

Report No.:

Test Time: 2019-04-26 16:29

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 250419-POSTE OREO 4X LED 40W

Lamp Catalog: DIRETO DE REDE

Lumens per Lamp: 3600

Luminous Width (mm): -

Voltage: 227.4 V

Power: 37.99 W

Number of Lamps: 1

Luminous Length (mm): -

Luminous Height (mm): -45

Current: 0.168 A

Power Factor: 0.994

## Photometric Results

CIE Class: Direct

Measurement Flux: 1934.5 lm

Downward Ratio: 53.74%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.5, 143.0, 158.6, 158.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 99.8, 95.6, 100.3, 99.6

Luminaire Efficacy Rating (LER): 50.97

Max. Intensity: 218.16 cd/klm

S/MH(C0/C180): 1.16

Total Rated Lamp Lumens: 3600.0 lm

Efficiency: 53.74%

Upward Ratio: 0.00%

Central Intensity: 215.74 cd/klm

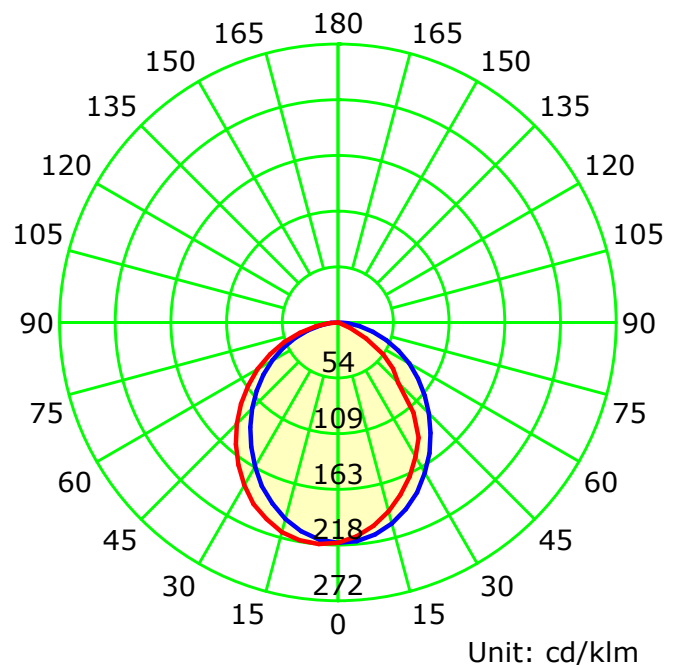
Pos of Max. Intensity: H285 V5

S/MH(C90/C270): 1.17

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: 26°

Operator: FELIPE

Gamma Plane (°):0.0-90.0:5.0

Test Device: LSG-1700B

Distance: 6.549 m

Humidity: 60%

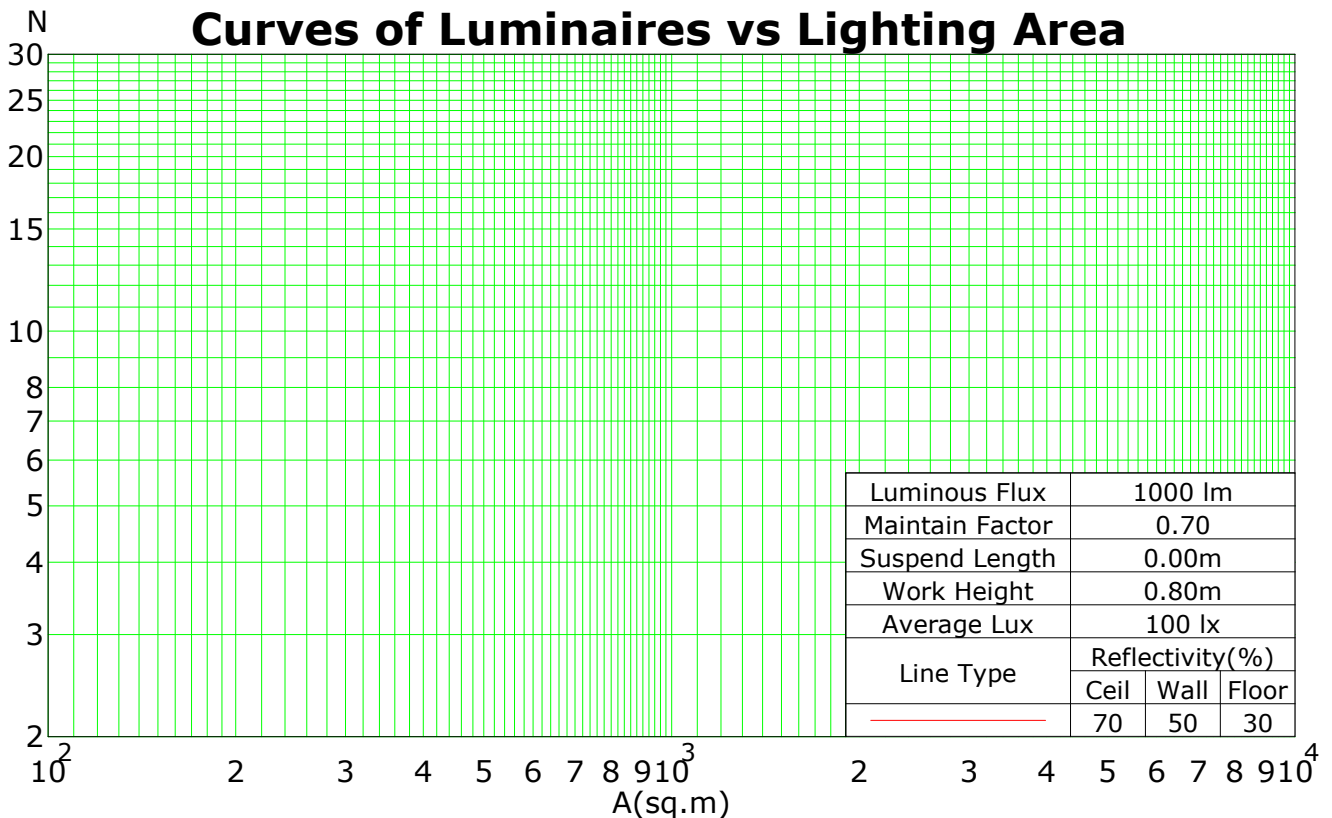
Inspector:

## 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	64	64	64	64	62	62	62	62	60	60	60	57	57	57	55	55	55	54
1	59	56	54	52	57	55	53	51	53	51	49	50	49	48	49	47	46	45
2	53	49	46	43	52	48	45	42	46	43	41	44	42	40	43	41	39	38
3	49	43	39	36	48	42	38	35	41	37	35	39	36	34	38	36	33	32
4	45	38	34	30	44	38	33	30	36	33	30	35	32	29	34	31	29	28
5	41	35	30	26	40	34	29	26	33	29	26	32	28	26	31	28	25	24
6	38	31	26	23	37	31	26	23	30	26	23	29	25	23	28	25	22	21
7	35	28	24	20	35	28	23	20	27	23	20	26	23	20	26	22	20	19
8	33	26	21	18	32	26	21	18	25	21	18	24	21	18	24	20	18	17
9	31	24	19	17	30	24	19	16	23	19	16	22	19	16	22	19	16	15
10	29	22	18	15	28	22	18	15	21	18	15	21	17	15	20	17	15	14

Spacing Criteria (0-180): 1.16  
 Spacing Criteria (90-270): 1.17  
 Spacing Criteria (Diagonal): 1.28

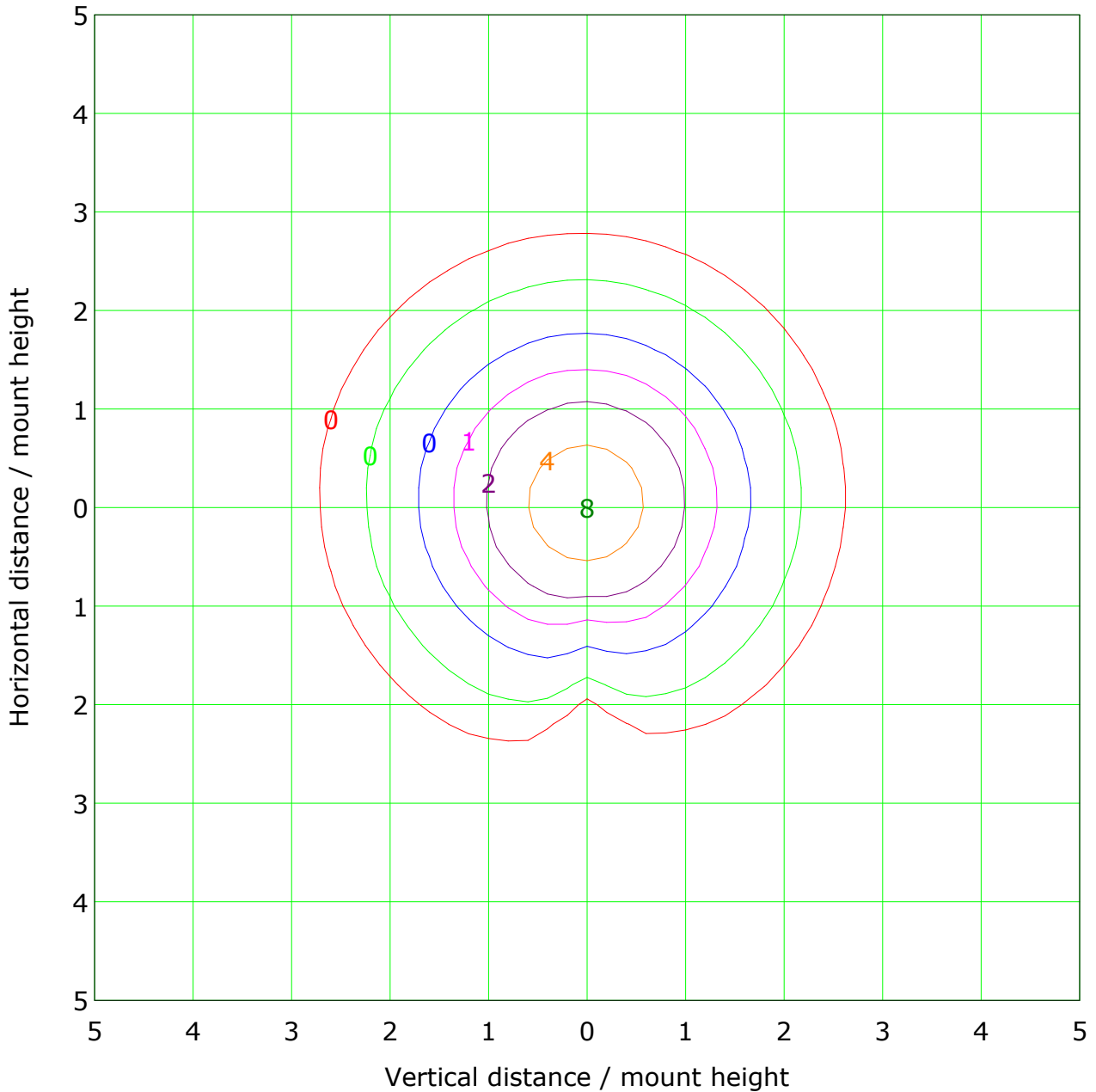
## Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 15.0  
 Test Lab: Alloy  
 Test Type: TYPE C  
 Temperature: 26°  
 Operator: FELIPE

Gamma Plane (°):0.0-90.0:5.0  
 Test Device: LSG-1700B  
 Distance: 6.549 m  
 Humidity: 60%  
 Inspector:

## IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 7.8 lx	
— ( 1%):	0.1 lx	— ( 2%):	0.2 lx
— ( 5%):	0.4 lx	— ( 10%):	0.8 lx
— ( 20%):	1.6 lx	— ( 50%):	3.9 lx
— (100%):	7.8 lx		

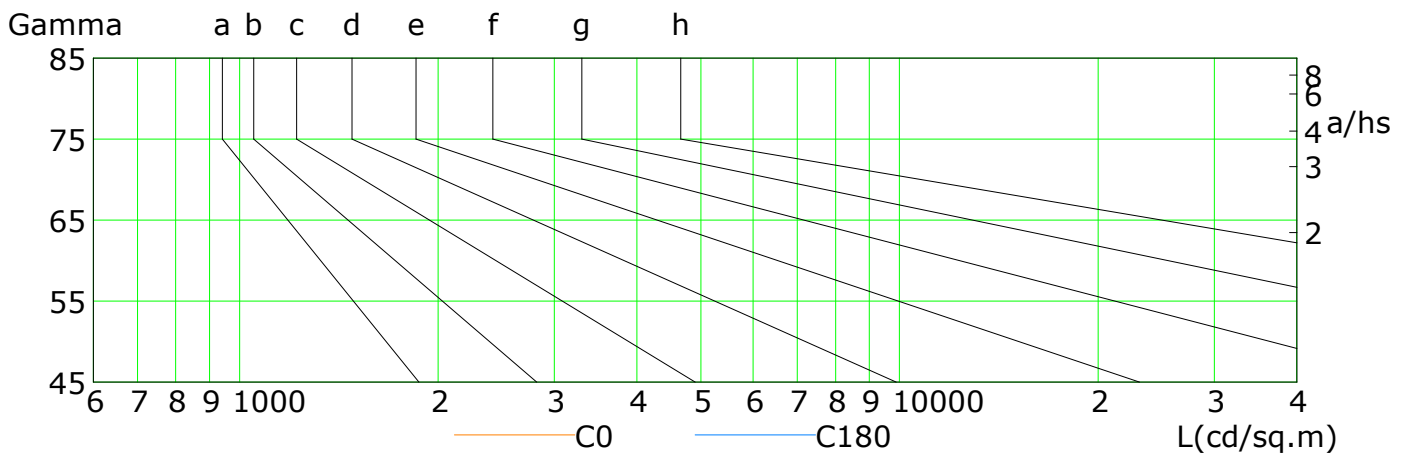
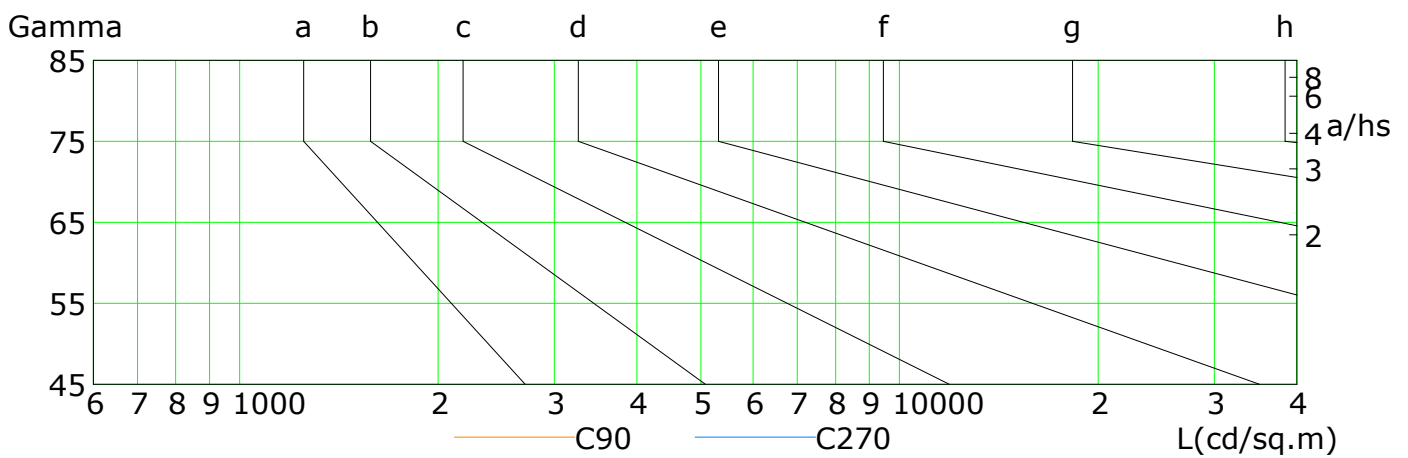
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Test Type: TYPE C  
Temperature: 26°  
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Humidity: 60%  
Inspector:

## 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

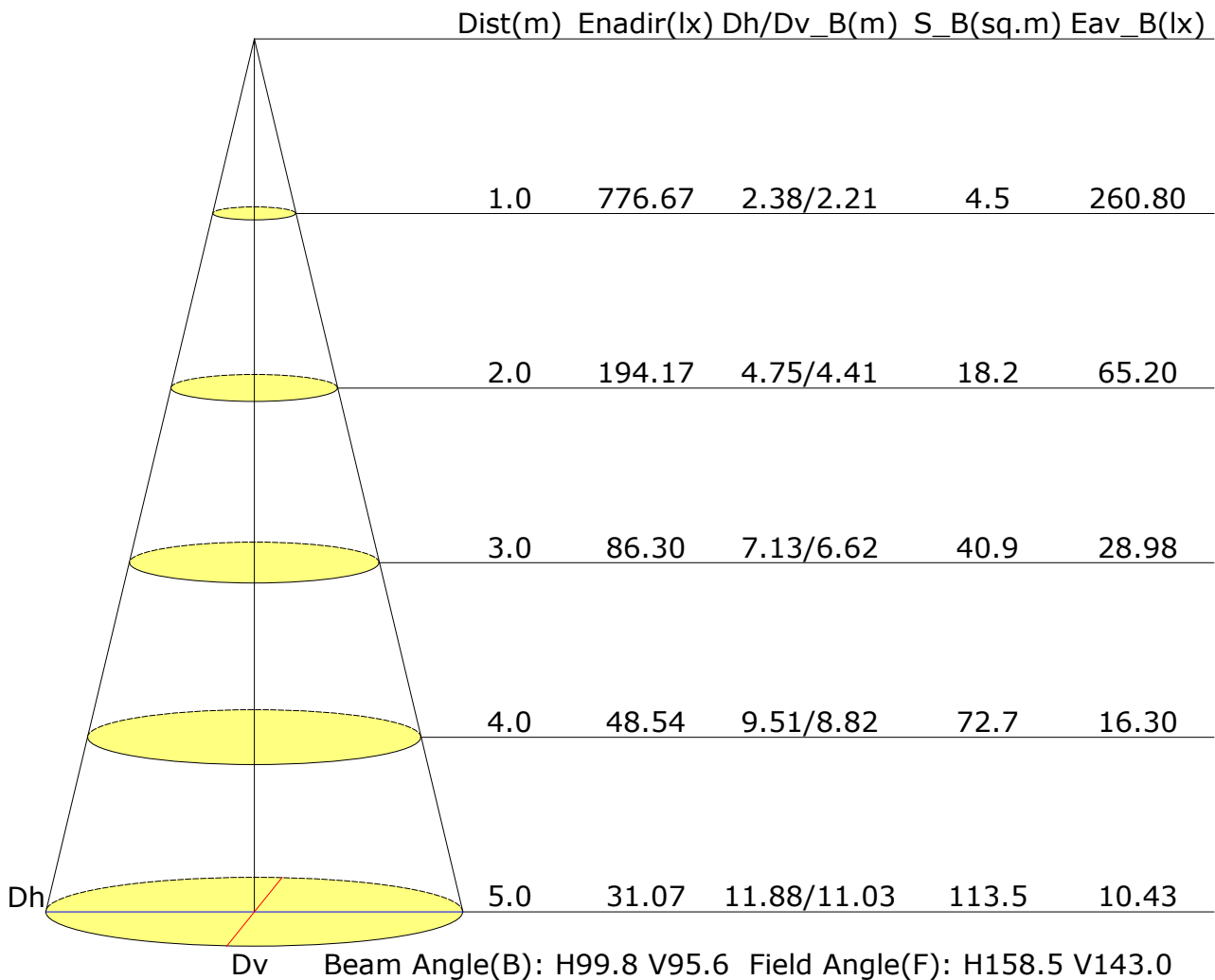


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	454	400	345	291	236	181	128	78	34
C90	301	254	195	115	48	1	1	1	1
C180	428	375	321	268	214	162	111	63	26
C270	505	448	387	327	265	203	140	81	32

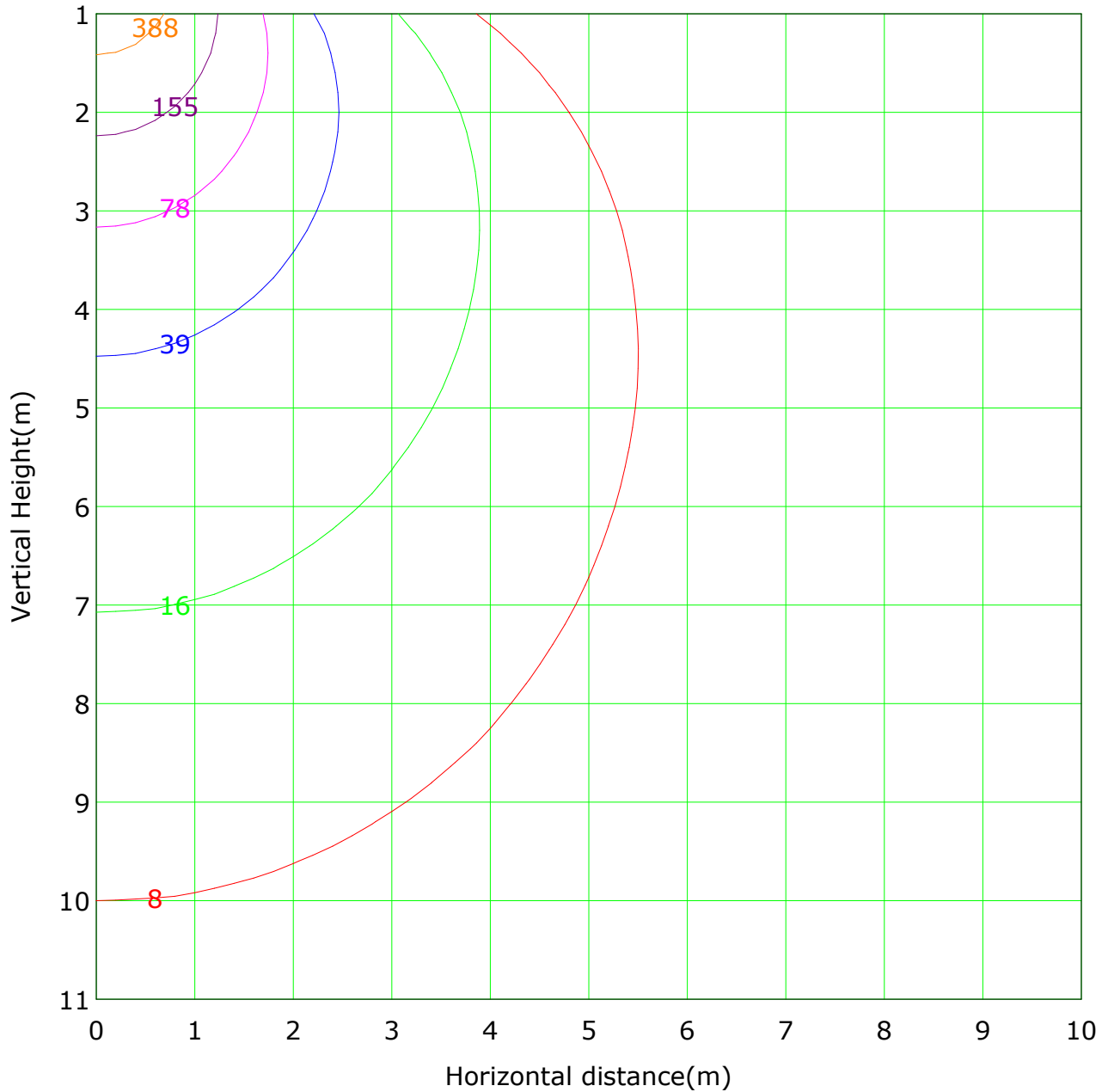
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Test Lab: Alloy  
Test Type: TYPE C  
Temperature: 26°  
Operator: FELIPE

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Test Device: LSG-1700B  
Distance: 6.549 m  
Humidity: 60%  
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## Illuminance at a Distance



## Vertical IsoLux Plot

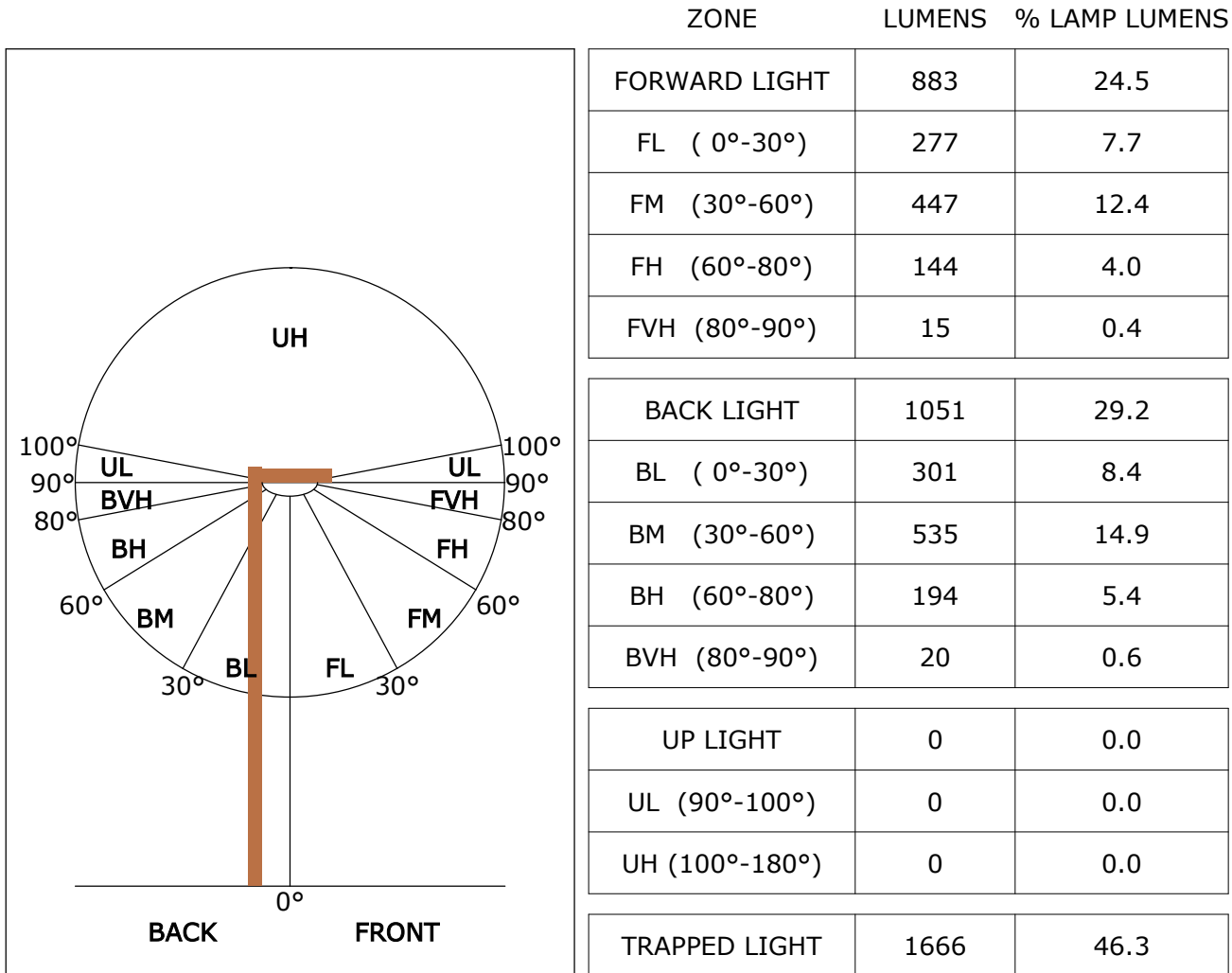


Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 776.7 lx
— ( 1%): 7.8 lx	— ( 2%): 15.5 lx	
— ( 5%): 38.8 lx	— ( 10%): 77.7 lx	
— ( 20%): 155.3 lx	— ( 50%): 388.3 lx	
— (100%): 776.7 lx		

C Plane (°):0.0-360.0: 15.0  
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Test Type: TYPE C  
Temperature: 26°  
Operator: FELIPE

Gamma Plane (°):0.0-90.0:5.0  
Test Device: LSG-1700B  
Distance: 6.549 m  
Humidity: 60%  
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

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