

Report No.:

Test Time: 2022-04-26 16:29

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.435 A

Power Factor: 0.919

Luminaire Description: ASL40-100W

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 218.3 V

Power: 87.26 W

Photometric Results

IES Classification: Type II

Total Rated Lamp Lumens: 8597.1 lm

Efficiency: 100%

Upward Ratio: 1%

C0r0 Intensity: 3877.39 cd

Pos of Max. Intensity: H0 V37

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 100.6, 60.8, 97.2, 97.6

Longitudinal Classification: Very Short

Measurement Flux: 8597.1 lm

Downward Ratio: 99%

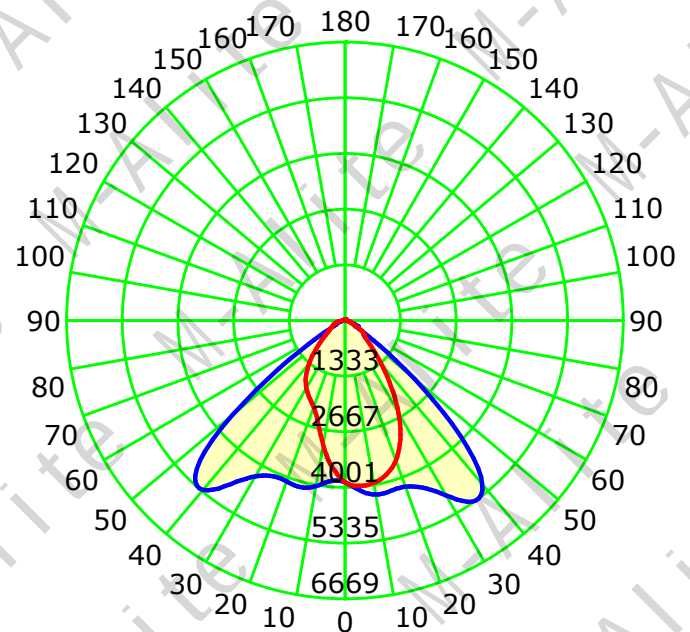
Luminaire Efficacy Rating (LER): 98.57

Max. Intensity: 5335.71 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 80.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: Sike

Gamma Plane (°):0.0-180.0:1.0

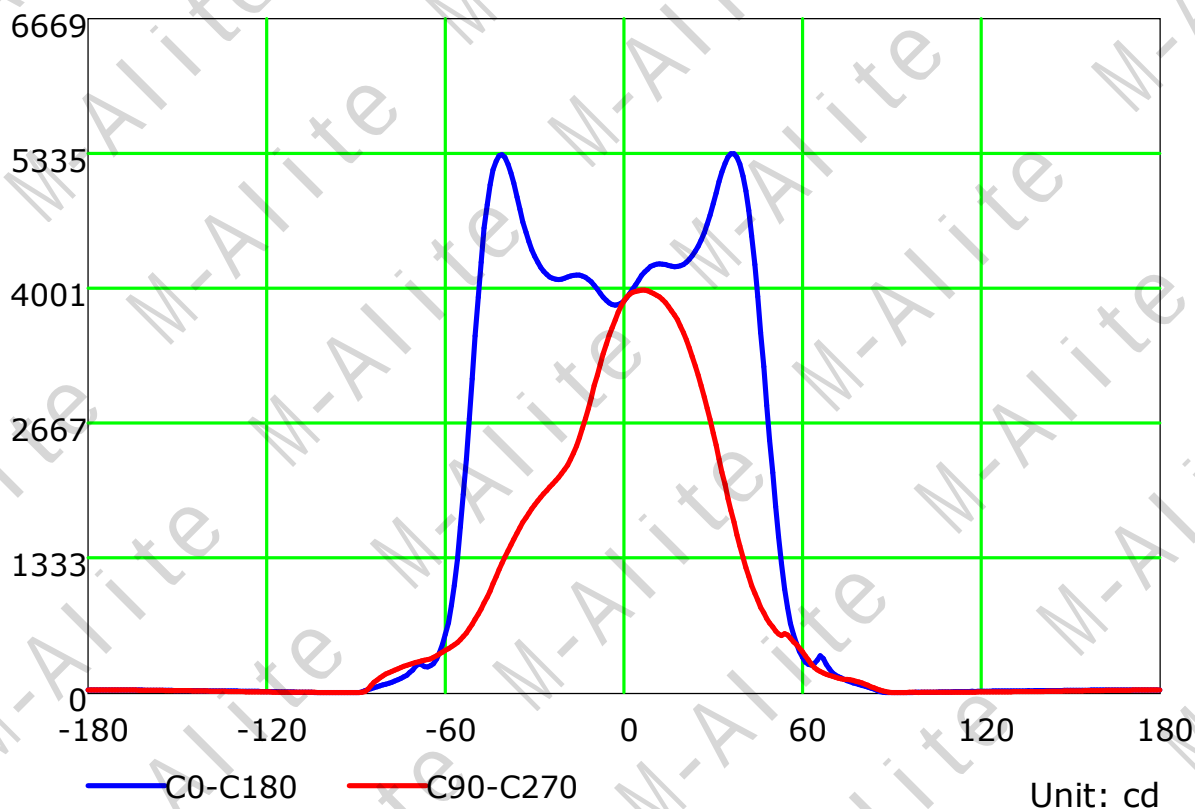
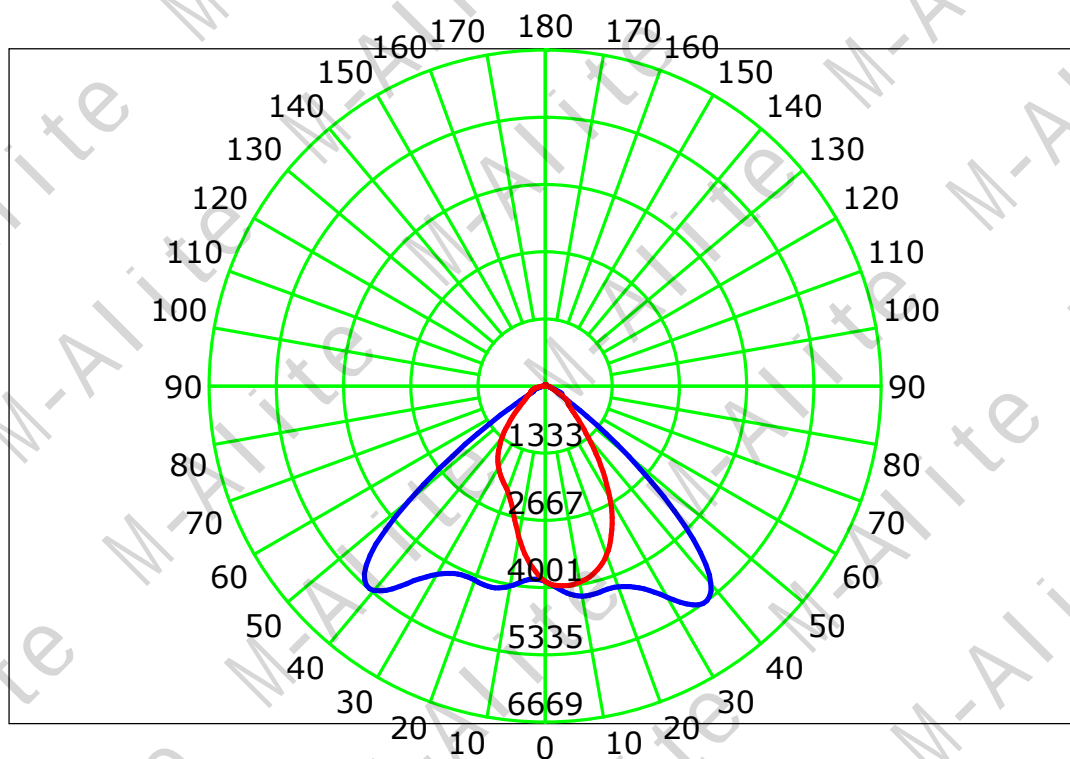
Test Device: GPM-1600L

Distance: 8.670 m [K=1.0000]

Humidity:

Inspector:

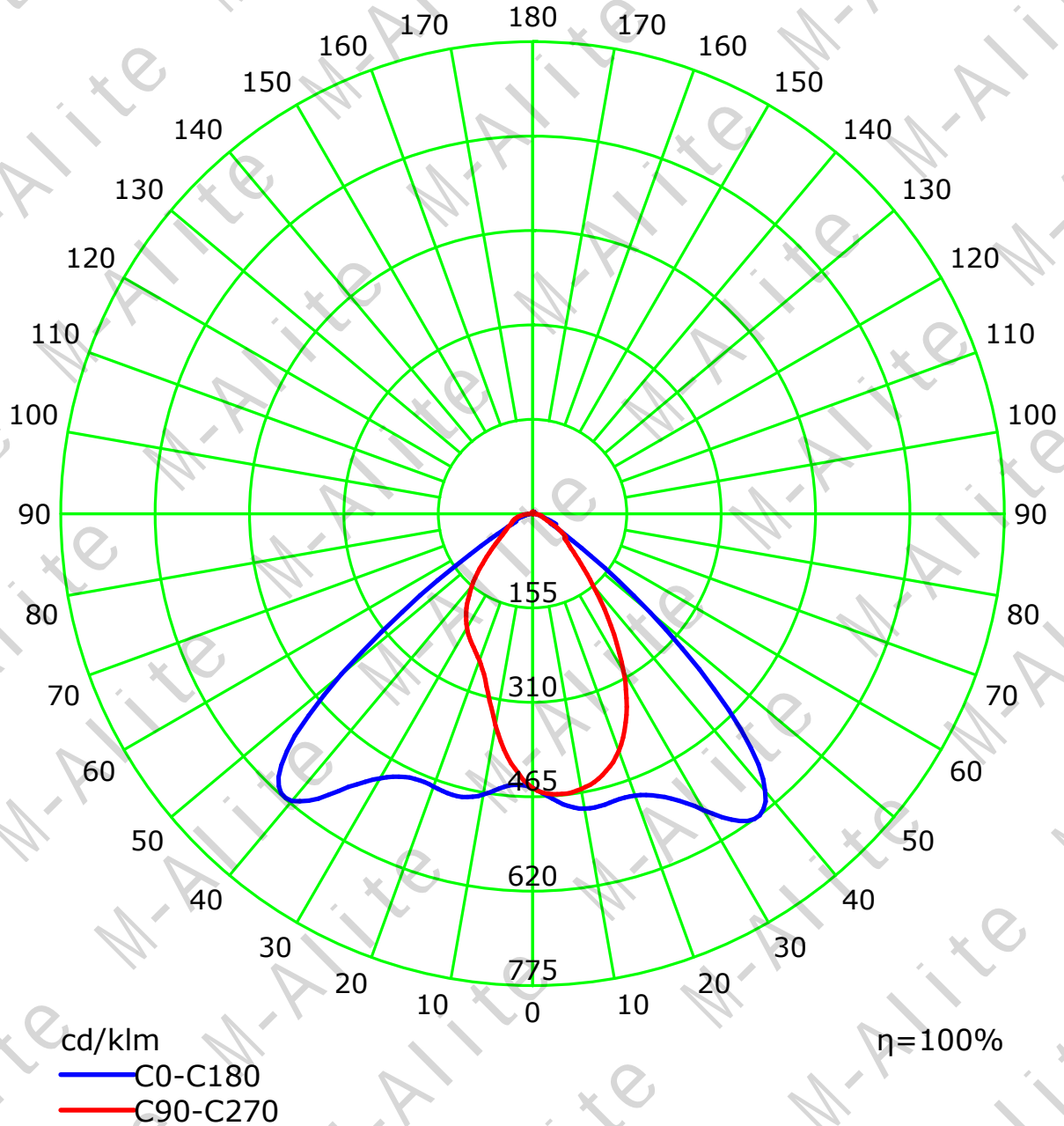
Luminous Intensity Distribution Curve



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

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

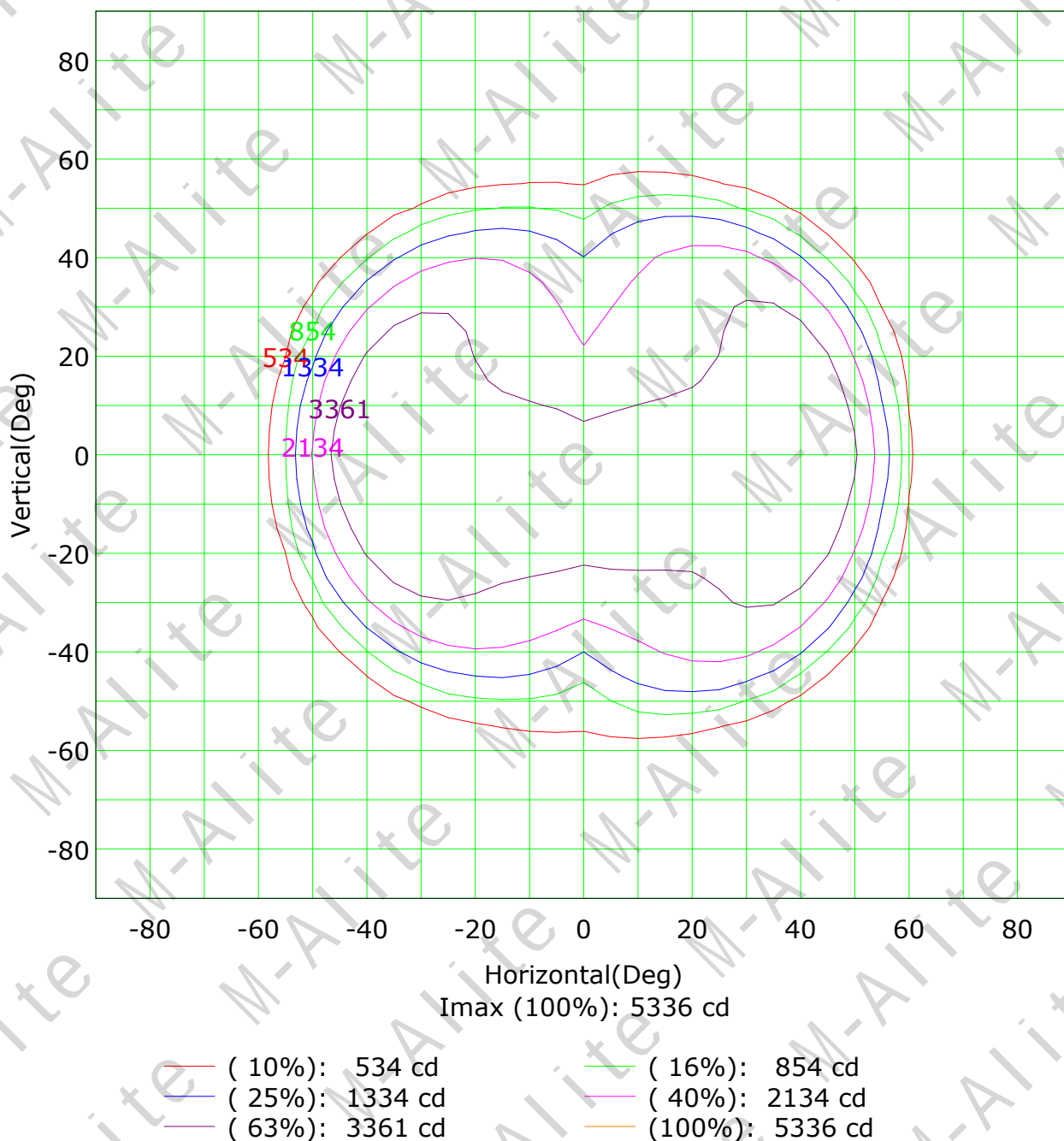
Luminous Intensity Distribution Curve(cd/klm)



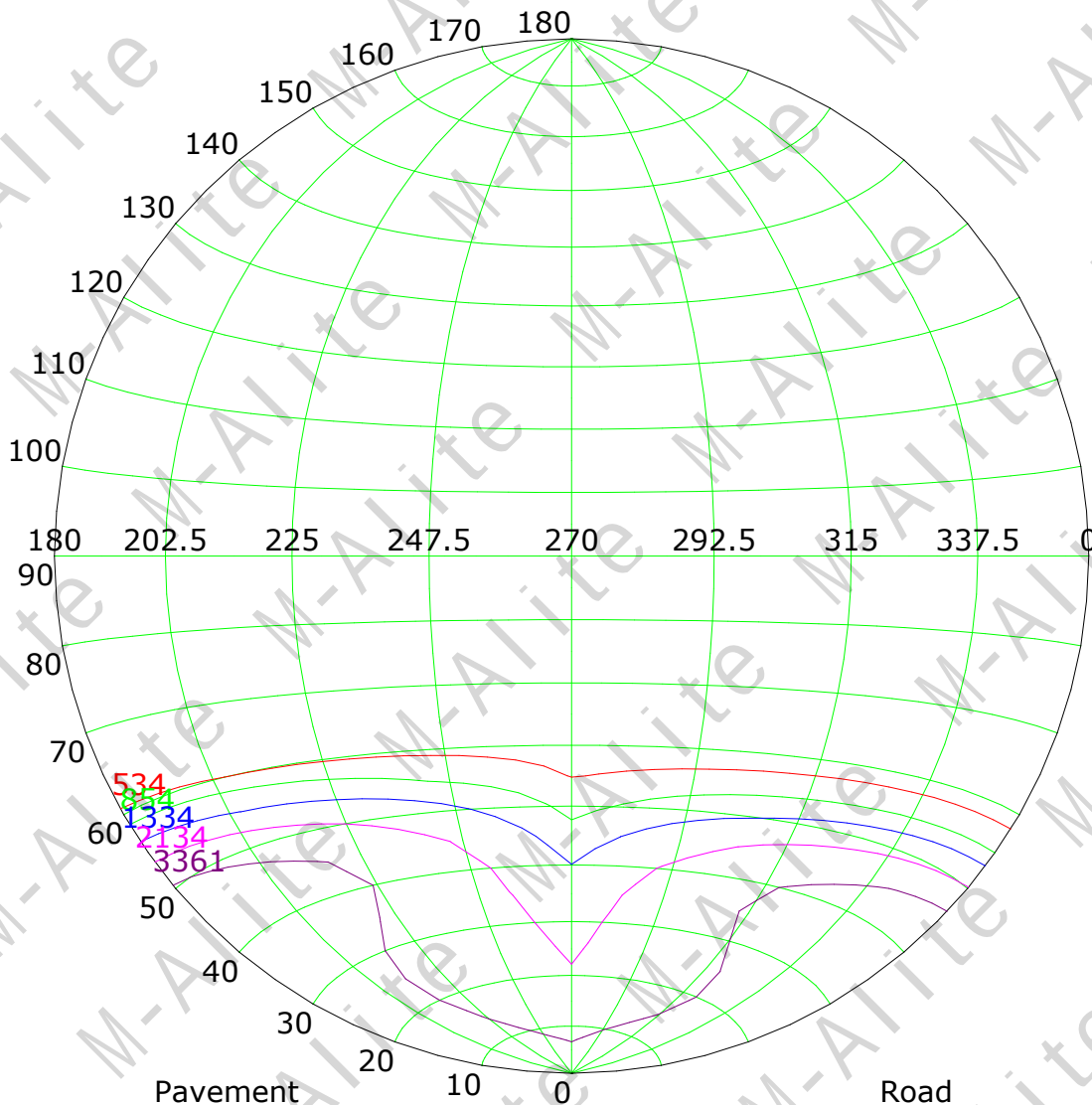
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: Sike

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

Isocandela (rectangle)



Isocandela (sphere)



Imax (100%): 5336 cd

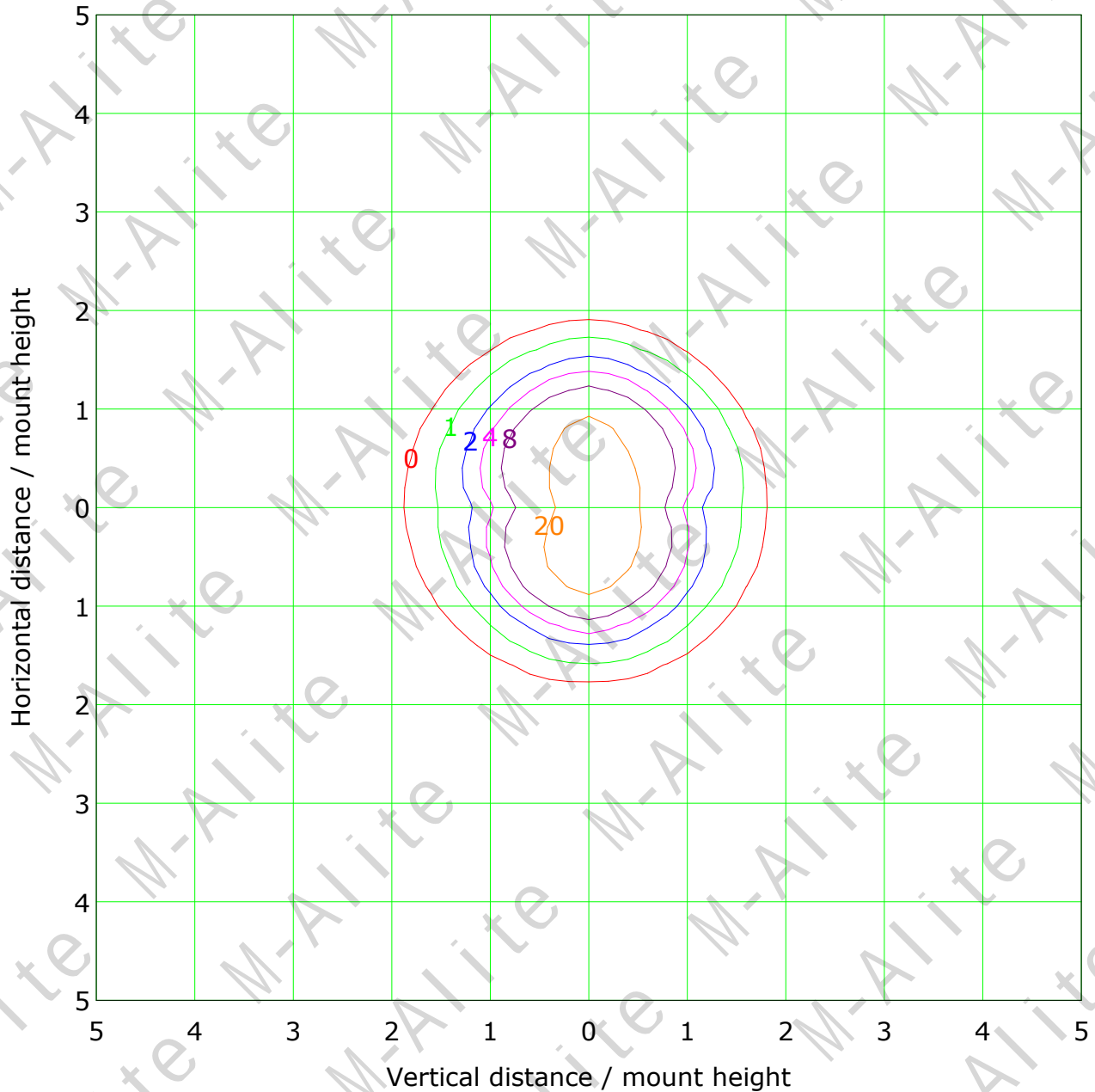
(10%): 534 cd
(25%): 1334 cd
(63%): 3361 cd

(16%): 854 cd
(40%): 2134 cd
(100%): 5336 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.316 cd/klm

IES: Cut-off
Max.At80: 21.398 cd/klm
Max.80-90: 21.398 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 40.7 lx

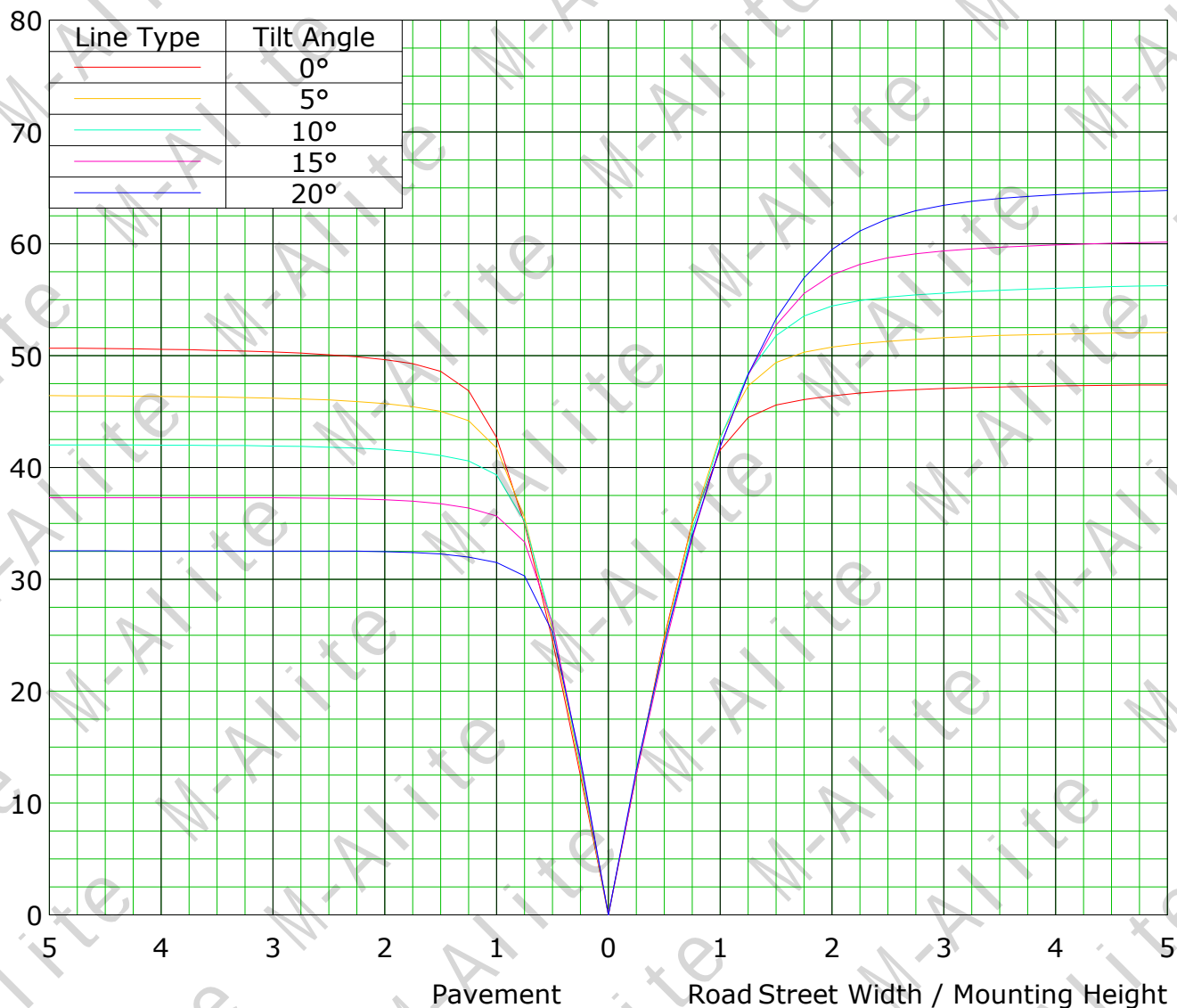
(1%): 0.4 lx	(2%): 0.8 lx
(5%): 2.0 lx	(10%): 4.1 lx
(20%): 8.1 lx	(50%): 20.4 lx
(100%): 40.7 lx	

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

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

Roadway CU Curve

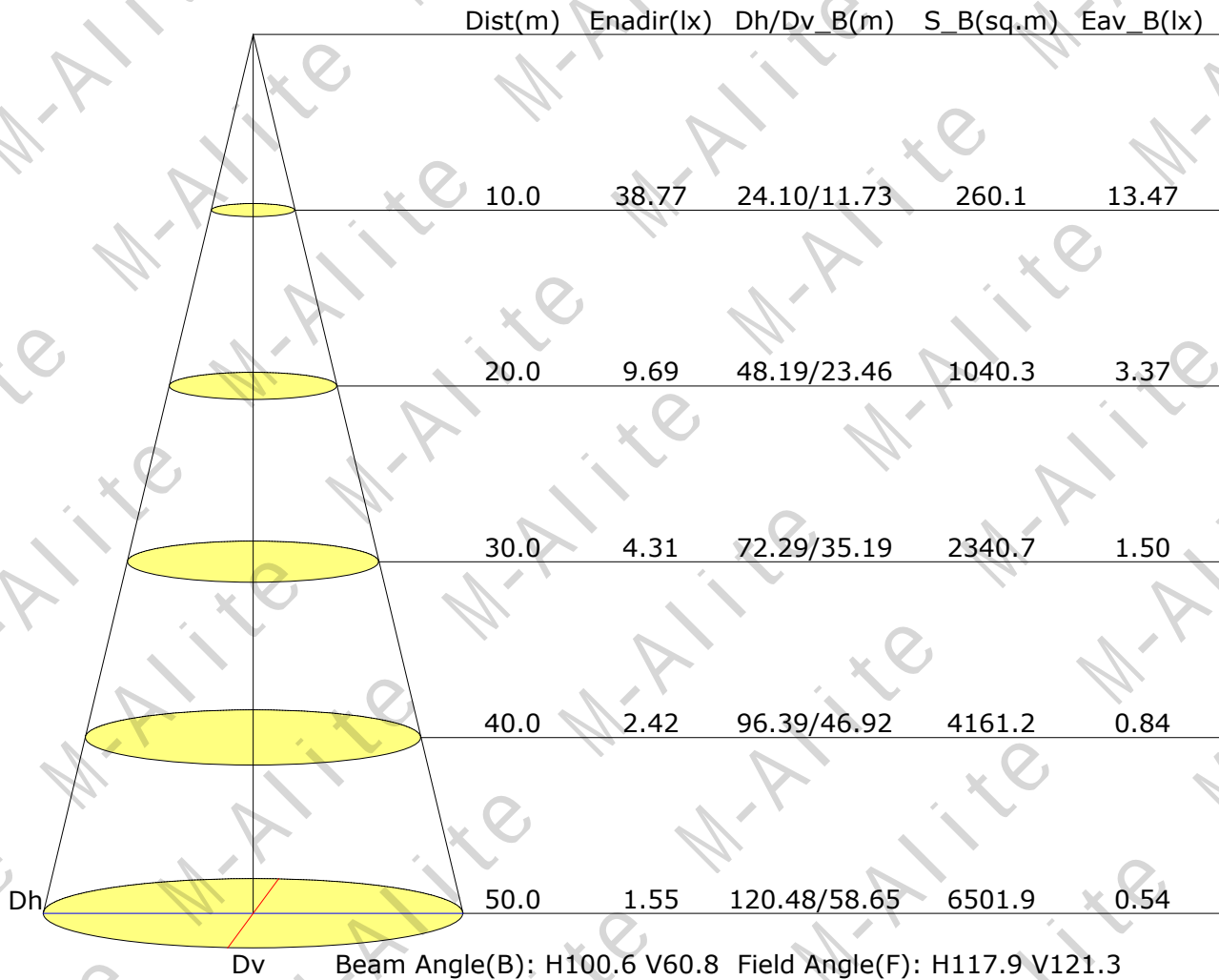
Efficiency(%)



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

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

Unit: lm

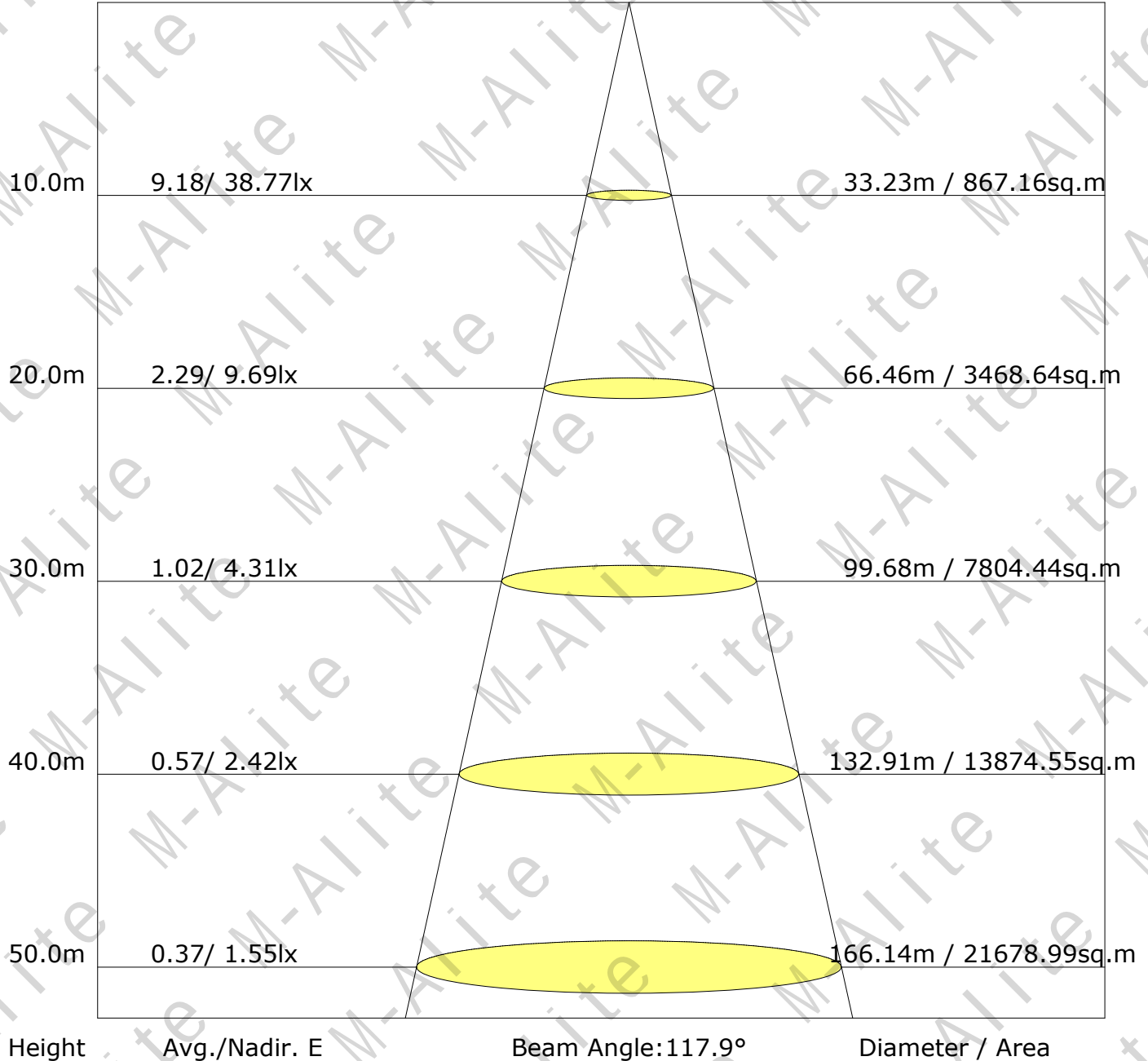
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	Flux(T)	0.0	0.0	0.2	0.4	0.7	1.2	1.6	2.0	2.2	2.2	1.9	1.5	1.0	0.6	0.3	0.1	0.0	0.0	15.9
0.0	1.6	0.0	0.3	0.9	1.8	3.0	4.3	5.5	6.5	7.2	7.2	6.4	5.3	4.1	2.8	1.7	0.7	0.1	0.0	58.0
0.0	13.3	0.0	0.5	1.5	3.0	4.9	6.8	8.3	9.6	10.4	10.4	9.6	8.4	6.7	4.6	2.7	1.3	0.4	0.0	89.2
0.0	42.5	0.1	0.7	2.0	4.3	6.6	10.4	16.2	19.9	18.6	17.1	16.2	12.7	9.1	6.8	4.0	1.8	0.6	0.0	147.1
0.0	176.8591	0.1	0.8	2.7	5.2	12.1	29.7	47.3	50.0	39.3	36.9	42.0	34.7	19.6	8.8	5.4	2.4	0.7	0.1	338.0
0.0	134.8554	0.1	1.0	3.2	7.8	30.6	67.4	80.5	72.4	57.9	59.0	73.3	73.6	49.9	18.8	6.1	3.1	0.9	0.1	605.8
0.0	4863.3918	0.1	1.1	3.5	14.2	58.8	94.4	91.1	81.0	69.4	70.8	85.9	97.1	85.1	39.1	8.7	3.6	1.0	0.1	804.9
0.0	5926.9867	0.1	1.2	3.9	23.0	82.7	105.6	97.1	92.9	85.3	86.0	95.8	105.7	107.9	61.5	13.1	3.8	1.0	0.1	966.9
0.0	9867.1871	0.1	1.3	4.2	30.1	98.4	114.0	107.8	111.2	109.4	112.5	114.0	115.9	122.4	77.9	17.0	3.8	1.0	0.1	1141.2
0.0	11871.4925	0.1	1.2	4.2	30.1	98.3	114.6	111.1	121.8	119.9	123.1	121.6	119.3	123.0	77.8	17.0	3.8	1.0	0.1	1185.1
0.0	18717.8807	0.1	1.0	3.8	23.0	82.4	106.5	104.2	111.1	121.6	121.6	114.0	112.8	108.8	61.2	13.1	3.7	1.0	0.1	1080.1
0.0	4437.3115	0.1	0.9	2.9	7.6	30.6	66.5	79.9	75.3	65.8	66.9	76.3	73.0	49.0	18.8	5.9	2.9	0.8	0.1	623.3
0.0	8528	0.1	0.8	2.4	4.6	12.0	29.7	46.2	48.1	37.0	34.6	40.1	33.7	19.6	8.6	4.8	2.0	0.7	0.1	325.1
0.0	7917	0.1	0.6	1.7	3.6	5.5	9.7	16.1	20.0	18.6	17.1	16.4	12.7	8.3	5.7	3.2	1.5	0.5	0.0	141.2
0.0	65.1	0.0	0.4	1.2	2.3	3.6	4.9	6.0	7.0	7.6	7.5	7.0	6.0	4.8	3.2	2.0	1.0	0.3	0.0	65.1
0.0	35.2	0.0	0.2	0.7	1.3	2.0	2.8	3.4	3.8	3.9	3.9	3.7	3.2	2.6	1.9	1.2	0.5	0.1	0.0	35.2
0.0	10.0	0.0	0.1	0.2	0.3	0.6	0.8	1.0	1.2	1.2	1.2	1.1	0.9	0.7	0.4	0.2	0.1	0.0	0.0	10.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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: 7959.30lm



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

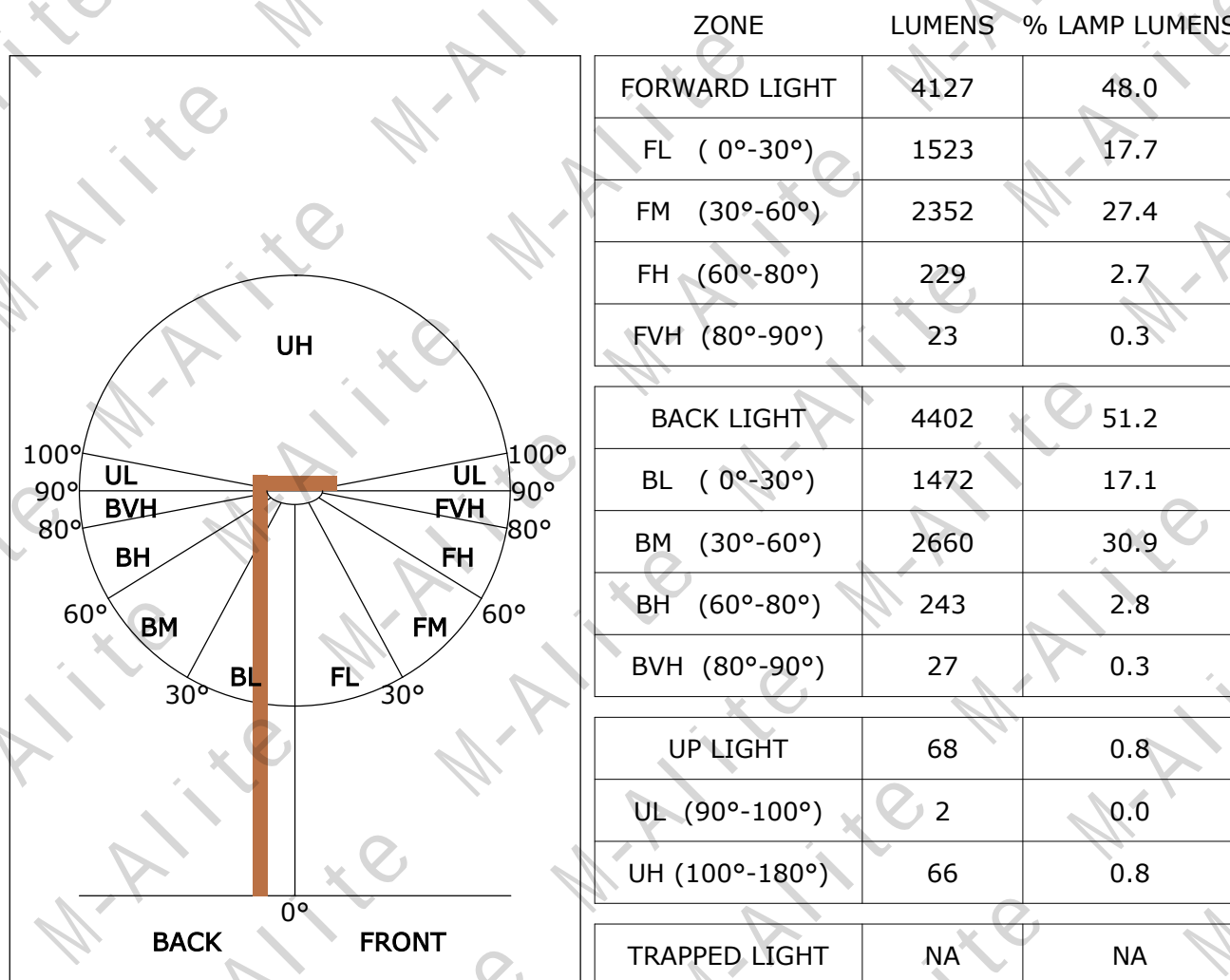
Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.670 m [K=1.0000]
Humidity:
Inspector:

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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 8597lm ($8\log(F/F_0) = 7.5$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

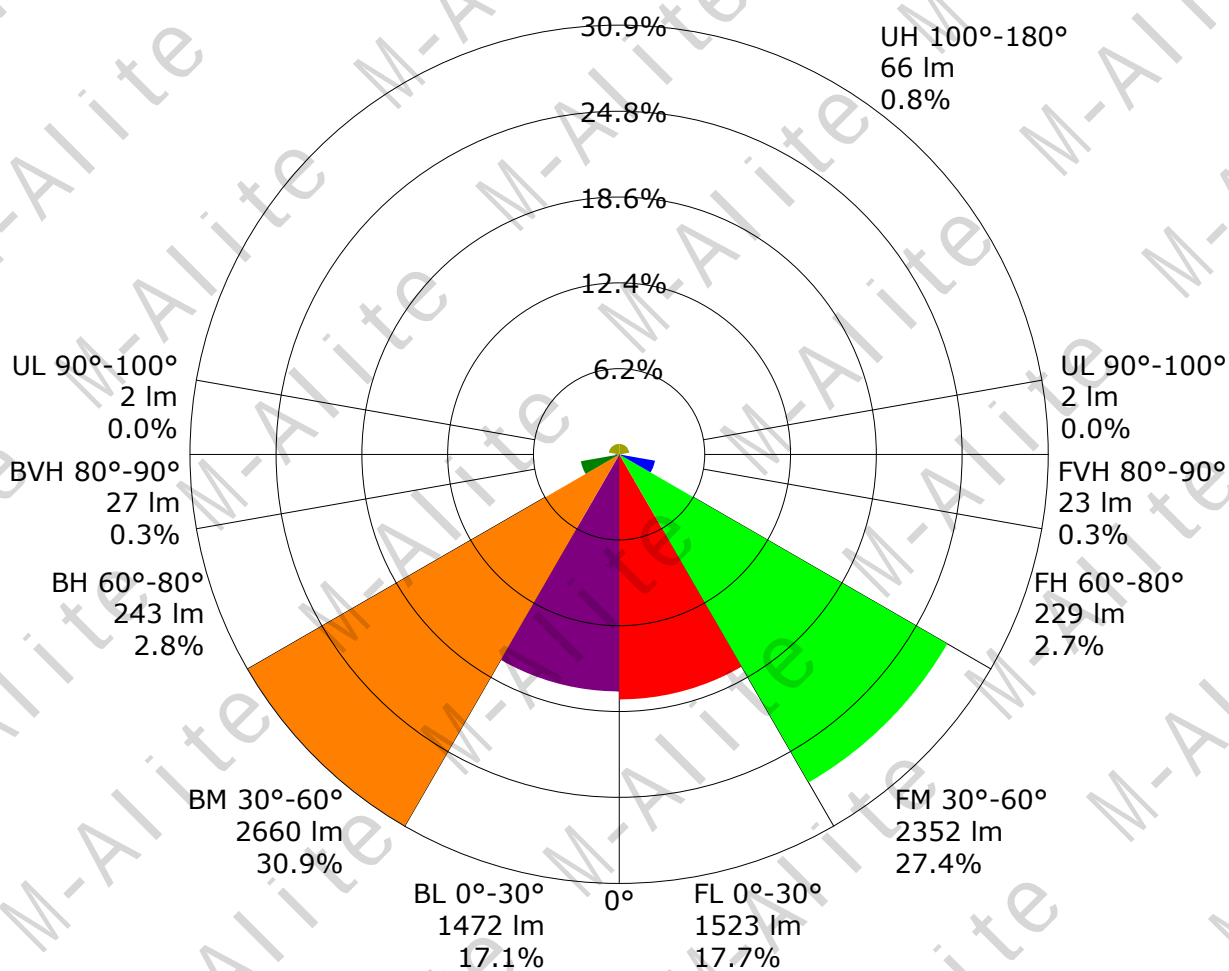


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U2 G1

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

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3877.4	3.7	3.7	0.04	0.04
1.0-2.0	3876.1	11.1	14.8	0.13	0.17
2.0-3.0	3872.6	18.5	33.4	0.22	0.39
3.0-4.0	3868.3	25.9	59.3	0.30	0.69
4.0-5.0	3865.0	33.3	92.5	0.39	1.08
5.0-6.0	3862.1	40.6	133.1	0.47	1.55
6.0-7.0	3857.4	47.9	181.0	0.56	2.11
7.0-8.0	3848.8	55.1	236.1	0.64	2.75
8.0-9.0	3836.5	62.2	298.3	0.72	3.47
9.0-10.0	3821.6	69.2	367.4	0.80	4.27
10.0-11.0	3801.7	76.0	443.4	0.88	5.16
11.0-12.0	3777.9	82.6	526.0	0.96	6.12
12.0-13.0	3753.0	89.1	615.1	1.04	7.15
13.0-14.0	3724.7	95.4	710.4	1.11	8.26
14.0-15.0	3693.2	101.4	811.8	1.18	9.44
15.0-16.0	3660.5	107.3	919.1	1.25	10.69
16.0-17.0	3628.3	113.0	1032.1	1.31	12.01
17.0-18.0	3599.4	118.7	1150.8	1.38	13.39
18.0-19.0	3570.5	124.2	1275.0	1.45	14.83
19.0-20.0	3541.5	129.6	1404.7	1.51	16.34
20.0-21.0	3515.7	135.0	1539.7	1.57	17.91
21.0-22.0	3492.2	140.4	1680.1	1.63	19.54
22.0-23.0	3471.1	145.7	1825.7	1.69	21.24
23.0-24.0	3451.9	150.9	1976.7	1.76	22.99
24.0-25.0	3435.2	156.2	2132.9	1.82	24.81
25.0-26.0	3421.3	161.5	2294.4	1.88	26.69
26.0-27.0	3410.0	166.9	2461.3	1.94	28.63
27.0-28.0	3402.0	172.3	2633.5	2.00	30.63
28.0-29.0	3397.9	177.8	2811.3	2.07	32.70
29.0-30.0	3396.6	183.4	2994.7	2.13	34.83
30.0-31.0	3397.5	189.1	3183.8	2.20	37.03
31.0-32.0	3400.8	194.9	3378.7	2.27	39.30
32.0-33.0	3405.1	200.6	3579.3	2.33	41.63
33.0-34.0	3409.0	206.3	3785.7	2.40	44.03
34.0-35.0	3410.9	211.9	3997.5	2.46	46.50
35.0-36.0	3408.7	217.1	4214.6	2.52	49.02

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Temperature:
Operator: Sike

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	3401.4	221.9	4436.4	2.58	51.60
37.0-38.0	3381.5	225.7	4662.2	2.63	54.23
38.0-39.0	3348.4	228.6	4890.8	2.66	56.89
39.0-40.0	3301.3	230.3	5121.0	2.68	59.57
40.0-41.0	3237.6	230.6	5351.6	2.68	62.25
41.0-42.0	3158.6	229.5	5581.1	2.67	64.92
42.0-43.0	3055.9	226.4	5807.5	2.63	67.55
43.0-44.0	2933.0	221.4	6028.9	2.58	70.13
44.0-45.0	2793.1	214.7	6243.6	2.50	72.62
45.0-46.0	2632.1	205.9	6449.5	2.39	75.02
46.0-47.0	2461.4	195.8	6645.3	2.28	77.30
47.0-48.0	2271.5	183.7	6828.9	2.14	79.43
48.0-49.0	2068.3	169.9	6998.8	1.98	81.41
49.0-50.0	1870.3	156.0	7154.8	1.81	83.22
50.0-51.0	1665.1	140.9	7295.7	1.64	84.86
51.0-52.0	1463.7	125.6	7421.3	1.46	86.32
52.0-53.0	1278.0	111.2	7532.5	1.29	87.62
53.0-54.0	1110.1	97.9	7630.3	1.14	88.75
54.0-55.0	963.9	86.1	7716.4	1.00	89.76
55.0-56.0	827.7	74.8	7791.2	0.87	90.63
56.0-57.0	706.1	64.6	7855.8	0.75	91.38
57.0-58.0	611.6	56.6	7912.3	0.66	92.03
58.0-59.0	532.5	49.8	7962.1	0.58	92.61
59.0-60.0	466.2	44.0	8006.2	0.51	93.13
60.0-61.0	411.9	39.3	8045.5	0.46	93.58
61.0-62.0	366.4	35.3	8080.8	0.41	93.99
62.0-63.0	330.4	32.1	8112.9	0.37	94.37
63.0-64.0	304.0	29.8	8142.8	0.35	94.72
64.0-65.0	291.1	28.8	8171.6	0.34	95.05
65.0-66.0	288.8	28.8	8200.4	0.34	95.39
66.0-67.0	283.3	28.5	8228.9	0.33	95.72
67.0-68.0	270.3	27.4	8256.3	0.32	96.04
68.0-69.0	257.0	26.2	8282.5	0.30	96.34
69.0-70.0	240.3	24.7	8307.2	0.29	96.63
70.0-71.0	220.1	22.8	8329.9	0.26	96.89
71.0-72.0	203.3	21.1	8351.1	0.25	97.14

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

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	189.0	19.8	8370.8	0.23	97.37
73.0-74.0	176.0	18.5	8389.3	0.22	97.58
74.0-75.0	165.3	17.5	8406.8	0.20	97.79
75.0-76.0	155.2	16.5	8423.3	0.19	97.98
76.0-77.0	144.9	15.4	8438.7	0.18	98.16
77.0-78.0	134.3	14.4	8453.1	0.17	98.32
78.0-79.0	124.5	13.4	8466.5	0.16	98.48
79.0-80.0	114.3	12.3	8478.8	0.14	98.62
80.0-81.0	103.5	11.2	8490.0	0.13	98.75
81.0-82.0	92.0	10.0	8500.0	0.12	98.87
82.0-83.0	79.4	8.6	8508.6	0.10	98.97
83.0-84.0	66.0	7.2	8515.8	0.08	99.05
84.0-85.0	51.0	5.6	8521.4	0.06	99.12
85.0-86.0	34.6	3.8	8525.1	0.04	99.16
86.0-87.0	20.0	2.2	8527.3	0.03	99.19
87.0-88.0	9.7	1.1	8528.4	0.01	99.20
88.0-89.0	4.2	0.5	8528.9	0.01	99.21
89.0-90.0	2.0	0.2	8529.1	0.00	99.21
90.0-91.0	1.6	0.2	8529.3	0.00	99.21
91.0-92.0	1.7	0.2	8529.4	0.00	99.21
92.0-93.0	1.6	0.2	8529.6	0.00	99.22
93.0-94.0	1.6	0.2	8529.8	0.00	99.22
94.0-95.0	1.7	0.2	8530.0	0.00	99.22
95.0-96.0	1.8	0.2	8530.2	0.00	99.22
96.0-97.0	2.0	0.2	8530.4	0.00	99.22
97.0-98.0	2.2	0.2	8530.6	0.00	99.23
98.0-99.0	2.4	0.3	8530.9	0.00	99.23
99.0-100.0	2.7	0.3	8531.2	0.00	99.23
100.0-101.0	3.0	0.3	8531.5	0.00	99.24
101.0-102.0	3.0	0.3	8531.8	0.00	99.24
102.0-103.0	3.3	0.4	8532.2	0.00	99.25
103.0-104.0	3.5	0.4	8532.6	0.00	99.25
104.0-105.0	3.9	0.4	8533.0	0.00	99.25
105.0-106.0	4.4	0.5	8533.5	0.01	99.26
106.0-107.0	4.7	0.5	8534.0	0.01	99.27
107.0-108.0	5.0	0.5	8534.5	0.01	99.27

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

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	5.4	0.6	8535.0	0.01	99.28
109.0-110.0	5.7	0.6	8535.6	0.01	99.28
110.0-111.0	6.0	0.6	8536.2	0.01	99.29
111.0-112.0	6.4	0.7	8536.9	0.01	99.30
112.0-113.0	6.8	0.7	8537.6	0.01	99.31
113.0-114.0	7.2	0.7	8538.3	0.01	99.32
114.0-115.0	7.4	0.7	8539.0	0.01	99.32
115.0-116.0	7.7	0.8	8539.8	0.01	99.33
116.0-117.0	8.4	0.8	8540.6	0.01	99.34
117.0-118.0	8.8	0.9	8541.5	0.01	99.35
118.0-119.0	9.2	0.9	8542.4	0.01	99.36
119.0-120.0	9.5	0.9	8543.3	0.01	99.37
120.0-121.0	9.6	0.9	8544.2	0.01	99.38
121.0-122.0	10.2	1.0	8545.1	0.01	99.40
122.0-123.0	10.7	1.0	8546.1	0.01	99.41
123.0-124.0	11.0	1.0	8547.1	0.01	99.42
124.0-125.0	11.4	1.0	8548.2	0.01	99.43
125.0-126.0	11.9	1.1	8549.2	0.01	99.44
126.0-127.0	12.2	1.1	8550.3	0.01	99.46
127.0-128.0	12.8	1.1	8551.4	0.01	99.47
128.0-129.0	13.0	1.1	8552.5	0.01	99.48
129.0-130.0	13.1	1.1	8553.6	0.01	99.49
130.0-131.0	13.7	1.1	8554.8	0.01	99.51
131.0-132.0	14.1	1.2	8555.9	0.01	99.52
132.0-133.0	14.2	1.2	8557.1	0.01	99.53
133.0-134.0	14.5	1.2	8558.2	0.01	99.55
134.0-135.0	14.9	1.2	8559.4	0.01	99.56
135.0-136.0	15.1	1.2	8560.6	0.01	99.58
136.0-137.0	15.3	1.2	8561.7	0.01	99.59
137.0-138.0	15.8	1.2	8562.9	0.01	99.60
138.0-139.0	16.3	1.2	8564.1	0.01	99.62
139.0-140.0	16.7	1.2	8565.3	0.01	99.63
140.0-141.0	17.0	1.2	8566.5	0.01	99.64
141.0-142.0	17.2	1.2	8567.6	0.01	99.66
142.0-143.0	17.6	1.2	8568.8	0.01	99.67
143.0-144.0	18.1	1.2	8570.0	0.01	99.68

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

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	18.4	1.2	8571.2	0.01	99.70
145.0-146.0	18.7	1.2	8572.3	0.01	99.71
146.0-147.0	19.2	1.2	8573.5	0.01	99.73
147.0-148.0	19.5	1.1	8574.6	0.01	99.74
148.0-149.0	19.8	1.1	8575.8	0.01	99.75
149.0-150.0	20.3	1.1	8576.9	0.01	99.76
150.0-151.0	20.9	1.1	8578.0	0.01	99.78
151.0-152.0	21.3	1.1	8579.1	0.01	99.79
152.0-153.0	21.6	1.1	8580.2	0.01	99.80
153.0-154.0	21.8	1.1	8581.3	0.01	99.82
154.0-155.0	22.2	1.0	8582.4	0.01	99.83
155.0-156.0	22.8	1.0	8583.4	0.01	99.84
156.0-157.0	23.2	1.0	8584.4	0.01	99.85
157.0-158.0	23.6	1.0	8585.4	0.01	99.86
158.0-159.0	23.8	1.0	8586.3	0.01	99.87
159.0-160.0	24.2	0.9	8587.3	0.01	99.89
160.0-161.0	24.6	0.9	8588.2	0.01	99.90
161.0-162.0	24.8	0.9	8589.0	0.01	99.91
162.0-163.0	25.0	0.8	8589.9	0.01	99.92
163.0-164.0	25.4	0.8	8590.7	0.01	99.92
164.0-165.0	25.7	0.8	8591.4	0.01	99.93
165.0-166.0	25.9	0.7	8592.1	0.01	99.94
166.0-167.0	26.1	0.7	8592.8	0.01	99.95
167.0-168.0	26.3	0.6	8593.4	0.01	99.96
168.0-169.0	26.5	0.6	8594.0	0.01	99.96
169.0-170.0	26.4	0.5	8594.5	0.01	99.97
170.0-171.0	26.7	0.5	8595.0	0.01	99.98
171.0-172.0	27.1	0.4	8595.4	0.01	99.98
172.0-173.0	27.1	0.4	8595.8	0.00	99.99
173.0-174.0	27.1	0.3	8596.2	0.00	99.99
174.0-175.0	27.2	0.3	8596.5	0.00	99.99
175.0-176.0	27.2	0.2	8596.7	0.00	100.00
176.0-177.0	27.4	0.2	8596.9	0.00	100.00
177.0-178.0	27.6	0.1	8597.0	0.00	100.00
178.0-179.0	27.6	0.1	8597.1	0.00	100.00
179.0-180.0	27.5	0.0	8597.1	0.00	100.00

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

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°): 6243.62 lm

%lum = 72.6%

%lamp = 72.6%

cone flux(120°): 8006.15 lm

%lum = 93.1%

%lamp = 93.1%