

Report No.:

Test Time: 2018-3-14 14:33

Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp
Voltage: 120.1 V
Power: 79.6 W

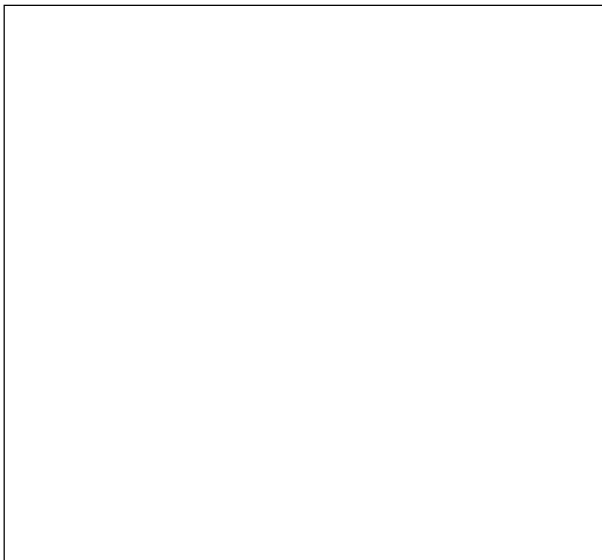
Current: 0.6811 A
Power Factor: 0.9739

Photometric Results

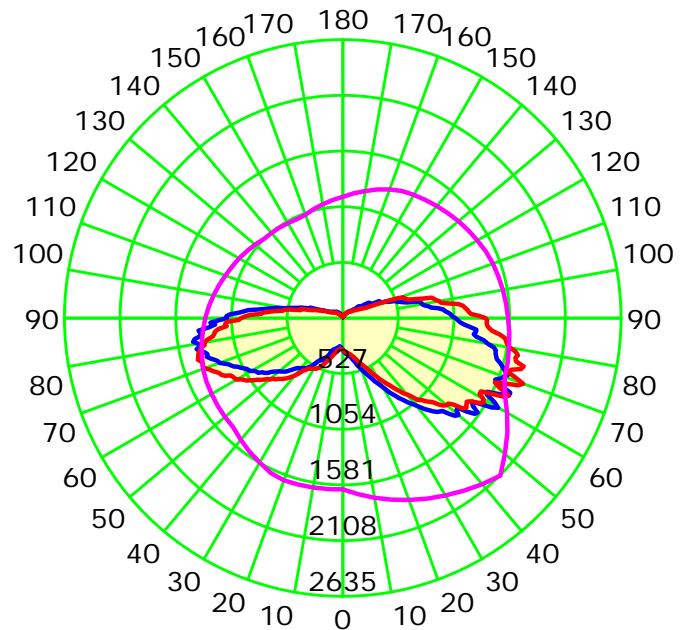
IES Classification: Type I
Total Rated Lamp Lumens: 9261.46 lm
Efficiency: 100%
Upward Ratio: 24%
Central Intensity: 302.91 cd
Pos of Max. Intensity: H45 V67

Longitudinal Classification: Short
Measurement Flux: 9261.46 lm
Downward Ratio: 76%
Luminaire Efficacy Rating (LER): 116.35
Max. Intensity: 2108.26 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 192.1°

— C0-C180 — C90-C270 — G67

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 20.6 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

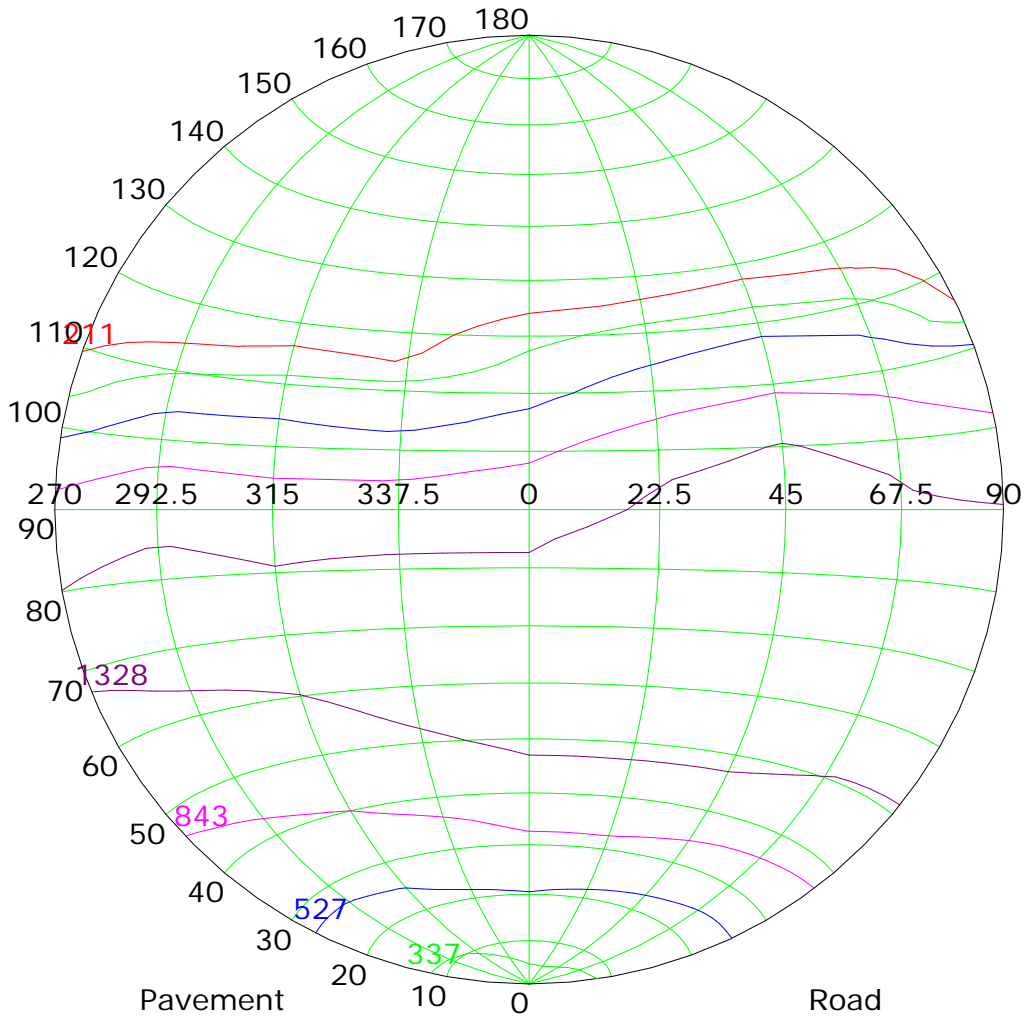
Test Device: GPM-3000

Distance: 17.398 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 2108 cd

— (10%): 211 cd	— (16%): 337 cd
— (25%): 527 cd	— (40%): 843 cd
— (63%): 1328 cd	— (100%): 2108 cd

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 20.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

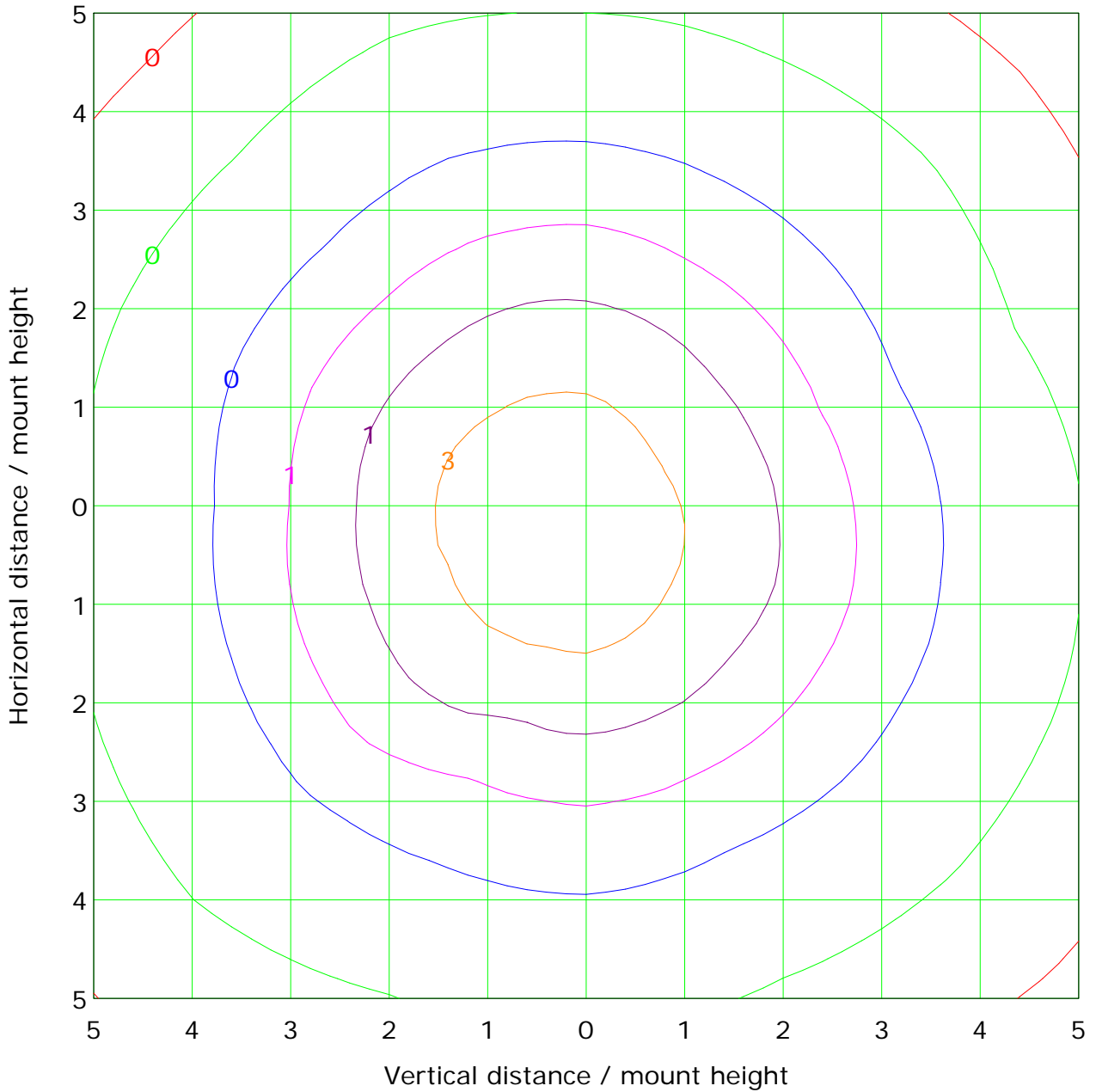
Test Device: GPM-3000

Distance: 17.398 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 5.1 lx

— (1%): 0.1 lx	— (2%): 0.1 lx
— (5%): 0.3 lx	— (10%): 0.5 lx
— (20%): 1.0 lx	— (50%): 2.5 lx
— (100%): 5.1 lx	

C Plane (°):0.0-360.0: 22.5

Test Lab:

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Temperature: 20.6 'C

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Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

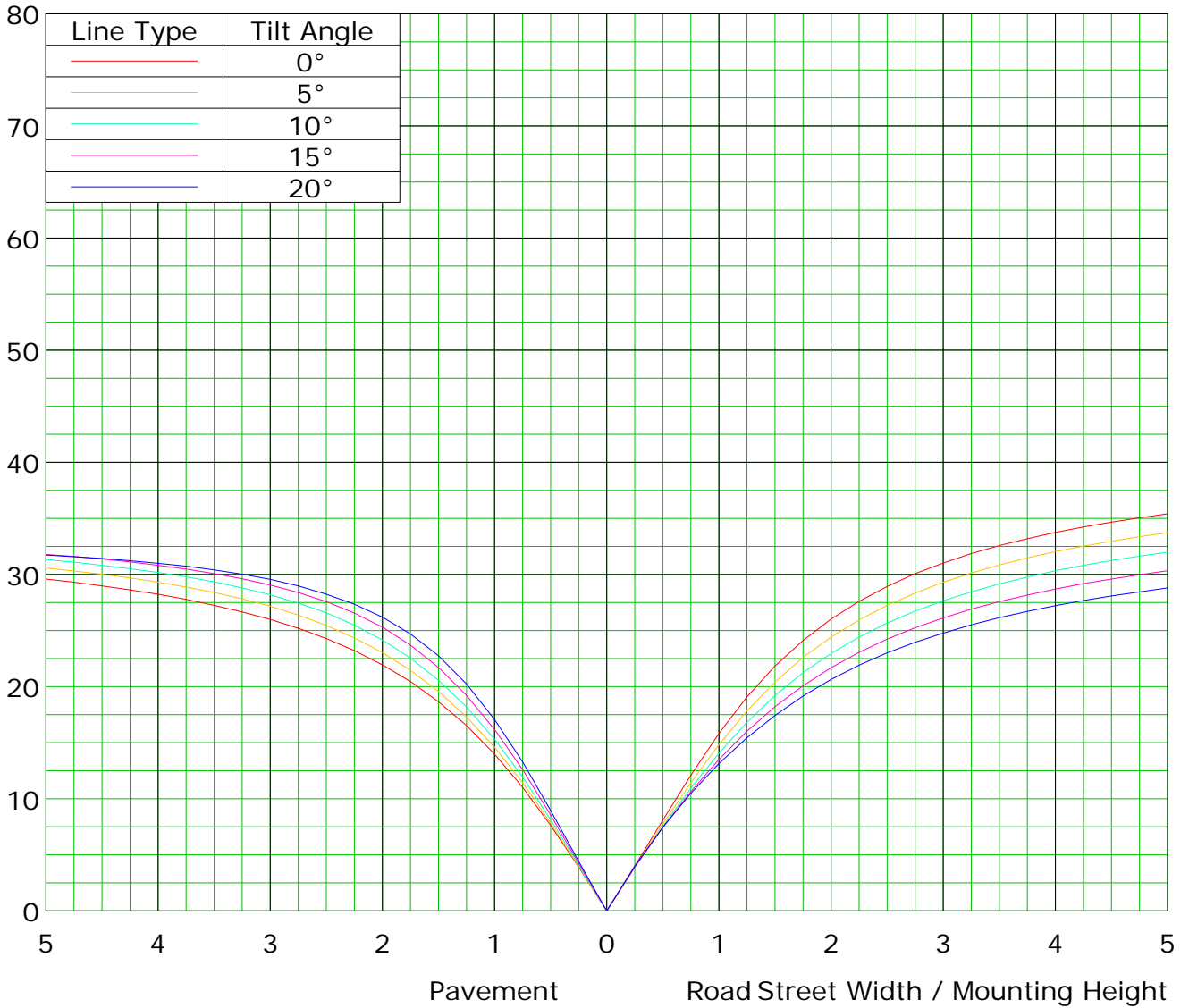
Distance: 17.398 m

Humidity:

Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 20.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

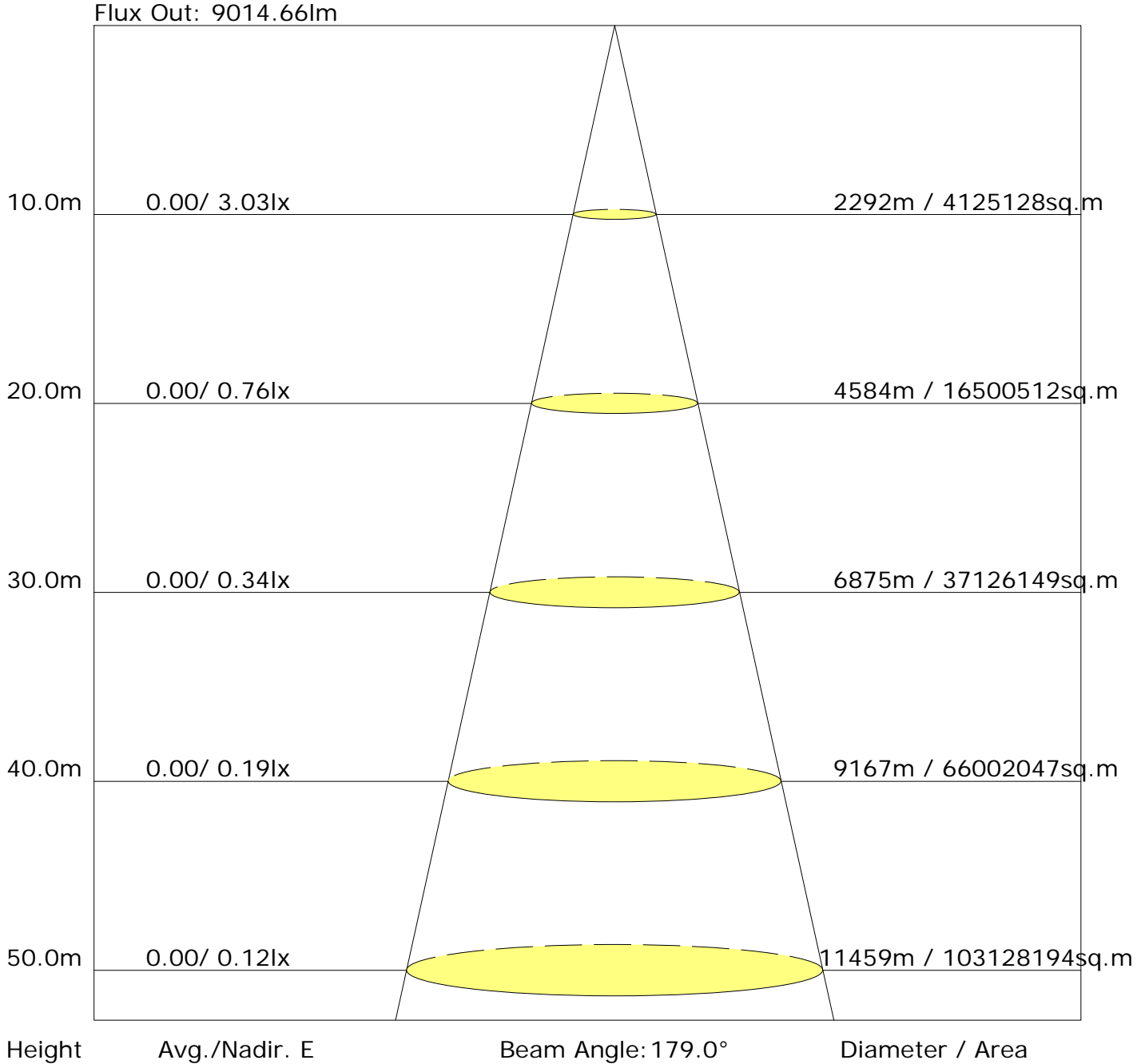
Test Device: GPM-3000

Distance: 17.398 m

Humidity:

Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 20.6 'C

Operator:

Gamma Plane (°):0.0-180.0: 1.0

Test Device: GPM-3000

Distance: 17.398 m

Humidity:

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	3854	41.6
	FL (0°-30°)	193	2.1
	FM (30°-60°)	1235	13.3
	FH (60°-80°)	1626	17.6
	FVH (80°-90°)	801	8.6
	BACK LIGHT	3201	34.6
	BL (0°-30°)	185	2.0
	BM (30°-60°)	1010	10.9
	BH (60°-80°)	1355	14.6
	BVH (80°-90°)	651	7.0
	UP LIGHT	2207	23.8
	UL (90°-100°)	1068	11.5
	UH (100°-180°)	1139	12.3
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U5 G5
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U5 G5

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 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 17.398 m
 Humidity:
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	302.6	0.3	0.3	0.00	0.00
1.0-2.0	302.9	0.9	1.2	0.01	0.01
2.0-3.0	304.4	1.5	2.6	0.02	0.03
3.0-4.0	306.2	2.0	4.7	0.02	0.05
4.0-5.0	307.7	2.6	7.3	0.03	0.08
5.0-6.0	309.3	3.3	10.6	0.04	0.11
6.0-7.0	312.0	3.9	14.4	0.04	0.16
7.0-8.0	316.3	4.5	19.0	0.05	0.20
8.0-9.0	320.9	5.2	24.2	0.06	0.26
9.0-10.0	325.3	5.9	30.1	0.06	0.32
10.0-11.0	330.7	6.6	36.7	0.07	0.40
11.0-12.0	337.3	7.4	44.0	0.08	0.48
12.0-13.0	344.7	8.2	52.2	0.09	0.56
13.0-14.0	352.8	9.0	61.3	0.10	0.66
14.0-15.0	361.5	9.9	71.2	0.11	0.77
15.0-16.0	372.1	10.9	82.1	0.12	0.89
16.0-17.0	384.6	12.0	94.1	0.13	1.02
17.0-18.0	397.8	13.1	107.2	0.14	1.16
18.0-19.0	412.0	14.3	121.5	0.15	1.31
19.0-20.0	426.6	15.6	137.1	0.17	1.48
20.0-21.0	441.6	17.0	154.1	0.18	1.66
21.0-22.0	457.2	18.4	172.5	0.20	1.86
22.0-23.0	471.8	19.8	192.3	0.21	2.08
23.0-24.0	486.4	21.3	213.5	0.23	2.31
24.0-25.0	502.7	22.9	236.4	0.25	2.55
25.0-26.0	519.9	24.5	260.9	0.27	2.82
26.0-27.0	537.9	26.3	287.3	0.28	3.10
27.0-28.0	556.2	28.2	315.4	0.30	3.41
28.0-29.0	574.8	30.1	345.5	0.32	3.73
29.0-30.0	594.3	32.1	377.6	0.35	4.08
30.0-31.0	613.9	34.2	411.8	0.37	4.45
31.0-32.0	633.1	36.3	448.0	0.39	4.84
32.0-33.0	652.7	38.5	486.5	0.42	5.25
33.0-34.0	673.2	40.7	527.2	0.44	5.69
34.0-35.0	693.9	43.1	570.3	0.47	6.16
35.0-36.0	715.3	45.6	615.9	0.49	6.65

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Test Device: GPM-3000

Distance: 17.398 m

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	737.7	48.1	664.0	0.52	7.17
37.0-38.0	759.7	50.7	714.7	0.55	7.72
38.0-39.0	781.5	53.4	768.1	0.58	8.29
39.0-40.0	806.1	56.2	824.3	0.61	8.90
40.0-41.0	831.4	59.2	883.5	0.64	9.54
41.0-42.0	855.8	62.2	945.7	0.67	10.21
42.0-43.0	881.2	65.3	1011.0	0.70	10.92
43.0-44.0	906.1	68.4	1079.4	0.74	11.65
44.0-45.0	930.7	71.5	1150.9	0.77	12.43
45.0-46.0	955.7	74.8	1225.7	0.81	13.23
46.0-47.0	979.2	77.9	1303.6	0.84	14.08
47.0-48.0	1002.5	81.1	1384.6	0.88	14.95
48.0-49.0	1028.2	84.4	1469.1	0.91	15.86
49.0-50.0	1057.8	88.2	1557.3	0.95	16.81
50.0-51.0	1085.2	91.8	1649.1	0.99	17.81
51.0-52.0	1103.7	94.7	1743.8	1.02	18.83
52.0-53.0	1123.0	97.7	1841.5	1.05	19.88
53.0-54.0	1148.2	101.2	1942.7	1.09	20.98
54.0-55.0	1178.2	105.2	2047.9	1.14	22.11
55.0-56.0	1207.1	109.1	2157.0	1.18	23.29
56.0-57.0	1225.6	112.1	2269.1	1.21	24.50
57.0-58.0	1236.9	114.4	2383.5	1.24	25.74
58.0-59.0	1253.8	117.2	2500.7	1.27	27.00
59.0-60.0	1285.4	121.5	2622.2	1.31	28.31
60.0-61.0	1319.8	126.0	2748.1	1.36	29.67
61.0-62.0	1339.9	129.1	2877.3	1.39	31.07
62.0-63.0	1346.7	131.0	3008.3	1.41	32.48
63.0-64.0	1358.2	133.3	3141.6	1.44	33.92
64.0-65.0	1384.8	137.1	3278.6	1.48	35.40
65.0-66.0	1417.7	141.5	3420.1	1.53	36.93
66.0-67.0	1443.9	145.2	3565.3	1.57	38.50
67.0-68.0	1456.8	147.6	3712.9	1.59	40.09
68.0-69.0	1463.2	149.3	3862.2	1.61	41.70
69.0-70.0	1473.0	151.3	4013.5	1.63	43.34
70.0-71.0	1488.0	153.8	4167.3	1.66	45.00
71.0-72.0	1504.6	156.5	4323.8	1.69	46.69

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 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 17.398 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	1515.4	158.5	4482.3	1.71	48.40
73.0-74.0	1519.0	159.7	4642.0	1.72	50.12
74.0-75.0	1516.1	160.2	4802.2	1.73	51.85
75.0-76.0	1512.1	160.5	4962.7	1.73	53.58
76.0-77.0	1507.0	160.7	5123.4	1.74	55.32
77.0-78.0	1496.3	160.2	5283.6	1.73	57.05
78.0-79.0	1487.1	159.8	5443.4	1.73	58.78
79.0-80.0	1480.3	159.6	5603.0	1.72	60.50
80.0-81.0	1462.8	158.2	5761.2	1.71	62.21
81.0-82.0	1429.0	155.0	5916.2	1.67	63.88
82.0-83.0	1395.0	151.7	6067.9	1.64	65.52
83.0-84.0	1371.7	149.5	6217.3	1.61	67.13
84.0-85.0	1349.7	147.3	6364.7	1.59	68.72
85.0-86.0	1320.3	144.3	6509.0	1.56	70.28
86.0-87.0	1293.7	141.6	6650.6	1.53	71.81
87.0-88.0	1267.6	138.9	6789.5	1.50	73.31
88.0-89.0	1229.3	134.8	6924.2	1.46	74.76
89.0-90.0	1191.2	130.6	7054.9	1.41	76.17
90.0-91.0	1163.8	127.6	7182.5	1.38	77.55
91.0-92.0	1135.6	124.5	7307.0	1.34	78.90
92.0-93.0	1090.4	119.5	7426.4	1.29	80.19
93.0-94.0	1043.8	114.3	7540.7	1.23	81.42
94.0-95.0	1005.9	110.0	7650.7	1.19	82.61
95.0-96.0	961.2	104.9	7755.6	1.13	83.74
96.0-97.0	910.2	99.2	7854.7	1.07	84.81
97.0-98.0	864.5	94.0	7948.7	1.01	85.83
98.0-99.0	824.8	89.5	8038.2	0.97	86.79
99.0-100.0	782.2	84.6	8122.8	0.91	87.71
100.0-101.0	740.5	79.8	8202.6	0.86	88.57
101.0-102.0	707.9	76.1	8278.7	0.82	89.39
102.0-103.0	672.7	72.0	8350.7	0.78	90.17
103.0-104.0	629.4	67.1	8417.8	0.72	90.89
104.0-105.0	582.3	61.8	8479.7	0.67	91.56
105.0-106.0	536.4	56.7	8536.3	0.61	92.17
106.0-107.0	499.9	52.6	8588.9	0.57	92.74
107.0-108.0	473.0	49.5	8638.4	0.53	93.27

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 Test Lab:
 Test Type: TYPE C
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 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-3000
 Distance: 17.398 m
 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	449.7	46.8	8685.1	0.50	93.78
109.0-110.0	421.0	43.5	8728.7	0.47	94.25
110.0-111.0	387.8	39.8	8768.5	0.43	94.68
111.0-112.0	352.7	36.0	8804.5	0.39	95.07
112.0-113.0	322.8	32.7	8837.2	0.35	95.42
113.0-114.0	303.8	30.6	8867.7	0.33	95.75
114.0-115.0	285.3	28.5	8896.2	0.31	96.06
115.0-116.0	262.9	26.0	8922.2	0.28	96.34
116.0-117.0	246.5	24.2	8946.4	0.26	96.60
117.0-118.0	230.4	22.4	8968.8	0.24	96.84
118.0-119.0	211.7	20.4	8989.2	0.22	97.06
119.0-120.0	198.8	19.0	9008.2	0.20	97.27
120.0-121.0	189.8	17.9	9026.1	0.19	97.46
121.0-122.0	180.6	16.9	9043.0	0.18	97.64
122.0-123.0	169.7	15.7	9058.7	0.17	97.81
123.0-124.0	157.3	14.4	9073.1	0.16	97.97
124.0-125.0	144.3	13.0	9086.1	0.14	98.11
125.0-126.0	133.1	11.9	9098.0	0.13	98.24
126.0-127.0	126.0	11.1	9109.1	0.12	98.36
127.0-128.0	120.8	10.5	9119.6	0.11	98.47
128.0-129.0	115.3	9.9	9129.5	0.11	98.58
129.0-130.0	109.3	9.3	9138.8	0.10	98.68
130.0-131.0	103.7	8.6	9147.4	0.09	98.77
131.0-132.0	99.1	8.1	9155.5	0.09	98.86
132.0-133.0	95.2	7.7	9163.2	0.08	98.94
133.0-134.0	91.6	7.3	9170.5	0.08	99.02
134.0-135.0	88.1	6.9	9177.4	0.07	99.09
135.0-136.0	84.7	6.5	9183.9	0.07	99.16
136.0-137.0	81.3	6.1	9190.1	0.07	99.23
137.0-138.0	77.9	5.8	9195.8	0.06	99.29
138.0-139.0	74.5	5.4	9201.2	0.06	99.35
139.0-140.0	71.0	5.1	9206.3	0.05	99.40
140.0-141.0	67.6	4.7	9211.0	0.05	99.46
141.0-142.0	64.2	4.4	9215.4	0.05	99.50
142.0-143.0	60.8	4.1	9219.5	0.04	99.55
143.0-144.0	57.5	3.8	9223.2	0.04	99.59

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 Distance: 17.398 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	54.3	3.5	9226.7	0.04	99.62
145.0-146.0	51.1	3.2	9229.8	0.03	99.66
146.0-147.0	48.2	2.9	9232.8	0.03	99.69
147.0-148.0	45.3	2.7	9235.4	0.03	99.72
148.0-149.0	42.6	2.4	9237.9	0.03	99.75
149.0-150.0	40.2	2.2	9240.1	0.02	99.77
150.0-151.0	38.0	2.1	9242.2	0.02	99.79
151.0-152.0	36.0	1.9	9244.0	0.02	99.81
152.0-153.0	34.1	1.7	9245.8	0.02	99.83
153.0-154.0	32.5	1.6	9247.4	0.02	99.85
154.0-155.0	30.8	1.5	9248.8	0.02	99.86
155.0-156.0	29.4	1.3	9250.1	0.01	99.88
156.0-157.0	28.2	1.2	9251.4	0.01	99.89
157.0-158.0	26.9	1.1	9252.5	0.01	99.90
158.0-159.0	25.7	1.0	9253.5	0.01	99.91
159.0-160.0	24.6	0.9	9254.5	0.01	99.92
160.0-161.0	23.7	0.9	9255.4	0.01	99.93
161.0-162.0	22.7	0.8	9256.1	0.01	99.94
162.0-163.0	21.7	0.7	9256.9	0.01	99.95
163.0-164.0	20.7	0.6	9257.5	0.01	99.96
164.0-165.0	19.6	0.6	9258.1	0.01	99.96
165.0-166.0	18.5	0.5	9258.6	0.01	99.97
166.0-167.0	17.5	0.4	9259.0	0.00	99.97
167.0-168.0	16.6	0.4	9259.4	0.00	99.98
168.0-169.0	15.9	0.3	9259.8	0.00	99.98
169.0-170.0	15.2	0.3	9260.1	0.00	99.99
170.0-171.0	14.7	0.3	9260.3	0.00	99.99
171.0-172.0	14.1	0.2	9260.6	0.00	99.99
172.0-173.0	13.5	0.2	9260.8	0.00	99.99
173.0-174.0	12.9	0.2	9260.9	0.00	99.99
174.0-175.0	13.4	0.1	9261.1	0.00	100.00
175.0-176.0	14.8	0.1	9261.2	0.00	100.00
176.0-177.0	15.7	0.1	9261.3	0.00	100.00
177.0-178.0	16.3	0.1	9261.4	0.00	100.00
178.0-179.0	16.6	0.0	9261.4	0.00	100.00
179.0-180.0	16.9	0.0	9261.4	0.00	100.00

C Plane (°):0.0-360.0: 22.5
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Gamma Plane (°):0.0-180.0:1.0
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