

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: P647803

Luminaire Tested: **GALN-SA3A-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647803
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-SA3A-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 615mA 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: 6415.1 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

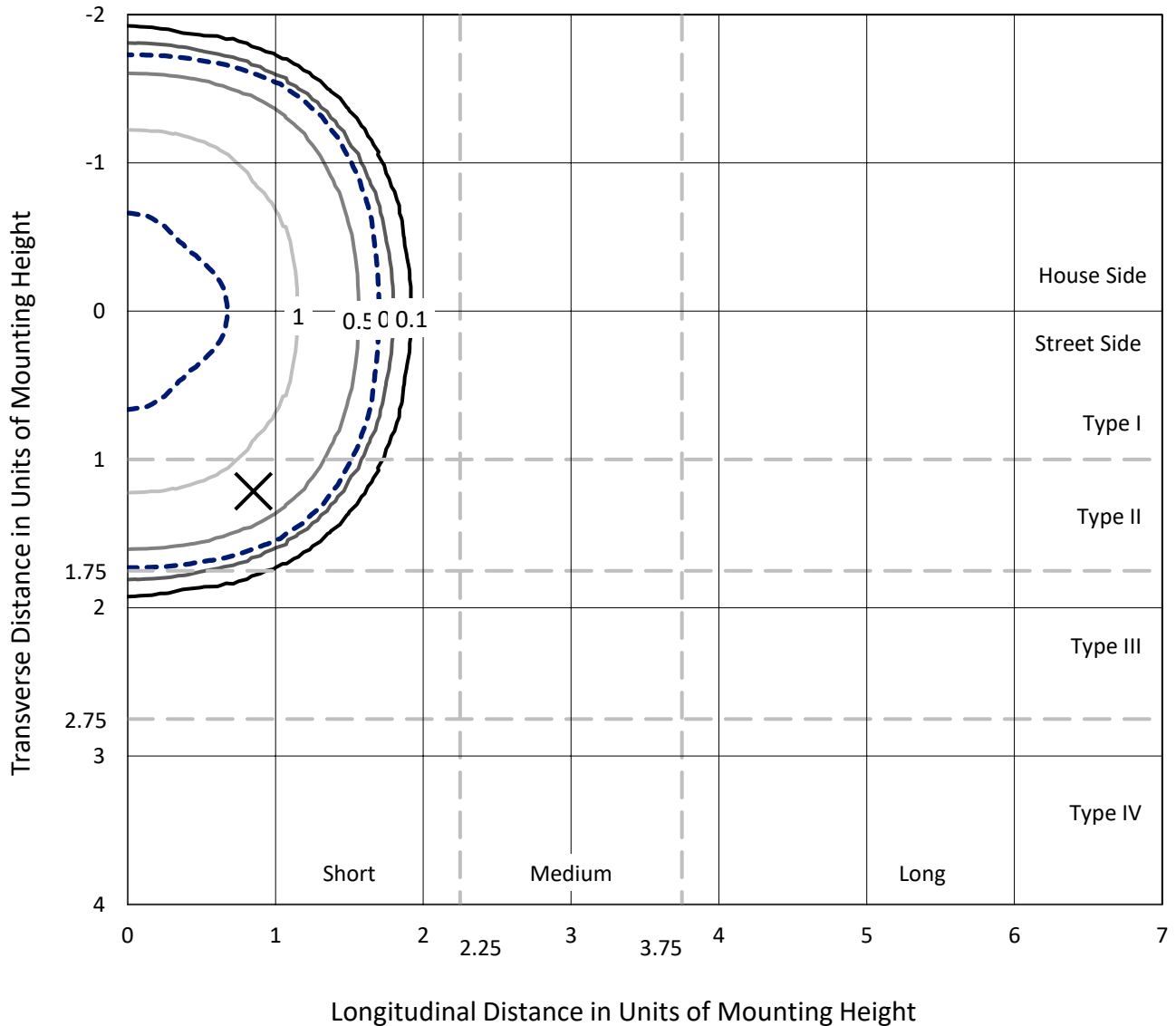
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647803
 CATALOG NUMBER: GALN-SA3A-835-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

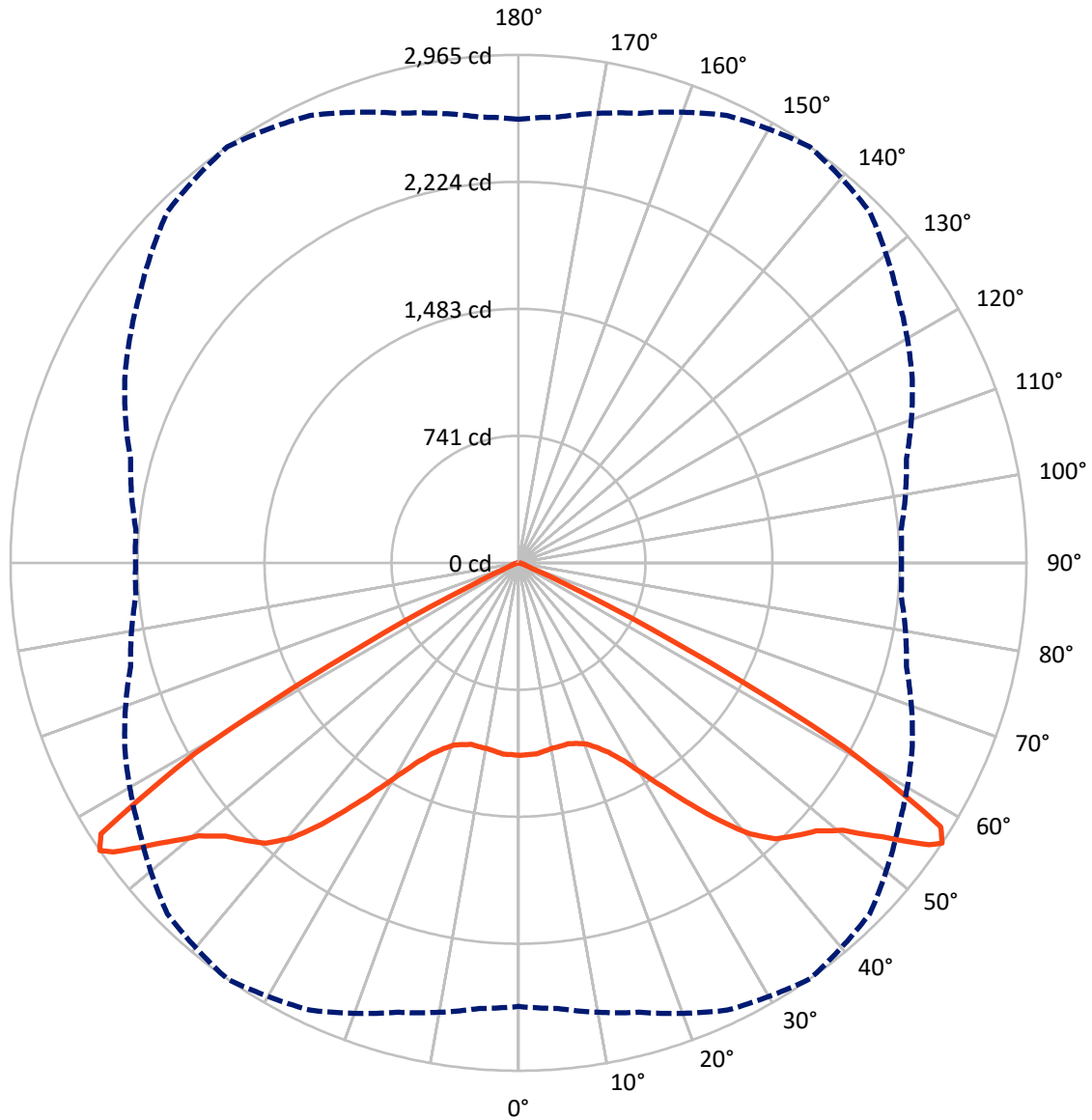
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

REPORT NUMBER: P647803
CATALOG NUMBER: GALN-SA3A-835-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P647803
 CATALOG NUMBER: GALN-SA3A-835-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3207.6	0.0	3207.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3207.6	0.0	3207.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6415.1	0.0	6415.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	1.6
10°-20°	308.4	4.8
20°-30°	558.5	8.7
30°-40°	1035.7	16.1
40°-50°	1700.1	26.5
50°-60°	2190.2	34.1
60°-70°	482.7	7.5
70°-80°	28.0	0.4
80°-90°	5.9	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°	6415.1	100.0
0°-180°	6415.1	100.0

Coefficient of Utilization

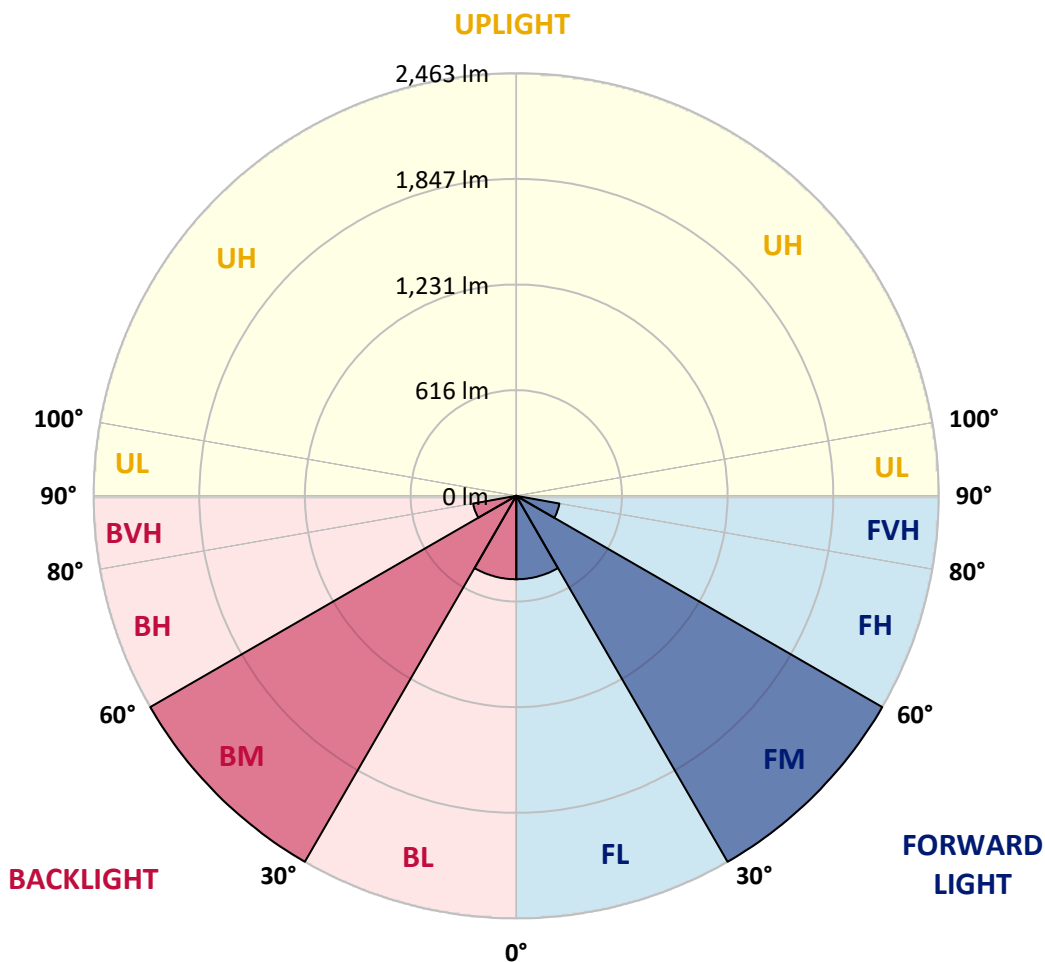


REPORT NUMBER: P647803
 CATALOG NUMBER: GALN-SA3A-835-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.3	7.6			
FM (30°-60°)	2463.0	38.4			
FH (60°-80°)	255.3	4.0			G0/660
FVH (80°-90°)	2.9	0.0			G0/10
BL (0°-30°)	486.3	7.6	B1/500		
BM (30°-60°)	2463.0	38.4	B2/2500		
BH (60°-80°)	255.3	4.0	B1/500		G0/660
BVH (80°-90°)	2.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





REPORT NUMBER: P647803

CATALOG NUMBER: GALN-SA3A-835-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1	1124.1
2.5°	1126.4	1126.4	1127.5	1128.7	1120.6	1117.1	1118.3	1115.9	1114.8	1118.3	1118.3
5°	1122.9	1122.9	1119.5	1120.6	1120.6	1110.1	1110.1	1112.4	1112.4	1105.4	1103.2
7.5°	1113.6	1111.3	1106.6	1112.4	1109.0	1109.0	1100.8	1095.0	1092.7	1097.3	1092.7
10°	1093.9	1095.0	1099.6	1102.0	1099.6	1106.6	1092.7	1084.5	1076.4	1072.9	1072.9
12.5°	1084.5	1091.5	1084.5	1090.3	1098.5	1092.7	1084.5	1078.7	1067.1	1062.5	1062.5
15°	1083.4	1088.1	1090.3	1098.5	1095.0	1097.3	1081.1	1074.1	1056.7	1048.5	1045.0
17.5°	1082.2	1088.1	1091.5	1106.6	1109.0	1110.1	1097.3	1076.4	1061.3	1053.1	1045.0
20°	1095.0	1097.3	1104.3	1119.5	1128.7	1145.0	1121.7	1099.6	1067.1	1057.8	1054.3
22.5°	1111.3	1122.9	1129.9	1146.2	1170.6	1184.5	1154.3	1126.4	1092.7	1081.1	1067.1
25°	1163.6	1161.3	1172.9	1206.6	1226.3	1236.8	1212.4	1171.8	1127.5	1113.6	1115.9
27.5°	1228.7	1231.0	1241.4	1278.6	1307.8	1324.0	1294.9	1241.4	1198.5	1175.2	1172.9
30°	1313.6	1311.2	1322.9	1372.8	1425.1	1449.6	1398.4	1335.6	1293.8	1263.5	1270.5
32.5°	1403.1	1404.2	1436.7	1482.1	1566.9	1614.6	1532.1	1455.4	1392.6	1371.7	1361.2
35°	1535.5	1541.4	1566.9	1636.7	1730.8	1792.4	1701.8	1609.9	1537.9	1499.5	1504.1
37.5°	1699.5	1693.6	1736.7	1812.3	1911.1	1956.3	1879.7	1775.1	1701.8	1676.2	1692.5
40°	1873.8	1879.7	1901.8	1970.3	2080.7	2111.0	1997.0	1940.1	1876.1	1863.4	1883.1
42.5°	2048.2	2044.7	2061.0	2122.6	2202.8	2181.9	2114.5	2080.7	2035.4	2009.8	2036.6
45°	2176.0	2170.2	2200.5	2242.4	2271.4	2231.9	2201.6	2190.1	2166.8	2138.8	2163.3
47.5°	2300.5	2295.8	2324.9	2336.5	2338.8	2286.5	2292.3	2313.2	2255.1	2197.0	2224.9
50°	2406.2	2398.1	2434.1	2459.7	2453.9	2370.2	2391.1	2370.2	2279.5	2211.0	2200.5
52.5°	2582.9	2586.4	2624.8	2671.3	2657.3	2587.6	2557.4	2462.0	2345.8	2284.2	2248.1
55°	2694.5	2677.1	2743.3	2891.0	2907.2	2835.2	2701.5	2560.8	2386.4	2310.9	2301.6
56°	2589.9	2612.0	2716.6	2881.7	2965.4	2899.1	2705.0	2536.5	2344.6	2242.4	2235.3
57.5°	2323.7	2312.0	2453.9	2679.4	2907.2	2879.3	2609.7	2362.1	2138.8	2023.8	2009.8
60°	1446.0	1479.8	1604.1	1883.1	2187.7	2201.6	1934.2	1721.6	1461.2	1358.9	1383.3
62.5°	566.1	537.1	614.9	823.0	1032.2	1078.7	977.6	812.5	667.2	566.1	559.1
65°	131.4	127.9	144.2	198.8	277.8	322.0	305.7	219.7	161.6	153.5	141.8
67.5°	74.4	74.4	70.9	70.9	77.9	82.5	79.1	77.9	81.4	84.9	83.7
70°	52.3	51.1	48.9	50.0	47.7	47.7	51.1	56.9	61.6	61.6	62.8
72.5°	31.4	31.4	31.4	34.8	34.8	34.8	38.4	43.0	44.2	43.0	41.8
75°	13.9	13.9	16.3	19.7	22.1	23.3	26.7	29.0	31.4	29.0	26.7
77.5°	3.5	3.5	5.8	8.1	10.5	12.8	17.5	20.9	22.1	20.9	17.5
80°	1.2	1.2	2.3	5.8	10.5	12.8	17.5	18.6	19.7	17.5	13.9
82.5°	1.2	1.2	2.3	5.8	8.1	10.5	13.9	16.3	17.5	15.1	13.9
85°	0.0	1.2	2.3	4.6	7.0	9.3	9.3	7.0	5.8	3.5	4.6
87.5°	0.0	0.0	1.2	1.2	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)