

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: P527623

Luminaire Tested: **GALN-SA2C-830-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527623
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-SA2C-830-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA 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: 6742 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 108
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



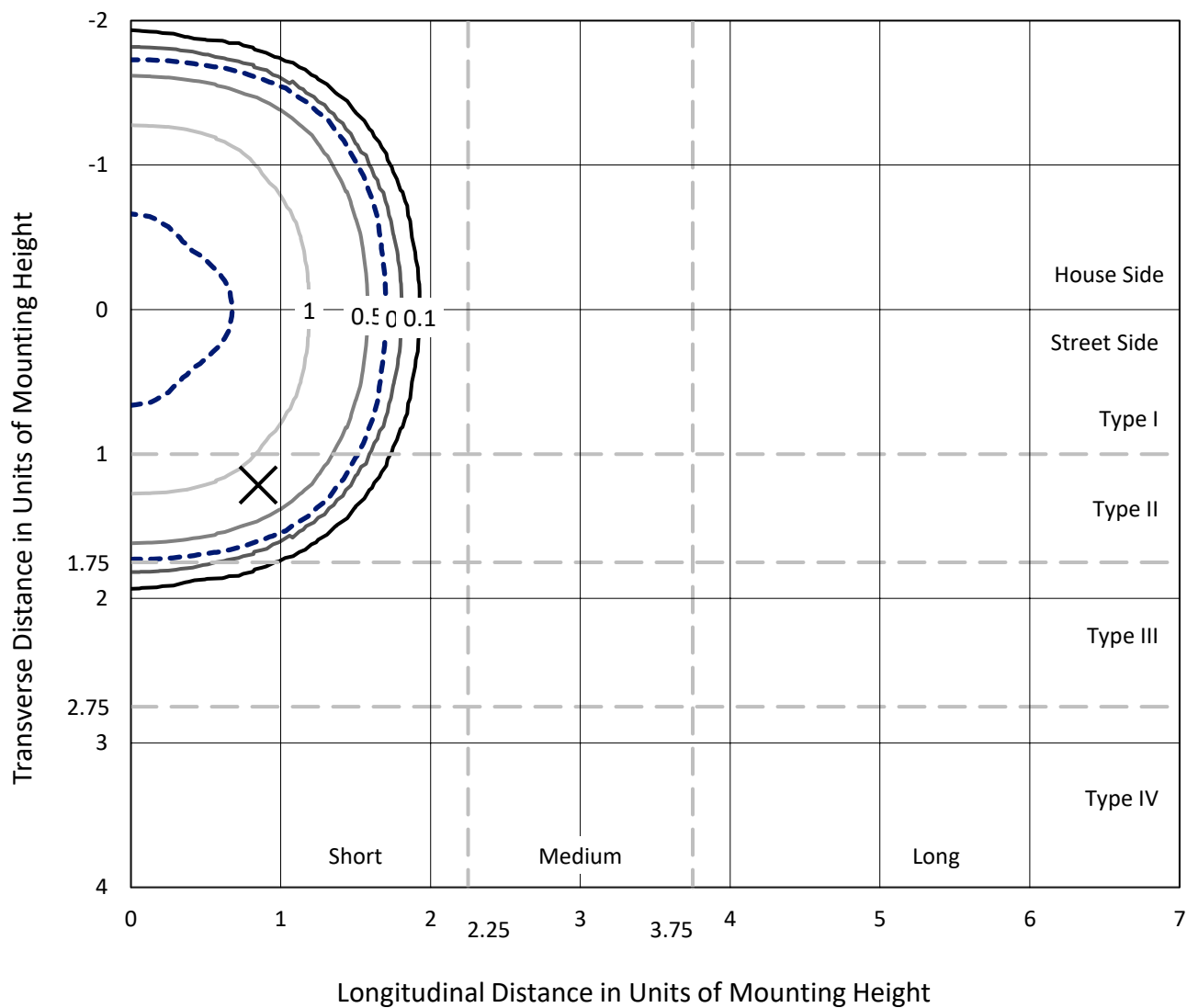
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

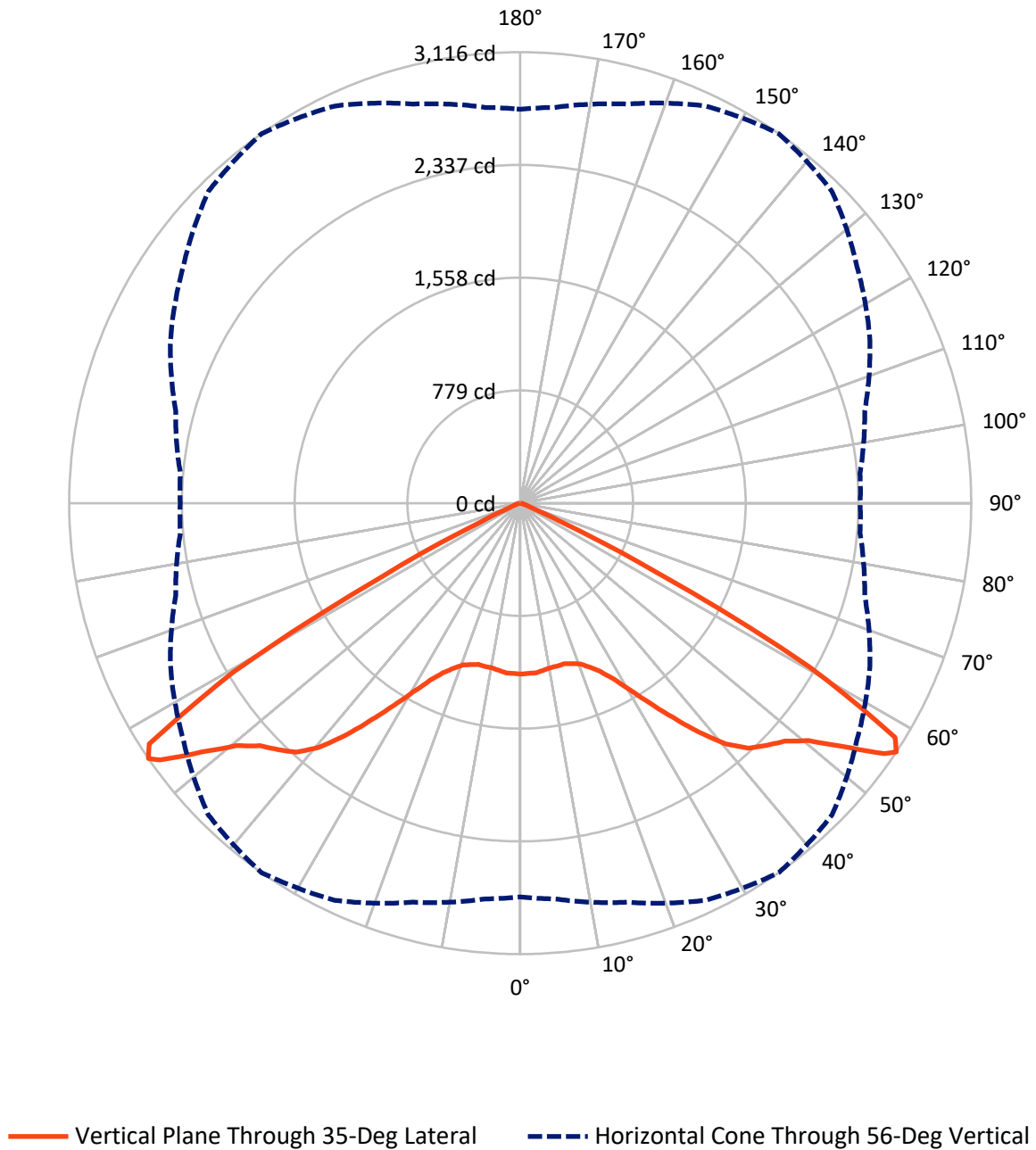


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3371.0	0.0	3371.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3371.0	0.0	3371.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6742.0	0.0	6742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	1.6
10°-20°	324.1	4.8
20°-30°	587.0	8.7
30°-40°	1088.5	16.1
40°-50°	1786.7	26.5
50°-60°	2301.8	34.1
60°-70°	507.3	7.5
70°-80°	29.4	0.4
80°-90°	6.2	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°	6742.0	100.0
0°-180°	6742.0	100.0

Coefficient of Utilization



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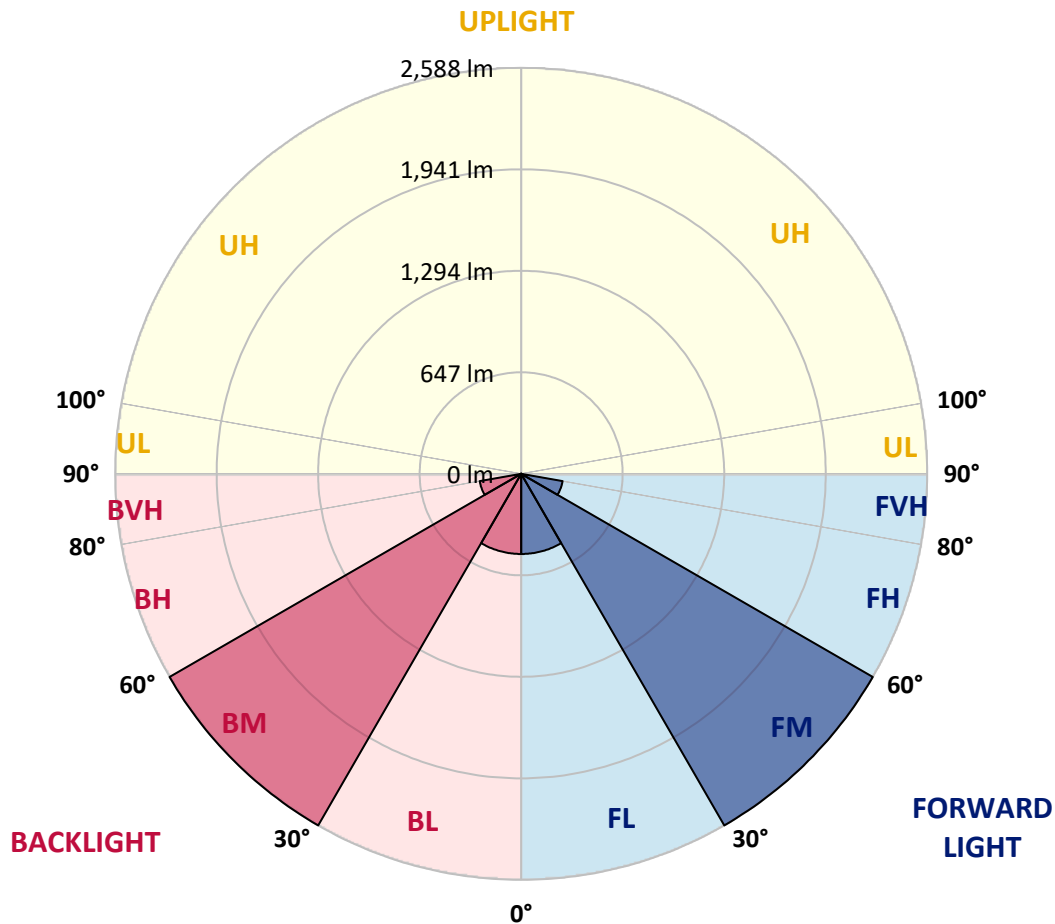
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	511.1	7.6			
FM	(30°-60°)	2588.5	38.4			
FH	(60°-80°)	268.4	4.0			G0/660
FVH	(80°-90°)	3.1	0.0			G0/10
BL	(0°-30°)	511.1	7.6	B2/1000		
BM	(30°-60°)	2588.5	38.4	B3/5000		
BH	(60°-80°)	268.4	4.0	B1/500		G0/660
BVH	(80°-90°)	3.1	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°	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3
2.5°	1183.8	1183.8	1185.0	1186.2	1177.7	1174.0	1175.2	1172.8	1171.6	1175.2	1175.2
5°	1180.1	1180.1	1176.5	1177.7	1177.7	1166.7	1166.7	1169.1	1169.1	1161.8	1159.4
7.5°	1170.3	1167.9	1163.0	1169.1	1165.5	1165.5	1156.9	1150.8	1148.4	1153.2	1148.4
10°	1149.6	1150.8	1155.7	1158.1	1155.7	1163.0	1148.4	1139.8	1131.3	1127.6	1127.6
12.5°	1139.8	1147.1	1139.8	1145.9	1154.5	1148.4	1139.8	1133.7	1121.5	1116.6	1116.6
15°	1138.6	1143.5	1145.9	1154.5	1150.8	1153.2	1136.1	1128.8	1110.5	1101.9	1098.3
17.5°	1137.4	1143.5	1147.1	1163.0	1165.5	1166.7	1153.2	1131.3	1115.4	1106.8	1098.3
20°	1150.8	1153.2	1160.6	1176.5	1186.2	1203.3	1178.9	1155.7	1121.5	1111.7	1108.0
22.5°	1167.9	1180.1	1187.5	1204.6	1230.2	1244.9	1213.1	1183.8	1148.4	1136.1	1121.5
25°	1222.9	1220.4	1232.7	1268.1	1288.8	1299.8	1274.2	1231.4	1185.0	1170.3	1172.8
27.5°	1291.3	1293.7	1304.7	1343.8	1374.4	1391.5	1360.9	1304.7	1259.5	1235.1	1232.7
30°	1380.5	1378.0	1390.2	1442.8	1497.8	1523.4	1469.7	1403.7	1359.7	1327.9	1335.3
32.5°	1474.5	1475.8	1510.0	1557.6	1646.8	1696.9	1610.1	1529.5	1463.5	1441.6	1430.6
35°	1613.8	1619.9	1646.8	1720.1	1819.0	1883.8	1788.5	1692.0	1616.3	1575.9	1580.8
37.5°	1786.1	1780.0	1825.2	1904.6	2008.4	2056.1	1975.4	1865.5	1788.5	1761.6	1778.7
40°	1969.3	1975.4	1998.6	2070.7	2186.8	2218.5	2098.8	2038.9	1971.8	1958.3	1979.1
42.5°	2152.6	2148.9	2166.0	2230.7	2315.0	2293.1	2222.2	2186.8	2139.1	2112.2	2140.3
45°	2286.9	2280.8	2312.6	2356.6	2387.1	2345.6	2313.8	2301.6	2277.2	2247.9	2273.5
47.5°	2417.7	2412.8	2443.3	2455.5	2458.0	2403.0	2409.1	2431.1	2370.0	2308.9	2338.3
50°	2528.8	2520.3	2558.2	2585.0	2578.9	2491.0	2513.0	2491.0	2395.7	2323.6	2312.6
52.5°	2714.5	2718.2	2758.5	2807.4	2792.7	2719.4	2687.6	2587.5	2465.3	2400.6	2362.7
55°	2831.8	2813.5	2883.1	3038.3	3055.4	2979.6	2839.1	2691.3	2508.1	2428.7	2418.9
56°	2721.9	2745.1	2855.0	3028.5	3116.4	3046.8	2842.8	2665.7	2464.1	2356.6	2349.2
57.5°	2442.1	2429.9	2578.9	2815.9	3055.4	3026.0	2742.6	2482.4	2247.9	2126.9	2112.2
60°	1519.7	1555.2	1685.9	1979.1	2299.2	2313.8	2032.8	1809.3	1535.6	1428.1	1453.8
62.5°	594.9	564.4	646.3	864.9	1084.8	1133.7	1027.4	853.9	701.2	594.9	587.6
65°	138.0	134.4	151.5	208.9	292.0	338.4	321.3	230.9	169.8	161.3	149.0
67.5°	78.2	78.2	74.5	74.5	81.9	86.7	83.1	81.9	85.5	89.2	88.0
70°	55.0	53.8	51.3	52.5	50.1	50.1	53.8	59.9	64.7	64.7	66.0
72.5°	33.0	33.0	33.0	36.6	36.6	36.6	40.3	45.2	46.4	45.2	44.0
75°	14.7	14.7	17.1	20.8	23.2	24.4	28.1	30.5	33.0	30.5	28.1
77.5°	3.7	3.7	6.1	8.6	11.0	13.4	18.3	22.0	23.2	22.0	18.3
80°	1.2	1.2	2.4	6.1	11.0	13.4	18.3	19.5	20.8	18.3	14.7
82.5°	1.2	1.2	2.4	6.1	8.6	11.0	14.7	17.1	18.3	15.9	14.7
85°	0.0	1.2	2.4	4.9	7.3	9.8	9.8	7.3	6.1	3.7	4.9
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)