

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: P652216

Luminaire Tested: **GALN-SA2B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6219.2 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

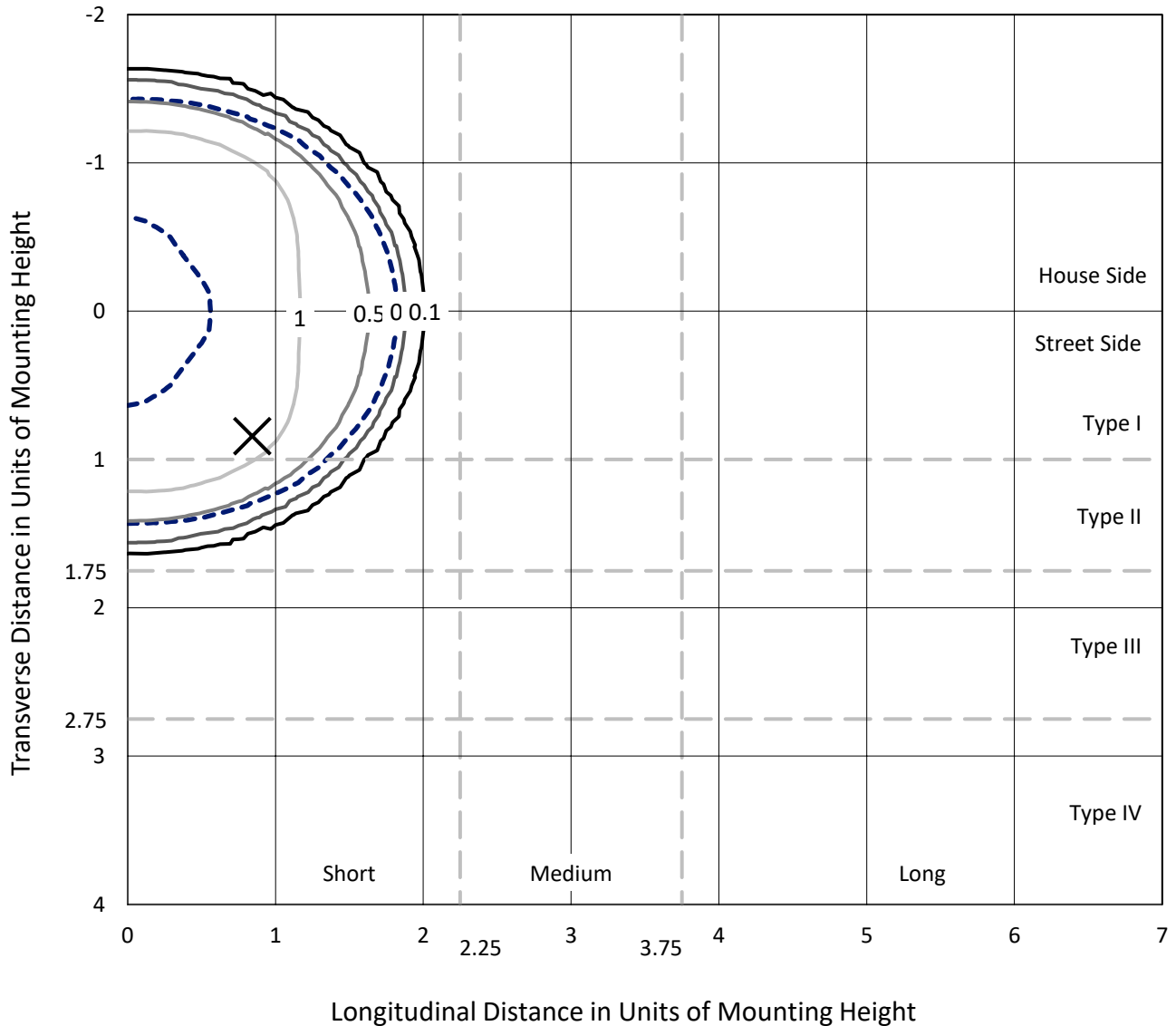
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

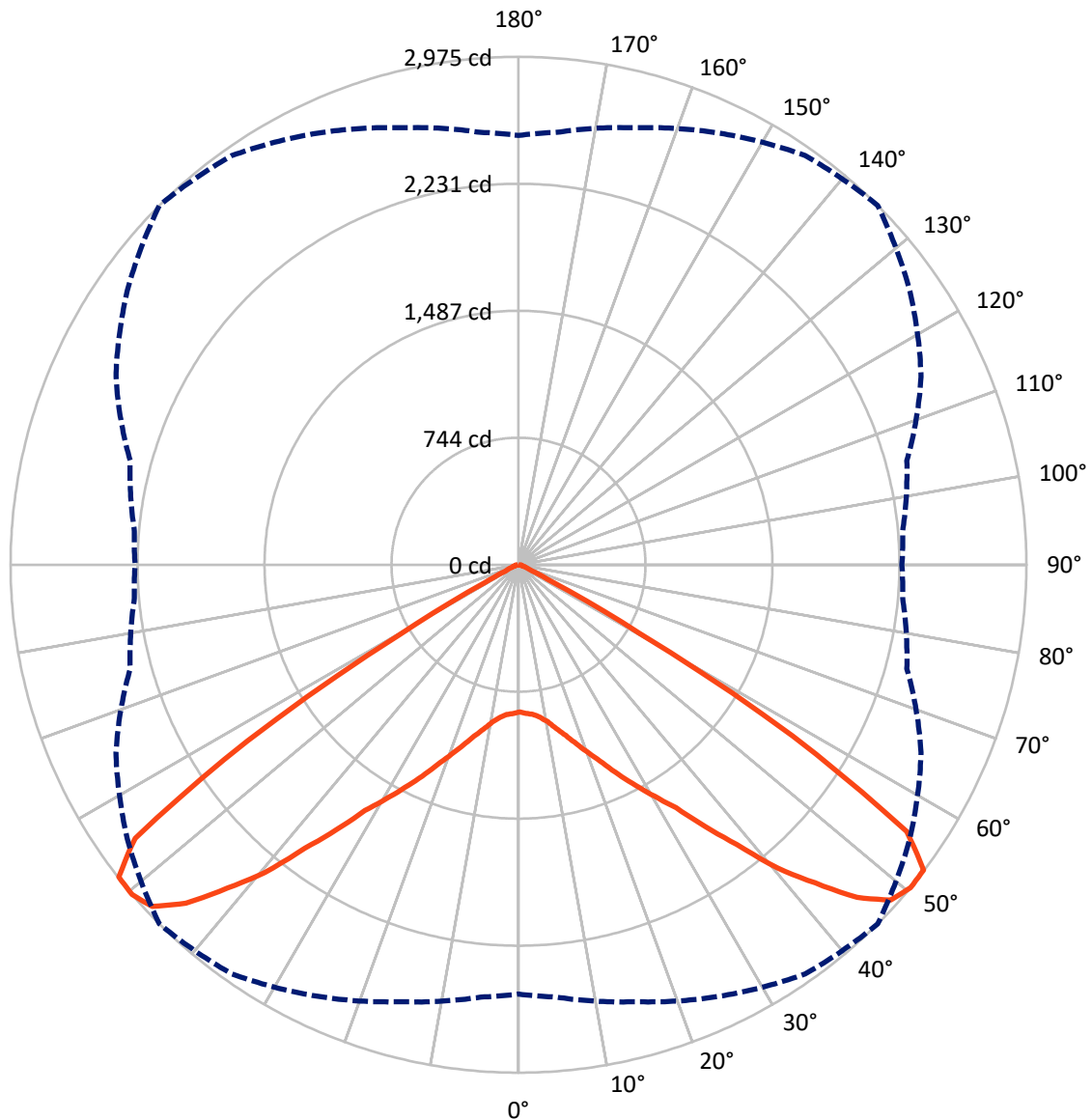
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3109.6	0.0	3109.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3109.6	0.0	3109.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6219.2	0.0	6219.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.4
10°-20°	295.6	4.8
20°-30°	603.8	9.7
30°-40°	1151.5	18.5
40°-50°	1940.4	31.2
50°-60°	1850.5	29.8
60°-70°	258.3	4.2
70°-80°	24.7	0.4
80°-90°	8.5	0.1
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°	6219.2	100.0
0°-180°	6219.2	100.0

Coefficient of Utilization

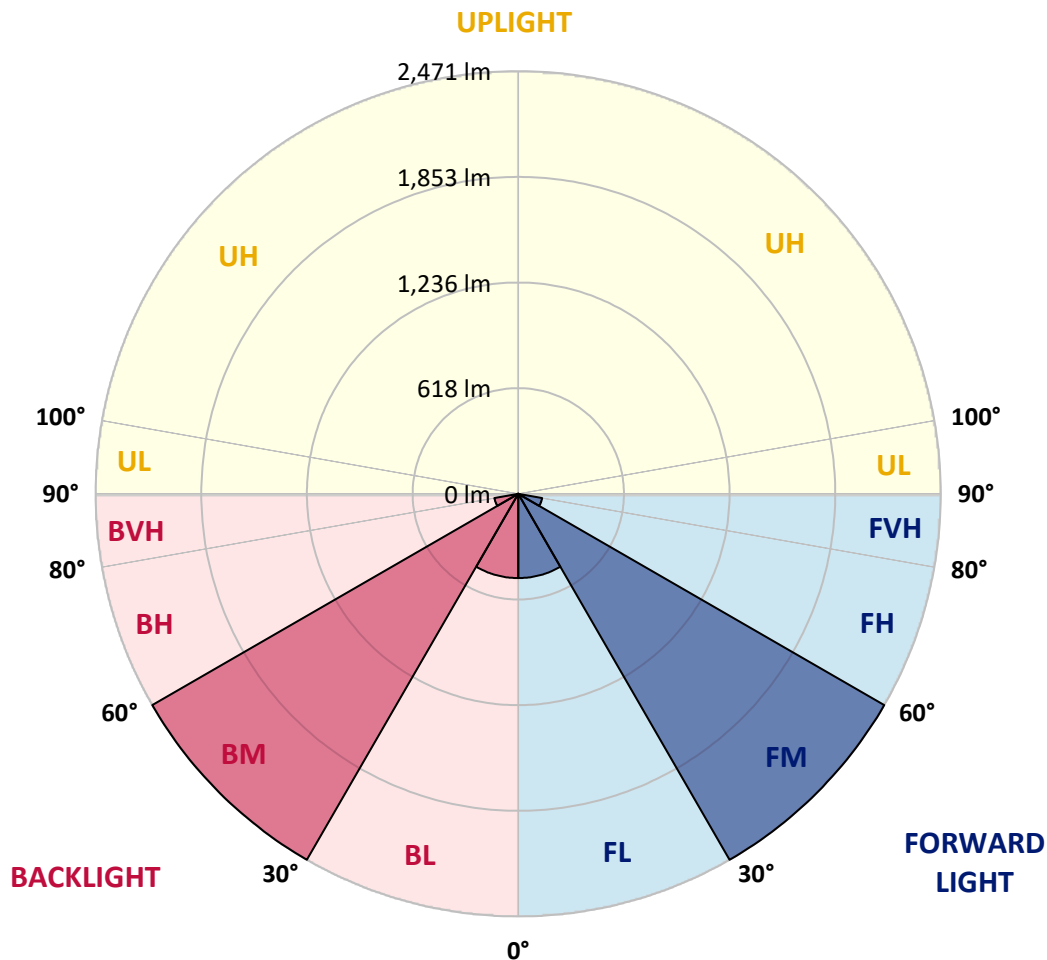


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.6	7.9			
FM (30°-60°)	2471.2	39.7			
FH (60°-80°)	141.5	2.3			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	492.6	7.9	B1/500		
BM (30°-60°)	2471.2	39.7	B2/2500		
BH (60°-80°)	141.5	2.3	B1/500		G0/660
BVH (80°-90°)	4.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	862.2	862.2	862.2	862.2	862.2	862.2	862.2	862.2	862.2	862.2	862.2
2.5°	859.1	859.1	858.1	866.4	862.2	871.6	870.6	873.7	876.9	875.8	884.2
5°	851.8	850.7	850.7	860.1	869.5	880.0	889.4	895.7	906.2	906.2	916.6
7.5°	859.1	853.9	861.2	865.4	883.1	901.0	916.6	929.2	953.3	961.6	958.5
10°	861.2	867.5	872.7	885.2	907.2	934.4	948.1	979.4	1006.6	1025.4	1029.6
12.5°	874.8	884.2	898.9	929.2	949.1	984.6	1003.5	1033.8	1071.5	1092.5	1107.1
15°	901.0	904.1	922.9	961.6	1004.5	1037.0	1066.3	1088.3	1124.8	1149.0	1150.0
17.5°	934.4	948.1	974.2	1010.8	1055.8	1103.9	1126.9	1151.0	1164.6	1197.1	1204.4
20°	1001.4	1003.5	1028.6	1076.7	1133.2	1177.1	1194.0	1206.5	1201.3	1234.8	1241.0
22.5°	1064.2	1066.3	1097.7	1162.5	1223.2	1260.9	1268.2	1260.9	1245.2	1269.2	1271.3
25°	1128.0	1146.9	1169.8	1234.8	1310.1	1360.3	1361.3	1341.5	1309.0	1313.2	1323.6
27.5°	1227.4	1241.0	1265.1	1324.7	1407.4	1463.9	1454.5	1430.4	1388.6	1391.7	1388.6
30°	1343.6	1356.1	1376.0	1452.4	1513.0	1574.8	1588.4	1565.4	1502.6	1489.0	1504.7
32.5°	1483.8	1501.6	1538.2	1608.3	1659.5	1697.2	1706.6	1698.3	1639.7	1634.5	1644.9
35°	1654.3	1678.4	1711.9	1773.6	1815.5	1883.5	1883.5	1855.2	1801.8	1808.2	1807.1
37.5°	1834.3	1869.9	1922.2	1985.0	2041.5	2078.1	2066.6	2042.5	1989.2	1975.6	1989.2
40°	2060.4	2078.1	2144.0	2225.7	2294.8	2336.6	2287.4	2235.0	2107.5	2127.3	2163.9
42.5°	2266.5	2294.8	2345.0	2434.9	2513.4	2548.0	2489.4	2385.7	2231.9	2216.3	2243.5
45°	2442.3	2472.6	2538.6	2667.2	2749.9	2780.3	2650.5	2483.1	2307.3	2267.5	2279.0
47.5°	2559.5	2575.1	2667.2	2789.7	2865.0	2934.1	2747.8	2550.1	2342.9	2267.5	2263.3
50°	2514.5	2541.7	2649.5	2788.6	2925.7	2974.9	2797.0	2601.3	2354.4	2258.1	2245.6
52.5°	2233.0	2280.1	2400.4	2587.8	2794.9	2970.7	2865.0	2584.6	2350.2	2267.5	2286.3
55°	1553.9	1554.9	1701.4	1977.7	2343.9	2758.3	2765.6	2603.4	2377.4	2326.1	2327.1
57.5°	624.7	656.1	768.1	1045.4	1383.4	1893.9	2251.9	2415.1	2380.5	2368.0	2400.4
60°	158.0	159.0	193.6	295.1	486.6	812.0	1179.3	1595.7	1837.4	1920.1	1931.6
62.5°	80.6	81.6	90.0	104.6	132.9	217.7	387.2	614.3	873.7	1005.6	1040.1
65°	65.9	65.9	71.1	78.5	79.6	83.7	100.4	143.4	208.2	236.5	239.6
67.5°	50.2	50.2	54.4	58.6	60.7	59.6	57.5	59.6	72.2	69.0	66.9
70°	31.4	32.5	34.6	38.7	40.8	41.9	42.9	45.0	51.3	53.4	51.3
72.5°	18.8	18.8	19.8	23.0	26.2	28.3	31.4	33.5	36.6	41.9	40.8
75°	8.4	8.4	10.4	13.6	16.7	19.8	23.0	26.2	28.3	31.4	32.5
77.5°	2.1	3.1	5.2	9.4	12.5	16.7	20.9	24.1	26.2	26.2	25.1
80°	1.0	1.0	4.2	7.3	13.6	17.8	23.0	25.1	28.3	26.2	23.0
82.5°	1.0	1.0	4.2	7.3	12.5	17.8	24.1	27.2	29.3	26.2	22.0
85°	0.0	1.0	3.1	6.3	10.4	12.5	10.4	7.3	4.2	4.2	3.1
87.5°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)