

Report No.:

Test Time: 2022-03-08 17:25

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: LED flood Light

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 260

Luminous Height (mm): 30

Current: 0.460 A

Power Factor: 0.985

Luminaire Description: 100W

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 200

Voltage: 219.8 V

Power: 99.67 W

## Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 11279.5 lm

Efficiency: 100%

Upward Ratio: 1%

C0r0 Intensity: 3973.79 cd

Pos of Max. Intensity: H90 V2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 116.4, 111.3, 114.3, 113.9

Longitudinal Classification: Very Short

Measurement Flux: 11279.5 lm

Downward Ratio: 99%

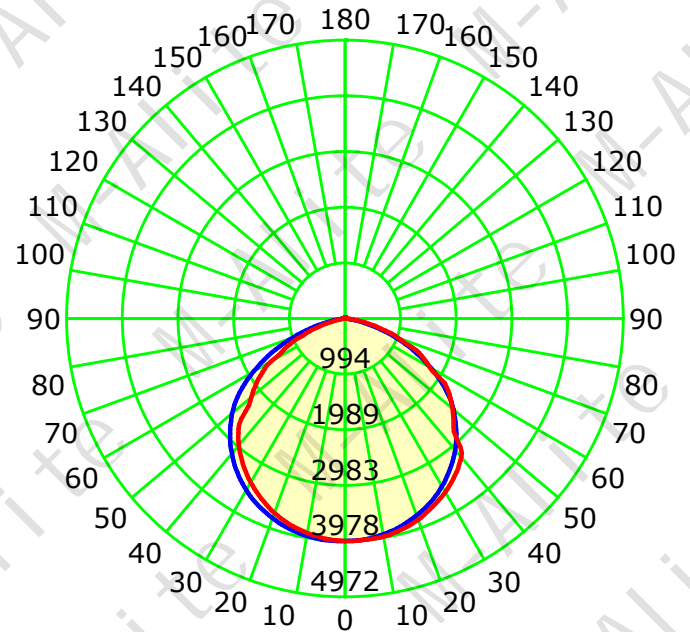
Luminaire Efficacy Rating (LER): 113.22

Max. Intensity: 3978.28 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: Jason

Gamma Plane (°):0.0-180.0:1.0

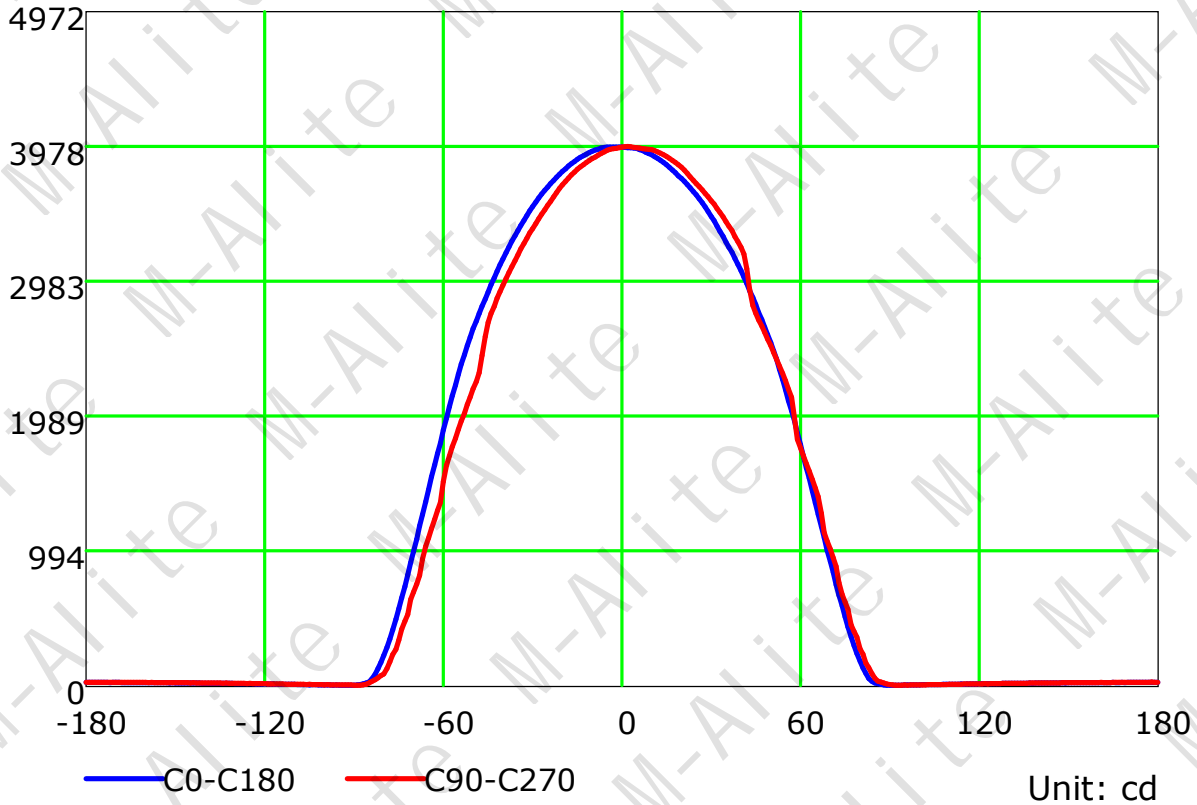
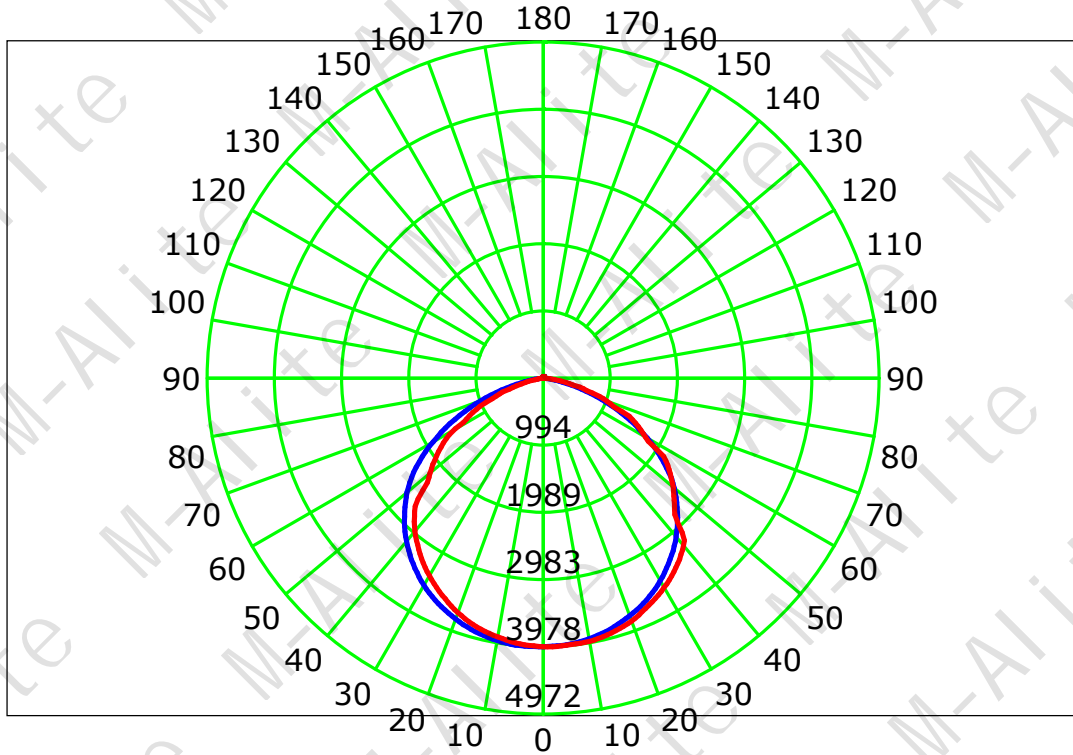
Test Device: GPM-1600L

Distance: 8.670 m [K=1.0000]

Humidity:

Inspector:

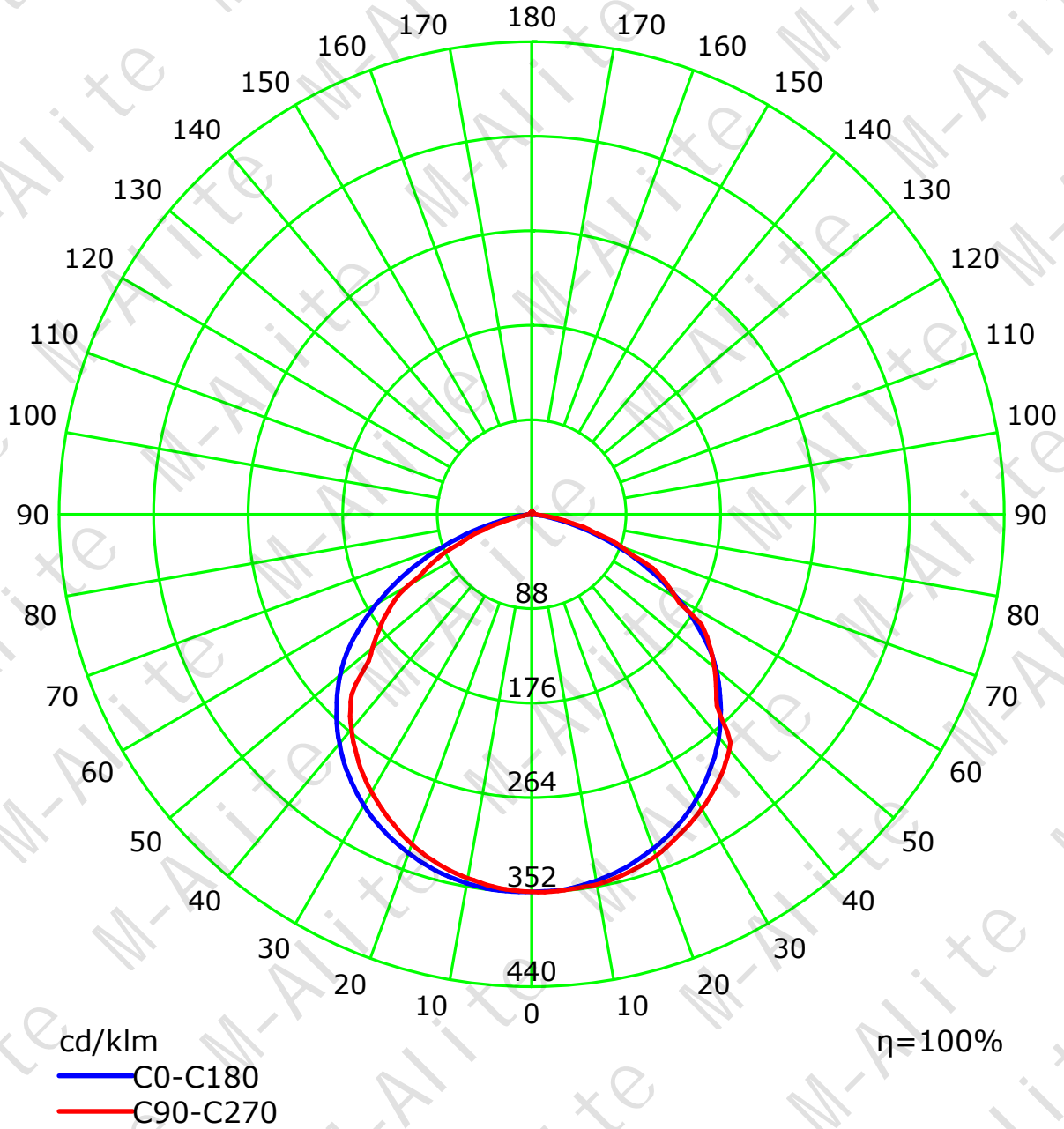
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

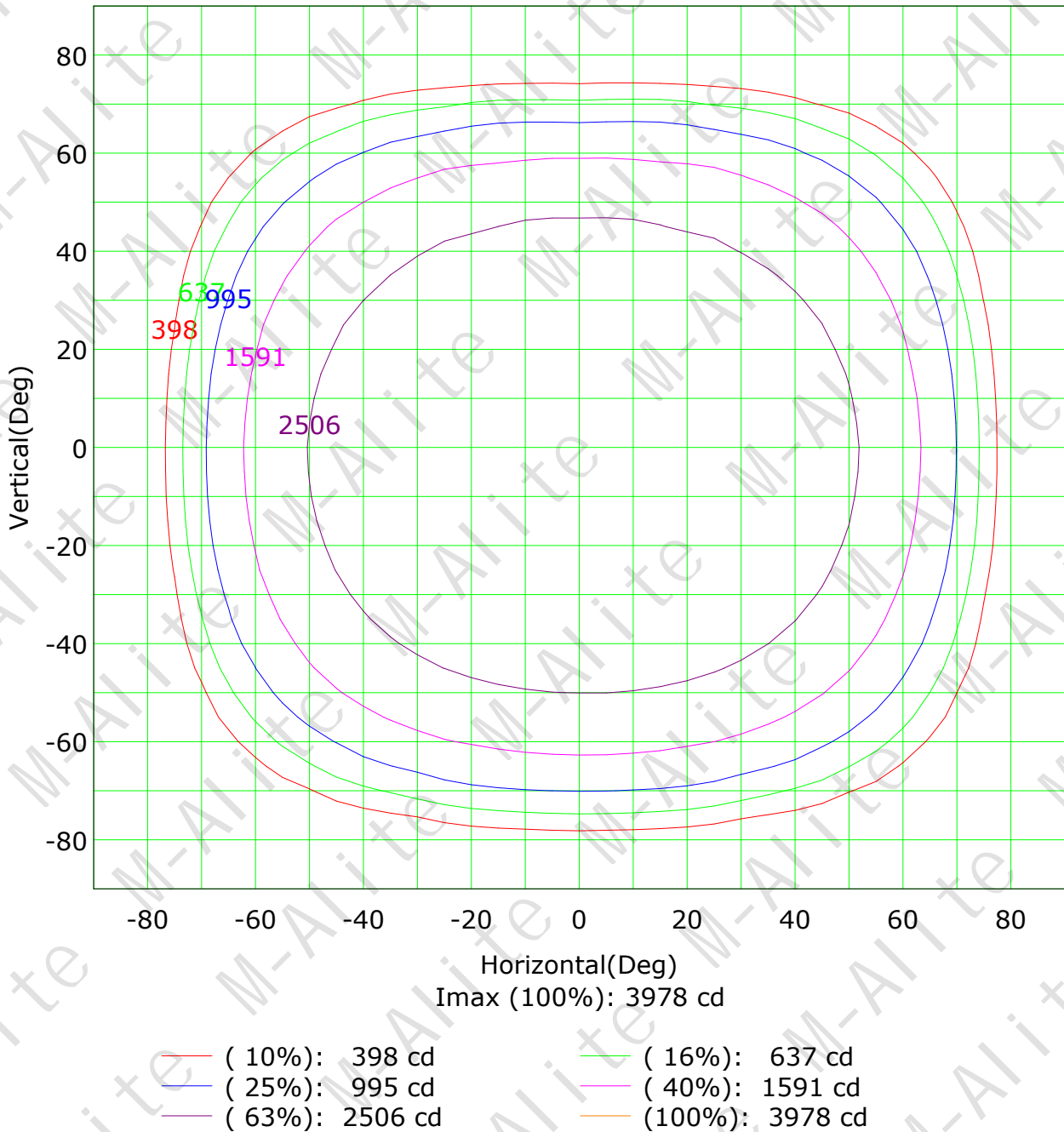
## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

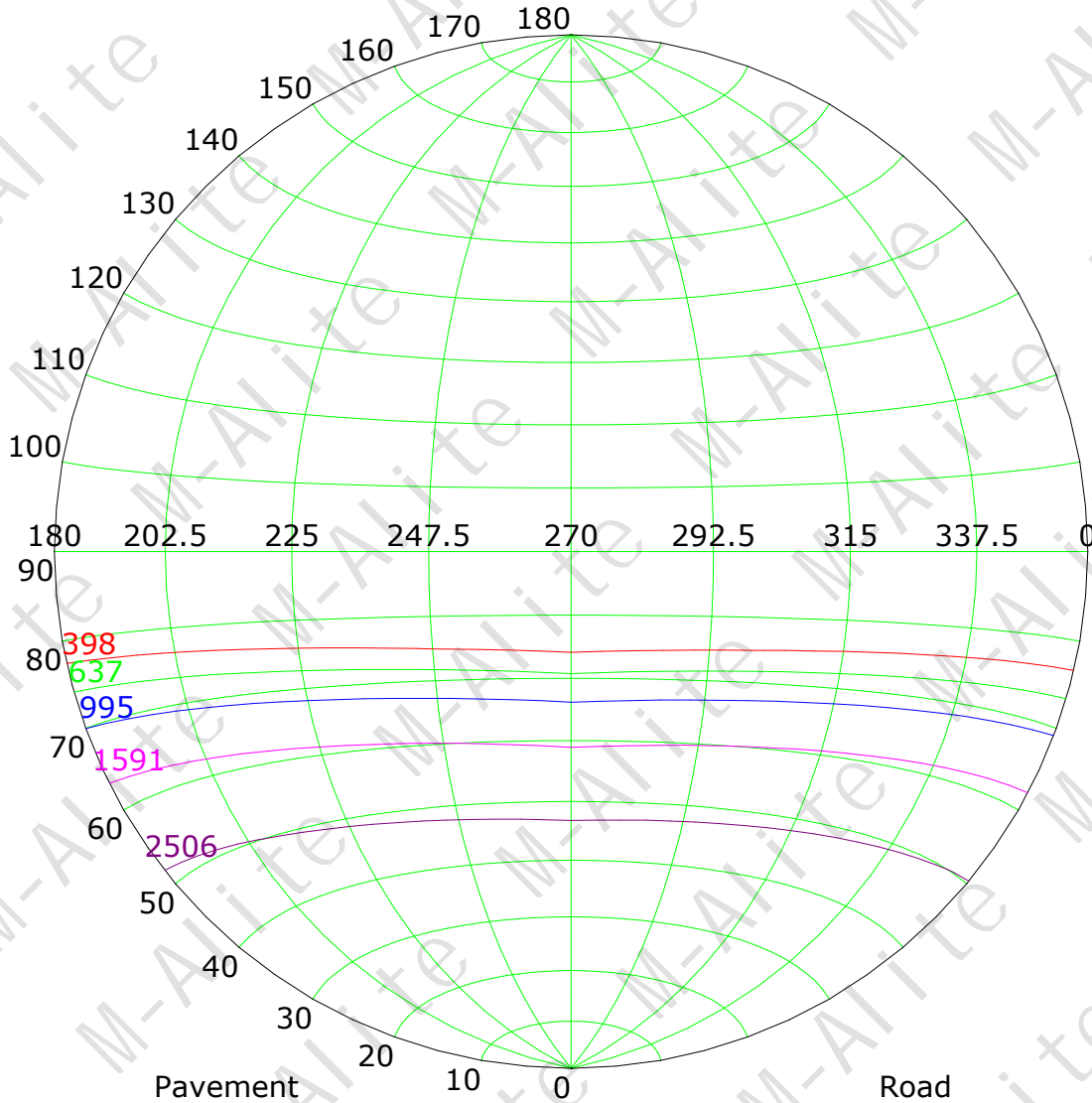
## Isocandela (rectangle)



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

## Isocandela (sphere)



Imax (100%): 3978 cd

( 10%): 398 cd  
( 25%): 995 cd  
( 63%): 2506 cd

( 16%): 637 cd  
( 40%): 1591 cd  
(100%): 3978 cd

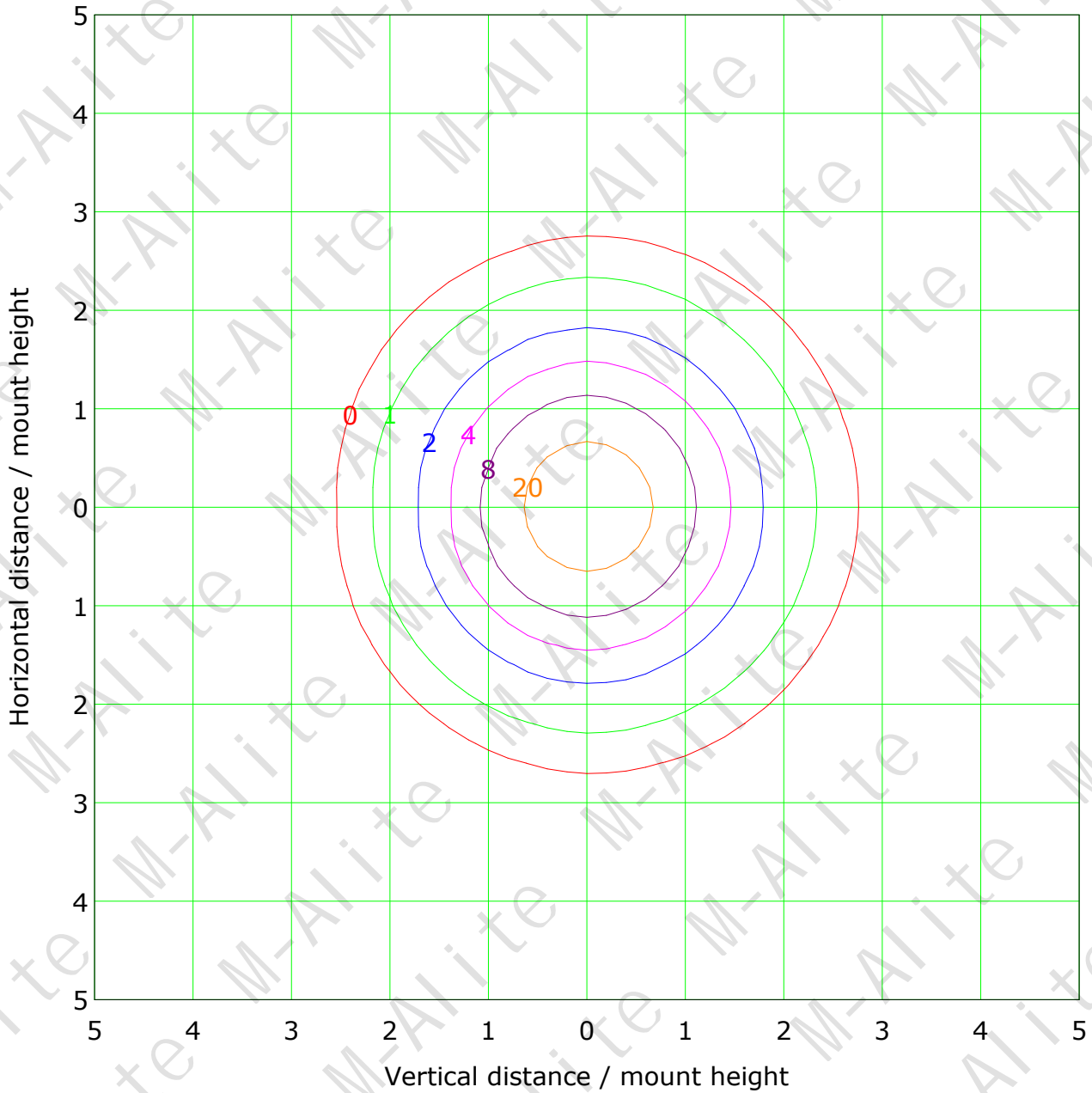
CIE: narrow - short  
CIE: Full-cut-off luminaire  
Max.At90: 0.745 cd/klm

IES: Cut-off  
Max.At80: 23.993 cd/klm  
Max.80-90: 23.993 cd/klm

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

## IsoLux Plot



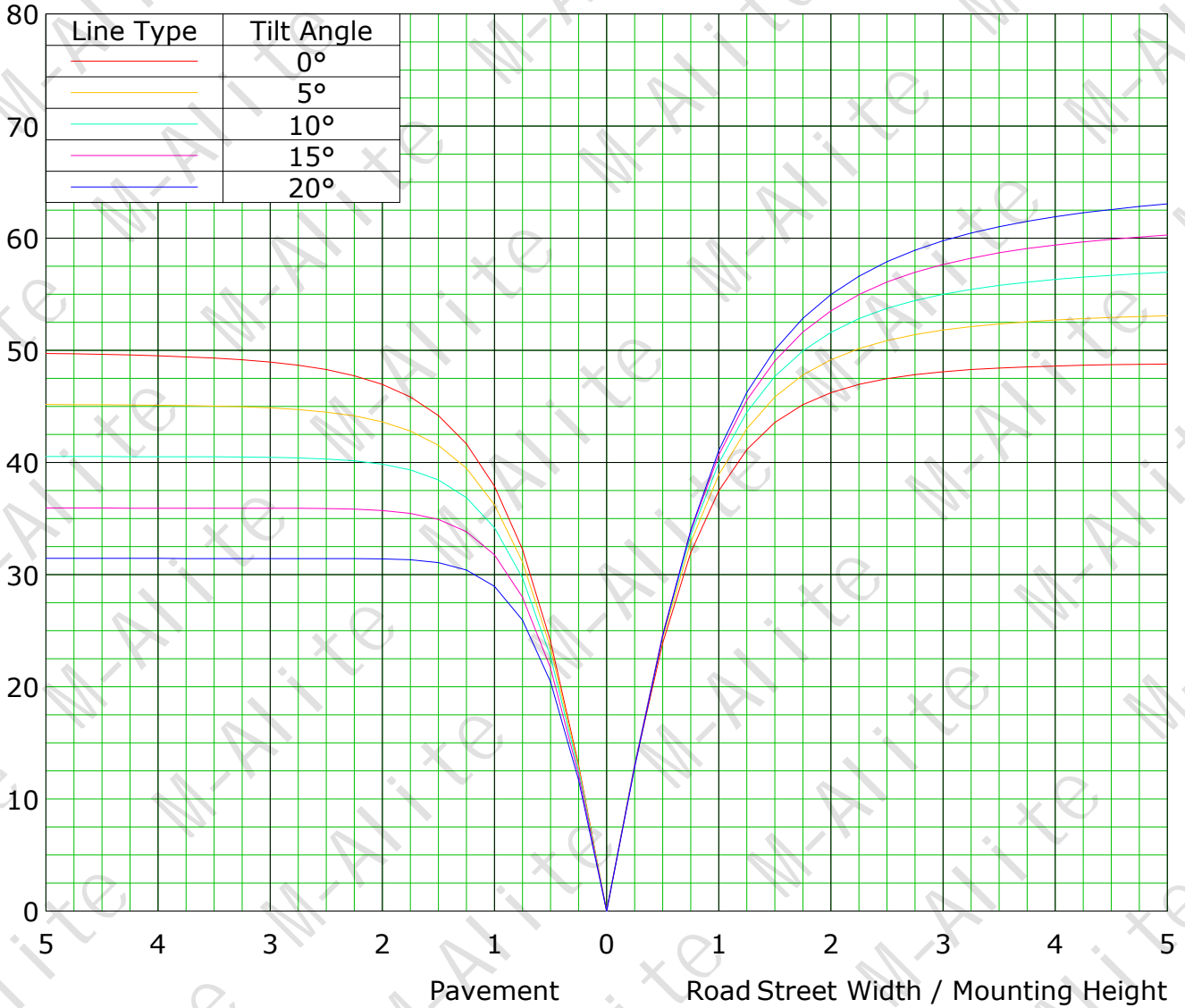
Mounting Height: 10.0m		Max Lux(100%): 39.8 lx	
<ul style="list-style-type: none"> <li><span style="color: red;">—</span> ( 1%): 0.4 lx</li> <li><span style="color: blue;">—</span> ( 5%): 2.0 lx</li> <li><span style="color: purple;">—</span> ( 20%): 8.0 lx</li> <li><span style="color: green;">—</span> (100%): 39.8 lx</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: green;">—</span> ( 2%): 0.8 lx</li> <li><span style="color: magenta;">—</span> ( 10%): 4.0 lx</li> <li><span style="color: orange;">—</span> ( 50%): 19.9 lx</li> </ul>		

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:

## Roadway CU Curve

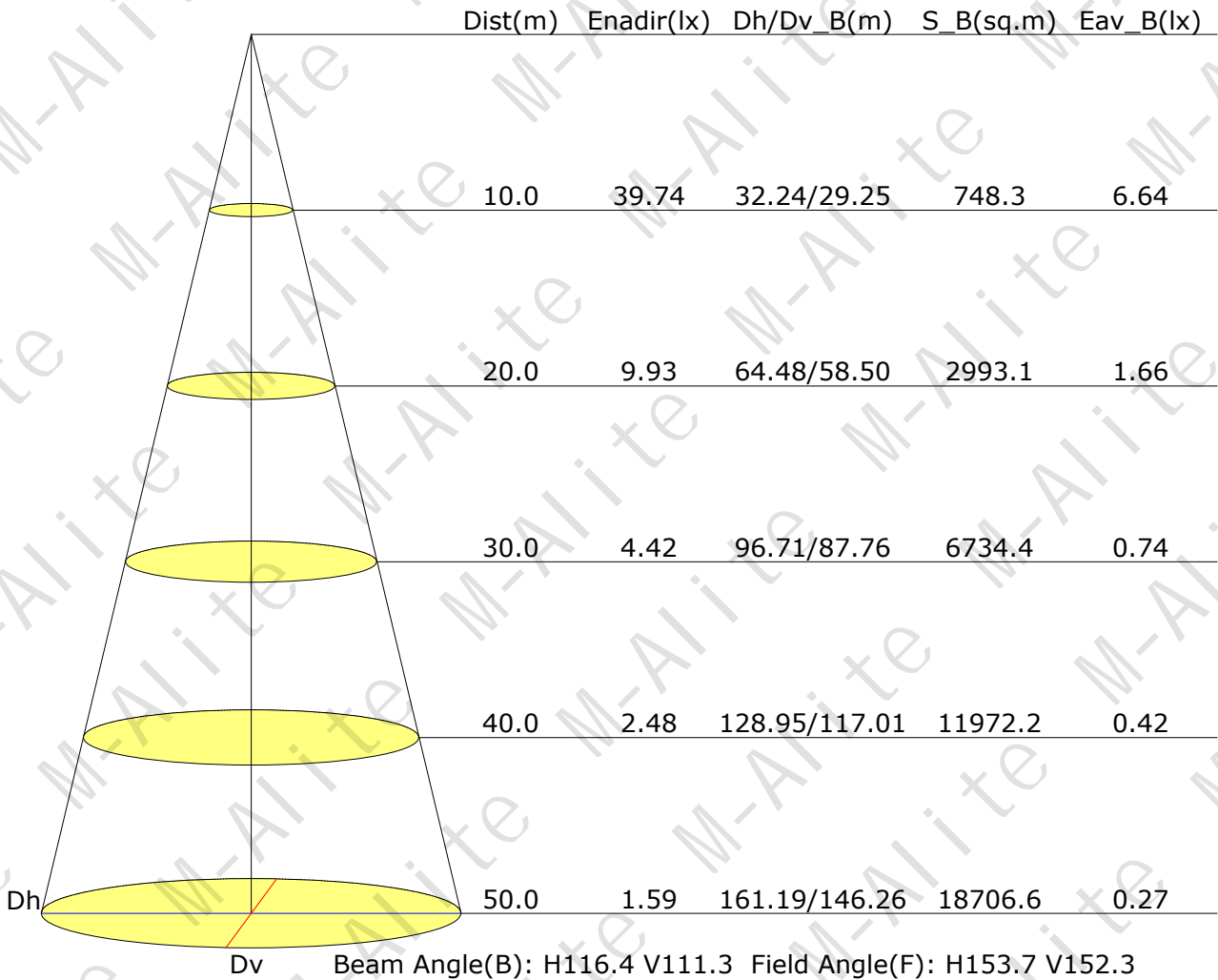
Efficiency(%)



C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

## Illuminance at a Distance





### Area Flux Table

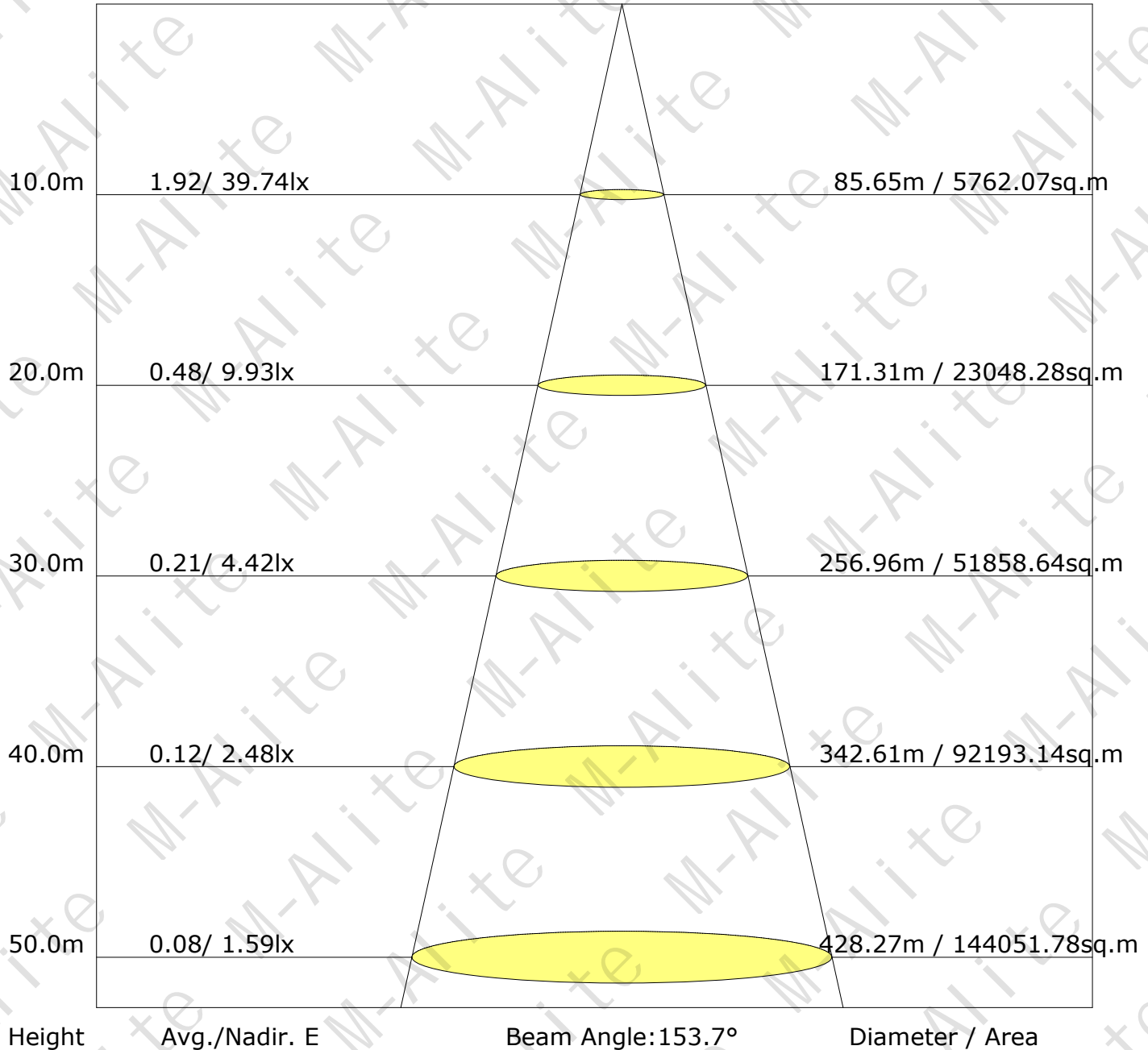
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	Unit: lm																		Flux(T)	Flux(E)	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80			90
0.0	2.1	0.0	0.1	0.1	0.2	0.4	0.7	0.9	1.0	0.9	0.9	0.9	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0	8.0	0.0
0.0	41.6	0.0	0.2	0.8	2.2	4.3	6.8	9.1	10.6	11.1	11.0	10.3	8.6	6.3	3.9	1.8	0.6	0.1	0.0	0.0	87.8	40.3
0.0	170.6	0.0	0.5	2.8	7.4	13.9	20.9	27.2	31.4	32.9	32.8	30.9	26.5	20.1	13.1	6.8	2.4	0.4	0.0	0.0	270.3	257.7
0.1	1.2	0.1	1.2	5.9	14.5	25.7	37.4	47.6	54.7	57.4	57.2	54.0	46.7	36.2	24.6	13.7	5.4	1.0	0.0	0.0	483.3	347.6
0.1	2.1	0.1	2.1	9.4	21.9	37.3	52.6	64.9	74.5	79.2	79.0	73.9	63.8	51.2	35.9	20.7	8.7	1.8	0.1	0.1	677.0	673.5
0.1	3.0	0.1	3.0	12.7	28.4	47.0	64.5	80.6	91.3	96.2	96.0	90.6	79.5	63.1	45.4	27.0	11.8	2.7	0.1	0.1	840.0	837.4
0.2	4.5	0.2	3.8	15.4	33.7	54.1	74.1	90.3	101.7	107.3	107.0	101.0	89.1	72.6	52.4	32.2	14.5	3.5	0.1	0.1	953.1	951.1
0.2	4.8	0.2	4.5	17.5	37.4	59.2	79.8	96.9	109.0	115.2	114.9	108.2	95.6	78.2	57.4	35.8	16.4	4.0	0.2	0.2	1030.2	1028.5
0.2	4.9	0.2	4.9	18.8	39.8	62.2	83.4	101.1	113.7	120.0	119.7	112.7	99.6	81.5	60.2	38.0	17.6	4.4	0.2	0.2	1071.8	1070.1
0.2	4.6	0.2	4.6	17.8	38.1	59.9	81.2	98.6	111.0	117.6	117.4	110.2	97.3	79.6	58.1	36.4	16.7	4.1	0.2	0.2	1049.1	1047.4
0.2	4.0	0.2	4.0	16.0	34.7	55.7	75.8	93.5	105.4	111.7	111.5	104.7	92.3	74.3	54.0	33.2	15.0	3.6	0.1	0.1	985.9	983.9
0.2	3.2	0.2	3.2	13.4	29.8	49.4	67.1	83.6	96.6	103.0	102.8	95.9	82.5	65.7	47.8	28.4	12.5	2.9	0.1	0.1	884.8	882.4
0.1	2.3	0.1	2.3	10.2	23.6	39.8	56.8	70.0	79.3	84.8	84.6	78.7	69.0	55.5	38.5	22.5	9.5	2.0	0.1	0.1	727.3	724.1
0.1	1.4	0.1	1.4	6.7	16.4	29.0	41.8	53.5	62.1	66.5	66.2	61.5	52.5	40.6	27.9	15.5	6.1	1.2	0.0	0.0	548.9	543.7
0.0	0.6	0.0	0.6	3.4	9.1	16.9	25.6	33.7	39.6	42.6	42.4	39.1	33.0	24.8	16.2	8.5	3.0	0.5	0.0	0.0	339.1	329.2
0.0	0.2	0.0	0.2	1.0	3.1	6.3	10.2	14.0	17.0	18.8	18.7	16.8	13.5	9.7	5.9	2.8	0.8	0.2	0.0	0.0	139.0	100.0
0.0	0.1	0.0	0.1	0.2	0.4	0.8	1.3	1.9	2.4	2.7	2.7	2.3	1.7	1.2	0.7	0.3	0.2	0.1	0.0	0.0	18.7	0.0
0.0	28.2	0.0	28.2	160.5	370.6	613.9	985.3	1058.0	1204.4	1277.3	1273.8	1193.8	1041.3	832.4	592.4	351.7	148.4	23.2	0.0	0.0	1102.3	

C Plane (°): 0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator: Jason

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure

Flux Out: 11035.91lm



C Plane (°): 0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

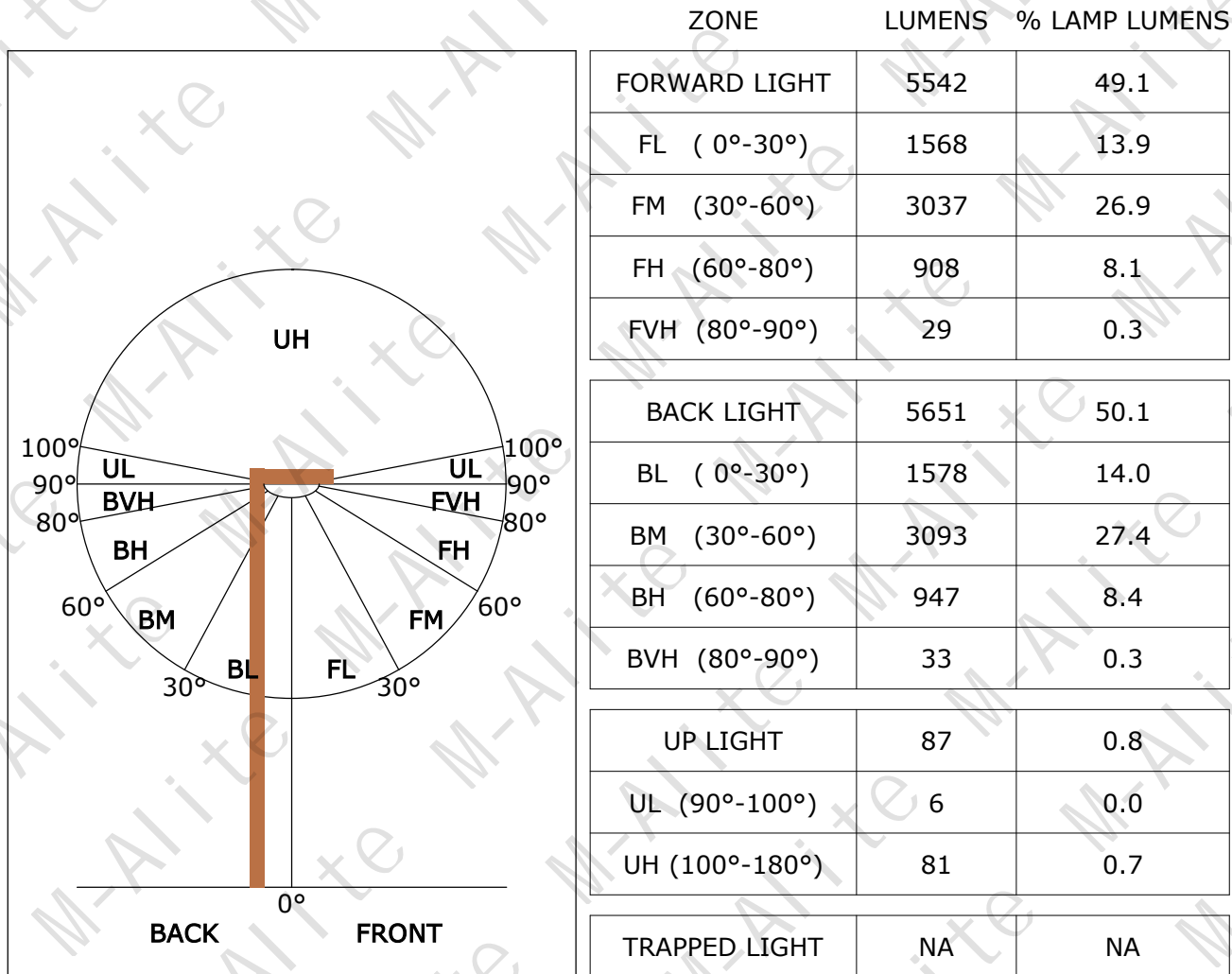
Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

## UGR Table

Reflectance:											
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H Y=2H	26.7	28.1	27.1	28.3	28.6	26.6	27.9	26.9	28.2	28.4	
3H	27.8	29.0	28.1	29.3	29.6	27.6	28.9	28.0	29.1	29.4	
4H	28.0	29.2	28.4	29.5	29.8	27.9	29.1	28.3	29.4	29.7	
6H	28.1	29.1	28.5	29.5	29.8	28.0	29.0	28.4	29.4	29.7	
8H	28.1	29.1	28.4	29.4	29.8	28.0	29.0	28.4	29.3	29.7	
12H	28.0	29.0	28.4	29.3	29.7	27.9	28.9	28.3	29.3	29.6	
X=4H Y=2H	27.2	28.4	27.6	28.7	29.0	27.1	28.3	27.5	28.6	28.9	
3H	28.4	29.4	28.8	29.7	30.1	28.3	29.3	28.7	29.6	30.0	
4H	28.7	29.6	29.1	30.0	30.4	28.6	29.5	29.0	29.9	30.3	
6H	28.8	29.6	29.2	30.0	30.4	28.7	29.5	29.2	29.9	30.3	
8H	28.8	29.5	29.2	29.9	30.3	28.7	29.4	29.2	29.9	30.3	
12H	28.8	29.4	29.2	29.8	30.3	28.7	29.3	29.2	29.8	30.2	
X=8H Y=4H	28.8	29.5	29.2	29.9	30.4	28.7	29.4	29.2	29.8	30.3	
6H	28.9	29.5	29.4	29.9	30.4	28.9	29.4	29.3	29.9	30.4	
8H	28.9	29.4	29.4	29.9	30.4	28.9	29.4	29.4	29.8	30.3	
12H	28.9	29.3	29.4	29.8	30.3	28.9	29.3	29.4	29.8	30.3	
X=12H Y=4H	28.8	29.4	29.2	29.8	30.3	28.7	29.3	29.1	29.7	30.2	
6H	28.9	29.4	29.4	29.9	30.4	28.8	29.3	29.3	29.8	30.3	
8H	28.9	29.3	29.4	29.8	30.3	28.9	29.3	29.4	29.8	30.3	
Variations with the observer position at spacings:											
S=1.0H	+0.2/-0.2					+0.3/-0.4					
S=1.5H	+0.4/-0.7					+0.6/-1.0					
S=2.0H	+1.0/-1.4					+0.9/-1.8					

Calculate in accordance with CIE Pub.117. The table is revised with 11280lm ( $8\log(F/F_0) = 8.4$ ).

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

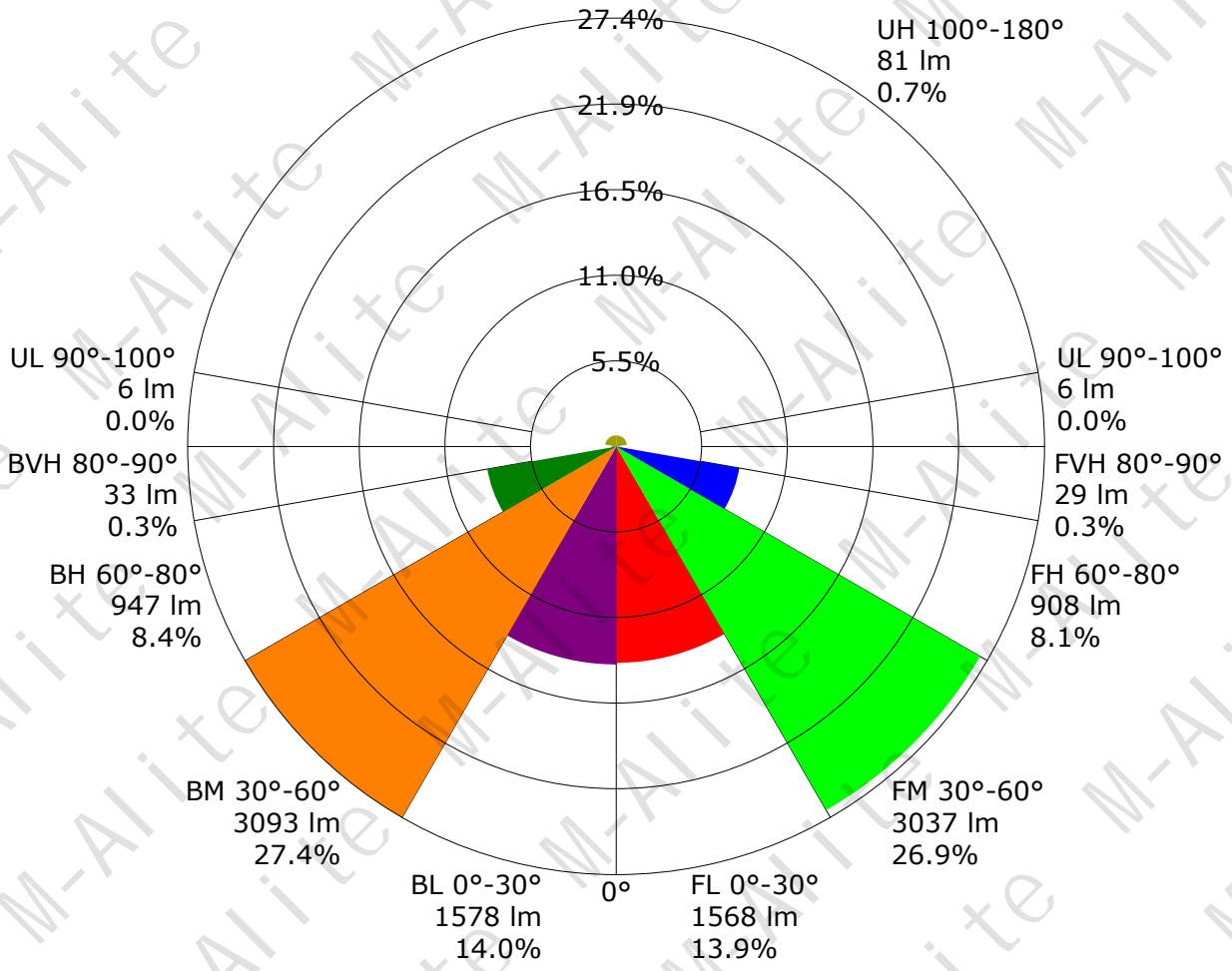


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G1

C Plane (°):0.0-360.0: 90.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1600L  
Distance: 8.670 m [K=1.0000]  
Humidity:  
Inspector:

### LCS Graph



**Back Light**

**Forward Light**

Scale= MAX LCS%

Trapped Light:NA,NA

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3973.8	3.8	3.8	0.03	0.03
1.0-2.0	3973.2	11.4	15.2	0.10	0.13
2.0-3.0	3971.8	19.0	34.2	0.17	0.30
3.0-4.0	3969.8	26.6	60.8	0.24	0.54
4.0-5.0	3966.7	34.1	94.9	0.30	0.84
5.0-6.0	3961.6	41.6	136.6	0.37	1.21
6.0-7.0	3954.9	49.1	185.6	0.44	1.65
7.0-8.0	3947.2	56.5	242.1	0.50	2.15
8.0-9.0	3939.0	63.8	306.0	0.57	2.71
9.0-10.0	3930.9	71.1	377.1	0.63	3.34
10.0-11.0	3921.3	78.4	455.5	0.69	4.04
11.0-12.0	3910.0	85.5	541.0	0.76	4.80
12.0-13.0	3897.6	92.5	633.5	0.82	5.62
13.0-14.0	3883.9	99.4	732.9	0.88	6.50
14.0-15.0	3869.2	106.2	839.2	0.94	7.44
15.0-16.0	3852.7	112.9	952.1	1.00	8.44
16.0-17.0	3834.9	119.4	1071.5	1.06	9.50
17.0-18.0	3816.6	125.9	1197.4	1.12	10.62
18.0-19.0	3796.3	132.1	1329.5	1.17	11.79
19.0-20.0	3775.2	138.2	1467.6	1.23	13.01
20.0-21.0	3753.8	144.2	1611.8	1.28	14.29
21.0-22.0	3730.0	149.9	1761.7	1.33	15.62
22.0-23.0	3704.7	155.5	1917.2	1.38	17.00
23.0-24.0	3678.0	160.8	2078.0	1.43	18.42
24.0-25.0	3651.1	166.0	2244.1	1.47	19.89
25.0-26.0	3624.9	171.1	2415.2	1.52	21.41
26.0-27.0	3596.7	176.0	2591.2	1.56	22.97
27.0-28.0	3567.3	180.6	2771.8	1.60	24.57
28.0-29.0	3537.3	185.1	2956.9	1.64	26.21
29.0-30.0	3504.8	189.3	3146.2	1.68	27.89
30.0-31.0	3472.6	193.3	3339.4	1.71	29.61
31.0-32.0	3439.0	197.0	3536.5	1.75	31.35
32.0-33.0	3403.0	200.5	3737.0	1.78	33.13
33.0-34.0	3367.3	203.8	3940.8	1.81	34.94
34.0-35.0	3329.0	206.8	4147.6	1.83	36.77
35.0-36.0	3289.9	209.5	4357.1	1.86	38.63

C Plane (°):0.0-360.0: 90.0  
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Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	3251.3	212.1	4569.1	1.88	40.51
37.0-38.0	3209.8	214.3	4783.4	1.90	42.41
38.0-39.0	3167.2	216.2	4999.6	1.92	44.32
39.0-40.0	3123.1	217.8	5217.5	1.93	46.26
40.0-41.0	3076.7	219.1	5436.6	1.94	48.20
41.0-42.0	3022.1	219.6	5656.2	1.95	50.15
42.0-43.0	2951.1	218.6	5874.8	1.94	52.08
43.0-44.0	2877.6	217.2	6092.0	1.93	54.01
44.0-45.0	2815.0	216.4	6308.4	1.92	55.93
45.0-46.0	2753.5	215.4	6523.8	1.91	57.84
46.0-47.0	2684.6	213.5	6737.3	1.89	59.73
47.0-48.0	2612.5	211.2	6948.5	1.87	61.60
48.0-49.0	2548.6	209.3	7157.9	1.86	63.46
49.0-50.0	2493.9	208.0	7365.8	1.84	65.30
50.0-51.0	2437.3	206.2	7572.1	1.83	67.13
51.0-52.0	2379.2	204.2	7776.2	1.81	68.94
52.0-53.0	2318.7	201.7	7978.0	1.79	70.73
53.0-54.0	2254.3	198.7	8176.7	1.76	72.49
54.0-55.0	2189.4	195.5	8372.1	1.73	74.22
55.0-56.0	2120.2	191.6	8563.8	1.70	75.92
56.0-57.0	2049.2	187.4	8751.1	1.66	77.58
57.0-58.0	1967.7	182.0	8933.1	1.61	79.20
58.0-59.0	1870.9	174.9	9108.1	1.55	80.75
59.0-60.0	1775.8	167.8	9275.9	1.49	82.24
60.0-61.0	1681.3	160.5	9436.3	1.42	83.66
61.0-62.0	1597.5	154.0	9590.3	1.36	85.02
62.0-63.0	1527.9	148.6	9738.9	1.32	86.34
63.0-64.0	1453.4	142.6	9881.5	1.26	87.61
64.0-65.0	1375.2	136.1	10017.7	1.21	88.81
65.0-66.0	1299.1	129.6	10147.3	1.15	89.96
66.0-67.0	1211.6	121.8	10269.1	1.08	91.04
67.0-68.0	1107.4	112.2	10381.3	0.99	92.04
68.0-69.0	1013.4	103.4	10484.7	0.92	92.95
69.0-70.0	937.3	96.3	10581.0	0.85	93.81
70.0-71.0	866.4	89.6	10670.6	0.79	94.60
71.0-72.0	786.8	81.8	10752.4	0.73	95.33

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	700.2	73.2	10825.6	0.65	95.98
73.0-74.0	620.2	65.2	10890.8	0.58	96.55
74.0-75.0	545.2	57.6	10948.5	0.51	97.06
75.0-76.0	474.0	50.3	10998.8	0.45	97.51
76.0-77.0	401.2	42.8	11041.6	0.38	97.89
77.0-78.0	333.6	35.7	11077.3	0.32	98.21
78.0-79.0	277.7	29.8	11107.1	0.26	98.47
79.0-80.0	220.8	23.8	11130.9	0.21	98.68
80.0-81.0	171.3	18.5	11149.5	0.16	98.85
81.0-82.0	131.4	14.3	11163.7	0.13	98.97
82.0-83.0	94.3	10.3	11174.0	0.09	99.06
83.0-84.0	64.4	7.0	11181.0	0.06	99.13
84.0-85.0	40.9	4.5	11185.4	0.04	99.17
85.0-86.0	25.5	2.8	11188.2	0.02	99.19
86.0-87.0	17.1	1.9	11190.1	0.02	99.21
87.0-88.0	11.8	1.3	11191.4	0.01	99.22
88.0-89.0	8.2	0.9	11192.3	0.01	99.23
89.0-90.0	5.9	0.6	11192.9	0.01	99.23
90.0-91.0	4.7	0.5	11193.4	0.00	99.24
91.0-92.0	4.2	0.5	11193.9	0.00	99.24
92.0-93.0	4.2	0.5	11194.4	0.00	99.24
93.0-94.0	4.5	0.5	11194.8	0.00	99.25
94.0-95.0	4.8	0.5	11195.4	0.00	99.25
95.0-96.0	5.1	0.6	11195.9	0.00	99.26
96.0-97.0	5.2	0.6	11196.5	0.01	99.26
97.0-98.0	5.6	0.6	11197.1	0.01	99.27
98.0-99.0	6.2	0.7	11197.8	0.01	99.28
99.0-100.0	6.5	0.7	11198.5	0.01	99.28
100.0-101.0	6.7	0.7	11199.2	0.01	99.29
101.0-102.0	7.1	0.8	11200.0	0.01	99.29
102.0-103.0	7.4	0.8	11200.8	0.01	99.30
103.0-104.0	7.9	0.8	11201.6	0.01	99.31
104.0-105.0	8.1	0.9	11202.5	0.01	99.32
105.0-106.0	8.4	0.9	11203.3	0.01	99.32
106.0-107.0	8.8	0.9	11204.3	0.01	99.33
107.0-108.0	9.2	1.0	11205.2	0.01	99.34

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:



### Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	9.5	1.0	11206.2	0.01	99.35
109.0-110.0	10.0	1.0	11207.2	0.01	99.36
110.0-111.0	10.4	1.1	11208.3	0.01	99.37
111.0-112.0	10.7	1.1	11209.4	0.01	99.38
112.0-113.0	11.1	1.1	11210.5	0.01	99.39
113.0-114.0	11.4	1.1	11211.7	0.01	99.40
114.0-115.0	11.8	1.2	11212.9	0.01	99.41
115.0-116.0	12.1	1.2	11214.0	0.01	99.42
116.0-117.0	12.5	1.2	11215.3	0.01	99.43
117.0-118.0	12.8	1.2	11216.5	0.01	99.44
118.0-119.0	13.1	1.3	11217.8	0.01	99.45
119.0-120.0	13.5	1.3	11219.1	0.01	99.46
120.0-121.0	14.0	1.3	11220.4	0.01	99.48
121.0-122.0	14.3	1.3	11221.7	0.01	99.49
122.0-123.0	14.5	1.3	11223.1	0.01	99.50
123.0-124.0	14.9	1.4	11224.4	0.01	99.51
124.0-125.0	15.5	1.4	11225.8	0.01	99.52
125.0-126.0	15.8	1.4	11227.2	0.01	99.54
126.0-127.0	16.1	1.4	11228.7	0.01	99.55
127.0-128.0	16.4	1.4	11230.1	0.01	99.56
128.0-129.0	16.7	1.4	11231.5	0.01	99.57
129.0-130.0	17.0	1.4	11233.0	0.01	99.59
130.0-131.0	17.3	1.4	11234.4	0.01	99.60
131.0-132.0	17.6	1.4	11235.8	0.01	99.61
132.0-133.0	18.0	1.5	11237.3	0.01	99.63
133.0-134.0	18.1	1.4	11238.7	0.01	99.64
134.0-135.0	18.2	1.4	11240.2	0.01	99.65
135.0-136.0	18.5	1.4	11241.6	0.01	99.66
136.0-137.0	18.8	1.4	11243.0	0.01	99.68
137.0-138.0	19.0	1.4	11244.4	0.01	99.69
138.0-139.0	19.2	1.4	11245.8	0.01	99.70
139.0-140.0	19.5	1.4	11247.2	0.01	99.71
140.0-141.0	19.8	1.4	11248.6	0.01	99.73
141.0-142.0	20.1	1.4	11249.9	0.01	99.74
142.0-143.0	20.3	1.4	11251.3	0.01	99.75
143.0-144.0	20.4	1.3	11252.6	0.01	99.76

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	20.6	1.3	11253.9	0.01	99.77
145.0-146.0	20.7	1.3	11255.2	0.01	99.78
146.0-147.0	21.0	1.3	11256.5	0.01	99.80
147.0-148.0	21.1	1.2	11257.7	0.01	99.81
148.0-149.0	21.2	1.2	11259.0	0.01	99.82
149.0-150.0	21.3	1.2	11260.1	0.01	99.83
150.0-151.0	21.7	1.2	11261.3	0.01	99.84
151.0-152.0	21.9	1.1	11262.5	0.01	99.85
152.0-153.0	22.1	1.1	11263.6	0.01	99.86
153.0-154.0	22.3	1.1	11264.7	0.01	99.87
154.0-155.0	22.4	1.1	11265.7	0.01	99.88
155.0-156.0	22.4	1.0	11266.7	0.01	99.89
156.0-157.0	22.4	1.0	11267.7	0.01	99.90
157.0-158.0	22.8	1.0	11268.7	0.01	99.90
158.0-159.0	23.0	0.9	11269.6	0.01	99.91
159.0-160.0	22.9	0.9	11270.5	0.01	99.92
160.0-161.0	23.1	0.8	11271.3	0.01	99.93
161.0-162.0	23.3	0.8	11272.1	0.01	99.93
162.0-163.0	23.3	0.8	11272.9	0.01	99.94
163.0-164.0	23.3	0.7	11273.6	0.01	99.95
164.0-165.0	23.8	0.7	11274.3	0.01	99.95
165.0-166.0	23.9	0.7	11275.0	0.01	99.96
166.0-167.0	23.7	0.6	11275.6	0.01	99.97
167.0-168.0	24.1	0.6	11276.2	0.01	99.97
168.0-169.0	24.2	0.5	11276.7	0.00	99.97
169.0-170.0	24.3	0.5	11277.2	0.00	99.98
170.0-171.0	24.4	0.4	11277.6	0.00	99.98
171.0-172.0	24.5	0.4	11278.0	0.00	99.99
172.0-173.0	24.6	0.4	11278.4	0.00	99.99
173.0-174.0	24.7	0.3	11278.7	0.00	99.99
174.0-175.0	24.7	0.3	11278.9	0.00	99.99
175.0-176.0	24.8	0.2	11279.2	0.00	100.00
176.0-177.0	24.8	0.2	11279.3	0.00	100.00
177.0-178.0	24.9	0.1	11279.4	0.00	100.00
178.0-179.0	25.0	0.1	11279.5	0.00	100.00
179.0-180.0	24.8	0.0	11279.5	0.00	100.00

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator: Jason

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 8.670 m [K=1.0000]  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 5)

cone flux(90°): 6308.41 lm

%lum = 55.9%

%lamp = 55.9%

cone flux(120°): 9275.86 lm

%lum = 82.2%

%lamp = 82.2%