

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P198119

Luminaire Tested: **TT-C3-LED-E1-RW-SG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-SG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4364.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

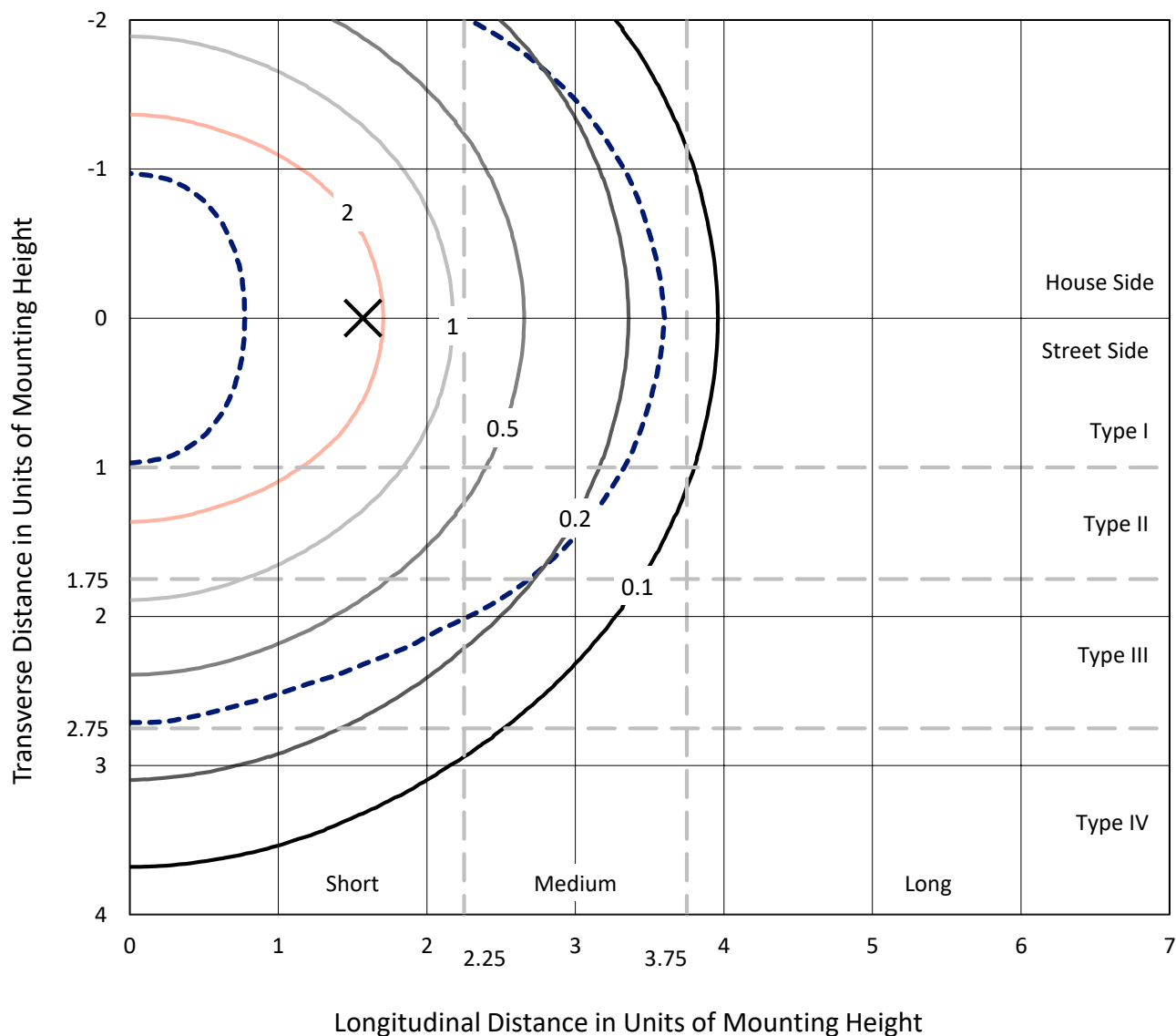


REPORT NUMBER: P198119

CATALOG NUMBER: TT-C3-LED-E1-RW-SG-MS/DIM-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

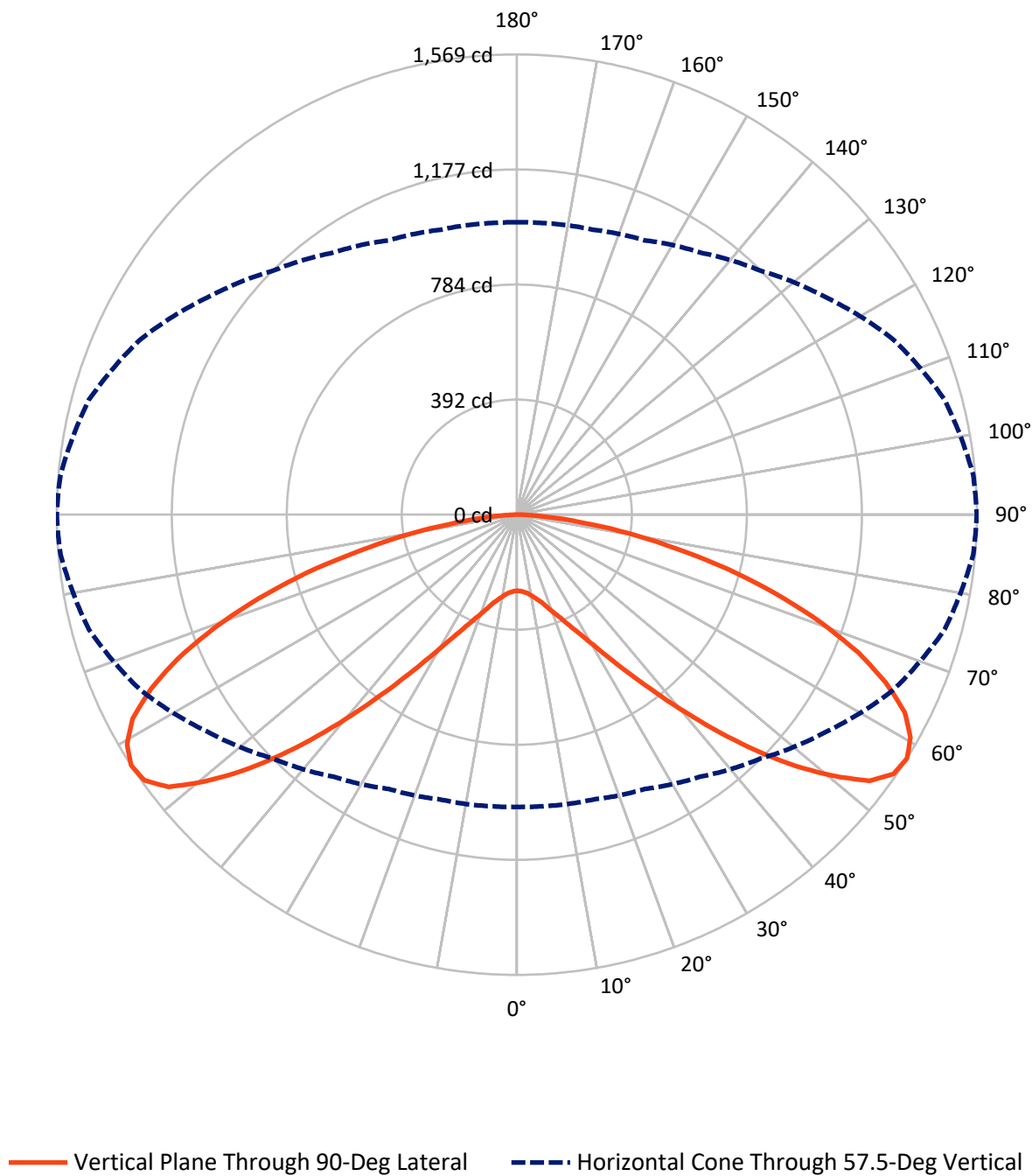


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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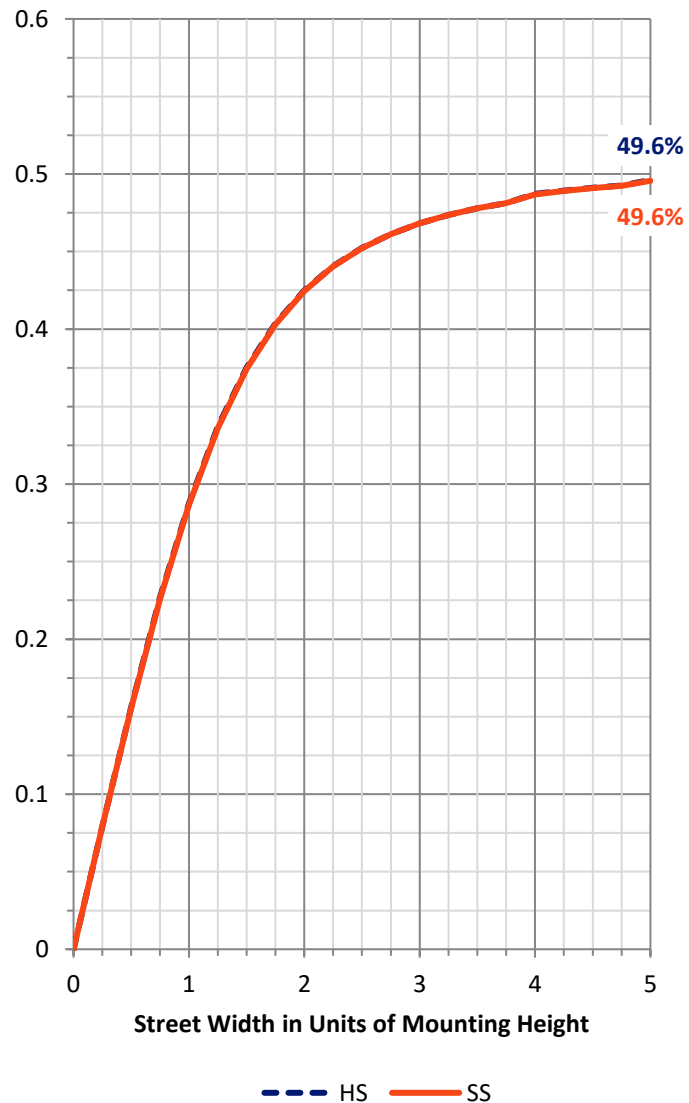
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2182.5	0.0	2182.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2182.5	0.0	2182.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4364.9	0.0	4364.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	0.6
10°-20°	89.1	2.0
20°-30°	194.4	4.5
30°-40°	390.3	8.9
40°-50°	728.8	16.7
50°-60°	1073.5	24.6
60°-70°	1081.4	24.8
70°-80°	645.6	14.8
80°-90°	136.0	3.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4364.9	100.0
0°-180°	4364.9	100.0

Coefficient of Utilization



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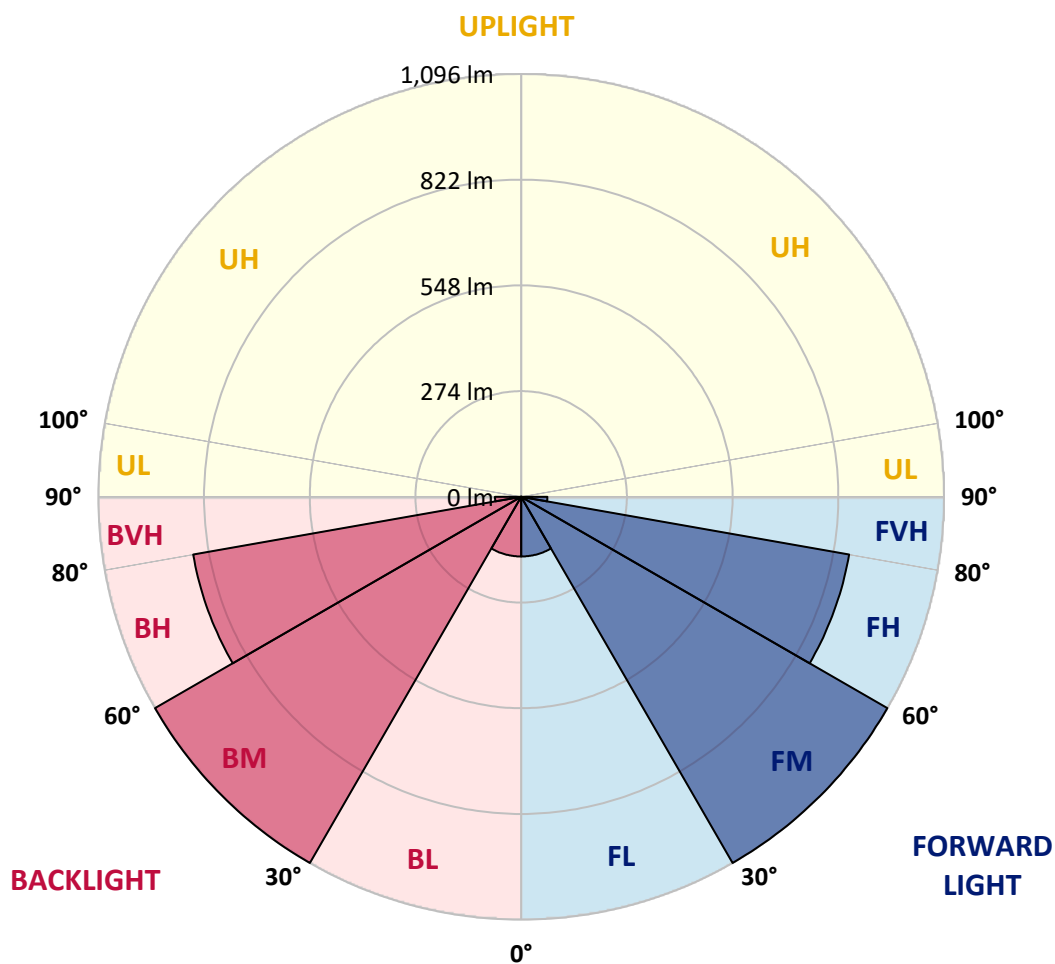
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.7	3.5			
FM	(30°-60°)	1096.3	25.1			
FH	(60°-80°)	863.5	19.8			G1/1800
FVH	(80°-90°)	68.0	1.6			G1/100
BL	(0°-30°)	154.7	3.5	B1/500		
BM	(30°-60°)	1096.3	25.1	B2/2500		
BH	(60°-80°)	863.5	19.8	B2/1000		G2/1000
BVH	(80°-90°)	68.0	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	261.5	261.5	261.5	261.5	261.5	260.5	261.5	260.5	260.5	260.5	260.5
5°	264.3	264.3	264.3	265.3	265.3	265.3	265.3	264.3	265.3	264.3	265.3
7.5°	270.9	270.9	270.9	270.9	270.9	270.9	271.9	270.9	271.9	270.9	270.9
10°	279.5	279.5	279.5	279.5	280.4	280.4	280.4	281.4	281.4	281.4	281.4
12.5°	291.8	291.8	291.8	291.8	291.8	291.8	292.7	292.7	293.7	293.7	293.7
15°	307.9	307.9	306.9	306.9	306.9	307.9	307.9	309.8	308.8	308.8	308.8
17.5°	327.8	326.8	326.8	326.8	326.8	326.8	326.8	328.7	328.7	328.7	329.7
20°	349.6	351.5	350.5	348.6	348.6	348.6	349.6	351.5	351.5	354.3	355.3
22.5°	379.9	380.8	378.9	378.0	375.2	375.2	378.0	378.9	382.7	381.8	382.7
25°	412.1	411.2	410.2	408.3	408.3	408.3	410.2	413.0	415.9	418.7	418.7
27.5°	448.1	447.2	446.2	445.3	443.4	446.2	448.1	454.7	456.6	463.3	461.4
30°	487.9	488.8	486.9	486.0	485.0	486.0	493.6	503.0	510.6	515.4	516.3
32.5°	532.4	533.4	532.4	530.5	532.4	537.2	546.6	558.9	574.1	582.6	585.5
35°	581.7	583.6	581.7	583.6	585.5	594.0	611.0	630.0	656.5	664.1	668.8
37.5°	634.7	632.8	631.9	634.7	643.3	661.3	684.9	718.1	745.6	768.3	768.3
40°	687.8	688.7	689.7	689.7	705.8	730.4	769.3	813.8	854.5	883.9	884.8
42.5°	744.6	744.6	744.6	753.2	773.0	811.9	862.1	927.5	983.4	1010.8	1014.6
45°	802.4	806.2	808.1	819.5	848.8	898.1	964.4	1043.0	1114.1	1151.0	1149.1
47.5°	859.3	864.0	867.8	884.8	924.6	977.7	1060.1	1154.8	1235.4	1277.0	1280.8
50°	918.0	915.2	922.7	943.6	988.1	1056.3	1144.4	1253.4	1345.3	1396.4	1400.2
52.5°	956.8	955.9	963.5	985.3	1037.4	1114.1	1215.5	1339.6	1439.0	1492.1	1507.3
55°	984.3	983.4	991.9	1017.5	1074.3	1155.8	1265.7	1396.4	1496.8	1551.8	1559.4
57.5°	996.6	997.6	1005.2	1031.7	1090.4	1175.7	1289.4	1415.4	1511.0	1562.2	1568.8
60°	994.7	995.7	1002.3	1027.9	1085.7	1168.1	1278.0	1396.4	1487.4	1534.7	1542.3
62.5°	974.8	973.9	979.6	1001.4	1052.5	1129.3	1234.4	1346.2	1432.4	1476.0	1484.5
65°	933.2	932.2	932.2	951.2	994.7	1060.1	1159.6	1259.0	1339.6	1381.3	1383.1
67.5°	864.9	864.9	863.0	874.4	906.6	970.1	1055.4	1146.3	1211.7	1250.5	1256.2
70°	773.0	774.9	768.3	774.9	801.5	851.7	927.5	1000.4	1051.6	1096.1	1098.9
72.5°	672.6	665.0	662.2	664.1	684.0	716.2	781.6	843.2	890.5	920.8	926.5
75°	542.8	542.8	540.9	538.1	549.5	581.7	625.3	675.5	715.3	736.1	743.7
77.5°	415.9	419.7	414.0	414.0	422.5	447.2	485.0	512.5	540.9	555.2	551.4
80°	295.6	294.6	291.8	289.9	299.4	313.6	343.9	360.0	368.5	381.8	387.5
82.5°	182.8	184.7	187.6	179.1	182.8	196.1	212.2	220.7	224.5	230.2	229.3
85°	90.0	90.9	91.9	92.8	92.8	97.6	107.1	110.8	113.7	116.5	114.6
87.5°	33.2	31.3	30.3	30.3	30.3	31.3	36.0	35.1	36.9	36.9	38.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)