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Luminaire Property

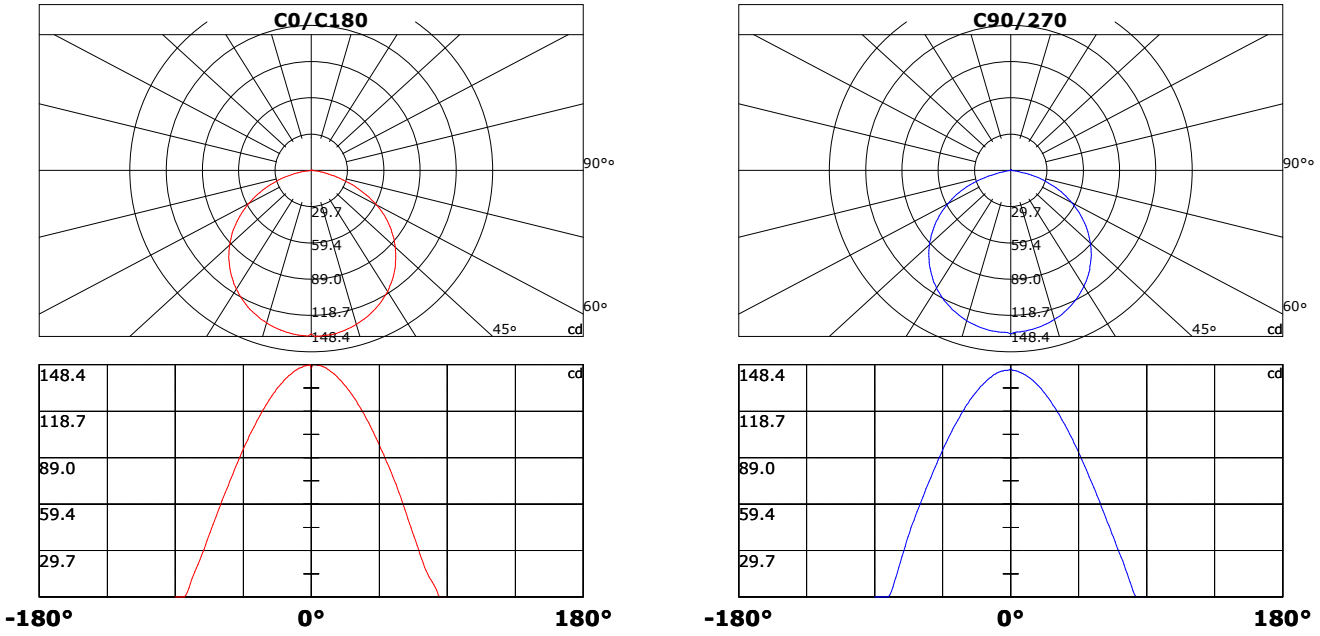
Luminaire Description: B1150CCT_BC
Luminaire Categorie: DOWNLIGHT CCT 7W
Lamp Categorie: LED
Lamp Description: BLANCO CALIDO 3000K
Number of Lamp: 1
Lamp Lumens(lm): NA
Luminous Length(m): 0.085
Luminous Width(m): 0.085
Luminous Height(m): 0.004

Voltage: 230.4 V
Current: 0.054 A
Power: 7.49 W
Power Factor: 0.602
Test Lab: BLED
Photometric Type: Type C
Manufactory: BLED

Photometric Results

CIE Class: Direct
Luminaire Lumens: 386.15 lm
Efficiency: 51.5554 lm/W
Central Intensity: 146.125cd
Max. Intensity: 148.415cd
Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:1.0
Beam Angle(50%Imax): L: -54.9 R:54.1
Luminaire Efficacy Rating(LER) : 100.00%
Upward Ratio: NA
Downward Ratio: NA
Beamwidth(50%Imax): H=110.83V=109.13



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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	146.1	148.4	148.4	148.4	148.1	148.0	147.8	147.5	147.2	146.6
C45.0	146.1	143.4	143.4	143.4	143.4	143.2	143.1	142.8	142.6	142.2
C90.0	146.1	144.9	144.7	144.6	144.4	144.1	143.6	143.2	142.7	142.2
C135.0	146.1	146.6	146.4	146.2	145.8	145.4	145.1	144.6	144.0	143.4
C180.0	146.1	148.3	148.2	148.0	147.7	147.4	146.9	146.6	146.2	145.6
C225.0	146.1	143.2	143.0	142.7	142.5	142.1	141.7	141.2	140.7	140.1
C270.0	146.1	145.0	144.9	144.9	144.7	144.5	144.4	144.1	143.7	143.1
C315.0	146.1	146.8	146.9	146.8	146.7	146.6	146.5	146.2	145.8	145.6
C360.0	146.1	148.4	148.4	148.4	148.1	148.0	147.8	147.5	147.2	146.6

C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	146.2	145.5	144.8	144.1	143.4	142.5	141.7	140.7	139.8	138.8
C45.0	141.8	141.4	140.9	140.4	139.8	139.0	138.4	137.6	136.8	136.0
C90.0	141.7	141.0	140.4	139.7	138.8	138.0	137.2	136.3	135.3	134.1
C135.0	142.7	142.1	141.3	140.5	139.6	138.8	137.8	136.8	135.6	134.6
C180.0	145.0	144.3	143.6	142.9	142.1	141.2	140.2	139.5	138.5	137.2
C225.0	139.5	138.8	138.1	137.3	136.6	135.7	134.6	133.7	132.8	131.7
C270.0	142.6	142.1	141.3	140.6	139.9	139.1	138.3	137.3	136.3	135.3
C315.0	145.1	144.6	144.1	143.6	143.1	142.3	141.5	140.8	140.0	139.0
C360.0	146.2	145.5	144.8	144.1	143.4	142.5	141.7	140.7	139.8	138.8

C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	137.9	136.7	135.5	134.4	133.2	131.9	130.6	129.2	127.8	126.4
C45.0	135.0	134.0	133.1	132.0	130.9	129.8	128.6	127.3	126.1	124.7
C90.0	133.1	132.0	130.8	129.6	128.3	127.0	125.6	124.4	122.6	121.2
C135.0	133.4	132.4	130.9	129.7	128.4	127.1	125.6	124.1	122.6	121.0
C180.0	136.2	135.0	133.9	132.7	131.2	130.0	128.6	127.2	125.7	124.1
C225.0	130.4	129.4	128.2	127.0	125.6	124.2	122.8	121.4	120.0	118.3
C270.0	134.3	133.3	132.0	130.8	129.7	128.5	127.0	125.7	124.2	122.9
C315.0	138.1	137.1	136.2	135.1	133.9	132.9	131.6	130.2	128.9	127.6
C360.0	137.9	136.7	135.5	134.4	133.2	131.9	130.6	129.2	127.8	126.4

C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	124.9	123.2	121.6	120.0	118.3	116.6	114.8	112.9	111.3	109.4
C45.0	123.3	121.9	120.5	119.0	117.6	115.9	114.2	112.7	110.9	109.1
C90.0	119.7	118.1	116.8	114.9	113.3	111.5	109.9	107.8	106.1	104.2
C135.0	119.6	117.7	116.1	114.4	112.6	110.7	108.9	107.1	105.1	103.3
C180.0	122.6	121.0	119.5	117.7	116.0	114.2	112.5	110.4	108.6	106.7
C225.0	116.8	115.3	113.5	111.9	110.2	108.4	106.6	104.8	102.9	100.9
C270.0	121.5	119.7	118.3	116.6	114.9	113.1	111.3	109.6	107.9	106.1
C315.0	126.2	124.8	123.2	121.7	120.2	118.4	116.7	114.9	113.3	111.5
C360.0	124.9	123.2	121.6	120.0	118.3	116.6	114.8	112.9	111.3	109.4

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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	107.3	105.4	103.4	101.4	99.3	97.1	95.0	92.9	90.8	88.4
C45.0	107.3	105.6	103.7	102.0	99.8	98.1	95.9	94.0	91.6	89.7
C90.0	102.3	100.5	98.2	96.3	94.4	92.2	90.1	87.8	85.7	83.8
C135.0	101.2	99.1	97.2	95.2	93.0	90.9	88.5	86.5	84.2	81.9
C180.0	104.8	103.0	100.5	98.6	96.5	94.5	92.5	89.9	87.7	85.6
C225.0	98.9	97.1	95.1	92.9	90.7	88.7	86.4	83.9	81.5	78.9
C270.0	104.0	102.1	100.2	98.1	96.2	93.9	91.9	89.7	87.7	85.3
C315.0	109.6	107.7	105.9	104.0	101.9	99.9	97.6	95.3	92.9	90.6
C360.0	107.3	105.4	103.4	101.4	99.3	97.1	95.0	92.9	90.8	88.4

C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	86.2	84.1	81.7	79.3	77.0	74.4	72.2	69.7	66.8	64.3
C45.0	87.6	85.5	83.4	80.9	78.9	76.6	74.3	71.9	69.4	67.4
C90.0	81.4	79.1	76.7	74.5	72.4	69.9	67.5	65.1	62.8	60.4
C135.0	79.5	77.4	75.0	72.7	70.2	67.7	65.4	63.1	60.3	58.1
C180.0	83.3	80.8	78.4	76.2	73.9	71.3	69.0	66.5	64.0	61.7
C225.0	76.4	73.8	70.7	68.3	66.3	64.1	61.7	59.2	56.5	53.6
C270.0	83.1	80.9	78.7	76.2	73.9	71.5	69.2	66.8	64.1	61.7
C315.0	87.9	85.3	82.7	80.6	78.6	76.3	73.9	71.5	68.8	65.7
C360.0	86.2	84.1	81.7	79.3	77.0	74.4	72.2	69.7	66.8	64.3

C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	61.7	58.8	55.8	53.0	50.0	47.2	44.1	41.5	38.9	36.0
C45.0	64.9	62.6	59.9	57.5	55.3	52.7	50.2	47.7	45.2	42.5
C90.0	57.8	55.3	52.9	50.6	47.8	45.7	43.0	40.4	38.3	35.4
C135.0	55.4	53.2	50.6	47.8	45.5	42.9	40.5	37.6	35.3	32.9
C180.0	59.1	56.4	53.9	51.6	49.0	46.3	43.6	41.2	38.7	35.9
C225.0	51.0	48.6	46.3	43.7	41.0	38.4	35.8	33.3	31.0	28.1
C270.0	59.3	56.8	54.5	51.8	49.2	46.9	44.2	41.3	38.6	35.5
C315.0	63.3	60.3	56.3	50.2	44.0	38.0	31.1	25.9	21.6	19.1
C360.0	61.7	58.8	55.8	53.0	50.0	47.2	44.1	41.5	38.9	36.0

C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	33.1	30.1	27.2	24.5	21.8	19.2	16.9	14.8	13.0	11.3
C45.0	40.3	37.8	35.1	32.7	30.1	27.6	25.2	22.7	20.5	17.8
C90.0	33.0	30.4	27.9	25.5	23.1	20.6	17.5	15.1	12.3	9.5
C135.0	30.2	27.7	25.2	22.8	20.4	18.3	16.0	13.8	11.5	9.1
C180.0	33.4	30.5	28.2	25.7	23.2	20.8	18.5	16.2	14.0	11.4
C225.0	25.9	23.3	20.8	18.2	15.4	12.2	9.5	6.6	4.1	1.6
C270.0	32.3	29.0	25.8	22.2	19.0	15.9	12.6	9.4	6.5	3.6
C315.0	17.6	17.2	17.5	18.4	19.1	19.3	18.7	17.7	15.8	13.3
C360.0	33.1	30.1	27.2	24.5	21.8	19.2	16.9	14.8	13.0	11.3

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C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	9.7	7.9	6.4	4.4	1.3	0.0	0.0	0.0	0.0	0.0
C45.0	15.1	12.4	9.9	7.4	4.7	2.2	0.5	0.0	0.0	0.0
C90.0	6.6	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C135.0	7.0	4.6	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
C180.0	8.6	5.9	3.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0
C225.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C270.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C315.0	10.4	7.2	4.3	1.9	0.4	0.0	0.0	0.0	0.0	0.0
C360.0	9.7	7.9	6.4	4.4	1.3	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									

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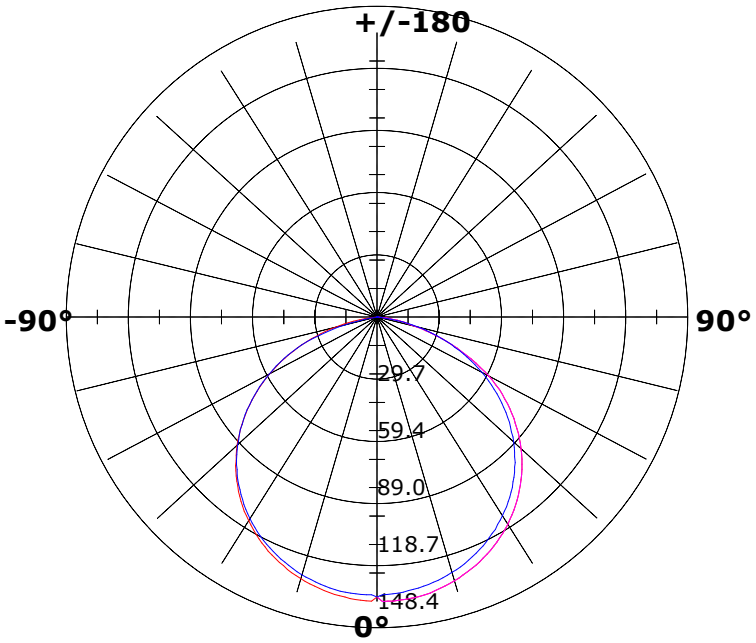
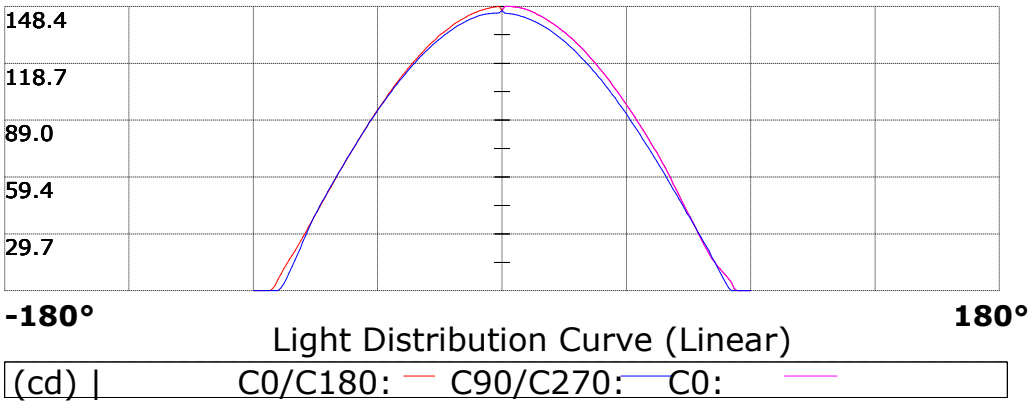
Light Distribution Curve [Unit: cd]





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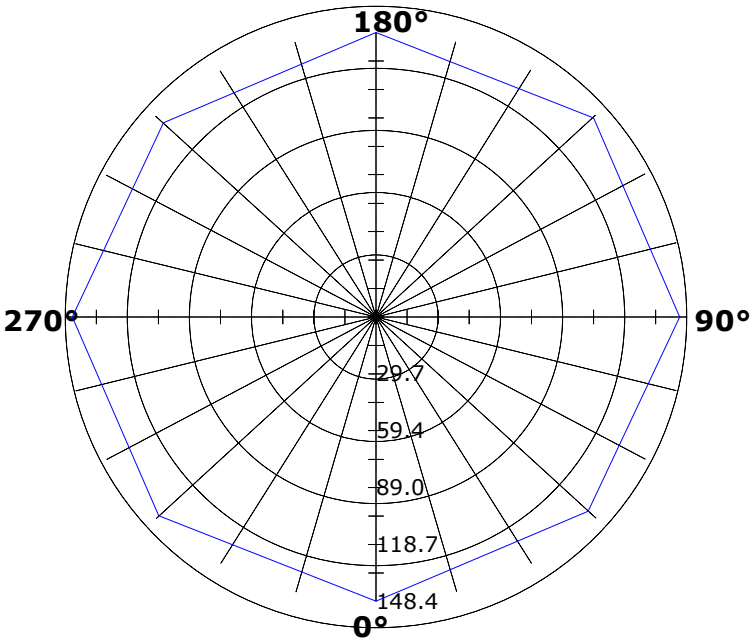

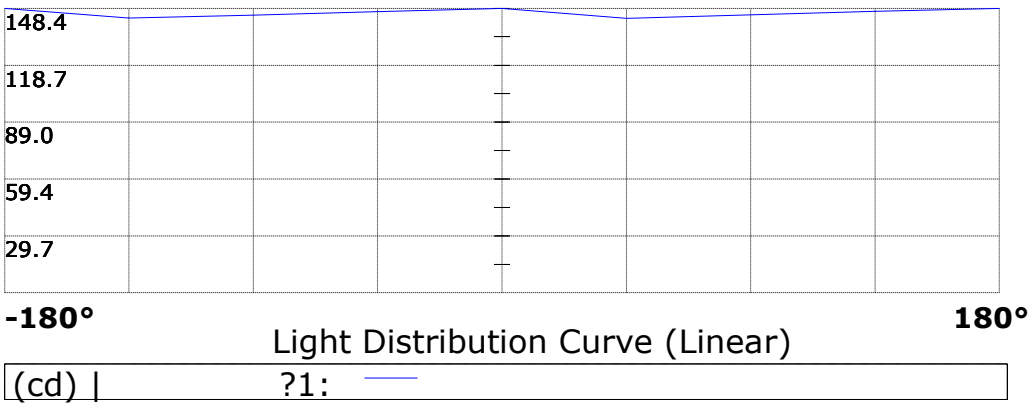

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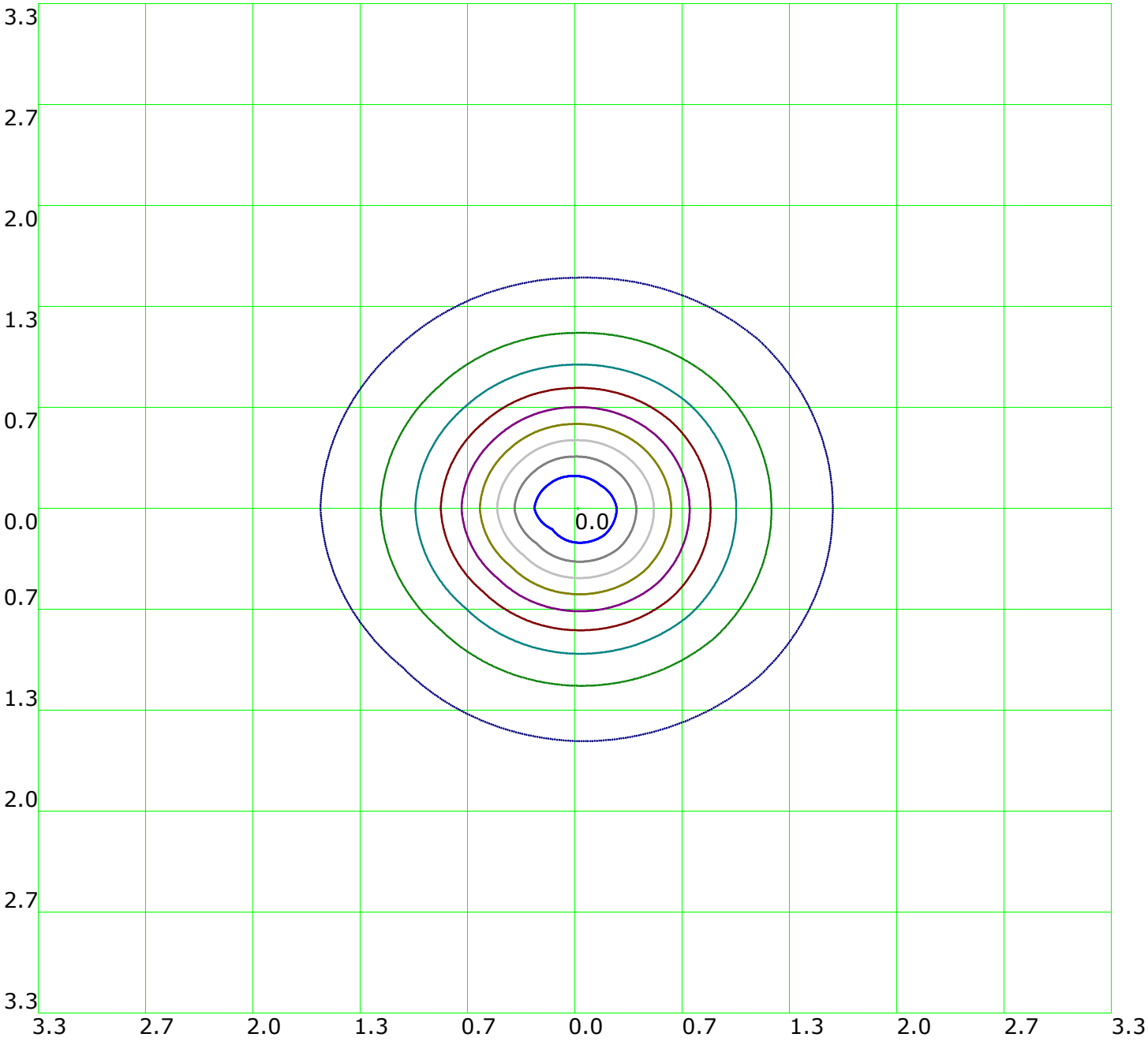
Isolx curve



Height: 1 m

(10%): 14.8lx (20%): 29.7lx (30%): 44.5lx (40%): 59.4lx
(50%): 74.2lx (60%): 89.1lx (70%): 103.9lx (80%): 118.7lx
(90%): 133.6lx (100%): 148.3lx

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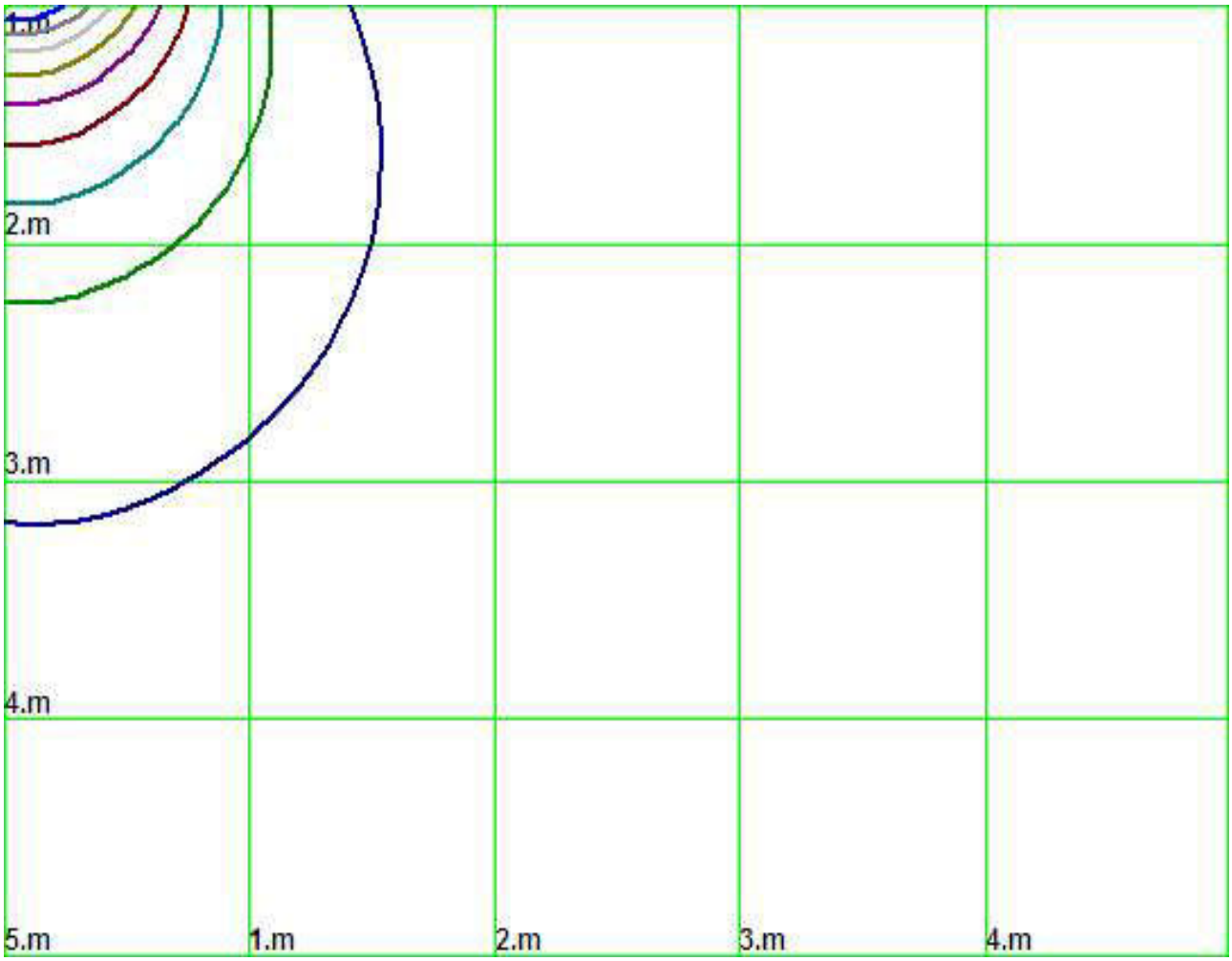
Space Isolx Curve



(10%): 14.8lx (20%): 29.7lx (30%): 44.5lx (40%): 59.4lx
(50%): 74.2lx (60%): 89.1lx (70%): 103.9lx (80%): 118.7lx
(90%): 133.6lx (100%): 148.3lx

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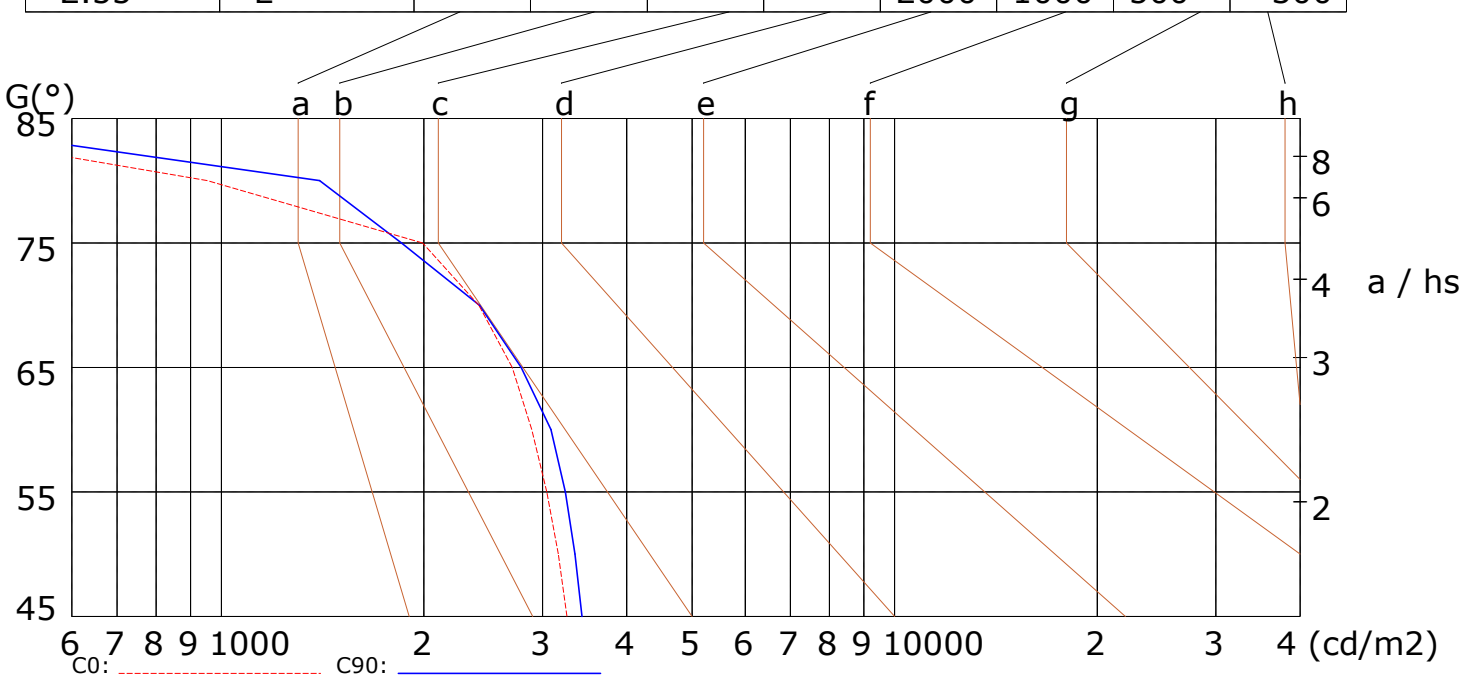
Luminance Limitting Curve

Diameter: 85mm
Length: 85mm
Width: 85mm
Height: 4mm

(cd/m2)

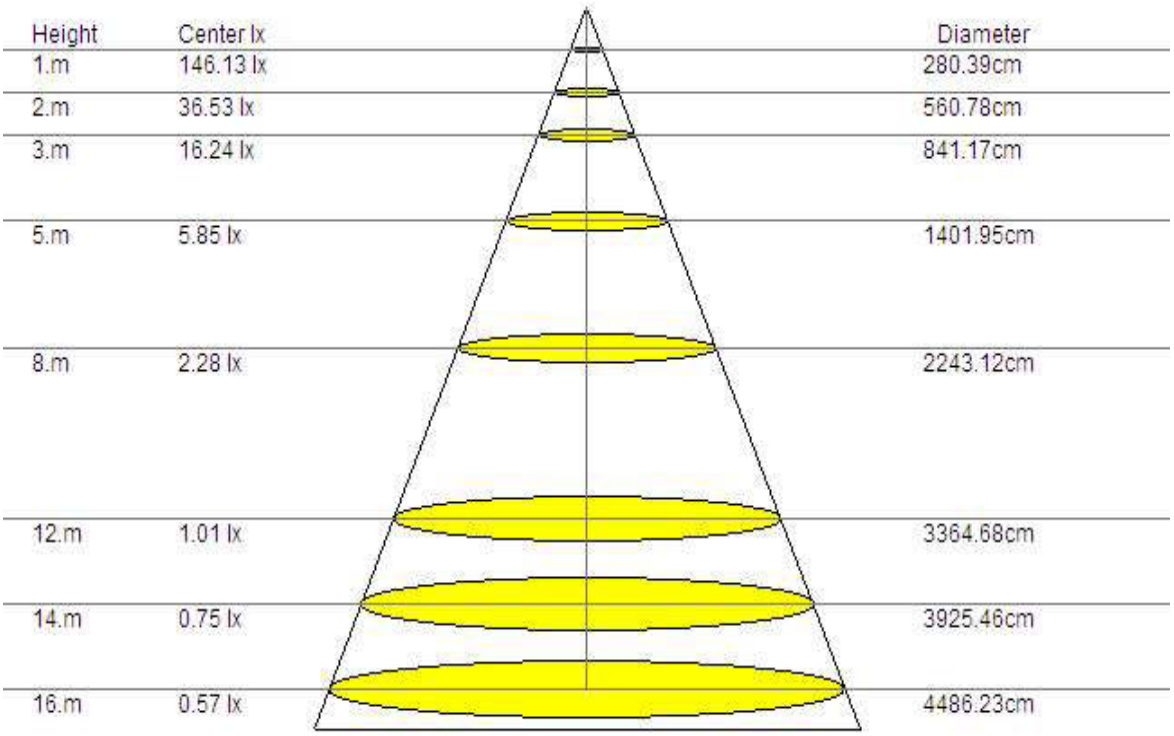
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	3260	3166	3045	2892	2705	2414	1991	953	
C90	3434	3352	3244	3086	2790	2419	1852	1399	

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	=300				
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. Limitting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:109.00°(50%Imax)

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Cofficiencts 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	COEFFCIENTS 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	1.05	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	0.89	0.87	0.90	0.87	0.85	0.88	0.84	0.82	0.84	0.81	0.77	0.80	0.76	0.72	0.68
3	0.78	0.75	0.74	0.78	0.75	0.72	0.77	0.72	0.69	0.74	0.70	0.66	0.71	0.66	0.62	0.57
4	0.68	0.65	0.63	0.68	0.64	0.62	0.67	0.63	0.59	0.66	0.61	0.56	0.64	0.58	0.53	0.49
5	0.59	0.56	0.55	0.60	0.56	0.54	0.60	0.55	0.51	0.59	0.53	0.49	0.58	0.51	0.46	0.43
6	0.52	0.50	0.48	0.53	0.49	0.47	0.54	0.49	0.45	0.53	0.48	0.43	0.53	0.46	0.41	0.37
7	0.47	0.44	0.42	0.47	0.44	0.42	0.48	0.43	0.40	0.49	0.43	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	0.38	0.33	0.29
9	0.38	0.36	0.34	0.39	0.36	0.34	0.40	0.35	0.32	0.41	0.35	0.31	0.41	0.34	0.29	0.27
10	0.35	0.32	0.31	0.35	0.32	0.30	0.37	0.32	0.29	0.38	0.32	0.28	0.38	0.32	0.27	0.24

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Indoor Budgetary Estimate Chart