

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: P198112

Luminaire Tested: **TT-C1-LED-E1-RW-SG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198112
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-C1-LED-E1-RW-SG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2673.3 lumens
Efficiency: N/A
Efficacy: 95.5 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): 28
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

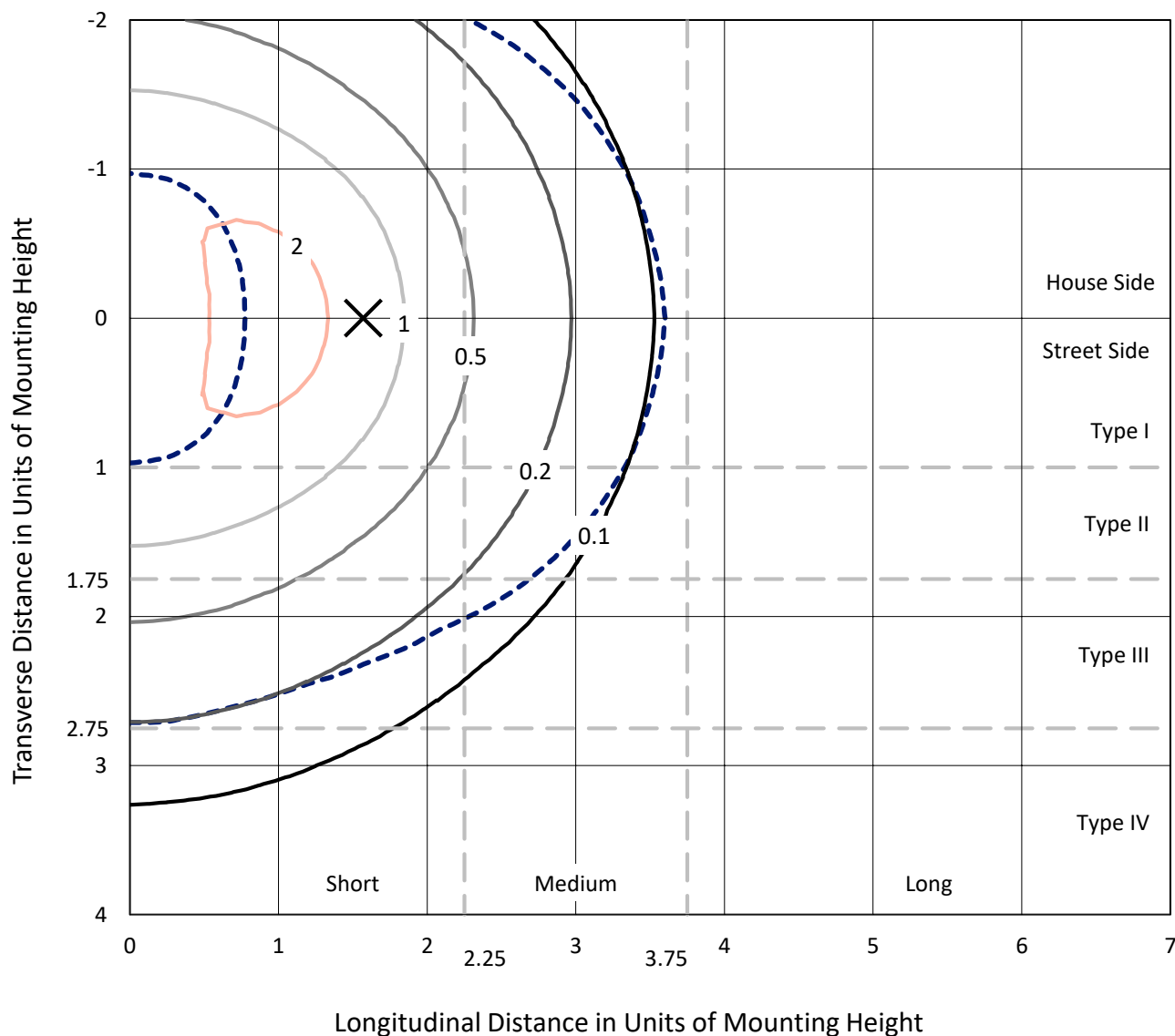


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

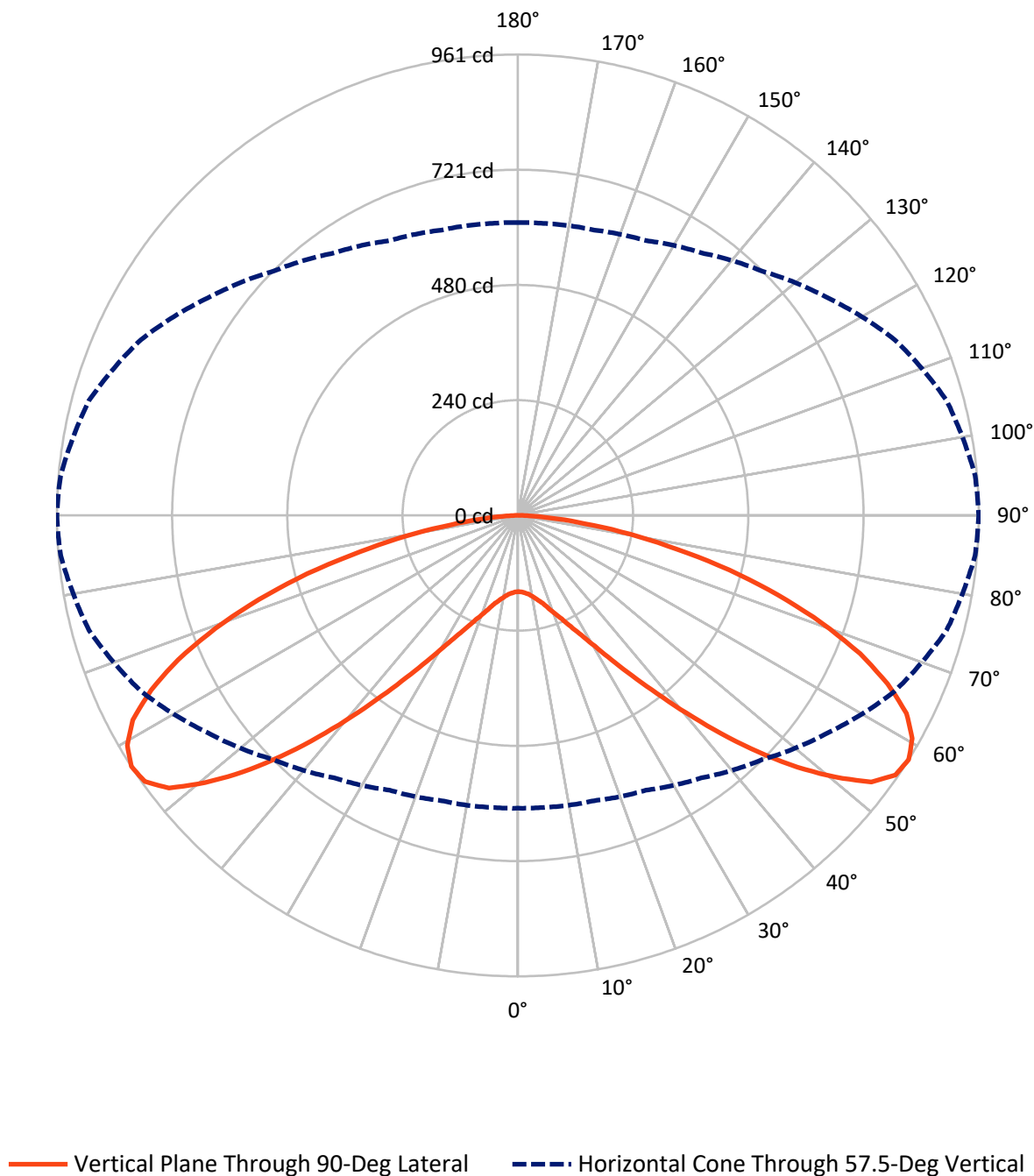


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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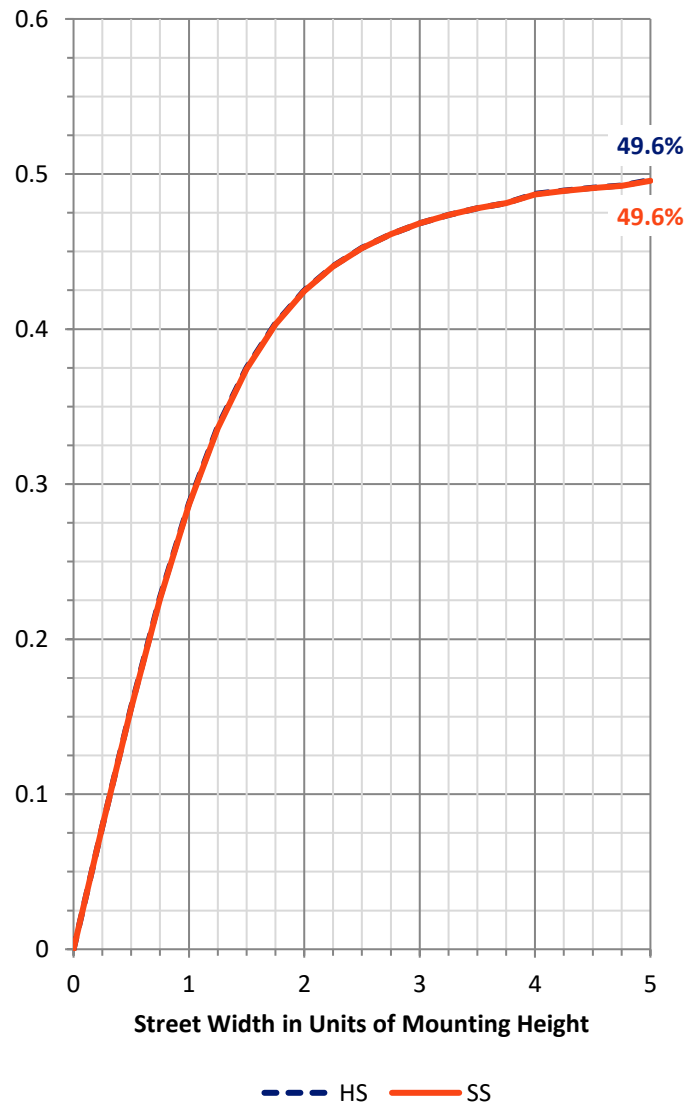
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1336.6	0.0	1336.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1336.6	0.0	1336.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2673.3	0.0	2673.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.6
10°-20°	54.6	2.0
20°-30°	119.1	4.5
30°-40°	239.0	8.9
40°-50°	446.4	16.7
50°-60°	657.4	24.6
60°-70°	662.3	24.8
70°-80°	395.4	14.8
80°-90°	83.3	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°	2673.3	100.0
0°-180°	2673.3	100.0

Coefficient of Utilization



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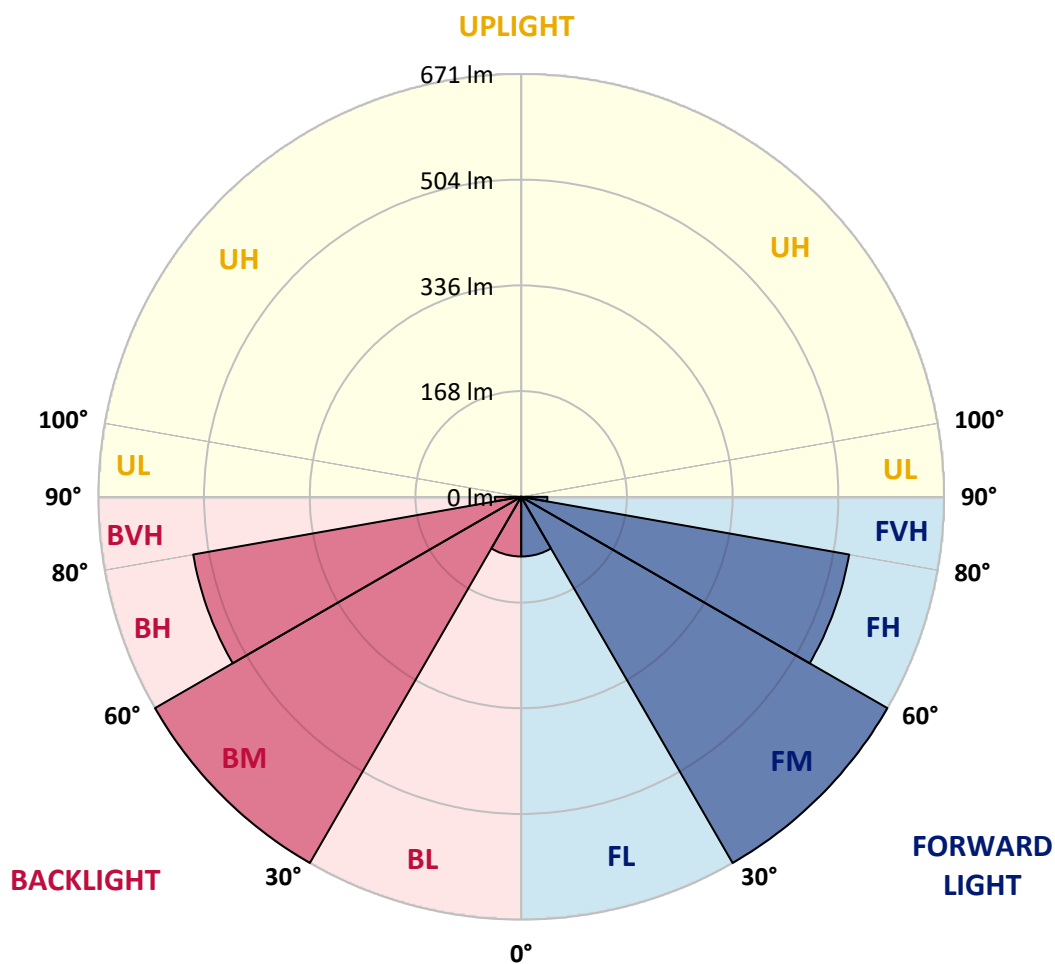
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	94.7	3.5			
FM	(30°-60°)	671.4	25.1			
FH	(60°-80°)	528.8	19.8			G0/660
FVH	(80°-90°)	41.7	1.6			G1/100
BL	(0°-30°)	94.7	3.5	B0/110		
BM	(30°-60°)	671.4	25.1	B1/1000		
BH	(60°-80°)	528.8	19.8	B2/1000		G2/1000
BVH	(80°-90°)	41.7	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°	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0	159.0
2.5°	160.1	160.1	160.1	160.1	160.1	159.6	160.1	159.6	159.6	159.6	159.6
5°	161.9	161.9	161.9	162.5	162.5	162.5	162.5	161.9	162.5	161.9	162.5
7.5°	165.9	165.9	165.9	165.9	165.9	165.9	166.5	165.9	166.5	165.9	165.9
10°	171.2	171.2	171.2	171.2	171.7	171.7	171.7	172.3	172.3	172.3	172.3
12.5°	178.7	178.7	178.7	178.7	178.7	178.7	179.3	179.3	179.9	179.9	179.9
15°	188.6	188.6	188.0	188.0	188.0	188.6	188.6	189.7	189.1	189.1	189.1
17.5°	200.8	200.2	200.2	200.2	200.2	200.2	200.2	201.3	201.3	201.3	201.9
20°	214.1	215.3	214.7	213.5	213.5	213.5	214.1	215.3	215.3	217.0	217.6
22.5°	232.7	233.2	232.1	231.5	229.8	229.8	231.5	232.1	234.4	233.8	234.4
25°	252.4	251.8	251.2	250.1	250.1	250.1	251.2	253.0	254.7	256.5	256.5
27.5°	274.4	273.9	273.3	272.7	271.5	273.3	274.4	278.5	279.7	283.7	282.6
30°	298.8	299.4	298.2	297.6	297.1	297.6	302.3	308.1	312.7	315.6	316.2
32.5°	326.1	326.7	326.1	324.9	326.1	329.0	334.8	342.3	351.6	356.8	358.6
35°	356.3	357.4	356.3	357.4	358.6	363.8	374.2	385.8	402.1	406.7	409.6
37.5°	388.7	387.6	387.0	388.7	394.0	405.0	419.5	439.8	456.6	470.6	470.6
40°	421.2	421.8	422.4	422.4	432.3	447.3	471.1	498.4	523.4	541.3	541.9
42.5°	456.0	456.0	456.0	461.3	473.5	497.2	528.0	568.0	602.3	619.1	621.4
45°	491.4	493.8	494.9	501.9	519.9	550.0	590.7	638.8	682.3	705.0	703.8
47.5°	526.3	529.2	531.5	541.9	566.3	598.8	649.3	707.3	756.6	782.1	784.4
50°	562.2	560.5	565.1	577.9	605.2	646.9	700.9	767.6	823.9	855.2	857.6
52.5°	586.0	585.4	590.1	603.4	635.3	682.3	744.4	820.4	881.3	913.8	923.1
55°	602.8	602.3	607.5	623.1	658.0	707.9	775.2	855.2	916.7	950.4	955.0
57.5°	610.4	611.0	615.6	631.9	667.8	720.0	789.7	866.8	925.4	956.8	960.8
60°	609.2	609.8	613.9	629.5	664.9	715.4	782.7	855.2	910.9	939.9	944.6
62.5°	597.0	596.5	599.9	613.3	644.6	691.6	756.0	824.5	877.3	904.0	909.2
65°	571.5	570.9	570.9	582.5	609.2	649.3	710.2	771.1	820.4	845.9	847.1
67.5°	529.7	529.7	528.6	535.5	555.3	594.1	646.4	702.1	742.1	765.9	769.4
70°	473.5	474.6	470.6	474.6	490.9	521.6	568.0	612.7	644.0	671.3	673.0
72.5°	412.0	407.3	405.6	406.7	418.9	438.6	478.7	516.4	545.4	564.0	567.4
75°	332.5	332.5	331.3	329.6	336.5	356.3	382.9	413.7	438.1	450.8	455.5
77.5°	254.7	257.0	253.6	253.6	258.8	273.9	297.1	313.9	331.3	340.0	337.7
80°	181.0	180.4	178.7	177.5	183.3	192.1	210.6	220.5	225.7	233.8	237.3
82.5°	112.0	113.1	114.9	109.7	112.0	120.1	130.0	135.2	137.5	141.0	140.4
85°	55.1	55.7	56.3	56.9	56.9	59.8	65.6	67.9	69.6	71.4	70.2
87.5°	20.3	19.1	18.6	18.6	18.6	19.1	22.0	21.5	22.6	22.6	23.8
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)