

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: P197942

Luminaire Tested: **TT-C1-LED-E1-RW-PM-LWR-LW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197942
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-C1-LED-E1-RW-PM-LWR-LW
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2841.1 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): 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

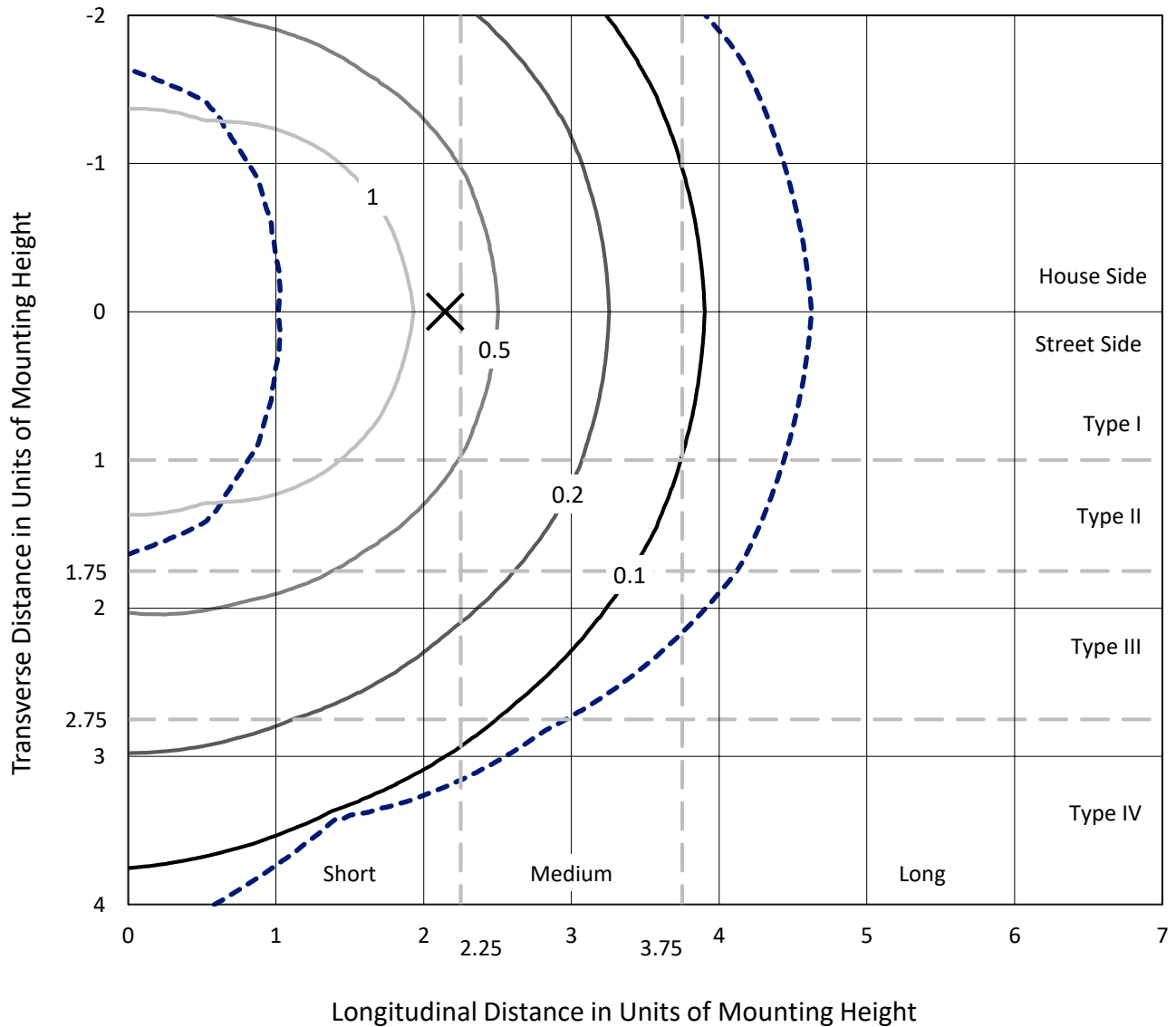


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Iso-Footcandle Lines of Horizontal Illumination

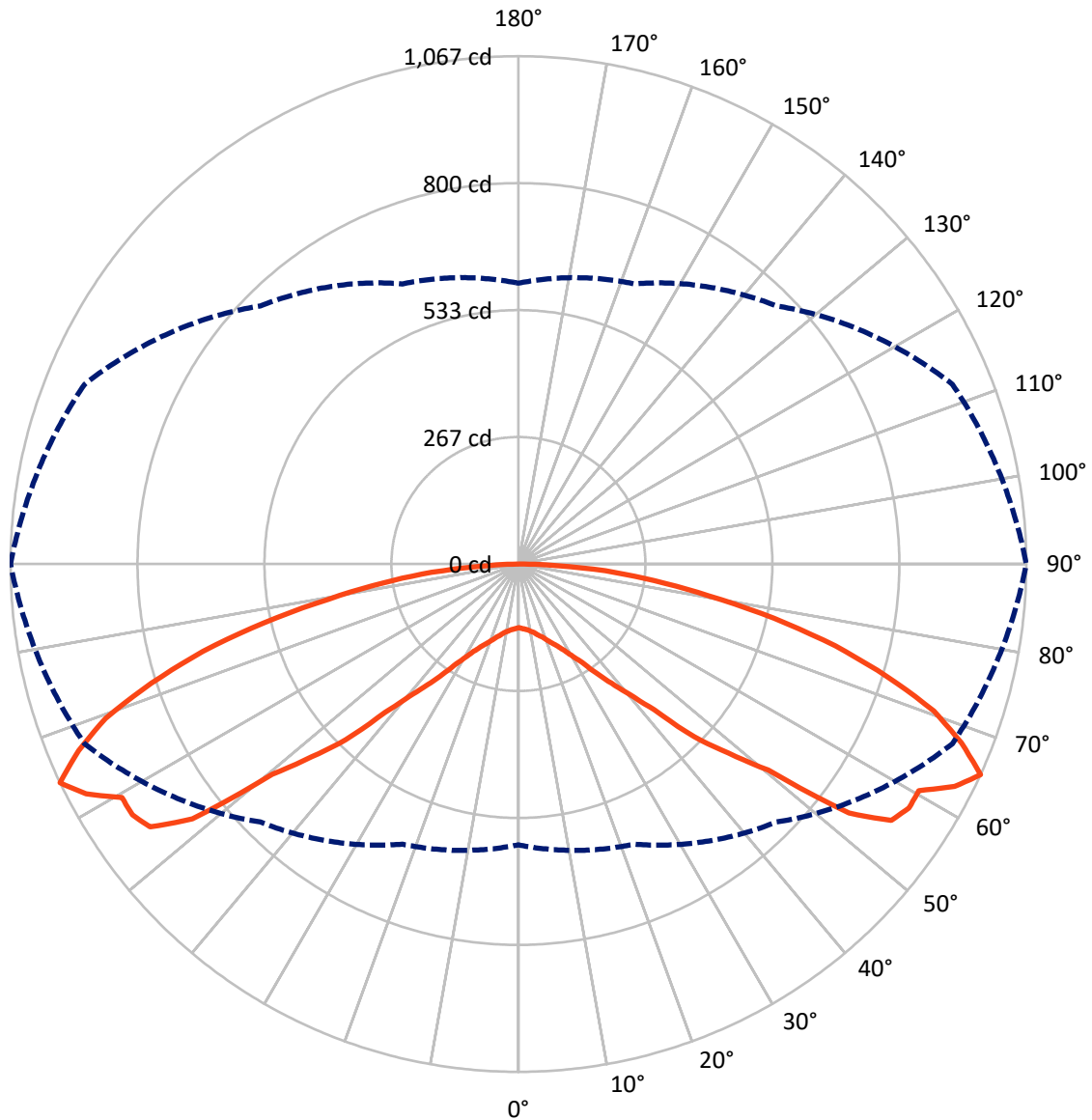
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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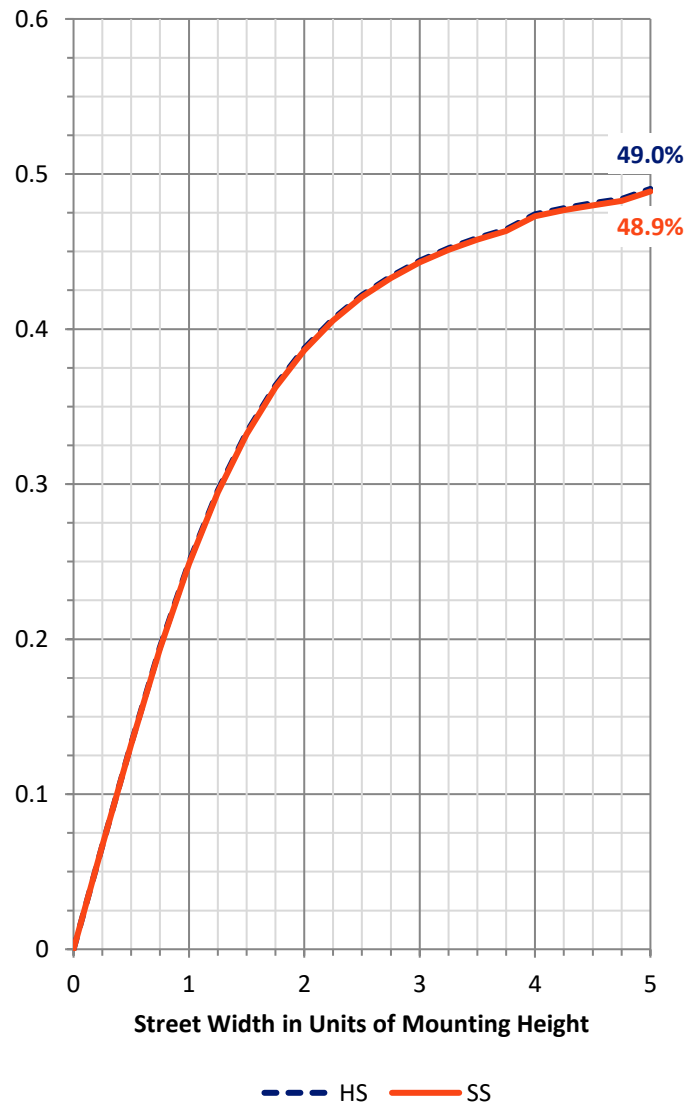
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1420.6	0.0	1420.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1420.6	0.0	1420.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	2841.1	0.0	2841.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.5
10°-20°	45.4	1.6
20°-30°	95.2	3.4
30°-40°	181.1	6.4
40°-50°	336.6	11.8
50°-60°	596.4	21.0
60°-70°	774.6	27.3
70°-80°	617.0	21.7
80°-90°	181.5	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°	2841.1	100.0
0°-180°	2841.1	100.0



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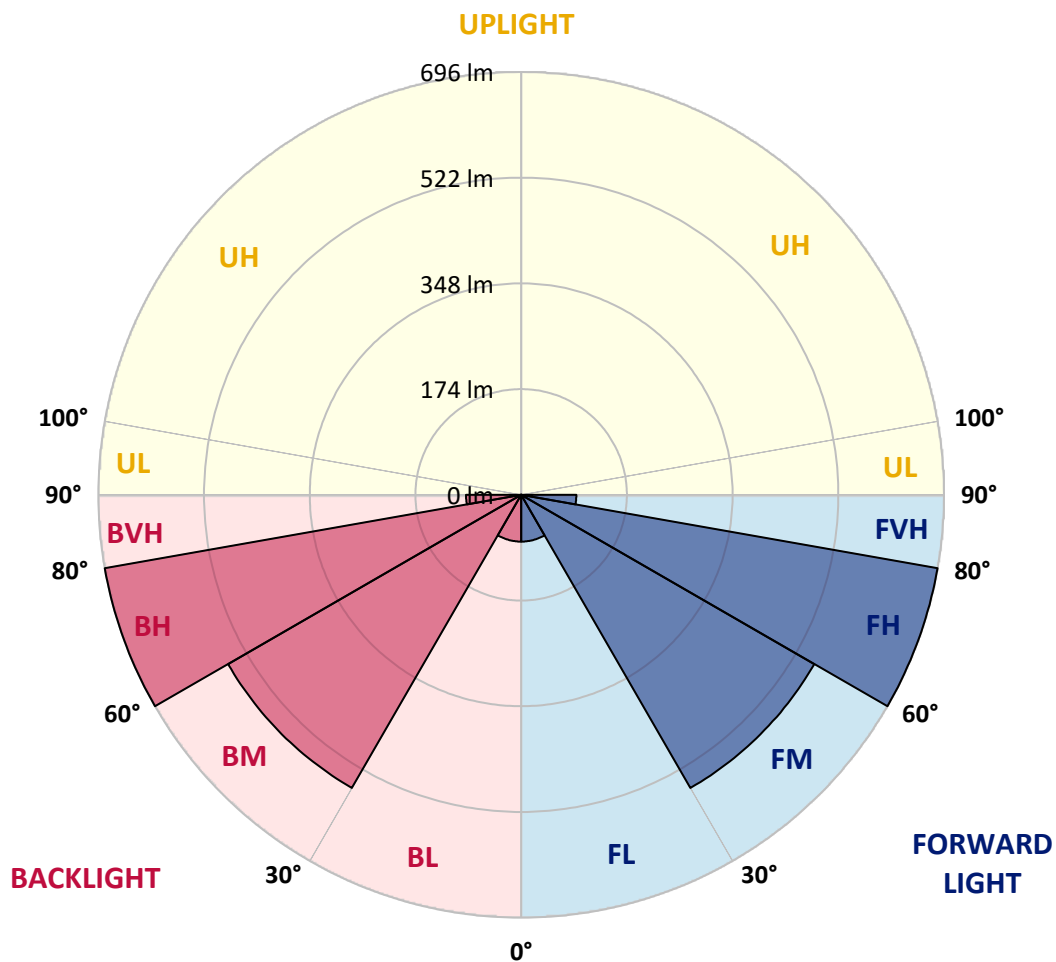
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.0	2.7			
FM	(30°-60°)	557.0	19.6			
FH	(60°-80°)	695.8	24.5			G1/1800
FVH	(80°-90°)	90.8	3.2			G1/100
BL	(0°-30°)	77.0	2.7	B0/110		
BM	(30°-60°)	557.0	19.6	B1/1000		
BH	(60°-80°)	695.8	24.5	B2/1000		G2/1000
BVH	(80°-90°)	90.8	3.2			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	133.5	133.5	133.5	133.5	133.5
2.5°	134.7	134.7	135.4	135.4	135.4
5°	137.2	137.2	137.9	137.9	137.2
7.5°	140.4	141.6	141.0	139.7	139.7
10°	145.4	146.0	144.8	144.1	143.5
12.5°	151.7	152.3	149.8	149.1	147.9
15°	160.4	159.8	157.3	154.8	154.8
17.5°	172.3	168.6	164.2	162.3	161.1
20°	186.1	181.1	175.5	171.1	170.5
22.5°	201.8	194.9	187.4	181.1	180.5
25°	216.8	211.2	201.8	193.6	191.1
27.5°	233.1	228.7	216.8	207.4	205.5
30°	251.9	248.2	234.4	225.6	225.0
32.5°	273.9	268.8	253.8	247.5	246.9
35°	300.2	290.8	277.6	273.2	280.7
37.5°	325.2	314.6	303.9	311.5	317.7
40°	347.2	340.3	335.3	350.9	359.7
42.5°	368.5	364.7	368.5	391.7	418.6
45°	391.0	392.3	406.1	469.4	517.6
47.5°	417.4	418.0	450.6	547.7	593.5
50°	446.2	445.6	503.2	606.6	679.9
52.5°	474.4	476.9	555.9	733.2	869.2
55°	499.5	513.2	627.3	860.4	950.6
57.5°	521.4	547.7	694.3	898.0	966.9
60°	545.2	589.1	741.3	905.5	966.3
62.5°	568.4	621.7	751.4	938.7	1028.4
65°	589.7	636.7	766.4	986.4	1066.6
67.5°	607.2	644.2	766.4	945.0	1003.3
70°	621.7	634.8	721.9	870.4	925.6
72.5°	618.5	596.0	648.6	778.9	810.9
75°	589.1	527.7	571.5	655.5	687.4
77.5°	515.1	441.8	465.6	528.3	549.0
80°	408.0	344.7	358.5	398.6	404.8
82.5°	287.6	247.5	252.5	283.3	287.6
85°	169.2	152.3	147.3	174.8	183.6
87.5°	50.1	43.9	43.2	52.6	58.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)