

Report No.:

Test Time: 2011-01-08 03:03

Luminaire Property

Luminaire Manufacturer:
 Luminaire Category:
 Luminaire Description: SMT81
 Lamp Catalog: COB
 Number of Lamps: 1
 Luminous Length (mm): 70
 Luminous Height (mm): 13
 Current: 0.070 A
 Power Factor: 0.589

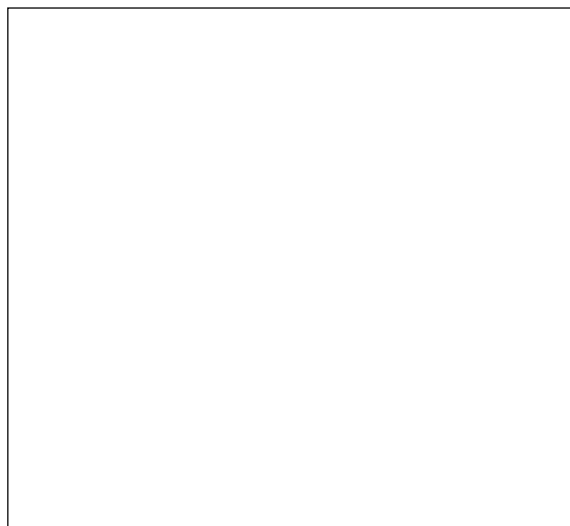
Lamp Description: CXA1304
 Lumens per Lamp: 604LM
 Luminous Width (mm): 70
 Voltage: 220.6 V
 Power: 9.09 W

Photometric Results

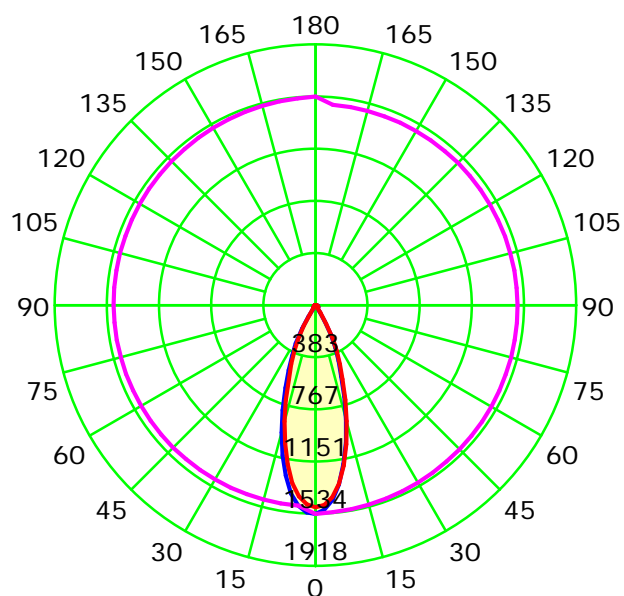
CIE Class: Direct
 Measurement Flux: 619.8 lm
 Downward Ratio: 102.61%
 Field Angle: H60.9 V61.0
 Luminaire Efficacy Rating (LER): 68
 Max. Intensity: 1534.69 cd

Total Rated Lamp Lumens: 604.0 lm
 Efficiency: 102.61%
 Upward Ratio: 0.00%
 Beam Angle: H34.8 V34.6
 Central Intensity: 1534.69 cd
 Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



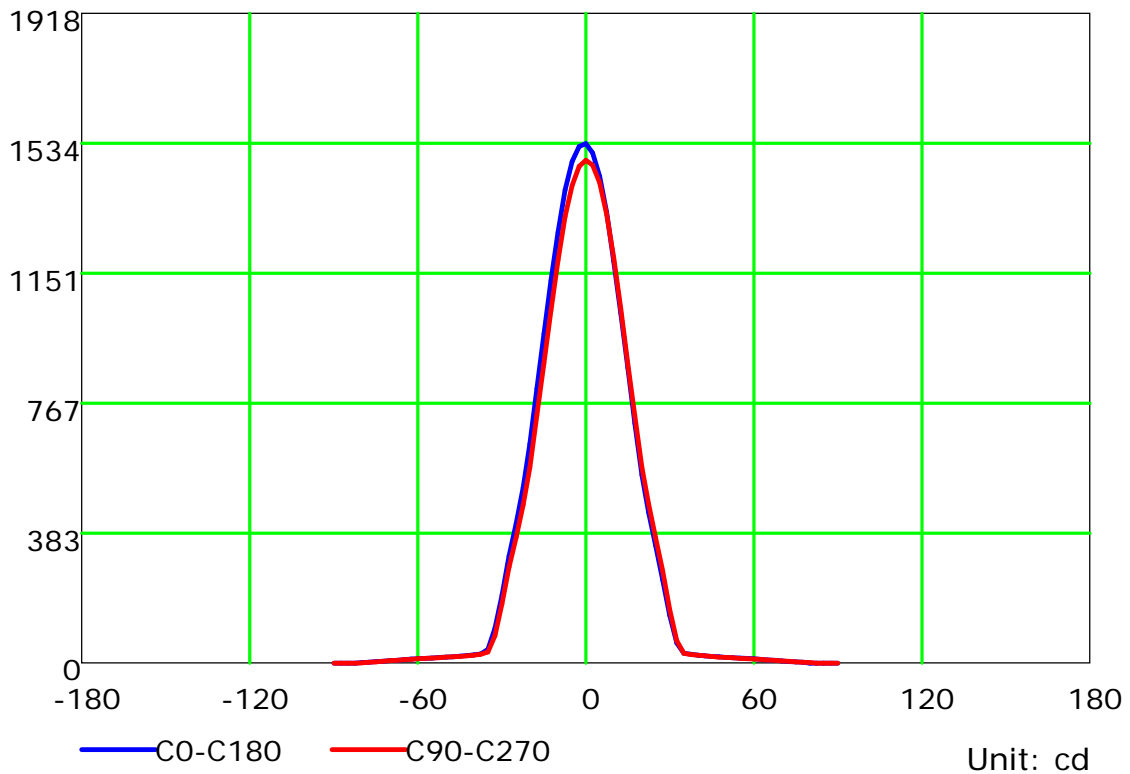
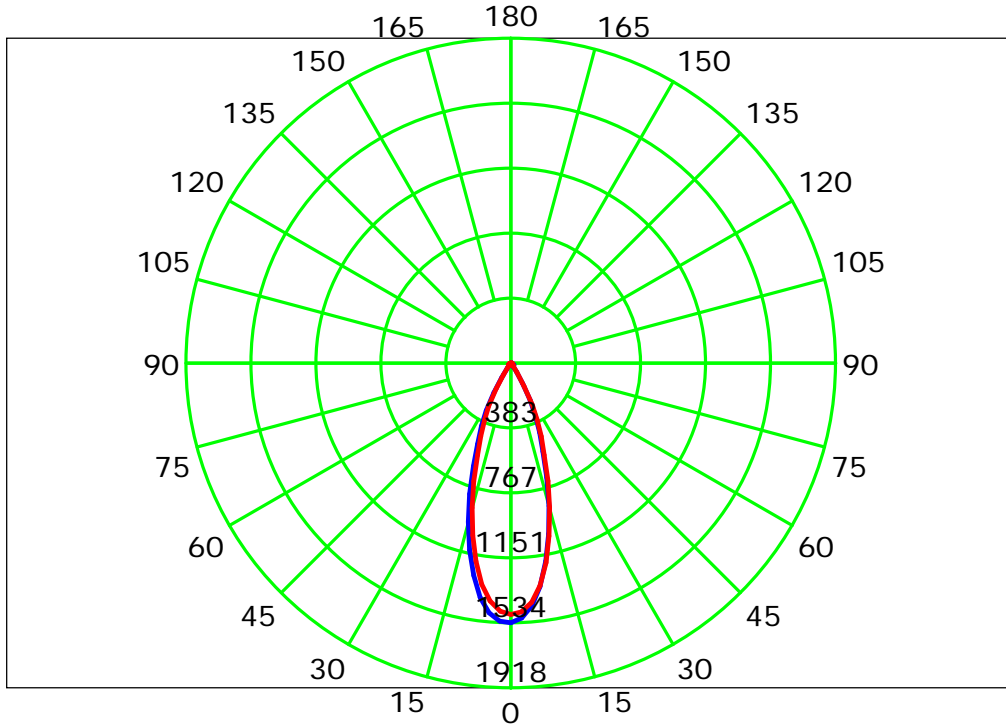
Average Diffuse Angle(50%): 34.7° Unit: cd

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 5.0
 Test Lab: 开发部
 Test Type: TYPE C
 Temperature: 27.62
 Operator: 吴铭光

Gamma Plane (°):0.0-90.0:2.5
 Test Device: GPM-1600L
 Distance: 8.961 m
 Humidity: 37%
 Inspector:

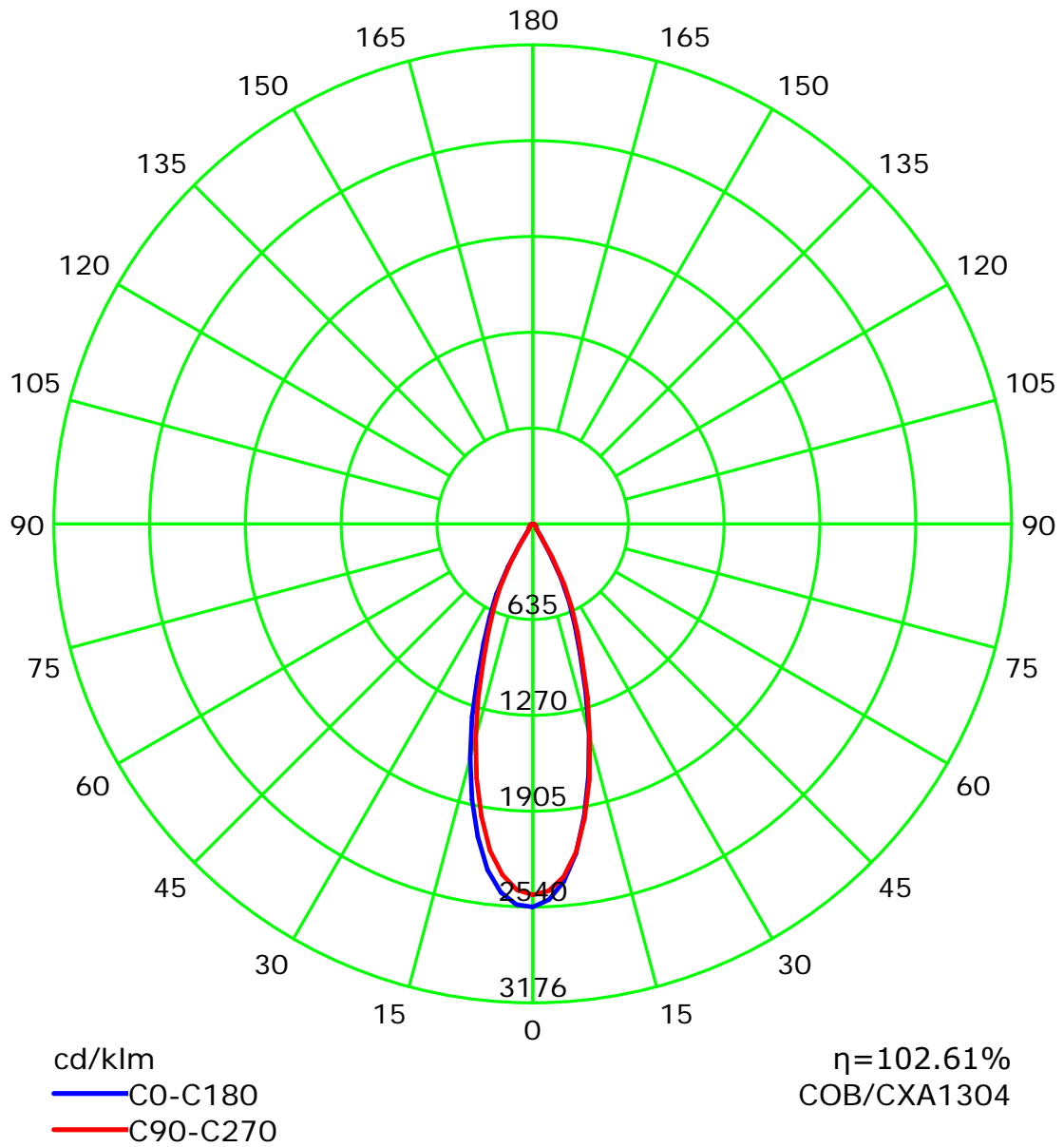
Luminous Intensity Distribution Curve



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Luminous Intensity Distribution Curve(cd/klm)



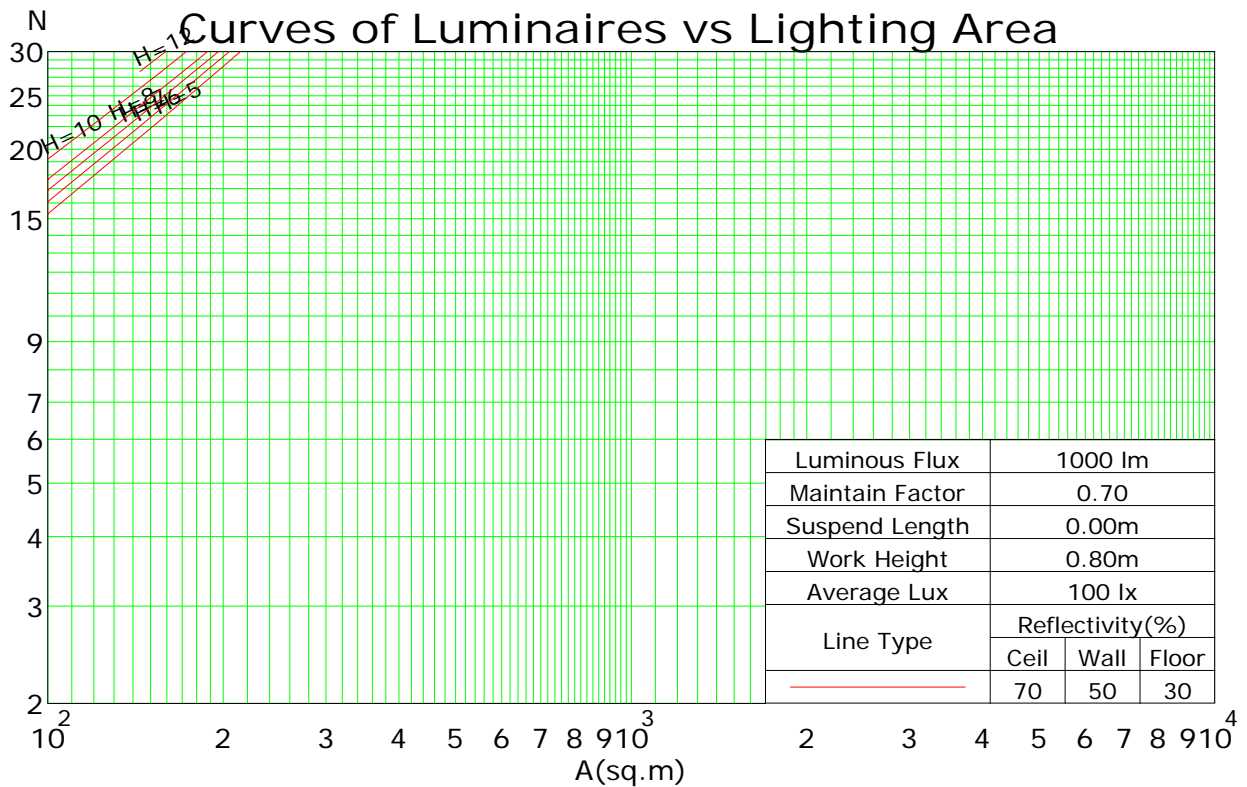
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Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	122	122	122	122	119	119	119	119	114	114	114	109	109	109	105	105	105	103
1	117	114	112	110	114	112	110	108	108	106	105	104	103	102	101	100	99	97
2	112	107	104	100	110	106	102	99	102	100	97	99	97	95	97	95	93	92
3	107	101	97	93	105	100	96	92	97	94	91	95	92	90	93	90	88	87
4	103	96	91	87	101	95	90	87	93	89	86	91	87	85	89	86	84	82
5	99	91	86	82	97	90	85	82	89	84	81	87	83	80	85	82	80	78
6	95	87	82	78	93	86	81	78	85	80	77	83	79	77	82	79	76	75
7	91	83	78	74	90	82	77	74	81	77	73	80	76	73	79	75	73	71
8	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	70	69
9	85	76	71	68	84	76	71	68	75	70	67	74	70	67	73	70	67	66
10	82	73	68	65	81	73	68	65	72	68	65	71	67	65	71	67	64	63

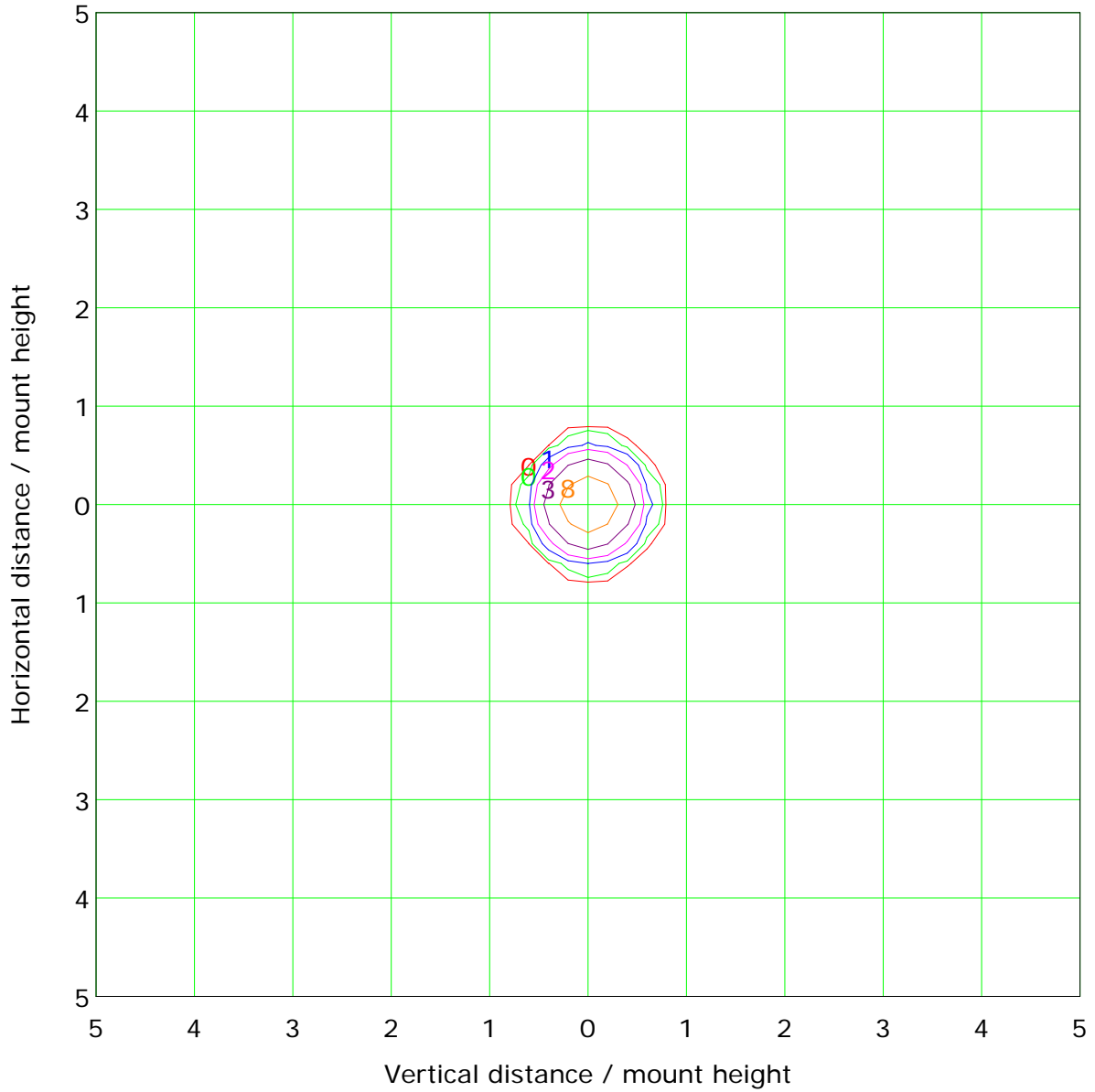
Spacing Criteria (0-180): 0.57
 Spacing Criteria (90-270): 0.57
 Spacing Criteria (Diagonal): 0.58



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IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 15.3 lx

— (1%): 0.2 lx	— (2%): 0.3 lx
— (5%): 0.8 lx	— (10%): 1.5 lx
— (20%): 3.1 lx	— (50%): 7.7 lx
— (100%): 15.3 lx	

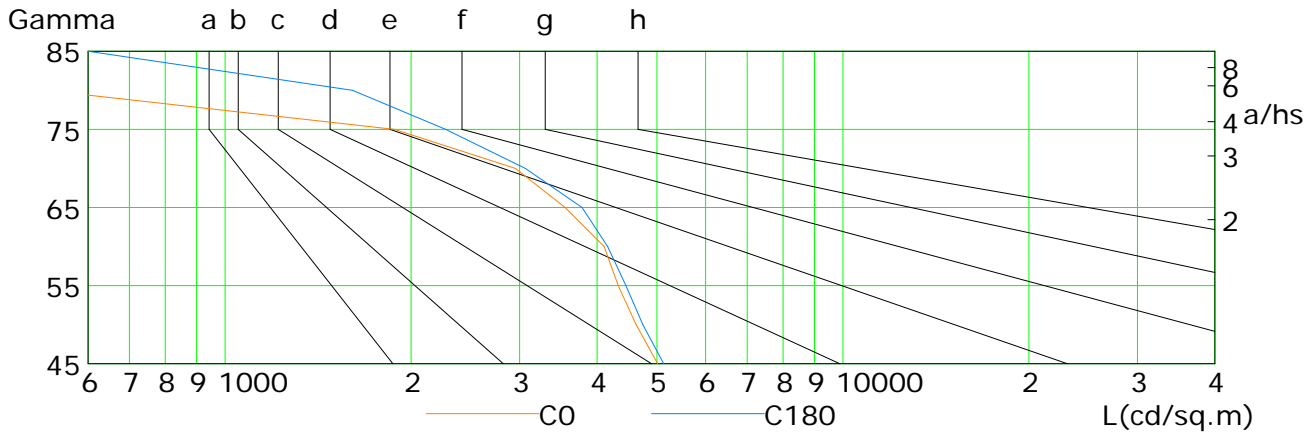
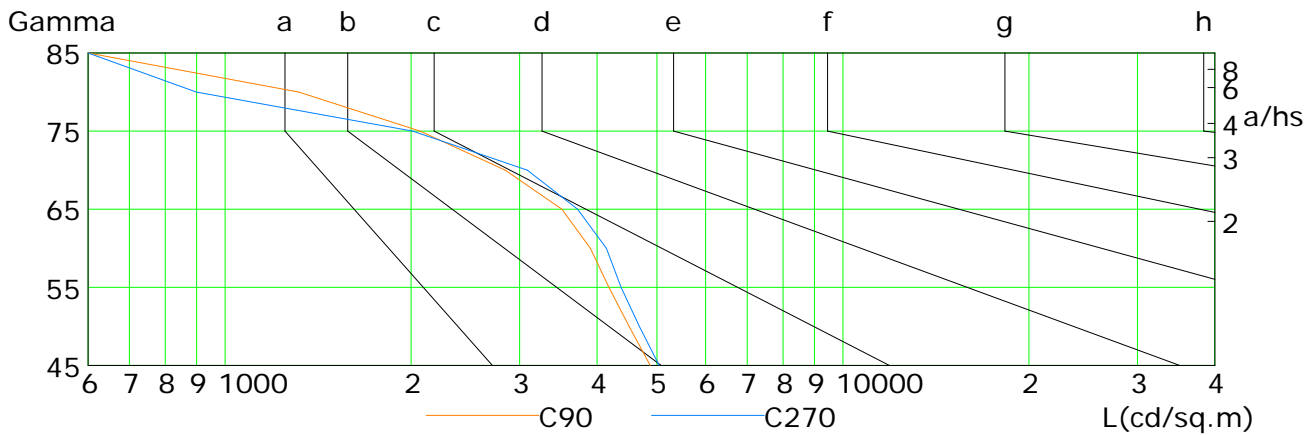
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Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

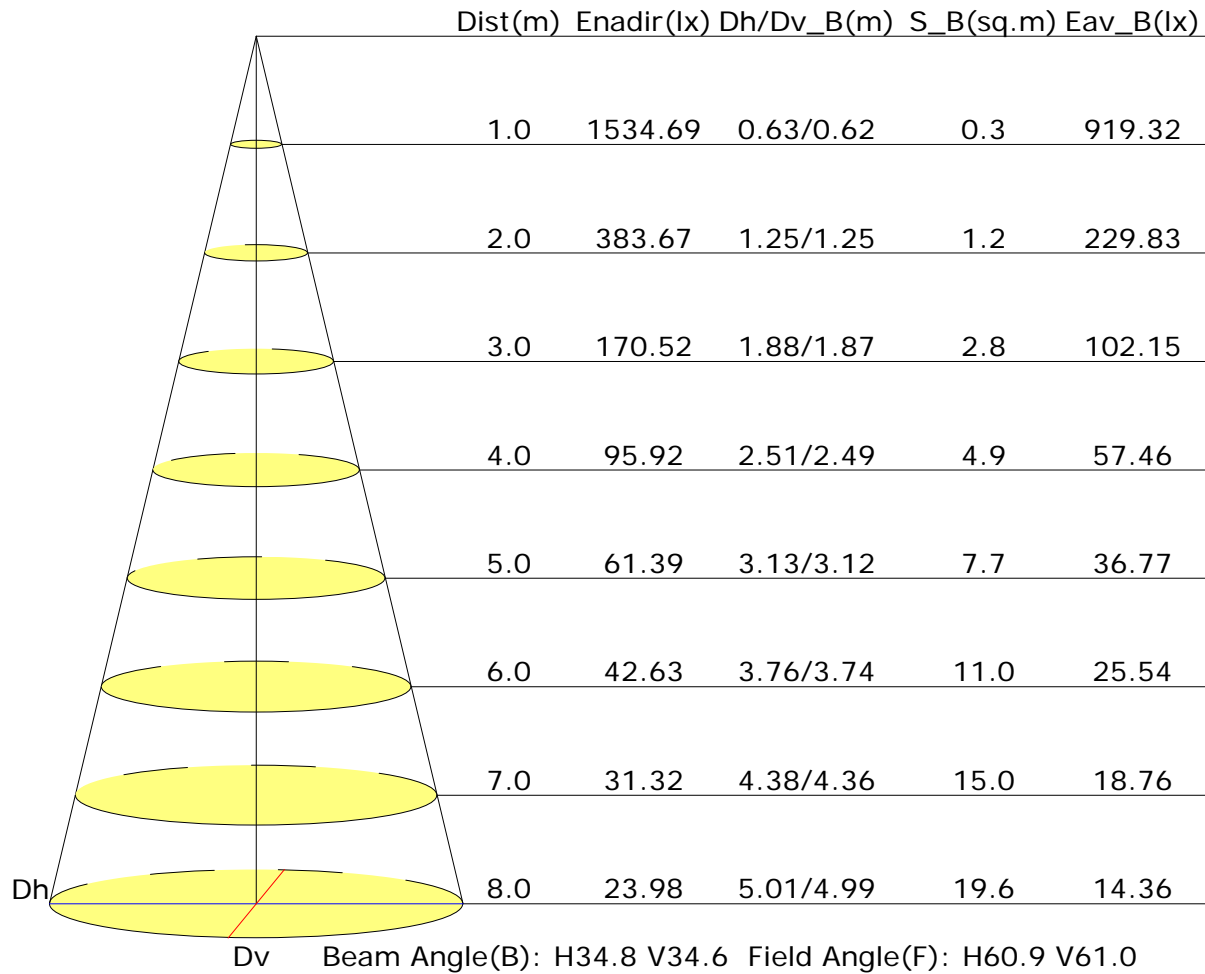


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5017	4627	4328	4110	3550	2951	1882	515	0
C90	4880	4510	4185	3904	3509	2841	2068	1317	0
C180	5126	4744	4455	4163	3782	3062	2277	1608	0
C270	5043	4687	4376	4144	3723	3086	2012	899	0

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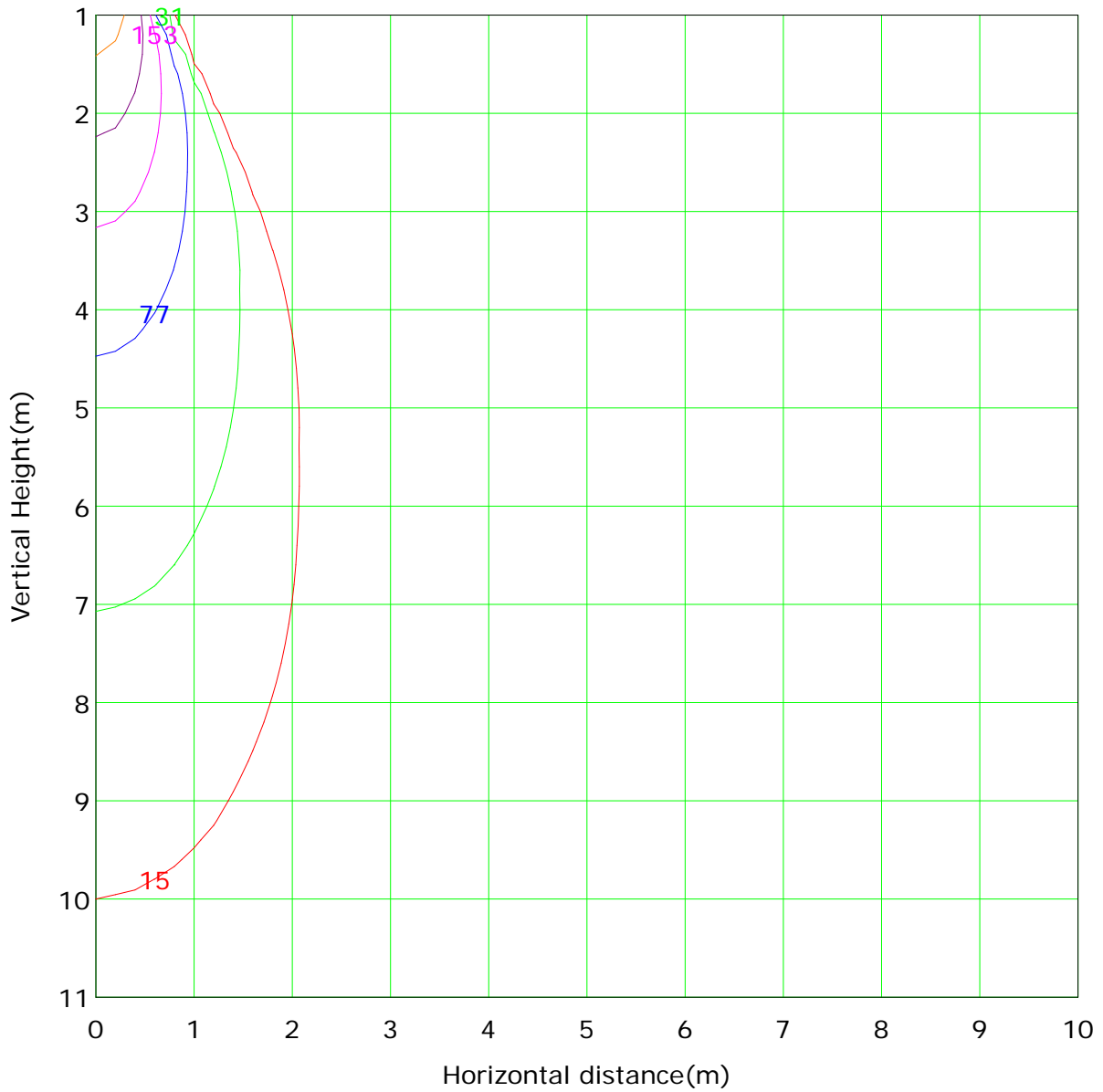
Illuminance at a Distance



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Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1534.7 lx
 (1%): 15.3 lx (2%): 30.7 lx
 (5%): 76.7 lx (10%): 153.5 lx
 (20%): 306.9 lx (50%): 767.3 lx
 (100%): 1534.7 lx

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