

filename : NMY36-LED-66-850.LDT  
 meas. number : 3158  
 luminaire number : NMY36/LED/66/850  
 date / operator : 26-07-2013

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	LED PANEL	3400 lm	36.3 W

**dimensions**

luminaire	length	width	height	luminous area	length	width	height
	: 595 mm	: 595 mm	: 7 mm		: 545 mm	: 545 mm	: 0 mm

**coordinate system**

no of planes	: 24	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 345.0 °	last gamma-angle	: 180.0 °
symmetrics	: quad-symmetric		

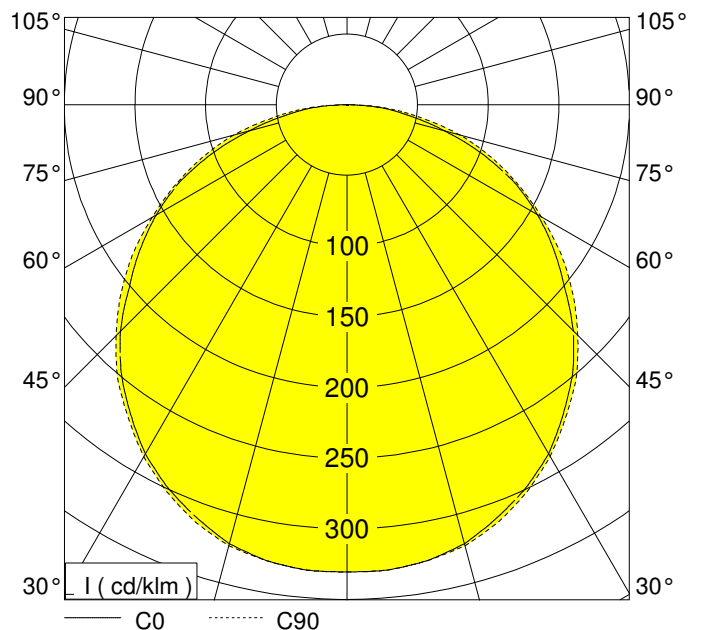
**performance**

light output ratio	: 100.0 %
DFF	: 100.0 %
UFF	: 0.0 %

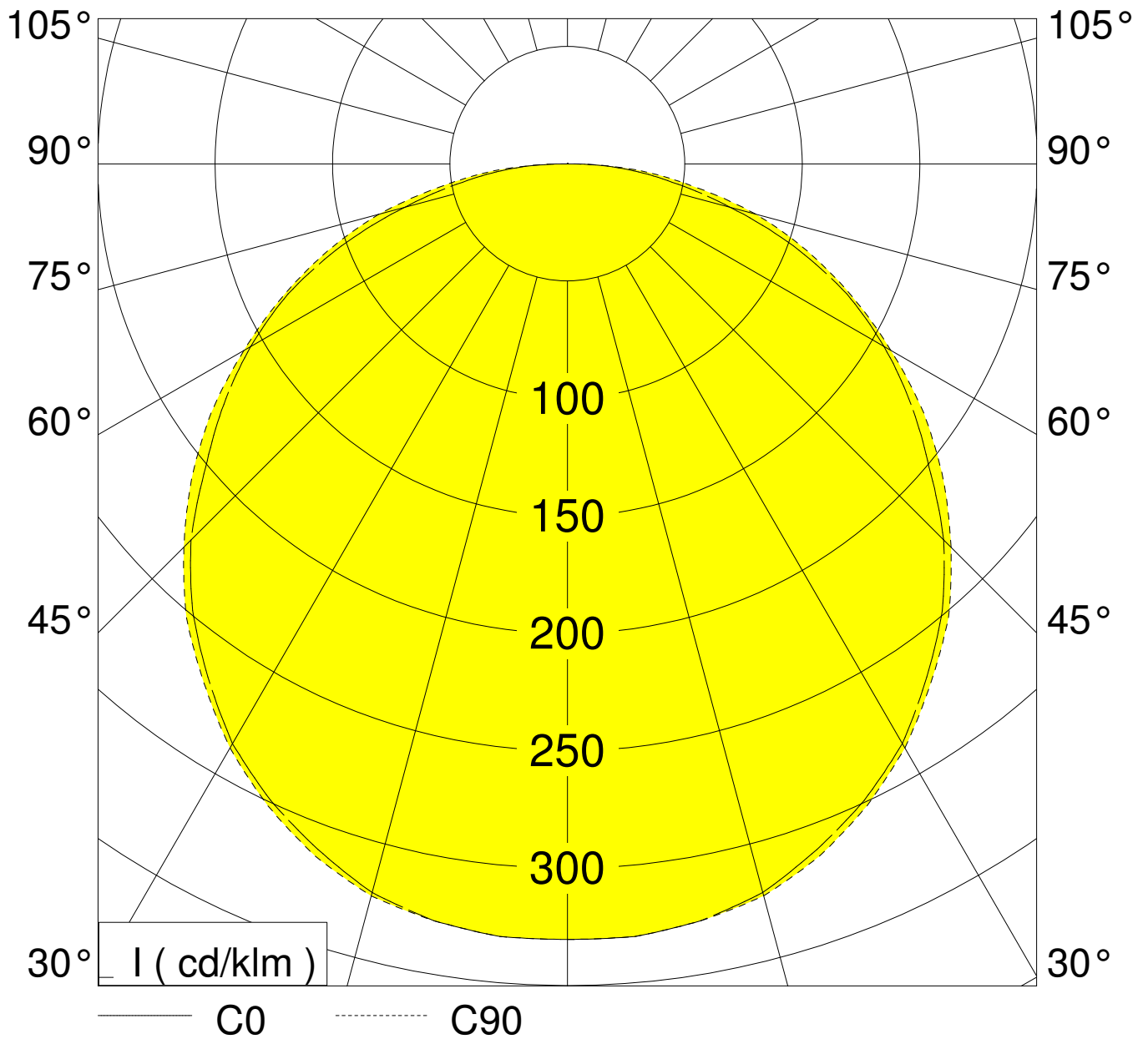
**classification**

LiTG / DIN	: A40
UTE	: 1.00E
CIE	: 45 76 94 100 100
BZ	: 4 5 5 5 5 5 5 5
Ambient Temperature	: 25 degC
Input Voltage	: 240 V
Circuit Watts	: 36.3 W
Amps (running)	: 0.153 A
V.A.	: 36.67 VA
Power Factor	: 0.99
CCT	: 4830K(measured): 5000K(nominal)

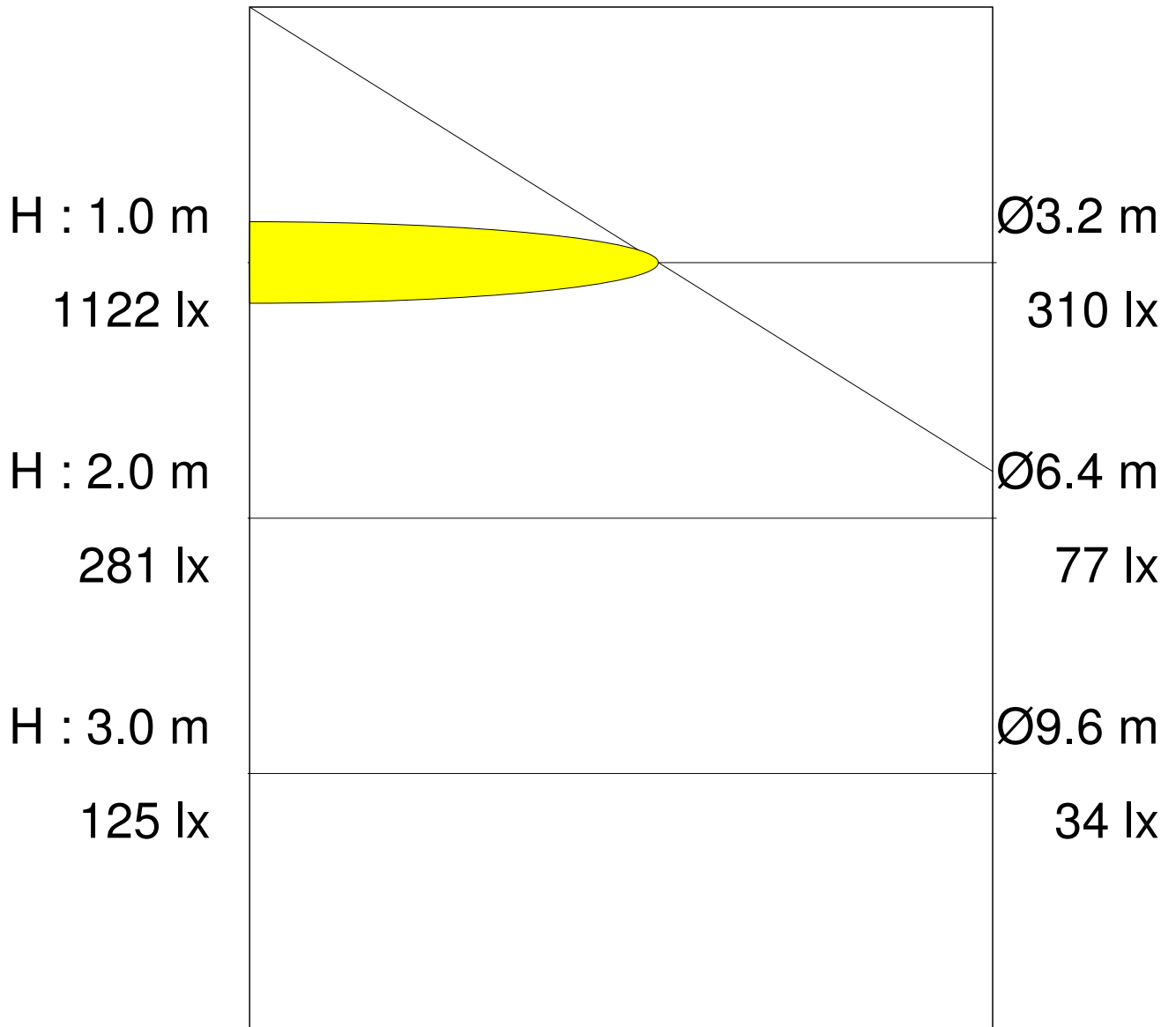
Driver: Tridonic LCI 35w 700mA TEC SR 87 500 197



Measurements made are in absolute units  
 The luminaire is treated as if it was a lamp as it is not possible to measure each LED separately - hence an LOR of 100%  
 The Light output ratio in real terms would be less than 100%. If it was possible to compare real LED lumens with the total output from the luminaire we could obtain an actual LOR  
 This also means that the total lumens emitted from the LED's would be greater than the 3400 lumens measured.  
 In reality the LED lumens would approximate to this value divided by the actual Light Output



Half peak divergence : 116.0°



	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0	C 105.0
0.0°	330.10	330.10	330.10	330.10	330.10	330.10	330.10	330.10
5.0°	330.10	330.10	330.10	330.10	330.10	330.10	330.10	330.10
10.0°	327.10	327.10	327.10	327.10	327.10	327.10	327.10	327.10
15.0°	321.10	321.10	321.10	321.10	321.10	321.80	322.60	321.80
20.0°	310.50	310.50	310.50	311.30	312.10	312.80	313.60	312.80
25.0°	298.90	297.90	296.80	298.50	300.30	300.90	301.50	300.90
30.0°	284.90	283.70	282.60	283.80	285.00	286.10	287.10	286.10
35.0°	266.60	265.10	263.60	265.40	267.20	268.40	269.60	268.40
40.0°	248.10	247.10	246.10	247.10	248.10	250.10	252.20	250.10
45.0°	226.40	226.10	225.80	227.20	228.60	229.70	230.80	229.70
50.0°	200.80	201.80	202.90	204.20	205.60	207.10	208.70	207.10
55.0°	178.50	177.40	176.40	177.70	179.10	182.10	185.10	182.10
60.0°	155.60	154.50	153.50	154.80	156.00	157.50	158.90	157.50
65.0°	131.20	130.90	130.60	131.60	132.50	133.10	133.70	133.10
70.0°	102.30	102.60	102.80	102.90	103.10	105.90	108.60	105.90
75.0°	71.80	72.40	73.00	74.30	75.70	79.40	83.00	79.40
80.0°	45.30	47.10	48.80	51.40	53.80	53.60	53.40	53.60
85.0°	24.20	23.20	22.10	25.50	28.90	29.00	29.20	29.00
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 120.0	C 135.0	C 150.0	C 165.0	C 180.0	C 195.0	C 210.0	C 225.0
0.0°	330.10	330.10	330.10	330.10	330.10	330.10	330.10	330.10
5.0°	330.10	330.10	330.10	330.10	330.10	330.10	330.10	330.10
10.0°	327.10	327.10	327.10	327.10	327.10	327.10	327.10	327.10
15.0°	321.10	321.10	321.10	321.10	321.10	321.10	321.10	321.10
20.0°	312.10	311.30	310.50	310.50	310.50	310.50	310.50	311.30
25.0°	300.30	298.50	296.80	297.90	298.90	297.90	296.80	298.50
30.0°	285.00	283.80	282.60	283.70	284.90	283.70	282.60	283.80
35.0°	267.20	265.40	263.60	265.10	266.60	265.10	263.60	265.40
40.0°	248.10	247.10	246.10	247.10	248.10	247.10	246.10	247.10
45.0°	228.60	227.20	225.80	226.10	226.40	226.10	225.80	227.20
50.0°	205.60	204.20	202.90	201.80	200.80	201.80	202.90	204.20
55.0°	179.10	177.70	176.40	177.40	178.50	177.40	176.40	177.70
60.0°	156.00	154.80	153.50	154.50	155.60	154.50	153.50	154.80
65.0°	132.50	131.60	130.60	130.90	131.20	130.90	130.60	131.60
70.0°	103.10	102.90	102.80	102.60	102.30	102.60	102.80	102.90
75.0°	75.70	74.30	73.00	72.40	71.80	72.40	73.00	74.30
80.0°	53.80	51.40	48.80	47.10	45.30	47.10	48.80	51.40
85.0°	28.90	25.50	22.10	23.20	24.20	23.20	22.10	25.50
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 240.0	C 255.0	C 270.0	C 285.0	C 300.0	C 315.0	C 330.0	C 345.0
0.0°	330.10	330.10	330.10	330.10	330.10	330.10	330.10	330.10
5.0°	330.10	330.10	330.10	330.10	330.10	330.10	330.10	330.10
10.0°	327.10	327.10	327.10	327.10	327.10	327.10	327.10	327.10
15.0°	321.10	321.80	322.60	321.80	321.10	321.10	321.10	321.10
20.0°	312.10	312.80	313.60	312.80	312.10	311.30	310.50	310.50
25.0°	300.30	300.90	301.50	300.90	300.30	298.50	296.80	297.90
30.0°	285.00	286.10	287.10	286.10	285.00	283.80	282.60	283.70
35.0°	267.20	268.40	269.60	268.40	267.20	265.40	263.60	265.10
40.0°	248.10	250.10	252.20	250.10	248.10	247.10	246.10	247.10
45.0°	228.60	229.70	230.80	229.70	228.60	227.20	225.80	226.10
50.0°	205.60	207.10	208.70	207.10	205.60	204.20	202.90	201.80
55.0°	179.10	182.10	185.10	182.10	179.10	177.70	176.40	177.40
60.0°	156.00	157.50	158.90	157.50	156.00	154.80	153.50	154.50
65.0°	132.50	133.10	133.70	133.10	132.50	131.60	130.60	130.90
70.0°	103.10	105.90	108.60	105.90	103.10	102.90	102.80	102.60
75.0°	75.70	79.40	83.00	79.40	75.70	74.30	73.00	72.40
80.0°	53.80	53.60	53.40	53.60	53.80	51.40	48.80	47.10
85.0°	28.90	29.00	29.20	29.00	28.90	25.50	22.10	23.20
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

<b>glare rating according to UGR</b>											
ρ-ceiling	70	70	50	50	30	70	70	50	50	30	
ρ-walls	50	30	50	30	30	50	30	50	30	30	
ρ-workplane	20	20	20	20	20	20	20	20	20	20	
room dimensions X      Y		viewed crosswise					viewed endwise				
2H	2H	17.3	18.9	17.6	19.1	19.3	17.4	19.0	17.7	19.2	19.4
	3H	18.5	19.6	18.7	19.8	20.0	18.6	19.8	18.9	20.0	20.2
	4H	19.2	20.3	19.5	20.6	20.8	19.5	20.6	19.8	20.8	21.0
	6H	19.8	20.8	20.1	21.1	21.3	20.2	21.2	20.5	21.5	21.7
	8H	20.0	21.1	20.3	21.3	21.6	20.5	21.6	20.8	21.8	22.0
	12H	20.2	21.3	20.6	21.6	21.8	20.8	21.8	21.1	22.1	22.3
4H	2H	17.5	18.6	17.8	18.8	19.0	17.6	18.7	17.9	18.9	19.1
	3H	19.6	20.6	19.9	20.9	21.1	19.7	20.8	20.0	21.0	21.3
	4H	20.5	21.6	20.9	21.8	22.1	20.8	21.8	21.1	22.1	22.4
	6H	21.0	21.9	21.4	22.2	22.5	21.4	22.2	21.7	22.5	22.9
	8H	21.3	22.1	21.7	22.5	22.8	21.8	22.6	22.1	22.9	23.2
	12H	21.7	22.5	22.1	22.9	23.3	22.2	23.0	22.7	23.4	23.8
8H	4H	20.7	21.5	21.1	21.9	22.2	21.0	21.8	21.3	22.1	22.4
	6H	21.9	22.6	22.3	23.0	23.5	22.2	23.0	22.7	23.4	23.8
	8H	22.4	23.1	22.8	23.5	24.0	22.8	23.5	23.3	24.0	24.4
	12H	22.6	23.2	23.1	23.6	24.1	23.1	23.7	23.6	24.2	24.7
12H	4H	21.0	21.7	21.4	22.1	22.5	21.2	22.0	21.6	22.3	22.7
	6H	22.1	22.8	22.6	23.3	23.7	22.4	23.2	22.9	23.6	24.1
	8H	22.4	23.0	22.9	23.5	24.0	22.9	23.5	23.4	23.9	24.4
variation of observer position											
S =	1.0H	+0.1/		-0.1		+0.1/		-0.1			
	1.5H	+0.2/		-0.3		+0.2/		-0.2			
	2.0H	+0.3/		-0.4		+0.3/		-0.4			
standard-table	BK07					BK07					
correction for luminaire	5.3					5.6					
correct glare indices for a total flux of 3400lm											

class		glare rating for service value of illuminance (lx)									
A	A	1000	750	500	--	≤ 300					
1	B	2000	1500	1000	750	500	≤ 300				
2	D					2000	1000	500	≤ 300		
3	E						2000	1000	500	≤ 300	

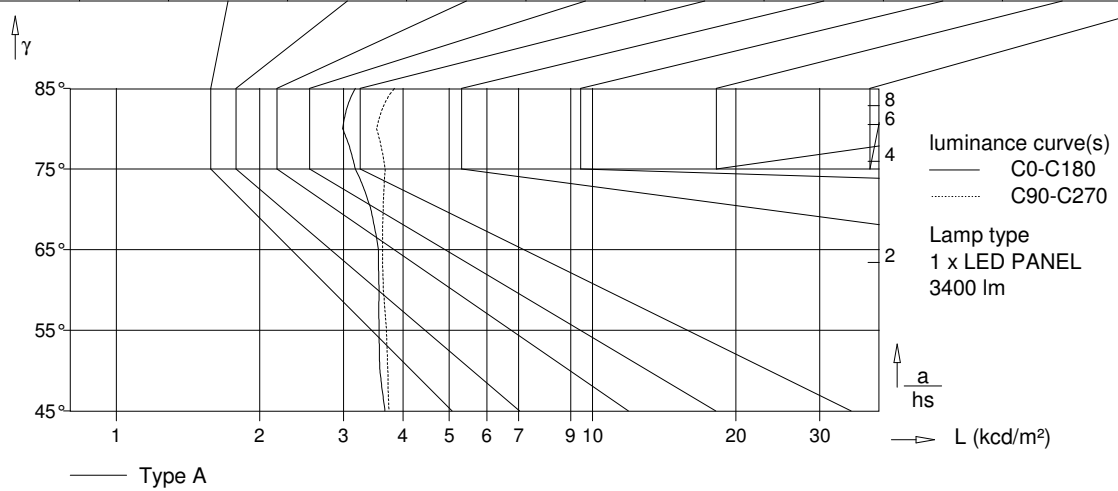
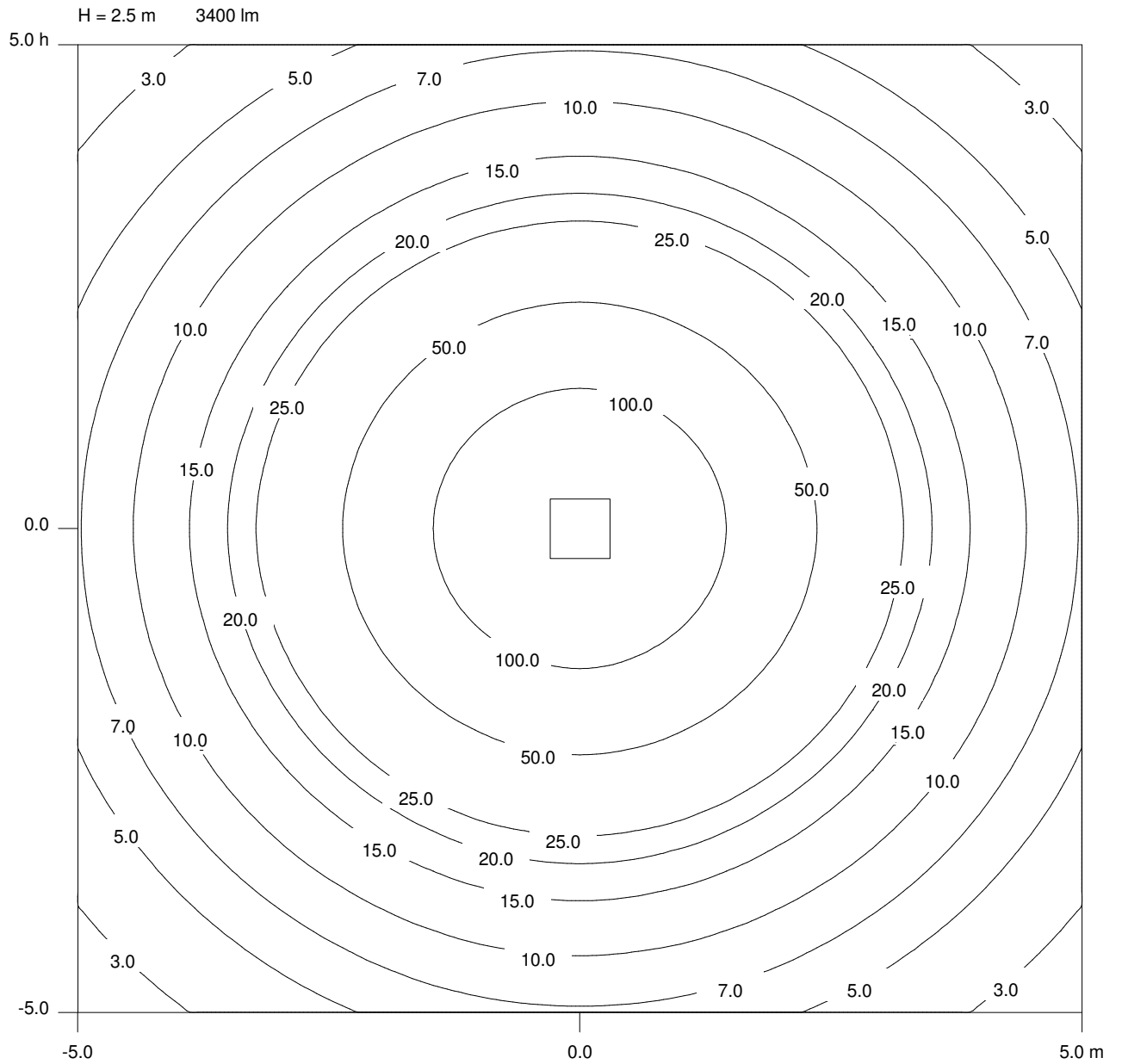


Tabelle der berechneten Leuchtdichten

gamma	C 0	C 90	C 180	C 270
45°	3665.0	3736.3	3665.0	3736.3
50°	3575.9	3716.6	3575.9	3716.6
55°	3562.3	3694.0	3562.3	3694.0
60°	3562.3	3637.8	3562.3	3637.8
65°	3553.6	3621.3	3553.6	3621.3
70°	3423.8	3634.7	3423.8	3634.7
75°	3175.5	3670.9	3175.5	3670.9
80°	2986.2	3520.1	2986.2	3520.1
85°	3178.4	3835.1	3178.4	3835.1

alle Werte in cd/m²





filename : NMY36-LED-123-850.LDT  
 meas. number : 3159  
 luminaire number : NMY36/LED/123/850  
 date / operator : 29-07-2013

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	LED PANEL	3245 lm	36.9 W

**dimensions**

luminaire	luminous area
length : 1195 mm	length : 1145 mm
width : 295 mm	width : 245 mm
height : 7 mm	height : 0 mm

**coordinate system**

no of planes : 24	samples / plane : 37
first c-plane : 0.0 °	first gamma-angle : 0.0 °
step angle : 15.0 °	step angle : 5.0 °
last c-plane : 345.0 °	last gamma-angle : 180.0 °
symmetrics : bi-symmetric	

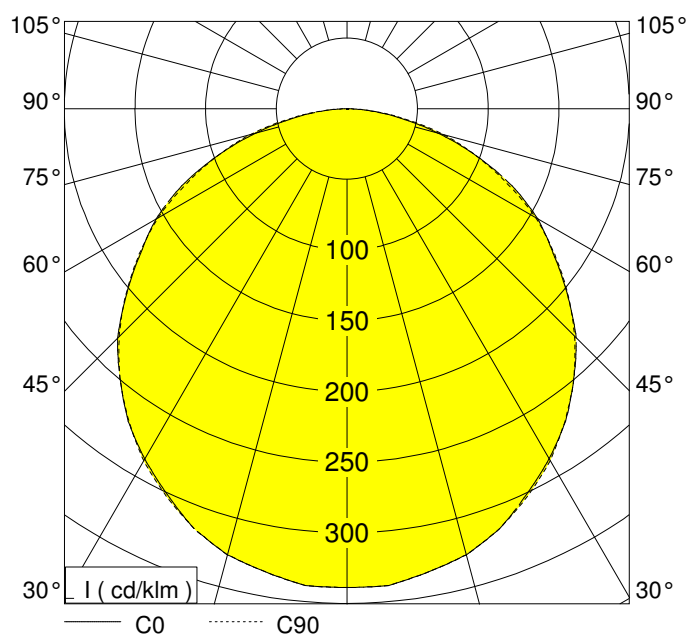
**performance**

light output ratio : 100.0 %  
 DFF : 100.0 %  
 UFF : 0.0 %

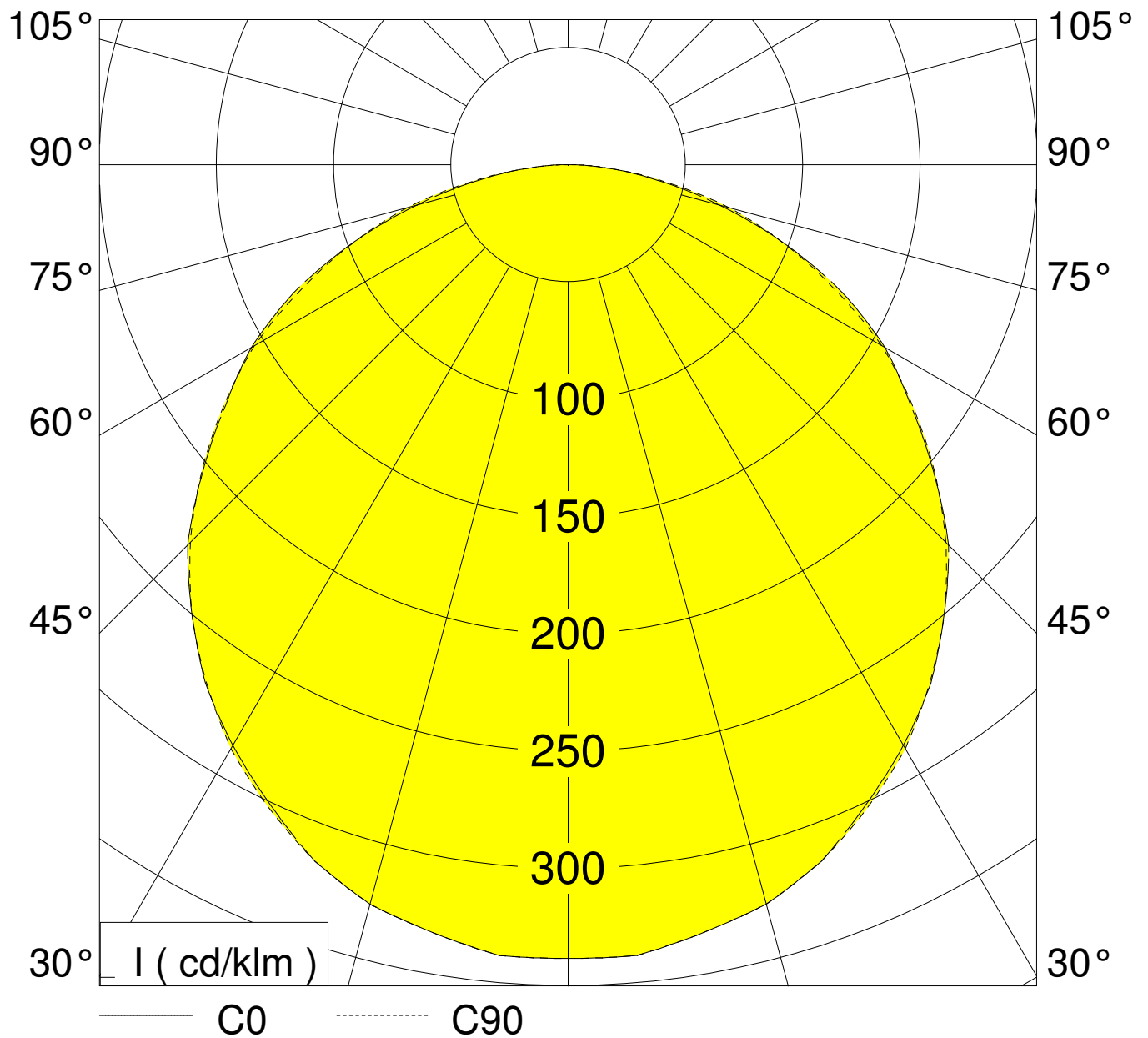
**classification**

LiTG / DIN : A40  
 UTE : 1.00E  
 CIE : 46 77 95 100 100  
 BZ : 4 5 5 5 5 5 5 5  
 Ambient Temperature : 25 degC  
 Input Voltage : 240 V  
 Circuit Watts : 36.9 W  
 Amps (running) : 0.155 A  
 V.A. : 37.27 VA  
 Power Factor : 0.99  
 CCT : 5008K(measured); 5000K(nominal)

Driver: Tridonic LCI 35w 700mA TEC SR - 87 500 197



Measurements made are in absolute units  
 The luminaire is treated as if it was a lamp as it is not possible to measure each LED separately - hence an LOR of 100%  
 The Light output ratio in real terms would be less than 100%. If it was possible to compare real LED lumens with the total output from the luminaire we could obtain an actual LOR  
 This also means that the total lumens emitted from the LED's would be greater than the 3245 lumens measured.  
 In reality the LED lumens would approximate to this value divided by the actual Light Output



	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0	C 105.0
0.0°	338.20	338.20	338.20	338.20	338.20	338.20	338.20	338.20
5.0°	338.20	338.20	338.20	338.20	338.20	338.20	338.20	338.20
10.0°	332.20	332.90	333.70	333.70	333.70	332.90	332.20	332.90
15.0°	326.20	326.90	327.70	327.70	327.70	326.90	326.20	326.90
20.0°	315.70	317.20	318.70	317.90	317.20	316.40	315.70	316.40
25.0°	300.60	302.90	305.10	306.60	308.10	305.10	302.10	305.10
30.0°	285.70	287.50	289.20	289.70	290.30	288.80	287.30	288.80
35.0°	269.50	270.80	272.10	272.70	273.30	271.10	268.90	271.10
40.0°	249.40	251.20	253.00	252.90	252.80	251.20	249.50	251.20
45.0°	229.30	230.70	232.10	232.30	232.60	230.10	227.60	230.10
50.0°	203.10	205.20	207.30	207.50	207.80	205.80	203.90	205.80
55.0°	177.90	180.80	183.70	184.20	184.60	181.90	179.20	181.90
60.0°	155.90	157.70	159.40	160.20	161.00	157.70	154.30	157.70
65.0°	128.90	129.40	129.90	131.50	133.10	129.00	125.00	129.00
70.0°	97.70	99.10	100.50	100.90	101.30	99.30	97.40	99.30
75.0°	66.60	68.60	70.60	72.20	73.80	72.50	71.20	72.50
80.0°	38.90	42.50	46.10	46.00	45.80	43.70	41.50	43.70
85.0°	16.10	17.10	18.00	18.60	19.20	18.10	17.00	18.10
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 120.0	C 135.0	C 150.0	C 165.0	C 180.0	C 195.0	C 210.0	C 225.0
0.0°	338.20	338.20	338.20	338.20	338.20	338.20	338.20	338.20
5.0°	338.20	338.20	338.20	338.20	338.20	338.20	338.20	338.20
10.0°	333.70	333.70	333.70	332.90	332.20	332.90	333.70	333.70
15.0°	327.70	327.70	327.70	326.90	326.20	326.90	327.70	327.70
20.0°	317.20	317.90	318.70	317.20	315.70	317.20	318.70	317.90
25.0°	308.10	306.60	305.10	302.90	300.60	302.90	305.10	306.60
30.0°	290.30	289.70	289.20	287.50	285.70	287.50	289.20	289.70
35.0°	273.30	272.70	272.10	270.80	269.50	270.80	272.10	272.70
40.0°	252.80	252.90	253.00	251.20	249.40	251.20	253.00	252.90
45.0°	232.60	232.30	232.10	230.70	229.30	230.70	232.10	232.30
50.0°	207.80	207.50	207.30	205.20	203.10	205.20	207.30	207.50
55.0°	184.60	184.20	183.70	180.80	177.90	180.80	183.70	184.20
60.0°	161.00	160.20	159.40	157.70	155.90	157.70	159.40	160.20
65.0°	133.10	131.50	129.90	129.40	128.90	129.40	129.90	131.50
70.0°	101.30	100.90	100.50	99.10	97.70	99.10	100.50	100.90
75.0°	73.80	72.20	70.60	68.60	66.60	68.60	70.60	72.20
80.0°	45.80	46.00	46.10	42.50	38.90	42.50	46.10	46.00
85.0°	19.20	18.60	18.00	17.10	16.10	17.10	18.00	18.60
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 240.0	C 255.0	C 270.0	C 285.0	C 300.0	C 315.0	C 330.0	C 345.0
0.0°	338.20	338.20	338.20	338.20	338.20	338.20	338.20	338.20
5.0°	338.20	338.20	338.20	338.20	338.20	338.20	338.20	338.20
10.0°	333.70	332.90	332.20	332.90	333.70	333.70	333.70	332.90
15.0°	327.70	326.90	326.20	326.90	327.70	327.70	327.70	326.90
20.0°	317.20	316.40	315.70	316.40	317.20	317.90	318.70	317.20
25.0°	308.10	305.10	302.10	305.10	308.10	306.60	305.10	302.90
30.0°	290.30	288.80	287.30	288.80	290.30	289.70	289.20	287.50
35.0°	273.30	271.10	268.90	271.10	273.30	272.70	272.10	270.80
40.0°	252.80	251.20	249.50	251.20	252.80	252.90	253.00	251.20
45.0°	232.60	230.10	227.60	230.10	232.60	232.30	232.10	230.70
50.0°	207.80	205.80	203.90	205.80	207.80	207.50	207.30	205.20
55.0°	184.60	181.90	179.20	181.90	184.60	184.20	183.70	180.80
60.0°	161.00	157.70	154.30	157.70	161.00	160.20	159.40	157.70
65.0°	133.10	129.00	125.00	129.00	133.10	131.50	129.90	129.40
70.0°	101.30	99.30	97.40	99.30	101.30	100.90	100.50	99.10
75.0°	73.80	72.50	71.20	72.50	73.80	72.20	70.60	68.60
80.0°	45.80	43.70	41.50	43.70	45.80	46.00	46.10	42.50
85.0°	19.20	18.10	17.00	18.10	19.20	18.60	18.00	17.10
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

<b>glare rating according to UGR</b>												
ρ-ceiling	70	70	50	50	30	70	70	50	50	30		
ρ-walls	50	30	50	30	30	50	30	50	30	30		
ρ-workplane	20	20	20	20	20	20	20	20	20	20		
room dimensions X                  Y		viewed crosswise					viewed endwise					
2H	2H	17.5	19.0	17.7	19.2	19.4	17.5	19.0	17.7	19.2	19.4	
	3H	18.5	19.6	18.7	19.8	20.0	18.5	19.6	18.7	19.8	20.0	
	4H	19.1	20.3	19.4	20.5	20.7	19.2	20.3	19.5	20.5	20.7	
	6H	19.6	20.7	19.9	20.9	21.1	19.7	20.8	20.0	21.0	21.2	
	8H	19.8	20.9	20.1	21.1	21.3	19.9	21.0	20.2	21.2	21.5	
	12H	19.9	21.0	20.3	21.2	21.5	20.1	21.1	20.4	21.4	21.6	
4H	2H	17.6	18.8	17.9	19.0	19.2	17.7	18.8	17.9	19.0	19.2	
	3H	19.6	20.6	19.9	20.9	21.1	19.6	20.6	19.9	20.9	21.1	
	4H	20.5	21.5	20.8	21.8	22.0	20.5	21.6	20.9	21.8	22.1	
	6H	20.8	21.7	21.2	22.0	22.3	21.0	21.8	21.3	22.1	22.4	
	8H	21.1	21.9	21.5	22.2	22.5	21.2	22.0	21.6	22.3	22.7	
	12H	21.4	22.2	21.8	22.5	22.9	21.5	22.3	22.0	22.7	23.1	
8H	4H	20.7	21.4	21.0	21.8	22.1	20.7	21.5	21.1	21.8	22.2	
	6H	21.7	22.4	22.1	22.8	23.3	21.8	22.5	22.2	22.9	23.4	
	8H	22.1	22.8	22.6	23.2	23.7	22.2	22.9	22.7	23.4	23.8	
	12H	22.2	22.8	22.7	23.2	23.7	22.3	22.9	22.8	23.4	23.9	
12H	4H	20.9	21.6	21.3	22.0	22.4	20.9	21.7	21.4	22.1	22.5	
	6H	21.9	22.6	22.4	23.0	23.5	22.0	22.7	22.5	23.1	23.6	
	8H	22.1	22.7	22.6	23.2	23.7	22.3	22.8	22.7	23.3	23.8	
variation of observer position												
S =	1.0H	+0.1/			-0.1			+0.1/		-0.1		
	1.5H	+0.2/			-0.3			+0.2/		-0.3		
	2.0H	+0.3/			-0.5			+0.3/		-0.6		
standard-table	BK06					BK06						
correction for luminaire	4.7					4.7						
correct glare indices for a total flux of 3245lm												

class		glare rating for service value of illuminance (lx)									
A	A	1000	750	500	--	≤ 300					
1	B	2000	1500	1000	750	500	≤ 300				
2	D					2000	1000	500	≤ 300		
3	E						2000	1000	500	≤ 300	

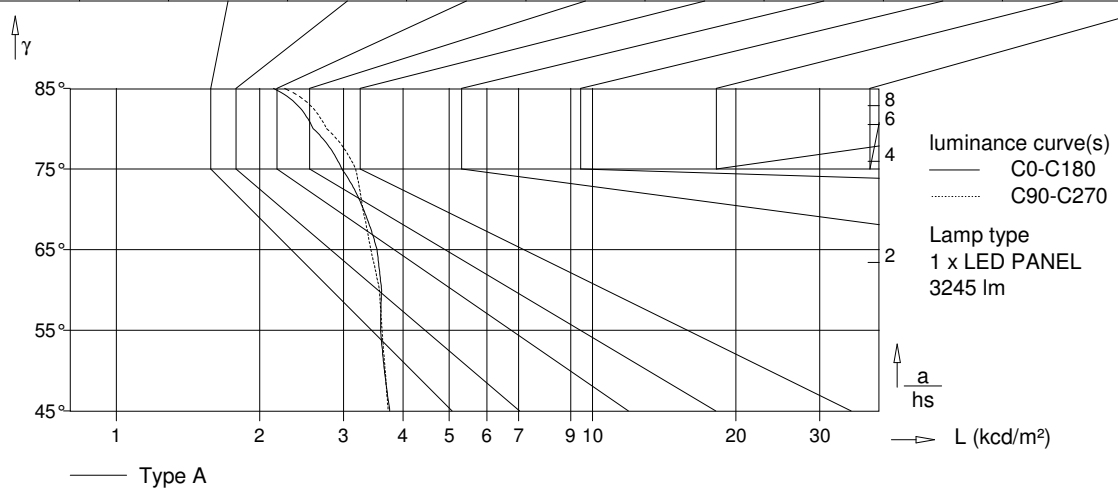
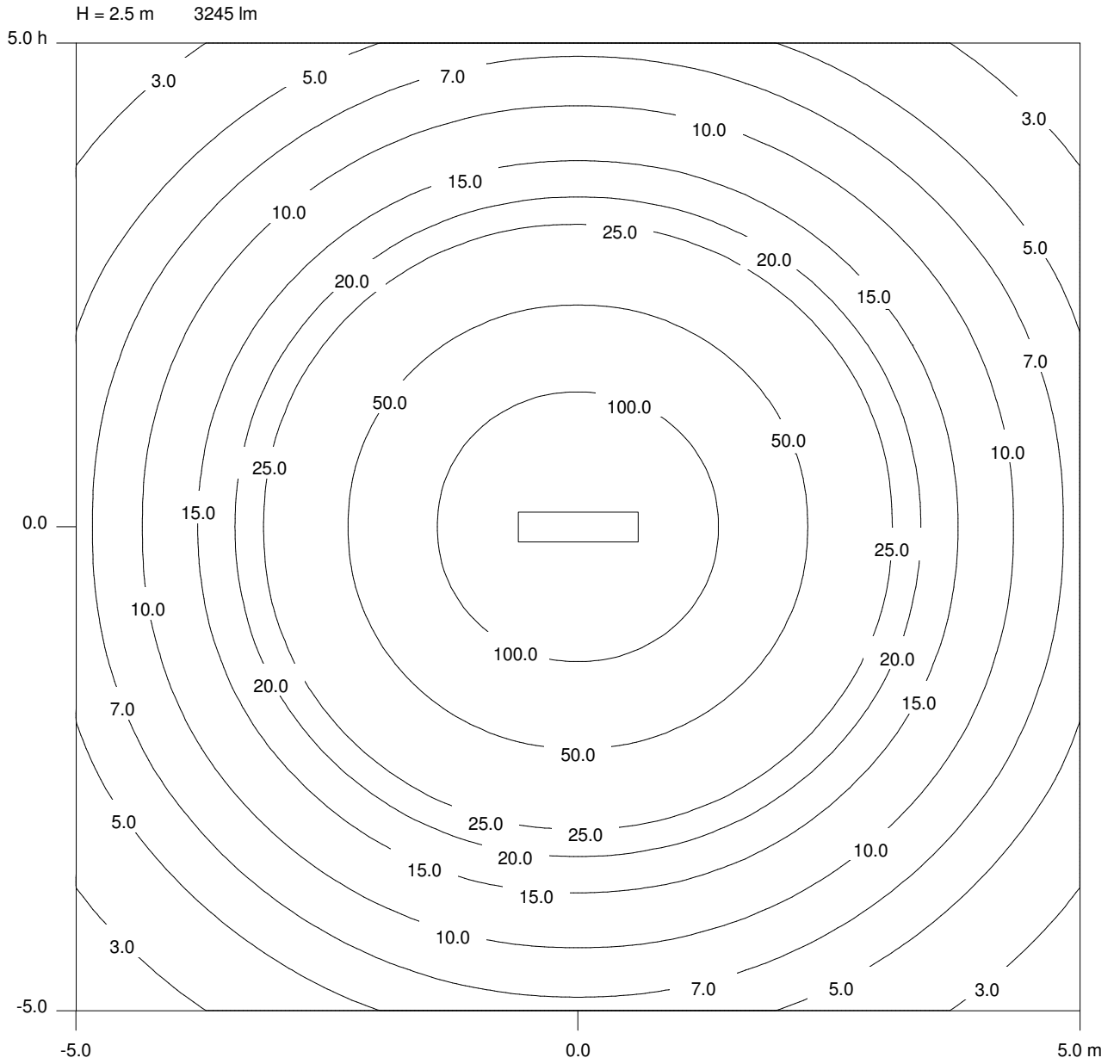


Tabelle der berechneten Leuchtdichten

gamma	C 0	C 90	C 180	C 270
45°	3751.1	3723.3	3751.1	3723.3
50°	3655.0	3669.4	3655.0	3669.4
55°	3587.8	3614.0	3587.8	3614.0
60°	3606.8	3569.8	3606.8	3569.8
65°	3528.2	3421.4	3528.2	3421.4
70°	3304.3	3294.2	3304.3	3294.2
75°	2976.6	3182.2	2976.6	3182.2
80°	2591.3	2764.5	2591.3	2764.5
85°	2136.8	2256.3	2136.8	2256.3

alle Werte in cd/m²





filename : NMY72-LED-126-850.LDT  
 meas. number : 3160  
 luminaire number : NMY72/LED/126/850  
 date / operator : 30-07-2013

**default lamp type(s)**

no of lamps	lamp type	luminaire lumens	input wattage
1	LED PANEL	7285 lm	73.4 W

**dimensions**

luminaire		luminous area	
length	: 1195 mm	length	: 1145 mm
width	: 595 mm	width	: 545 mm
height	: 7 mm	height	: 0 mm

**coordinate system**

no of planes	: 24	samples / plane	: 37
first c-plane	: 0.0 °	first gamma-angle	: 0.0 °
step angle	: 15.0 °	step angle	: 5.0 °
last c-plane	: 345.0 °	last gamma-angle	: 180.0 °
symmetrics	: bi-symmetric		

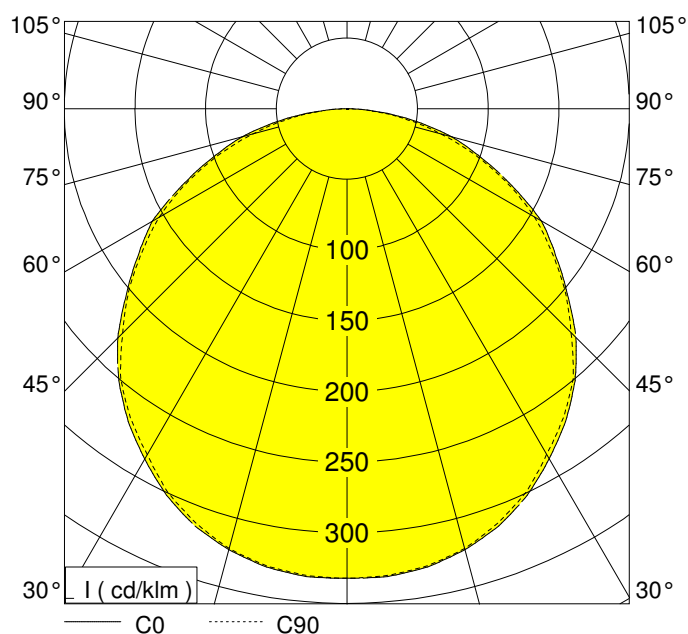
**performance**

light output ratio : 100.0 %  
 DFF : 100.0 %  
 UFF : 0.0 %

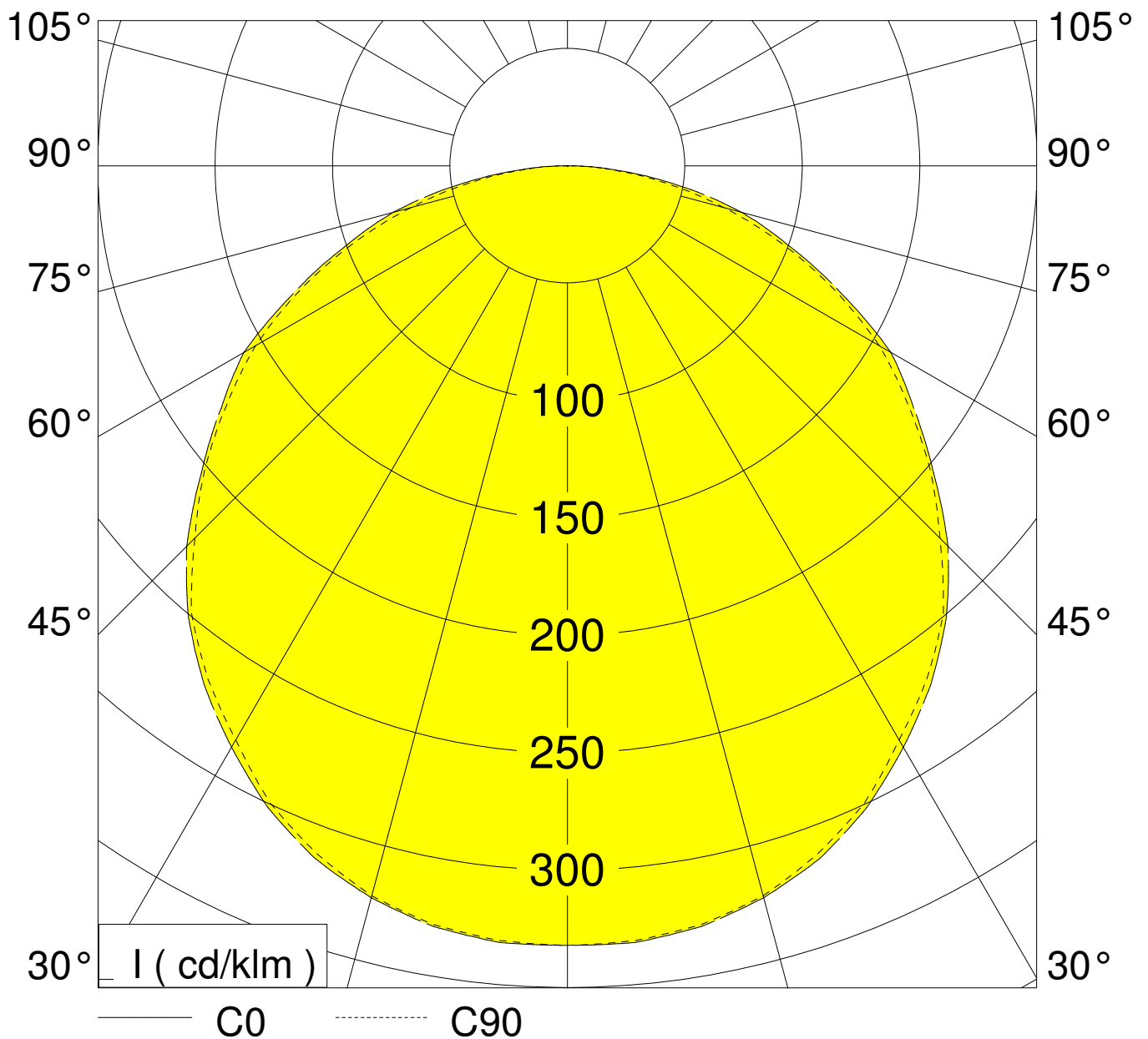
**classification**

LiTG / DIN : A40  
 UTE : 1.00E  
 CIE : 45 77 95 100 100  
 BZ : 4 5 5 5 5 5 5 5  
 Ambient Temperature : 25 degC  
 Input Voltage : 240 V  
 Circuit Watts : 73.4 W  
 Amps (running) : 0.309 A  
 V.A. : 74.14 VA  
 Power Factor : 0.99  
 CCT : 4847K(measured): 5000K(nominal)

Driver: 2 off Tridonic LCI 35w 700mA TEC SR 87 500 197



Measurements made are in absolute units  
 The luminaire is treated as if it was a lamp as it is not possible to measure each LED separately - hence an LOR of 100%  
 The Light output ratio in real terms would be less than 100%. If it was possible to compare real LED lumens with the total output from the luminaire we could obtain an actual LOR  
 This also means that the total lumens emitted from the LED's would be greater than the 7285 lumens measured.  
 In reality the LED lumens would approximate to this value divided by the actual Light Output



	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0	C 105.0
0.0°	331.80	331.80	331.80	331.80	331.80	331.80	331.80	331.80
5.0°	331.80	331.40	331.00	331.40	331.80	331.40	331.00	331.40
10.0°	328.70	328.30	327.90	328.70	329.50	328.70	327.90	328.70
15.0°	322.50	322.10	321.70	322.50	323.30	322.50	321.70	322.50
20.0°	313.80	313.50	313.10	313.90	314.60	313.10	311.60	313.10
25.0°	301.40	300.70	300.00	301.50	302.90	301.10	299.20	301.10
30.0°	285.80	285.60	285.30	286.70	288.20	285.20	282.20	285.20
35.0°	269.50	268.80	268.20	270.10	271.90	269.30	266.60	269.30
40.0°	250.80	249.80	248.80	251.40	253.90	251.40	248.80	251.40
45.0°	229.00	228.90	228.70	230.80	232.90	228.50	224.10	228.50
50.0°	203.30	203.90	204.60	207.10	209.50	205.50	201.50	205.50
55.0°	179.90	181.10	182.20	183.80	185.40	181.10	176.80	181.10
60.0°	158.90	156.90	155.00	158.50	162.00	157.60	153.20	157.60
65.0°	128.60	129.20	129.70	131.50	133.40	129.50	125.70	129.50
70.0°	100.90	101.00	101.20	103.40	105.70	101.50	97.30	101.50
75.0°	76.80	75.80	74.80	76.40	78.00	73.60	69.00	73.60
80.0°	47.80	46.20	44.50	46.40	48.20	45.30	42.40	45.30
85.0°	20.20	20.80	21.40	22.60	23.80	20.90	18.00	20.90
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 120.0	C 135.0	C 150.0	C 165.0	C 180.0	C 195.0	C 210.0	C 225.0
0.0°	331.80	331.80	331.80	331.80	331.80	331.80	331.80	331.80
5.0°	331.80	331.40	331.00	331.40	331.80	331.40	331.00	331.40
10.0°	329.50	328.70	327.90	328.30	328.70	328.30	327.90	328.70
15.0°	323.30	322.50	321.70	322.10	322.50	322.10	321.70	322.50
20.0°	314.60	313.90	313.10	313.50	313.80	313.50	313.10	313.90
25.0°	302.90	301.50	300.00	300.70	301.40	300.70	300.00	301.50
30.0°	288.20	286.70	285.30	285.60	285.80	285.60	285.30	286.70
35.0°	271.90	270.10	268.20	268.80	269.50	268.80	268.20	270.10
40.0°	253.90	251.40	248.80	249.80	250.80	249.80	248.80	251.40
45.0°	232.90	230.80	228.70	228.90	229.00	228.90	228.70	230.80
50.0°	209.50	207.10	204.60	203.90	203.30	203.90	204.60	207.10
55.0°	185.40	183.80	182.20	181.10	179.90	181.10	182.20	183.80
60.0°	162.00	158.50	155.00	156.90	158.90	156.90	155.00	158.50
65.0°	133.40	131.50	129.70	129.20	128.60	129.20	129.70	131.50
70.0°	105.70	103.40	101.20	101.00	100.90	101.00	101.20	103.40
75.0°	78.00	76.40	74.80	75.80	76.80	75.80	74.80	76.40
80.0°	48.20	46.40	44.50	46.20	47.80	46.20	44.50	46.40
85.0°	23.80	22.60	21.40	20.80	20.20	20.80	21.40	22.60
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

	C 240.0	C 255.0	C 270.0	C 285.0	C 300.0	C 315.0	C 330.0	C 345.0
0.0°	331.80	331.80	331.80	331.80	331.80	331.80	331.80	331.80
5.0°	331.80	331.40	331.00	331.40	331.80	331.40	331.00	331.40
10.0°	329.50	328.70	327.90	328.70	329.50	328.70	327.90	328.30
15.0°	323.30	322.50	321.70	322.50	323.30	322.50	321.70	322.10
20.0°	314.60	313.10	311.60	313.10	314.60	313.90	313.10	313.50
25.0°	302.90	301.10	299.20	301.10	302.90	301.50	300.00	300.70
30.0°	288.20	285.20	282.20	285.20	288.20	286.70	285.30	285.60
35.0°	271.90	269.30	266.60	269.30	271.90	270.10	268.20	268.80
40.0°	253.90	251.40	248.80	251.40	253.90	251.40	248.80	249.80
45.0°	232.90	228.50	224.10	228.50	232.90	230.80	228.70	228.90
50.0°	209.50	205.50	201.50	205.50	209.50	207.10	204.60	203.90
55.0°	185.40	181.10	176.80	181.10	185.40	183.80	182.20	181.10
60.0°	162.00	157.60	153.20	157.60	162.00	158.50	155.00	156.90
65.0°	133.40	129.50	125.70	129.50	133.40	131.50	129.70	129.20
70.0°	105.70	101.50	97.30	101.50	105.70	103.40	101.20	101.00
75.0°	78.00	73.60	69.00	73.60	78.00	76.40	74.80	75.80
80.0°	48.20	45.30	42.40	45.30	48.20	46.40	44.50	46.20
85.0°	23.80	20.90	18.00	20.90	23.80	22.60	21.40	20.80
90.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm							

<b>glare rating according to UGR</b>											
ρ-ceiling	70	70	50	50	30	70	70	50	50	30	
ρ-walls	50	30	50	30	30	50	30	50	30	30	
ρ-workplane	20	20	20	20	20	20	20	20	20	20	
room dimensions X                  Y		viewed crosswise					viewed endwise				
2H	2H	17.5	19.0	17.7	19.2	19.4	17.5	19.0	17.8	19.2	19.4
	3H	18.5	19.7	18.8	19.9	20.1	18.5	19.7	18.8	19.9	20.1
	4H	19.3	20.5	19.6	20.7	20.9	19.3	20.4	19.5	20.6	20.8
	6H	19.9	21.0	20.2	21.2	21.5	19.8	20.8	20.1	21.1	21.3
	8H	20.2	21.2	20.5	21.5	21.7	20.0	21.1	20.3	21.3	21.5
	12H	20.4	21.4	20.7	21.7	21.9	20.2	21.2	20.5	21.5	21.7
4H	2H	17.6	18.8	17.9	19.0	19.2	17.7	18.8	18.0	19.0	19.2
	3H	19.6	20.7	20.0	21.0	21.2	19.7	20.7	20.0	21.0	21.2
	4H	20.6	21.7	21.0	22.0	22.2	20.6	21.7	21.0	21.9	22.2
	6H	21.2	22.0	21.5	22.3	22.6	21.1	21.9	21.4	22.2	22.5
	8H	21.4	22.2	21.8	22.6	22.9	21.3	22.1	21.7	22.5	22.8
	12H	21.8	22.6	22.2	23.0	23.4	21.7	22.5	22.1	22.8	23.2
8H	4H	20.9	21.7	21.2	22.0	22.3	20.8	21.6	21.2	22.0	22.3
	6H	22.0	22.7	22.4	23.1	23.6	21.9	22.7	22.4	23.1	23.5
	8H	22.4	23.2	22.9	23.6	24.1	22.4	23.1	22.9	23.5	24.0
	12H	22.6	23.2	23.1	23.7	24.1	22.5	23.1	23.0	23.6	24.1
12H	4H	21.1	21.8	21.5	22.2	22.6	21.1	21.8	21.5	22.2	22.6
	6H	22.2	22.9	22.7	23.3	23.8	22.1	22.9	22.6	23.3	23.8
	8H	22.5	23.1	23.0	23.5	24.0	22.4	23.0	22.9	23.5	24.0
variation of observer position											
S =	1.0H	+0.1/		-0.1		+0.1/		-0.1			
	1.5H	+0.2/		-0.2		+0.2/		-0.3			
	2.0H	+0.3/		-0.5		+0.3/		-0.6			
standard-table	BK07					BK06					
correction for luminaire	5.3					4.8					
correct glare indices for a total flux of 7285lm											

class		glare rating for service value of illuminance (lx)									
A	A	1000	750	500	--	≤ 300					
1	B	2000	1500	1000	750	500	≤ 300				
2	D					2000	1000	500	≤ 300		
3	E						2000	1000	500	≤ 300	

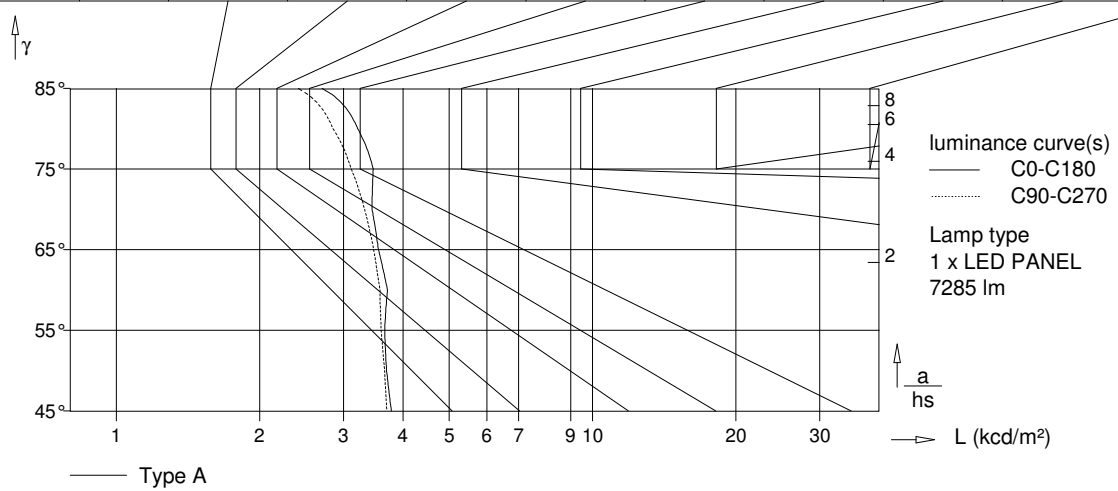


Tabelle der berechneten Leuchtdichten

gamma	C 0	C 90	C 180	C 270
45°	3780.8	3699.9	3780.8	3699.9
50°	3692.3	3659.6	3692.3	3659.6
55°	3661.6	3598.5	3661.6	3598.5
60°	3710.1	3577.0	3710.1	3577.0
65°	3552.4	3472.3	3552.4	3472.3
70°	3444.0	3321.2	3444.0	3321.2
75°	3464.1	3112.3	3464.1	3112.3
80°	3213.6	2850.5	3213.6	2850.5
85°	2705.7	2411.0	2705.7	2411.0

alle Werte in cd/m²



