

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: P527259

Luminaire Tested: **GALN-SA2B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527259
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-SA2B-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 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: 6397 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

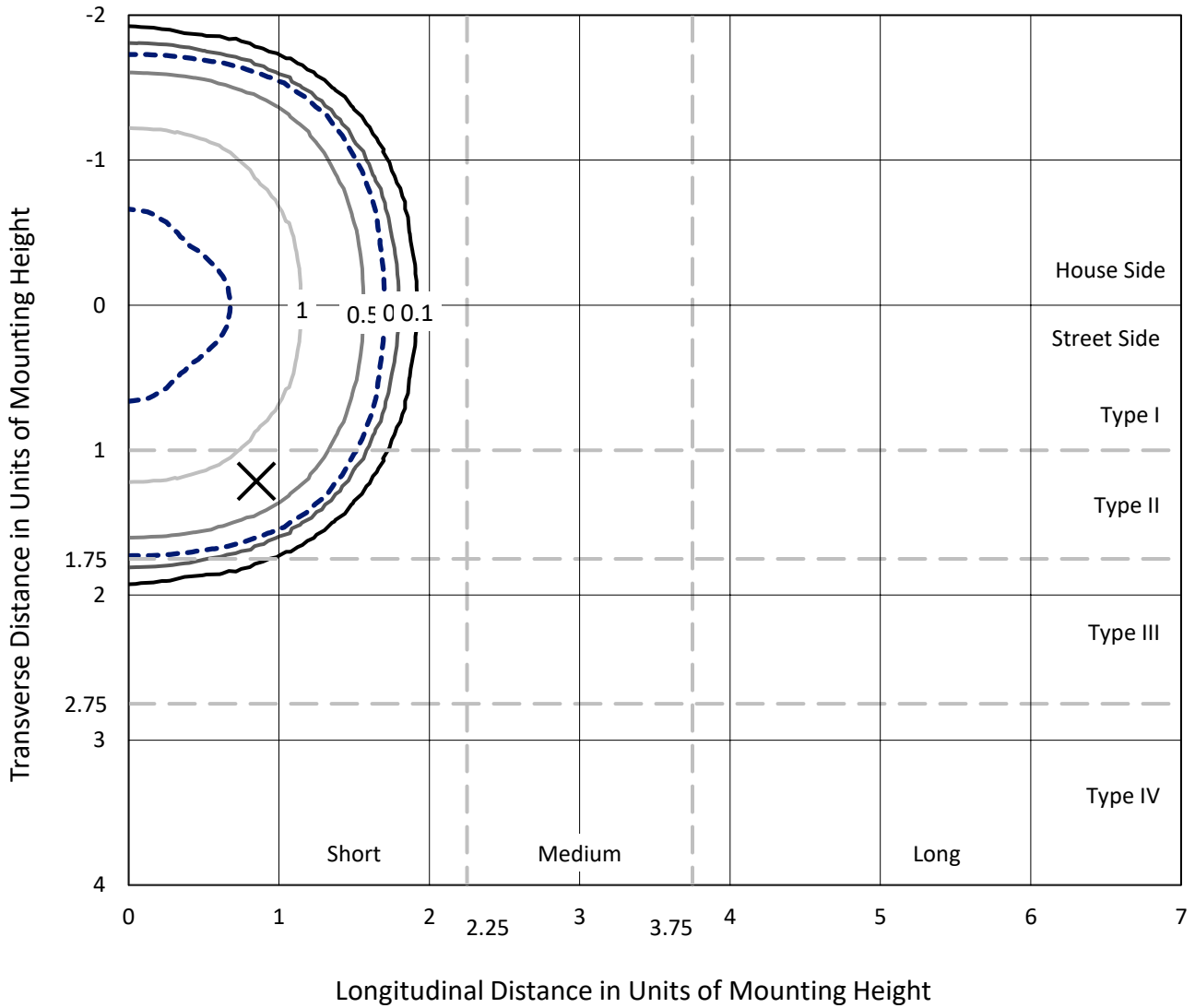
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527259
 CATALOG NUMBER: GALN-SA2B-735-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

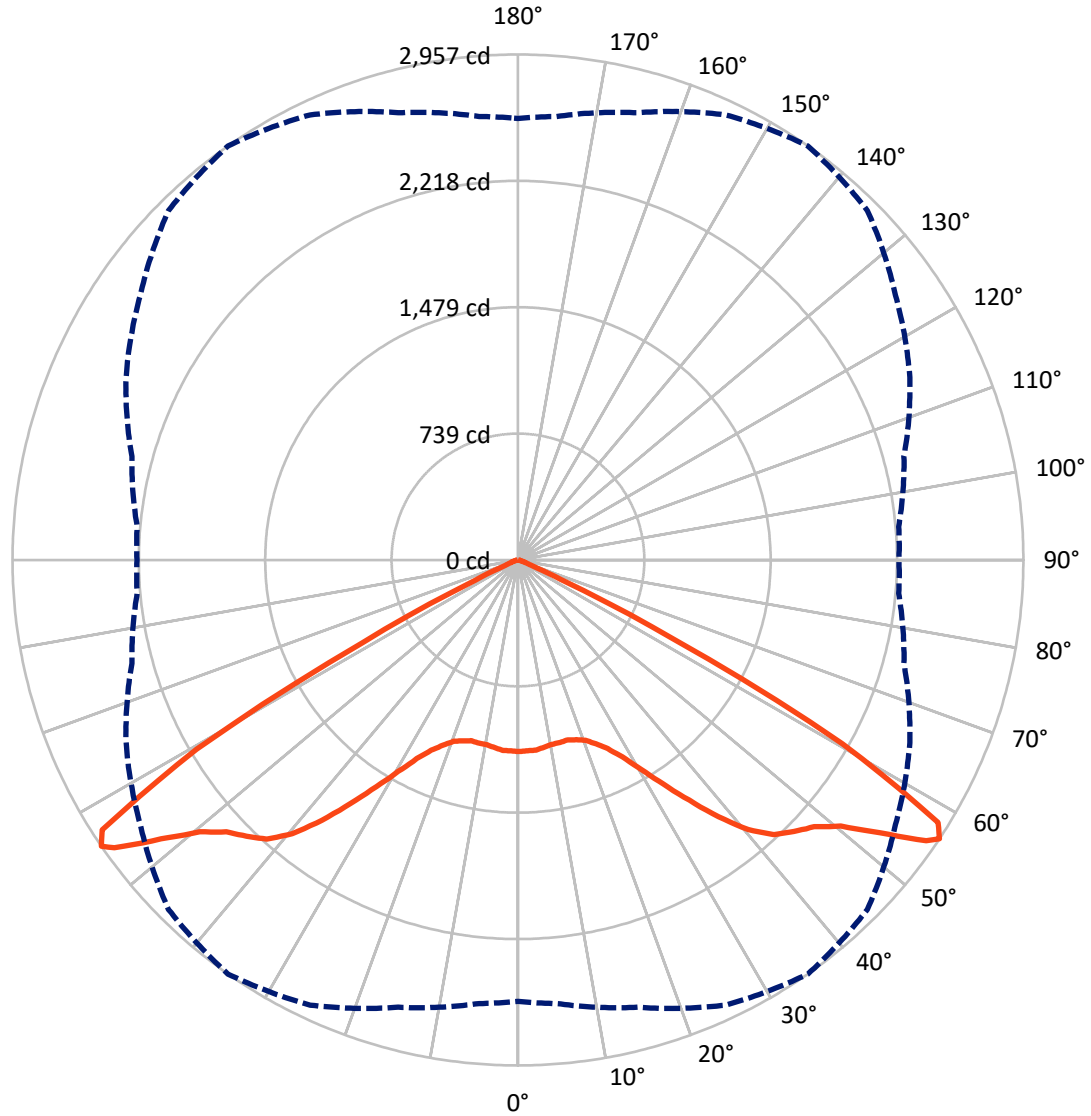
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P527259
CATALOG NUMBER: GALN-SA2B-735-U-5MQ-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P527259
 CATALOG NUMBER: GALN-SA2B-735-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3198.5	0.0	3198.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3198.5	0.0	3198.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6397.0	0.0	6397.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.6
10°-20°	307.6	4.8
20°-30°	557.0	8.7
30°-40°	1032.8	16.1
40°-50°	1695.2	26.5
50°-60°	2184.0	34.1
60°-70°	481.3	7.5
70°-80°	27.9	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°	6397.0	100.0
0°-180°	6397.0	100.0

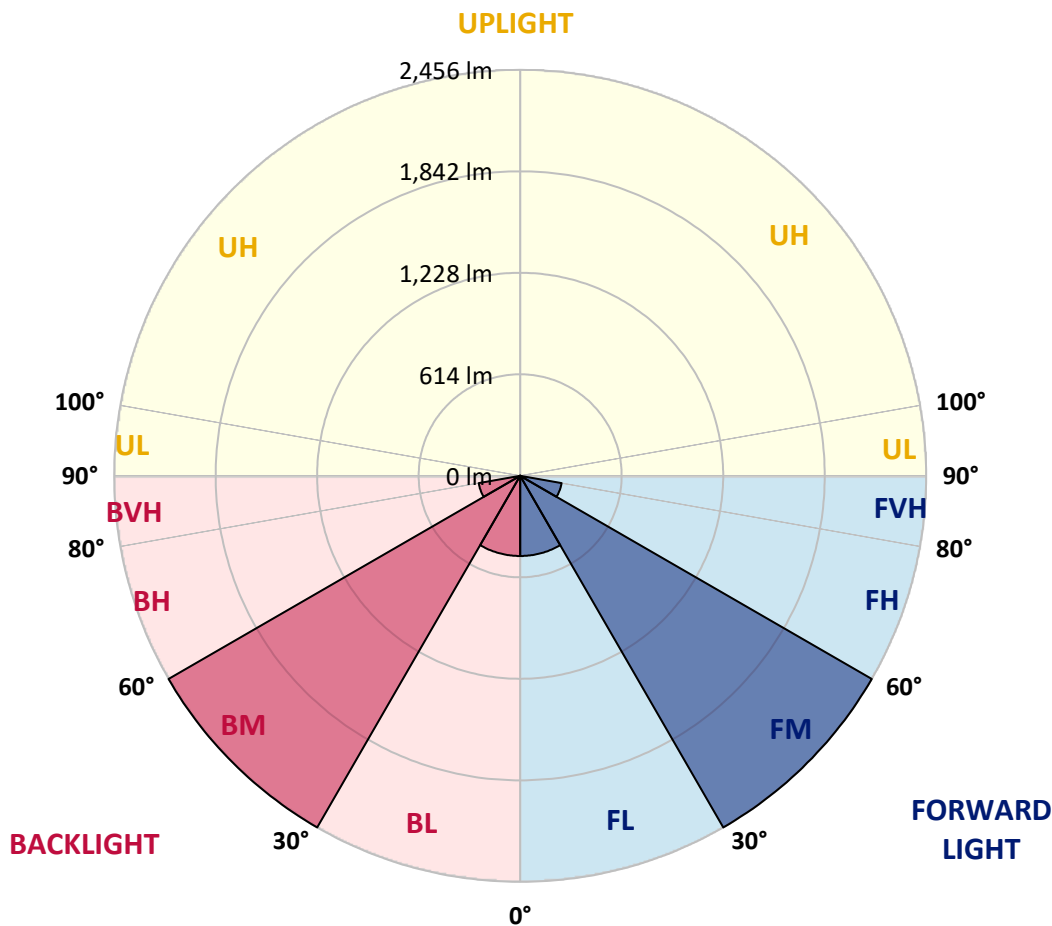


REPORT NUMBER: P527259
 CATALOG NUMBER: GALN-SA2B-735-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	484.9	7.6			
FM (30°-60°)	2456.0	38.4			
FH (60°-80°)	254.6	4.0			G0/660
FVH (80°-90°)	2.9	0.0			G0/10
BL (0°-30°)	484.9	7.6	B1/500		
BM (30°-60°)	2456.0	38.4	B2/2500		
BH (60°-80°)	254.6	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: P527259

CATALOG NUMBER: GALN-SA2B-735-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1120.9	1120.9	1120.9	1120.9	1120.9	1120.9	1120.9	1120.9	1120.9	1120.9	1120.9
2.5°	1123.2	1123.2	1124.4	1125.5	1117.4	1113.9	1115.1	1112.8	1111.6	1115.1	1115.1
5°	1119.7	1119.7	1116.3	1117.4	1117.4	1107.0	1107.0	1109.3	1109.3	1102.3	1100.0
7.5°	1110.5	1108.1	1103.5	1109.3	1105.8	1105.8	1097.7	1091.9	1089.6	1094.2	1089.6
10°	1090.8	1091.9	1096.5	1098.9	1096.5	1103.5	1089.6	1081.5	1073.4	1069.9	1069.9
12.5°	1081.5	1088.4	1081.5	1087.3	1095.4	1089.6	1081.5	1075.7	1064.1	1059.5	1059.5
15°	1080.3	1085.0	1087.3	1095.4	1091.9	1094.2	1078.0	1071.0	1053.7	1045.5	1042.1
17.5°	1079.2	1085.0	1088.4	1103.5	1105.8	1107.0	1094.2	1073.4	1058.3	1050.2	1042.1
20°	1091.9	1094.2	1101.2	1116.3	1125.5	1141.8	1118.6	1096.5	1064.1	1054.8	1051.3
22.5°	1108.1	1119.7	1126.7	1142.9	1167.3	1181.2	1151.0	1123.2	1089.6	1078.0	1064.1
25°	1160.3	1158.0	1169.6	1203.2	1222.9	1233.3	1209.0	1168.4	1124.4	1110.5	1112.8
27.5°	1225.2	1227.5	1238.0	1275.1	1304.0	1320.3	1291.3	1238.0	1195.1	1171.9	1169.6
30°	1309.8	1307.5	1319.1	1368.9	1421.1	1445.5	1394.4	1331.9	1290.1	1260.0	1266.9
32.5°	1399.1	1400.2	1432.7	1477.9	1562.5	1610.1	1527.8	1451.2	1388.7	1367.8	1357.4
35°	1531.2	1537.0	1562.5	1632.1	1726.0	1787.4	1697.0	1605.4	1533.5	1495.3	1499.9
37.5°	1694.7	1688.9	1731.8	1807.1	1905.6	1950.8	1874.3	1770.0	1697.0	1671.5	1687.7
40°	1868.5	1874.3	1896.4	1964.7	2074.9	2105.0	1991.4	1934.6	1870.9	1858.1	1877.8
42.5°	2042.4	2038.9	2055.2	2116.6	2196.6	2175.7	2108.5	2074.9	2029.7	2004.2	2030.8
45°	2169.9	2164.1	2194.3	2236.0	2265.0	2225.6	2195.4	2183.8	2160.6	2132.8	2157.2
47.5°	2293.9	2289.3	2318.3	2329.9	2332.2	2280.0	2285.8	2306.7	2248.7	2190.8	2218.6
50°	2399.4	2391.3	2427.2	2452.7	2447.0	2363.5	2384.4	2363.5	2273.1	2204.7	2194.3
52.5°	2575.6	2579.1	2617.3	2663.7	2649.8	2580.3	2550.1	2455.1	2339.2	2277.7	2241.8
55°	2686.9	2669.5	2735.6	2882.8	2899.0	2827.2	2693.8	2553.6	2379.7	2304.4	2295.1
56°	2582.6	2604.6	2708.9	2873.5	2957.0	2890.9	2697.3	2529.3	2338.0	2236.0	2229.0
57.5°	2317.1	2305.5	2447.0	2671.8	2899.0	2871.2	2602.3	2355.4	2132.8	2018.1	2004.2
60°	1442.0	1475.6	1599.6	1877.8	2181.5	2195.4	1928.8	1716.7	1457.0	1355.0	1379.4
62.5°	564.5	535.5	613.2	820.7	1029.3	1075.7	974.8	810.2	665.3	564.5	557.5
65°	131.0	127.5	143.7	198.2	277.0	321.1	304.9	219.1	161.1	153.0	141.4
67.5°	74.2	74.2	70.7	70.7	77.7	82.3	78.8	77.7	81.1	84.6	83.5
70°	52.2	51.0	48.7	49.8	47.5	47.5	51.0	56.8	61.4	61.4	62.6
72.5°	31.3	31.3	31.3	34.8	34.8	34.8	38.3	42.9	44.0	42.9	41.7
75°	13.9	13.9	16.2	19.7	22.0	23.2	26.7	29.0	31.3	29.0	26.7
77.5°	3.5	3.5	5.8	8.1	10.4	12.8	17.4	20.9	22.0	20.9	17.4
80°	1.2	1.2	2.3	5.8	10.4	12.8	17.4	18.5	19.7	17.4	13.9
82.5°	1.2	1.2	2.3	5.8	8.1	10.4	13.9	16.2	17.4	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)