

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: P648298

Luminaire Tested: **GALN-SA3B-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648298
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-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 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: 7982.7 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

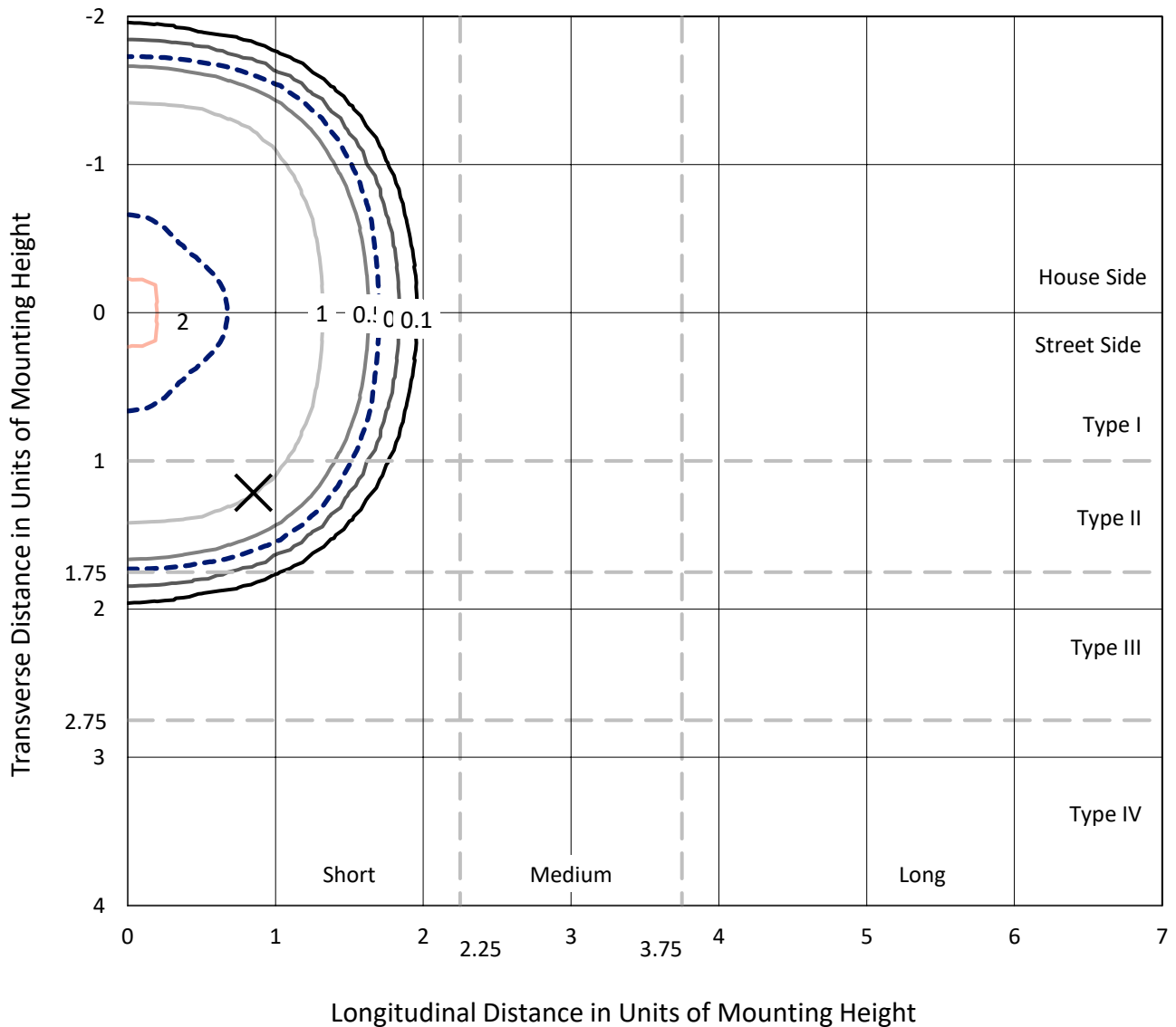
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

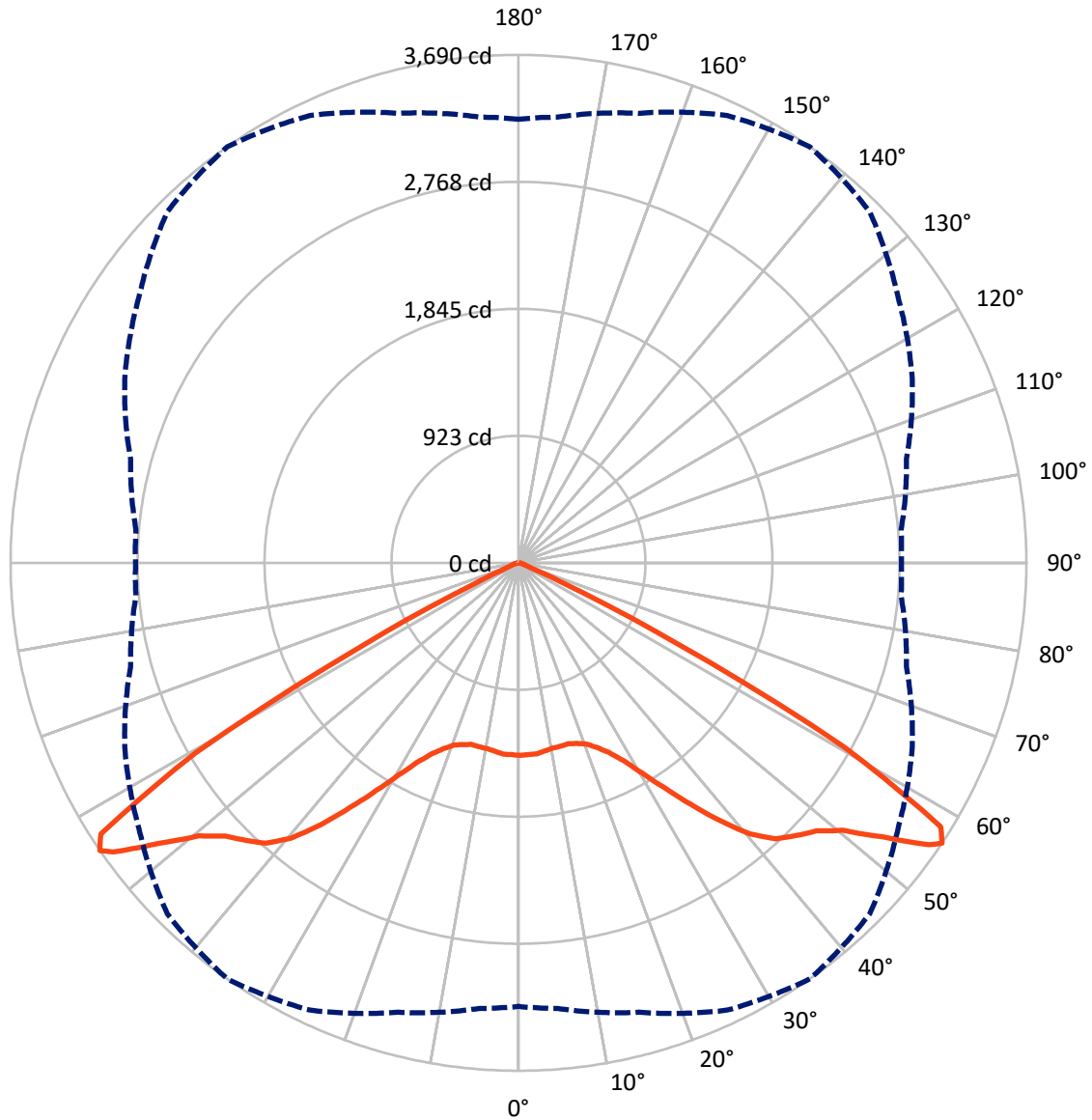
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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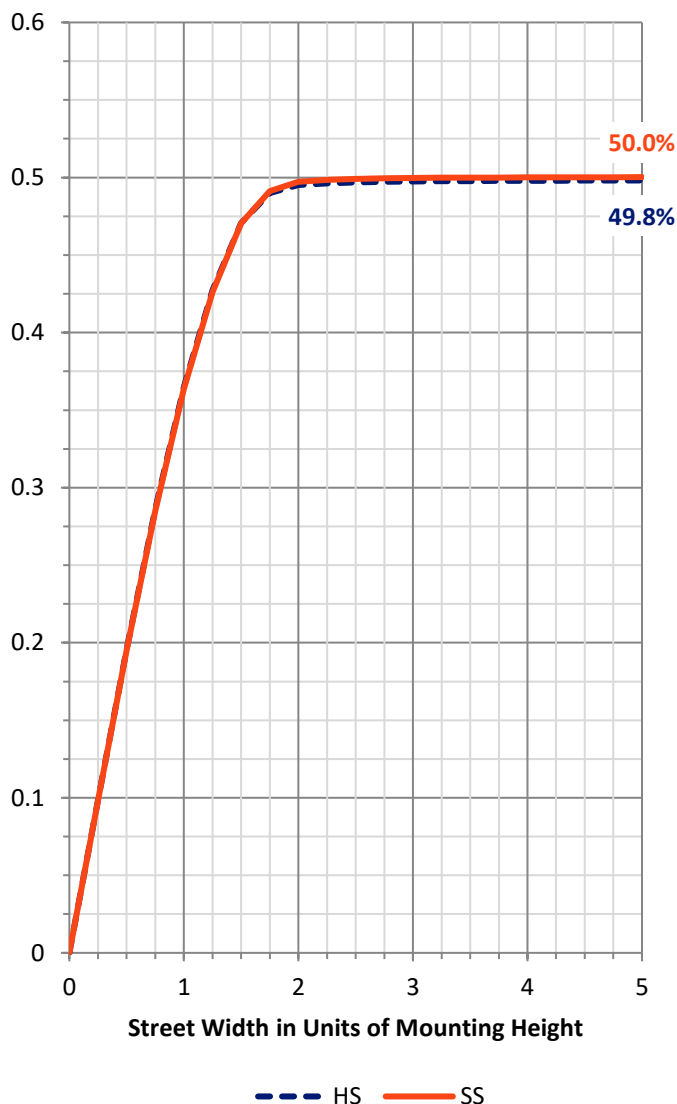
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3991.4	0.0	3991.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3991.4	0.0	3991.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7982.7	0.0	7982.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	1.6
10°-20°	383.8	4.8
20°-30°	695.0	8.7
30°-40°	1288.8	16.1
40°-50°	2115.5	26.5
50°-60°	2725.3	34.1
60°-70°	600.6	7.5
70°-80°	34.9	0.4
80°-90°	7.3	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°	7982.7	100.0
0°-180°	7982.7	100.0

Coefficient of Utilization

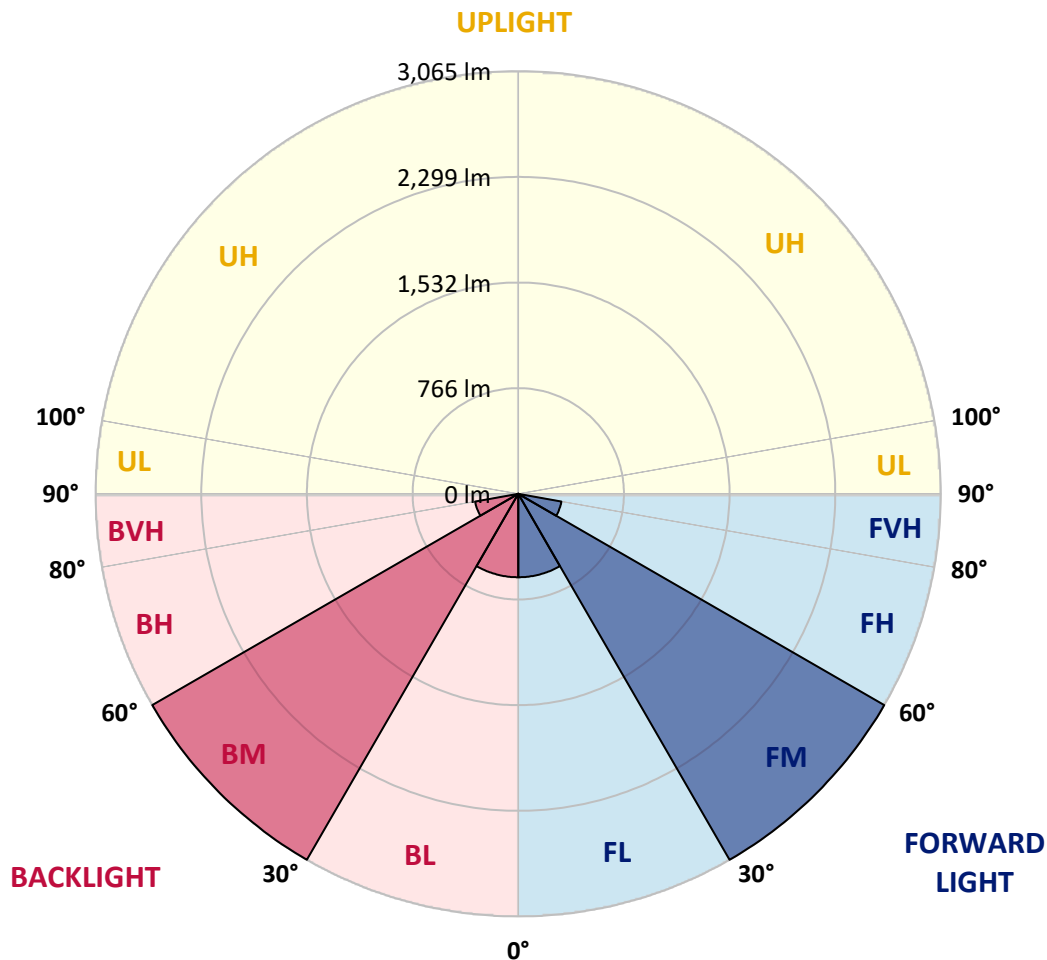


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	605.1	7.6			
FM (30°-60°)	3064.8	38.4			
FH (60°-80°)	317.8	4.0			G0/660
FVH (80°-90°)	3.7	0.0			G0/10
BL (0°-30°)	605.1	7.6	B2/1000		
BM (30°-60°)	3064.8	38.4	B3/5000		
BH (60°-80°)	317.8	4.0	B1/500		G0/660
BVH (80°-90°)	3.7	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°	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8	1398.8
2.5°	1401.6	1401.6	1403.1	1404.5	1394.4	1390.1	1391.5	1388.7	1387.2	1391.5	1391.5
5°	1397.3	1397.3	1393.0	1394.4	1394.4	1381.4	1381.4	1384.3	1384.3	1375.6	1372.7
7.5°	1385.8	1382.9	1377.1	1384.3	1380.0	1380.0	1369.8	1362.6	1359.7	1365.5	1359.7
10°	1361.2	1362.6	1368.4	1371.3	1368.4	1377.1	1359.7	1349.6	1339.4	1335.1	1335.1
12.5°	1349.6	1358.3	1349.6	1356.8	1366.9	1359.7	1349.6	1342.3	1327.9	1322.1	1322.1
15°	1348.1	1353.9	1356.8	1366.9	1362.6	1365.5	1345.2	1336.5	1314.8	1304.7	1300.4
17.5°	1346.7	1353.9	1358.3	1377.1	1380.0	1381.4	1365.5	1339.4	1320.6	1310.5	1300.4
20°	1362.6	1365.5	1374.2	1393.0	1404.5	1424.7	1395.9	1368.4	1327.9	1316.3	1311.9
22.5°	1382.9	1397.3	1406.0	1426.2	1456.6	1473.9	1436.3	1401.6	1359.7	1345.2	1327.9
25°	1447.9	1445.0	1459.5	1501.4	1526.0	1539.1	1508.7	1458.0	1403.1	1385.8	1388.7
27.5°	1528.9	1531.8	1544.9	1591.1	1627.3	1647.5	1611.3	1544.9	1491.3	1462.4	1459.5
30°	1634.5	1631.6	1646.1	1708.3	1773.3	1803.7	1740.1	1662.0	1609.9	1572.3	1581.0
32.5°	1745.9	1747.3	1787.8	1844.3	1949.8	2009.2	1906.4	1811.0	1732.9	1706.9	1693.8
35°	1910.8	1918.0	1949.8	2036.7	2153.8	2230.5	2117.6	2003.4	1913.7	1866.0	1871.8
37.5°	2114.7	2107.5	2161.0	2255.0	2378.0	2434.4	2339.0	2208.8	2117.6	2085.8	2106.0
40°	2331.7	2339.0	2366.5	2451.8	2589.1	2626.8	2485.0	2414.1	2334.6	2318.7	2343.3
42.5°	2548.7	2544.4	2564.6	2641.3	2741.0	2715.1	2631.1	2589.1	2532.8	2501.0	2534.2
45°	2707.8	2700.6	2738.2	2790.2	2826.4	2777.2	2739.6	2725.2	2696.3	2661.5	2691.9
47.5°	2862.6	2856.8	2893.0	2907.4	2910.3	2845.2	2852.5	2878.5	2806.2	2733.8	2768.5
50°	2994.2	2984.1	3028.9	3060.7	3053.5	2949.3	2975.4	2949.3	2836.5	2751.2	2738.2
52.5°	3214.1	3218.4	3266.1	3324.0	3306.6	3219.9	3182.3	3063.6	2918.9	2842.3	2797.5
55°	3352.9	3331.2	3413.6	3597.3	3617.6	3528.0	3361.6	3186.6	2969.6	2875.6	2864.0
56°	3222.7	3250.2	3380.4	3585.8	3690.0	3607.5	3366.0	3156.2	2917.5	2790.2	2781.5
57.5°	2891.5	2877.1	3053.5	3334.1	3617.6	3582.9	3247.3	2939.2	2661.5	2518.3	2501.0
60°	1799.4	1841.4	1996.1	2343.3	2722.3	2739.6	2406.9	2142.2	1818.2	1690.9	1721.3
62.5°	704.5	668.3	765.1	1024.1	1284.4	1342.3	1216.5	1011.1	830.3	704.5	695.8
65°	163.5	159.1	179.4	247.3	345.7	400.7	380.5	273.3	201.1	190.9	176.5
67.5°	92.6	92.6	88.2	88.2	96.9	102.7	98.3	96.9	101.2	105.6	104.1
70°	65.1	63.7	60.8	62.2	59.3	59.3	63.7	70.9	76.7	76.7	78.1
72.5°	39.1	39.1	39.1	43.4	43.4	43.4	47.8	53.6	55.0	53.6	52.1
75°	17.4	17.4	20.3	24.6	27.5	28.9	33.3	36.2	39.1	36.2	33.3
77.5°	4.3	4.3	7.2	10.1	13.0	15.9	21.7	26.1	27.5	26.1	21.7
80°	1.4	1.4	2.9	7.2	13.0	15.9	21.7	23.2	24.6	21.7	17.4
82.5°	1.4	1.4	2.9	7.2	10.1	13.0	17.4	20.3	21.7	18.8	17.4
85°	0.0	1.4	2.9	5.8	8.7	11.6	11.6	8.7	7.2	4.3	5.8
87.5°	0.0	0.0	1.4	1.4	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)