

Report No.:

Test Time: 2018-05-28 13:17

Luminaire Property

Luminaire Manufacturer: Direto de Rede 220v

Luminaire Description: 280518-POSTE OREOX2000 LED PANASONIC 3x10w 220V 900lm 3000K

Lamp Description: LED READLYNE COB 10w 220v 900lm 3000K (PANASONIC)

Number of Lamps: 3

Lumens per Lamp: 900lm

Luminous Length (mm): 3"

Luminous Width (mm): 3"

Luminous Height (mm): 900

Power: 0,122w

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2700.0 lm

Measurement Flux: 1380.8 lm

Efficiency: 51.14%

Downward Ratio: 51.14%

Upward Ratio: 0.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.4, 99.3, 158.5, 158.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 98.6, 65.5, 98.3, 97.3

Luminaire Efficacy Rating (LER): 1380.89

Central Intensity: 215.96 cd/klm

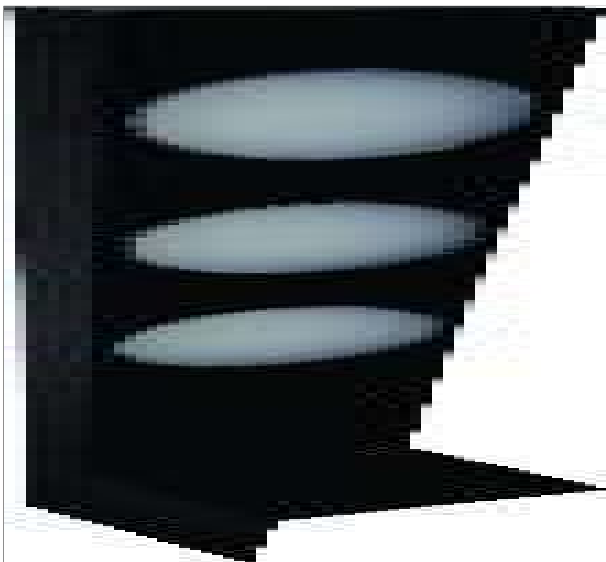
Max. Intensity: 218.53 cd/klm

Pos of Max. Intensity: H255 V10

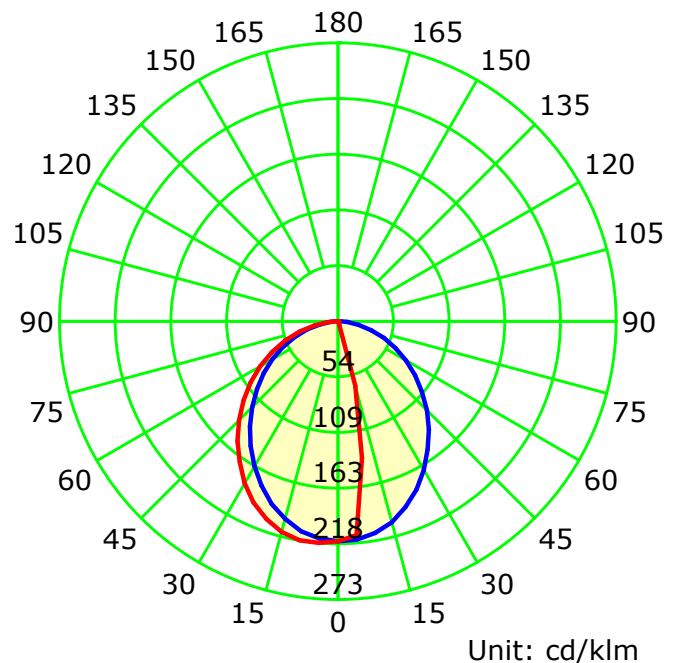
S/MH(C0/C180): 1.16

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

Gamma Plane (°):0.0-90.0:5.0

Test Lab: Alloy

Test Device:

Test Type: TYPE C

Distance:

Temperature:

Humidity:

Operator:

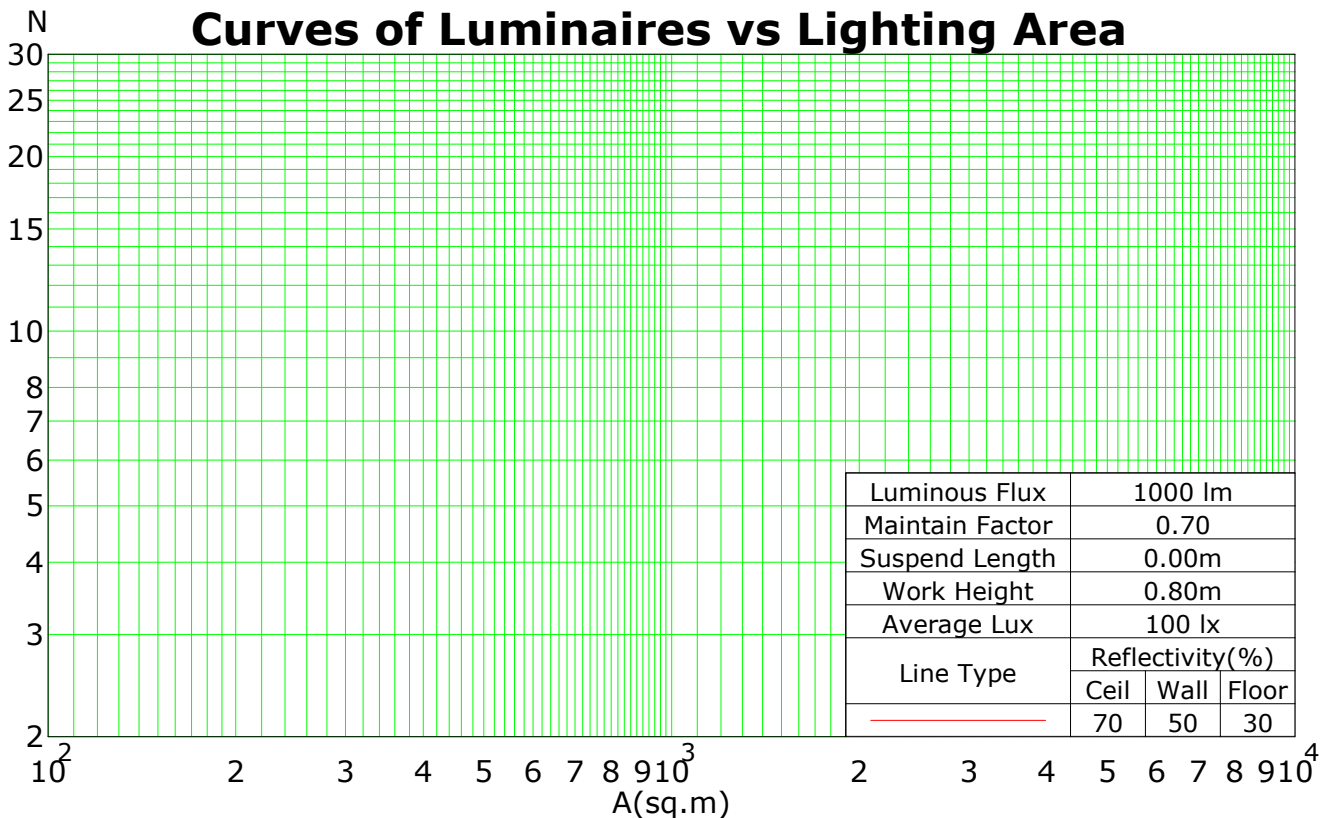
Inspector:

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	61	61	61	61	59	59	59	59	57	57	57	54	54	54	52	52	52	51
1	56	53	51	49	54	52	50	48	50	48	47	48	47	45	46	45	44	43
2	51	47	43	40	49	46	42	40	44	41	39	42	40	38	41	39	37	36
3	46	41	37	34	45	40	36	33	39	35	33	37	35	32	36	34	32	31
4	43	37	32	29	41	36	32	29	35	31	28	33	30	28	32	30	27	26
5	39	33	28	25	38	32	28	25	31	27	24	30	27	24	29	26	24	23
6	36	30	25	22	35	29	25	22	28	24	22	27	24	21	27	24	21	20
7	34	27	23	19	33	27	22	19	26	22	19	25	22	19	24	21	19	18
8	31	25	20	17	31	24	20	17	24	20	17	23	20	17	22	19	17	16
9	29	23	19	16	29	22	18	16	22	18	16	21	18	16	21	18	15	15
10	28	21	17	14	27	21	17	14	20	17	14	20	16	14	19	16	14	13

Spacing Criteria (0-180): 1.16
 Spacing Criteria (90-270): 0.62
 Spacing Criteria (Diagonal): 1.27

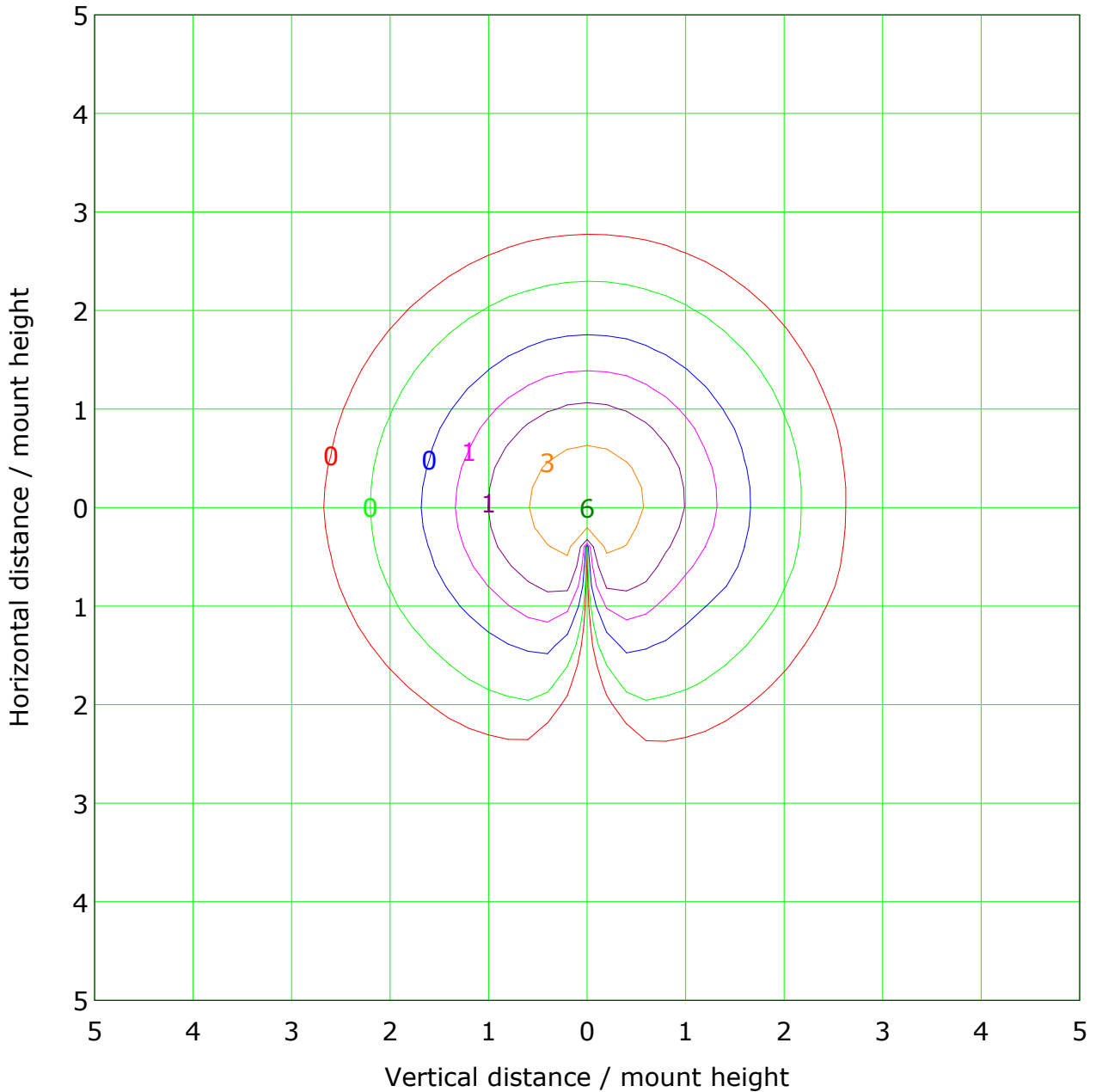
Curves of Luminaires vs Lighting Area



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%): 5.8 lx

— (1%): 0.1 lx	— (2%): 0.1 lx
— (5%): 0.3 lx	— (10%): 0.6 lx
— (20%): 1.2 lx	— (50%): 2.9 lx
— (100%): 5.8 lx	

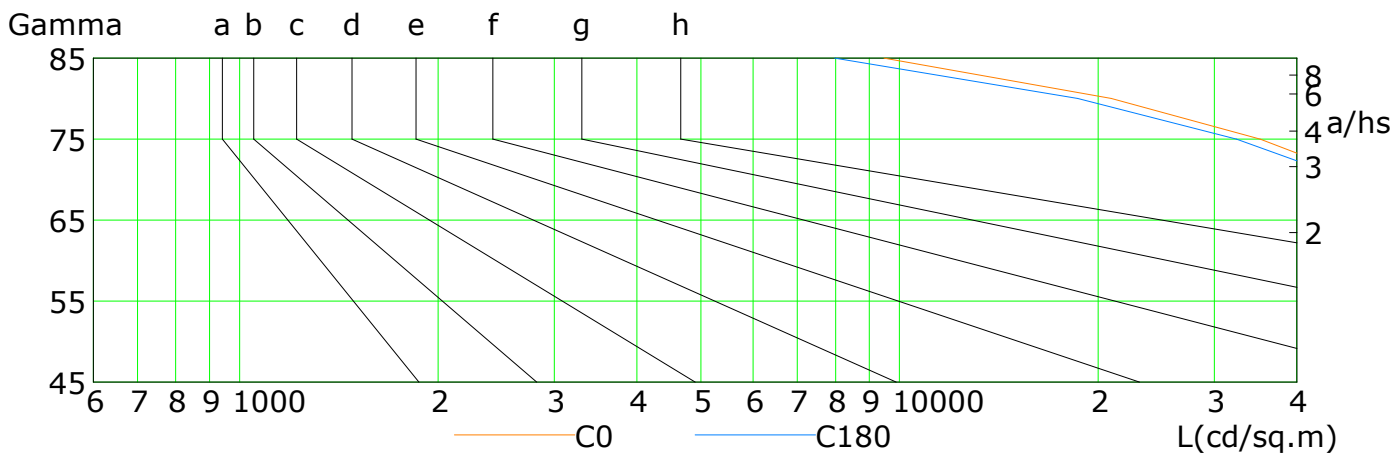
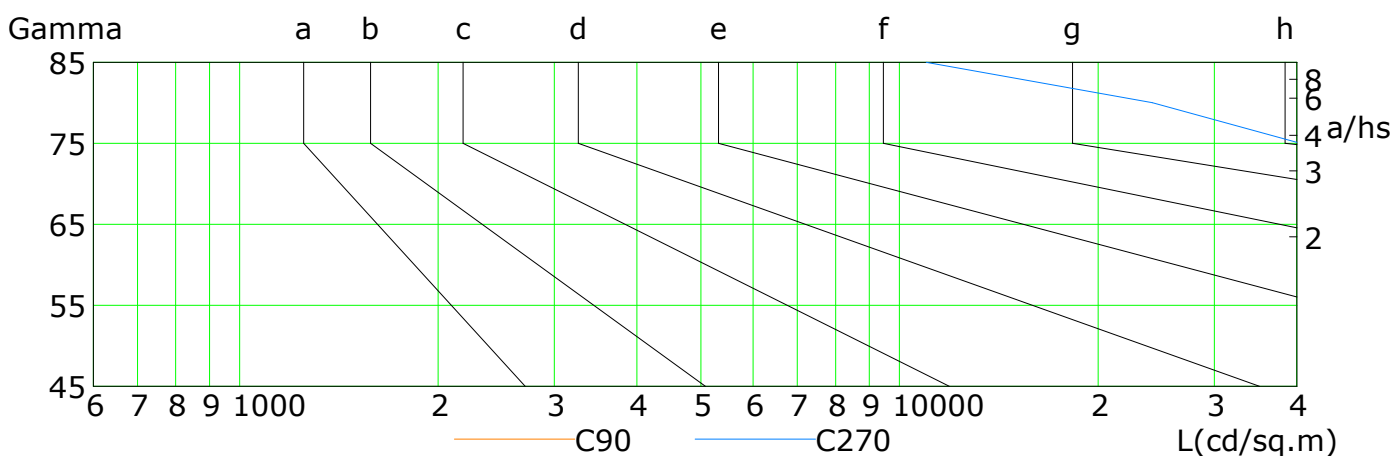
C Plane (°):0.0-360.0: 15.0
Test Lab: Alloy
Test Type: TYPE C
Temperature:
Operator:

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

Lum Limit Curve

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	174122	140248	112866	89206	68972	51156	35187	20947	9470
C90	158	146	141	155	140	163	174	265	352
C180	168014	135393	108558	85339	65765	48113	32398	18628	7976
C270	193567	157532	127472	101743	78881	58900	40506	24159	10974

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

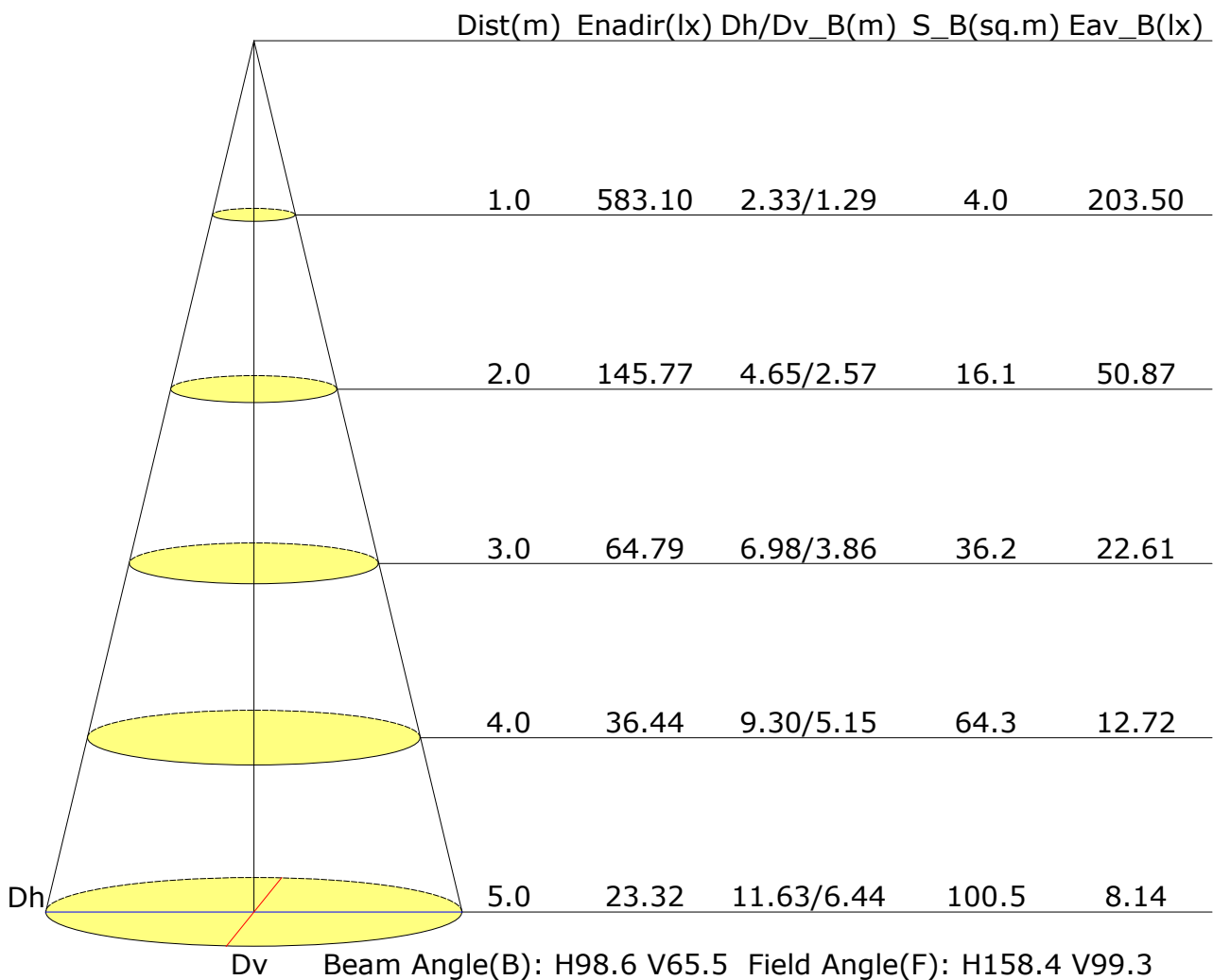
Test Device:

Distance:

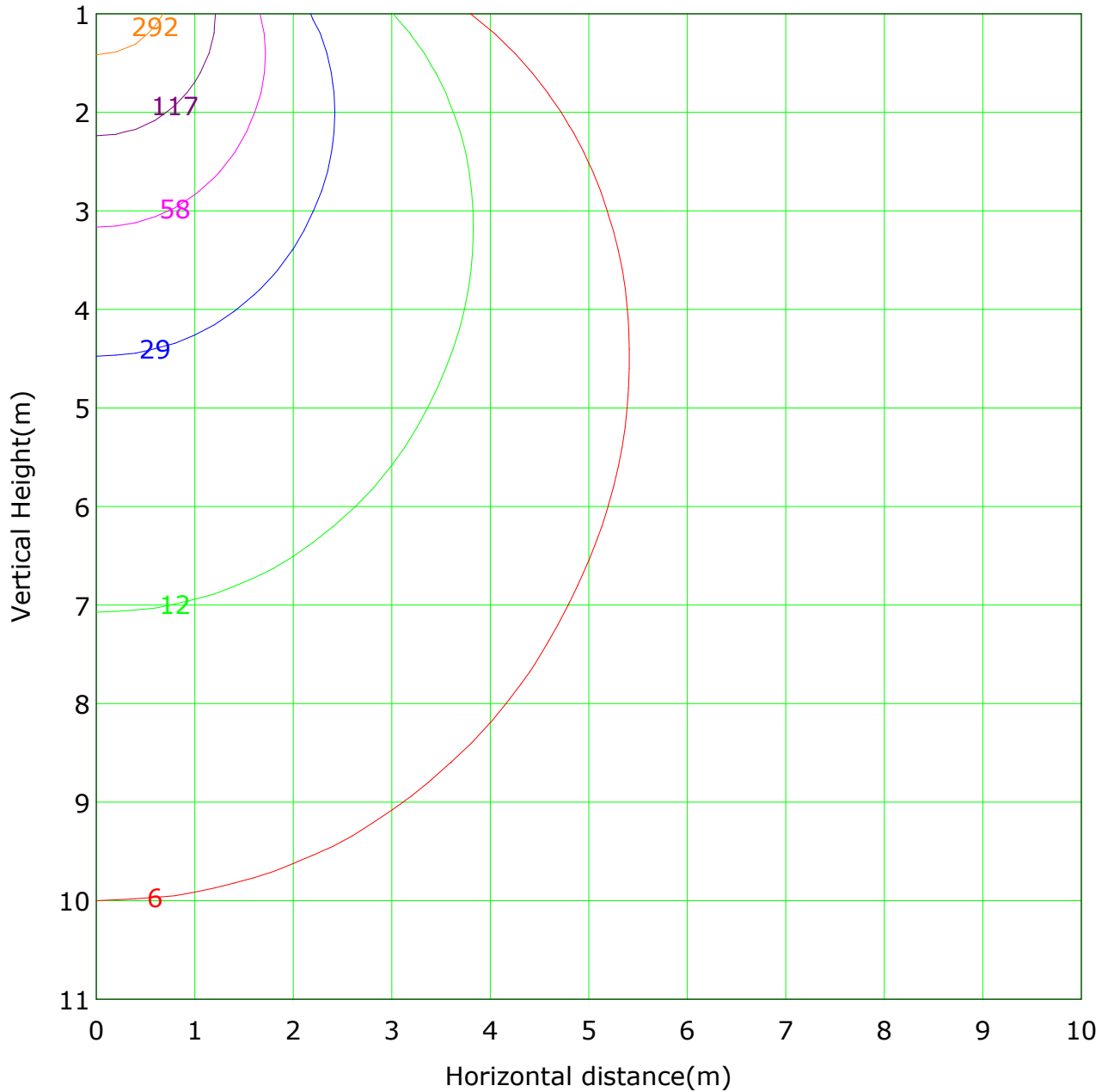
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

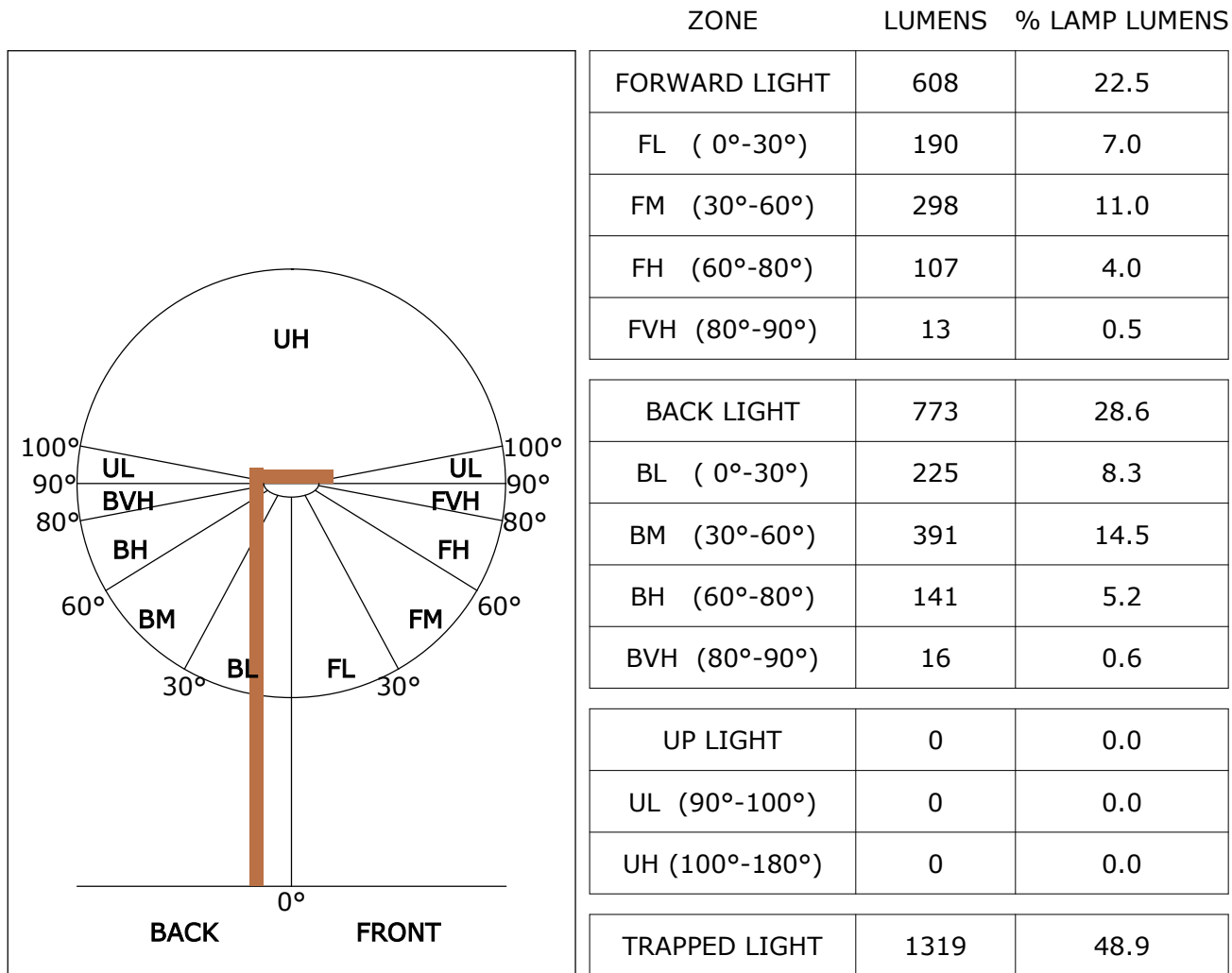


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 583.1 lx
— (1%): 5.8 lx	— (2%): 11.7 lx	
— (5%): 29.2 lx	— (10%): 58.3 lx	
— (20%): 116.6 lx	— (50%): 291.5 lx	
— (100%): 583.1 lx		

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



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

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: