

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: P197956

Luminaire Tested: **TT-C4-LED-E1-RW-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197956
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-C4-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: 5278.8 lumens
Efficiency: N/A
Efficacy: 91.0 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): 58
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

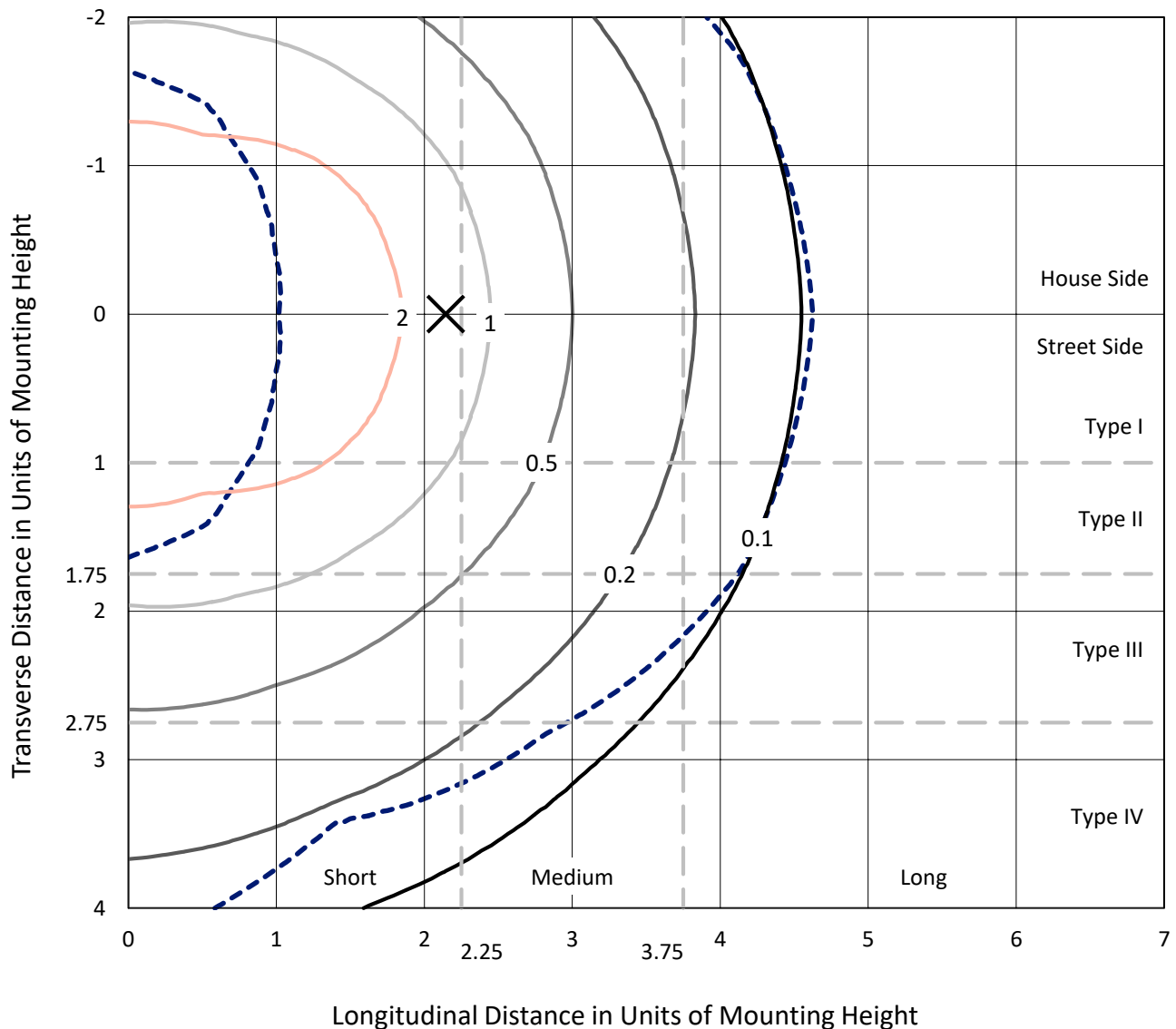


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

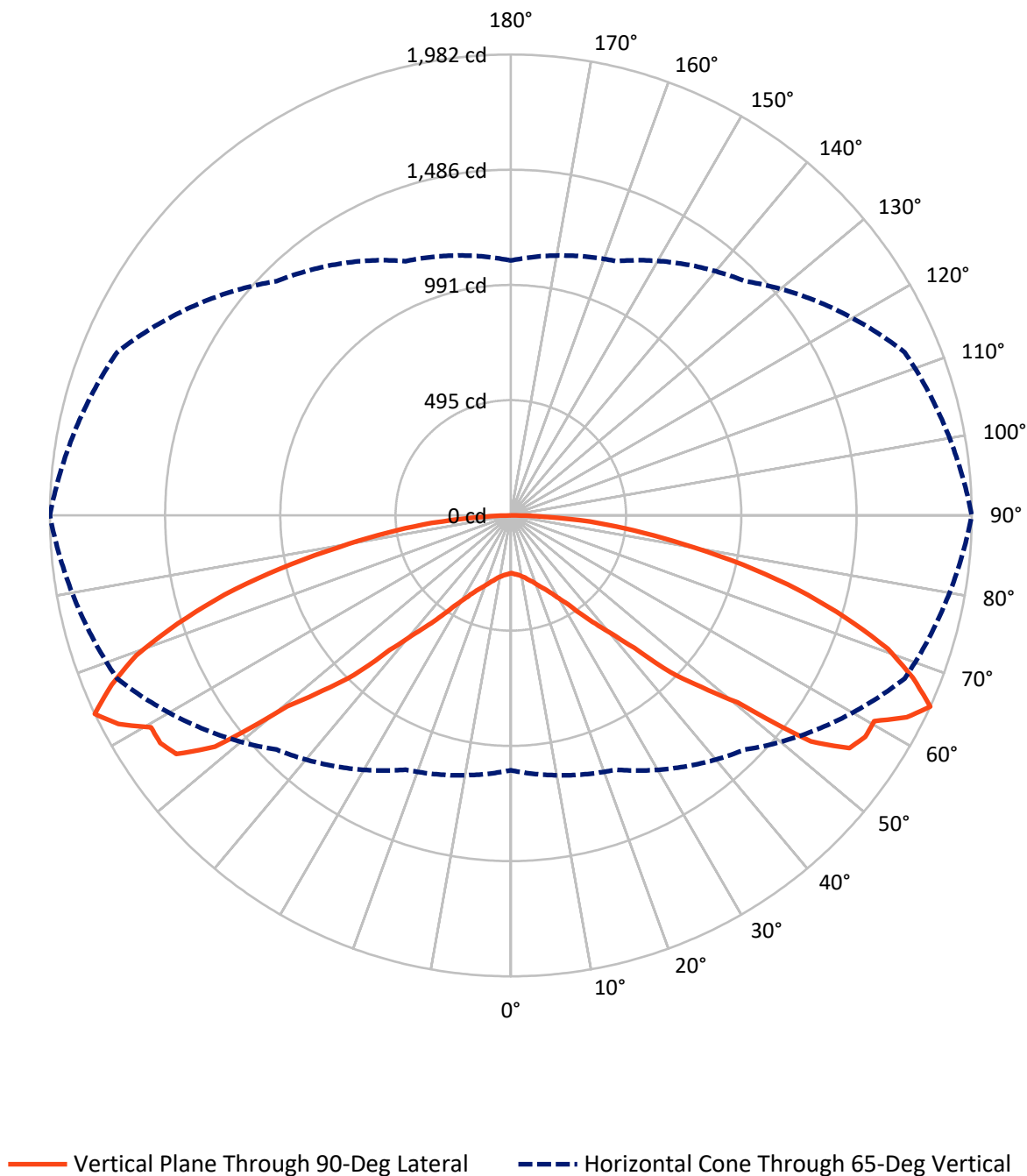


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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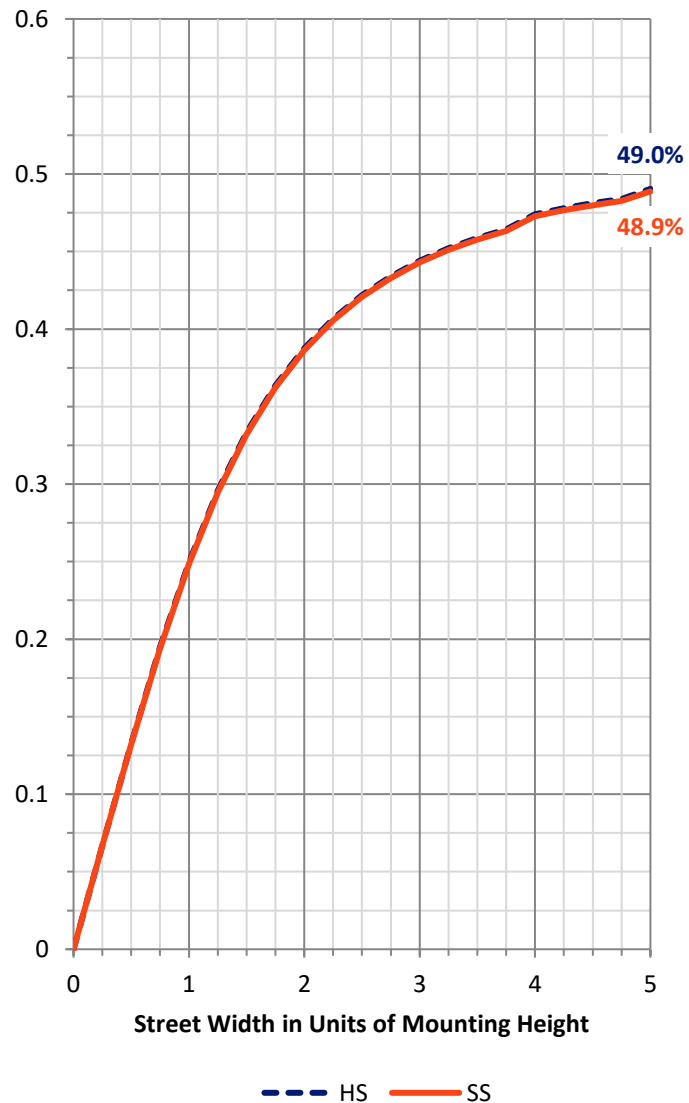
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2639.4	0.0	2639.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2639.4	0.0	2639.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5278.8	0.0	5278.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.5
10°-20°	84.3	1.6
20°-30°	176.9	3.4
30°-40°	336.4	6.4
40°-50°	625.3	11.8
50°-60°	1108.2	21.0
60°-70°	1439.3	27.3
70°-80°	1146.4	21.7
80°-90°	337.3	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°	5278.8	100.0
0°-180°	5278.8	100.0

Coefficient of Utilization



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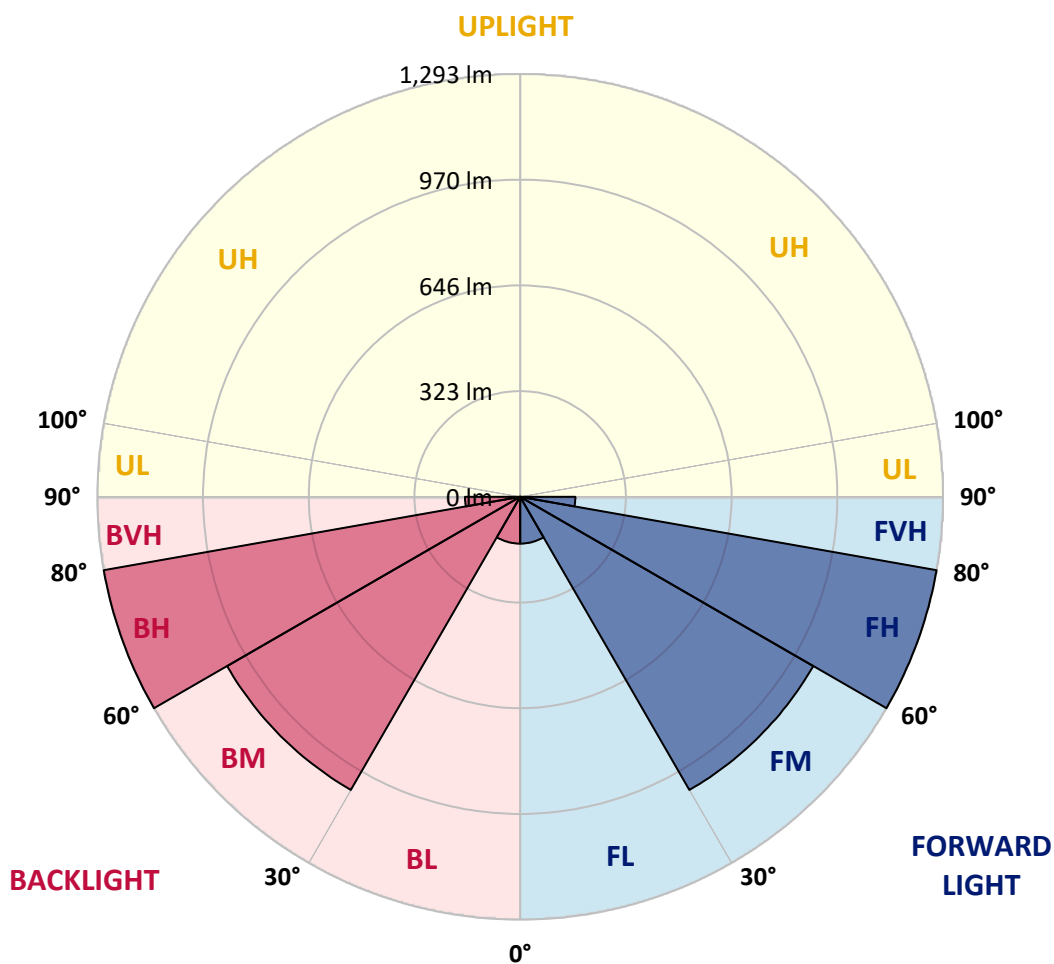
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.0	2.7			
FM	(30°-60°)	1034.9	19.6			
FH	(60°-80°)	1292.8	24.5			G1/1800
FVH	(80°-90°)	168.6	3.2			G2/225
BL	(0°-30°)	143.0	2.7	B1/500		
BM	(30°-60°)	1034.9	19.6	B2/2500		
BH	(60°-80°)	1292.8	24.5	B3/2500		G3/2500
BVH	(80°-90°)	168.6	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°	248.0	248.0	248.0	248.0	248.0
2.5°	250.3	250.3	251.5	251.5	251.5
5°	255.0	255.0	256.2	256.2	255.0
7.5°	260.8	263.1	262.0	259.6	259.6
10°	270.1	271.3	269.0	267.8	266.6
12.5°	281.8	282.9	278.3	277.1	274.8
15°	298.1	296.9	292.3	287.6	287.6
17.5°	320.2	313.2	305.1	301.6	299.2
20°	345.8	336.5	326.0	317.9	316.7
22.5°	374.9	362.1	348.1	336.5	335.3
25°	402.9	392.4	374.9	359.8	355.1
27.5°	433.1	425.0	402.9	385.4	381.9
30°	468.1	461.1	435.5	419.2	418.0
32.5°	508.8	499.5	471.6	459.9	458.8
35°	557.7	540.3	515.8	507.7	521.6
37.5°	604.3	584.5	564.7	578.7	590.3
40°	645.0	632.2	622.9	652.0	668.3
42.5°	684.6	677.6	684.6	727.7	777.8
45°	726.6	728.9	754.5	872.1	961.8
47.5°	775.5	776.6	837.2	1017.6	1102.6
50°	829.0	827.9	935.0	1127.1	1263.3
52.5°	881.4	886.1	1032.8	1362.3	1614.9
55°	928.0	953.6	1165.5	1598.6	1766.3
57.5°	968.7	1017.6	1290.1	1668.5	1796.6
60°	1013.0	1094.5	1377.4	1682.5	1795.4
62.5°	1056.1	1155.0	1396.1	1744.2	1910.7
65°	1095.7	1183.0	1424.0	1832.7	1981.7
67.5°	1128.3	1196.9	1424.0	1755.8	1864.1
70°	1155.0	1179.5	1341.3	1617.3	1719.7
72.5°	1149.2	1107.3	1205.1	1447.3	1506.7
75°	1094.5	980.4	1061.9	1217.9	1277.3
77.5°	957.1	820.9	865.1	981.5	1020.0
80°	758.0	640.4	666.0	740.5	752.2
82.5°	534.4	459.9	469.2	526.3	534.4
85°	314.4	282.9	273.6	324.9	341.2
87.5°	93.1	81.5	80.3	97.8	108.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)