

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: P528329

Luminaire Tested: **GALN-SA3B-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528329
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-SA3B-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA 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: 7041 lumens
Efficiency: N/A
Efficacy: 58.2 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

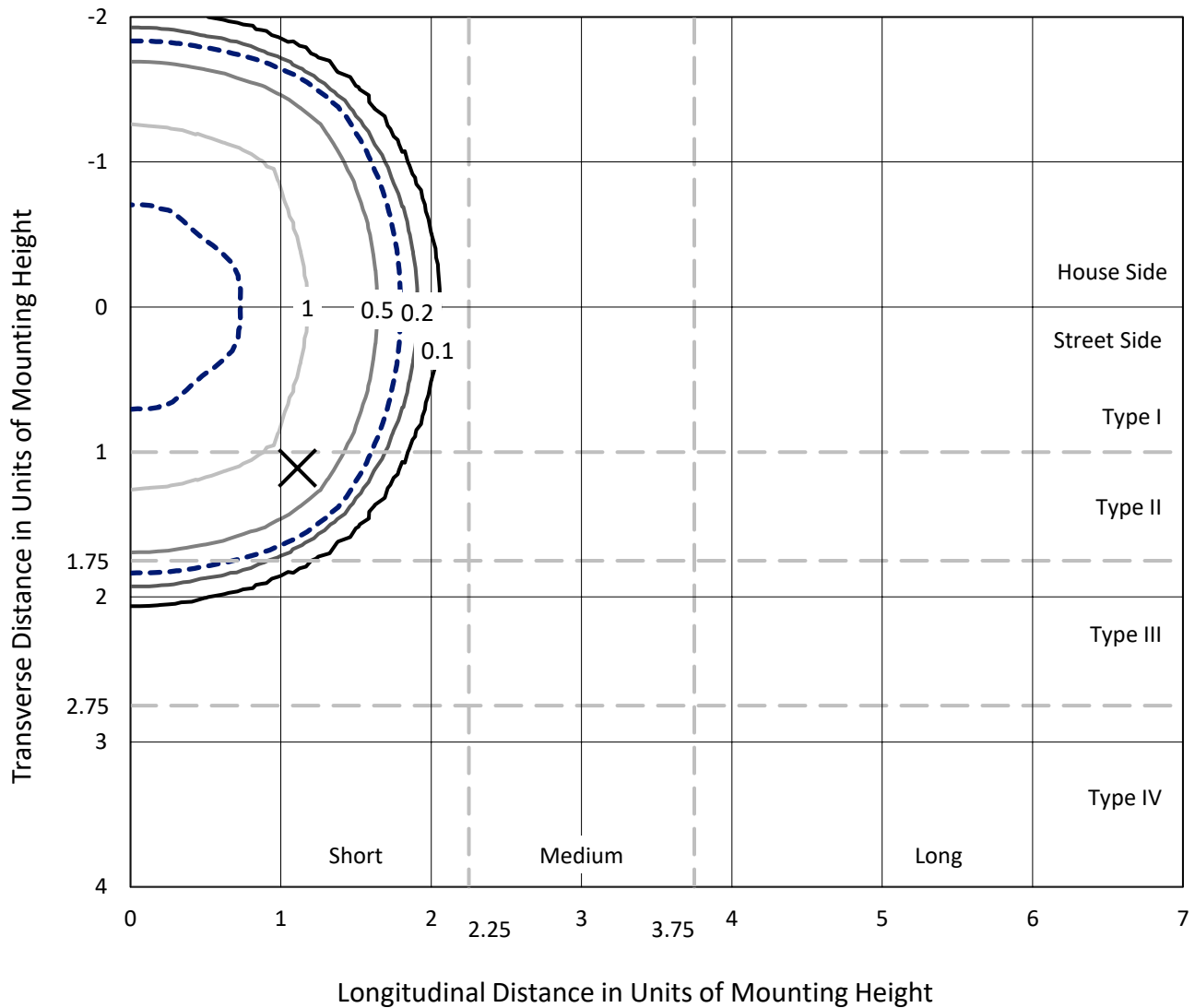


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Iso-Footcandle Lines of Horizontal Illumination

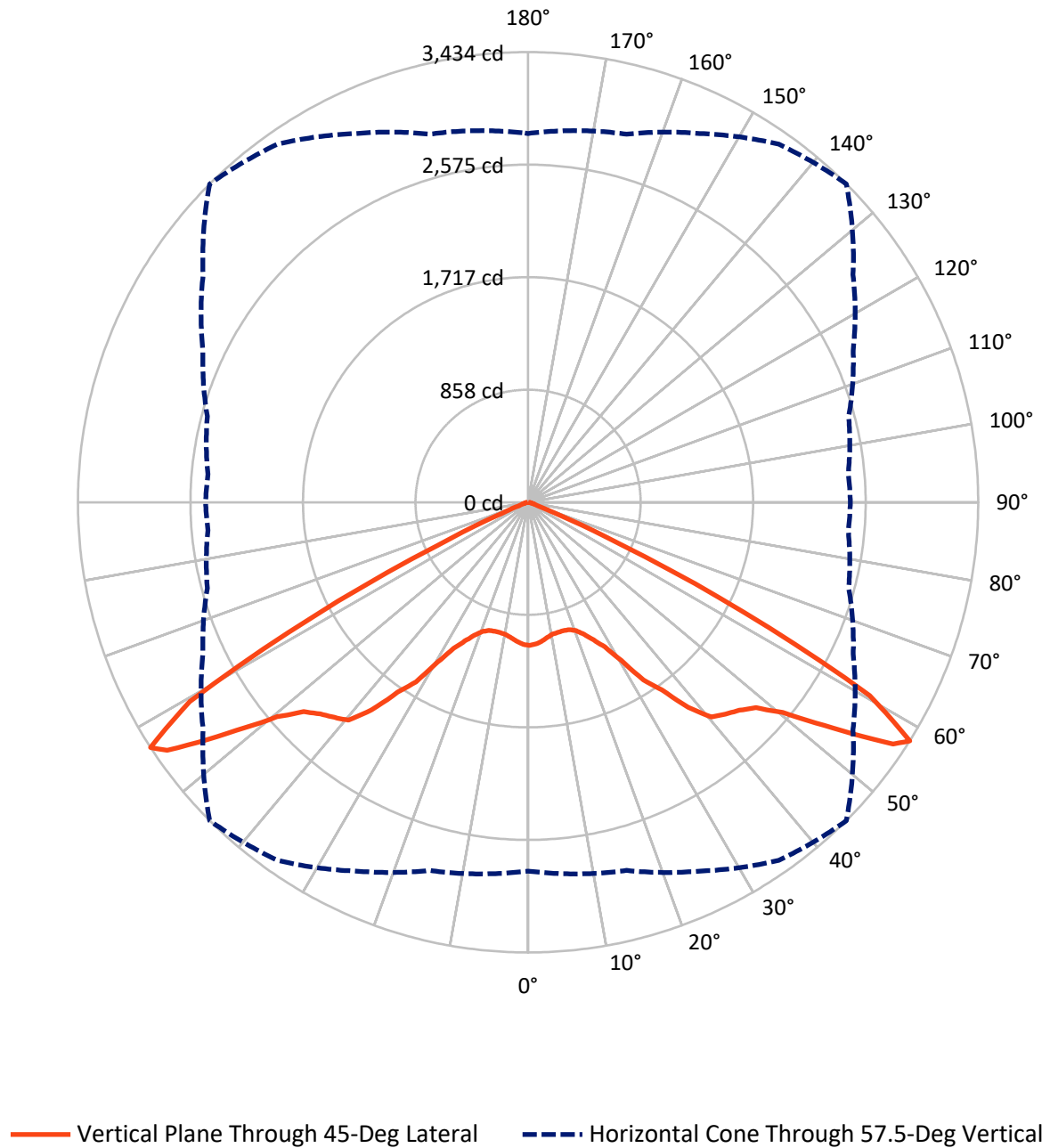
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	3520.5	0.0	3520.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3520.5	0.0	3520.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7041.0	0.0	7041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	1.4
10°-20°	290.1	4.1
20°-30°	535.5	7.6
30°-40°	1053.1	15.0
40°-50°	1715.2	24.4
50°-60°	2446.0	34.7
60°-70°	846.9	12.0
70°-80°	45.4	0.6
80°-90°	8.5	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°	7041.0	100.0
0°-180°	7041.0	100.0

Coefficient of Utilization



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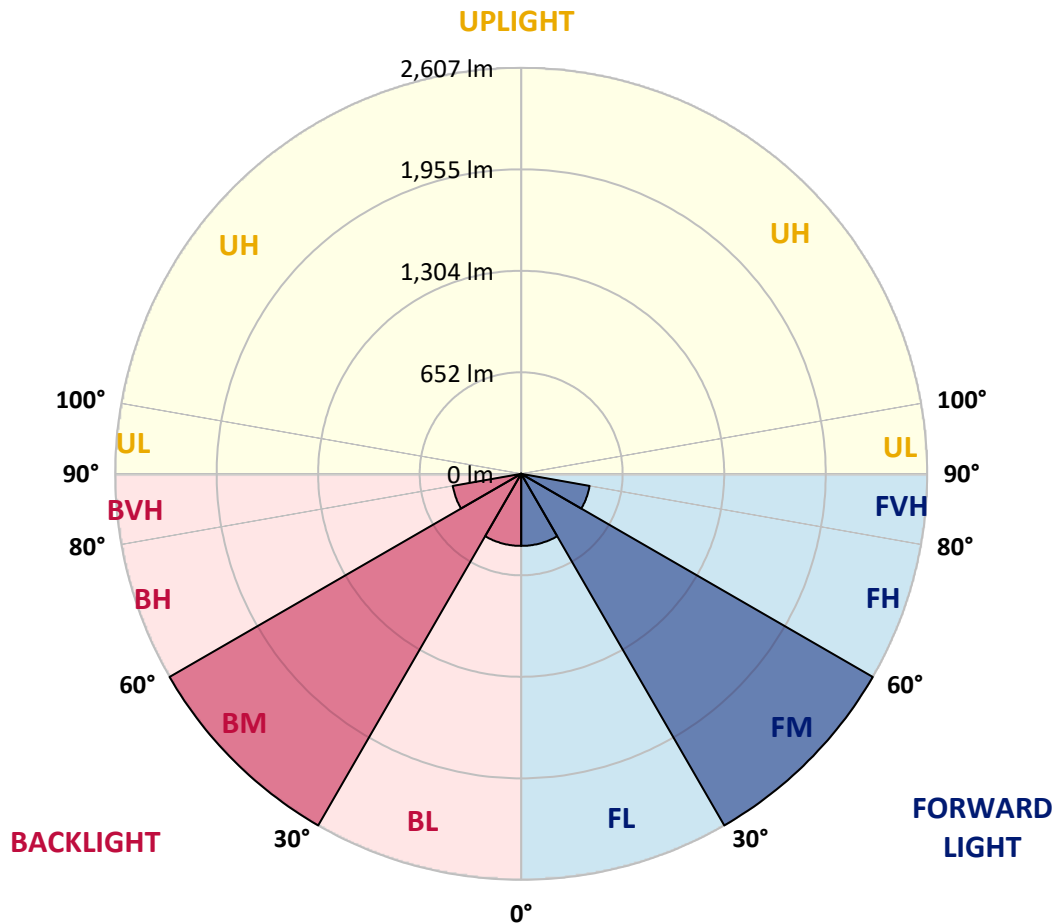
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.0	6.6			
FM	(30°-60°)	2607.1	37.0			
FH	(60°-80°)	446.2	6.3			G0/660
FVH	(80°-90°)	4.3	0.1			G0/10
BL	(0°-30°)	463.0	6.6	B1/500		
BM	(30°-60°)	2607.1	37.0	B3/5000		
BH	(60°-80°)	446.2	6.3	B1/500		G0/660
BVH	(80°-90°)	4.3	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°	1092.1	1092.1	1092.1	1092.1	1092.1	1092.1	1092.1	1092.1	1092.1	1092.1	1092.1
2.5°	1089.2	1095.1	1087.7	1084.8	1083.3	1083.3	1078.9	1078.9	1077.5	1078.9	1073.0
5°	1071.6	1077.5	1077.5	1076.0	1067.2	1065.7	1061.3	1058.4	1059.8	1054.0	1058.4
7.5°	1054.0	1058.4	1052.5	1051.0	1048.1	1042.2	1040.8	1027.5	1029.0	1029.0	1031.9
10°	1051.0	1049.6	1040.8	1033.4	1024.6	1023.1	1018.7	1015.8	1015.8	1014.3	1018.7
12.5°	1051.0	1043.7	1042.2	1026.1	1011.4	1017.3	1005.5	998.2	1008.5	1011.4	1017.3
15°	1049.6	1056.9	1031.9	1024.6	1014.3	1015.8	1005.5	998.2	1004.1	1007.0	1011.4
17.5°	1058.4	1054.0	1046.6	1031.9	1027.5	1021.7	1008.5	1002.6	1002.6	1009.9	1011.4
20°	1081.9	1070.1	1055.4	1048.1	1052.5	1045.2	1029.0	1007.0	1012.9	1018.7	1023.1
22.5°	1103.9	1095.1	1084.8	1080.4	1105.3	1093.6	1065.7	1040.8	1031.9	1042.2	1049.6
25°	1146.4	1146.4	1127.4	1133.2	1161.1	1162.6	1130.3	1086.3	1080.4	1084.8	1087.7
27.5°	1233.1	1237.5	1221.3	1227.2	1238.9	1249.2	1221.3	1184.6	1171.4	1169.9	1174.3
30°	1327.0	1335.8	1334.3	1359.3	1393.1	1398.9	1357.8	1297.6	1258.0	1250.7	1256.5
32.5°	1450.3	1454.7	1451.8	1481.1	1572.1	1614.7	1507.6	1422.4	1369.6	1382.8	1369.6
35°	1682.2	1677.8	1645.5	1651.4	1726.3	1757.1	1654.3	1600.0	1575.1	1601.5	1595.6
37.5°	1881.9	1865.7	1839.3	1877.5	1955.3	1983.2	1876.0	1780.6	1735.1	1779.1	1798.2
40°	2050.7	2009.6	1972.9	2011.1	2115.3	2153.4	1996.4	1918.6	1901.0	1933.3	1974.4
42.5°	2193.1	2166.7	2118.2	2121.1	2190.1	2207.8	2081.5	2036.0	2018.4	2069.8	2090.3
45°	2294.4	2269.4	2223.9	2221.0	2273.8	2262.1	2149.0	2118.2	2128.5	2162.2	2172.5
47.5°	2345.7	2358.9	2332.5	2339.9	2367.8	2339.9	2250.3	2250.3	2226.8	2247.4	2237.1
50°	2494.0	2452.9	2486.7	2486.7	2516.0	2519.0	2429.4	2397.1	2334.0	2298.8	2298.8
52.5°	2667.2	2670.1	2683.4	2731.8	2781.7	2824.3	2696.6	2558.6	2452.9	2407.4	2401.5
55°	2809.6	2839.0	2891.8	2982.8	3126.7	3185.4	2965.2	2718.6	2589.4	2519.0	2504.3
56°	2887.4	2859.5	2950.5	3075.3	3263.2	3339.5	3009.2	2750.9	2608.5	2529.2	2527.8
57.5°	2812.5	2843.4	2906.5	3103.2	3333.6	3433.5	3025.4	2736.2	2532.2	2451.4	2458.8
60°	2221.0	2250.3	2335.5	2555.6	2916.8	2994.6	2560.1	2256.2	2074.2	1958.2	1959.7
62.5°	1256.5	1278.6	1344.6	1548.7	1773.2	1848.1	1595.6	1393.1	1266.8	1202.2	1181.7
65°	462.4	453.6	463.9	568.1	706.1	769.2	663.5	560.7	494.7	471.2	462.4
67.5°	173.2	160.0	149.7	160.0	201.1	212.8	195.2	162.9	152.7	157.1	160.0
70°	107.2	101.3	80.7	76.3	74.9	73.4	77.8	82.2	93.9	110.1	113.0
72.5°	74.9	70.5	57.2	54.3	51.4	49.9	57.2	63.1	73.4	85.1	86.6
75°	29.4	30.8	29.4	32.3	33.8	35.2	41.1	45.5	49.9	49.9	48.4
77.5°	5.9	5.9	8.8	11.7	14.7	19.1	27.9	32.3	33.8	32.3	27.9
80°	0.0	0.0	2.9	5.9	11.7	16.1	25.0	27.9	30.8	27.9	22.0
82.5°	0.0	0.0	2.9	7.3	11.7	14.7	23.5	29.4	33.8	30.8	23.5
85°	0.0	0.0	2.9	5.9	8.8	10.3	10.3	7.3	7.3	4.4	2.9
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)