

Report No.:

Test Time: 2018-04-16 09:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Indoor

Luminaire Description: 160418-STB CROQUET G 600X300X51 11w 770lm 2700K

Lamp Catalog: DIRETO DE REDE

Lamp Description: PARAGONLED 11w 770lm 2700K

Number of Lamps: 1

Lumens per Lamp: 770lm

Luminous Length (mm): 600

Luminous Width (mm): 51

Luminous Height (mm): 300

Power: 13.24 W

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 770.0 lm

Measurement Flux: 524.9 lm

Efficiency: 68.17%

Downward Ratio: 68.17%

Upward Ratio: 0.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.1, 65.2, 162.2, 162.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 99.9, 35.7, 100.6, 100.6

Luminaire Efficacy Rating (LER): 39.70

Central Intensity: 10.03 cd/klm

Max. Intensity: 515.88 cd/klm

Pos of Max. Intensity: H15 V5

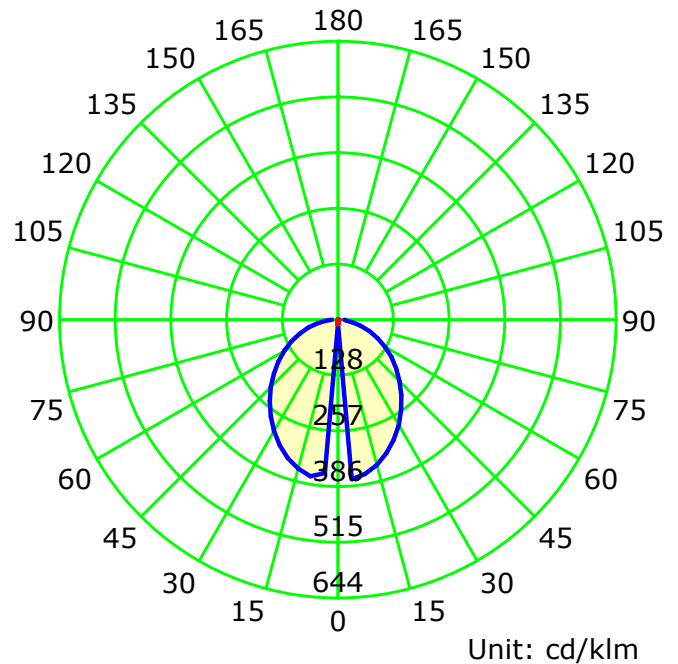
S/MH(C0/C180): 4.96

S/MH(C90/C270): 0.62

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 15.0

Test Lab: Alloy

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:5.0

Test Device:

Distance:

Humidity:

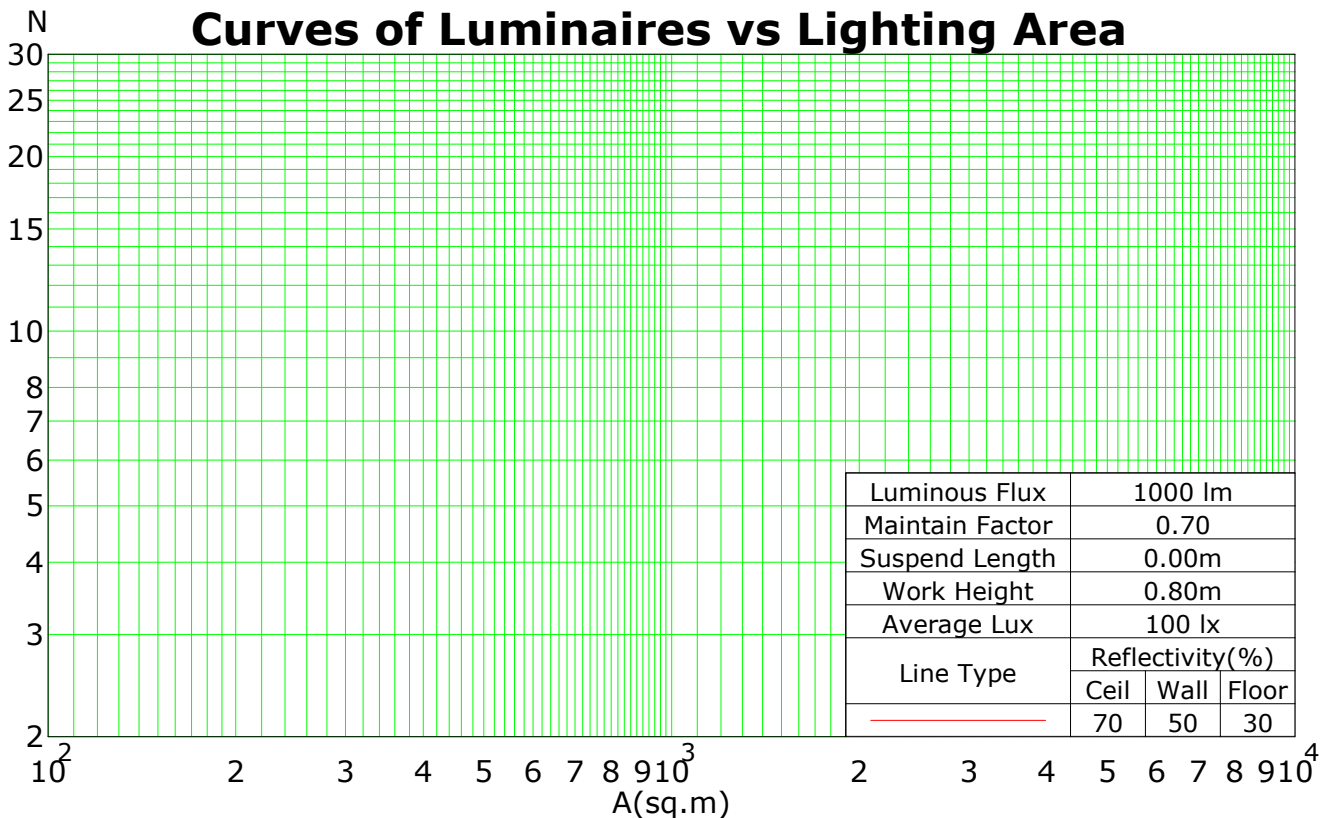
Inspector:

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	81	81	81	81	79	79	79	79	76	76	76	73	73	73	70	70	70	68
1	74	71	68	65	72	69	66	64	66	64	62	63	62	60	61	59	58	57
2	67	61	57	53	65	60	56	52	58	54	51	56	52	50	53	51	49	47
3	61	54	48	44	60	53	48	44	51	46	43	49	45	42	47	44	41	40
4	56	48	42	37	55	47	41	37	45	40	37	44	39	36	42	39	36	34
5	52	43	37	32	50	42	36	32	41	36	32	39	35	31	38	34	31	30
6	48	39	33	28	46	38	32	28	37	32	28	36	31	28	35	30	27	26
7	44	35	29	25	43	35	29	25	33	28	25	33	28	24	32	27	24	23
8	41	32	26	22	40	32	26	22	31	26	22	30	25	22	29	25	22	20
9	39	29	24	20	38	29	24	20	28	23	20	28	23	20	27	23	20	18
10	36	27	22	18	35	27	22	18	26	21	18	25	21	18	25	21	18	17

Spacing Criteria (0-180): 4.96
 Spacing Criteria (90-270): 0.62
 Spacing Criteria (Diagonal): 3.85

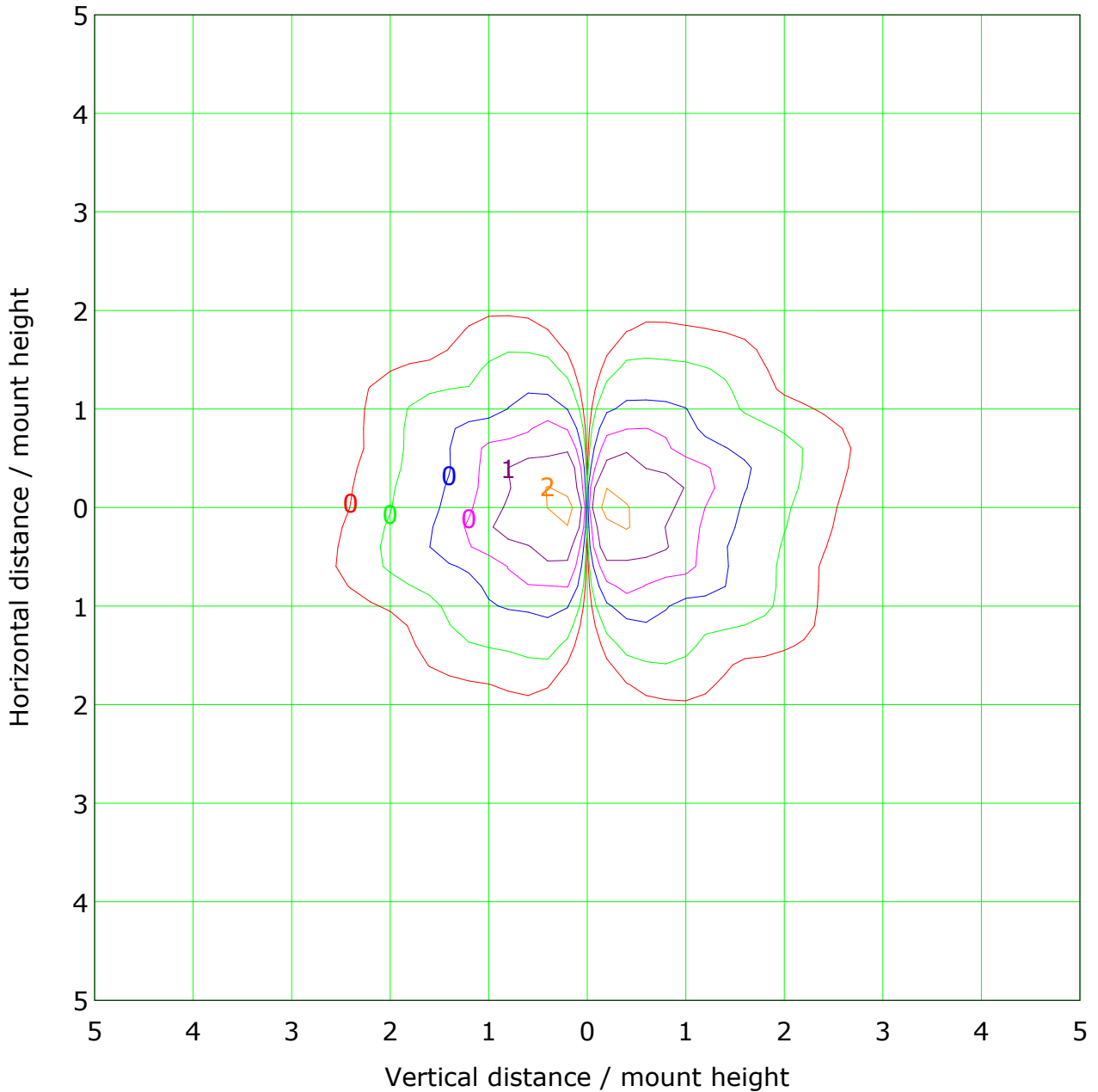
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 15.0
 Test Lab: Alloy
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 3.9 lx

— (1%): 0.0 lx	— (2%): 0.1 lx
— (5%): 0.2 lx	— (10%): 0.4 lx
— (20%): 0.8 lx	— (50%): 2.0 lx
— (100%): 3.9 lx	

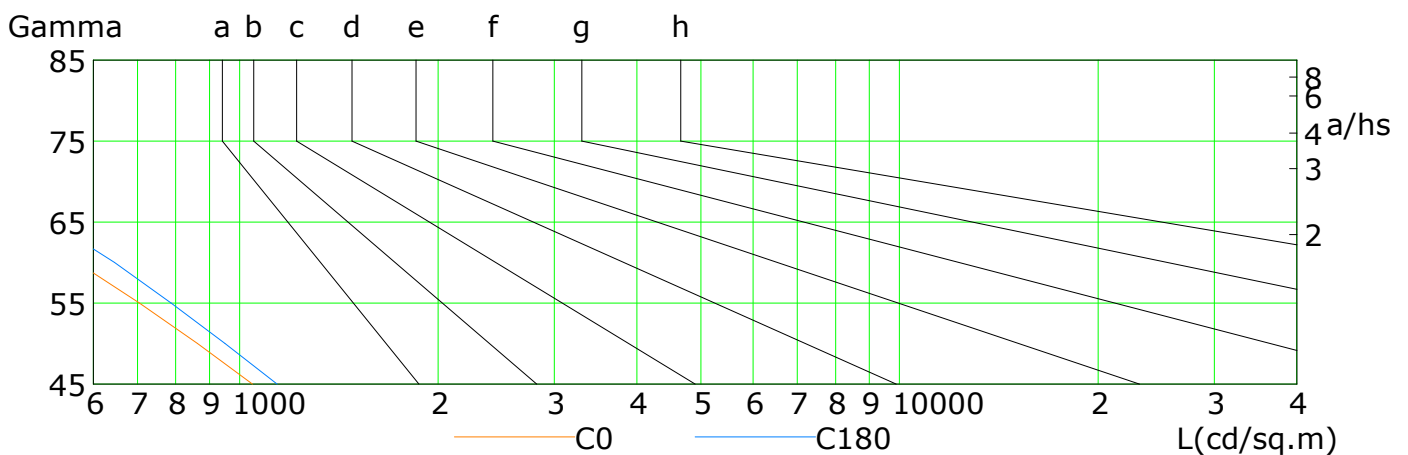
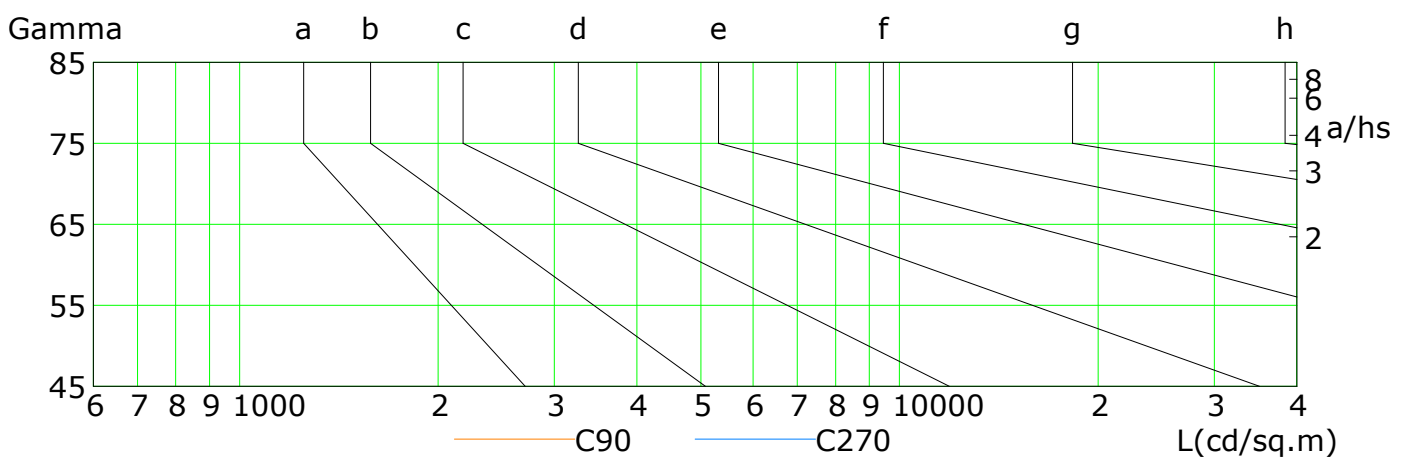
C Plane (°):0.0-360.0: 15.0
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Gamma Plane (°):0.0-90.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

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

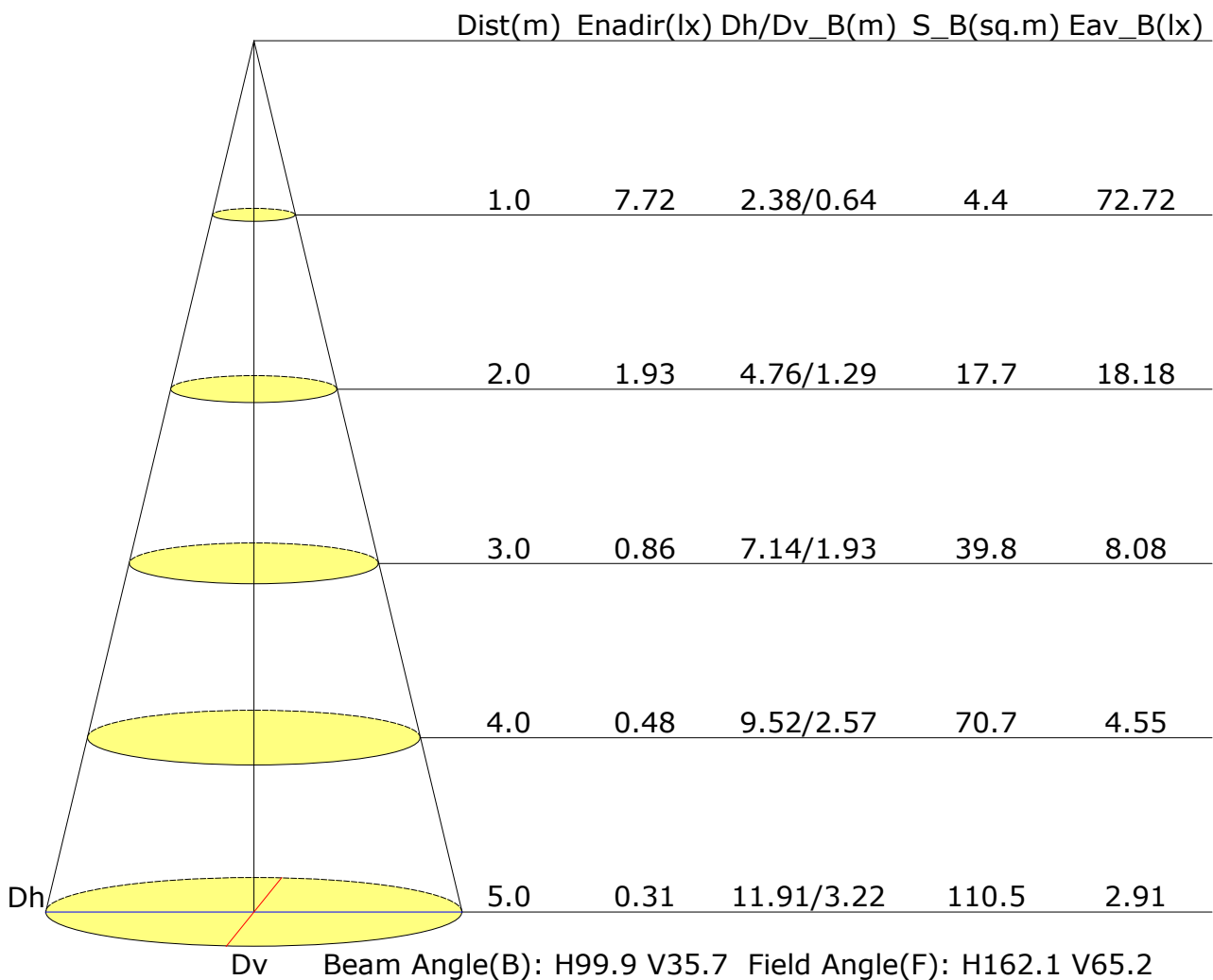


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1046	863	705	568	446	335	233	144	81
C90	7	5	4	4	4	4	5	6	8
C180	1140	950	788	646	520	405	301	204	120
C270	13	10	8	7	5	5	5	6	8

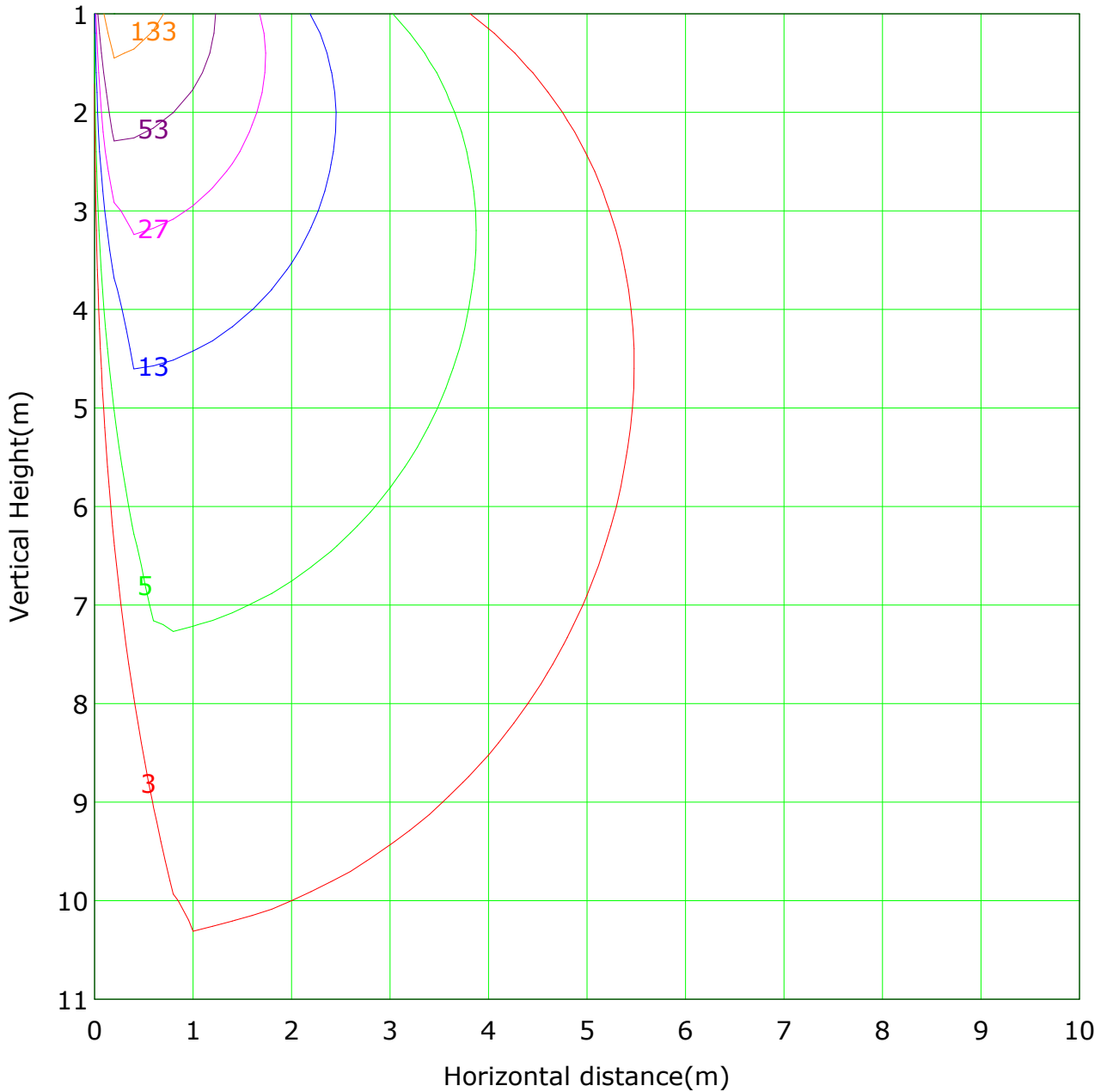
C Plane (°):0.0-360.0: 15.0
Test Lab: Alloy
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:5.0
Test Device:
Distance:
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 265.8 lx
— (1%): 2.7 lx	— (2%): 5.3 lx	
— (5%): 13.3 lx	— (10%): 26.6 lx	
— (20%): 53.2 lx	— (50%): 132.9 lx	
— (100%): 265.8 lx		

C Plane (°):0.0-360.0: 15.0
 Test Lab: Alloy
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:5.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	262	34.0
	FL (0°-30°)	75	9.7
	FM (30°-60°)	131	17.0
	FH (60°-80°)	49	6.3
	FVH (80°-90°)	8	1.0
	BACK LIGHT	263	34.2
	BL (0°-30°)	75	9.7
	BM (30°-60°)	132	17.1
	BH (60°-80°)	49	6.4
	BVH (80°-90°)	8	1.0
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	245	31.8

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U0 G0

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Test Device:

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