

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: P197958

Luminaire Tested: **TT-C5-LED-E1-RW-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34693)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-RW-LWR-LW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6956.9 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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

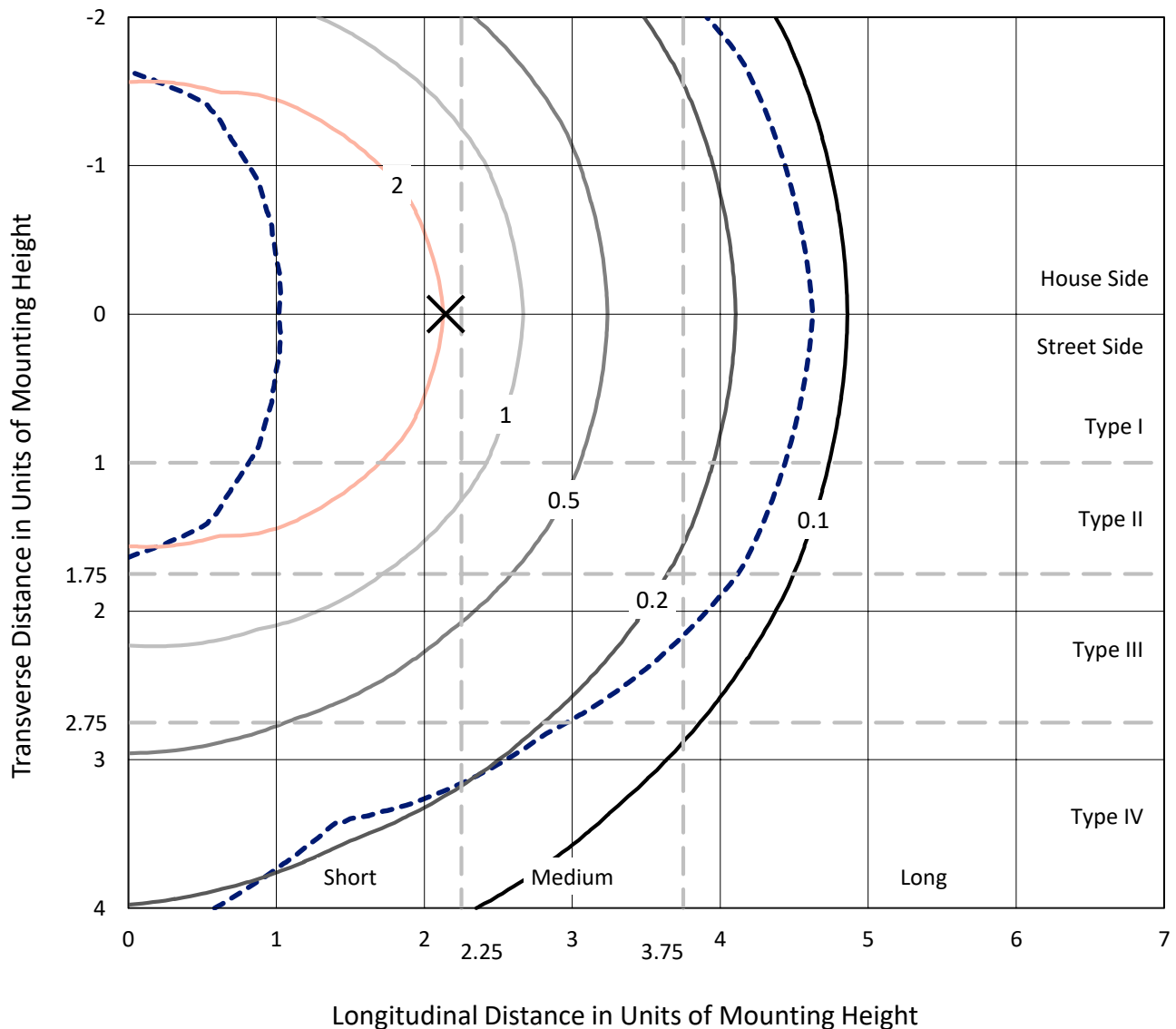


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

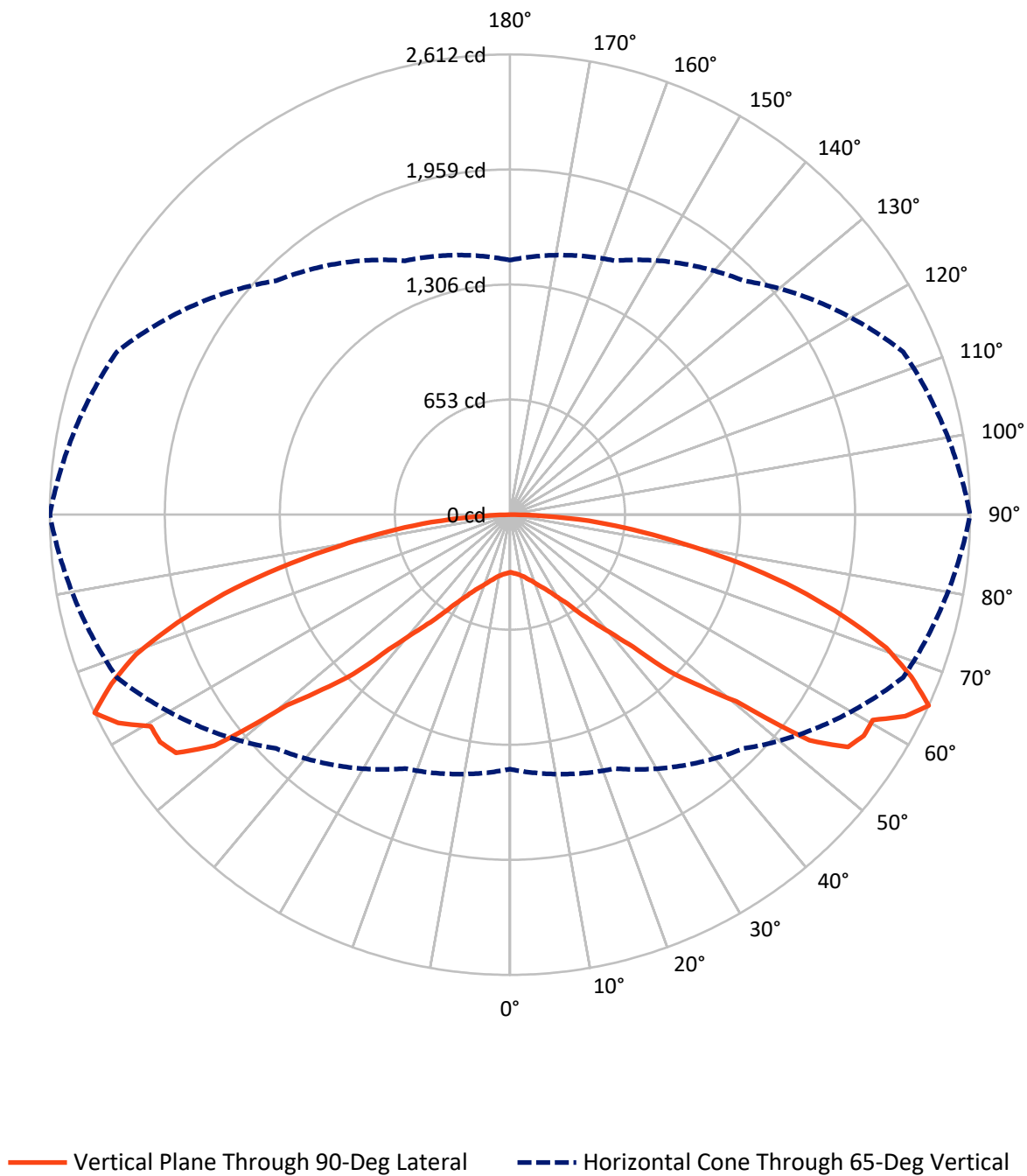


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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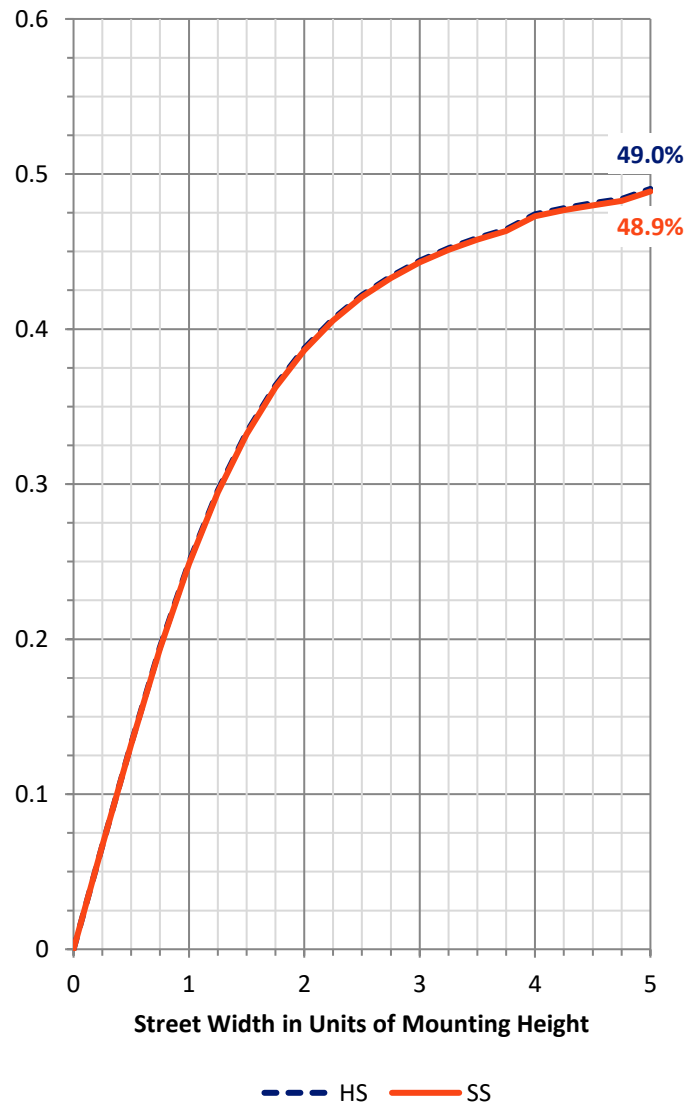
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3478.5	0.0	3478.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3478.5	0.0	3478.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6956.9	0.0	6956.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	0.5
10°-20°	111.1	1.6
20°-30°	233.2	3.4
30°-40°	443.3	6.4
40°-50°	824.1	11.8
50°-60°	1460.5	21.0
60°-70°	1896.8	27.3
70°-80°	1510.8	21.7
80°-90°	444.5	6.4
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°	6956.9	100.0
0°-180°	6956.9	100.0

Coefficient of Utilization



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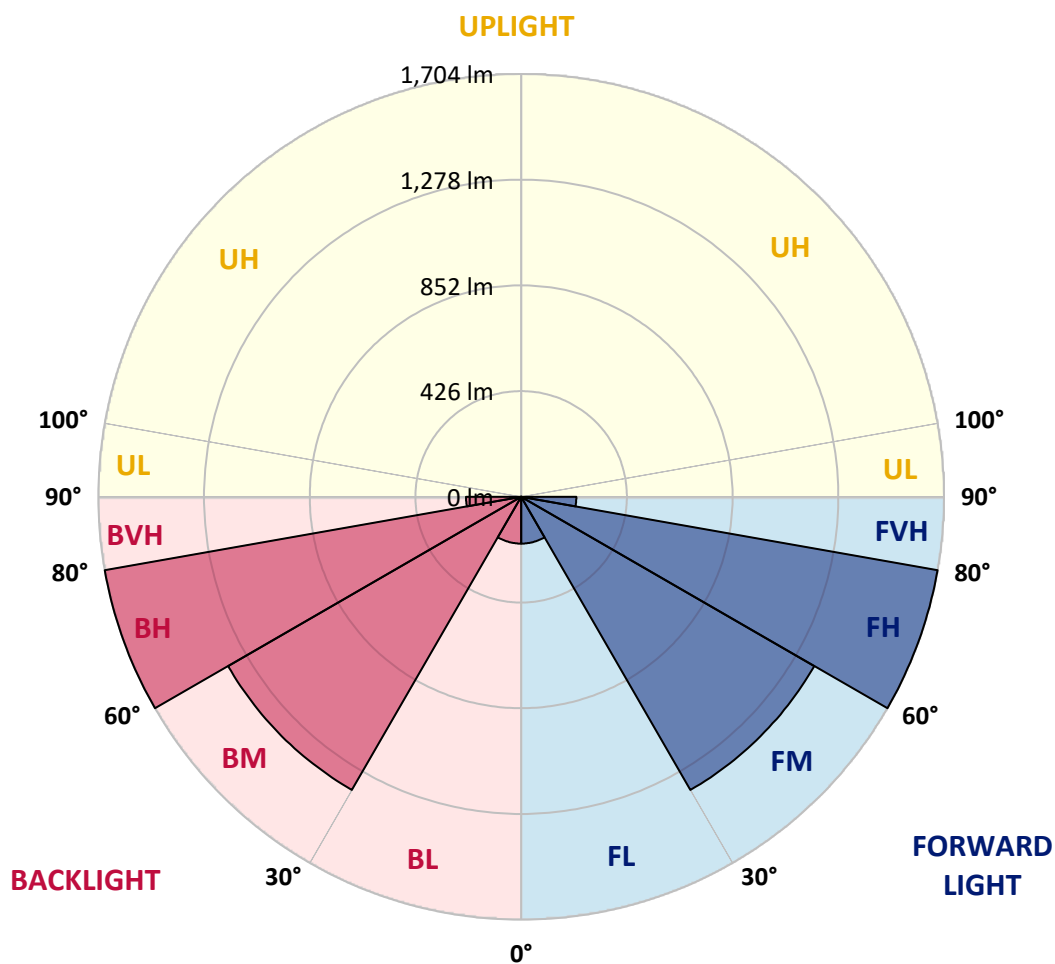
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.5	2.7			
FM	(30°-60°)	1364.0	19.6			
FH	(60°-80°)	1703.8	24.5			G1/1800
FVH	(80°-90°)	222.2	3.2			G2/225
BL	(0°-30°)	188.5	2.7	B1/500		
BM	(30°-60°)	1364.0	19.6	B2/2500		
BH	(60°-80°)	1703.8	24.5	B3/2500		G3/2500
BVH	(80°-90°)	222.2	3.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	326.8	326.8	326.8	326.8	326.8
2.5°	329.9	329.9	331.5	331.5	331.5
5°	336.1	336.1	337.6	337.6	336.1
7.5°	343.7	346.8	345.3	342.2	342.2
10°	356.0	357.5	354.5	352.9	351.4
12.5°	371.3	372.9	366.7	365.2	362.1
15°	392.8	391.3	385.2	379.0	379.0
17.5°	422.0	412.8	402.0	397.4	394.4
20°	455.7	443.5	429.7	418.9	417.4
22.5°	494.1	477.2	458.8	443.5	441.9
25°	530.9	517.1	494.1	474.2	468.0
27.5°	570.8	560.1	530.9	507.9	503.3
30°	616.9	607.7	573.9	552.4	550.9
32.5°	670.6	658.3	621.5	606.1	604.6
35°	735.0	712.0	679.8	669.0	687.5
37.5°	796.4	770.3	744.2	762.6	778.0
40°	850.1	833.2	821.0	859.3	880.8
42.5°	902.3	893.1	902.3	959.1	1025.0
45°	957.5	960.6	994.4	1149.3	1267.5
47.5°	1022.0	1023.5	1103.3	1341.2	1453.2
50°	1092.6	1091.0	1232.2	1485.4	1664.9
52.5°	1161.6	1167.8	1361.1	1795.4	2128.3
55°	1223.0	1256.8	1536.0	2106.9	2327.8
57.5°	1276.7	1341.2	1700.2	2198.9	2367.7
60°	1335.0	1442.4	1815.3	2217.3	2366.2
62.5°	1391.8	1522.2	1839.9	2298.7	2518.1
65°	1444.0	1559.0	1876.7	2415.3	2611.7
67.5°	1486.9	1577.5	1876.7	2314.0	2456.7
70°	1522.2	1554.4	1767.7	2131.4	2266.5
72.5°	1514.5	1459.3	1588.2	1907.4	1985.6
75°	1442.4	1292.0	1399.5	1605.1	1683.3
77.5°	1261.4	1081.8	1140.1	1293.6	1344.2
80°	999.0	844.0	877.7	975.9	991.3
82.5°	704.3	606.1	618.4	693.6	704.3
85°	414.3	372.9	360.6	428.1	449.6
87.5°	122.8	107.4	105.9	128.9	142.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)