

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: P652271

Luminaire Tested: **GALN-SA3B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652271
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-SA3B-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 9232.5 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

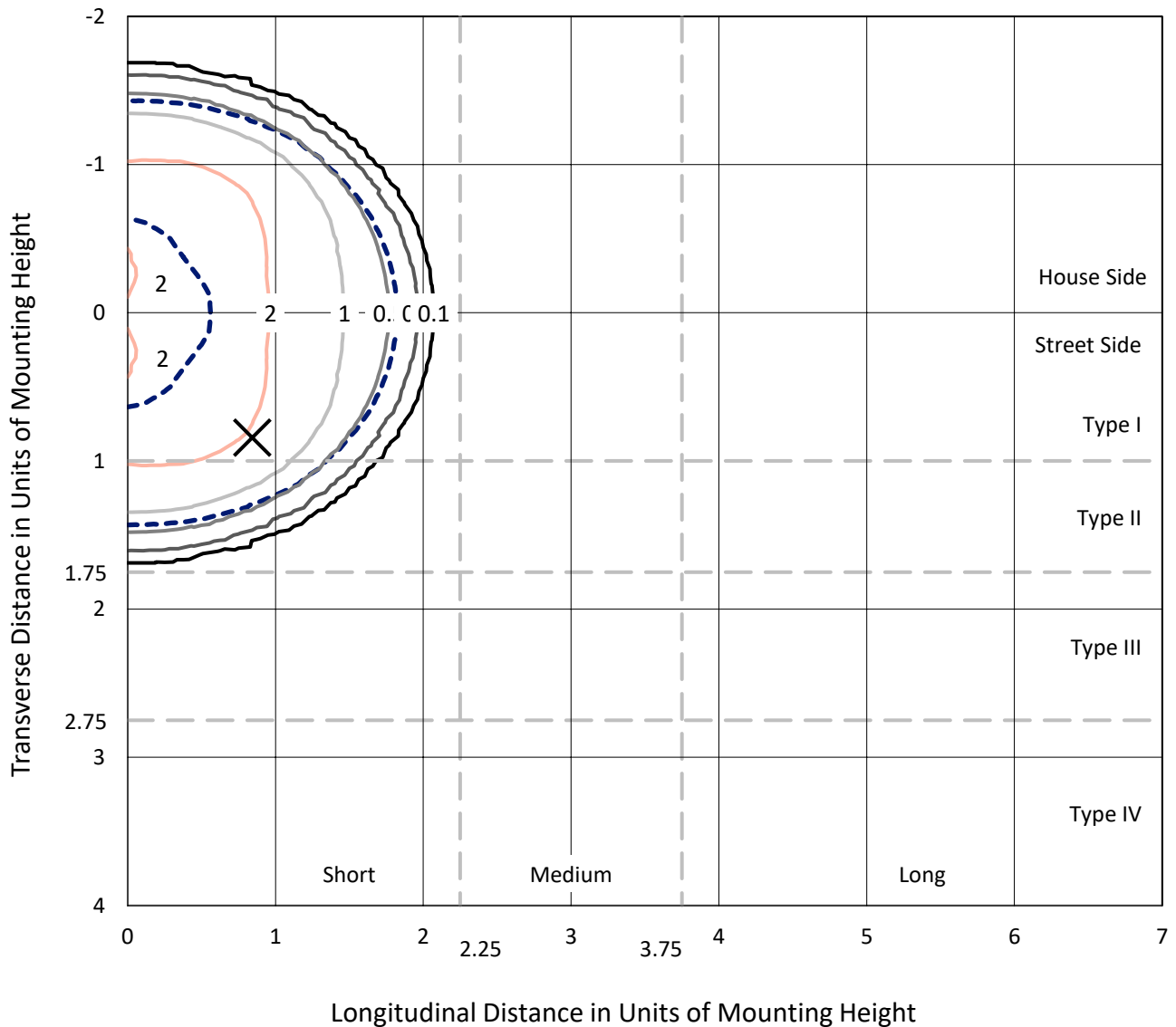
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

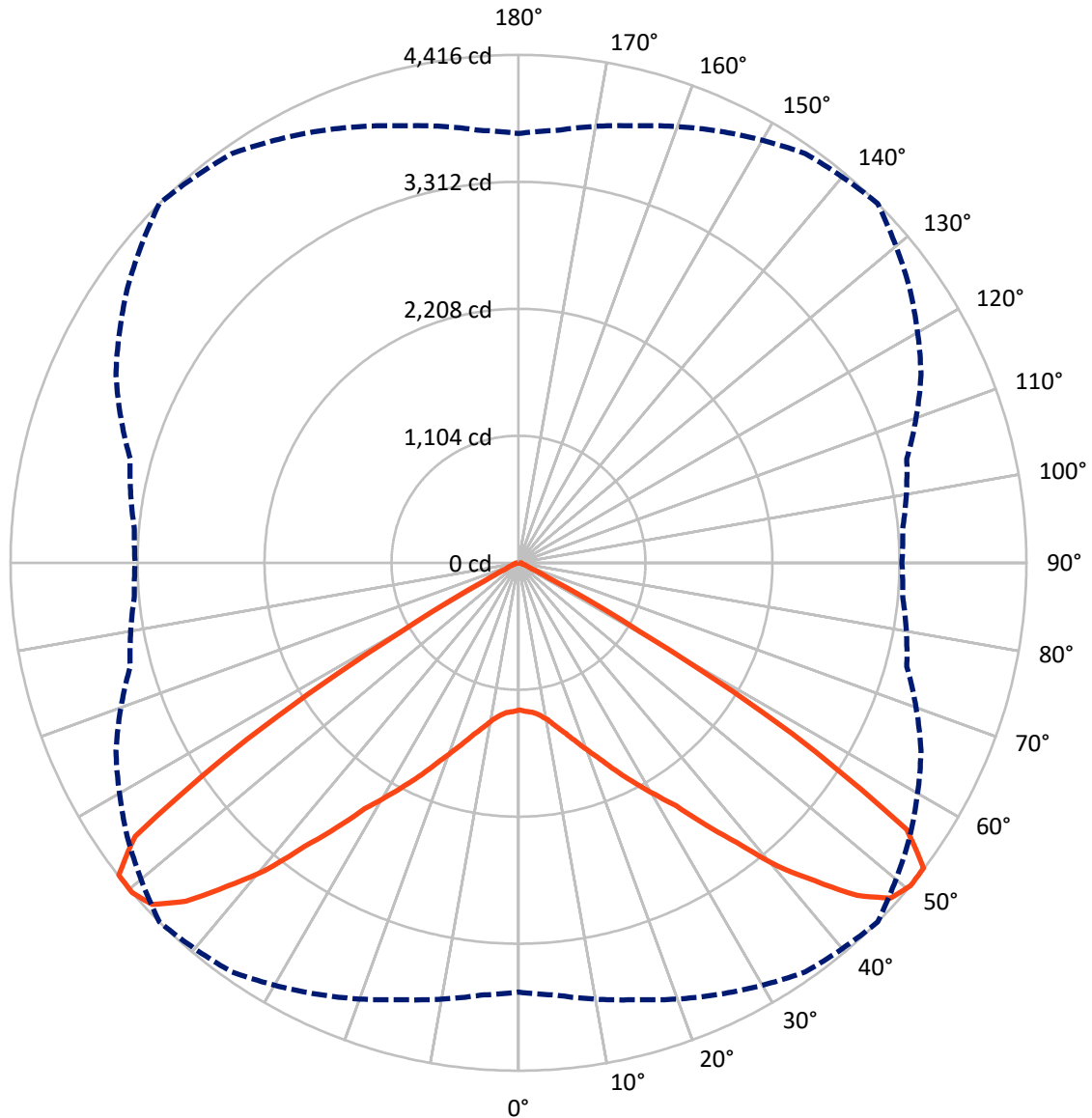
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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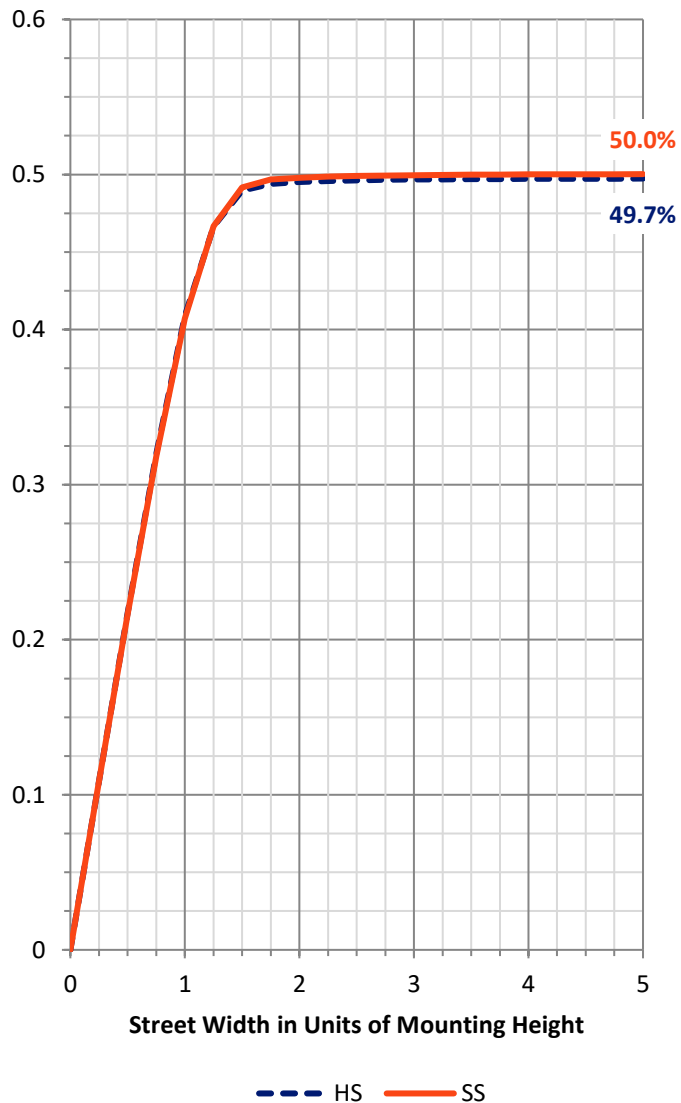
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4616.2	0.0	4616.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4616.2	0.0	4616.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9232.5	0.0	9232.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	1.4
10°-20°	438.9	4.8
20°-30°	896.4	9.7
30°-40°	1709.4	18.5
40°-50°	2880.6	31.2
50°-60°	2747.1	29.8
60°-70°	383.5	4.2
70°-80°	36.7	0.4
80°-90°	12.7	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°	9232.5	100.0
0°-180°	9232.5	100.0

Coefficient of Utilization

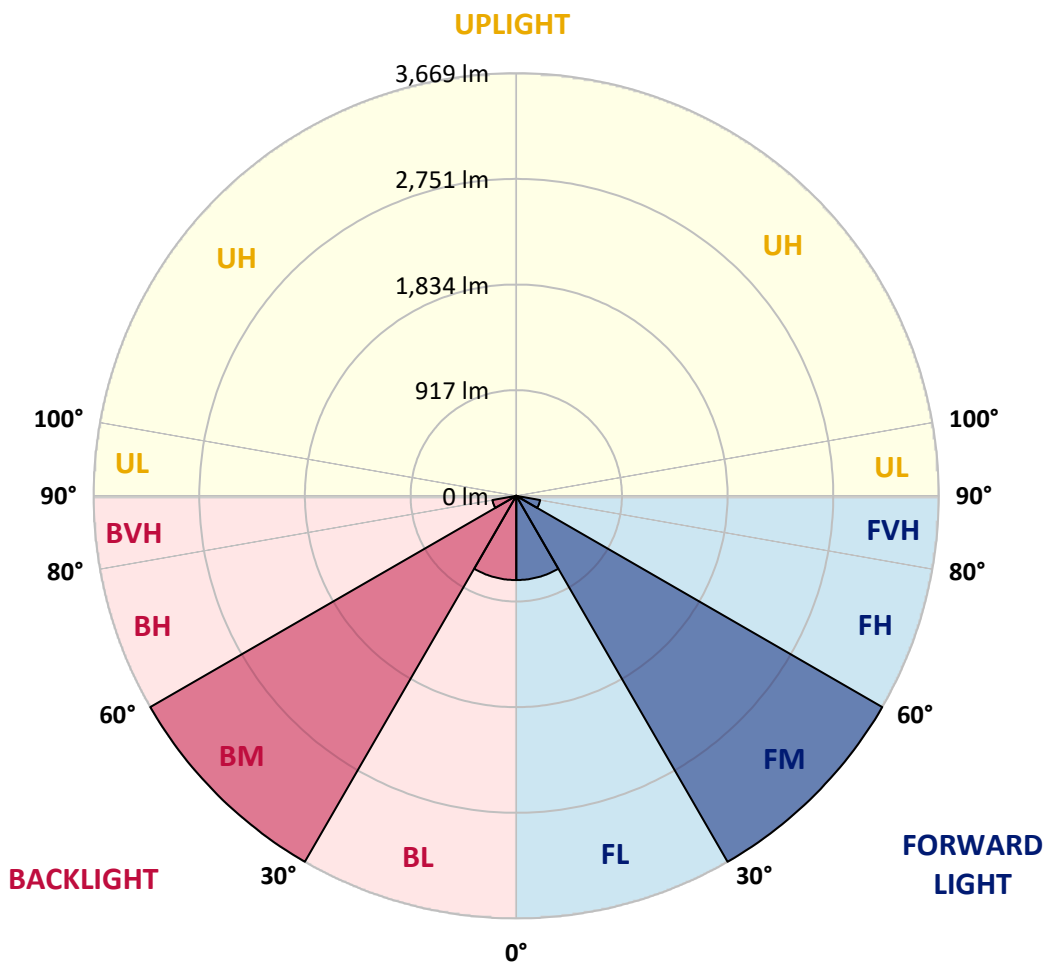


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.3	7.9			
FM (30°-60°)	3668.5	39.7			
FH (60°-80°)	210.1	2.3			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	731.3	7.9	B2/1000		
BM (30°-60°)	3668.5	39.7	B3/5000		
BH (60°-80°)	210.1	2.3	B1/500		G0/660
BVH (80°-90°)	6.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1280.0	1280.0	1280.0	1280.0	1280.0	1280.0	1280.0	1280.0	1280.0	1280.0	1280.0
2.5°	1275.3	1275.3	1273.8	1286.2	1280.0	1294.0	1292.4	1297.1	1301.7	1300.2	1312.6
5°	1264.4	1262.9	1262.9	1276.9	1290.9	1306.4	1320.4	1329.7	1345.3	1345.3	1360.7
7.5°	1275.3	1267.6	1278.4	1284.6	1311.0	1337.4	1360.7	1379.4	1415.2	1427.5	1422.9
10°	1278.4	1287.7	1295.5	1314.1	1346.8	1387.1	1407.3	1453.9	1494.4	1522.3	1528.5
12.5°	1298.6	1312.6	1334.3	1379.4	1408.9	1461.7	1489.7	1534.7	1590.7	1621.7	1643.5
15°	1337.4	1342.2	1370.1	1427.5	1491.3	1539.4	1582.9	1615.5	1669.9	1705.6	1707.1
17.5°	1387.1	1407.3	1446.2	1500.6	1567.4	1638.9	1673.0	1708.7	1728.9	1777.0	1788.0
20°	1486.6	1489.7	1527.0	1598.4	1682.3	1747.5	1772.4	1791.1	1783.3	1833.0	1842.3
22.5°	1579.8	1582.9	1629.5	1725.8	1815.9	1871.8	1882.7	1871.8	1848.5	1884.3	1887.4
25°	1674.5	1702.5	1736.7	1833.0	1944.8	2019.4	2020.9	1991.4	1943.3	1949.5	1965.0
27.5°	1822.1	1842.3	1878.0	1966.6	2089.3	2173.1	2159.2	2123.4	2061.4	2066.0	2061.4
30°	1994.5	2013.2	2042.7	2156.1	2246.2	2337.8	2358.0	2323.9	2230.7	2210.5	2233.8
32.5°	2202.7	2229.1	2283.5	2387.5	2463.6	2519.6	2533.6	2521.1	2434.1	2426.4	2441.9
35°	2455.9	2491.6	2541.3	2633.0	2695.2	2796.1	2796.1	2754.1	2674.9	2684.2	2682.7
37.5°	2723.1	2775.9	2853.6	2946.8	3030.6	3085.0	3067.9	3032.2	2953.0	2932.8	2953.0
40°	3058.6	3085.0	3182.8	3304.0	3406.6	3468.7	3395.7	3318.0	3128.5	3158.0	3212.4
42.5°	3364.6	3406.6	3481.2	3614.7	3731.2	3782.5	3695.5	3541.7	3313.4	3290.1	3330.4
45°	3625.6	3670.6	3768.5	3959.6	4082.3	4127.3	3934.7	3686.2	3425.2	3366.2	3383.3
47.5°	3799.6	3822.8	3959.6	4141.3	4253.2	4355.7	4079.2	3785.6	3478.0	3366.2	3360.0
50°	3732.8	3773.1	3933.2	4139.7	4343.3	4416.3	4152.2	3861.7	3495.1	3352.2	3333.6
52.5°	3314.9	3384.8	3563.5	3841.5	4149.1	4410.0	4253.2	3836.8	3488.9	3366.2	3394.1
55°	2306.8	2308.3	2525.8	2935.8	3479.6	4094.7	4105.6	3864.8	3529.3	3453.1	3454.7
57.5°	927.4	974.0	1140.1	1551.8	2053.6	2811.6	3342.9	3585.2	3534.0	3515.3	3563.5
60°	234.6	236.2	287.4	438.1	722.3	1205.4	1750.6	2368.9	2727.7	2850.5	2867.6
62.5°	119.6	121.2	133.6	155.3	197.3	323.1	574.7	911.8	1297.1	1492.8	1544.1
65°	97.9	97.9	105.6	116.5	118.1	124.3	149.1	212.8	309.2	351.0	355.7
67.5°	74.6	74.6	80.7	87.0	90.1	88.6	85.4	88.6	107.1	102.5	99.4
70°	46.6	48.2	51.3	57.4	60.6	62.1	63.7	66.8	76.1	79.2	76.1
72.5°	27.9	27.9	29.5	34.1	38.9	42.0	46.6	49.7	54.3	62.1	60.6
75°	12.4	12.4	15.6	20.2	24.9	29.5	34.1	38.9	42.0	46.6	48.2
77.5°	3.1	4.6	7.7	14.0	18.7	24.9	31.0	35.7	38.9	38.9	37.3
80°	1.5	1.5	6.2	10.8	20.2	26.4	34.1	37.3	42.0	38.9	34.1
82.5°	1.5	1.5	6.2	10.8	18.7	26.4	35.7	40.4	43.5	38.9	32.6
85°	0.0	1.5	4.6	9.3	15.6	18.7	15.6	10.8	6.2	6.2	4.6
87.5°	0.0	0.0	1.5	1.5	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)