



Luminaire Property

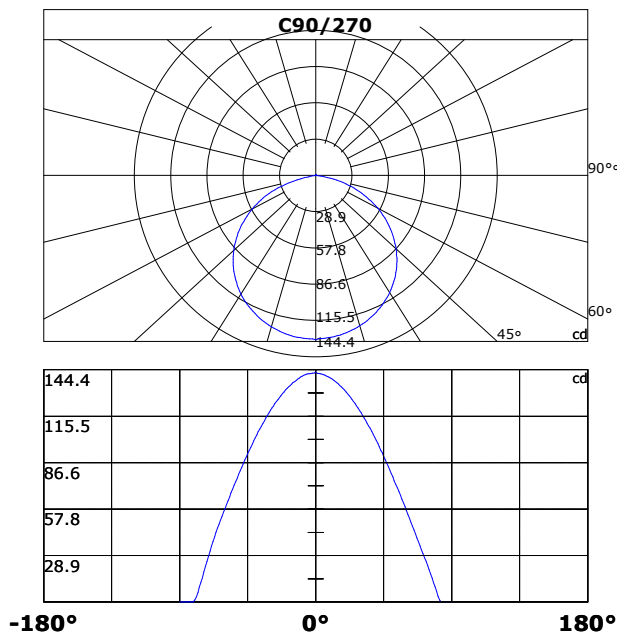
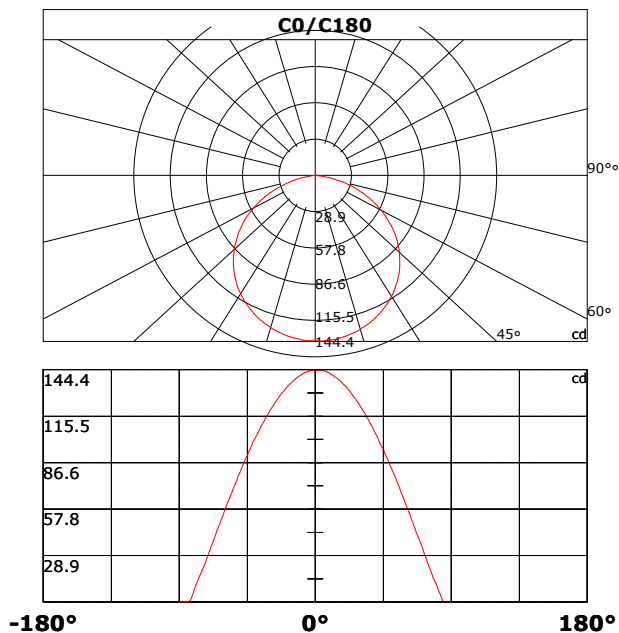
Luminaire Description: B1150CCT_BF
 Luminaire Categorie: DOWNLIGHT CCT 7W
 Lamp Categorie: LED
 Lamp Description: BLANCO FRIO 6000K
 Number of Lamp: 1
 Lamp Lumens(lm): NA
 Luminous Length(m): 0.085
 Luminous Width(m): 0.085
 Luminous Height(m): 0.004

Voltage: 230.7 V
 Current: 0.052 A
 Power: 7.05 W
 Power Factor: 0.587
 Test Lab: BLED
 Photometric Type: Type C
 Manufacture: BLED

Photometric Results

CIE Class: Direct
 Luminaire Lumens: 380.94 lm
 Efficiency: 54.034 lm/W
 Central Intensity: 143.011cd
 Max. Intensity: 144.368cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:1.0
 Beam Angle(50%Imax): L: -54.6 R:54.2
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): H=110.64V=109.2





Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	143.0	144.4	144.3	144.2	144.1	144.1	143.7	143.4	142.9	142.4
C45.0	143.0	141.5	141.5	141.5	141.5	141.4	141.2	140.9	140.7	140.3
C90.0	143.0	142.1	142.1	141.9	141.6	141.4	141.1	140.6	140.2	139.7
C135.0	143.0	143.3	143.0	142.7	142.3	142.1	141.6	141.2	140.5	140.1
C180.0	143.0	144.1	144.0	143.9	143.6	143.2	142.8	142.4	141.9	141.4
C225.0	143.0	141.2	141.1	140.8	140.6	140.2	139.8	139.3	138.8	138.2
C270.0	143.0	142.3	142.3	142.1	142.0	141.9	141.6	141.3	140.9	140.3
C315.0	143.0	143.4	143.5	143.4	143.3	143.3	143.1	142.9	142.6	142.3
C360.0	143.0	144.4	144.3	144.2	144.1	144.1	143.7	143.4	142.9	142.4
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	141.9	141.3	140.7	140.1	139.5	138.7	137.7	136.8	136.0	135.1
C45.0	139.9	139.5	139.0	138.5	137.8	137.2	136.5	135.7	134.9	134.1
C90.0	139.1	138.5	137.8	137.1	136.4	135.6	134.6	133.7	132.8	131.7
C135.0	139.5	138.8	138.0	137.2	136.3	135.4	134.4	133.5	132.5	131.4
C180.0	140.9	140.2	139.5	138.8	138.0	137.2	136.2	135.3	134.3	133.3
C225.0	137.6	137.0	136.2	135.4	134.7	133.8	132.9	131.9	130.9	129.9
C270.0	139.9	139.2	138.5	137.8	137.1	136.4	135.5	134.6	133.7	132.8
C315.0	141.9	141.5	141.0	140.2	139.9	139.1	138.4	137.7	136.8	136.1
C360.0	141.9	141.3	140.7	140.1	139.5	138.7	137.7	136.8	136.0	135.1
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	134.2	133.0	131.9	130.8	129.6	128.3	127.0	125.7	124.3	122.9
C45.0	133.2	132.3	131.3	130.2	129.3	128.0	126.9	125.7	124.4	123.1
C90.0	130.6	129.5	128.4	127.2	126.1	124.7	123.5	122.0	120.7	119.2
C135.0	130.2	129.1	127.8	126.6	125.3	123.9	122.5	121.0	119.6	118.1
C180.0	132.3	131.1	129.9	128.7	127.5	126.1	124.8	123.4	121.9	120.4
C225.0	128.7	127.7	126.5	125.2	123.9	122.5	121.1	119.9	118.4	116.8
C270.0	131.8	130.6	129.5	128.3	127.2	125.9	124.7	123.4	121.9	120.7
C315.0	135.1	134.1	133.1	132.1	131.1	129.8	128.7	127.4	126.1	124.8
C360.0	134.2	133.0	131.9	130.8	129.6	128.3	127.0	125.7	124.3	122.9
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	121.5	120.0	118.4	116.9	114.9	113.5	111.8	110.1	108.4	106.4
C45.0	121.7	120.4	118.9	117.5	115.9	114.4	112.8	111.3	109.5	107.6
C90.0	117.7	116.2	114.5	112.9	111.2	109.5	108.0	106.0	104.1	102.5
C135.0	116.5	114.8	113.2	111.5	109.6	108.0	106.1	104.4	102.5	100.5
C180.0	118.9	117.3	115.9	114.2	112.3	110.6	109.0	107.1	105.3	103.3
C225.0	115.3	113.7	112.1	110.6	108.7	107.0	105.1	103.4	101.4	99.5
C270.0	119.0	117.6	116.1	114.5	112.6	111.1	109.3	107.6	105.9	103.9
C315.0	123.4	122.0	120.5	119.0	117.4	115.9	114.3	112.6	110.8	109.0
C360.0	121.5	120.0	118.4	116.9	114.9	113.5	111.8	110.1	108.4	106.4



Light intensity data Unit[cd]

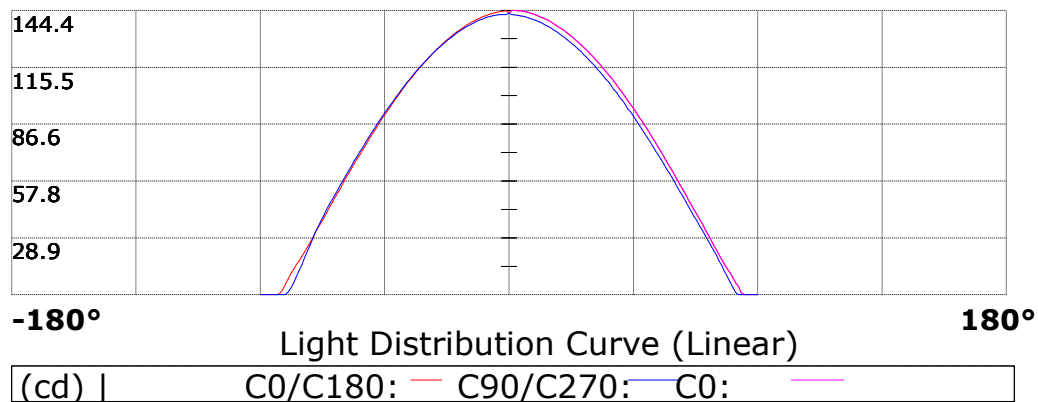
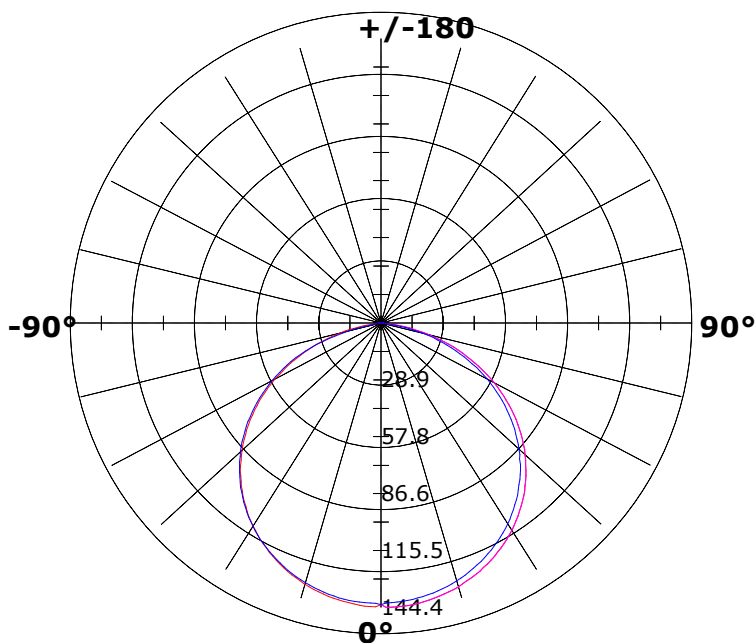
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	104.5	102.6	100.6	98.5	96.6	94.7	92.7	90.3	88.4	86.3
C45.0	106.1	104.2	102.4	100.5	98.6	96.9	94.7	92.9	90.5	88.7
C90.0	100.5	98.8	96.8	94.4	92.9	90.5	88.7	86.3	84.2	82.2
C135.0	98.5	96.6	94.7	92.6	90.3	88.5	86.1	84.2	81.7	79.6
C180.0	101.4	99.6	97.5	95.4	93.4	91.2	89.4	87.0	84.6	82.6
C225.0	97.7	95.8	93.9	91.6	89.6	87.5	85.4	82.9	80.5	78.0
C270.0	102.1	100.2	98.3	96.3	94.3	92.2	90.2	88.2	85.8	83.7
C315.0	107.3	105.6	103.7	101.8	99.9	97.7	95.7	93.3	90.9	88.7
C360.0	104.5	102.6	100.6	98.5	96.6	94.7	92.7	90.3	88.4	86.3
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	84.1	81.9	79.5	77.2	75.0	72.6	70.1	67.8	65.4	63.1
C45.0	86.5	84.5	82.1	79.9	77.9	75.6	73.3	71.0	68.6	66.6
C90.0	79.9	77.8	75.4	73.1	71.0	68.8	66.4	64.0	61.7	59.3
C135.0	77.5	75.2	72.7	70.4	68.3	65.8	63.6	61.0	58.5	56.3
C180.0	80.3	78.3	75.6	73.5	71.2	68.9	66.6	64.0	61.7	59.2
C225.0	75.4	72.8	69.7	67.2	65.2	63.2	61.0	58.4	55.8	53.0
C270.0	81.6	79.5	77.0	74.8	72.7	70.2	68.0	65.4	63.0	60.6
C315.0	86.2	83.5	81.0	78.9	77.0	74.9	72.4	69.9	67.2	64.9
C360.0	84.1	81.9	79.5	77.2	75.0	72.6	70.1	67.8	65.4	63.1
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	60.7	58.1	55.7	53.3	50.8	48.1	45.7	43.1	40.8	38.2
C45.0	64.2	61.6	59.2	56.9	54.7	51.9	49.6	47.1	44.8	42.2
C90.0	57.1	54.4	52.0	49.8	47.2	44.8	42.2	39.8	37.6	34.9
C135.0	53.8	51.5	48.8	46.4	44.1	41.6	39.1	36.4	34.2	31.4
C180.0	57.0	53.9	51.7	49.3	46.9	44.5	41.6	39.2	36.7	34.2
C225.0	50.2	47.8	45.4	43.1	40.3	37.9	35.3	32.8	30.3	27.6
C270.0	58.2	55.9	53.2	50.8	48.5	46.1	43.3	40.5	37.7	34.7
C315.0	62.5	60.1	57.5	55.1	52.9	50.1	47.7	45.4	42.9	40.3
C360.0	60.7	58.1	55.7	53.3	50.8	48.1	45.7	43.1	40.8	38.2
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	35.9	33.1	30.6	28.2	25.4	22.8	20.3	17.8	15.4	13.3
C45.0	39.9	37.4	34.8	32.4	29.9	27.4	24.9	22.4	20.3	17.8
C90.0	32.6	30.1	27.5	25.3	22.6	20.2	17.3	14.9	12.0	9.4
C135.0	29.2	26.7	24.1	21.8	19.5	17.2	15.1	12.8	10.7	8.5
C180.0	32.0	29.0	26.4	24.1	21.7	19.6	17.2	15.2	12.9	10.6
C225.0	25.3	22.8	20.3	17.4	14.9	12.0	9.2	6.5	3.9	1.6
C270.0	31.8	28.6	25.1	21.9	18.7	15.2	12.3	9.1	5.9	3.3
C315.0	37.9	35.4	32.8	30.4	27.8	24.9	22.1	19.1	16.2	12.9
C360.0	35.9	33.1	30.6	28.2	25.4	22.8	20.3	17.8	15.4	13.3

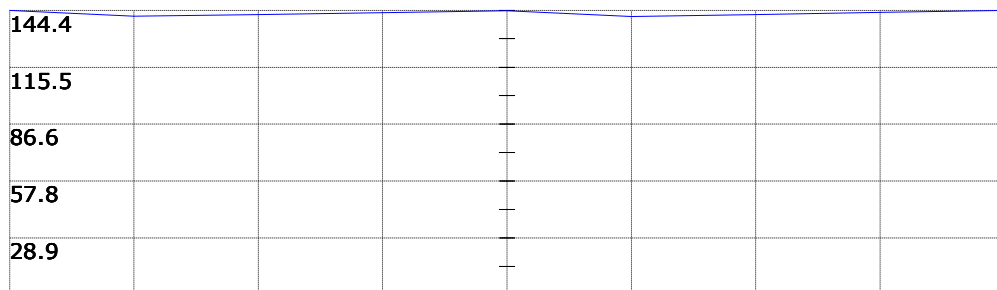
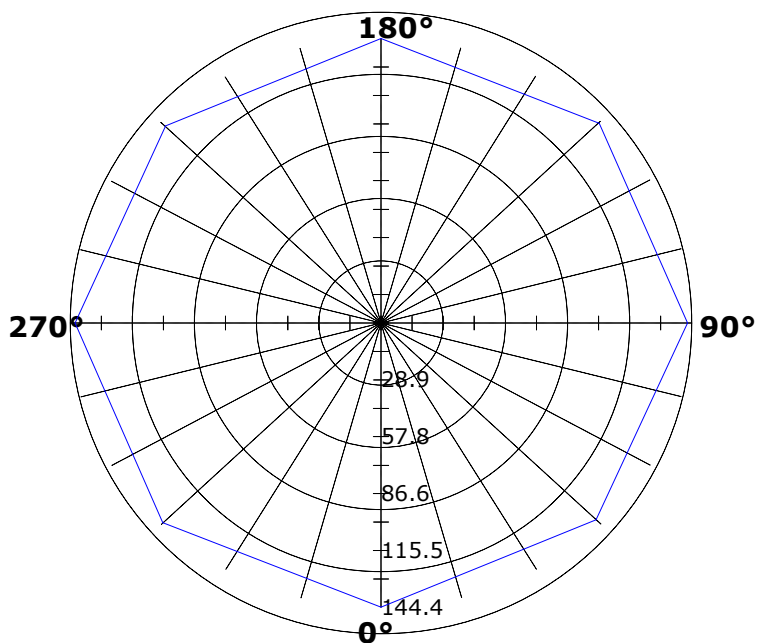


Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	11.1	8.5	6.2	4.3	1.2	0.0	0.0	0.0	0.0	0.0
C45.0	15.2	12.6	9.8	7.5	4.7	2.2	0.5	0.0	0.0	0.0
C90.0	6.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C135.0	6.4	4.1	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
C180.0	7.8	5.0	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
C225.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C315.0	10.1	5.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C360.0	11.1	8.5	6.2	4.3	1.2	0.0	0.0	0.0	0.0	0.0
C\G	G90.0									
C0.0	0.0									
C45.0	0.0									
C90.0	0.0									
C135.0	0.0									
C180.0	0.0									
C225.0	0.0									
C270.0	0.0									
C315.0	0.0									
C360.0	0.0									

Light Distribution Curve [Unit: cd]

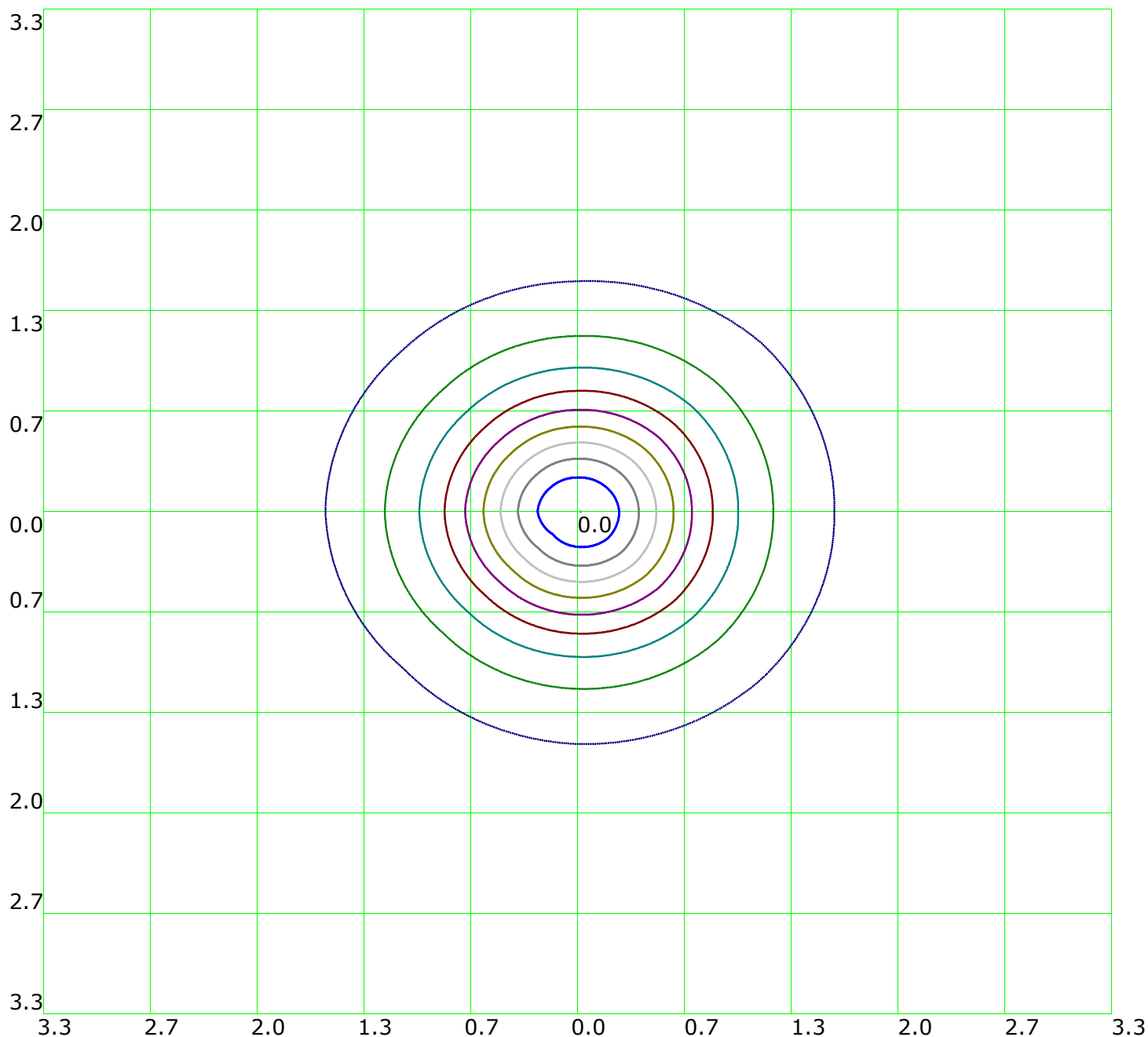




-180° **180°**
Light Distribution Curve (Linear)
(cd) | ?1: —



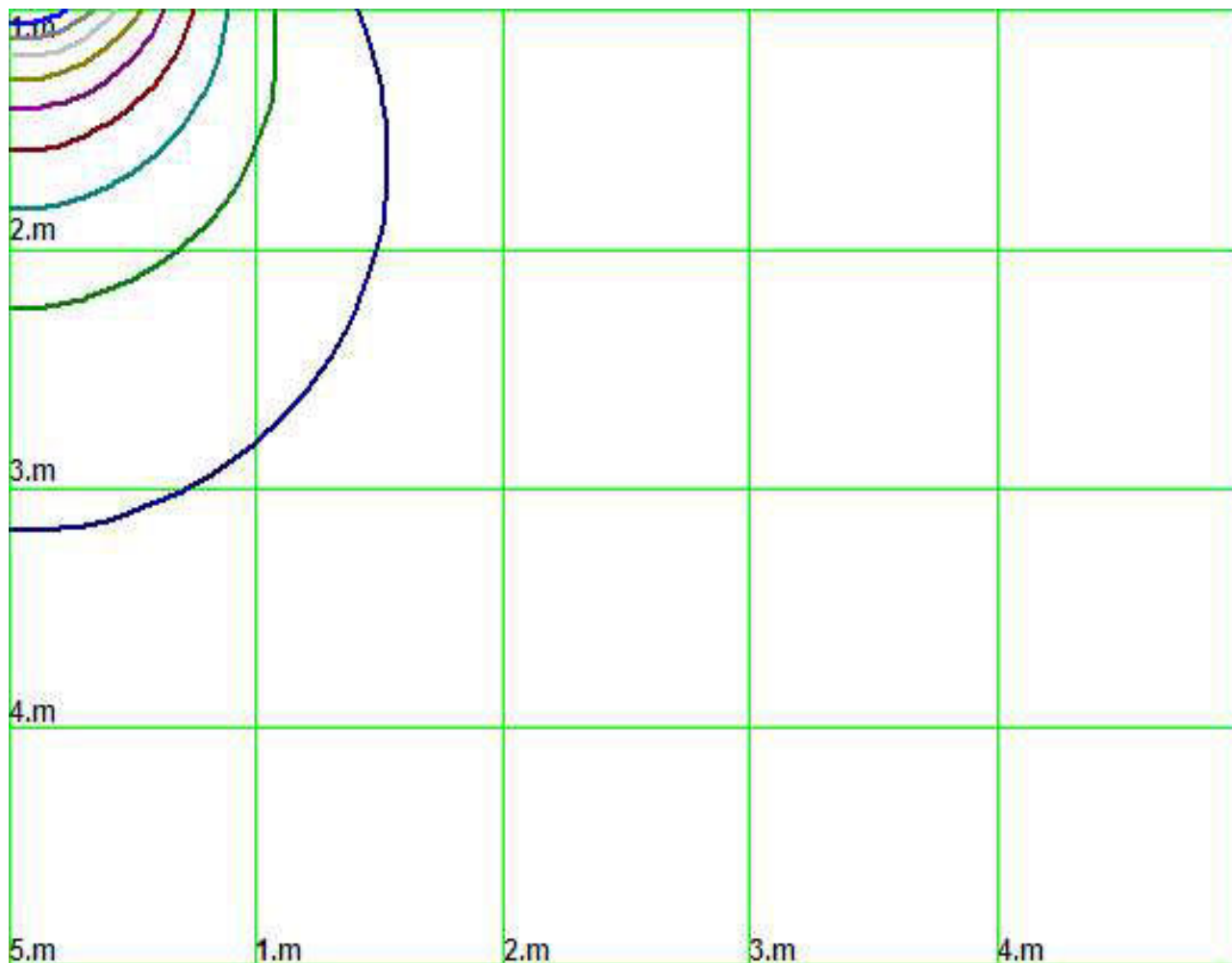
Isolx curve



Height: 1 m

- | | | | |
|------------------|-------------------|------------------|------------------|
| — (10%): 14.4lx | — (20%): 28.9lx | — (30%): 43.3lx | — (40%): 57.8lx |
| — (50%): 72.2lx | — (60%): 86.6lx | — (70%): 101.1lx | — (80%): 115.5lx |
| — (90%): 129.9lx | — (100%): 144.2lx | | |

Space Isolx Curve



— (10%): 14.4lx	— (20%): 28.9lx	— (30%): 43.3lx	— (40%): 57.8lx
— (50%): 72.2lx	— (60%): 86.6lx	— (70%): 101.1lx	— (80%): 115.5lx
— (90%): 129.9lx	— (100%): 144.2lx		



Luminance Limiting Curve

Diameter: 85mm

Length: 85mm

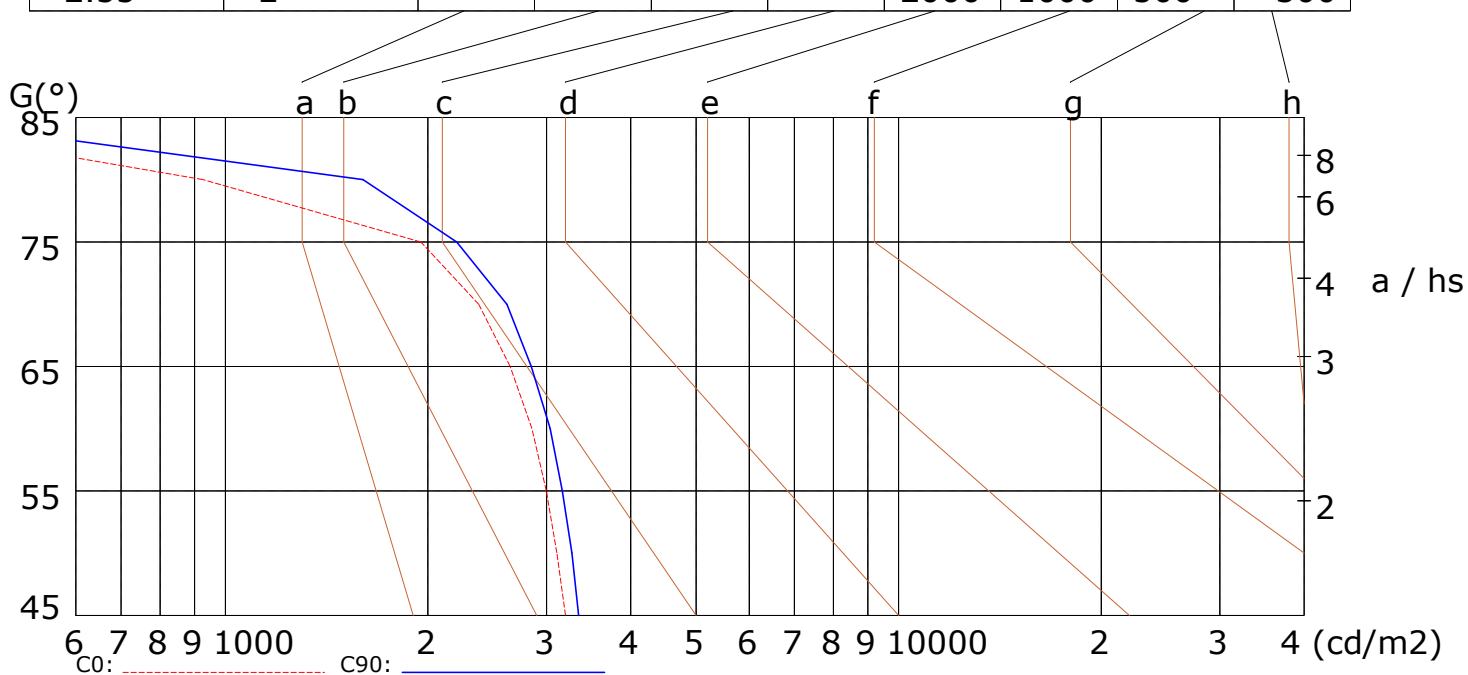
Width: 85mm

Height: 4mm

(cd/m²)

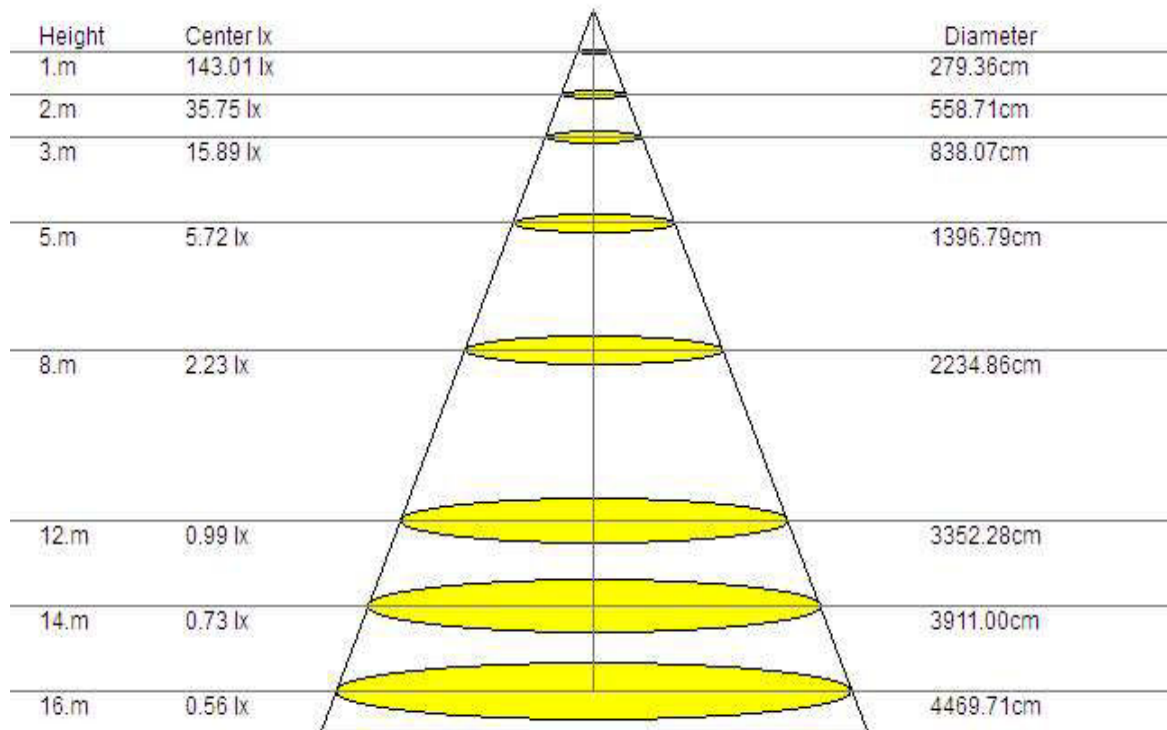
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	3201	3107	2997	2854	2649	2380	1951	926	
C90	3347	3270	3165	3035	2846	2621	2207	1601	

Glare	Quality	Service Values Illuminance (lx)							
		2000	1000	500	=300				
1.15	A								
1.5	B		2000	1000	500	=300			
1.85	C			2000	1000	500	=300		
2.2	D				2000	1000	500	=300	
2.55	E					2000	1000	500	=300



Lum. Limiting Curve (C0/C90)

Lux-Distance Curve



Beam Angle: 108.80°(50%Imax)



Coefficients of Utilization

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.06	1.04	1.03	1.05	1.03	1.01	1.01	0.99	0.97	0.96	0.94	0.92	0.90	0.87	0.85	0.80
2	0.91	0.88	0.86	0.90	0.87	0.85	0.88	0.84	0.81	0.84	0.80	0.77	0.79	0.76	0.72	0.67
3	0.78	0.75	0.73	0.78	0.74	0.72	0.76	0.72	0.69	0.74	0.69	0.65	0.71	0.66	0.61	0.57
4	0.67	0.65	0.63	0.68	0.64	0.61	0.67	0.62	0.59	0.66	0.60	0.56	0.64	0.58	0.53	0.49
5	0.59	0.56	0.54	0.59	0.56	0.53	0.60	0.55	0.51	0.59	0.53	0.49	0.57	0.51	0.46	0.42
6	0.52	0.49	0.48	0.53	0.49	0.47	0.53	0.48	0.45	0.53	0.47	0.43	0.52	0.46	0.41	0.37
7	0.46	0.44	0.42	0.47	0.44	0.41	0.48	0.43	0.40	0.48	0.42	0.38	0.48	0.41	0.36	0.33
8	0.42	0.39	0.38	0.43	0.39	0.37	0.44	0.39	0.36	0.44	0.38	0.34	0.44	0.37	0.32	0.29
9	0.38	0.35	0.34	0.39	0.35	0.33	0.40	0.35	0.32	0.41	0.35	0.31	0.41	0.34	0.29	0.26
10	0.34	0.32	0.31	0.35	0.32	0.30	0.37	0.32	0.29	0.38	0.32	0.28	0.38	0.31	0.27	0.24



Indoor Budgetary Estimate Chart

