

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: P198134

Luminaire Tested: **TT-C1-LED-E1-RW-PM-SG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34699)
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-PM-SG
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3012.4 lumens
Efficiency: N/A
Efficacy: 107.6 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): 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

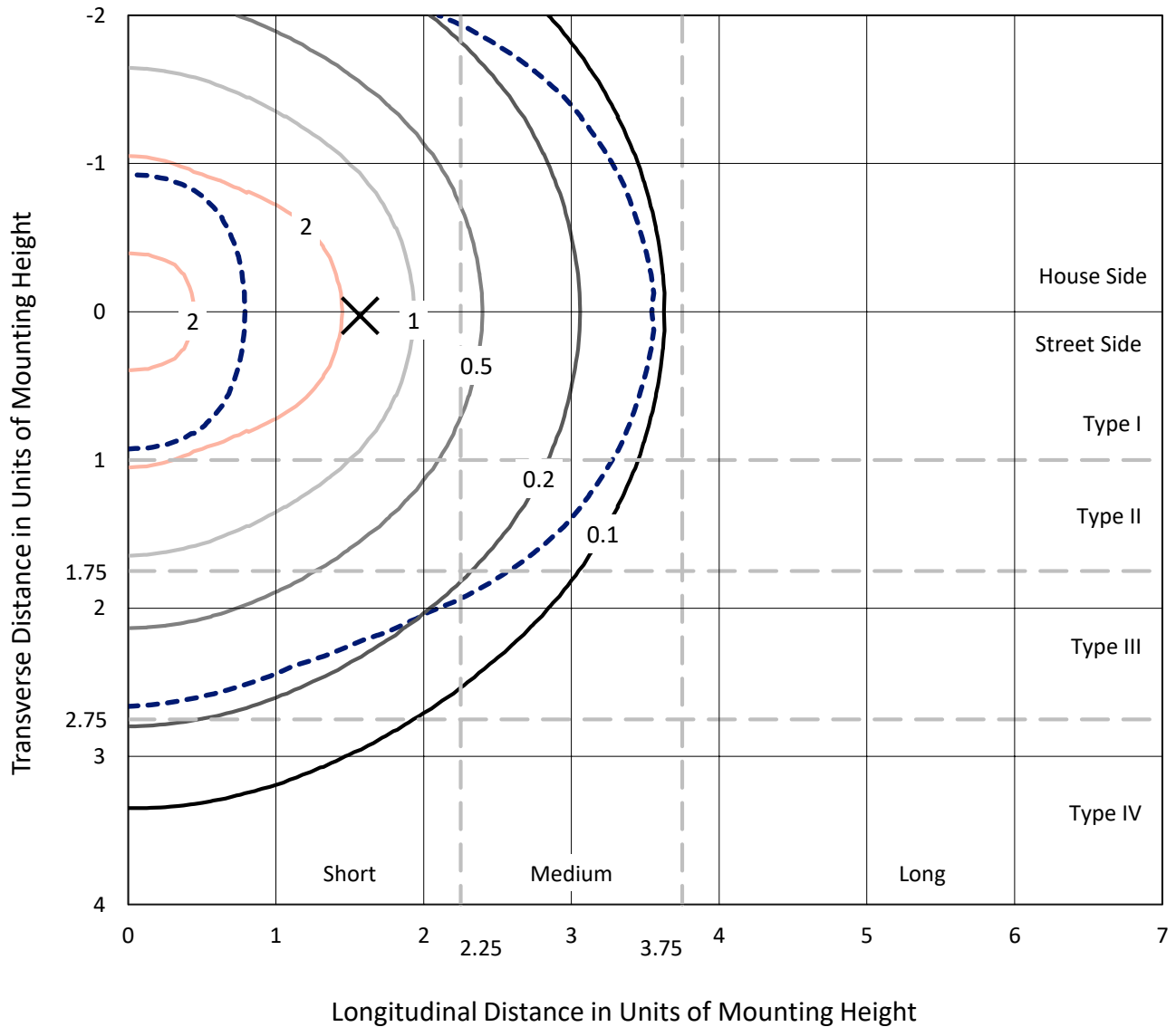


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

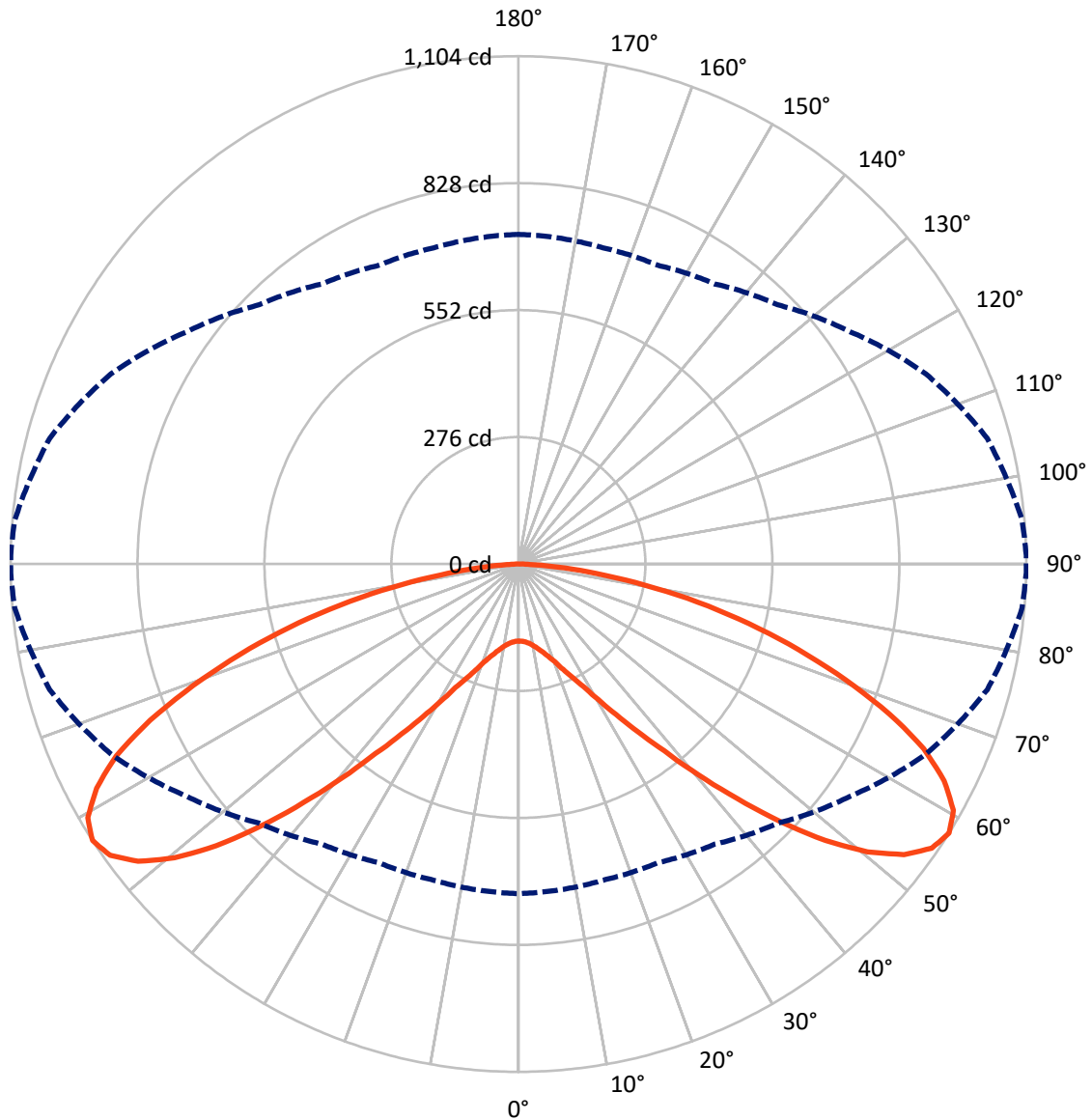


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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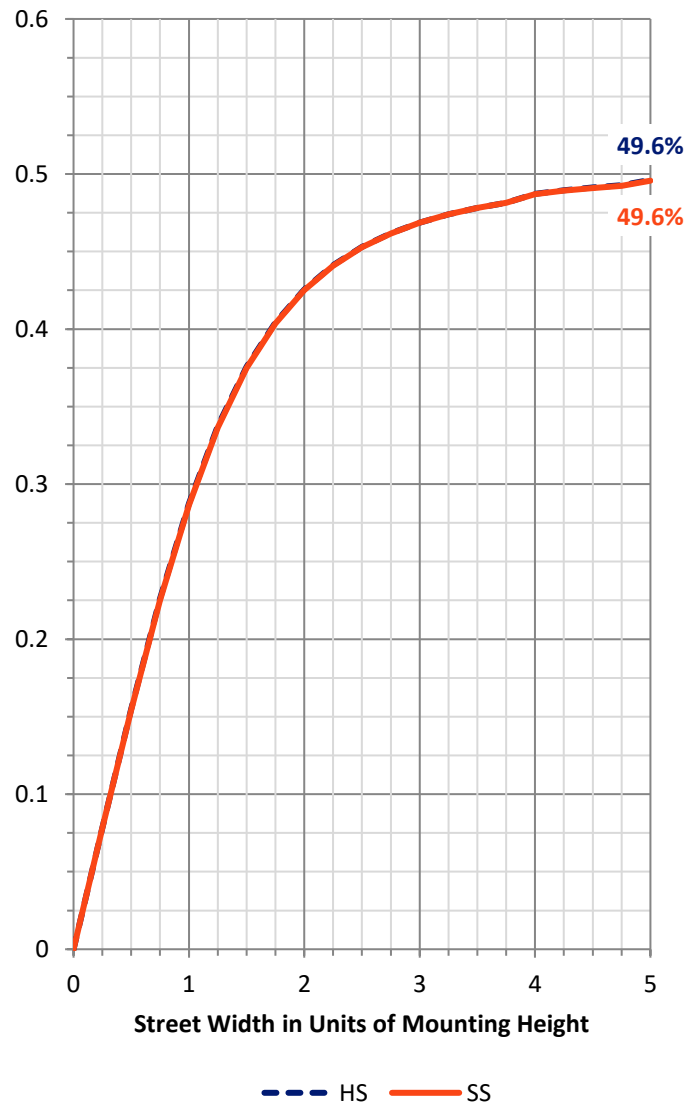
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1506.2	0.0	1506.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1506.2	0.0	1506.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	3012.4	0.0	3012.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.6
10°-20°	58.0	1.9
20°-30°	129.9	4.3
30°-40°	268.9	8.9
40°-50°	510.4	16.9
50°-60°	746.9	24.8
60°-70°	744.6	24.7
70°-80°	443.2	14.7
80°-90°	93.7	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°	3012.4	100.0
0°-180°	3012.4	100.0



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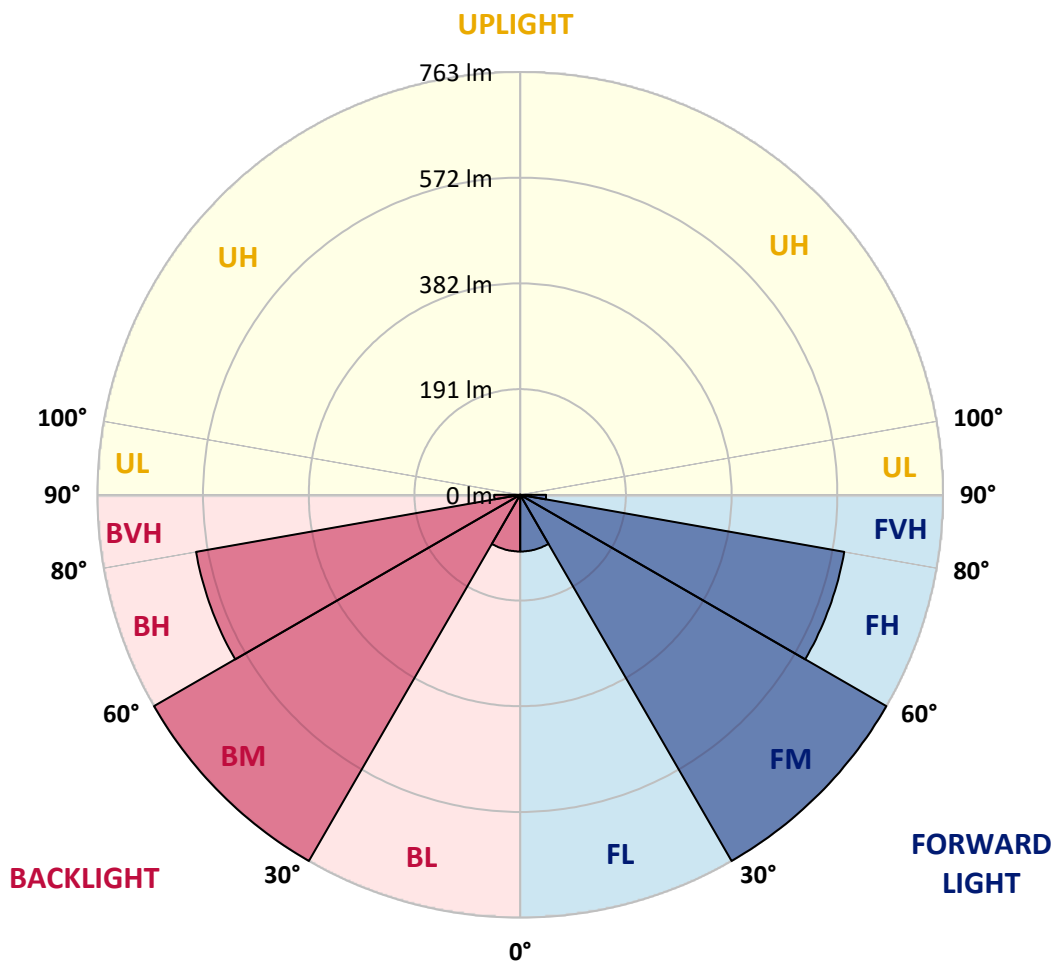
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.3	3.4			
FM (30°-60°)	763.1	25.3			
FH (60°-80°)	593.9	19.7			G0/660
FVH (80°-90°)	46.9	1.6			G1/100
BL (0°-30°)	102.3	3.4	B0/110		
BM (30°-60°)	763.1	25.3	B1/1000		
BH (60°-80°)	593.9	19.7	B2/1000		G2/1000
BVH (80°-90°)	46.9	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°	89°
0°	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3
2.5°	168.6	168.6	168.6	168.6	167.9	167.9	167.9	167.9	167.9	167.9	167.9
5°	171.1	171.1	170.5	171.1	170.5	170.5	170.5	170.5	170.5	170.5	170.5
7.5°	174.8	174.8	174.8	174.8	174.8	174.8	174.2	174.8	174.2	174.2	174.2
10°	181.7	181.1	181.7	181.1	181.1	180.5	180.5	180.5	180.5	180.5	180.5
12.5°	190.5	190.5	190.5	189.9	189.3	189.3	188.6	188.6	188.6	188.6	188.6
15°	202.4	203.0	201.2	200.5	200.5	199.3	198.7	199.3	198.7	198.7	198.7
17.5°	216.8	217.5	216.2	214.9	213.7	213.1	212.4	211.8	211.8	211.8	211.2
20°	235.6	235.6	234.4	231.9	230.0	228.7	228.7	228.1	228.1	228.7	226.9
22.5°	256.9	256.3	255.1	253.8	251.3	248.8	247.5	246.9	246.9	248.2	248.8
25°	283.3	283.9	280.1	277.6	275.1	270.7	270.1	270.7	271.3	271.3	272.6
27.5°	310.2	311.5	308.3	304.6	300.8	298.9	297.7	298.9	300.2	302.1	301.4
30°	342.2	341.5	340.9	335.3	330.9	329.0	330.3	334.0	337.1	341.5	342.2
32.5°	376.6	377.9	373.5	369.1	367.2	365.3	367.2	375.4	384.1	386.7	389.8
35°	417.4	414.9	412.3	409.2	406.1	406.1	415.5	424.9	438.7	448.1	448.1
37.5°	458.7	456.8	452.5	448.1	448.1	454.3	463.7	486.9	507.0	520.8	515.1
40°	501.3	498.8	497.6	492.6	493.2	508.2	528.3	557.1	585.9	605.4	601.6
42.5°	544.6	545.2	540.8	538.9	544.6	561.5	596.6	635.4	671.8	696.2	696.8
45°	589.1	589.1	585.9	584.7	595.3	621.0	664.9	718.2	767.0	795.2	798.4
47.5°	629.8	629.2	626.7	626.0	644.2	674.9	730.1	798.4	858.5	889.9	898.0
50°	664.9	665.5	661.8	664.9	681.2	721.9	788.3	871.1	940.0	979.5	983.2
52.5°	692.5	693.1	688.7	691.2	713.1	760.1	834.1	926.8	1002.0	1044.0	1049.0
55°	711.3	708.8	705.6	709.4	734.4	786.5	867.3	963.8	1042.1	1086.0	1089.8
57.5°	716.3	714.4	711.3	716.3	743.2	796.5	879.8	977.0	1054.7	1098.5	1103.6
60°	708.8	708.8	705.0	710.6	737.6	789.6	871.1	965.1	1039.0	1079.1	1086.0
62.5°	689.3	689.3	684.9	689.3	715.0	763.3	841.0	928.1	995.1	1030.2	1038.4
65°	653.0	652.4	649.8	651.1	672.4	718.2	789.0	867.9	926.2	957.5	968.2
67.5°	600.3	598.5	596.0	598.5	614.1	654.9	720.0	789.0	837.2	867.3	869.8
70°	533.3	531.4	528.3	527.0	543.3	575.9	628.5	689.3	729.4	751.4	753.9
72.5°	453.7	456.2	453.7	449.9	460.6	489.4	533.3	579.7	612.9	632.9	636.1
75°	375.4	376.0	369.7	368.5	376.6	394.8	430.5	466.2	495.1	512.0	517.0
77.5°	290.8	290.8	285.1	282.0	286.4	302.1	326.5	355.3	379.1	389.8	398.6
80°	209.3	209.3	204.3	196.8	201.2	209.3	231.2	246.9	265.7	277.6	278.9
82.5°	131.0	129.1	130.3	124.7	126.0	128.5	142.3	152.9	164.2	170.5	171.1
85°	68.3	65.8	64.5	61.4	59.5	63.9	70.2	77.7	80.2	85.9	84.0
87.5°	21.3	20.1	19.4	19.4	17.5	18.8	19.4	20.7	23.8	23.8	25.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°
0°	167.3
2.5°	167.9
5°	170.5
7.5°	174.2
10°	180.5
12.5°	188.0
15°	198.7
17.5°	211.8
20°	226.9
22.5°	246.9
25°	271.3
27.5°	300.2
30°	341.5
32.5°	387.9
35°	444.3
37.5°	521.4
40°	601.0
42.5°	701.2
45°	798.4
47.5°	898.0
50°	981.4
52.5°	1047.2
55°	1091.6
57.5°	1103.6
60°	1084.1
62.5°	1036.5
65°	966.9
67.5°	869.8
70°	757.6
72.5°	634.2
75°	511.4
77.5°	396.1
80°	278.9
82.5°	176.1
85°	84.0
87.5°	26.9
90°	0.0

(END OF REPORT)