

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: P532858

Luminaire Tested: **GALN-SA8B-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532858
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-SA8B-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA 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: 36667 lumens
Efficiency: N/A
Efficacy: 112.8 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

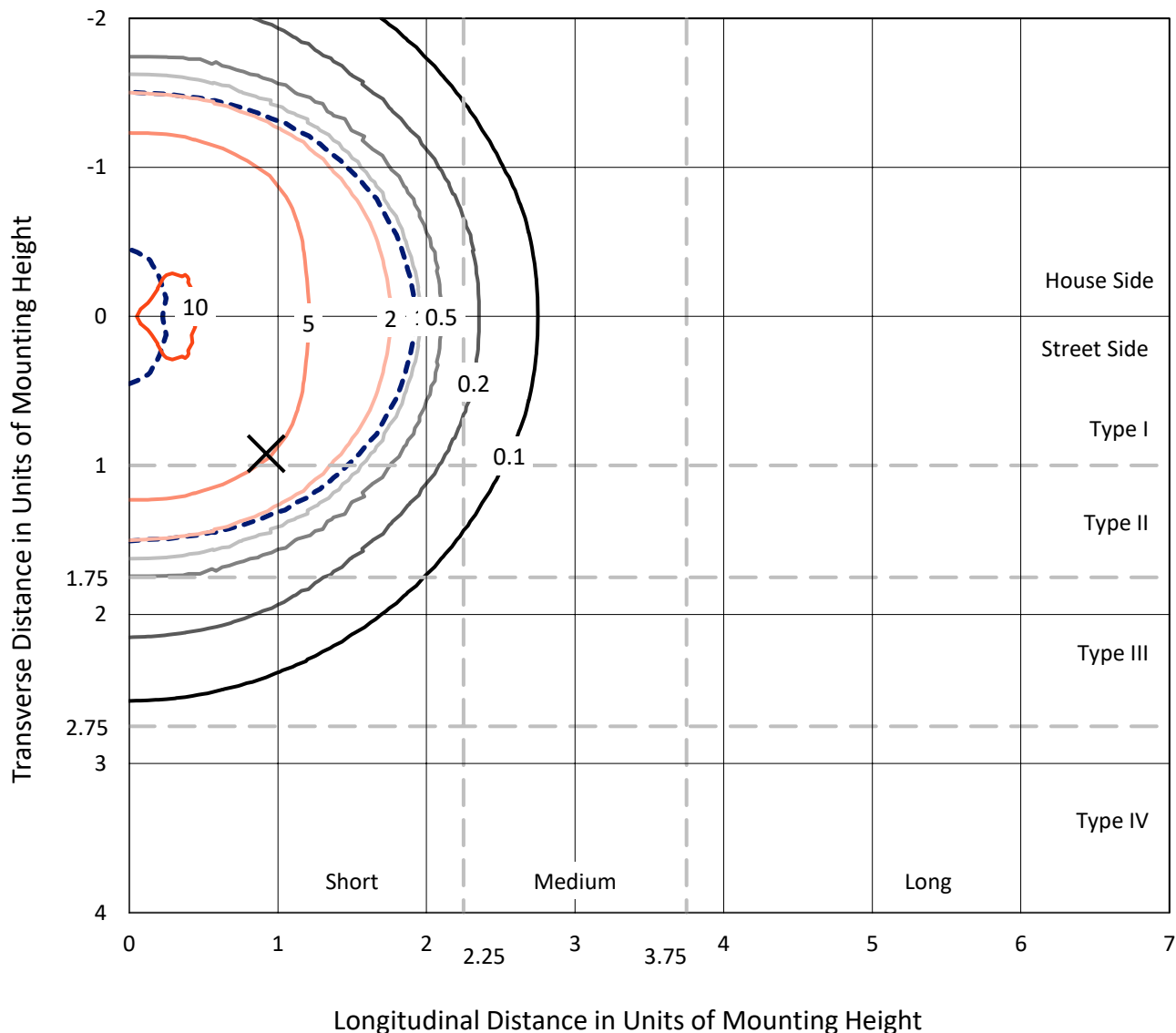
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

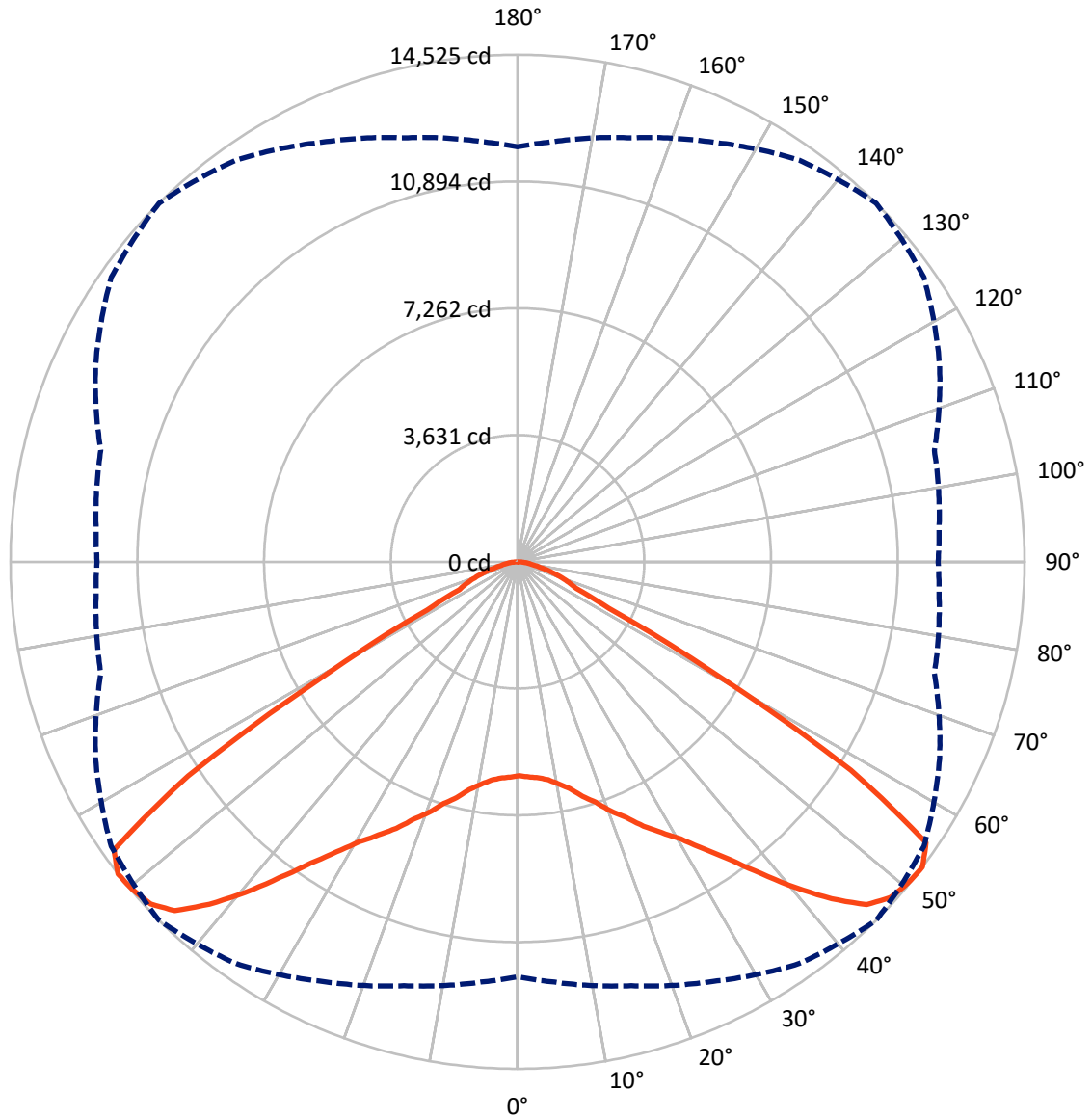
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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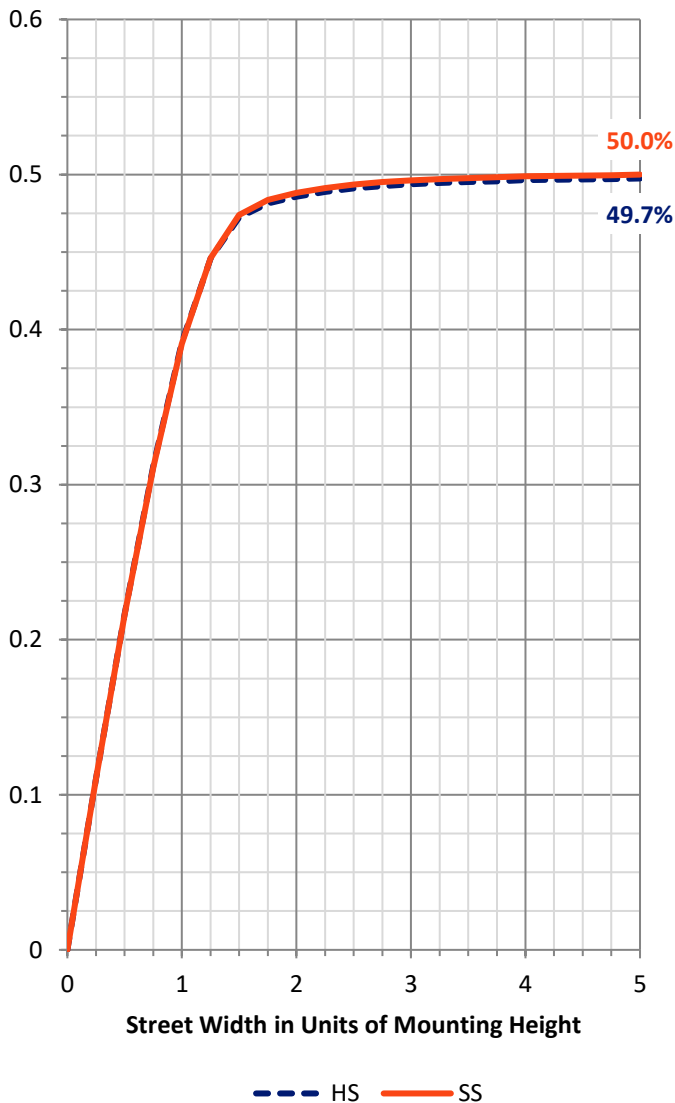
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18333.5	0.0	18333.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18333.5	0.0	18333.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36667.0	0.0	36667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.2	1.6
10°-20°	1978.8	5.4
20°-30°	3767.3	10.3
30°-40°	6468.7	17.6
40°-50°	9942.6	27.1
50°-60°	10096.5	27.5
60°-70°	2813.8	7.7
70°-80°	830.0	2.3
80°-90°	167.2	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°	36667.0	100.0
0°-180°	36667.0	100.0

Coefficient of Utilization



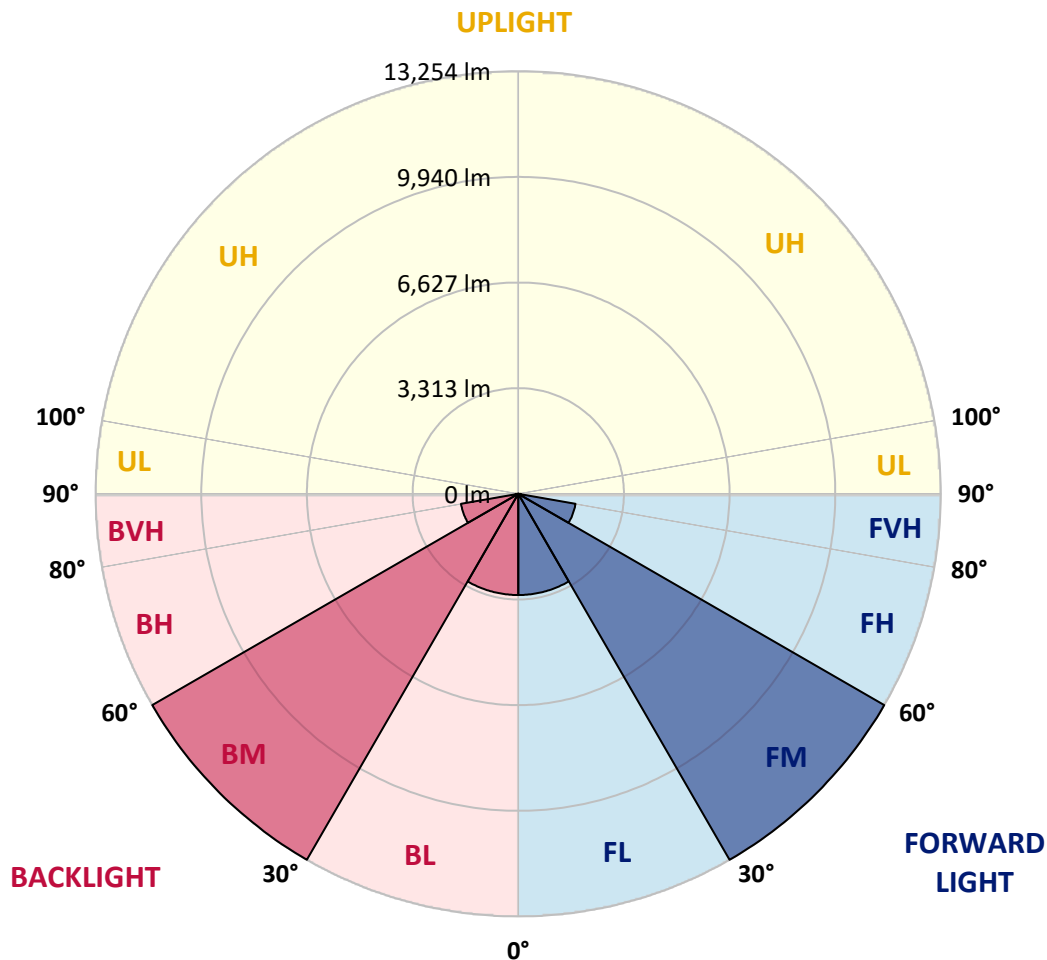
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3174.1	8.7			
FM (30°-60°)	13253.9	36.1			
FH (60°-80°)	1821.9	5.0			G2/5000
FVH (80°-90°)	83.6	0.2			G1/100
BL (0°-30°)	3174.1	8.7	B4/5000		
BM (30°-60°)	13253.9	36.1	B5		
BH (60°-80°)	1821.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	83.6	0.2			G1/100
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°	6129.4	6129.4	6129.4	6129.4	6129.4	6129.4	6129.4	6129.4	6129.4	6129.4	6129.4
2.5°	6143.0	6079.3	6102.1	6115.7	6174.9	6170.3	6156.7	6174.9	6193.1	6197.6	6188.5
5°	6138.5	6093.0	6111.2	6124.8	6184.0	6215.8	6206.7	6284.1	6338.7	6325.0	6393.3
7.5°	6102.1	6129.4	6106.6	6174.9	6224.9	6302.3	6384.2	6457.0	6525.3	6602.6	6616.3
10°	6184.0	6184.0	6224.9	6279.5	6411.5	6470.7	6589.0	6693.6	6825.6	6916.6	6880.2
12.5°	6270.4	6284.1	6284.1	6425.1	6534.4	6666.3	6775.5	6916.6	7103.2	7212.4	7267.0
15°	6356.9	6366.0	6411.5	6602.6	6766.4	6975.7	7075.9	7203.3	7307.9	7512.7	7517.2
17.5°	6434.2	6484.3	6620.8	6834.7	7039.4	7239.7	7398.9	7530.9	7621.9	7703.8	7685.6
20°	6725.5	6761.9	6902.9	7116.8	7421.7	7617.3	7672.0	7694.7	7753.9	7917.7	7867.6
22.5°	7007.6	7021.2	7153.2	7480.8	7694.7	7954.1	8013.2	7999.6	8022.3	8063.3	8136.1
25°	7298.8	7321.6	7503.6	7781.2	8081.5	8390.9	8441.0	8336.3	8304.5	8350.0	8354.5
27.5°	7672.0	7676.5	7908.6	8149.7	8491.0	8782.2	8859.6	8777.7	8627.5	8663.9	8723.1
30°	8145.2	8113.3	8345.4	8691.2	9050.7	9214.5	9346.5	9305.5	9141.7	9109.9	9059.8
32.5°	8691.2	8700.3	8909.7	9287.3	9524.0	9797.0	9938.0	9869.8	9765.1	9710.5	9742.4
35°	9460.3	9501.2	9642.3	9956.2	10338.5	10475.0	10698.0	10552.3	10279.3	10347.6	10406.7
37.5°	10092.8	10211.1	10475.0	10848.1	11075.6	11325.9	11407.8	11212.2	11011.9	10930.0	11125.7
40°	11062.0	11025.6	11316.8	11689.9	12026.7	12276.9	12172.3	11976.6	11480.6	11485.2	11539.8
42.5°	11894.7	11912.9	12135.9	12581.8	13041.4	13196.1	12863.9	12386.2	11835.6	11776.4	11894.7
45°	12595.5	12668.3	12795.7	13391.8	13842.3	14010.6	13396.3	12832.1	12094.9	11849.2	12044.9
47.5°	12845.7	12964.1	13241.6	13787.7	14233.6	14370.1	13878.7	13068.7	12336.1	11935.7	12040.3
50°	12882.1	12841.2	13296.2	13796.8	14188.1	14483.9	14051.6	13241.6	12276.9	12067.6	12035.8
52.5°	11885.6	12085.8	12572.7	13259.8	14051.6	14524.8	14206.3	13337.2	12358.9	12122.2	12044.9
55°	9619.5	9382.9	10270.2	11426.0	12882.1	14197.2	14151.7	13387.2	12408.9	12213.2	12108.6
57.5°	5369.5	5437.7	5938.3	7194.2	9073.5	11257.7	12581.8	12859.4	12386.2	12272.4	12327.0
60°	2484.5	2507.3	2721.1	3308.1	4473.0	6384.2	8127.0	9897.1	10711.6	10875.4	10875.4
62.5°	1852.0	1842.9	1897.5	2002.2	2247.9	2935.0	3917.9	5324.0	6443.3	7226.0	7430.8
65°	1674.5	1670.0	1697.3	1733.7	1751.9	1847.5	2065.9	2498.2	2862.2	3071.5	3035.1
67.5°	1465.2	1460.7	1469.8	1492.5	1524.4	1574.4	1629.0	1720.0	1847.5	1838.4	1815.6
70°	1183.1	1183.1	1196.8	1215.0	1251.4	1310.5	1374.2	1437.9	1547.1	1569.9	1565.3
72.5°	873.7	860.0	887.3	923.7	960.1	1032.9	1101.2	1160.3	1237.7	1260.5	1251.4
75°	555.1	564.2	582.4	623.4	687.1	737.2	810.0	860.0	910.1	928.3	932.8
77.5°	309.4	318.5	350.4	400.4	464.1	518.7	582.4	623.4	655.3	659.8	664.4
80°	186.6	191.1	223.0	268.5	323.1	382.2	432.3	473.2	500.5	486.9	482.3
82.5°	113.8	118.3	145.6	186.6	232.1	277.6	332.2	368.6	395.9	377.7	359.5
85°	59.2	63.7	86.5	113.8	150.2	172.9	172.9	154.7	150.2	141.1	136.5
87.5°	18.2	18.2	22.8	27.3	22.8	27.3	31.9	36.4	36.4	41.0	36.4
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)