

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: P652547

Luminaire Tested: **GALN-SA8B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652547
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-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 4000K, 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: 33860.4 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

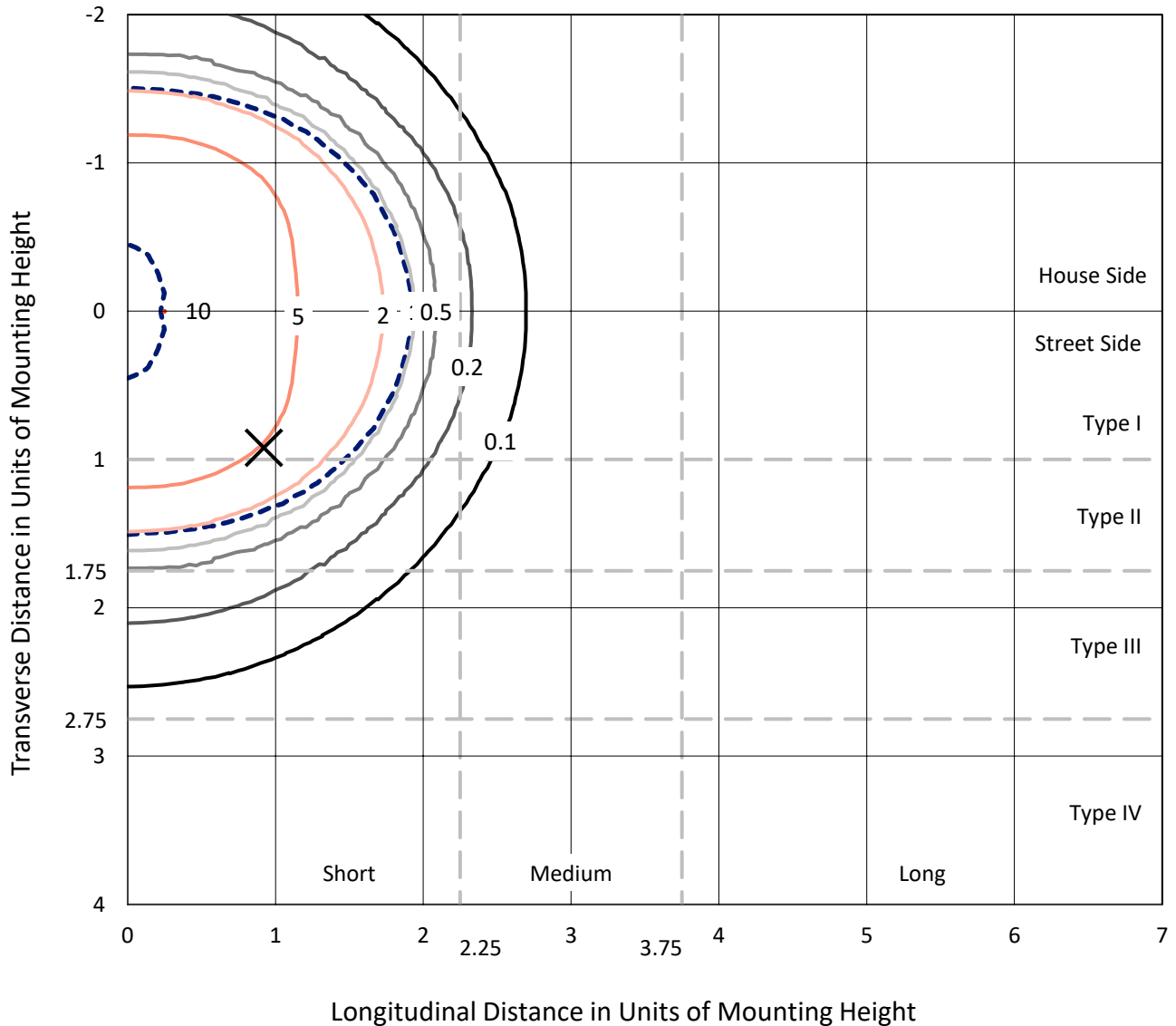
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

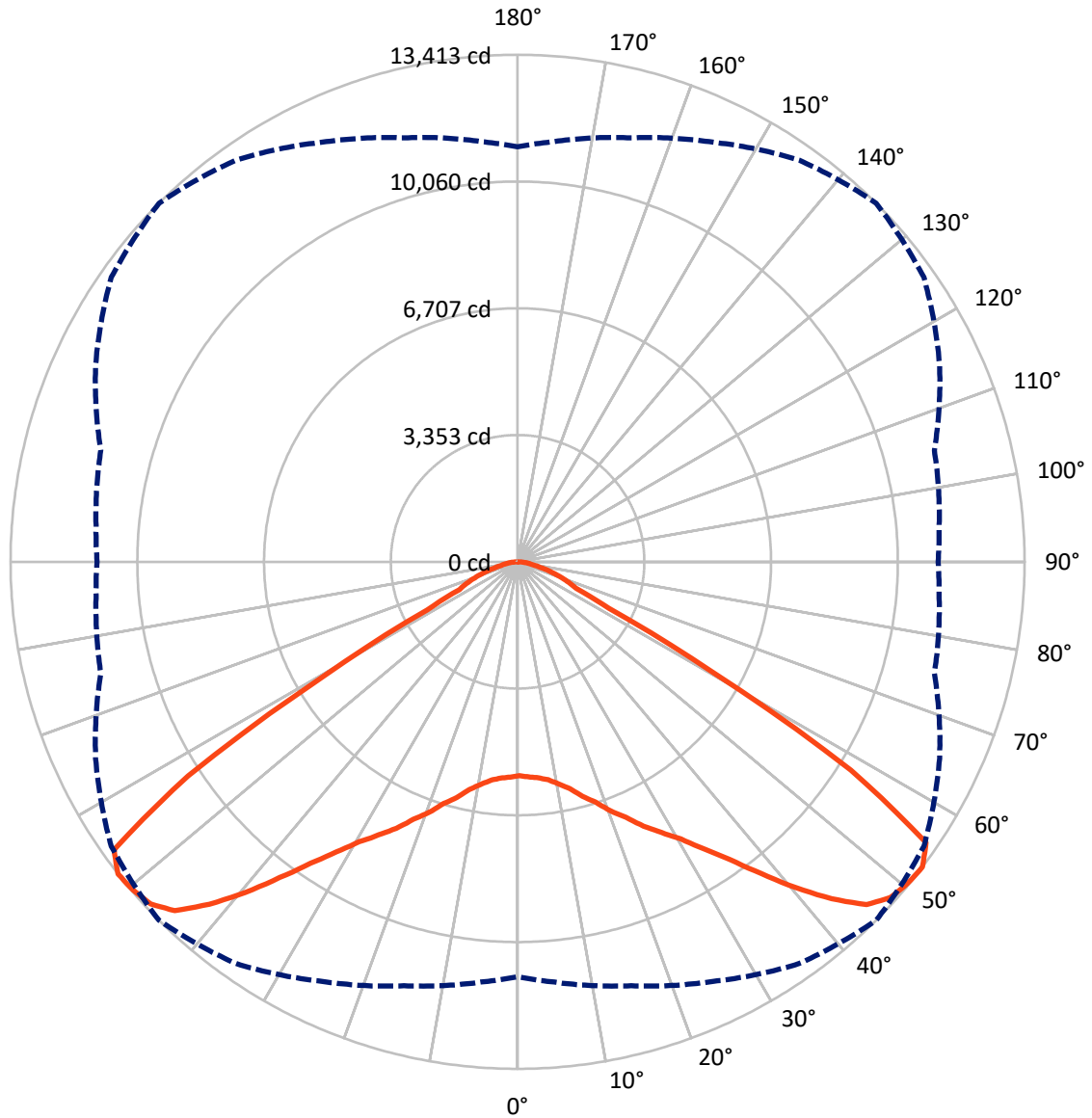
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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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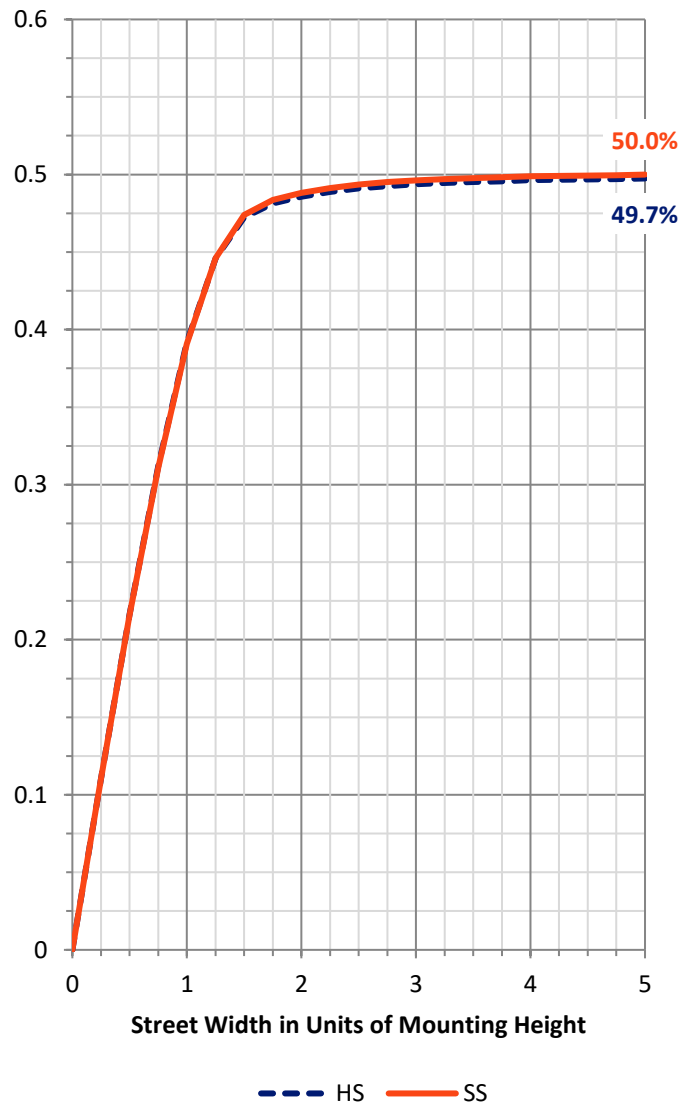
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16930.2	0.0	16930.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16930.2	0.0	16930.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33860.4	0.0	33860.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.1	1.6
10°-20°	1827.3	5.4
20°-30°	3478.9	10.3
30°-40°	5973.6	17.6
40°-50°	9181.5	27.1
50°-60°	9323.7	27.5
60°-70°	2598.4	7.7
70°-80°	766.5	2.3
80°-90°	154.4	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°	33860.4	100.0
0°-180°	33860.4	100.0

Coefficient of Utilization



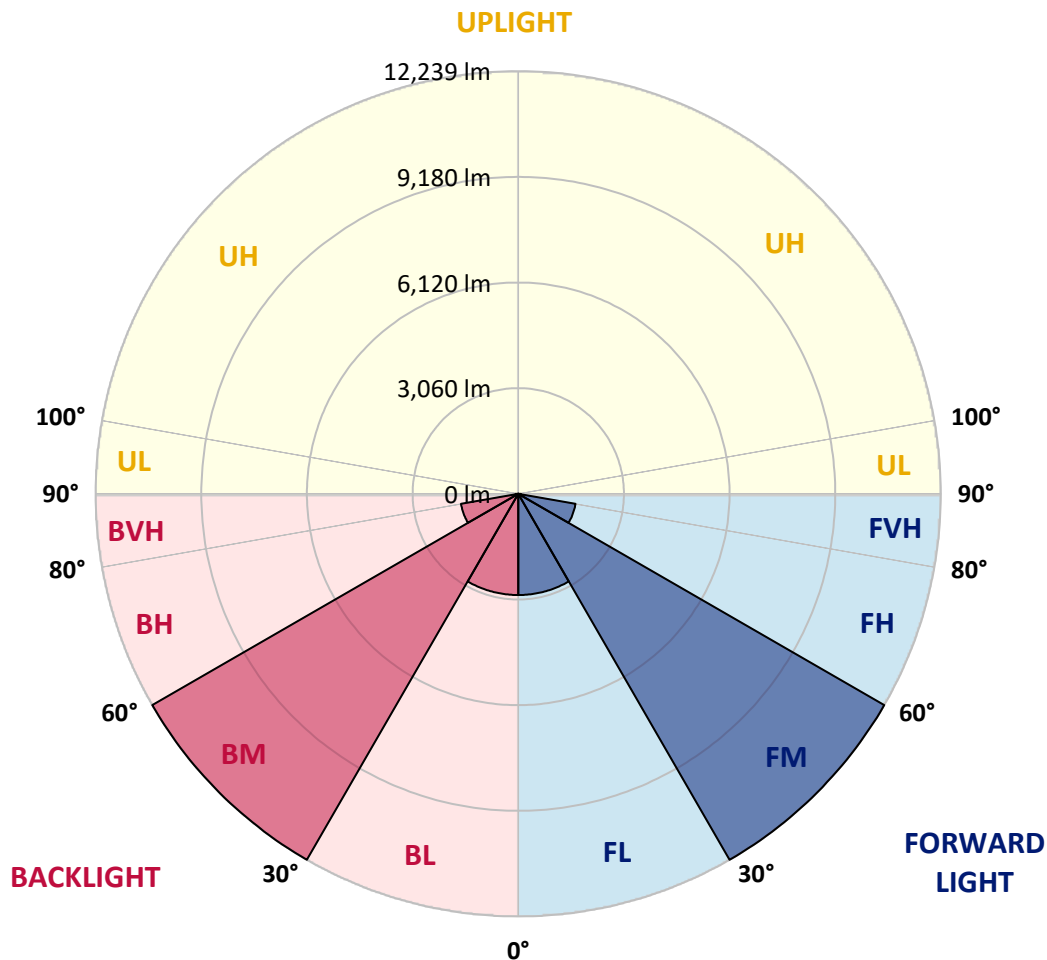
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2931.2	8.7			
FM (30°-60°)	12239.4	36.1			
FH (60°-80°)	1682.4	5.0			G1/1800
FVH (80°-90°)	77.2	0.2			G1/100
BL (0°-30°)	2931.2	8.7	B4/5000		
BM (30°-60°)	12239.4	36.1	B5		
BH (60°-80°)	1682.4	5.0	B3/2500		G1/1800
BVH (80°-90°)	77.2	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5660.2	5660.2	5660.2	5660.2	5660.2	5660.2	5660.2	5660.2	5660.2	5660.2	5660.2
2.5°	5672.8	5614.0	5635.0	5647.6	5702.2	5698.0	5685.4	5702.2	5719.1	5723.3	5714.8
5°	5668.6	5626.6	5643.4	5656.0	5710.6	5740.1	5731.7	5803.1	5853.5	5840.9	5903.9
7.5°	5635.0	5660.2	5639.2	5702.2	5748.5	5819.9	5895.5	5962.8	6025.8	6097.2	6109.9
10°	5710.6	5710.6	5748.5	5798.9	5920.7	5975.4	6084.6	6181.3	6303.1	6387.1	6353.6
12.5°	5790.5	5803.1	5803.1	5933.3	6034.2	6156.0	6256.9	6387.1	6559.5	6660.3	6710.8
15°	5870.3	5878.7	5920.7	6097.2	6248.5	6441.8	6534.2	6651.9	6748.5	6937.7	6941.9
17.5°	5941.7	5988.0	6114.0	6311.5	6500.6	6685.5	6832.6	6954.5	7038.5	7114.1	7097.3
20°	6210.7	6244.3	6374.5	6572.1	6853.6	7034.3	7084.7	7105.7	7160.4	7311.7	7265.4
22.5°	6471.2	6483.8	6605.6	6908.2	7105.7	7345.2	7399.9	7387.3	7408.3	7446.0	7513.3
25°	6740.1	6761.1	6929.3	7185.6	7462.9	7748.6	7794.9	7698.2	7668.8	7710.8	7715.0
27.5°	7084.7	7088.9	7303.2	7525.9	7841.1	8110.0	8181.4	8105.8	7967.1	8000.8	8055.4
30°	7521.7	7492.3	7706.6	8026.0	8357.9	8509.2	8631.1	8593.3	8442.0	8412.6	8366.4
32.5°	8026.0	8034.4	8227.7	8576.4	8794.9	9047.1	9177.3	9114.3	9017.7	8967.2	8996.7
35°	8736.1	8774.0	8904.2	9194.1	9547.1	9673.2	9879.1	9744.6	9492.5	9555.5	9610.2
37.5°	9320.2	9429.5	9673.2	10017.7	10227.9	10459.0	10534.6	10353.9	10169.0	10093.4	10274.1
40°	10215.3	10181.7	10450.6	10795.2	11106.1	11337.2	11240.6	11059.9	10601.8	10606.0	10656.5
42.5°	10984.2	11001.0	11206.9	11618.8	12043.2	12186.0	11879.3	11438.1	10929.6	10875.0	10984.2
45°	11631.4	11698.6	11816.2	12366.7	12782.7	12938.2	12370.9	11849.9	11169.2	10942.3	11122.9
47.5°	11862.5	11971.7	12228.1	12732.3	13144.1	13270.1	12816.3	12068.4	11391.8	11022.1	11118.7
50°	11896.1	11858.3	12278.5	12740.7	13102.1	13375.3	12976.0	12228.1	11337.2	11143.9	11114.5
52.5°	10975.8	11160.7	11610.3	12244.9	12976.0	13413.0	13118.9	12316.3	11412.9	11194.4	11122.9
55°	8883.2	8664.7	9484.1	10551.4	11896.1	13110.5	13068.5	12362.5	11459.0	11278.4	11181.8
57.5°	4958.5	5021.5	5483.7	6643.5	8379.0	10395.9	11618.8	11875.1	11438.1	11333.0	11383.4
60°	2294.3	2315.4	2512.8	3054.9	4130.7	5895.5	7504.9	9139.5	9891.7	10043.0	10043.0
62.5°	1710.3	1701.8	1752.3	1848.9	2075.8	2710.4	3618.0	4916.4	5950.2	6672.9	6862.0
65°	1546.3	1542.1	1567.4	1601.0	1617.8	1706.1	1907.7	2306.9	2643.1	2836.4	2802.8
67.5°	1353.1	1348.9	1357.3	1378.3	1407.7	1453.9	1504.4	1588.4	1706.1	1697.6	1676.6
70°	1092.5	1092.5	1105.2	1122.0	1155.5	1210.2	1269.1	1327.9	1428.7	1449.7	1445.5
72.5°	806.8	794.2	819.4	853.0	886.7	953.9	1016.9	1071.5	1143.0	1163.9	1155.5
75°	512.7	521.1	537.9	575.7	634.5	680.7	748.0	794.2	840.4	857.2	861.4
77.5°	285.8	294.2	323.5	369.8	428.6	479.0	537.9	575.7	605.1	609.3	613.5
80°	172.3	176.5	205.9	247.9	298.4	353.0	399.2	437.0	462.2	449.6	445.4
82.5°	105.0	109.2	134.5	172.3	214.3	256.3	306.7	340.4	365.6	348.8	331.9
85°	54.7	58.9	79.8	105.0	138.7	159.7	159.7	142.9	138.7	130.3	126.1
87.5°	16.8	16.8	21.0	25.2	21.0	25.2	29.4	33.6	33.6	37.8	33.6
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)