

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: P652258

Luminaire Tested: **GALN-SA3B-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8574 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

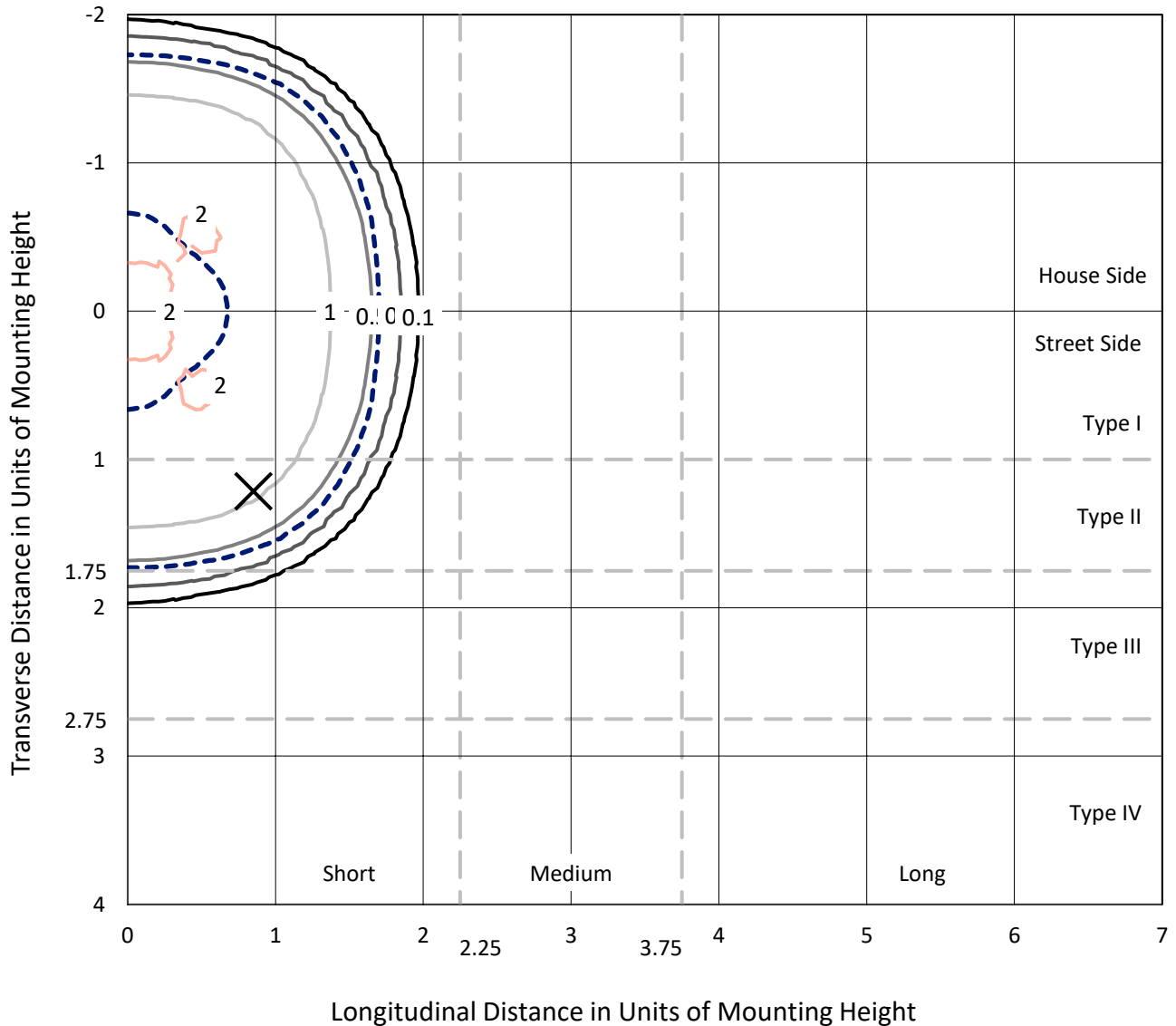
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

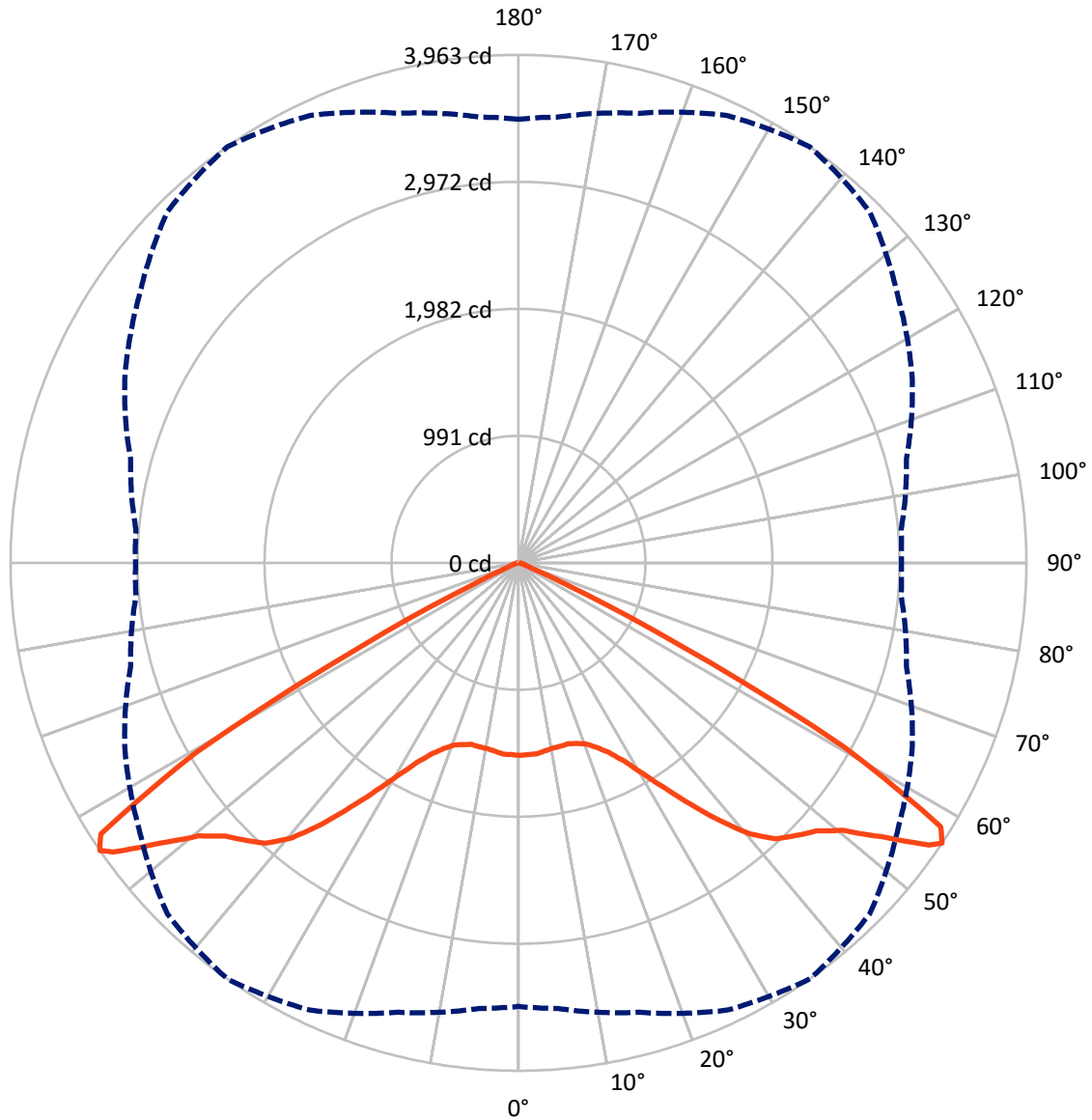
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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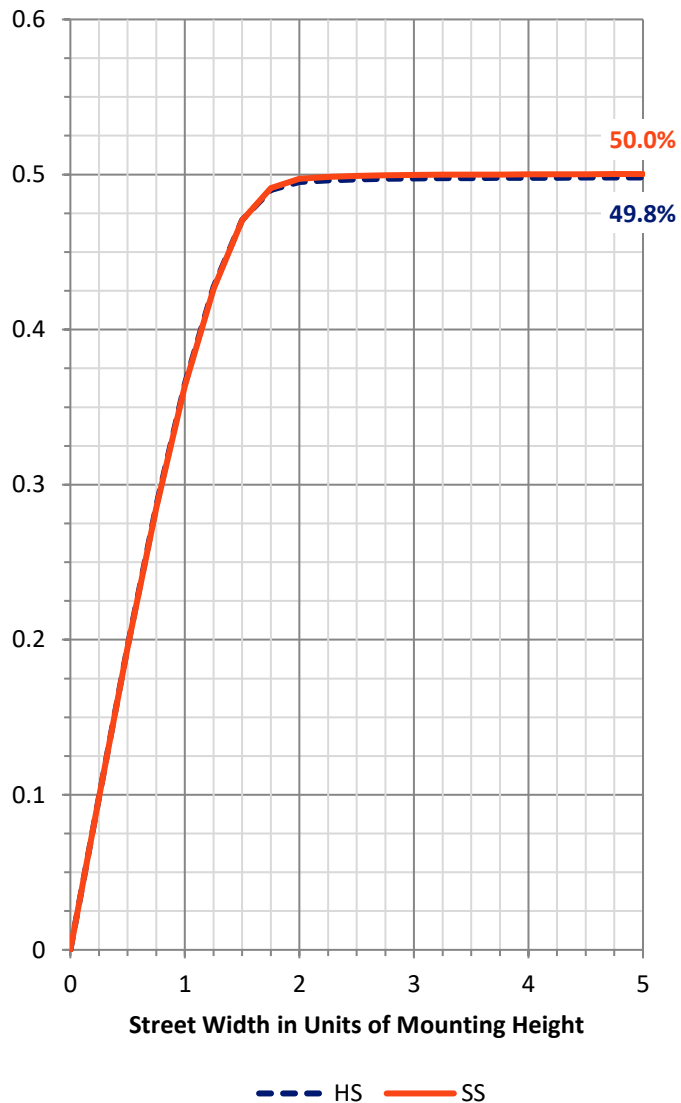
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4287.0	0.0	4287.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4287.0	0.0	4287.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8574.0	0.0	8574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.2	1.6
10°-20°	412.2	4.8
20°-30°	746.5	8.7
30°-40°	1384.3	16.1
40°-50°	2272.2	26.5
50°-60°	2927.2	34.1
60°-70°	645.1	7.5
70°-80°	37.4	0.4
80°-90°	7.9	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°	8574.0	100.0
0°-180°	8574.0	100.0

Coefficient of Utilization



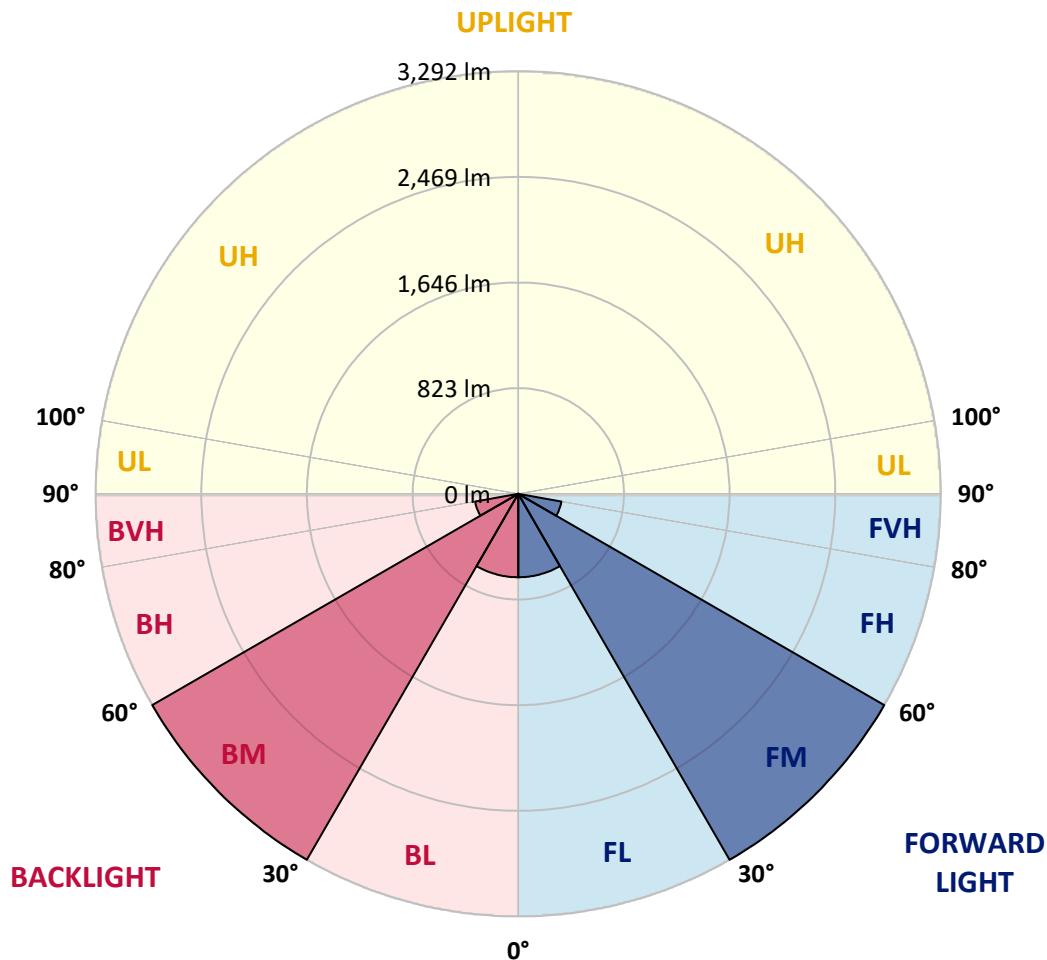
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.0	7.6			
FM (30°-60°)	3291.8	38.4			
FH (60°-80°)	341.3	4.0			G0/660
FVH (80°-90°)	3.9	0.0			G0/10
BL (0°-30°)	650.0	7.6	B2/1000		
BM (30°-60°)	3291.8	38.4	B3/5000		
BH (60°-80°)	341.3	4.0	B1/500		G0/660
BVH (80°-90°)	3.9	0.0			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°	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4	1502.4
2.5°	1505.5	1505.5	1507.0	1508.6	1497.7	1493.0	1494.5	1491.5	1489.9	1494.5	1494.5
5°	1500.8	1500.8	1496.1	1497.7	1497.7	1483.7	1483.7	1486.8	1486.8	1477.5	1474.4
7.5°	1488.4	1485.3	1479.1	1486.8	1482.2	1482.2	1471.2	1463.5	1460.4	1466.6	1460.4
10°	1462.0	1463.5	1469.7	1472.8	1469.7	1479.1	1460.4	1449.5	1438.6	1434.0	1434.0
12.5°	1449.5	1458.9	1449.5	1457.3	1468.1	1460.4	1449.5	1441.7	1426.3	1420.0	1420.0
15°	1447.9	1454.2	1457.3	1468.1	1463.5	1466.6	1444.8	1435.5	1412.2	1401.4	1396.7
17.5°	1446.4	1454.2	1458.9	1479.1	1482.2	1483.7	1466.6	1438.6	1418.4	1407.6	1396.7
20°	1463.5	1466.6	1476.0	1496.1	1508.6	1530.3	1499.3	1469.7	1426.3	1413.8	1409.1
22.5°	1485.3	1500.8	1510.1	1531.9	1564.5	1583.1	1542.7	1505.5	1460.4	1444.8	1426.3
25°	1555.2	1552.1	1567.6	1612.6	1639.0	1653.1	1620.4	1566.0	1507.0	1488.4	1491.5
27.5°	1642.1	1645.2	1659.3	1709.0	1747.9	1769.5	1730.7	1659.3	1601.8	1570.7	1567.6
30°	1755.6	1752.5	1768.0	1834.8	1904.7	1937.3	1869.0	1785.1	1729.2	1688.8	1698.1
32.5°	1875.2	1876.8	1920.3	1980.9	2094.3	2158.0	2047.7	1945.1	1861.2	1833.3	1819.3
35°	2052.3	2060.1	2094.3	2187.5	2313.3	2395.7	2274.5	2151.8	2055.4	2004.2	2010.4
37.5°	2271.4	2263.6	2321.1	2422.1	2554.1	2614.8	2512.2	2372.4	2274.5	2240.3	2262.0
40°	2504.4	2512.2	2541.8	2633.4	2780.9	2821.4	2669.1	2593.0	2507.5	2490.5	2516.9
42.5°	2737.5	2732.8	2754.5	2836.9	2944.1	2916.2	2826.0	2780.9	2720.4	2686.2	2721.9
45°	2908.3	2900.6	2941.0	2996.9	3035.8	2982.9	2942.6	2927.0	2896.0	2858.6	2891.3
47.5°	3074.6	3068.4	3107.2	3122.8	3125.9	3055.9	3063.8	3091.7	3014.1	2936.4	2973.6
50°	3216.0	3205.1	3253.2	3287.5	3279.6	3167.8	3195.8	3167.8	3046.6	2955.0	2941.0
52.5°	3452.1	3456.8	3508.1	3570.2	3551.5	3458.4	3418.0	3290.6	3135.2	3052.8	3004.7
55°	3601.2	3578.0	3666.5	3863.8	3885.6	3789.3	3610.6	3422.6	3189.6	3088.6	3076.1
56°	3461.5	3491.0	3630.8	3851.4	3963.3	3874.7	3615.3	3390.0	3133.7	2996.9	2987.6
57.5°	3105.6	3090.2	3279.6	3581.1	3885.6	3848.3	3487.9	3156.9	2858.6	2704.8	2686.2
60°	1932.7	1977.8	2144.0	2516.9	2923.9	2942.6	2585.2	2300.9	1952.9	1816.1	1848.8
62.5°	756.6	717.8	821.8	1099.9	1379.6	1441.7	1306.6	1086.0	891.8	756.6	747.3
65°	175.6	170.9	192.7	265.7	371.3	430.3	408.6	293.6	216.0	205.0	189.6
67.5°	99.4	99.4	94.8	94.8	104.1	110.3	105.6	104.1	108.7	113.5	111.9
70°	69.9	68.4	65.3	66.8	63.7	63.7	68.4	76.1	82.3	82.3	83.9
72.5°	42.0	42.0	42.0	46.6	46.6	46.6	51.3	57.5	59.0	57.5	55.9
75°	18.7	18.7	21.8	26.4	29.5	31.0	35.7	38.9	42.0	38.9	35.7
77.5°	4.6	4.6	7.7	10.8	14.0	17.1	23.3	28.0	29.5	28.0	23.3
80°	1.5	1.5	3.1	7.7	14.0	17.1	23.3	24.9	26.4	23.3	18.7
82.5°	1.5	1.5	3.1	7.7	10.8	14.0	18.7	21.8	23.3	20.2	18.7
85°	0.0	1.5	3.1	6.2	9.3	12.4	12.4	9.3	7.7	4.6	6.2
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)