

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: P198037

Luminaire Tested: **TT-C1-LED-E1-RW-PM-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34696)
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-CG-MS/DIM-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2452.3 lumens
Efficiency: N/A
Efficacy: 87.6 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 (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

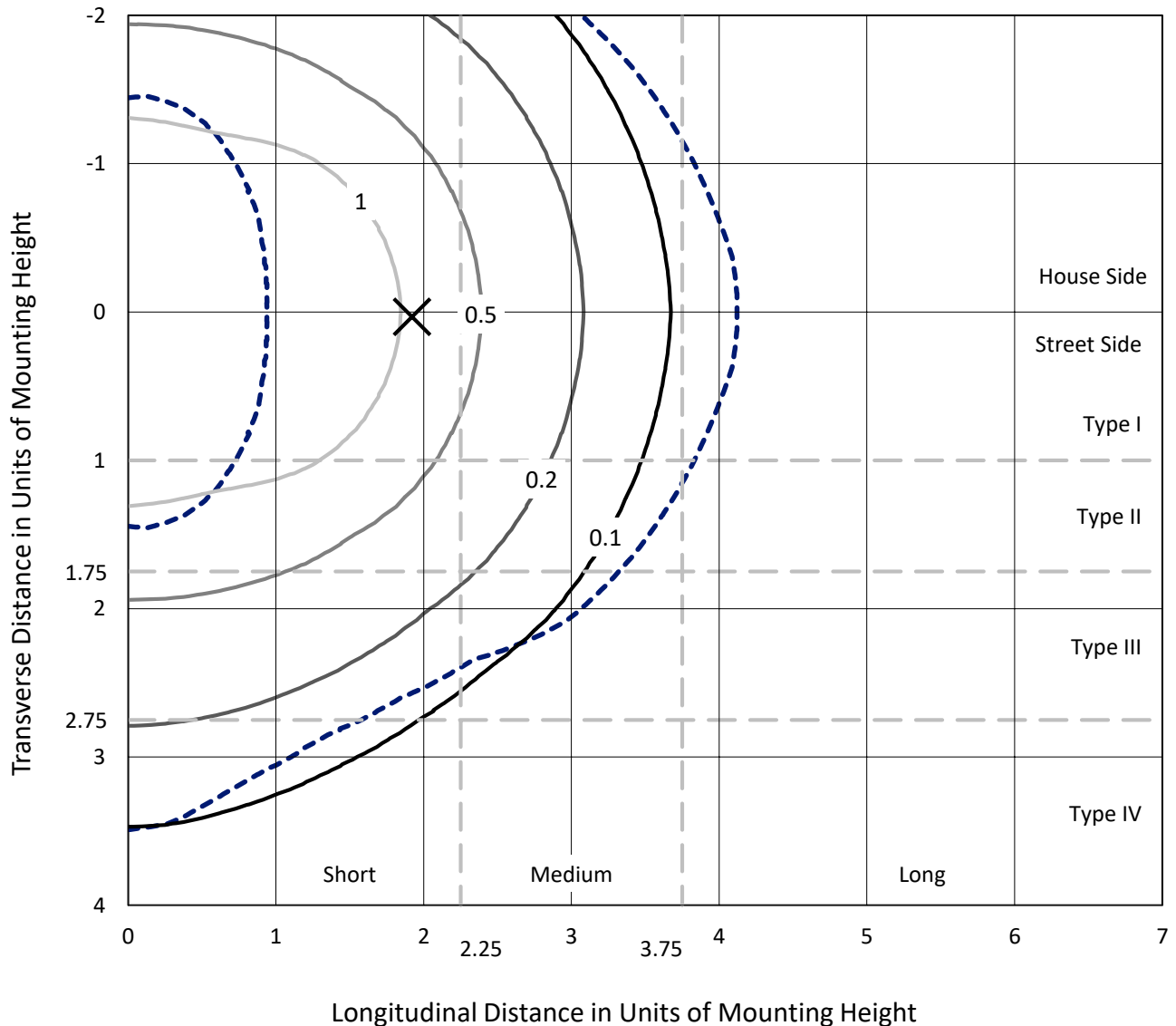


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

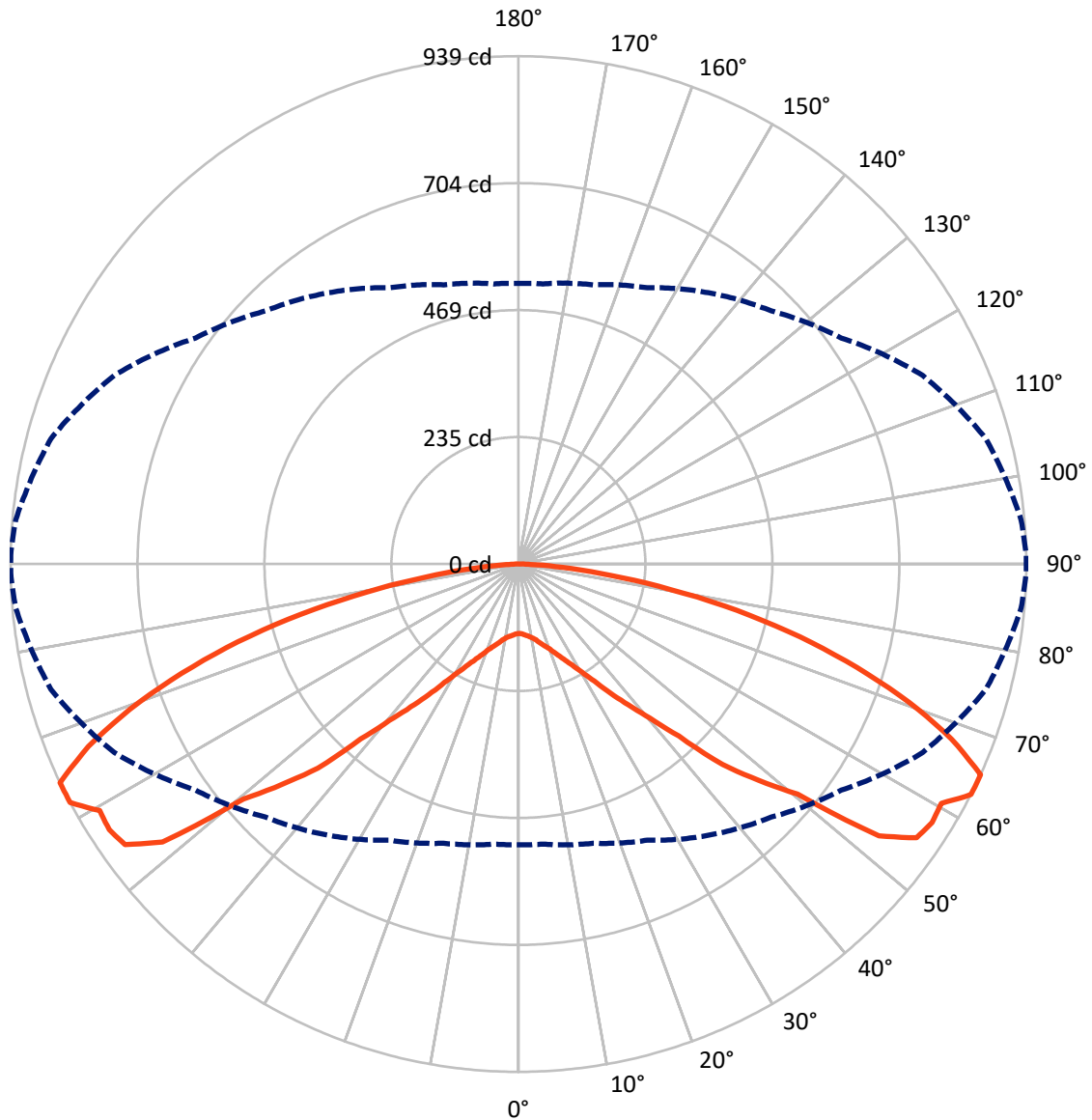


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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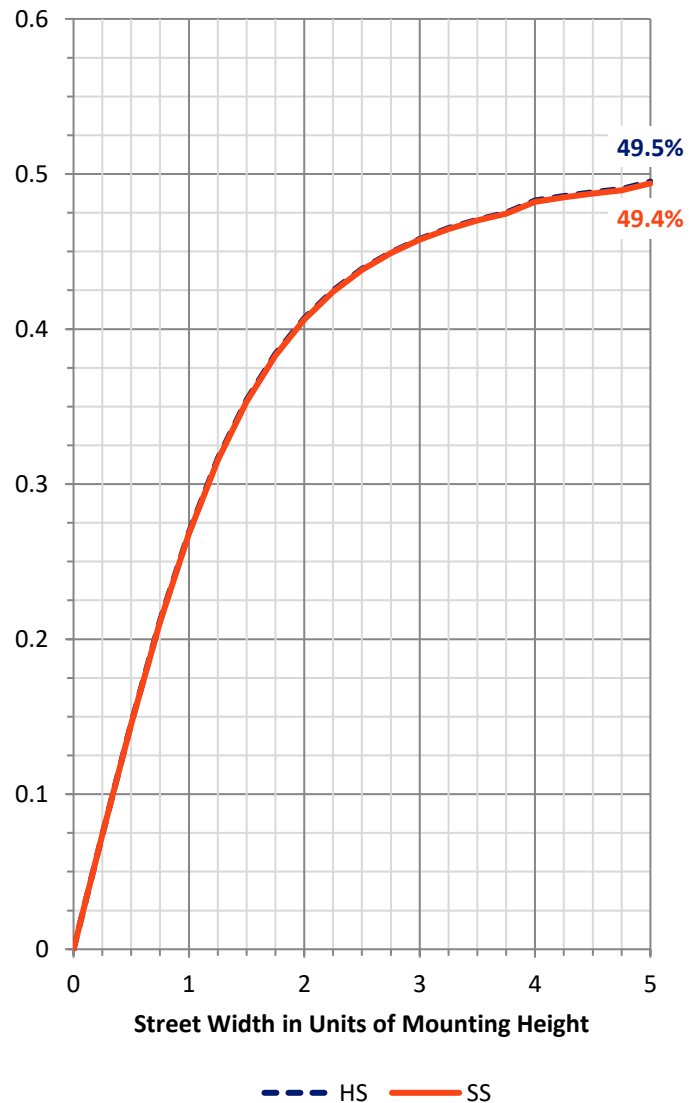
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1226.2	0.0	1226.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1226.2	0.0	1226.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2452.3	0.0	2452.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.5
10°-20°	43.6	1.8
20°-30°	92.8	3.8
30°-40°	178.4	7.3
40°-50°	330.2	13.5
50°-60°	557.9	22.7
60°-70°	673.8	27.5
70°-80°	463.9	18.9
80°-90°	99.0	4.0
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°	2452.3	100.0
0°-180°	2452.3	100.0



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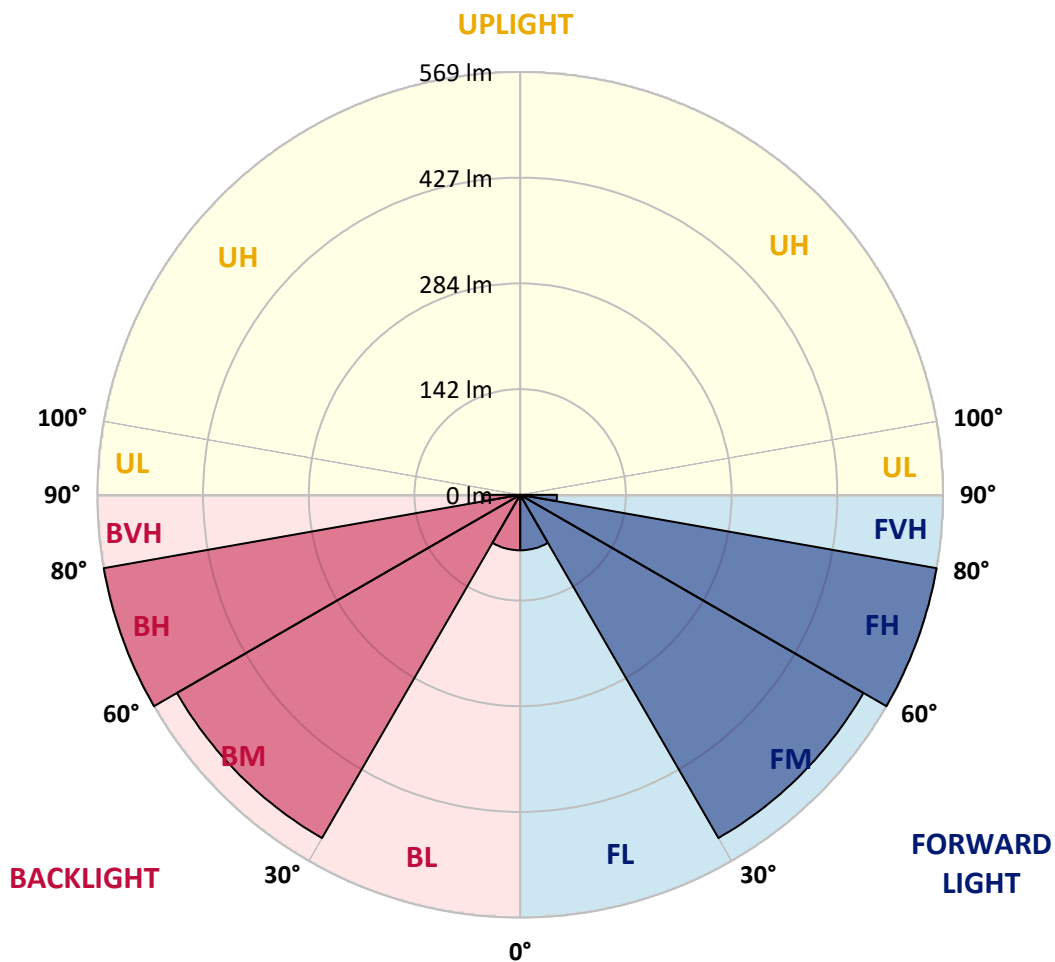
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.6	3.0			
FM	(30°-60°)	533.2	21.7			
FH	(60°-80°)	568.8	23.2			G0/660
FVH	(80°-90°)	49.5	2.0			G1/100
BL	(0°-30°)	74.6	3.0	B0/110		
BM	(30°-60°)	533.2	21.7	B1/1000		
BH	(60°-80°)	568.8	23.2	B2/1000		G2/1000
BVH	(80°-90°)	49.5	2.0			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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2.5°	129.3	129.3	129.3	129.3	129.8	129.8	129.8	129.8	129.8	129.8	129.3
5°	131.4	130.9	131.4	131.9	131.9	132.5	132.5	132.5	132.5	131.9	131.9
7.5°	134.1	134.1	134.6	135.2	135.7	135.2	135.2	134.6	134.6	134.6	134.6
10°	138.9	138.4	138.9	139.5	138.9	138.9	138.9	138.9	138.9	138.9	138.4
12.5°	144.3	144.3	144.3	144.3	143.7	144.3	143.7	144.3	144.3	144.3	143.7
15°	151.8	151.8	151.8	151.3	150.7	150.7	150.7	150.7	150.7	150.7	151.3
17.5°	162.0	161.4	160.9	159.8	159.3	158.8	158.8	158.8	159.3	159.3	159.3
20°	173.8	172.7	171.6	171.1	170.6	169.5	169.0	169.5	170.0	170.0	168.4
22.5°	188.3	186.7	185.0	184.5	182.4	181.8	181.3	180.8	180.8	181.3	180.8
25°	201.7	202.2	200.6	197.9	197.4	196.3	194.7	195.2	194.7	195.2	194.7
27.5°	218.3	219.4	217.8	215.1	213.5	211.9	210.8	210.8	211.3	212.9	211.3
30°	237.1	237.6	236.0	233.8	231.2	229.0	228.5	231.2	231.2	233.3	232.2
32.5°	256.9	256.4	254.2	253.7	250.5	250.5	251.0	253.2	256.9	258.5	258.0
35°	281.0	277.8	277.3	275.1	272.5	272.5	275.7	281.0	288.0	292.3	292.8
37.5°	303.0	302.0	301.4	298.2	296.6	299.8	306.3	315.9	321.8	330.4	330.4
40°	325.6	328.2	325.6	322.3	324.0	328.8	339.5	351.8	365.3	374.4	374.4
42.5°	347.6	352.4	349.7	347.0	351.3	362.6	376.0	396.9	423.7	435.5	435.0
45°	371.2	374.9	372.2	372.8	381.9	395.8	421.6	466.6	504.2	528.3	528.8
47.5°	396.9	397.4	395.8	398.5	411.9	438.7	473.6	528.8	565.9	594.8	597.0
50°	422.6	420.0	419.4	425.9	450.0	483.8	533.7	587.3	645.8	667.2	668.8
52.5°	445.7	442.5	444.6	455.4	487.0	528.8	591.1	682.2	767.0	830.3	834.6
55°	467.7	463.9	469.3	486.5	528.3	584.6	662.4	776.1	848.0	889.3	893.0
57.5°	486.5	485.4	494.0	515.4	566.9	635.6	720.9	813.6	866.7	897.9	901.6
60°	505.2	505.2	516.5	544.4	601.8	664.5	732.1	813.1	867.8	894.1	897.9
62.5°	518.7	519.7	534.2	563.2	612.0	661.3	728.4	824.4	894.6	932.7	938.6
65°	526.2	528.3	543.9	563.2	607.7	658.1	752.5	833.5	891.4	931.6	938.6
67.5°	527.2	531.5	539.0	553.5	591.1	634.0	713.9	779.9	828.1	858.7	863.5
70°	522.4	520.8	520.3	524.0	542.8	573.9	644.2	696.2	743.9	763.2	767.0
72.5°	498.3	497.7	479.0	467.2	472.0	493.4	555.7	595.9	627.0	651.7	654.3
75°	450.0	445.7	414.6	390.5	385.6	404.9	451.6	481.1	509.0	532.1	538.0
77.5°	375.4	364.7	333.1	304.6	295.5	310.0	344.9	365.3	385.6	412.5	412.5
80°	272.5	267.1	239.7	216.7	207.6	216.1	240.8	249.4	260.1	284.3	284.8
82.5°	175.9	170.0	151.8	137.3	129.3	134.6	144.8	148.6	157.7	172.2	171.6
85°	85.8	85.8	76.7	68.7	61.1	62.2	68.7	70.8	78.3	82.1	81.0
87.5°	21.5	23.6	20.9	19.3	17.2	17.2	19.3	19.3	23.6	23.6	22.5
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°	128.2
2.5°	129.3
5°	131.9
7.5°	134.6
10°	138.4
12.5°	144.3
15°	150.7
17.5°	159.8
20°	170.0
22.5°	180.8
25°	194.7
27.5°	212.9
30°	233.3
32.5°	257.4
35°	290.7
37.5°	330.4
40°	374.9
42.5°	435.5
45°	529.9
47.5°	594.8
50°	667.2
52.5°	831.9
55°	892.5
57.5°	902.1
60°	898.9
62.5°	938.6
65°	937.5
67.5°	862.5
70°	768.6
72.5°	658.6
75°	540.1
77.5°	409.8
80°	296.1
82.5°	172.7
85°	82.1
87.5°	24.7
90°	0.0

(END OF REPORT)