

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: P533300

Luminaire Tested: **GALN-SA8D-727-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8D-727-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45776 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

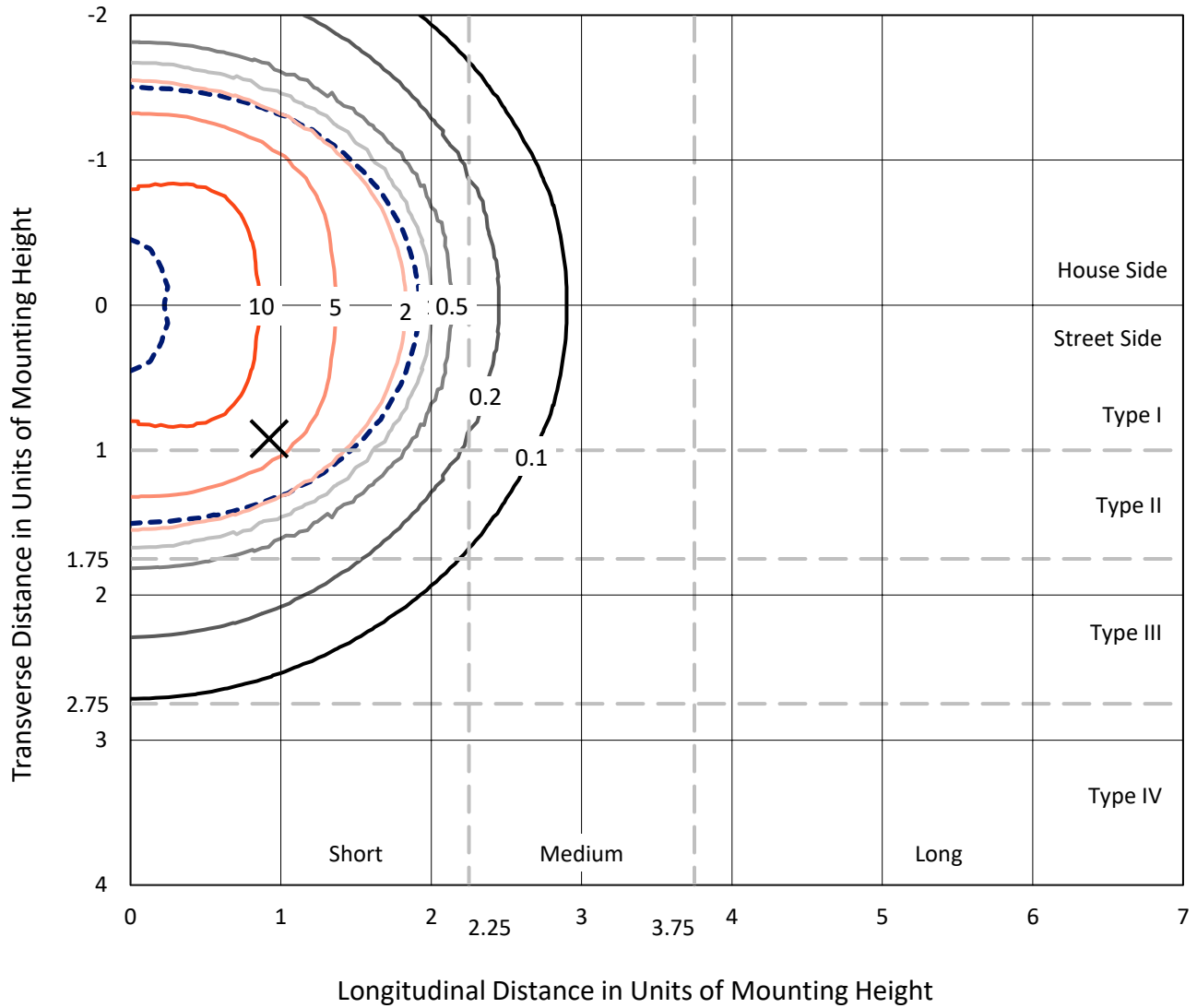
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

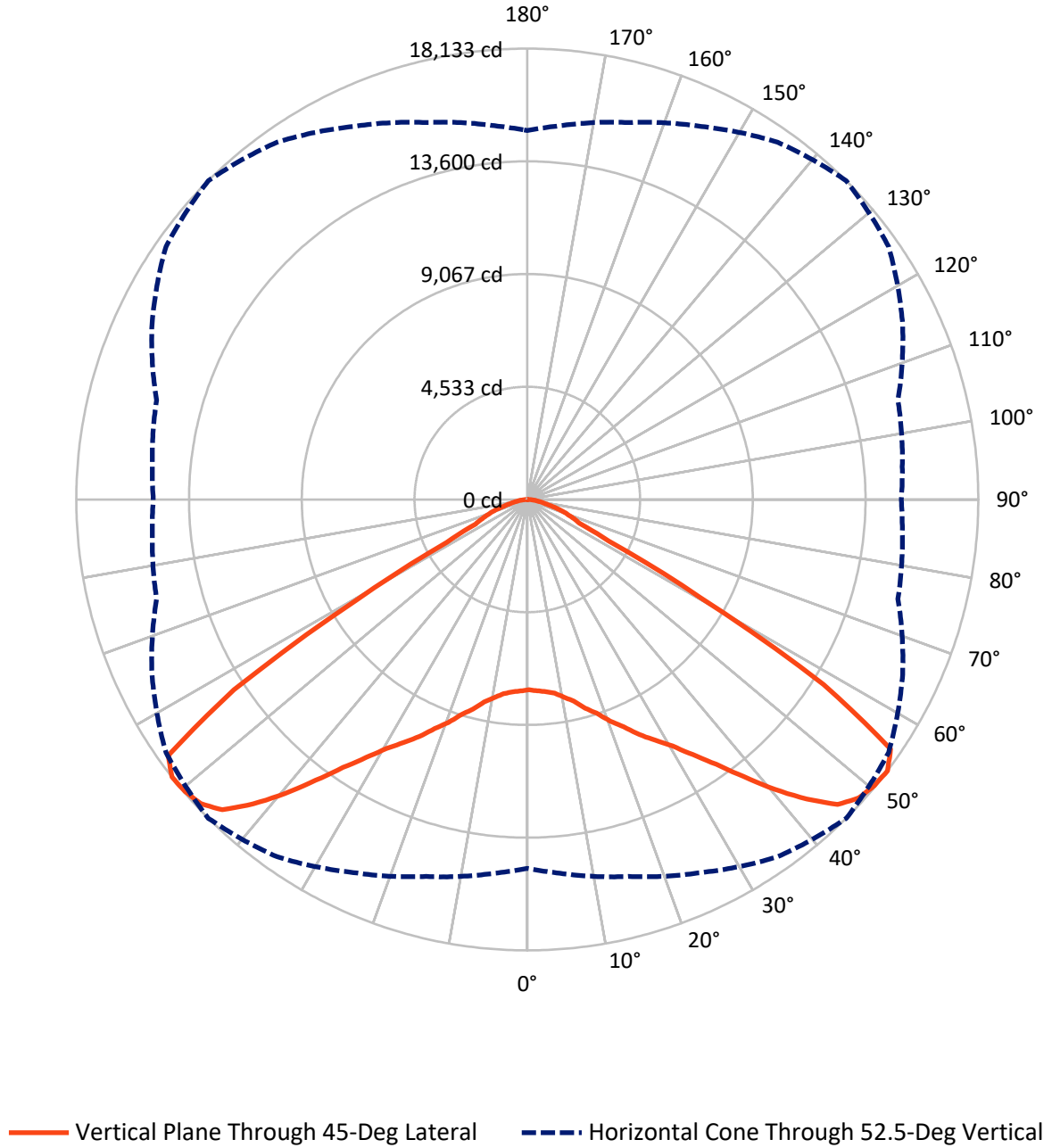
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22888.0	0.0	22888.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22888.0	0.0	22888.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	45776.0	0.0	45776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.8	1.6
10°-20°	2470.3	5.4
20°-30°	4703.2	10.3
30°-40°	8075.7	17.6
40°-50°	12412.6	27.1
50°-60°	12604.7	27.5
60°-70°	3512.8	7.7
70°-80°	1036.2	2.3
80°-90°	208.7	0.5
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°	45776.0	100.0
0°-180°	45776.0	100.0

Coefficient of Utilization

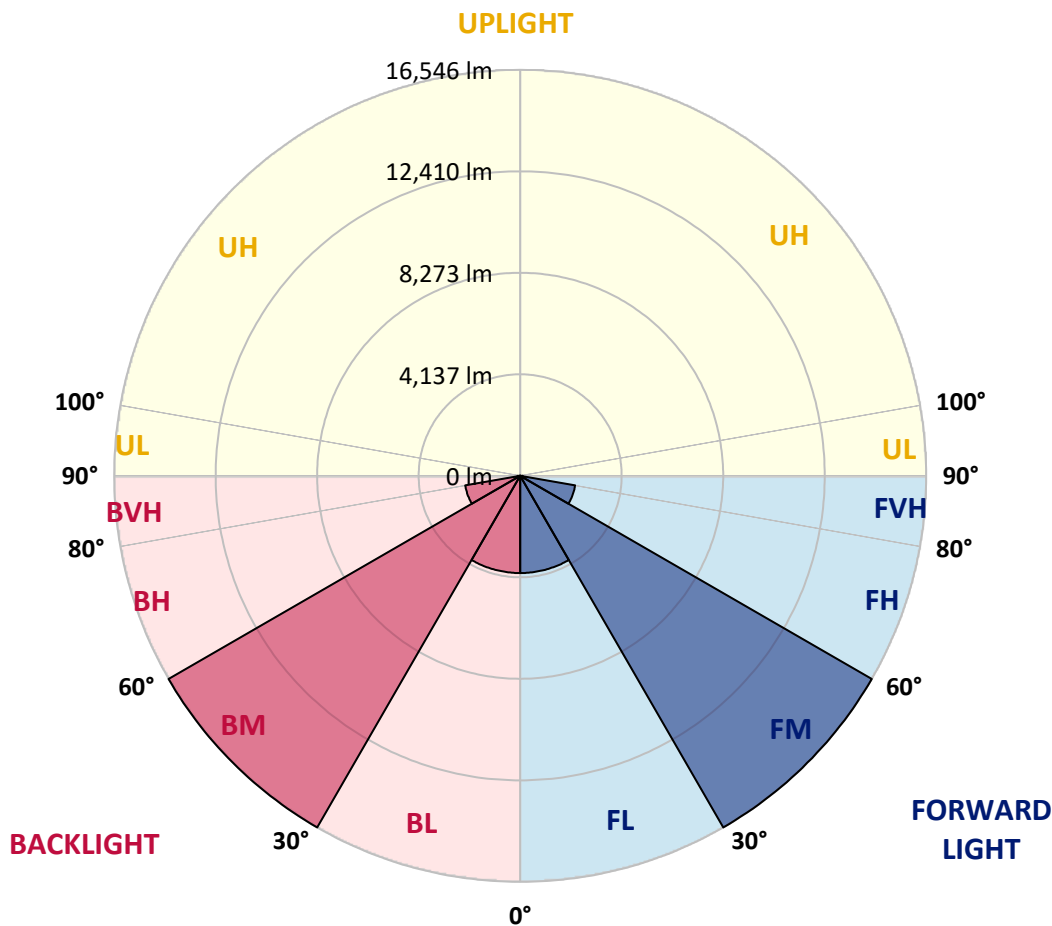


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3962.7	8.7			
FM (30°-60°)	16546.5	36.1			
FH (60°-80°)	2274.5	5.0			G2/5000
FVH (80°-90°)	104.4	0.2			G2/225
BL (0°-30°)	3962.7	8.7	B4/5000		
BM (30°-60°)	16546.5	36.1	B5		
BH (60°-80°)	2274.5	5.0	B3/2500		G2/5000
BVH (80°-90°)	104.4	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7652.1	7652.1	7652.1	7652.1	7652.1	7652.1	7652.1	7652.1	7652.1	7652.1	7652.1
2.5°	7669.1	7589.6	7618.0	7635.0	7708.9	7703.2	7686.1	7708.9	7731.6	7737.3	7725.9
5°	7663.4	7606.6	7629.3	7646.4	7720.2	7760.0	7748.6	7845.2	7913.4	7896.3	7981.5
7.5°	7618.0	7652.1	7623.7	7708.9	7771.4	7867.9	7970.2	8061.1	8146.3	8242.9	8259.9
10°	7720.2	7720.2	7771.4	7839.5	8004.3	8078.1	8225.8	8356.5	8521.2	8634.8	8589.4
12.5°	7828.2	7845.2	7845.2	8021.3	8157.7	8322.4	8458.7	8634.8	8867.8	9004.1	9072.3
15°	7936.1	7947.5	8004.3	8242.9	8447.4	8708.7	8833.7	8992.7	9123.4	9379.0	9384.7
17.5°	8032.7	8095.2	8265.6	8532.6	8788.2	9038.2	9237.0	9401.8	9515.4	9617.6	9594.9
20°	8396.2	8441.7	8617.8	8884.8	9265.4	9509.7	9577.9	9606.3	9680.1	9884.6	9822.1
22.5°	8748.5	8765.5	8930.2	9339.3	9606.3	9930.1	10003.9	9986.9	10015.3	10066.4	10157.3
25°	9112.0	9140.4	9367.7	9714.2	10089.1	10475.4	10537.9	10407.3	10367.5	10424.3	10430.0
27.5°	9577.9	9583.5	9873.3	10174.3	10600.4	10964.0	11060.6	10958.3	10770.8	10816.3	10890.1
30°	10168.7	10128.9	10418.6	10850.4	11299.1	11503.7	11668.4	11617.3	11412.8	11373.0	11310.5
32.5°	10850.4	10861.7	11123.0	11594.5	11890.0	12230.8	12406.9	12321.7	12191.0	12122.9	12162.6
35°	11810.4	11861.5	12037.7	12429.6	12906.8	13077.2	13355.6	13173.8	12833.0	12918.2	12992.0
37.5°	12600.1	12747.8	13077.2	13543.1	13827.1	14139.6	14241.8	13997.5	13747.6	13645.3	13889.6
40°	13810.1	13764.6	14128.2	14594.0	15014.4	15326.8	15196.2	14951.9	14332.7	14338.4	14406.6
42.5°	14849.7	14872.4	15150.7	15707.5	16281.2	16474.4	16059.7	15463.2	14775.8	14702.0	14849.7
45°	15724.5	15815.4	15974.5	16718.6	17281.0	17491.2	16724.3	16019.9	15099.6	14792.8	15037.1
47.5°	16036.9	16184.7	16531.2	17212.9	17769.6	17940.0	17326.5	16315.3	15400.7	14900.8	15031.4
50°	16082.4	16031.3	16599.3	17224.2	17712.8	18082.0	17542.4	16531.2	15326.8	15065.5	15025.8
52.5°	14838.3	15088.3	15696.1	16553.9	17542.4	18133.2	17735.5	16650.5	15429.1	15133.7	15037.1
55°	12009.2	11713.8	12821.6	14264.5	16082.4	17724.2	17667.3	16713.0	15491.6	15247.3	15116.7
57.5°	6703.4	6788.6	7413.5	8981.4	11327.6	14054.3	15707.5	16054.0	15463.2	15321.2	15389.3
60°	3101.7	3130.1	3397.1	4130.0	5584.2	7970.2	10145.9	12355.8	13372.6	13577.2	13577.2
62.5°	2312.1	2300.7	2368.9	2499.6	2806.3	3664.1	4891.2	6646.6	8044.0	9021.1	9276.8
65°	2090.5	2084.9	2118.9	2164.4	2187.1	2306.4	2579.1	3118.8	3573.2	3834.6	3789.1
67.5°	1829.2	1823.5	1834.9	1863.3	1903.1	1965.6	2033.7	2147.3	2306.4	2295.1	2266.6
70°	1477.0	1477.0	1494.1	1516.8	1562.2	1636.1	1715.6	1795.1	1931.5	1959.9	1954.2
72.5°	1090.7	1073.7	1107.8	1153.2	1198.7	1289.5	1374.8	1448.6	1545.2	1573.6	1562.2
75°	693.1	704.4	727.1	778.3	857.8	920.3	1011.2	1073.7	1136.2	1158.9	1164.6
77.5°	386.3	397.7	437.4	499.9	579.4	647.6	727.1	778.3	818.0	823.7	829.4
80°	232.9	238.6	278.4	335.2	403.3	477.2	539.7	590.8	624.9	607.8	602.2
82.5°	142.0	147.7	181.8	232.9	289.7	346.5	414.7	460.1	494.2	471.5	448.8
85°	73.9	79.5	107.9	142.0	187.5	215.9	215.9	193.1	187.5	176.1	170.4
87.5°	22.7	22.7	28.4	34.1	28.4	34.1	39.8	45.4	45.4	51.1	45.4
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)