

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: P198091

Luminaire Tested: **TT-C2-LED-E1-RW-SG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-RW-SG-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3117.6 lumens
Efficiency: N/A
Efficacy: 91.7 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): 34
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



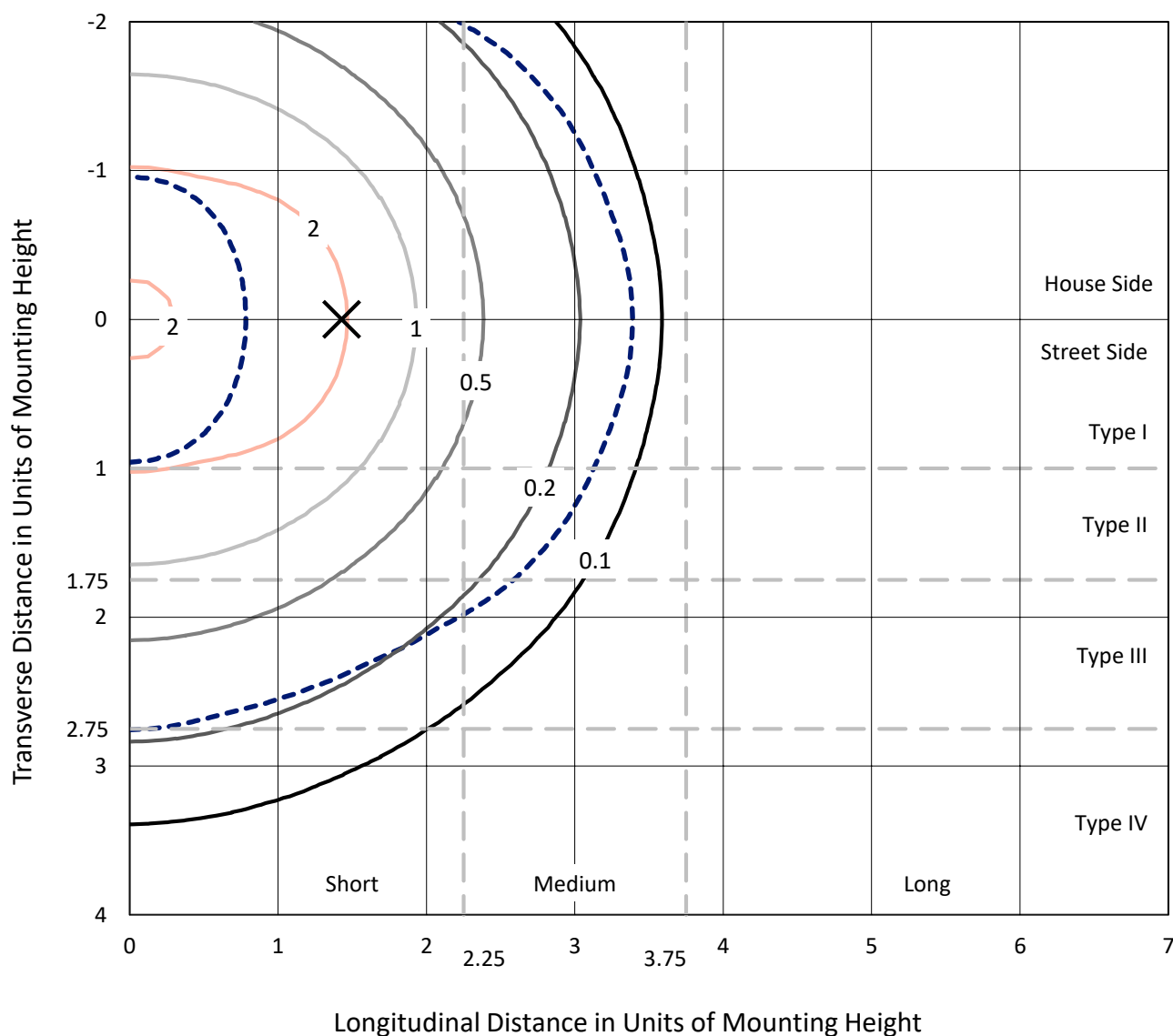
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

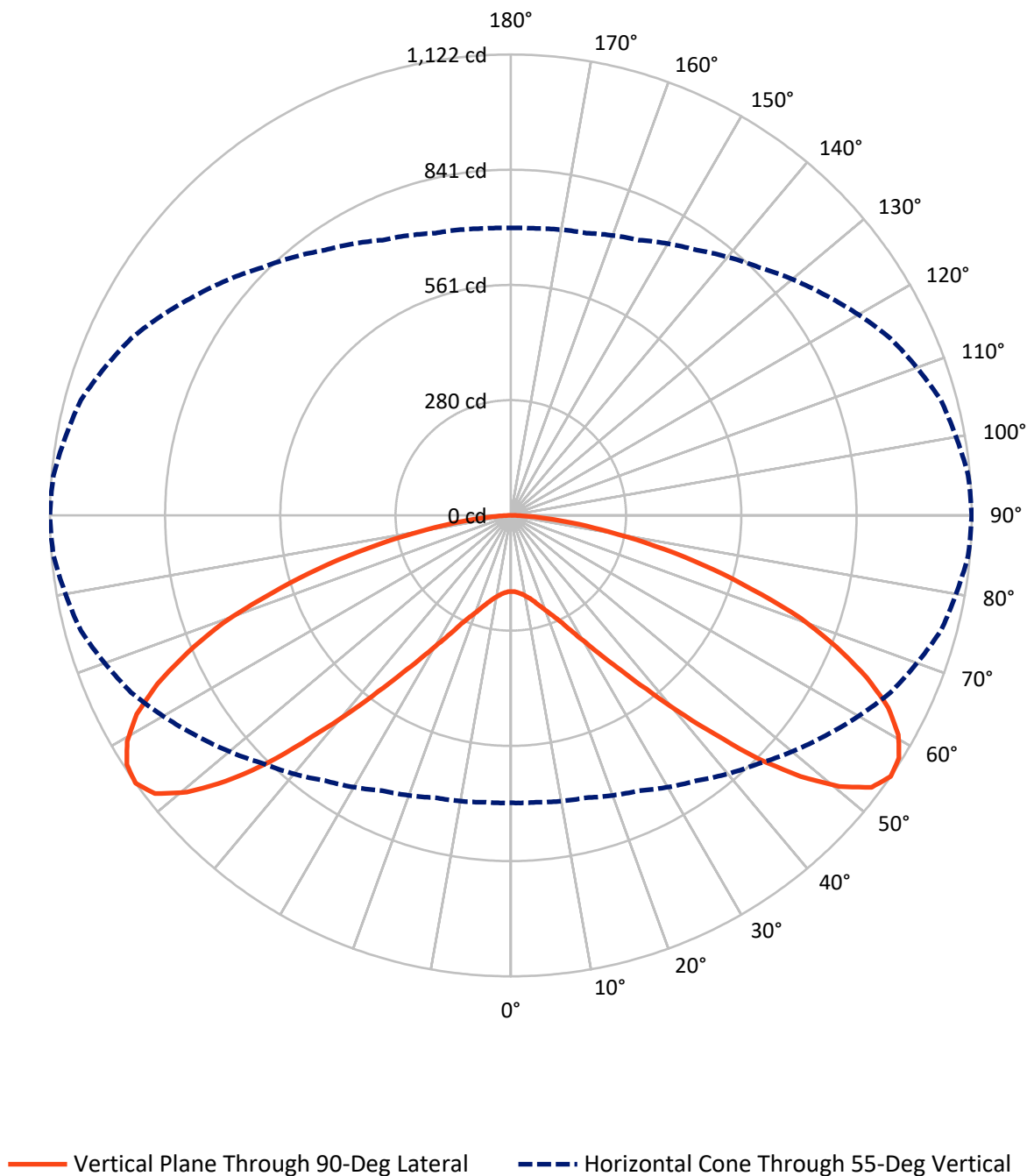


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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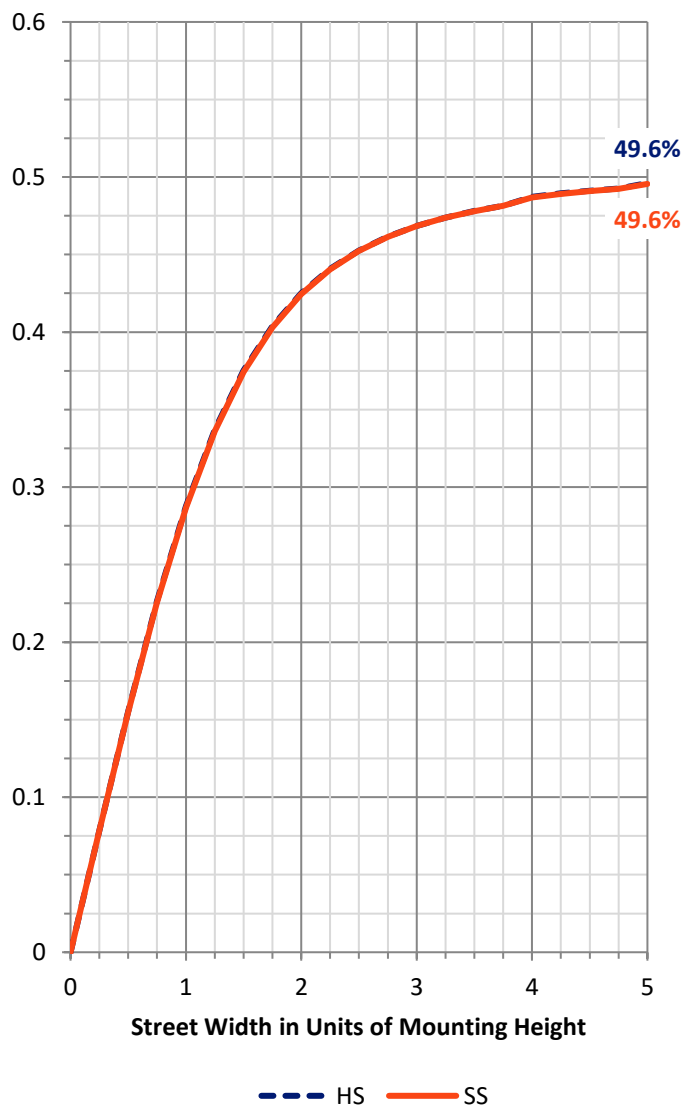
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1558.8	0.0	1558.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1558.8	0.0	1558.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3117.6	0.0	3117.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	0.6
10°-20°	63.6	2.0
20°-30°	139.0	4.5
30°-40°	279.6	9.0
40°-50°	528.4	16.9
50°-60°	779.3	25.0
60°-70°	767.6	24.6
70°-80°	447.0	14.3
80°-90°	94.6	3.0
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°	3117.6	100.0
0°-180°	3117.6	100.0

Coefficient of Utilization



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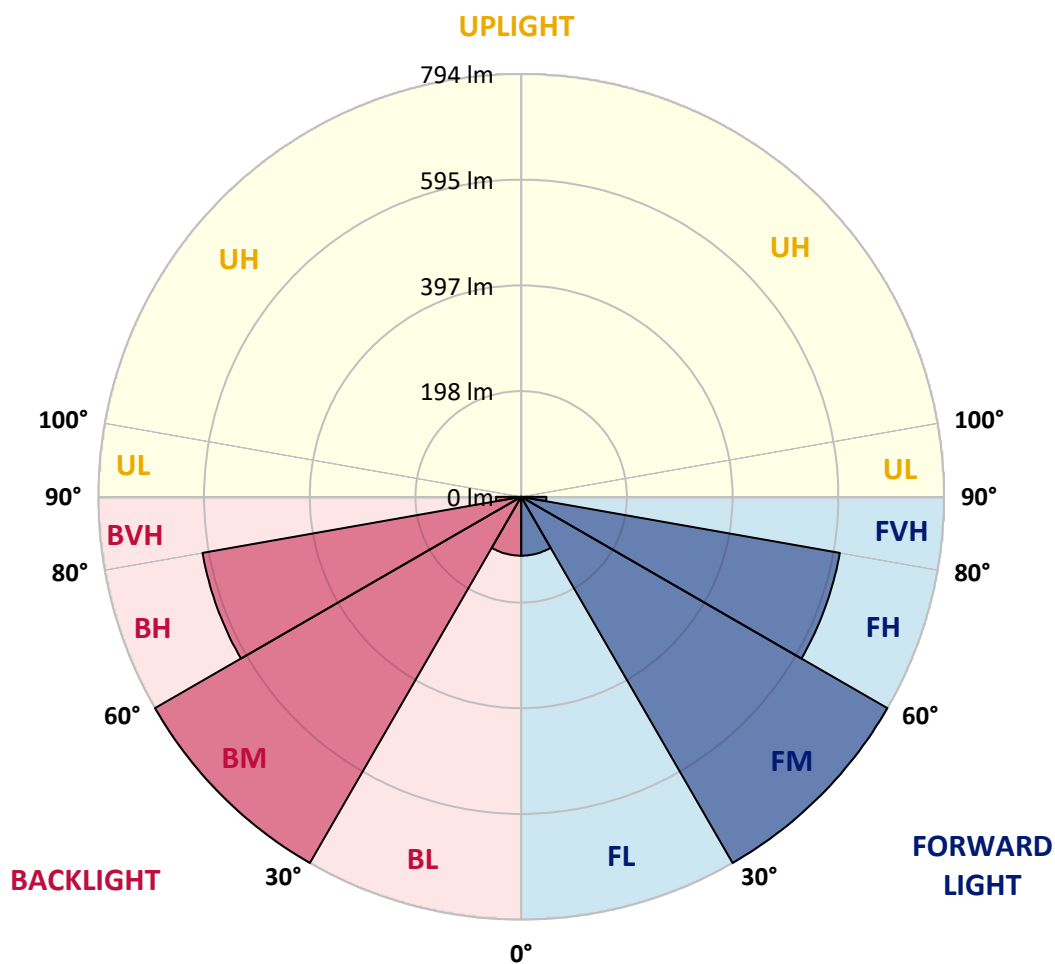
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.5	3.5			
FM	(30°-60°)	793.6	25.5			
FH	(60°-80°)	607.3	19.5			G0/660
FVH	(80°-90°)	47.3	1.5			G1/100
BL	(0°-30°)	110.5	3.5	B1/500		
BM	(30°-60°)	793.6	25.5	B1/1000		
BH	(60°-80°)	607.3	19.5	B2/1000		G2/1000
BVH	(80°-90°)	47.3	1.5			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°	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2	185.2
2.5°	186.6	186.6	186.6	186.6	185.9	186.6	185.9	185.9	185.9	185.9	185.9
5°	188.8	189.5	188.8	188.8	188.8	188.8	188.8	188.8	188.1	188.1	188.8
7.5°	193.8	193.8	193.8	193.8	193.1	193.8	193.1	193.1	193.1	193.1	193.1
10°	201.0	201.0	201.0	201.0	200.3	200.3	200.3	199.6	199.6	199.6	199.6
12.5°	209.7	210.4	210.4	209.7	208.9	208.9	208.2	208.2	208.2	208.2	207.5
15°	222.6	221.9	221.9	220.5	220.5	219.0	219.8	219.0	218.3	217.6	218.3
17.5°	235.6	236.3	236.3	234.9	234.2	233.4	232.0	232.0	231.3	232.0	232.0
20°	255.8	255.8	254.3	252.9	250.7	250.0	248.6	248.6	247.1	248.6	248.6
22.5°	276.0	276.0	274.5	273.8	270.9	268.7	268.0	267.3	266.6	268.0	266.6
25°	301.2	301.2	299.7	296.8	294.0	293.2	291.1	291.1	291.8	292.5	289.6
27.5°	327.1	327.8	326.4	324.2	321.3	318.5	318.5	319.2	319.9	322.8	322.1
30°	358.8	358.1	355.9	353.0	351.6	349.4	350.2	353.0	355.9	358.8	358.8
32.5°	391.2	390.5	389.8	386.9	386.2	385.5	389.1	394.8	400.6	402.8	406.4
35°	425.8	425.8	425.1	422.9	424.4	428.0	433.7	444.5	453.2	463.3	463.3
37.5°	464.0	462.6	463.3	463.3	466.9	473.4	487.1	508.0	526.0	536.1	536.1
40°	503.6	501.5	502.2	505.8	512.3	528.1	551.9	580.7	609.5	622.5	626.8
42.5°	541.8	539.7	542.5	546.1	562.0	586.5	621.8	665.7	706.8	727.0	726.3
45°	577.1	578.6	582.2	590.8	613.9	649.9	700.3	759.4	812.7	836.5	845.1
47.5°	612.4	613.1	618.2	633.3	665.7	711.1	772.4	850.9	910.0	938.1	948.9
50°	645.6	647.0	655.7	677.3	715.5	770.2	845.9	929.4	994.3	1027.4	1036.8
52.5°	675.1	676.6	686.6	713.3	758.7	822.1	901.3	987.1	1055.5	1093.7	1099.5
55°	699.6	701.0	711.1	739.2	788.2	853.8	934.5	1019.5	1083.6	1117.5	1121.8
57.5°	714.0	714.7	725.5	754.4	802.6	863.9	941.7	1023.8	1080.0	1110.3	1113.9
60°	714.7	716.2	726.3	752.2	796.9	853.1	927.3	1000.8	1051.9	1079.3	1083.6
62.5°	701.8	702.5	711.1	731.3	769.5	818.5	886.9	953.2	999.3	1026.0	1031.0
65°	672.2	672.2	676.6	691.7	721.2	763.0	821.4	882.6	925.1	949.6	952.5
67.5°	623.2	623.2	624.0	634.0	654.2	687.4	737.1	788.2	826.4	850.9	854.5
70°	560.6	559.8	554.1	560.6	573.5	601.6	645.6	684.5	715.5	734.9	747.9
72.5°	481.3	478.4	474.1	472.6	485.6	510.1	546.1	572.8	590.1	611.0	612.4
75°	389.1	387.6	381.9	381.9	394.8	414.3	443.1	461.1	469.8	483.5	486.3
77.5°	290.4	289.6	291.8	292.5	299.7	320.6	337.2	350.2	348.0	356.6	359.5
80°	203.2	204.6	204.6	203.9	211.1	219.0	237.0	240.6	237.8	240.6	240.6
82.5°	129.0	128.2	126.8	129.0	134.7	141.2	148.4	149.1	151.3	149.1	150.6
85°	64.8	64.1	65.6	66.3	69.2	72.8	79.3	80.7	77.1	77.1	75.7
87.5°	22.3	23.8	22.3	23.1	23.1	26.7	25.9	25.9	25.9	25.9	27.4
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)