

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: P197960

Luminaire Tested: **TT-C5-LED-E1-RW-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197960
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-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6839.1 lumens
Efficiency: N/A
Efficacy: 88.8 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

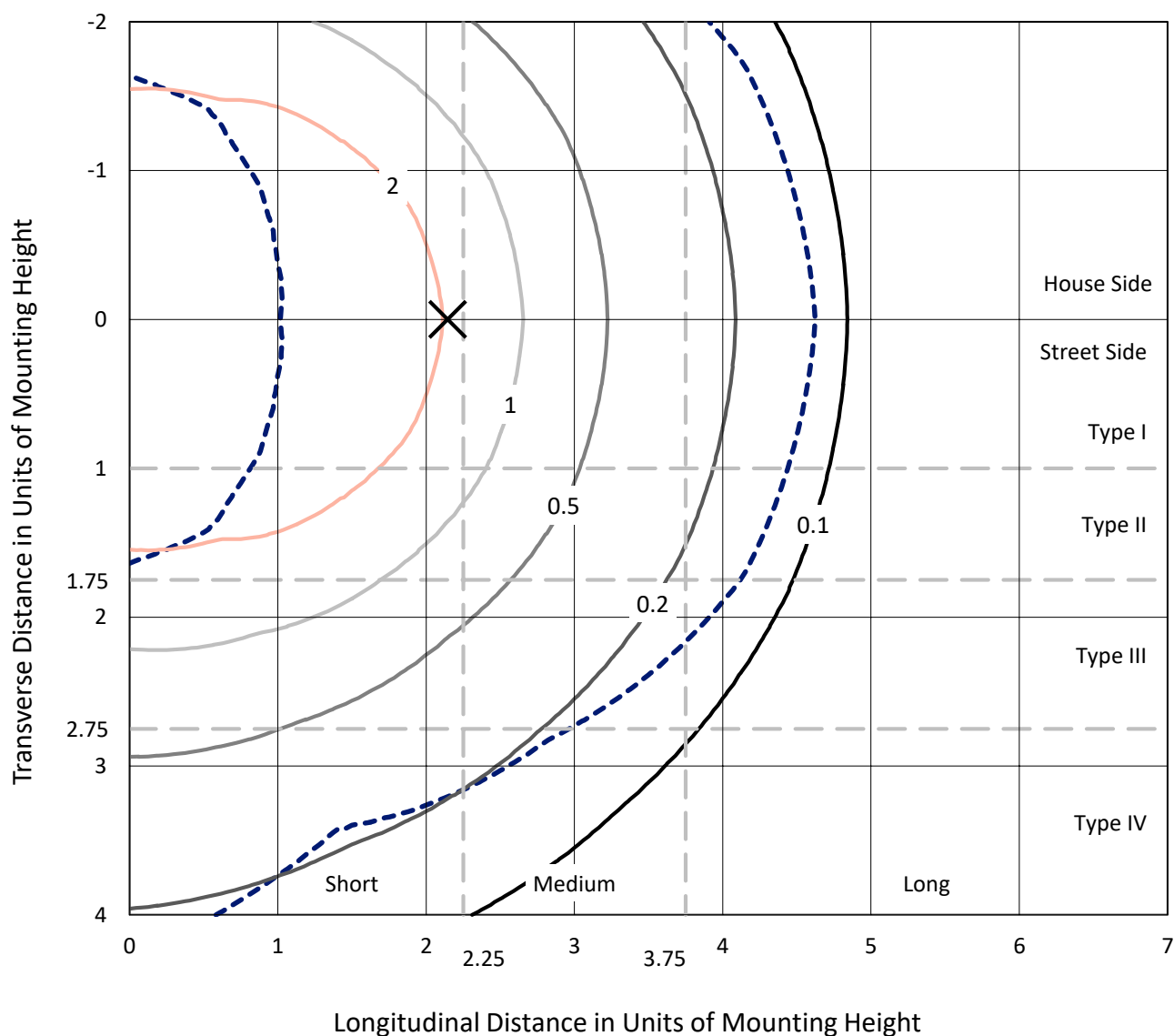


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

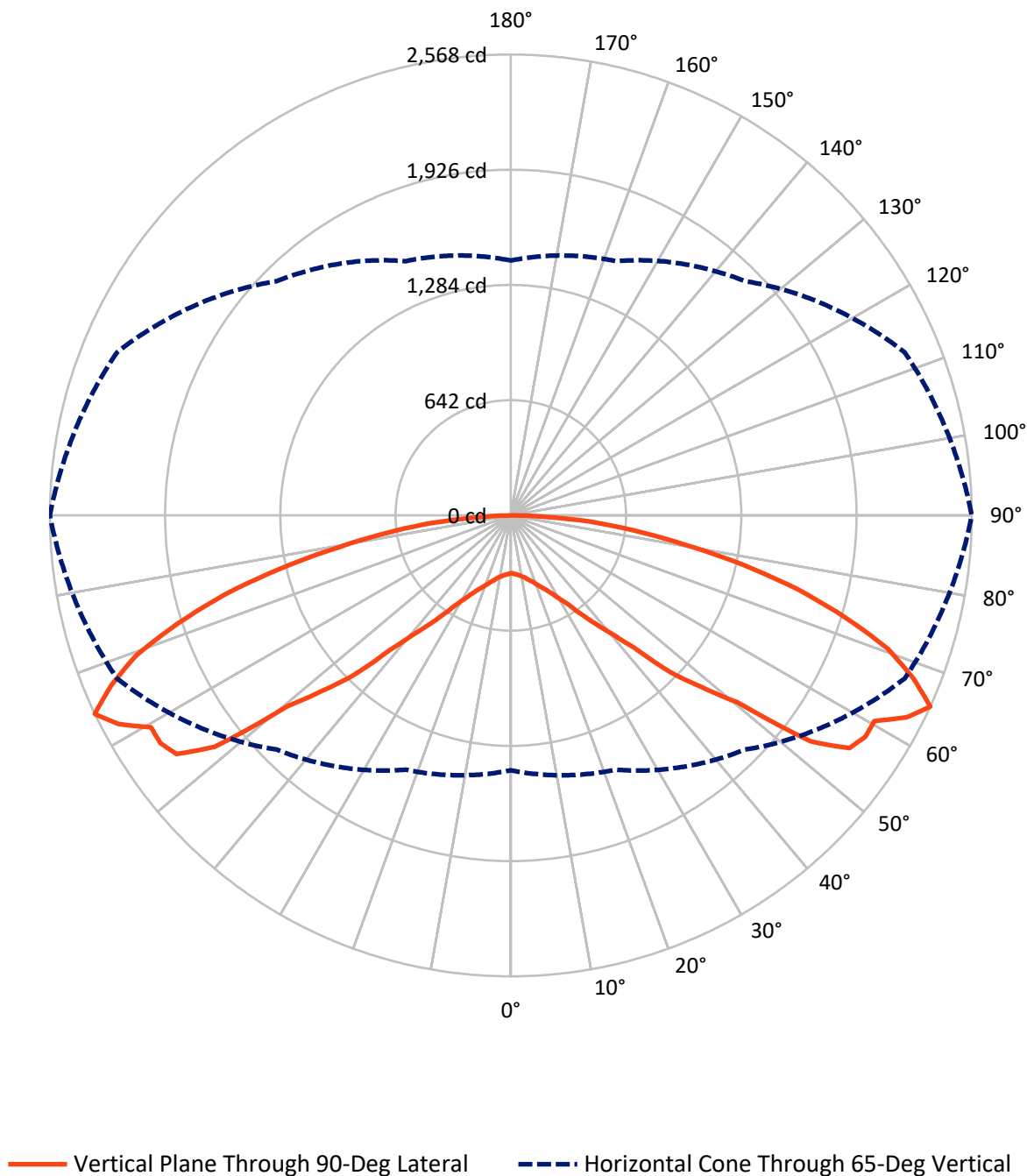


Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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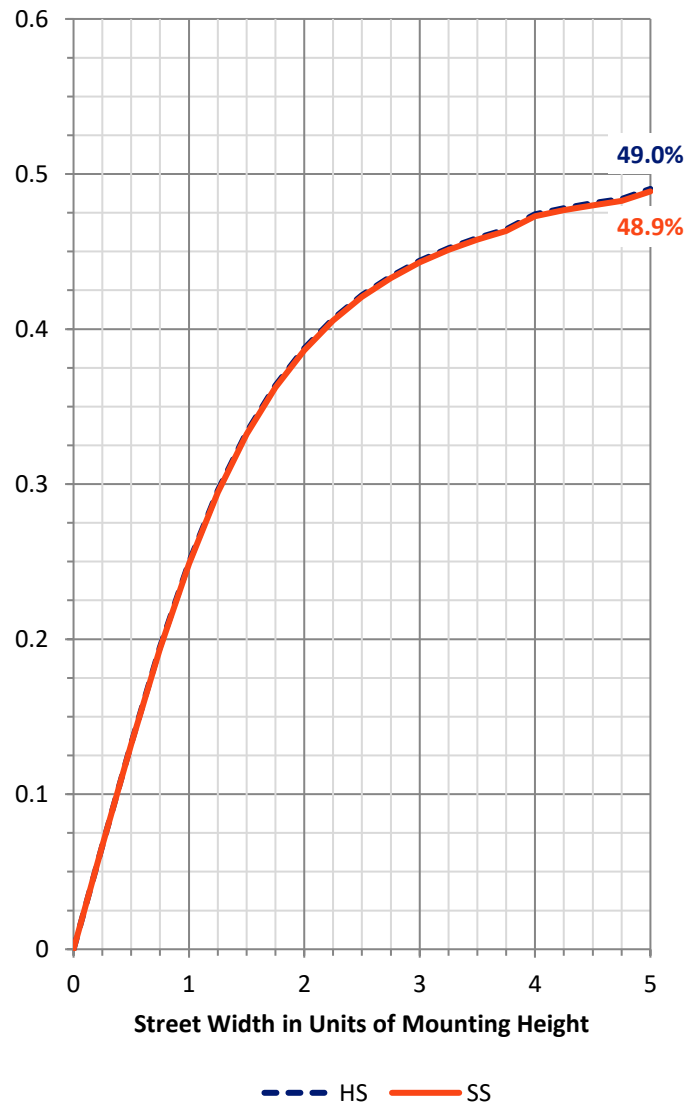
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3419.5	0.0	3419.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3419.5	0.0	3419.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6839.1	0.0	6839.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	0.5
10°-20°	109.2	1.6
20°-30°	229.2	3.4
30°-40°	435.8	6.4
40°-50°	810.1	11.8
50°-60°	1435.7	21.0
60°-70°	1864.7	27.3
70°-80°	1485.2	21.7
80°-90°	437.0	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°	6839.1	100.0
0°-180°	6839.1	100.0

Coefficient of Utilization



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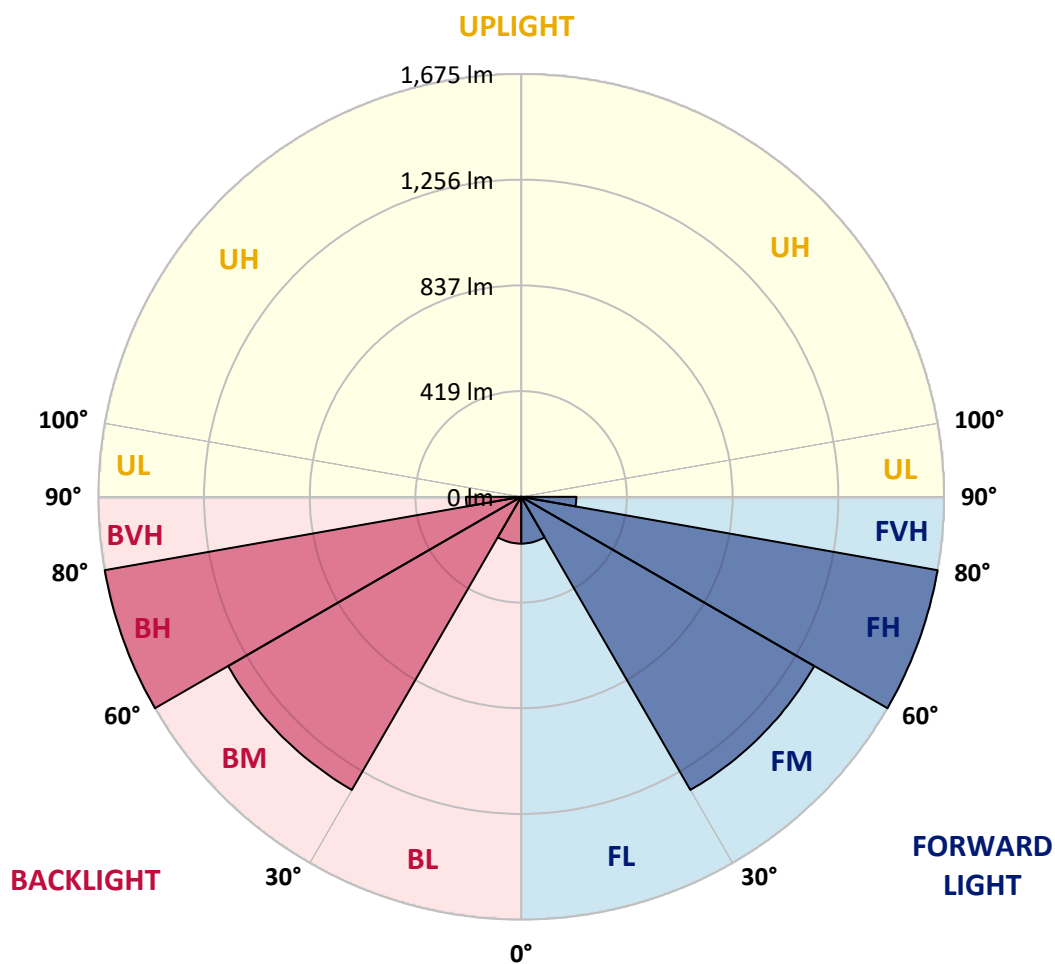
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.3	2.7			
FM	(30°-60°)	1340.8	19.6			
FH	(60°-80°)	1674.9	24.5			G1/1800
FVH	(80°-90°)	218.5	3.2			G2/225
BL	(0°-30°)	185.3	2.7	B1/500		
BM	(30°-60°)	1340.8	19.6	B2/2500		
BH	(60°-80°)	1674.9	24.5	B3/2500		G3/2500
BVH	(80°-90°)	218.5	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°	321.3	321.3	321.3	321.3	321.3
2.5°	324.3	324.3	325.8	325.8	325.8
5°	330.4	330.4	331.9	331.9	330.4
7.5°	337.9	340.9	339.4	336.4	336.4
10°	350.0	351.5	348.5	347.0	345.4
12.5°	365.1	366.6	360.5	359.0	356.0
15°	386.2	384.7	378.6	372.6	372.6
17.5°	414.8	405.8	395.2	390.7	387.7
20°	448.0	436.0	422.4	411.8	410.3
22.5°	485.7	469.1	451.0	436.0	434.4
25°	521.9	508.4	485.7	466.1	460.1
27.5°	561.2	550.6	521.9	499.3	494.8
30°	606.4	597.4	564.2	543.1	541.6
32.5°	659.2	647.1	610.9	595.9	594.3
35°	722.6	699.9	668.3	657.7	675.8
37.5°	782.9	757.3	731.6	749.7	764.8
40°	835.7	819.1	807.0	844.8	865.9
42.5°	887.0	877.9	887.0	942.8	1007.7
45°	941.3	944.3	977.5	1129.9	1246.0
47.5°	1004.7	1006.2	1084.6	1318.4	1428.6
50°	1074.1	1072.5	1211.3	1460.2	1636.7
52.5°	1141.9	1148.0	1338.0	1764.9	2092.3
55°	1202.3	1235.5	1510.0	2071.2	2288.4
57.5°	1255.1	1318.4	1671.4	2161.7	2327.6
60°	1312.4	1418.0	1784.6	2179.8	2326.1
62.5°	1368.2	1496.4	1808.7	2259.7	2475.5
65°	1419.5	1532.6	1844.9	2374.4	2567.5
67.5°	1461.7	1550.7	1844.9	2274.8	2415.1
70°	1496.4	1528.1	1737.8	2095.3	2228.1
72.5°	1488.9	1434.6	1561.3	1875.1	1952.0
75°	1418.0	1270.2	1375.8	1577.9	1654.8
77.5°	1240.0	1063.5	1120.8	1271.7	1321.4
80°	982.0	829.7	862.9	959.4	974.5
82.5°	692.4	595.9	607.9	681.8	692.4
85°	407.3	366.6	354.5	420.9	442.0
87.5°	120.7	105.6	104.1	126.7	140.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)