

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: P198114

Luminaire Tested: **TT-C2-LED-E1-RW-SG-MS/DIM**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34700)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C2-LED-E1-RW-SG-MS/DIM
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.1 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 34
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



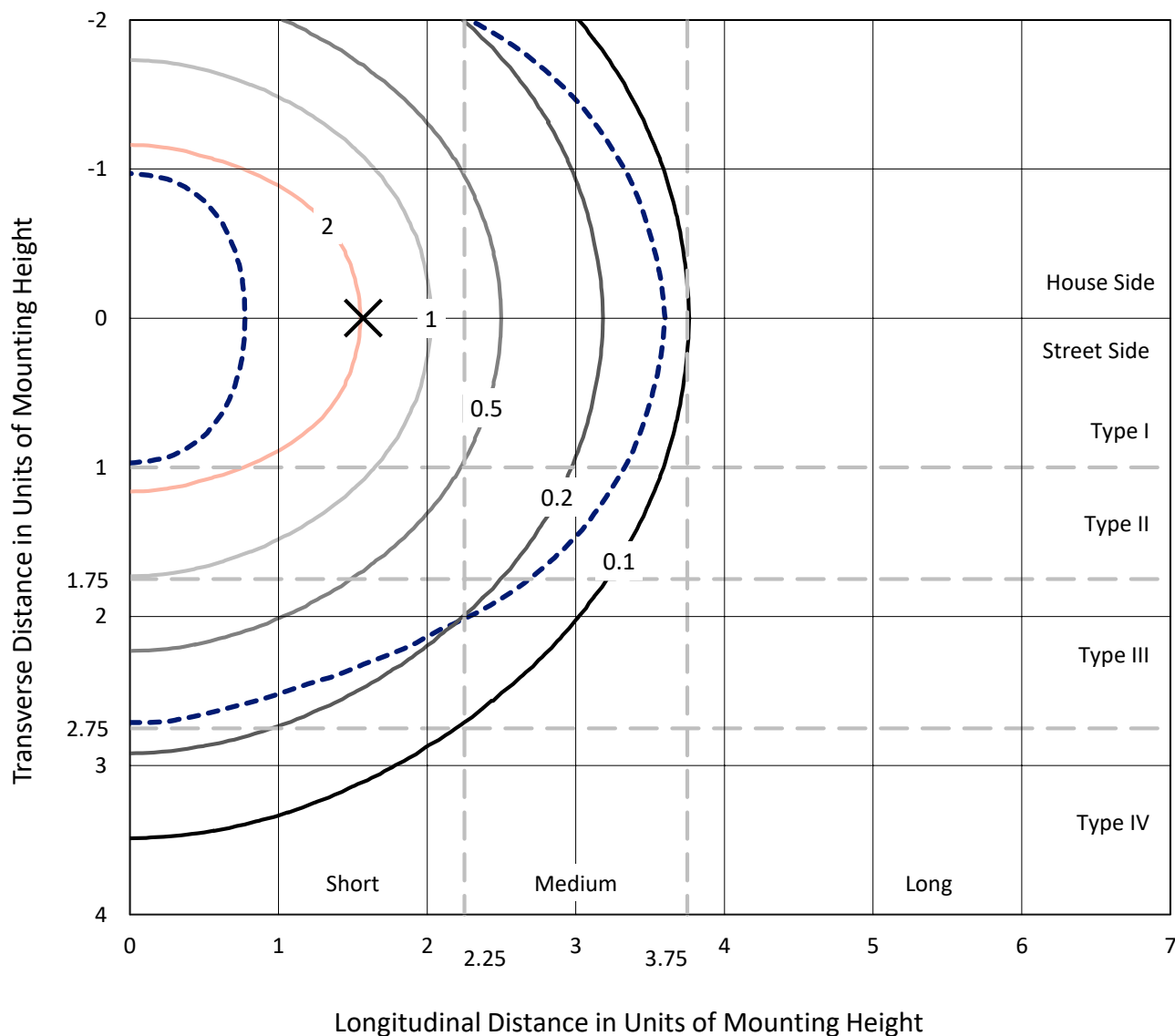
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

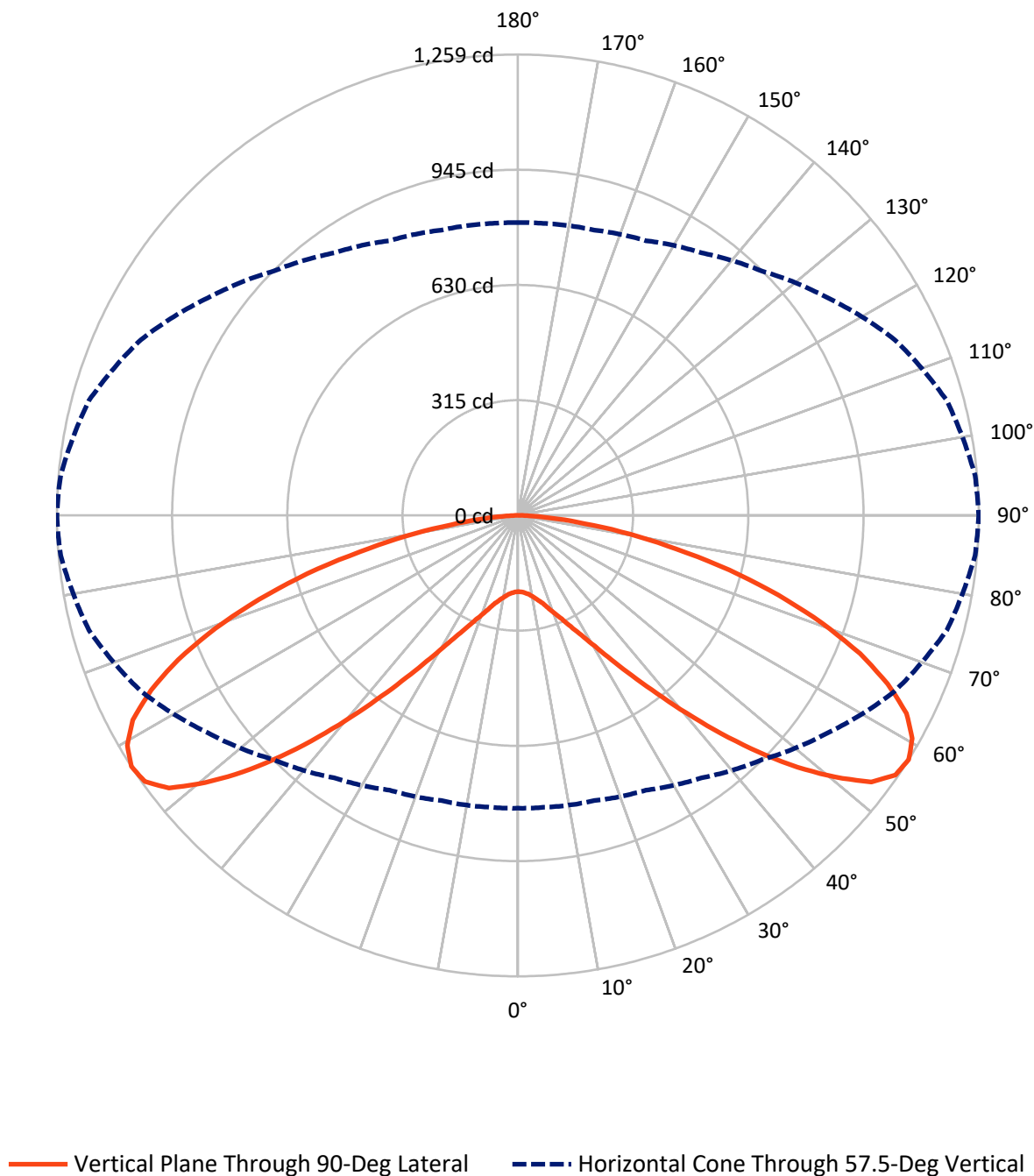


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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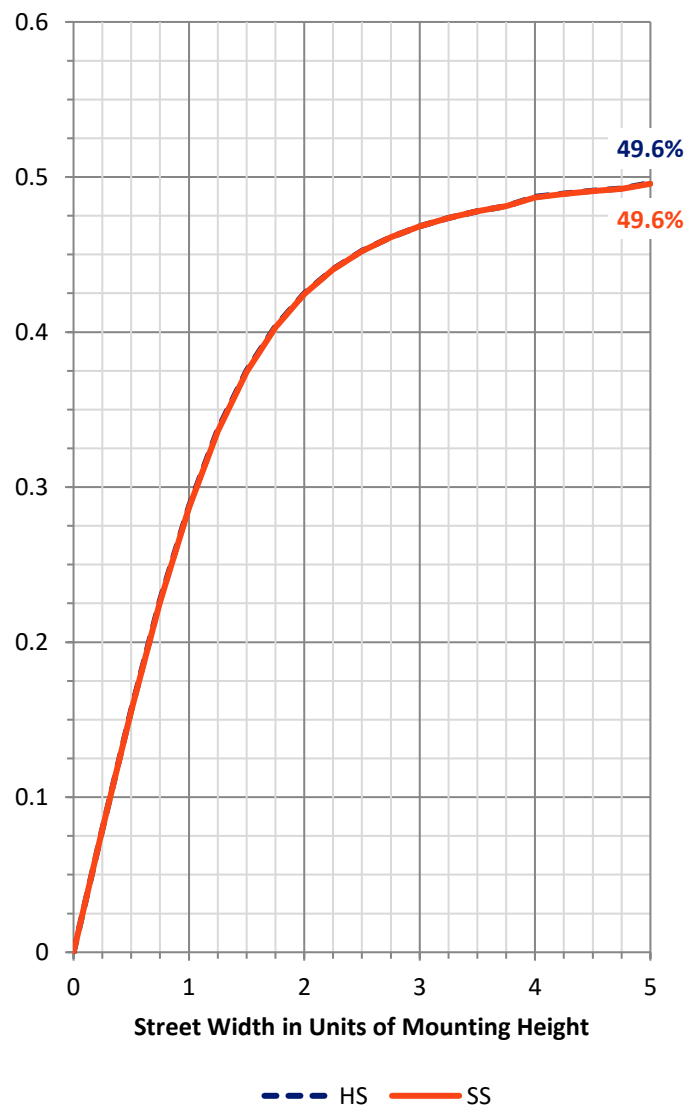
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1752.1	0.0	1752.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1752.1	0.0	1752.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3504.1	0.0	3504.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.6
10°-20°	71.6	2.0
20°-30°	156.1	4.5
30°-40°	313.3	8.9
40°-50°	585.1	16.7
50°-60°	861.8	24.6
60°-70°	868.2	24.8
70°-80°	518.2	14.8
80°-90°	109.2	3.1
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°	3504.1	100.0
0°-180°	3504.1	100.0

Coefficient of Utilization



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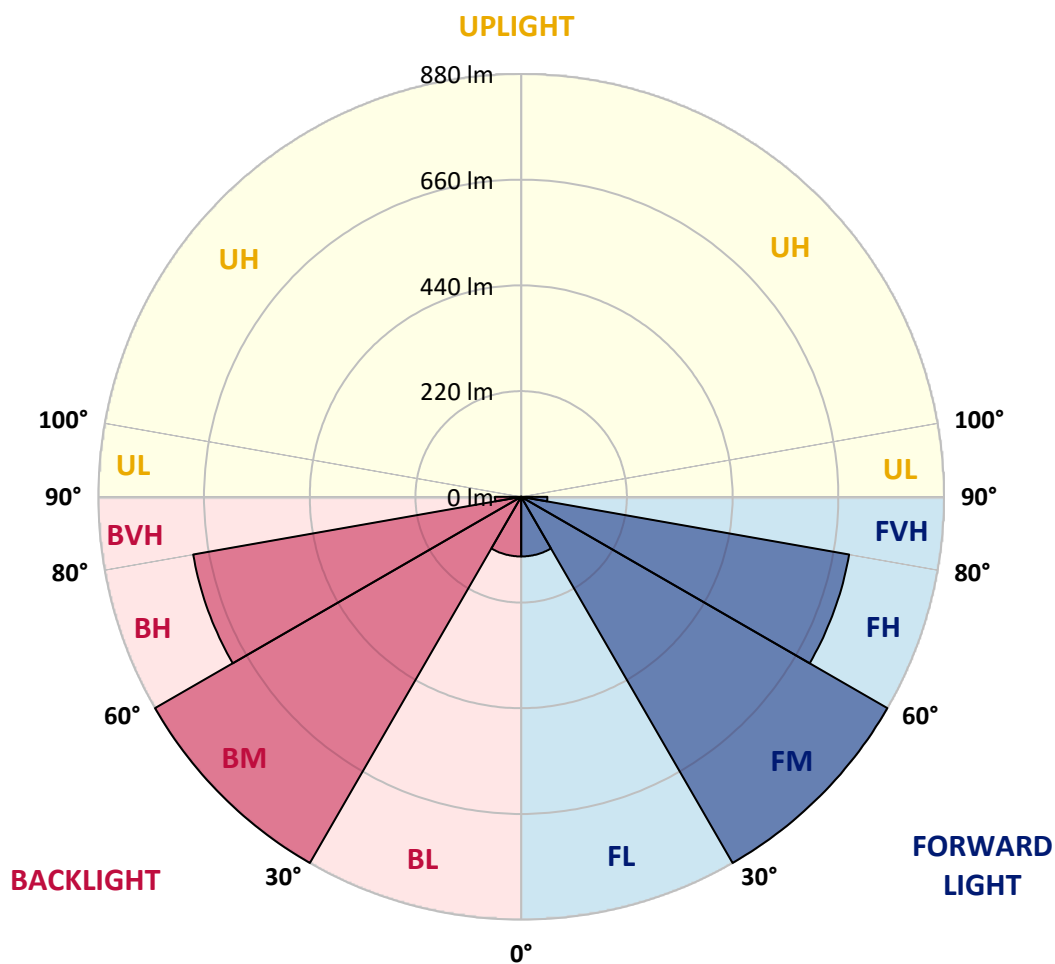
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.2	3.5			
FM	(30°-60°)	880.1	25.1			
FH	(60°-80°)	693.2	19.8			G1/1800
FVH	(80°-90°)	54.6	1.6			G1/100
BL	(0°-30°)	124.2	3.5	B1/500		
BM	(30°-60°)	880.1	25.1	B1/1000		
BH	(60°-80°)	693.2	19.8	B2/1000		G2/1000
BVH	(80°-90°)	54.6	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4	208.4
2.5°	209.9	209.9	209.9	209.9	209.9	209.1	209.9	209.1	209.1	209.1	209.1
5°	212.2	212.2	212.2	212.9	212.9	212.9	212.9	212.2	212.9	212.2	212.9
7.5°	217.5	217.5	217.5	217.5	217.5	217.5	218.3	217.5	218.3	217.5	217.5
10°	224.4	224.4	224.4	224.4	225.1	225.1	225.1	225.9	225.9	225.9	225.9
12.5°	234.2	234.2	234.2	234.2	234.2	234.2	235.0	235.0	235.8	235.8	235.8
15°	247.2	247.2	246.4	246.4	246.4	247.2	247.2	248.7	247.9	247.9	247.9
17.5°	263.1	262.4	262.4	262.4	262.4	262.4	262.4	263.9	263.9	263.9	264.7
20°	280.6	282.2	281.4	279.9	279.9	279.9	280.6	282.2	282.2	284.4	285.2
22.5°	305.0	305.7	304.2	303.5	301.2	301.2	303.5	304.2	307.3	306.5	307.3
25°	330.8	330.1	329.3	327.8	327.8	327.8	329.3	331.6	333.9	336.2	336.2
27.5°	359.7	359.0	358.2	357.5	355.9	358.2	359.7	365.1	366.6	371.9	370.4
30°	391.7	392.4	390.9	390.2	389.4	390.2	396.2	403.8	409.9	413.7	414.5
32.5°	427.4	428.2	427.4	425.9	427.4	431.2	438.8	448.7	460.9	467.7	470.0
35°	467.0	468.5	467.0	468.5	470.0	476.9	490.5	505.8	527.1	533.1	536.9
37.5°	509.6	508.0	507.3	509.6	516.4	530.9	549.9	576.5	598.5	616.8	616.8
40°	552.1	552.9	553.7	553.7	566.6	586.4	617.6	653.3	686.0	709.6	710.3
42.5°	597.8	597.8	597.8	604.6	620.6	651.8	692.1	744.6	789.4	811.5	814.5
45°	644.2	647.2	648.7	657.9	681.4	721.0	774.2	837.3	894.4	924.1	922.5
47.5°	689.8	693.6	696.7	710.3	742.3	784.9	851.0	927.1	991.7	1025.2	1028.2
50°	737.0	734.7	740.8	757.5	793.2	848.0	918.7	1006.2	1080.0	1121.0	1124.1
52.5°	768.1	767.4	773.5	791.0	832.8	894.4	975.8	1075.4	1155.3	1197.8	1210.0
55°	790.2	789.4	796.3	816.8	862.4	927.9	1016.1	1121.0	1201.6	1245.8	1251.8
57.5°	800.1	800.8	806.9	828.2	875.4	943.8	1035.1	1136.2	1213.1	1254.1	1259.4
60°	798.6	799.3	804.6	825.2	871.6	937.7	1026.0	1121.0	1194.0	1232.1	1238.2
62.5°	782.6	781.8	786.4	803.9	845.0	906.6	991.0	1080.7	1149.9	1184.9	1191.8
65°	749.1	748.4	748.4	763.6	798.6	851.0	930.9	1010.8	1075.4	1108.9	1110.4
67.5°	694.4	694.4	692.8	702.0	727.8	778.8	847.2	920.2	972.7	1003.9	1008.5
70°	620.6	622.1	616.8	622.1	643.4	683.7	744.6	803.1	844.2	879.9	882.2
72.5°	540.0	533.9	531.6	533.1	549.1	575.0	627.4	676.9	714.9	739.2	743.8
75°	435.8	435.8	434.3	432.0	441.1	467.0	502.0	542.3	574.2	590.9	597.0
77.5°	333.9	336.9	332.4	332.4	339.2	359.0	389.4	411.4	434.3	445.7	442.6
80°	237.3	236.5	234.2	232.7	240.3	251.7	276.1	289.0	295.8	306.5	311.1
82.5°	146.8	148.3	150.6	143.7	146.8	157.4	170.4	177.2	180.2	184.8	184.0
85°	72.3	73.0	73.8	74.5	74.5	78.3	85.9	89.0	91.3	93.5	92.0
87.5°	26.6	25.1	24.3	24.3	24.3	25.1	28.9	28.1	29.7	29.7	31.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)