

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: P197962

Luminaire Tested: **TT-C6-LED-E1-RW-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197962
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-C6-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: 8893.4 lumens
Efficiency: N/A
Efficacy: 82.3 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): 108
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

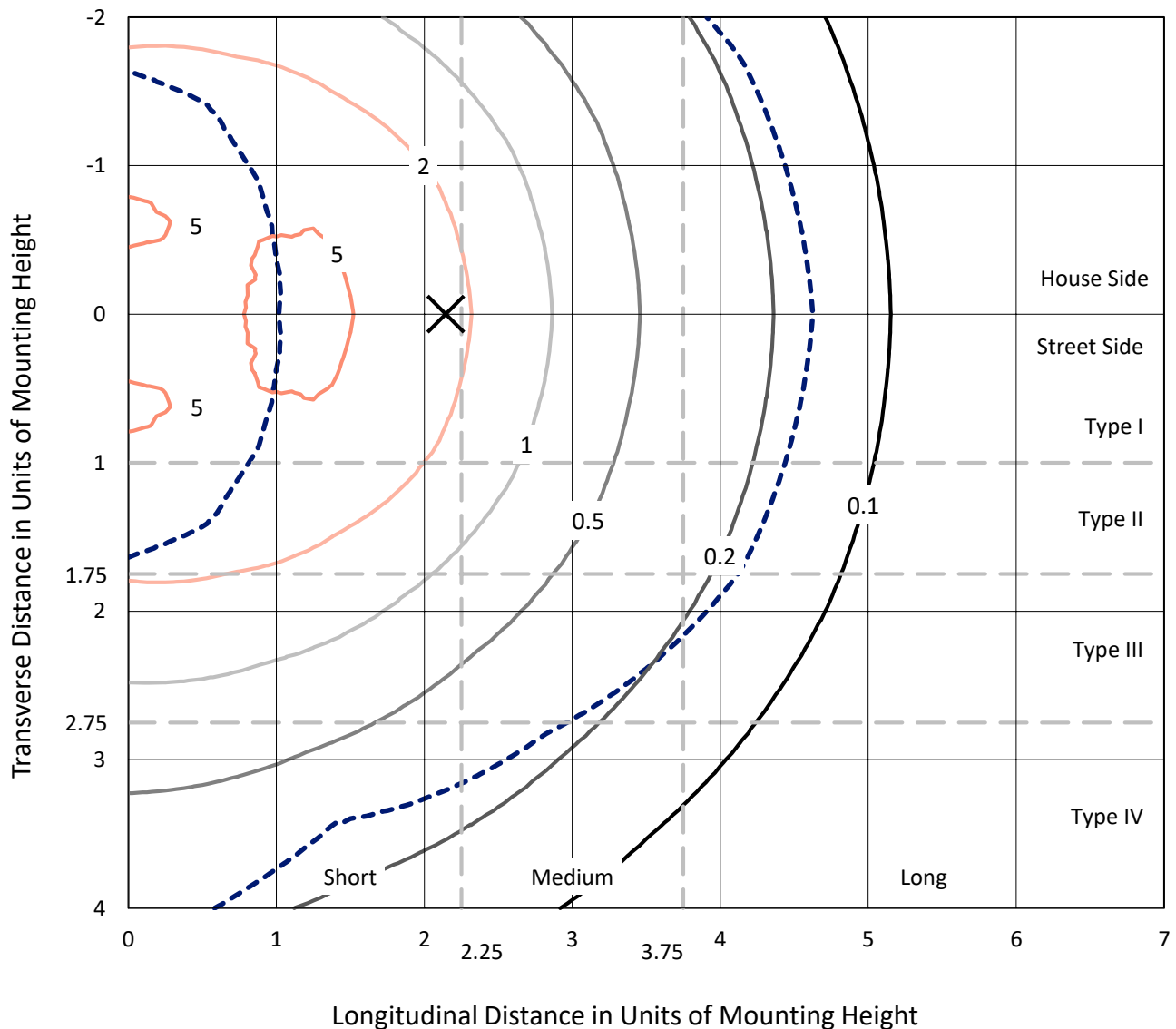


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

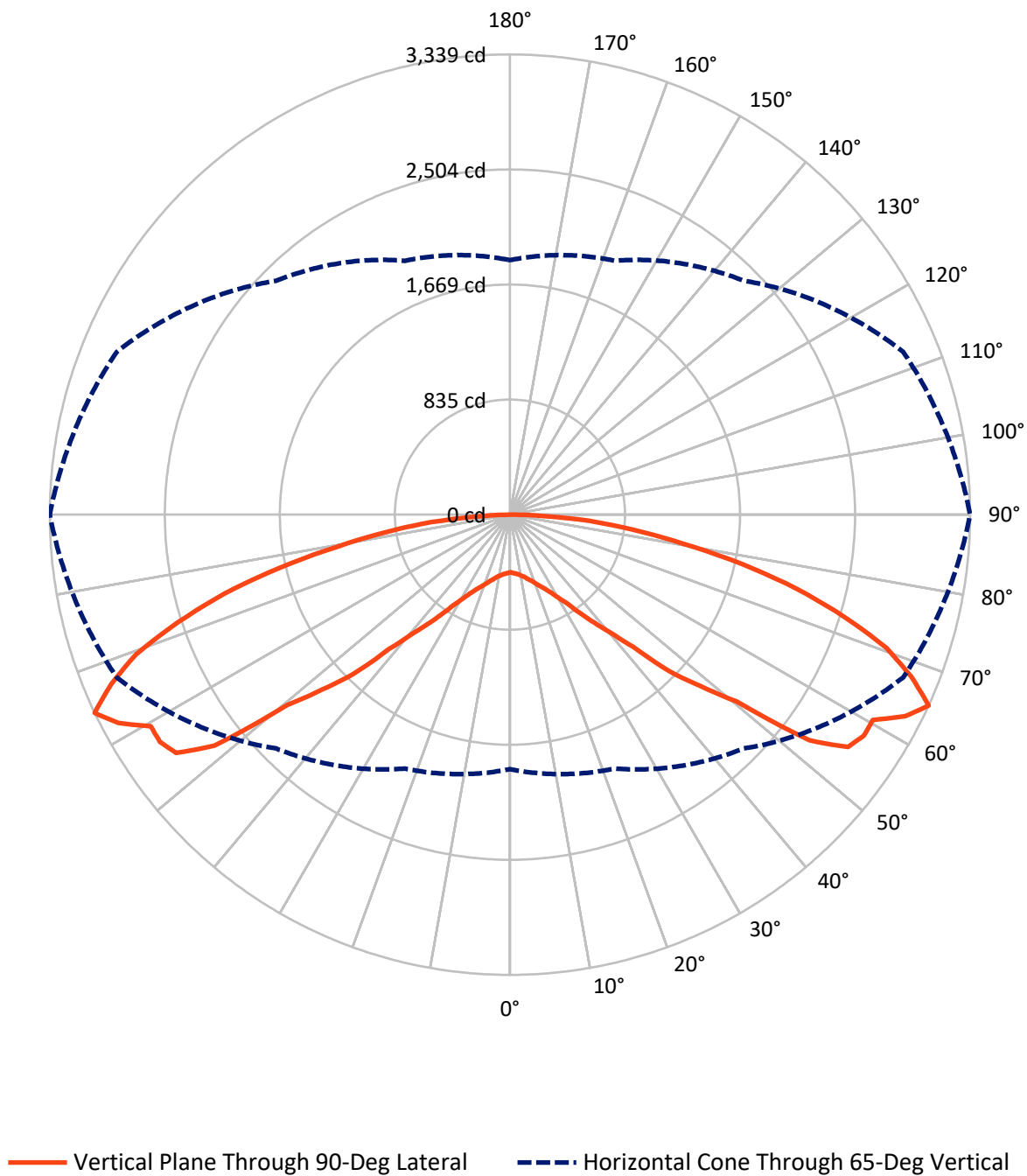


Based on 10 foot mounting height. Maximum calculated value = 6 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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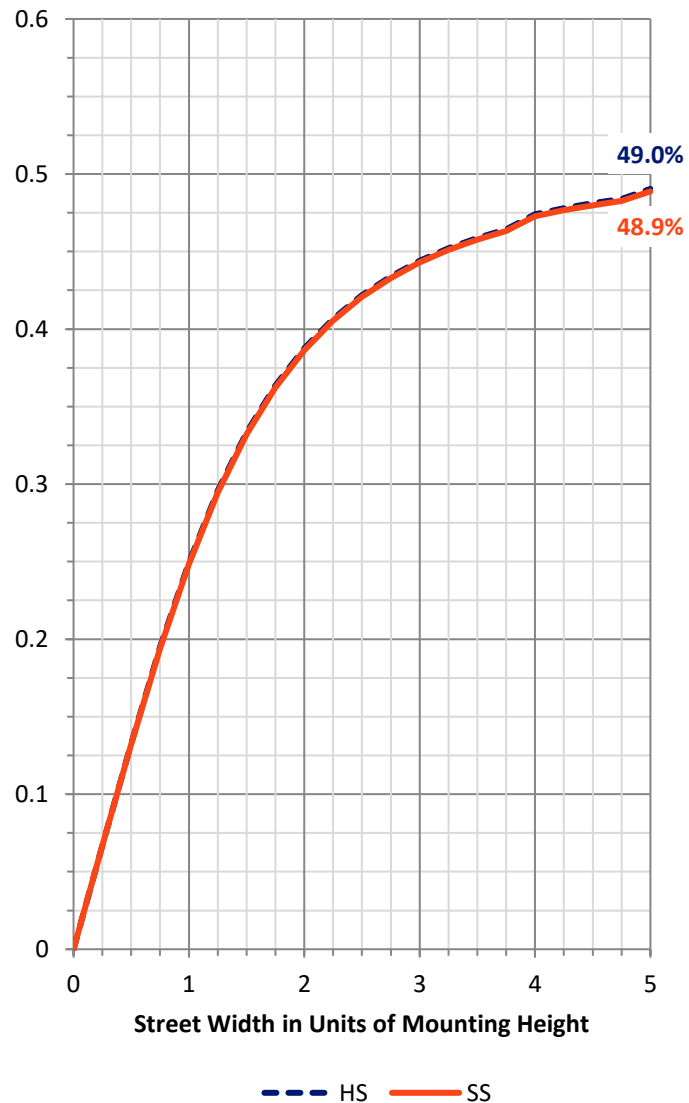
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4446.7	0.0	4446.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4446.7	0.0	4446.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	8893.4	0.0	8893.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.8	0.5
10°-20°	142.0	1.6
20°-30°	298.1	3.4
30°-40°	566.7	6.4
40°-50°	1053.5	11.8
50°-60°	1867.0	21.0
60°-70°	2424.8	27.3
70°-80°	1931.3	21.7
80°-90°	568.2	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°	8893.4	100.0
0°-180°	8893.4	100.0

Coefficient of Utilization



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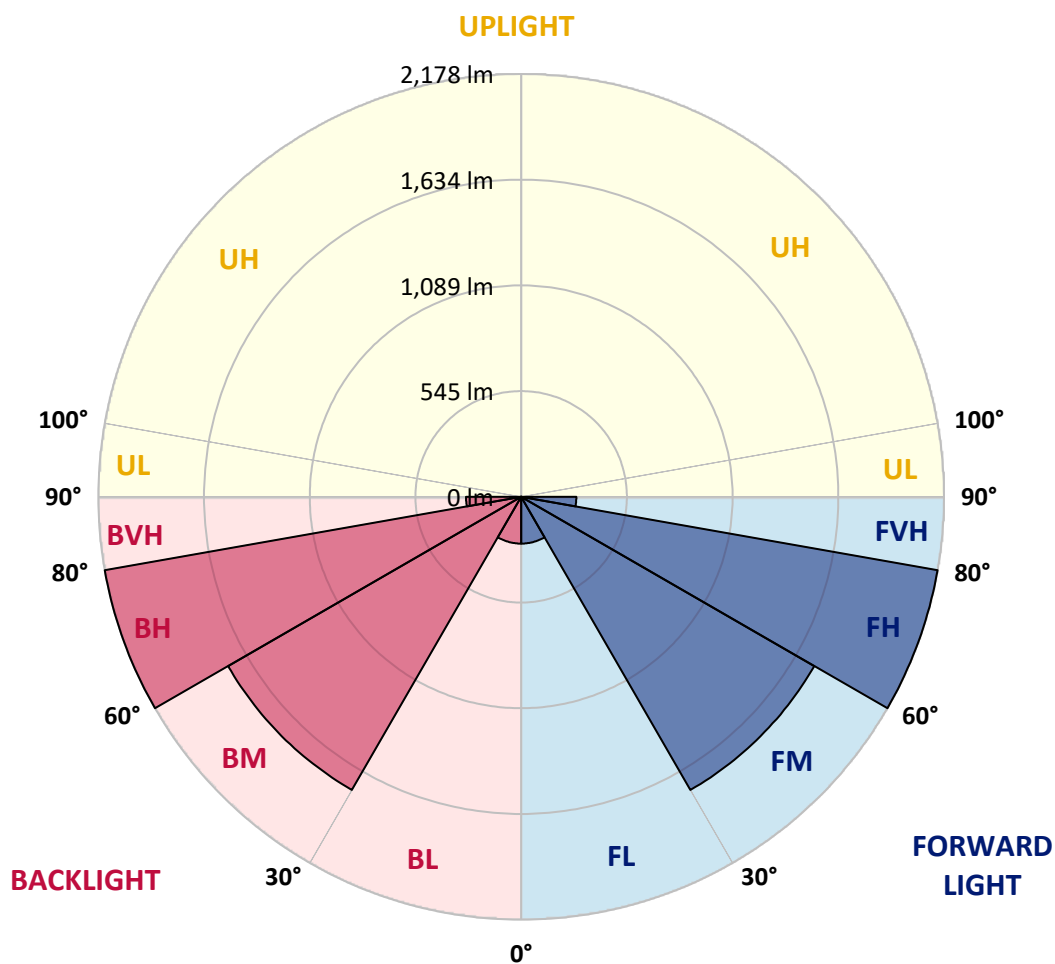
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.9	2.7			
FM	(30°-60°)	1743.6	19.6			
FH	(60°-80°)	2178.1	24.5			G2/5000
FVH	(80°-90°)	284.1	3.2			G3/500
BL	(0°-30°)	240.9	2.7	B1/500		
BM	(30°-60°)	1743.6	19.6	B2/2500		
BH	(60°-80°)	2178.1	24.5	B3/2500		G3/2500
BVH	(80°-90°)	284.1	3.2			G3/500
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°	417.8	417.8	417.8	417.8	417.8
2.5°	421.8	421.8	423.7	423.7	423.7
5°	429.6	429.6	431.6	431.6	429.6
7.5°	439.4	443.3	441.4	437.4	437.4
10°	455.1	457.1	453.1	451.2	449.2
12.5°	474.7	476.7	468.8	466.9	462.9
15°	502.2	500.2	492.4	484.5	484.5
17.5°	539.4	527.7	513.9	508.1	504.1
20°	582.6	566.9	549.3	535.5	533.6
22.5°	631.6	610.1	586.5	566.9	565.0
25°	678.7	661.1	631.6	606.1	598.3
27.5°	729.7	716.0	678.7	649.3	643.4
30°	788.6	776.8	733.7	706.2	704.2
32.5°	857.2	841.5	794.5	774.8	772.9
35°	939.6	910.2	869.0	855.3	878.8
37.5°	1018.1	984.7	951.4	974.9	994.5
40°	1086.7	1065.2	1049.5	1098.5	1126.0
42.5°	1153.4	1141.7	1153.4	1226.0	1310.4
45°	1224.1	1228.0	1271.1	1469.3	1620.3
47.5°	1306.4	1308.4	1410.4	1714.5	1857.7
50°	1396.7	1394.7	1575.2	1898.9	2128.4
52.5°	1485.0	1492.8	1740.0	2295.1	2720.8
55°	1563.4	1606.6	1963.6	2693.3	2975.8
57.5°	1632.1	1714.5	2173.5	2811.0	3026.8
60°	1706.6	1843.9	2320.6	2834.6	3024.8
62.5°	1779.2	1945.9	2352.0	2938.5	3219.0
65°	1845.9	1993.0	2399.1	3087.6	3338.7
67.5°	1900.8	2016.6	2399.1	2958.1	3140.6
70°	1945.9	1987.1	2259.8	2724.7	2897.3
72.5°	1936.1	1865.5	2030.3	2438.3	2538.4
75°	1843.9	1651.7	1789.0	2051.9	2151.9
77.5°	1612.5	1383.0	1457.5	1653.7	1718.4
80°	1277.0	1078.9	1122.1	1247.6	1267.2
82.5°	900.4	774.8	790.5	886.7	900.4
85°	529.6	476.7	461.0	547.3	574.8
87.5°	156.9	137.3	135.4	164.8	182.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)