

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: P198039

Luminaire Tested: **TT-C1-LED-E1-RW-PM-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198039
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY
SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2714.5 lumens
Efficiency: N/A
Efficacy: 96.9 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

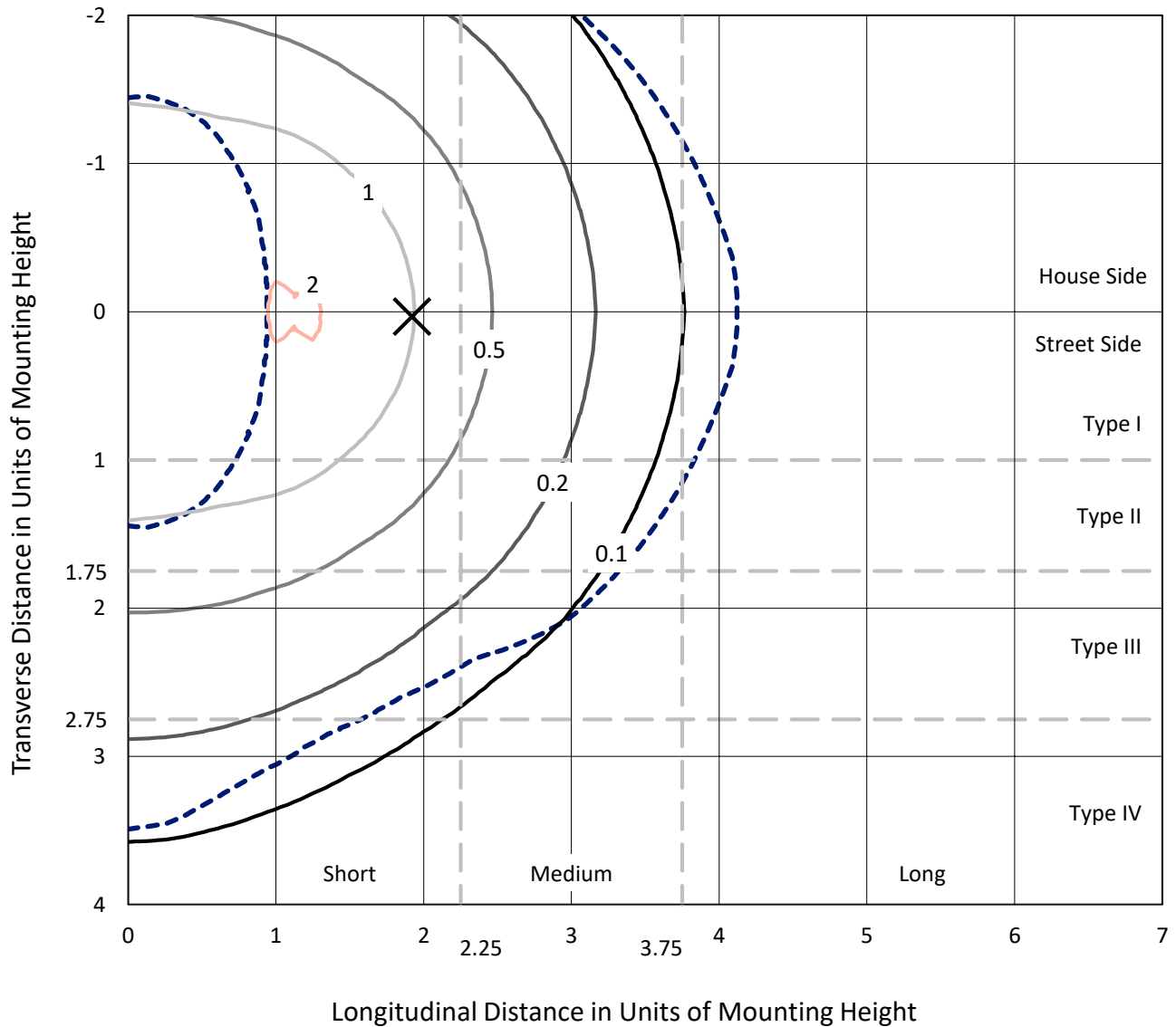


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Iso-Footcandle Lines of Horizontal Illumination

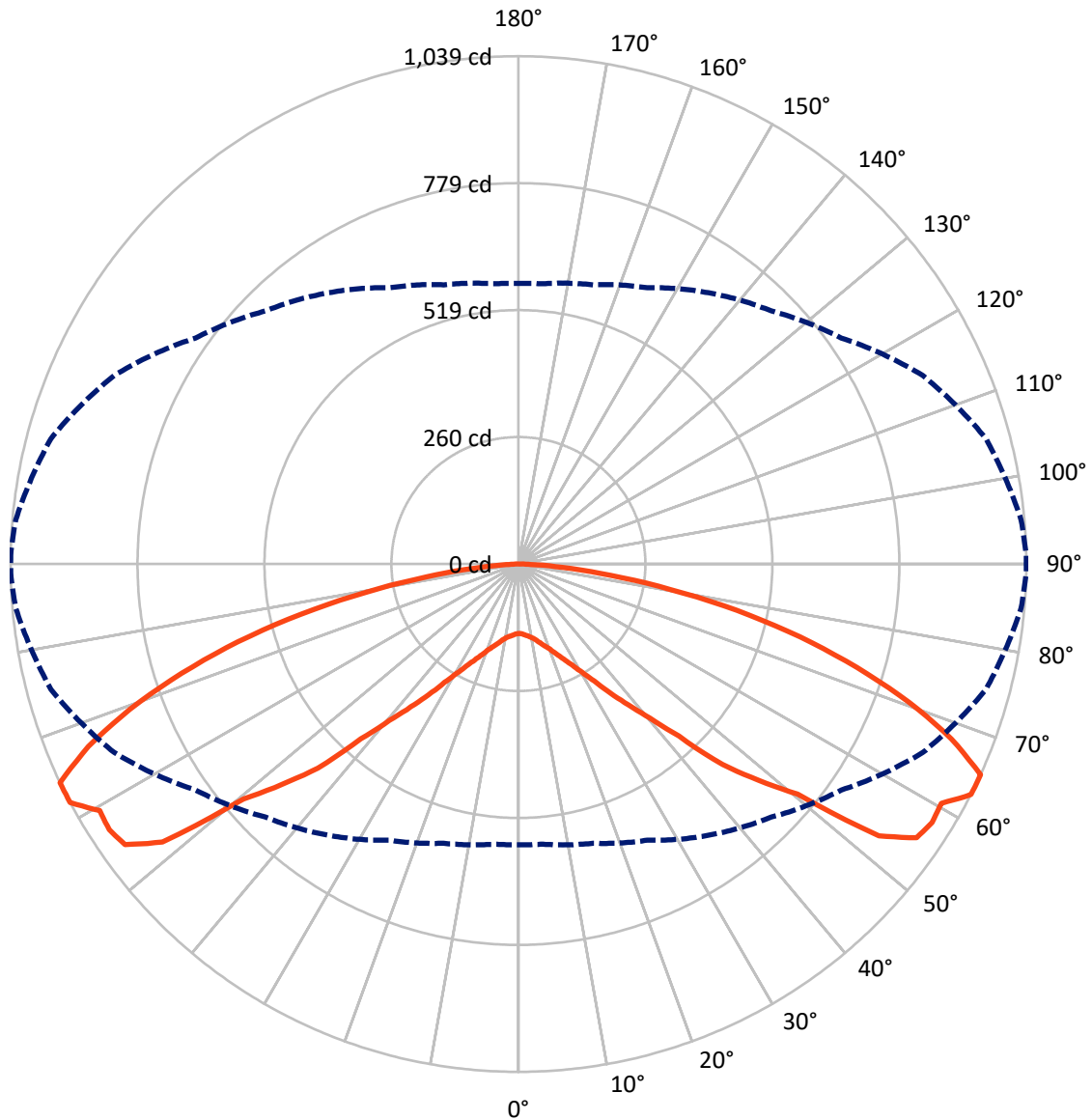
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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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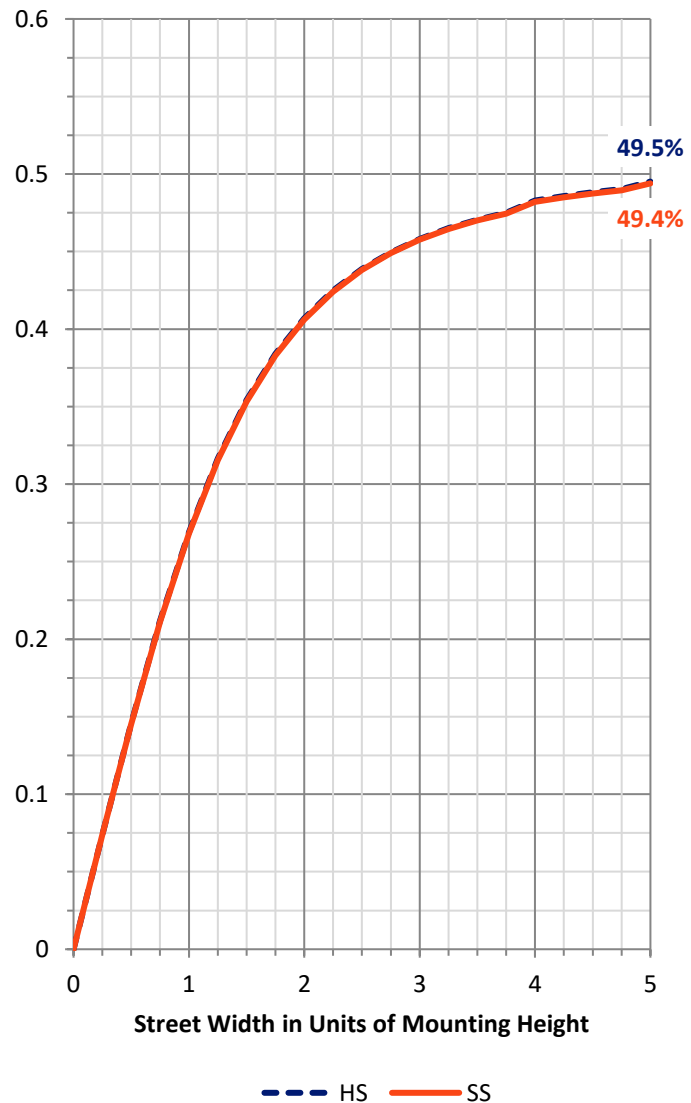
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1357.2	0.0	1357.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1357.2	0.0	1357.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2714.5	0.0	2714.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.2	0.5
10°-20°	48.3	1.8
20°-30°	102.7	3.8
30°-40°	197.4	7.3
40°-50°	365.5	13.5
50°-60°	617.5	22.7
60°-70°	745.8	27.5
70°-80°	513.5	18.9
80°-90°	109.6	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°	2714.5	100.0
0°-180°	2714.5	100.0



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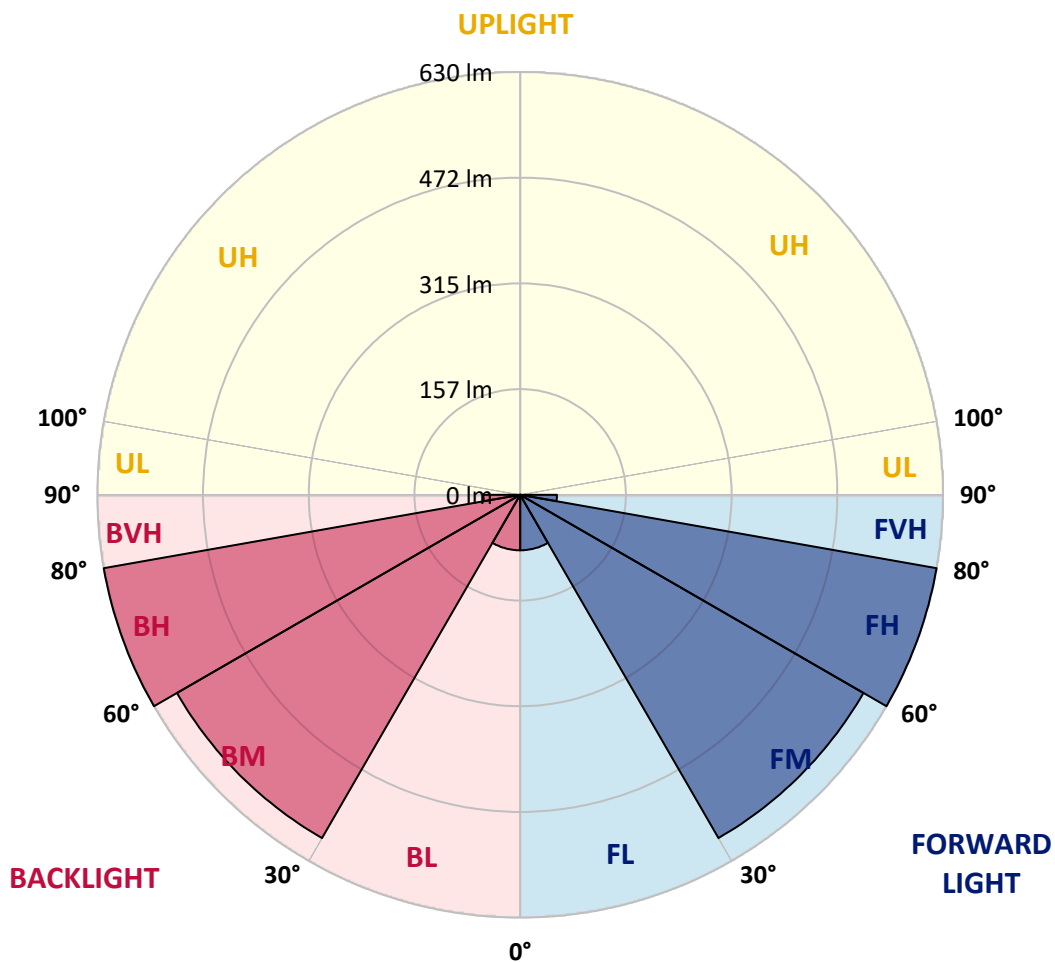
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.6	3.0			
FM	(30°-60°)	590.2	21.7			
FH	(60°-80°)	629.6	23.2			G0/660
FVH	(80°-90°)	54.8	2.0			G1/100
BL	(0°-30°)	82.6	3.0	B0/110		
BM	(30°-60°)	590.2	21.7	B1/1000		
BH	(60°-80°)	629.6	23.2	B2/1000		G2/1000
BVH	(80°-90°)	54.8	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°	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9
2.5°	143.1	143.1	143.1	143.1	143.7	143.7	143.7	143.7	143.7	143.7	143.1
5°	145.5	144.9	145.5	146.0	146.0	146.6	146.6	146.6	146.6	146.6	146.0
7.5°	148.4	148.4	149.0	149.6	150.2	149.6	149.6	149.0	149.0	149.0	149.0
10°	153.8	153.2	153.8	154.4	153.8	153.8	153.8	153.8	153.8	153.8	153.2
12.5°	159.7	159.7	159.7	159.7	159.1	159.7	159.1	159.7	159.7	159.7	159.1
15°	168.0	168.0	168.0	167.4	166.8	166.8	166.8	166.8	166.8	166.8	167.4
17.5°	179.3	178.7	178.1	176.9	176.3	175.7	175.7	175.7	176.3	176.3	176.3
20°	192.4	191.2	190.0	189.4	188.8	187.6	187.0	187.6	188.2	188.2	186.4
22.5°	208.4	206.6	204.8	204.2	201.9	201.3	200.7	200.1	200.1	200.7	200.1
25°	223.2	223.8	222.0	219.1	218.5	217.3	215.5	216.1	215.5	216.1	215.5
27.5°	241.6	242.8	241.0	238.1	236.3	234.5	233.3	233.3	233.9	235.7	233.9
30°	262.4	263.0	261.2	258.8	255.9	253.5	252.9	255.9	255.9	258.2	257.1
32.5°	284.4	283.8	281.4	280.8	277.2	277.2	277.8	280.2	284.4	286.2	285.6
35°	311.1	307.5	306.9	304.6	301.6	301.6	305.1	311.1	318.8	323.6	324.1
37.5°	335.4	334.2	333.6	330.1	328.3	331.9	339.0	349.7	356.2	365.7	365.7
40°	360.4	363.3	360.4	356.8	358.6	363.9	375.8	389.5	404.3	414.4	414.4
42.5°	384.7	390.0	387.1	384.1	388.9	401.3	416.2	439.3	469.0	482.1	481.5
45°	410.8	415.0	412.0	412.6	422.7	438.1	466.6	516.5	558.1	584.8	585.4
47.5°	439.3	439.9	438.1	441.1	455.9	485.6	524.2	585.4	626.3	658.4	660.8
50°	467.8	464.8	464.3	471.4	498.1	535.5	590.7	650.1	714.8	738.5	740.3
52.5°	493.3	489.8	492.2	504.0	539.1	585.4	654.2	755.2	849.0	919.0	923.8
55°	517.7	513.5	519.5	538.5	584.8	647.1	733.2	859.1	938.6	984.3	988.5
57.5°	538.5	537.3	546.8	570.5	627.5	703.5	797.9	900.6	959.4	993.8	998.0
60°	559.2	559.2	571.7	602.6	666.1	735.6	810.4	900.0	960.6	989.7	993.8
62.5°	574.1	575.3	591.3	623.4	677.4	732.0	806.2	912.5	990.3	1032.4	1038.9
65°	582.4	584.8	602.0	623.4	672.6	728.4	832.9	922.6	986.7	1031.2	1038.9
67.5°	583.6	588.3	596.6	612.7	654.2	701.7	790.2	863.2	916.6	950.5	955.8
70°	578.2	576.5	575.9	580.0	600.8	635.2	713.0	770.6	823.4	844.8	849.0
72.5°	551.5	550.9	530.2	517.1	522.4	546.2	615.0	659.6	694.0	721.3	724.3
75°	498.1	493.3	458.9	432.2	426.9	448.2	499.9	532.5	563.4	588.9	595.5
77.5°	415.6	403.7	368.7	337.2	327.1	343.1	381.7	404.3	426.9	456.5	456.5
80°	301.6	295.7	265.4	239.8	229.8	239.3	266.6	276.1	287.9	314.6	315.2
82.5°	194.7	188.2	168.0	152.0	143.1	149.0	160.3	164.4	174.5	190.6	190.0
85°	95.0	95.0	84.9	76.0	67.7	68.9	76.0	78.4	86.7	90.8	89.6
87.5°	23.7	26.1	23.2	21.4	19.0	19.0	21.4	21.4	26.1	26.1	24.9
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°	141.9
2.5°	143.1
5°	146.0
7.5°	149.0
10°	153.2
12.5°	159.7
15°	166.8
17.5°	176.9
20°	188.2
22.5°	200.1
25°	215.5
27.5°	235.7
30°	258.2
32.5°	285.0
35°	321.8
37.5°	365.7
40°	415.0
42.5°	482.1
45°	586.6
47.5°	658.4
50°	738.5
52.5°	920.8
55°	987.9
57.5°	998.6
60°	995.0
62.5°	1038.9
65°	1037.7
67.5°	954.6
70°	850.7
72.5°	729.0
75°	597.8
77.5°	453.6
80°	327.7
82.5°	191.2
85°	90.8
87.5°	27.3
90°	0.0

(END OF REPORT)