

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: P646819

Luminaire Tested: **GALN-SA3C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8572.3 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

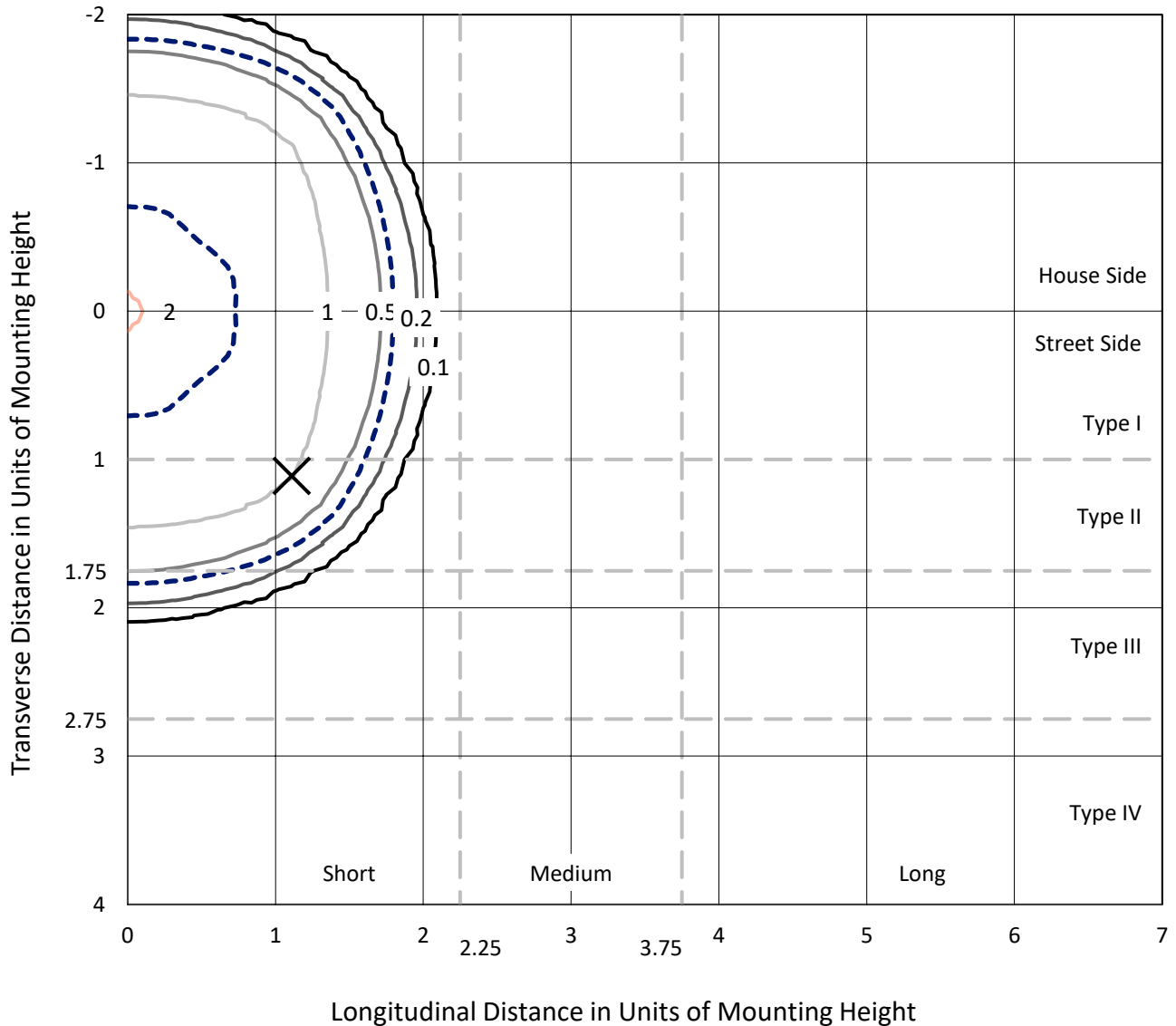
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

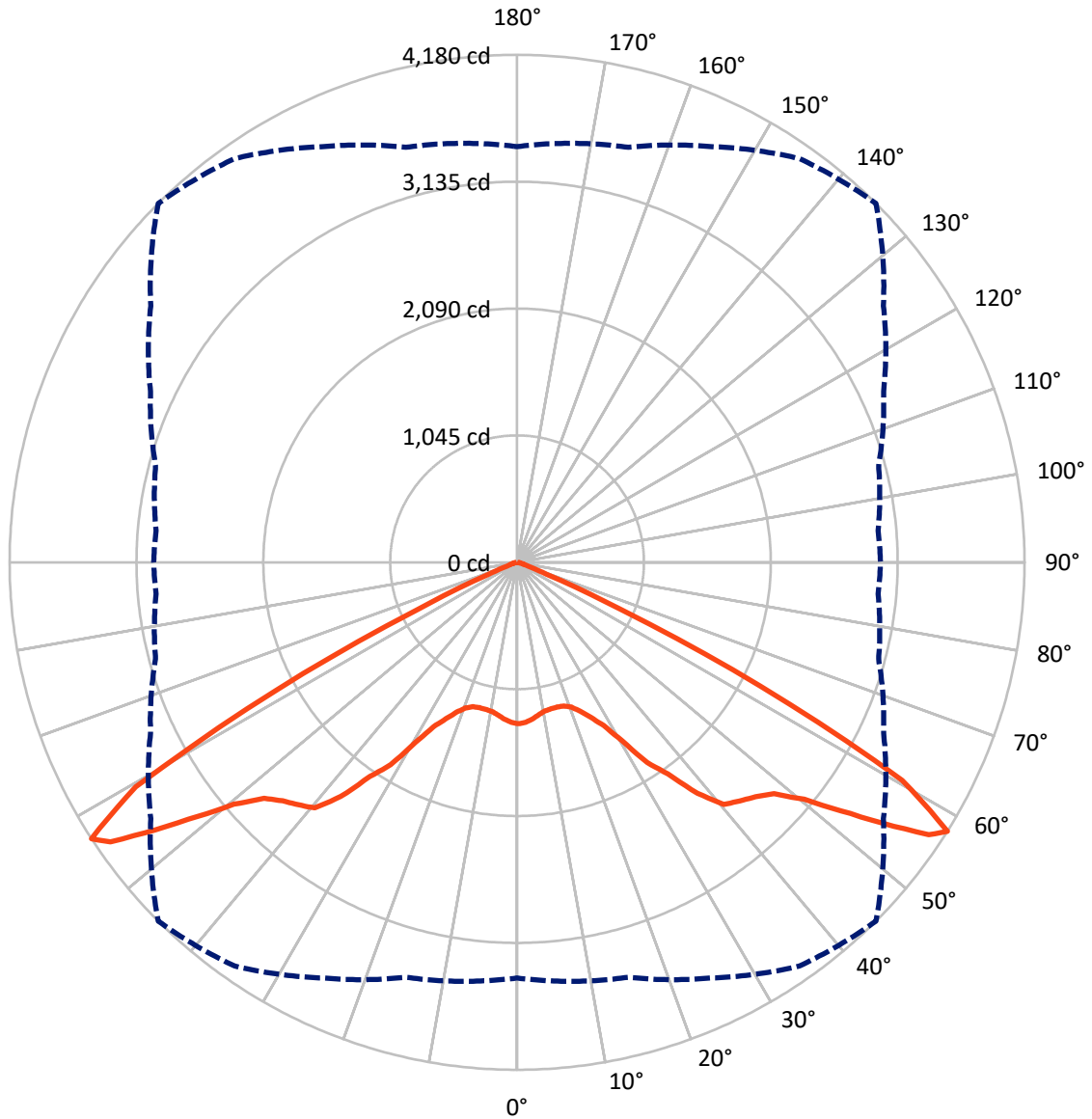
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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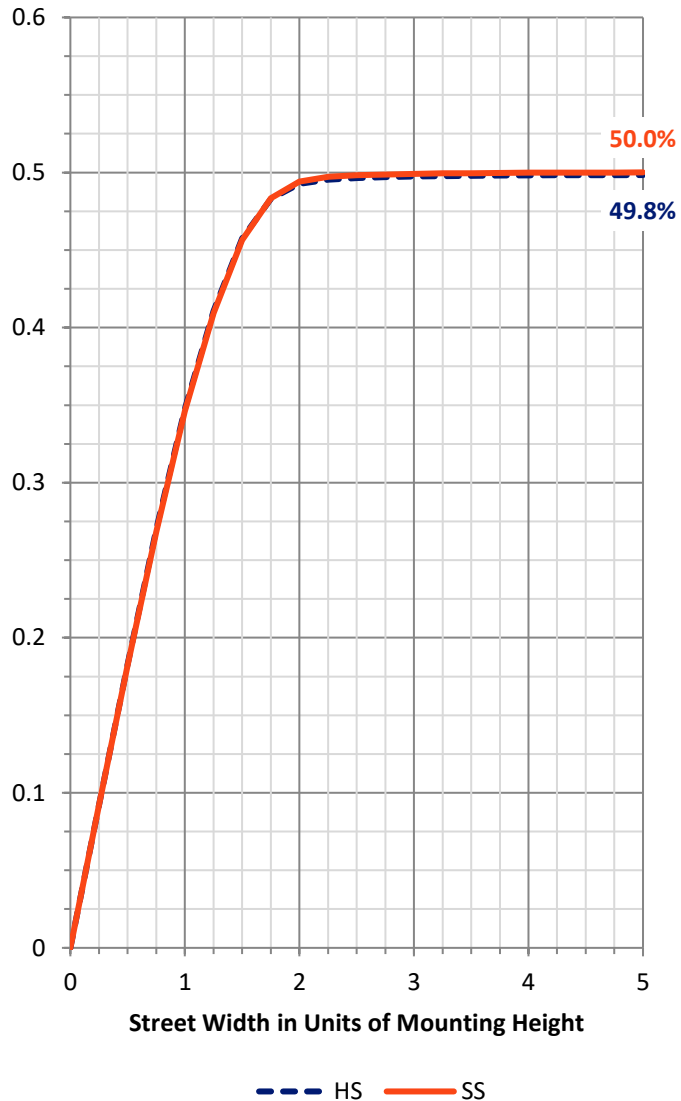
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4286.1	0.0	4286.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4286.1	0.0	4286.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8572.3	0.0	8572.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	1.4
10°-20°	353.2	4.1
20°-30°	651.9	7.6
30°-40°	1282.1	15.0
40°-50°	2088.2	24.4
50°-60°	2978.0	34.7
60°-70°	1031.1	12.0
70°-80°	55.3	0.6
80°-90°	10.4	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°	8572.3	100.0
0°-180°	8572.3	100.0

Coefficient of Utilization

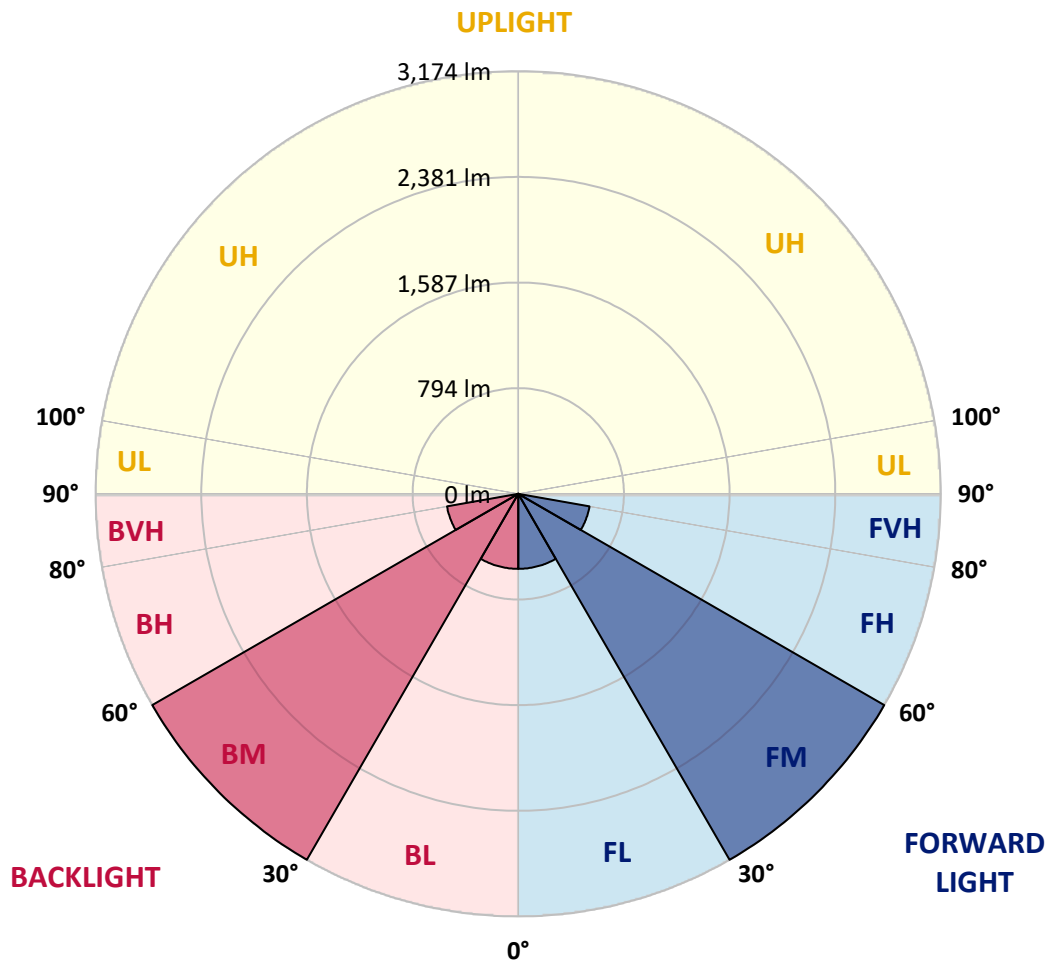


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.6	6.6			
FM (30°-60°)	3174.1	37.0			
FH (60°-80°)	543.2	6.3			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	563.6	6.6	B2/1000		
BM (30°-60°)	3174.1	37.0	B3/5000		
BH (60°-80°)	543.2	6.3	B2/1000		G0/660
BVH (80°-90°)	5.2	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°	1329.6	1329.6	1329.6	1329.6	1329.6	1329.6	1329.6	1329.6	1329.6	1329.6	1329.6
2.5°	1326.1	1333.2	1324.3	1320.7	1319.0	1319.0	1313.6	1313.6	1311.8	1313.6	1306.4
5°	1304.6	1311.8	1311.8	1310.0	1299.2	1297.5	1292.1	1288.6	1290.3	1283.2	1288.6
7.5°	1283.2	1288.6	1281.4	1279.6	1276.1	1268.9	1267.1	1251.0	1252.8	1252.8	1256.4
10°	1279.6	1277.9	1267.1	1258.2	1247.5	1245.7	1240.3	1236.7	1236.7	1234.9	1240.3
12.5°	1279.6	1270.7	1268.9	1249.2	1231.3	1238.5	1224.2	1215.3	1227.7	1231.3	1238.5
15°	1277.9	1286.8	1256.4	1247.5	1234.9	1236.7	1224.2	1215.3	1222.4	1226.0	1231.3
17.5°	1288.6	1283.2	1274.3	1256.4	1251.0	1243.9	1227.7	1220.6	1220.6	1229.5	1231.3
20°	1317.2	1302.8	1285.0	1276.1	1281.4	1272.5	1252.8	1226.0	1233.1	1240.3	1245.7
22.5°	1343.9	1333.2	1320.7	1315.4	1345.7	1331.4	1297.5	1267.1	1256.4	1268.9	1277.9
25°	1395.8	1395.8	1372.5	1379.7	1413.6	1415.4	1376.1	1322.5	1315.4	1320.7	1324.3
27.5°	1501.2	1506.6	1486.9	1494.0	1508.4	1520.9	1486.9	1442.2	1426.2	1424.4	1429.8
30°	1615.6	1626.3	1624.6	1654.9	1696.1	1703.2	1653.1	1579.9	1531.6	1522.7	1529.8
32.5°	1765.7	1771.1	1767.5	1803.2	1914.0	1965.9	1835.4	1731.8	1667.4	1683.5	1667.4
35°	2048.1	2042.8	2003.4	2010.6	2101.7	2139.2	2014.1	1948.0	1917.6	1949.8	1942.6
37.5°	2291.1	2271.5	2239.3	2285.8	2380.5	2414.5	2284.0	2167.8	2112.5	2166.0	2189.3
40°	2496.7	2446.6	2401.9	2448.4	2575.3	2621.8	2430.5	2335.8	2314.4	2353.7	2403.7
42.5°	2670.0	2637.8	2578.9	2582.5	2666.4	2687.9	2534.2	2478.8	2457.4	2519.9	2544.9
45°	2793.4	2763.0	2707.5	2704.0	2768.3	2754.0	2616.4	2578.9	2591.4	2632.5	2645.0
47.5°	2855.9	2872.0	2839.8	2848.7	2882.7	2848.7	2739.7	2739.7	2711.1	2736.1	2723.7
50°	3036.4	2986.4	3027.5	3027.5	3063.2	3066.8	2957.8	2918.5	2841.6	2798.7	2798.7
52.5°	3247.3	3250.9	3266.9	3325.9	3386.7	3438.5	3283.0	3115.0	2986.4	2930.9	2923.8
55°	3420.6	3456.4	3520.7	3631.6	3806.6	3878.1	3610.1	3309.8	3152.6	3066.8	3048.9
56°	3515.4	3481.4	3592.2	3744.1	3972.9	4065.8	3663.7	3349.1	3175.8	3079.3	3077.5
57.5°	3424.2	3461.7	3538.6	3778.1	4058.7	4180.2	3683.3	3331.3	3082.8	2984.6	2993.5
60°	2704.0	2739.7	2843.4	3111.5	3551.1	3645.8	3116.8	2746.8	2525.3	2384.1	2385.9
62.5°	1529.8	1556.6	1637.0	1885.5	2158.9	2250.0	1942.6	1696.1	1542.4	1463.7	1438.7
65°	563.0	552.2	564.8	691.6	859.7	936.5	807.8	682.7	602.3	573.7	563.0
67.5°	210.9	194.8	182.3	194.8	244.8	259.2	237.7	198.4	185.9	191.2	194.8
70°	130.4	123.3	98.3	92.9	91.1	89.3	94.7	100.1	114.4	134.0	137.6
72.5°	91.1	85.8	69.7	66.2	62.6	60.8	69.7	76.8	89.3	103.7	105.5
75°	35.7	37.5	35.7	39.3	41.1	42.9	50.0	55.4	60.8	60.8	59.0
77.5°	7.1	7.1	10.7	14.3	17.9	23.3	34.0	39.3	41.1	39.3	34.0
80°	0.0	0.0	3.6	7.1	14.3	19.7	30.4	34.0	37.5	34.0	26.8
82.5°	0.0	0.0	3.6	8.9	14.3	17.9	28.6	35.7	41.1	37.5	28.6
85°	0.0	0.0	3.6	7.1	10.7	12.5	12.5	8.9	8.9	5.3	3.6
87.5°	0.0	0.0	0.0	0.0	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)