

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: P198092

Luminaire Tested: **TT-C2-LED-E1-RW-SG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
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-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3046.9 lumens
Efficiency: N/A
Efficacy: 89.6 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

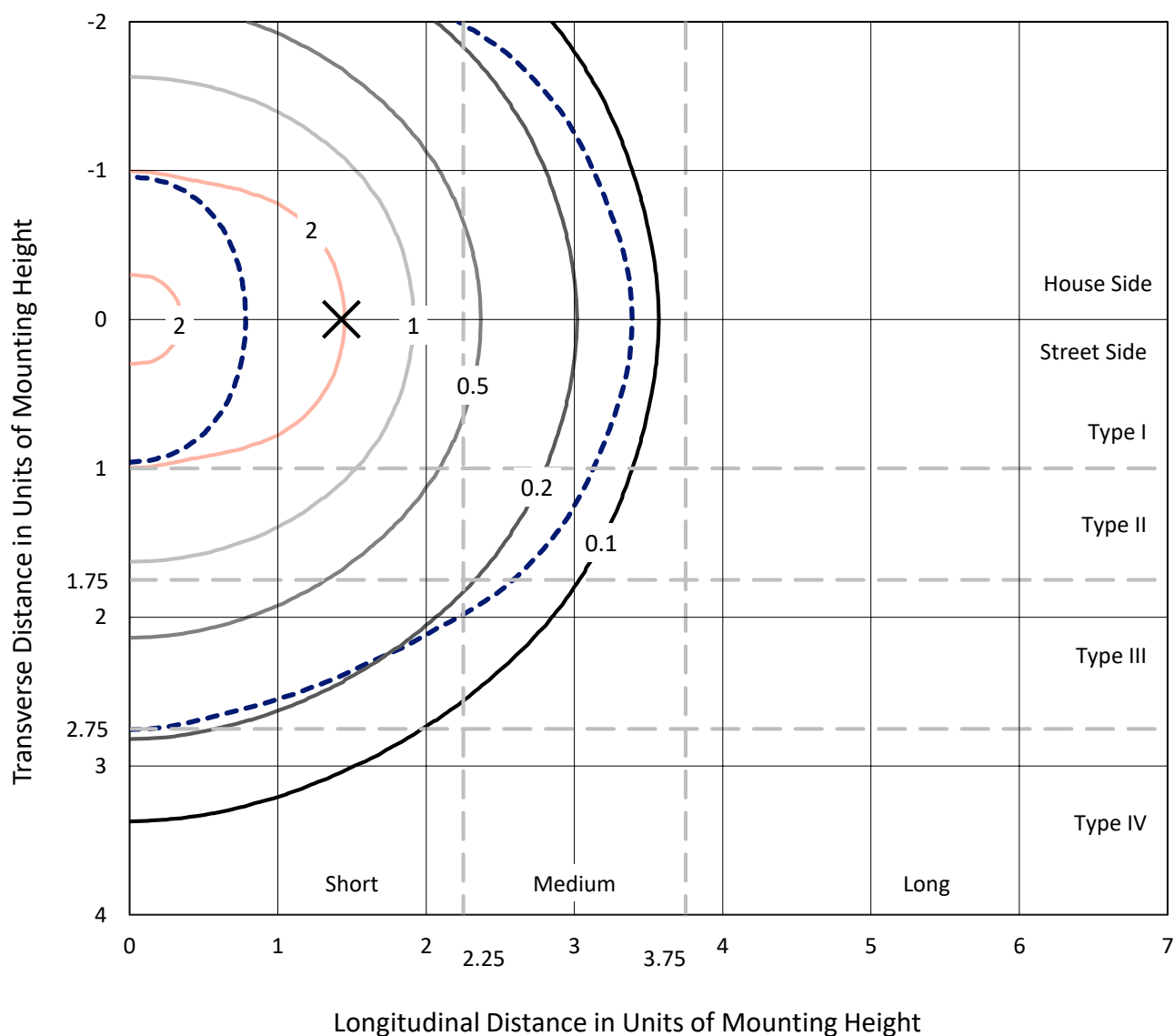


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

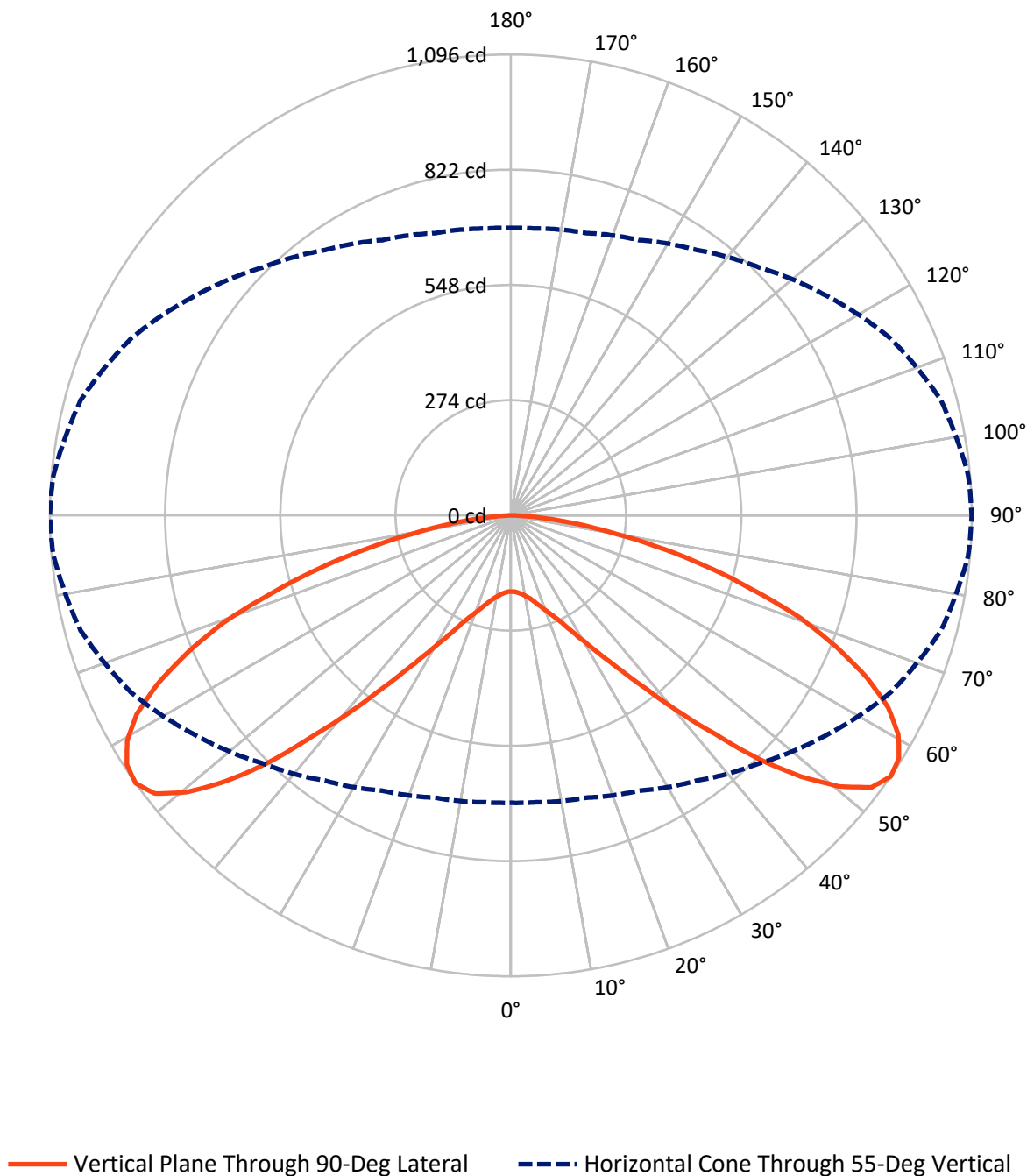


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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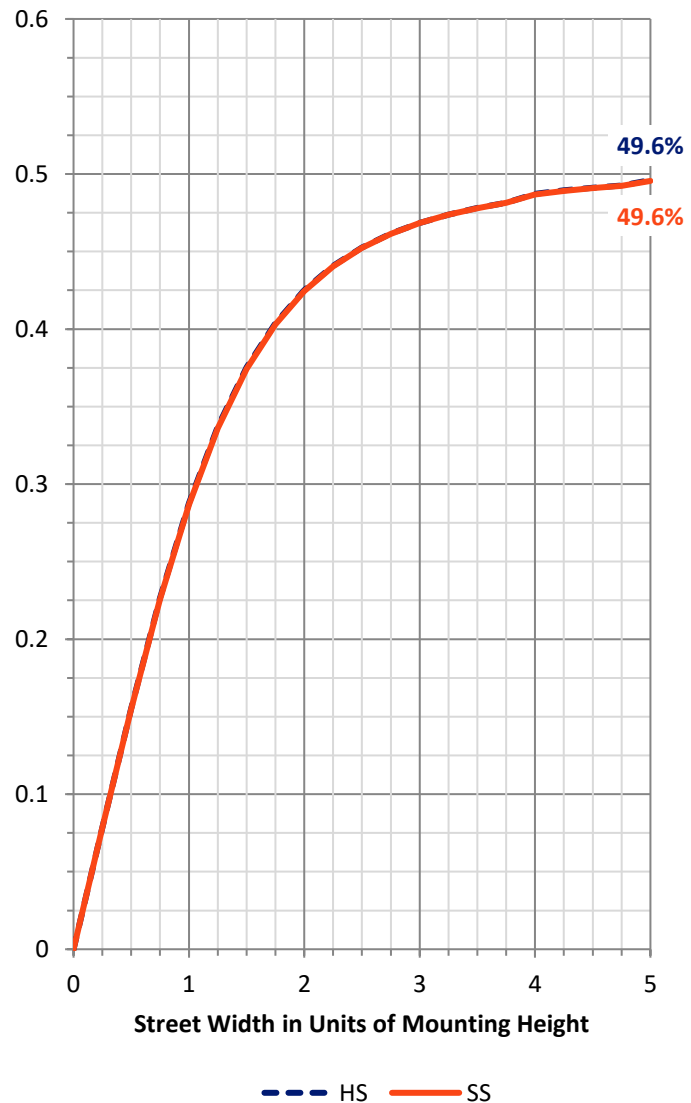
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1523.4	0.0	1523.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1523.4	0.0	1523.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	3046.9	0.0	3046.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.6
10°-20°	62.2	2.0
20°-30°	135.9	4.5
30°-40°	273.2	9.0
40°-50°	516.4	16.9
50°-60°	761.7	25.0
60°-70°	750.2	24.6
70°-80°	436.9	14.3
80°-90°	92.5	3.0
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°	3046.9	100.0
0°-180°	3046.9	100.0

Coefficient of Utilization



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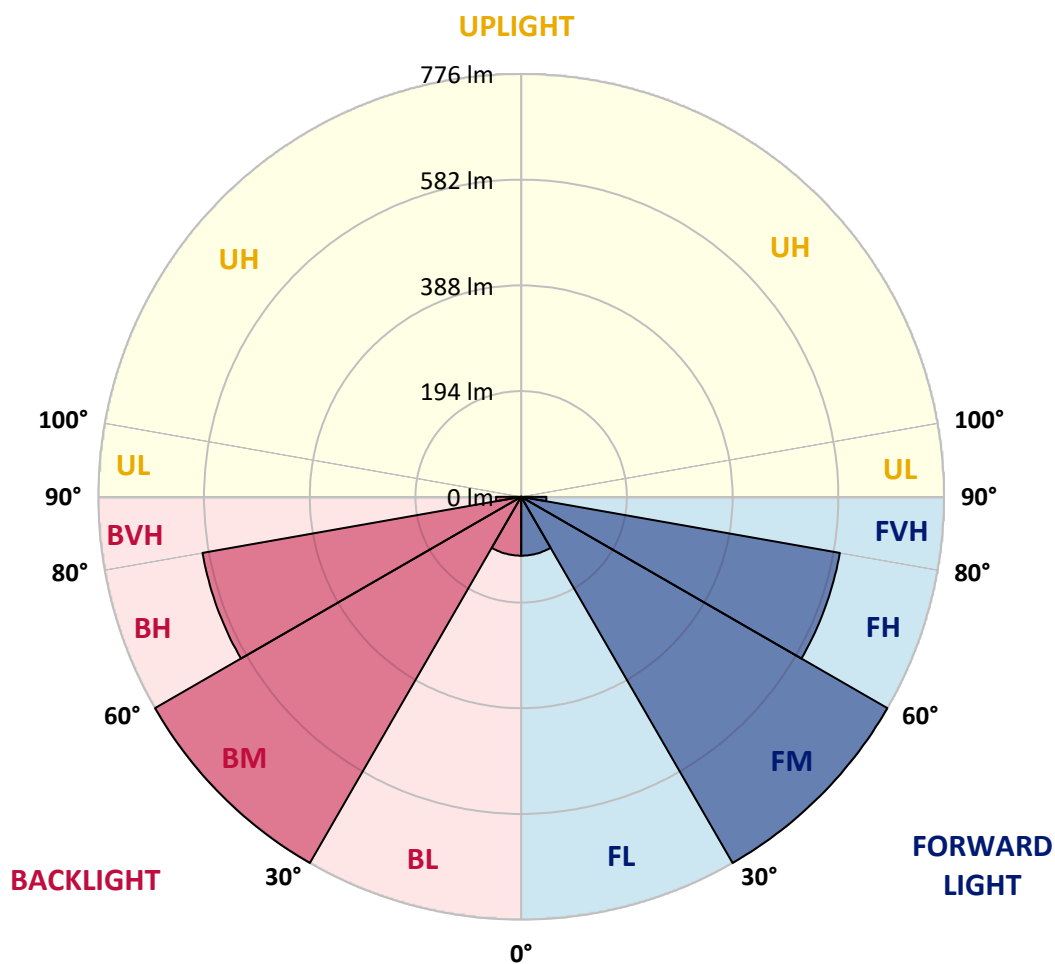
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.0	3.5			
FM	(30°-60°)	775.6	25.5			
FH	(60°-80°)	593.5	19.5			G0/660
FVH	(80°-90°)	46.2	1.5			G1/100
BL	(0°-30°)	108.0	3.5	B0/110		
BM	(30°-60°)	775.6	25.5	B1/1000		
BH	(60°-80°)	593.5	19.5	B2/1000		G2/1000
BVH	(80°-90°)	46.2	1.5			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°	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0	181.0
2.5°	182.4	182.4	182.4	182.4	181.7	182.4	181.7	181.7	181.7	181.7	181.7
5°	184.5	185.2	184.5	184.5	184.5	184.5	184.5	184.5	183.8	183.8	184.5
7.5°	189.4	189.4	189.4	189.4	188.7	189.4	188.7	188.7	188.7	188.7	188.7
10°	196.5	196.5	196.5	196.5	195.8	195.8	195.8	195.1	195.1	195.1	195.1
12.5°	204.9	205.6	205.6	204.9	204.2	204.2	203.5	203.5	203.5	203.5	202.8
15°	217.6	216.9	216.9	215.5	215.5	214.1	214.8	214.1	213.4	212.7	213.4
17.5°	230.3	231.0	231.0	229.6	228.9	228.1	226.7	226.7	226.0	226.7	226.7
20°	250.0	250.0	248.6	247.2	245.0	244.3	242.9	242.9	241.5	242.9	242.9
22.5°	269.7	269.7	268.3	267.6	264.8	262.7	261.9	261.2	260.5	261.9	260.5
25°	294.3	294.3	292.9	290.1	287.3	286.6	284.5	284.5	285.2	285.9	283.1
27.5°	319.7	320.4	319.0	316.9	314.1	311.2	311.2	311.9	312.6	315.5	314.8
30°	350.7	350.0	347.9	345.0	343.6	341.5	342.2	345.0	347.9	350.7	350.7
32.5°	382.4	381.7	381.0	378.1	377.4	376.7	380.2	385.9	391.5	393.6	397.1
35°	416.2	416.2	415.5	413.3	414.8	418.3	423.9	434.5	442.9	452.8	452.8
37.5°	453.5	452.1	452.8	452.8	456.3	462.6	476.0	496.4	514.0	523.9	523.9
40°	492.2	490.1	490.8	494.3	500.7	516.1	539.4	567.6	595.7	608.4	612.6
42.5°	529.5	527.4	530.2	533.8	549.2	573.2	607.7	650.6	690.8	710.5	709.8
45°	564.0	565.4	569.0	577.4	599.9	635.2	684.4	742.2	794.3	817.5	826.0
47.5°	598.5	599.2	604.2	619.0	650.6	695.0	754.9	831.6	889.4	916.8	927.4
50°	630.9	632.3	640.8	661.9	699.2	752.7	826.7	908.4	971.7	1004.1	1013.3
52.5°	659.8	661.2	671.1	697.1	741.5	803.4	880.9	964.7	1031.6	1068.9	1074.5
55°	683.7	685.1	695.0	722.5	770.4	834.4	913.3	996.4	1059.1	1092.2	1096.4
57.5°	697.8	698.5	709.1	737.3	784.4	844.3	920.3	1000.6	1055.5	1085.1	1088.6
60°	698.5	699.9	709.8	735.1	778.8	833.7	906.3	978.1	1028.1	1054.8	1059.1
62.5°	685.9	686.6	695.0	714.7	752.0	799.9	866.8	931.6	976.7	1002.7	1007.7
65°	657.0	657.0	661.2	676.0	704.9	745.7	802.7	862.6	904.1	928.1	930.9
67.5°	609.1	609.1	609.8	619.7	639.4	671.8	720.4	770.4	807.7	831.6	835.1
70°	547.8	547.1	541.5	547.8	560.5	588.0	630.9	669.0	699.2	718.2	730.9
72.5°	470.4	467.6	463.3	461.9	474.6	498.5	533.8	559.8	576.7	597.1	598.5
75°	380.2	378.8	373.2	373.2	385.9	404.9	433.1	450.7	459.1	472.5	475.3
77.5°	283.8	283.1	285.2	285.9	292.9	313.4	329.5	342.2	340.1	348.6	351.4
80°	198.6	200.0	200.0	199.3	206.3	214.1	231.7	235.2	232.4	235.2	235.2
82.5°	126.0	125.3	123.9	126.0	131.7	138.0	145.1	145.8	147.9	145.8	147.2
85°	63.4	62.7	64.1	64.8	67.6	71.1	77.5	78.9	75.3	75.3	73.9
87.5°	21.8	23.2	21.8	22.5	22.5	26.1	25.3	25.3	25.3	25.3	26.8
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)