

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: P531506

Luminaire Tested: **GALN-SA6D-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531506
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-SA6D-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 40196 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

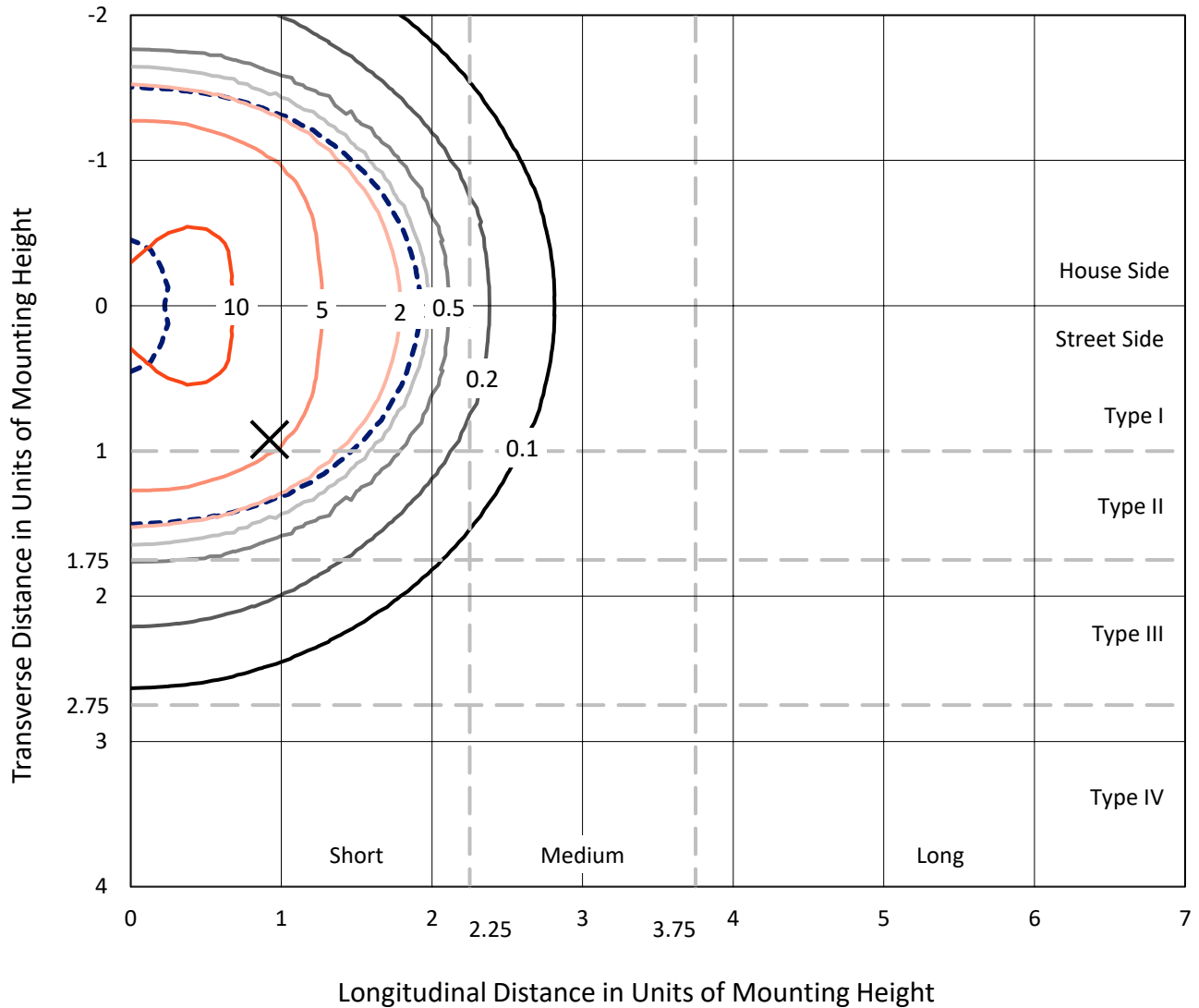
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

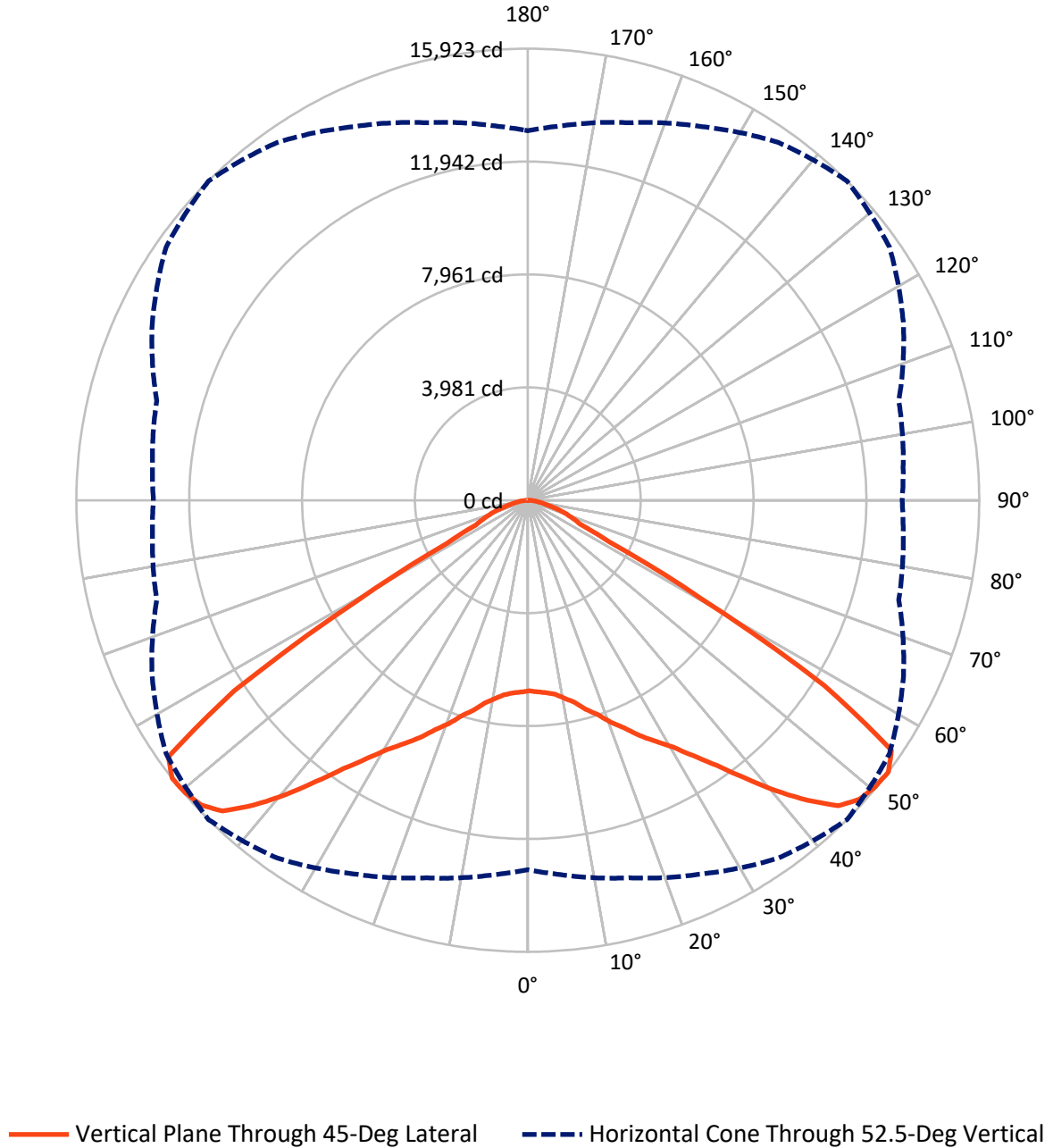
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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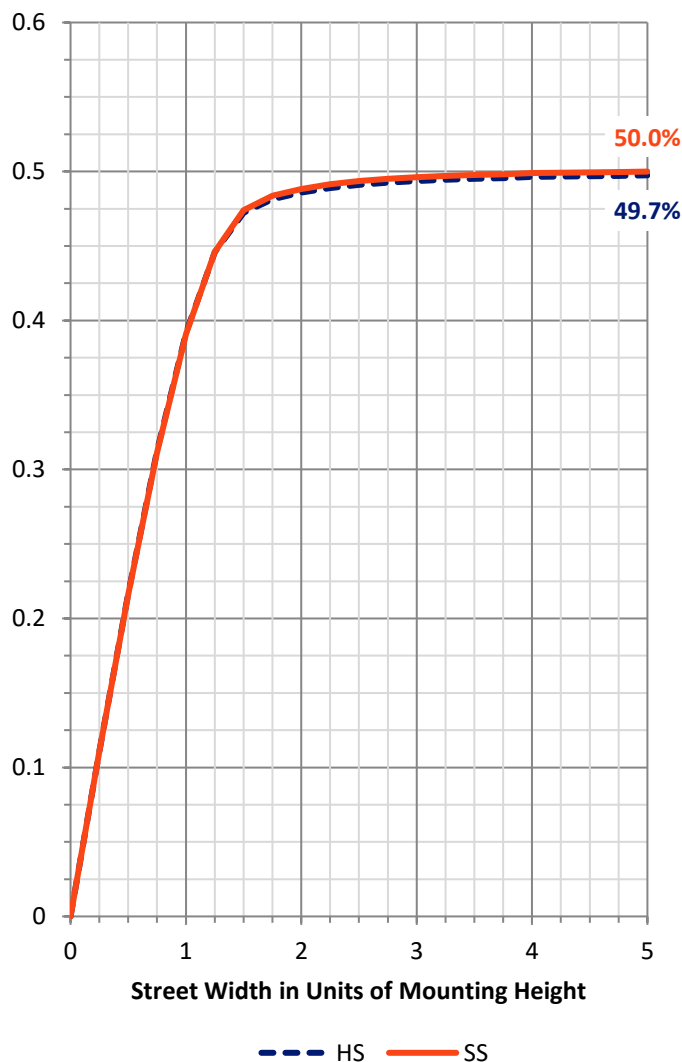
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20098.0	0.0	20098.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20098.0	0.0	20098.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40196.0	0.0	40196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.2	1.6
10°-20°	2169.2	5.4
20°-30°	4129.9	10.3
30°-40°	7091.3	17.6
40°-50°	10899.5	27.1
50°-60°	11068.2	27.5
60°-70°	3084.6	7.7
70°-80°	909.9	2.3
80°-90°	183.3	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°	40196.0	100.0
0°-180°	40196.0	100.0

Coefficient of Utilization



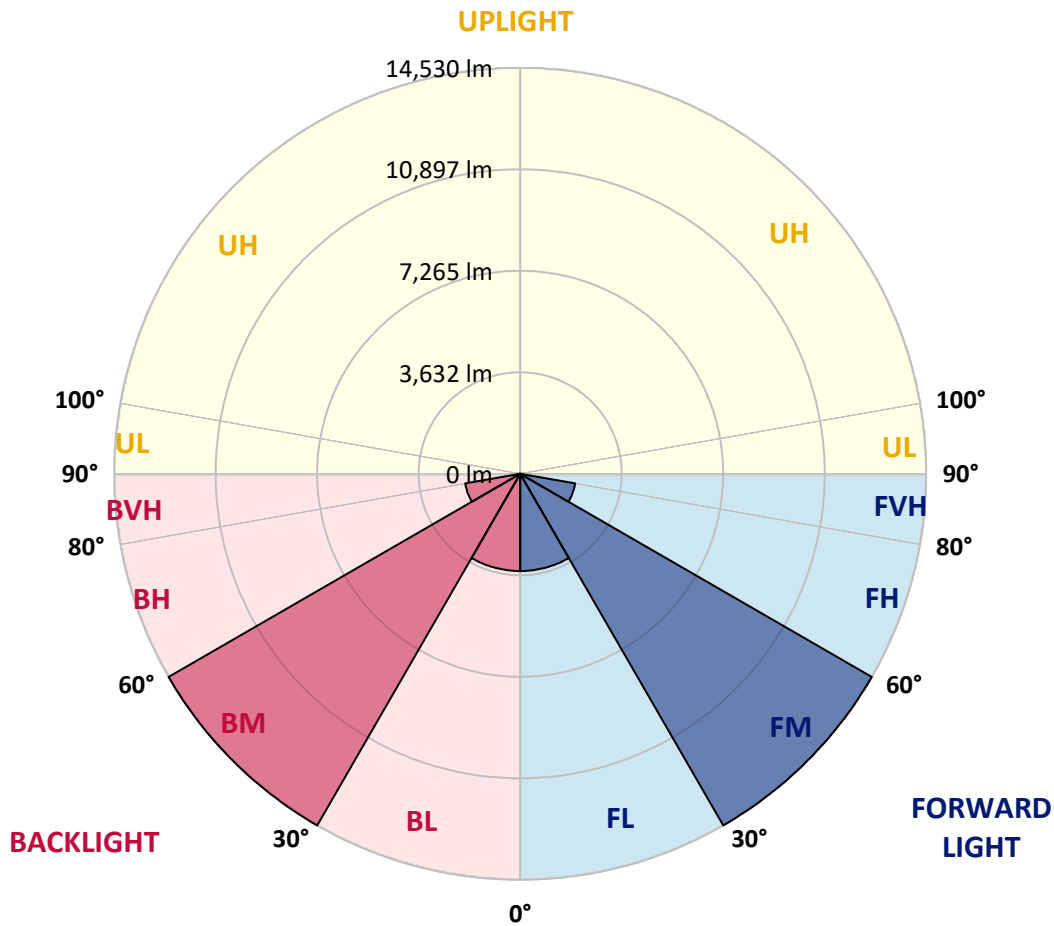
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3479.6	8.7			
FM (30°-60°)	14529.5	36.1			
FH (60°-80°)	1997.2	5.0			G2/5000
FVH (80°-90°)	91.6	0.2			G1/100
BL (0°-30°)	3479.6	8.7	B4/5000		
BM (30°-60°)	14529.5	36.1	B5		
BH (60°-80°)	1997.2	5.0	B3/2500		G2/5000
BVH (80°-90°)	91.6	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°	6719.3	6719.3	6719.3	6719.3	6719.3	6719.3	6719.3	6719.3	6719.3	6719.3	6719.3
2.5°	6734.3	6664.4	6689.4	6704.3	6769.2	6764.2	6749.2	6769.2	6789.1	6794.1	6784.1
5°	6729.3	6679.4	6699.3	6714.3	6779.2	6814.1	6804.1	6888.9	6948.8	6933.8	7008.6
7.5°	6689.4	6719.3	6694.3	6769.2	6824.0	6908.8	6998.6	7078.5	7153.3	7238.1	7253.0
10°	6779.2	6779.2	6824.0	6883.9	7028.6	7093.4	7223.1	7337.8	7482.5	7582.3	7542.4
12.5°	6873.9	6888.9	6888.9	7043.5	7163.3	7307.9	7427.6	7582.3	7786.8	7906.5	7966.4
15°	6968.7	6978.7	7028.6	7238.1	7417.7	7647.1	7756.9	7896.5	8011.3	8235.7	8240.7
17.5°	7053.5	7108.4	7258.0	7492.5	7717.0	7936.4	8111.0	8255.7	8355.5	8445.3	8425.3
20°	7372.8	7412.7	7567.3	7801.8	8136.0	8350.5	8410.3	8435.3	8500.1	8679.7	8624.8
22.5°	7682.0	7697.0	7841.7	8200.8	8435.3	8719.6	8784.5	8769.5	8794.4	8839.3	8919.1
25°	8001.3	8026.2	8225.8	8530.1	8859.3	9198.5	9253.4	9138.6	9103.7	9153.6	9158.6
27.5°	8410.3	8415.3	8669.7	8934.1	9308.2	9627.5	9712.3	9622.5	9457.9	9497.8	9562.6
30°	8929.1	8894.2	9148.6	9527.7	9921.8	10101.4	10246.0	10201.2	10021.6	9986.7	9931.8
32.5°	9527.7	9537.7	9767.2	10181.2	10440.6	10739.9	10894.5	10819.7	10705.0	10645.1	10680.0
35°	10370.8	10415.6	10570.3	10914.5	11333.5	11483.2	11727.6	11568.0	11268.7	11343.5	11408.3
37.5°	11064.1	11193.8	11483.2	11892.2	12141.6	12416.0	12505.8	12291.3	12071.8	11982.0	12196.5
40°	12126.6	12086.7	12406.0	12815.0	13184.2	13458.5	13343.8	13129.3	12585.6	12590.6	12650.4
42.5°	13039.5	13059.5	13303.9	13792.8	14296.6	14466.2	14102.0	13578.3	12974.7	12909.8	13039.5
45°	13807.7	13887.5	14027.2	14680.7	15174.5	15359.1	14685.7	14067.1	13259.0	12989.6	13204.1
47.5°	14082.1	14211.8	14516.1	15114.7	15603.5	15753.2	15214.4	14326.5	13523.4	13084.4	13199.1
50°	14122.0	14077.1	14575.9	15124.6	15553.6	15877.9	15404.0	14516.1	13458.5	13229.1	13194.2
52.5°	13029.5	13249.0	13782.8	14536.0	15404.0	15922.8	15573.6	14620.8	13548.3	13288.9	13204.1
55°	10545.3	10286.0	11258.7	12525.7	14122.0	15563.6	15513.7	14675.7	13603.2	13388.7	13274.0
57.5°	5886.2	5961.1	6509.8	7886.6	9946.7	12341.1	13792.8	14097.0	13578.3	13453.5	13513.4
60°	2723.6	2748.6	2983.0	3626.5	4903.5	6998.6	8909.2	10849.6	11742.5	11922.1	11922.1
62.5°	2030.3	2020.3	2080.1	2194.9	2464.2	3217.5	4295.0	5836.4	7063.5	7921.5	8146.0
65°	1835.7	1830.7	1860.7	1900.6	1920.5	2025.3	2264.7	2738.6	3137.7	3367.1	3327.2
67.5°	1606.2	1601.3	1611.2	1636.2	1671.1	1726.0	1785.8	1885.6	2025.3	2015.3	1990.3
70°	1297.0	1297.0	1311.9	1331.9	1371.8	1436.6	1506.5	1576.3	1696.0	1721.0	1716.0
72.5°	957.8	942.8	972.7	1012.6	1052.5	1132.4	1207.2	1272.0	1356.8	1381.8	1371.8
75°	608.6	618.6	638.5	683.4	753.2	808.1	887.9	942.8	997.7	1017.6	1022.6
77.5°	339.2	349.2	384.1	439.0	508.8	568.7	638.5	683.4	718.3	723.3	728.3
80°	204.5	209.5	244.4	294.3	354.2	419.0	473.9	518.8	548.7	533.8	528.8
82.5°	124.7	129.7	159.6	204.5	254.4	304.3	364.1	404.1	434.0	414.0	394.1
85°	64.8	69.8	94.8	124.7	164.6	189.6	189.6	169.6	164.6	154.6	149.7
87.5°	20.0	20.0	24.9	29.9	24.9	29.9	34.9	39.9	39.9	44.9	39.9
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)