

Report No.:

Test Time: 2022/9/7 10:55

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -210

Luminous Height (mm):

Current: 1.978 A

Power Factor: 0.998

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -210

Voltage: 120.0 V

Power: 237.01 W

Photometric Results

CIE Class: Direct

Measurement Flux: 32183.8 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H124.9,H87.5

Vertical Diffuse Angle(10%,50%): V125.1,V88

Luminaire Efficacy Rating (LER): 135.84

Max. Intensity: 16280.06 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 32183.8 lm

Efficiency: 100%

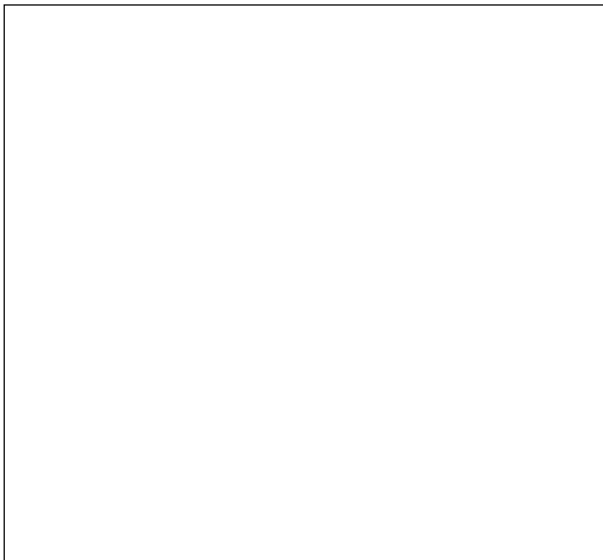
Upward Ratio: 0%

C0r0 Intensity: 16242.7 cd

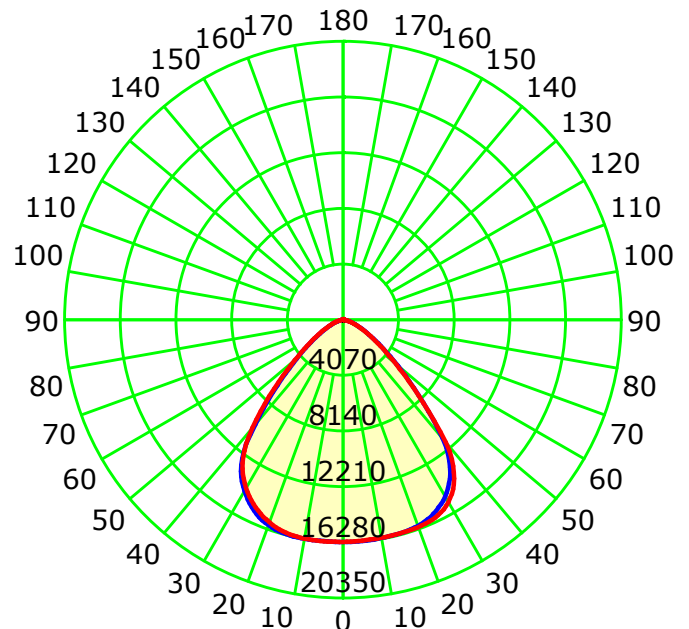
Pos of Max. Intensity: H292.5 V6

S/MH(C90/C270): 1.32

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 87.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.0 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.140 m [K=1.0000]

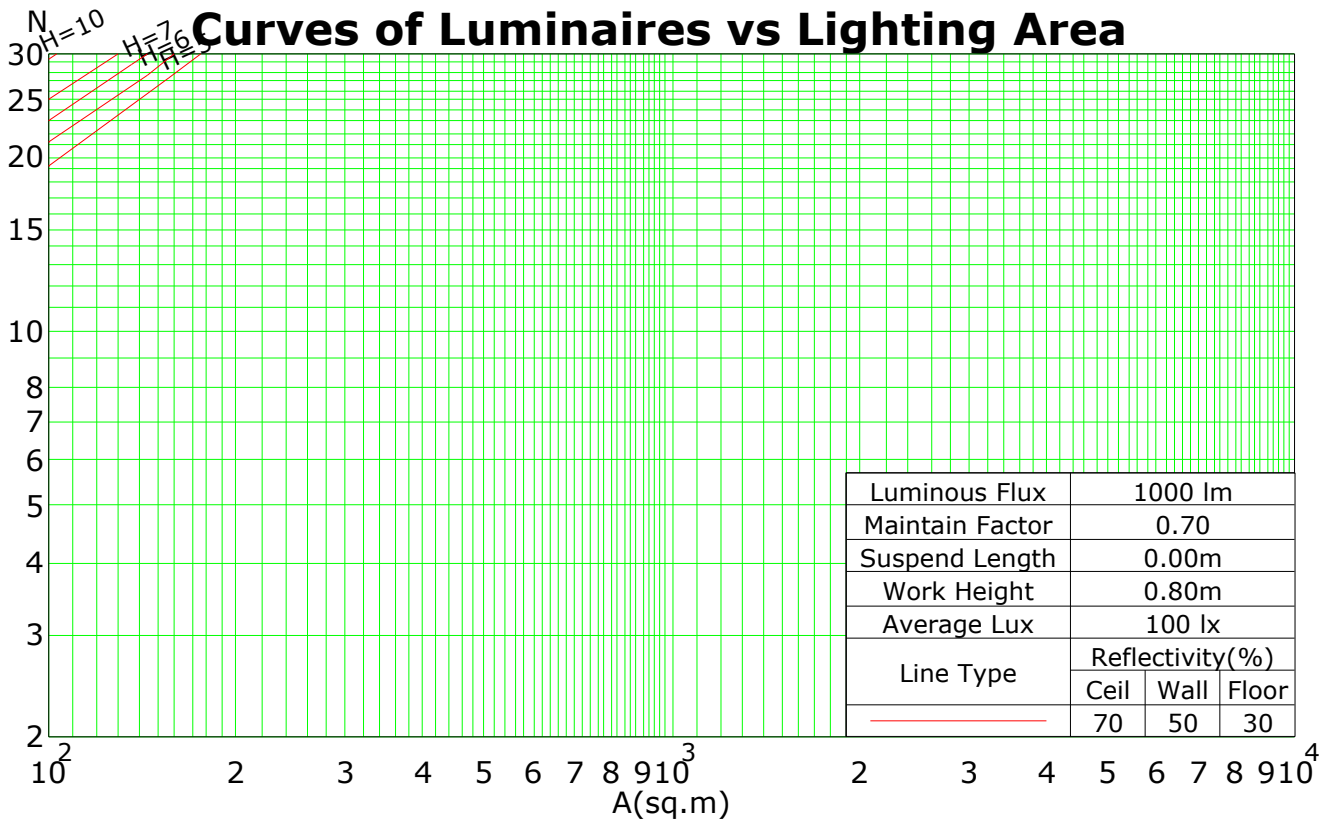
Humidity:

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
RCCR	RF = 0.2																	
0	1.19	1.19	1.19	1.19	1.16	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	1.12	1.08	1.05	1.02	1.09	1.06	1.03	1.00	1.02	0.99	0.97	0.98	0.96	0.94	0.94	0.93	0.91	0.89
2	1.04	0.97	0.92	0.88	1.01	0.96	0.91	0.87	0.92	0.88	0.85	0.89	0.86	0.83	0.86	0.83	0.81	0.79
3	0.96	0.88	0.82	0.76	0.94	0.87	0.81	0.76	0.84	0.79	0.74	0.81	0.77	0.73	0.79	0.75	0.72	0.70
4	0.90	0.80	0.73	0.67	0.88	0.79	0.72	0.67	0.76	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.62
5	0.84	0.73	0.65	0.60	0.82	0.72	0.65	0.59	0.70	0.64	0.59	0.68	0.62	0.58	0.66	0.61	0.58	0.56
6	0.78	0.67	0.59	0.53	0.76	0.66	0.58	0.53	0.64	0.58	0.53	0.62	0.57	0.52	0.61	0.56	0.52	0.50
7	0.73	0.61	0.53	0.48	0.71	0.60	0.53	0.48	0.59	0.52	0.48	0.57	0.52	0.47	0.56	0.51	0.47	0.45
8	0.68	0.56	0.49	0.44	0.67	0.56	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.41
9	0.64	0.52	0.45	0.40	0.63	0.51	0.44	0.40	0.50	0.44	0.39	0.49	0.43	0.39	0.48	0.43	0.39	0.37
10	0.60	0.48	0.41	0.36	0.59	0.48	0.41	0.36	0.47	0.40	0.36	0.46	0.40	0.36	0.45	0.40	0.36	0.34

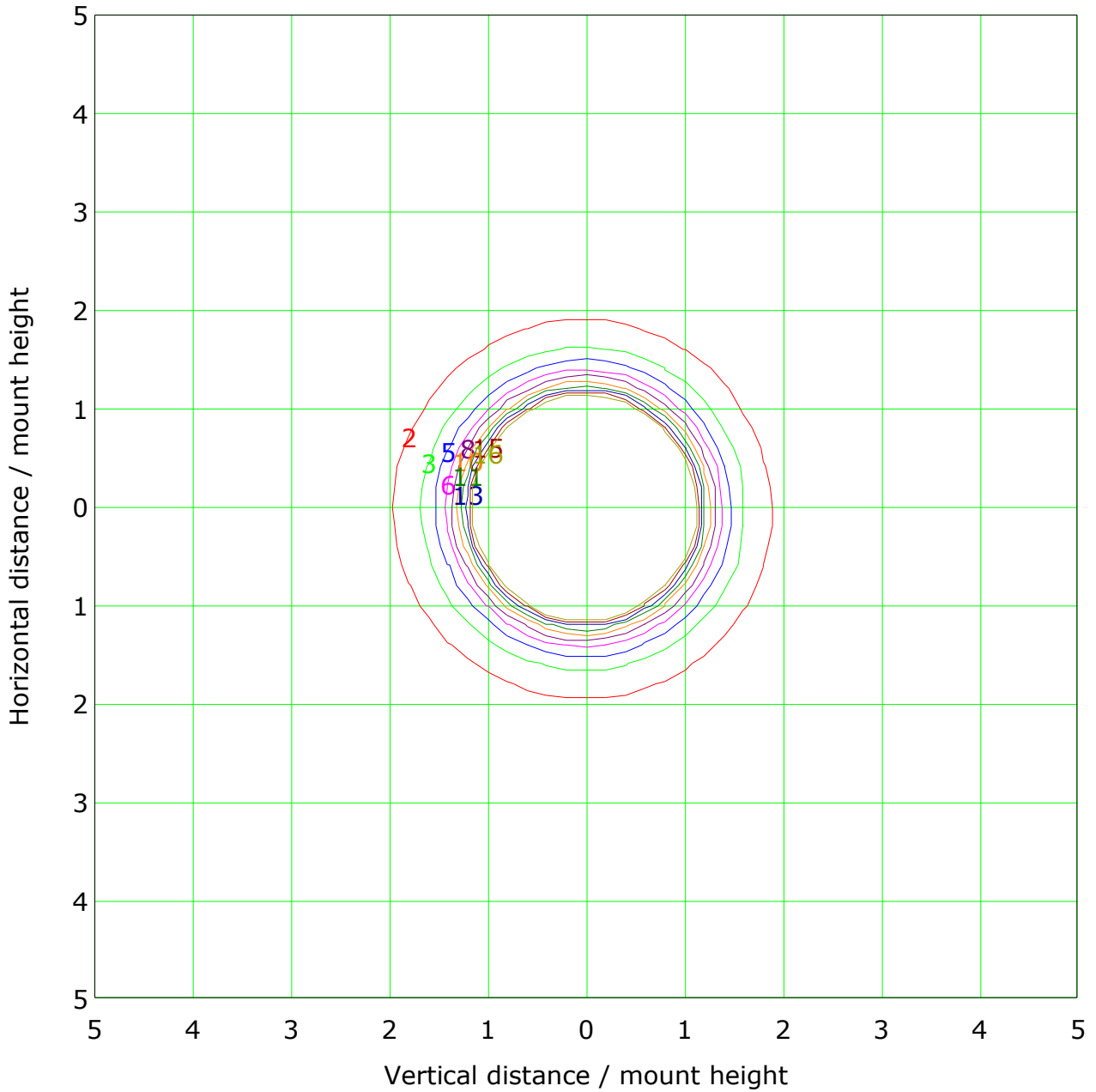
Spacing Criteria (0-180): 1.31
 Spacing Criteria (90-270): 1.32
 Spacing Criteria (Diagonal): 1.26



C Plane (°):0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.0 °C
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 14.140 m [K=1.0000]
 Humidity:
 Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 162.4 lx
<ul style="list-style-type: none"> — (1%): 1.6 lx — (3%): 4.9 lx — (5%): 8.1 lx — (7%): 11.4 lx — (9%): 14.6 lx 	<ul style="list-style-type: none"> — (2%): 3.2 lx — (4%): 6.5 lx — (6%): 9.7 lx — (8%): 13.0 lx — (10%): 16.2 lx 	

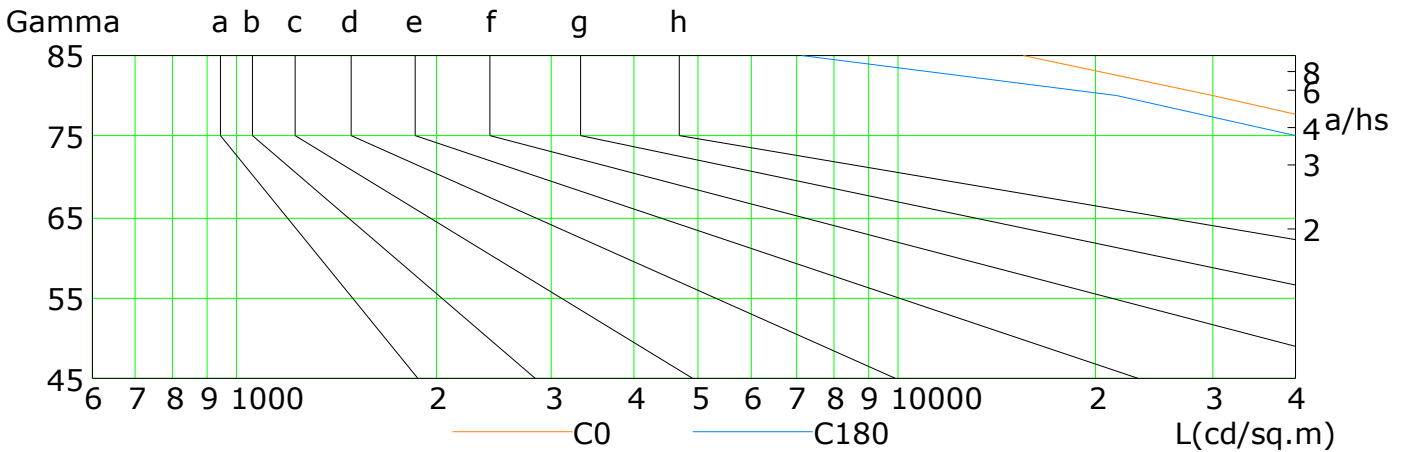
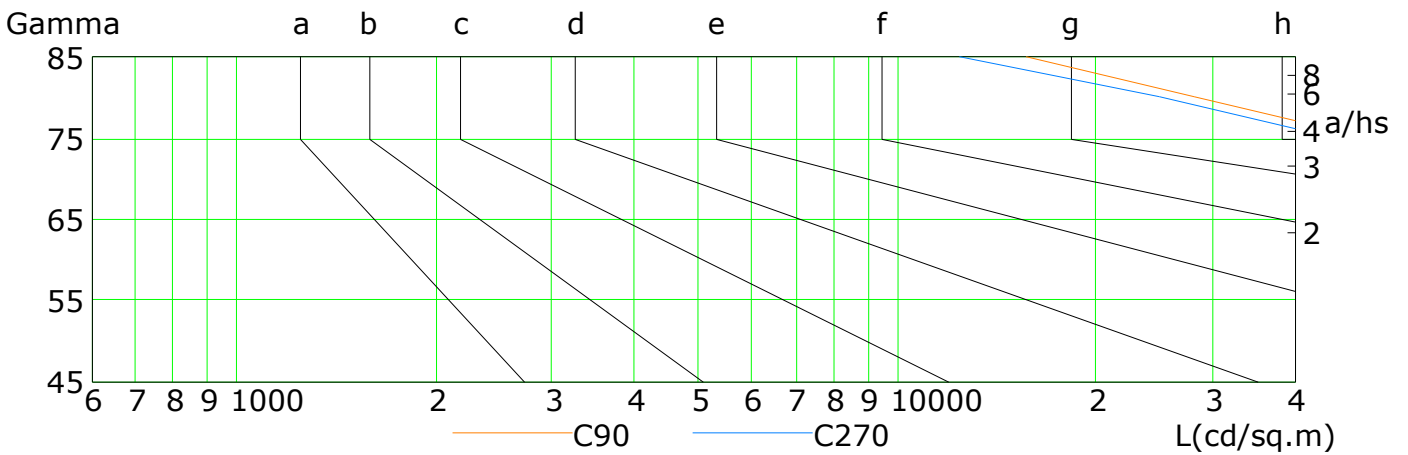
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 Inspector:

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

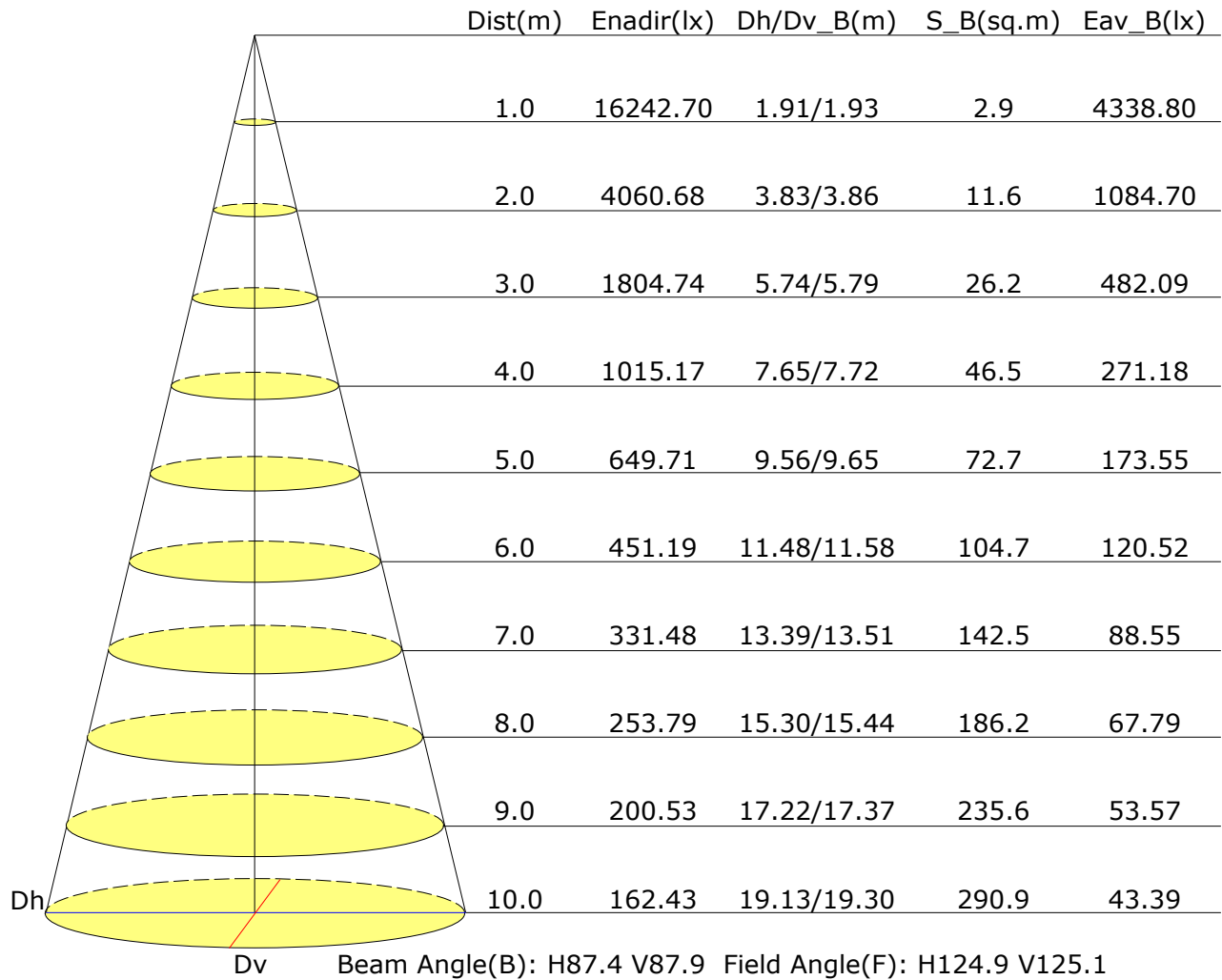


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	320709	235963	172052	127284	95317	72687	53906	30175	15469
C90	318500	229436	167088	124020	93473	70340	50690	28160	15658
C180	277737	201101	143864	107122	78642	59726	40765	21528	7147
C270	291291	207497	150235	112131	82807	63145	45457	25006	12454

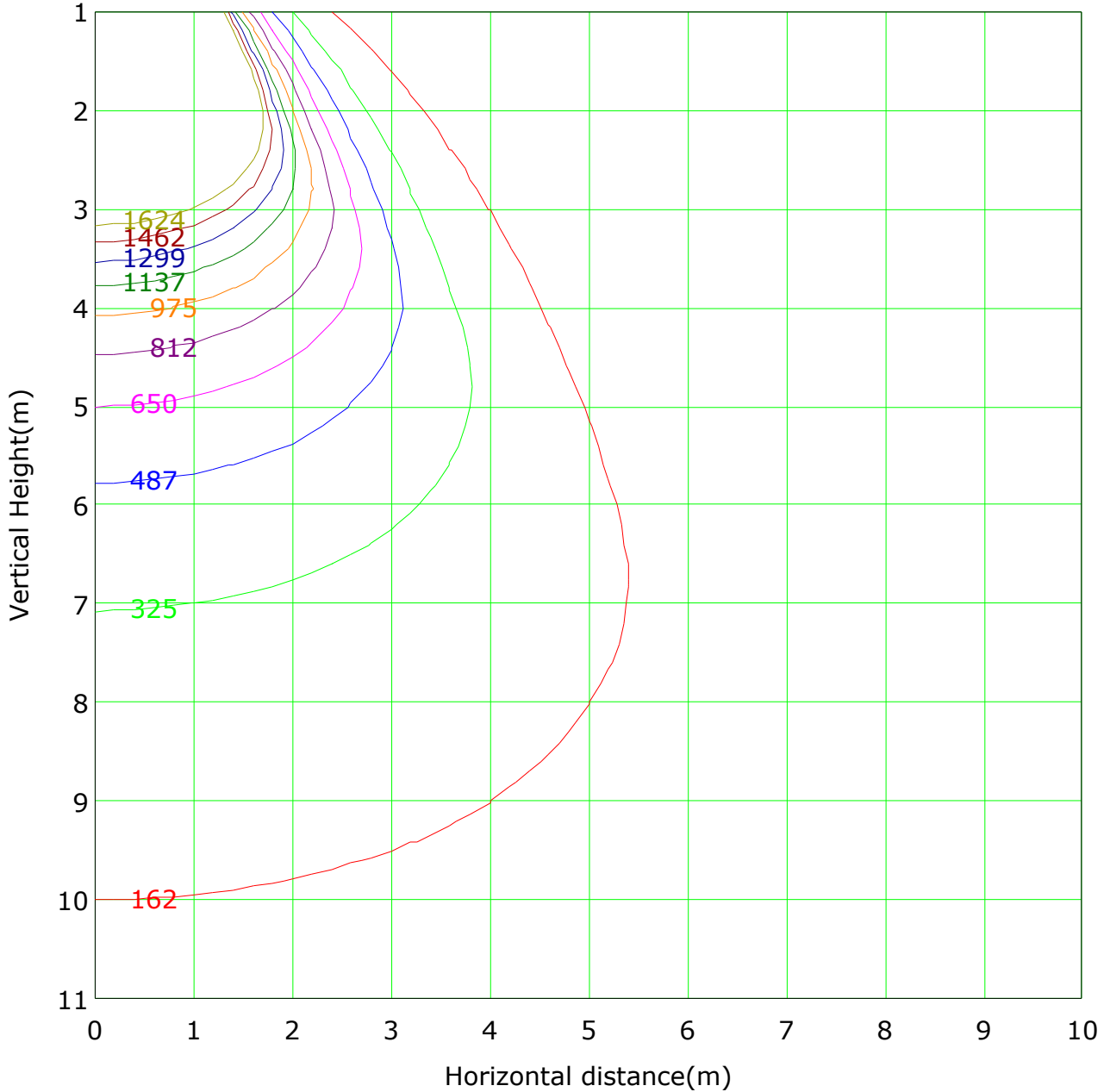
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Humidity:
Inspector:

Illuminance at a Distance

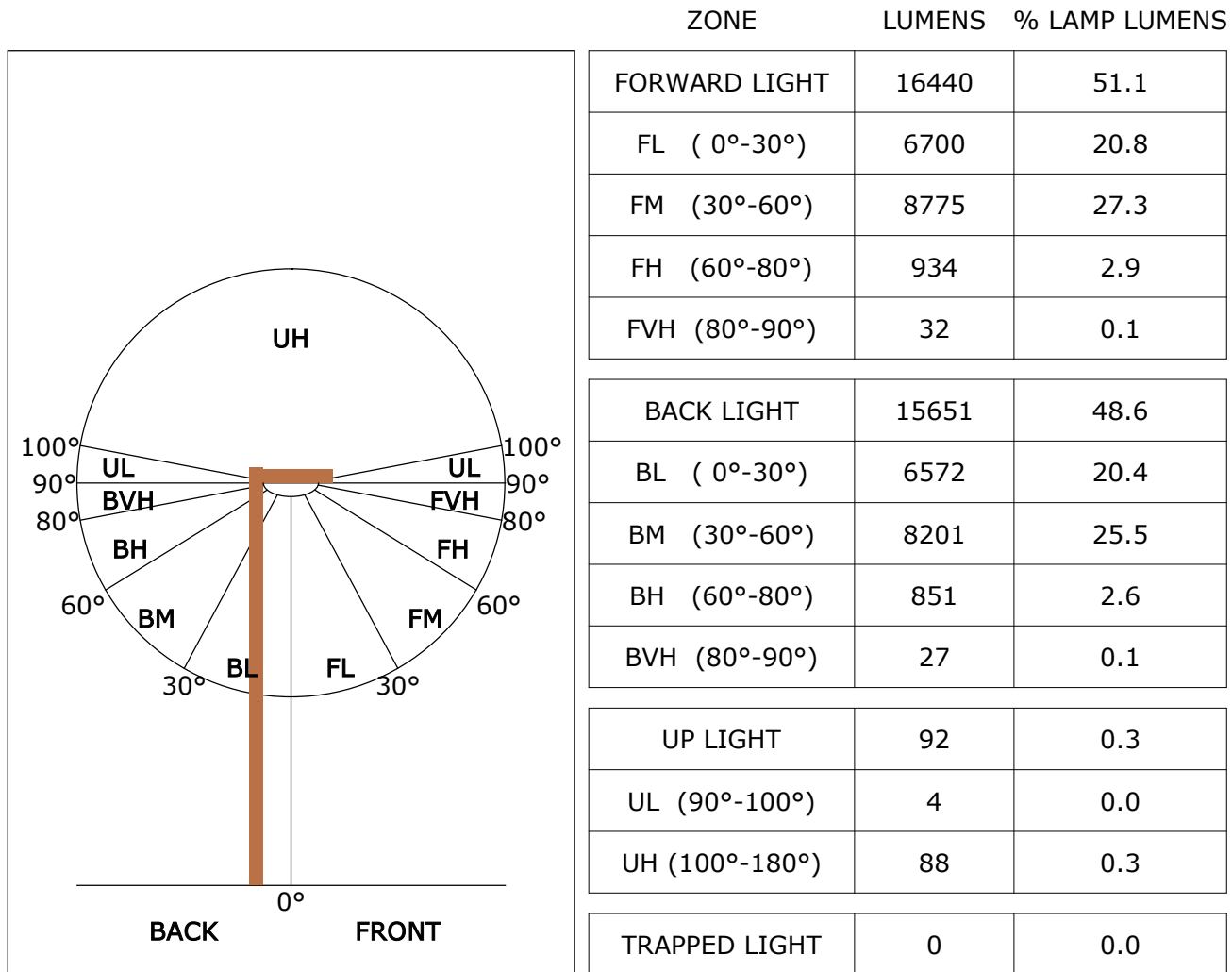


Vertical IsoLux Plot



Lowest(m): 1.0m		Highest(m): 11.0m		Max Lux: 16242.7 lx	
— (1%): 162.4 lx	— (2%): 324.9 lx	— (3%): 487.3 lx	— (4%): 649.7 lx	— (5%): 812.1 lx	— (6%): 974.6 lx
— (7%): 1137.0 lx	— (8%): 1299.4 lx	— (9%): 1461.8 lx	— (10%): 1624.3 lx		

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)	B5 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B5 U2 G1

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Test Type: TYPE C
Temperature: 25.0 °C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
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Humidity:
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