

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: P197951

Luminaire Tested: **TT-C3-LED-E1-RW-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197951
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-C3-LED-E1-RW-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4295 lumens
Efficiency: N/A
Efficacy: 95.4 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): 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



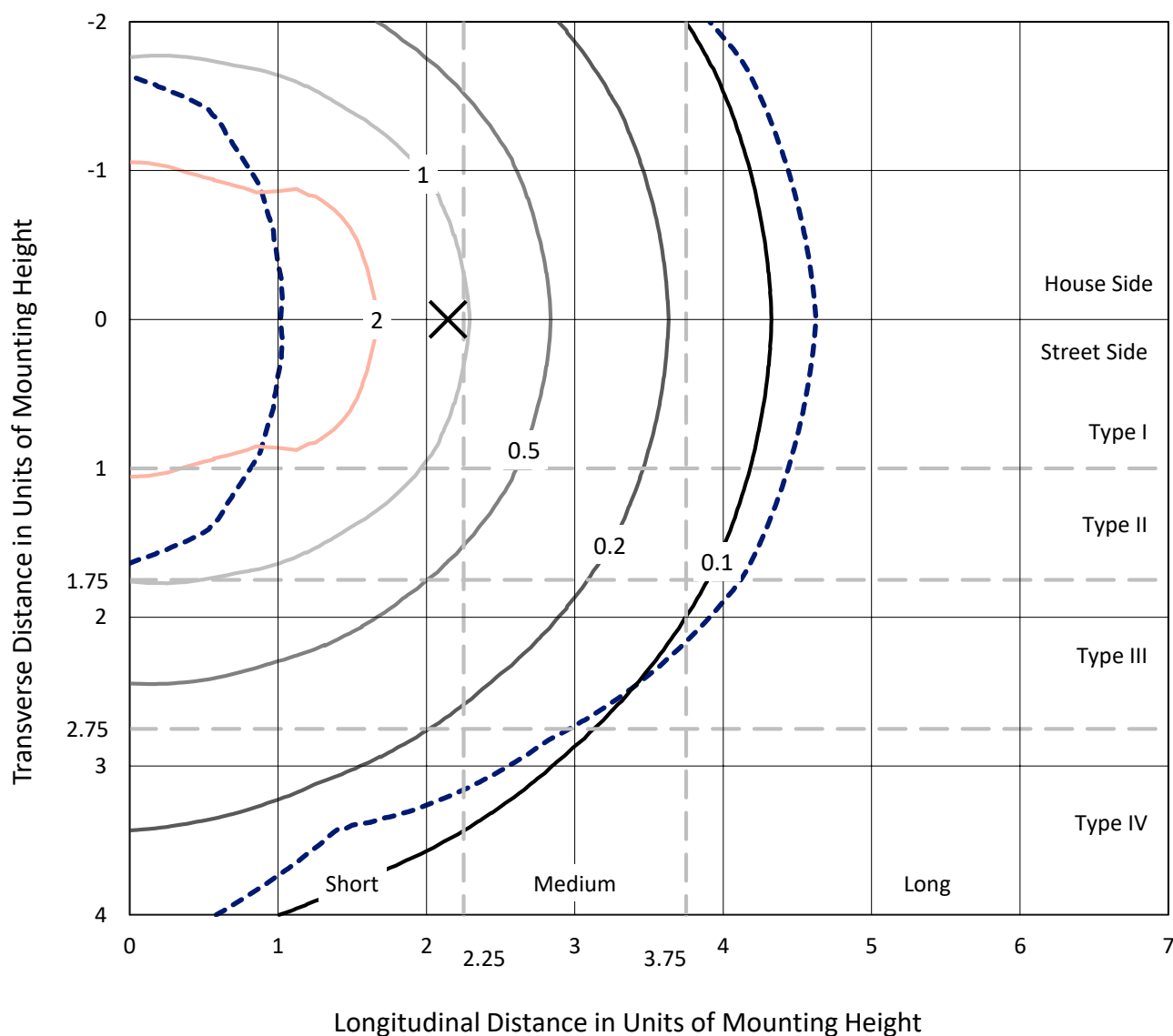
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

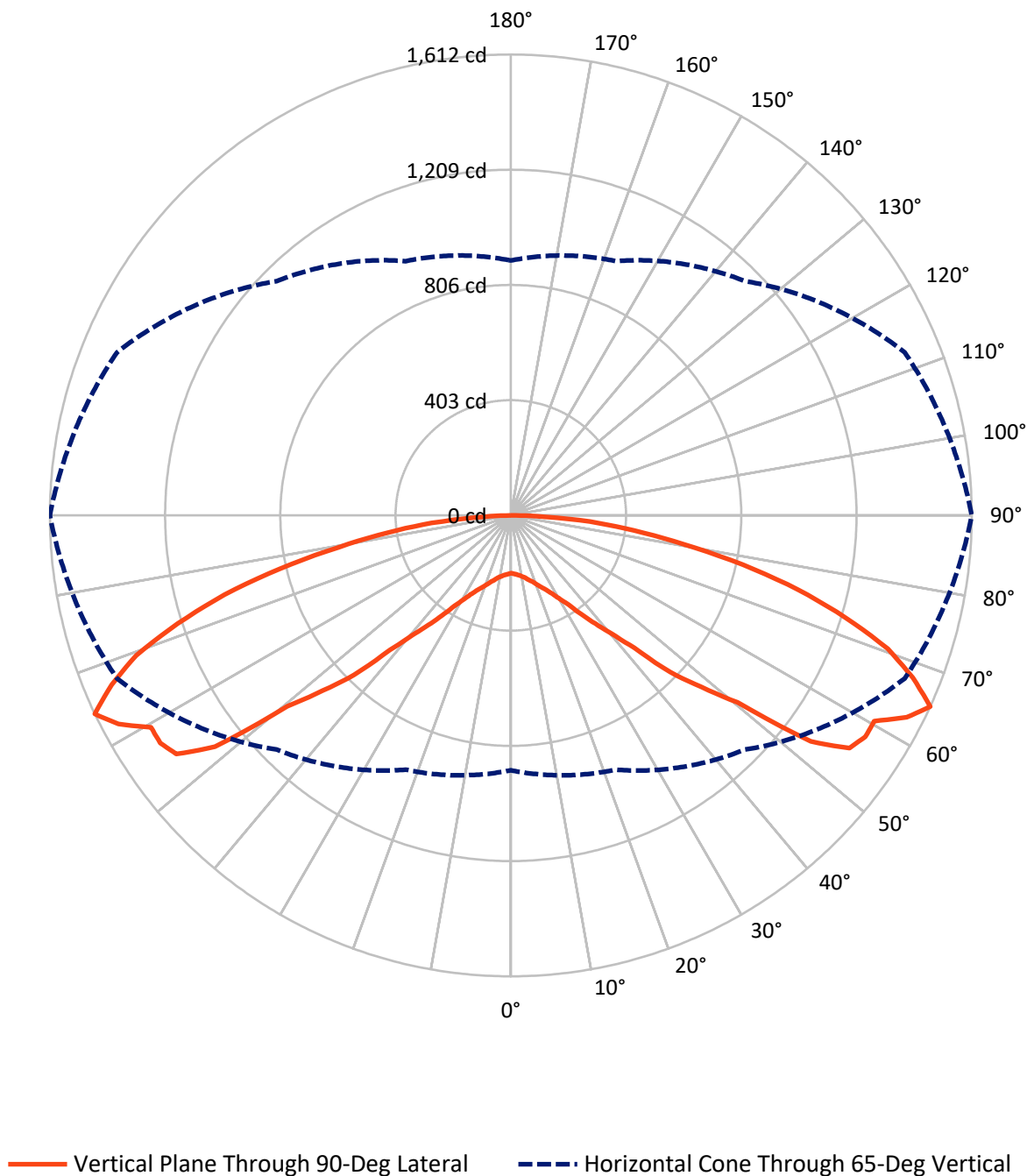


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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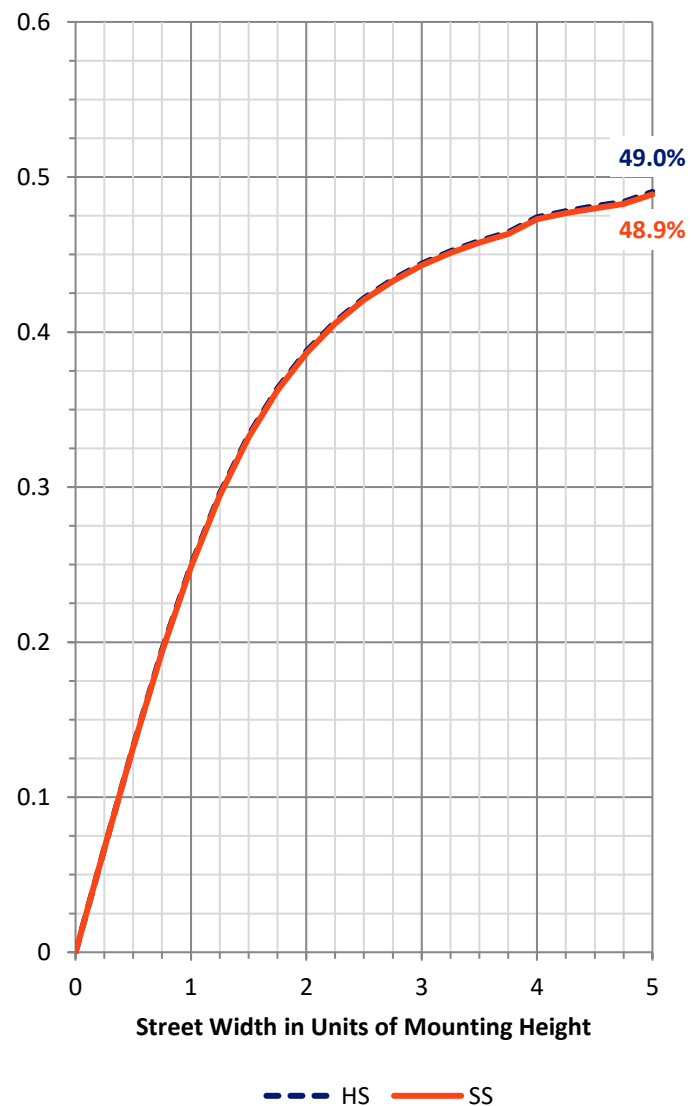
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2147.5	0.0	2147.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2147.5	0.0	2147.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4295.0	0.0	4295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.5
10°-20°	68.6	1.6
20°-30°	144.0	3.4
30°-40°	273.7	6.4
40°-50°	508.8	11.8
50°-60°	901.7	21.0
60°-70°	1171.0	27.3
70°-80°	932.7	21.7
80°-90°	274.4	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°	4295.0	100.0
0°-180°	4295.0	100.0

Coefficient of Utilization



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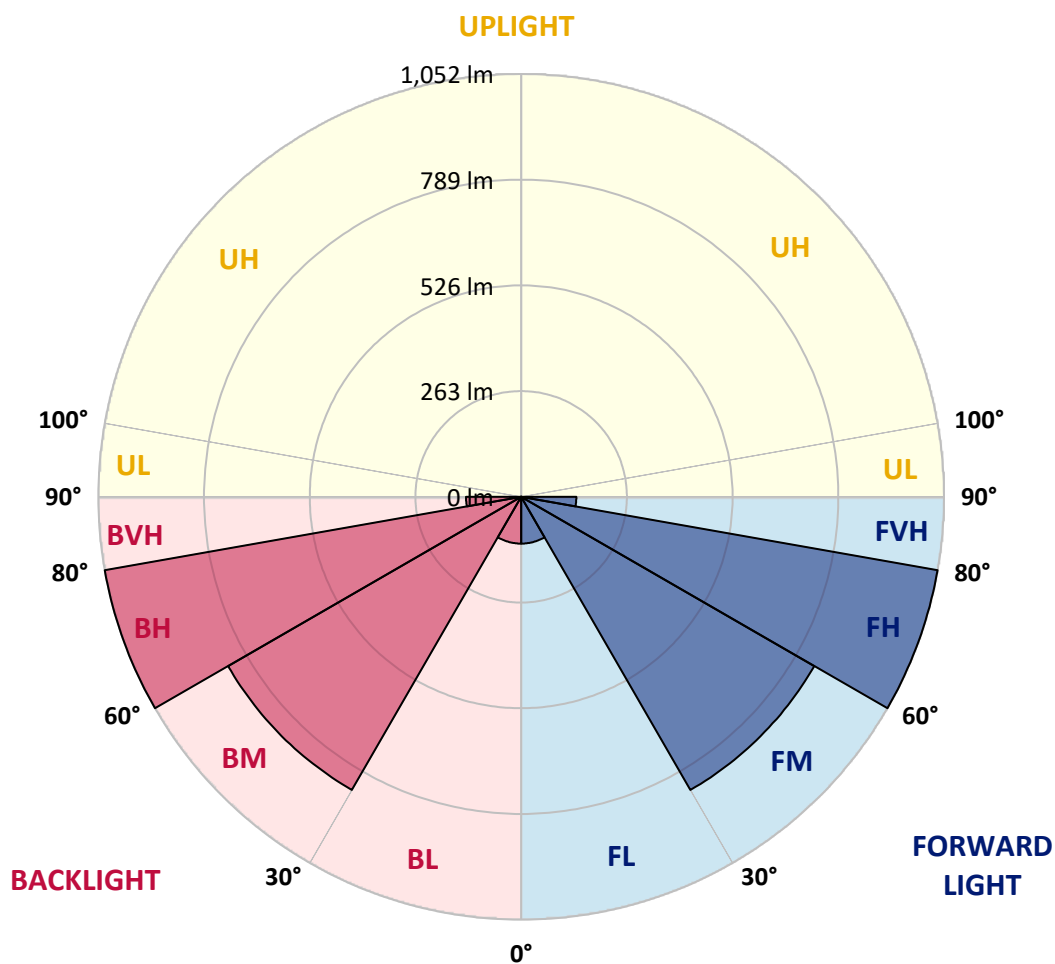
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.4	2.7			
FM	(30°-60°)	842.1	19.6			
FH	(60°-80°)	1051.9	24.5			G1/1800
FVH	(80°-90°)	137.2	3.2			G2/225
BL	(0°-30°)	116.4	2.7	B1/500		
BM	(30°-60°)	842.1	19.6	B1/1000		
BH	(60°-80°)	1051.9	24.5	B3/2500		G3/2500
BVH	(80°-90°)	137.2	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°	201.8	201.8	201.8	201.8	201.8
2.5°	203.7	203.7	204.6	204.6	204.6
5°	207.5	207.5	208.4	208.4	207.5
7.5°	212.2	214.1	213.2	211.3	211.3
10°	219.8	220.7	218.8	217.9	216.9
12.5°	229.3	230.2	226.4	225.5	223.6
15°	242.5	241.6	237.8	234.0	234.0
17.5°	260.5	254.8	248.2	245.4	243.5
20°	281.4	273.8	265.3	258.6	257.7
22.5°	305.1	294.6	283.3	273.8	272.8
25°	327.8	319.3	305.1	292.7	288.9
27.5°	352.4	345.8	327.8	313.6	310.7
30°	380.8	375.2	354.3	341.1	340.1
32.5°	414.0	406.4	383.7	374.2	373.3
35°	453.8	439.6	419.7	413.0	424.4
37.5°	491.7	475.6	459.5	470.8	480.3
40°	524.8	514.4	506.8	530.5	543.8
42.5°	557.0	551.4	557.0	592.1	632.8
45°	591.2	593.0	613.9	709.6	782.5
47.5°	630.9	631.9	681.2	828.0	897.2
50°	674.5	673.6	760.7	917.0	1027.9
52.5°	717.2	720.9	840.3	1108.4	1314.0
55°	755.0	775.9	948.3	1300.7	1437.1
57.5°	788.2	828.0	1049.7	1357.6	1461.8
60°	824.2	890.5	1120.7	1368.9	1460.8
62.5°	859.3	939.8	1135.9	1419.1	1554.6
65°	891.5	962.5	1158.6	1491.1	1612.4
67.5°	918.0	973.9	1158.6	1428.6	1516.7
70°	939.8	959.7	1091.4	1315.9	1399.3
72.5°	935.0	900.9	980.5	1177.6	1225.9
75°	890.5	797.7	864.0	990.9	1039.3
77.5°	778.7	667.9	703.9	798.6	829.9
80°	616.7	521.0	541.9	602.5	612.0
82.5°	434.8	374.2	381.8	428.2	434.8
85°	255.8	230.2	222.6	264.3	277.6
87.5°	75.8	66.3	65.4	79.6	88.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)