

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: P527391

Luminaire Tested: **GALN-SA2B-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6247 lumens
Efficiency: N/A
Efficacy: 76.2 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

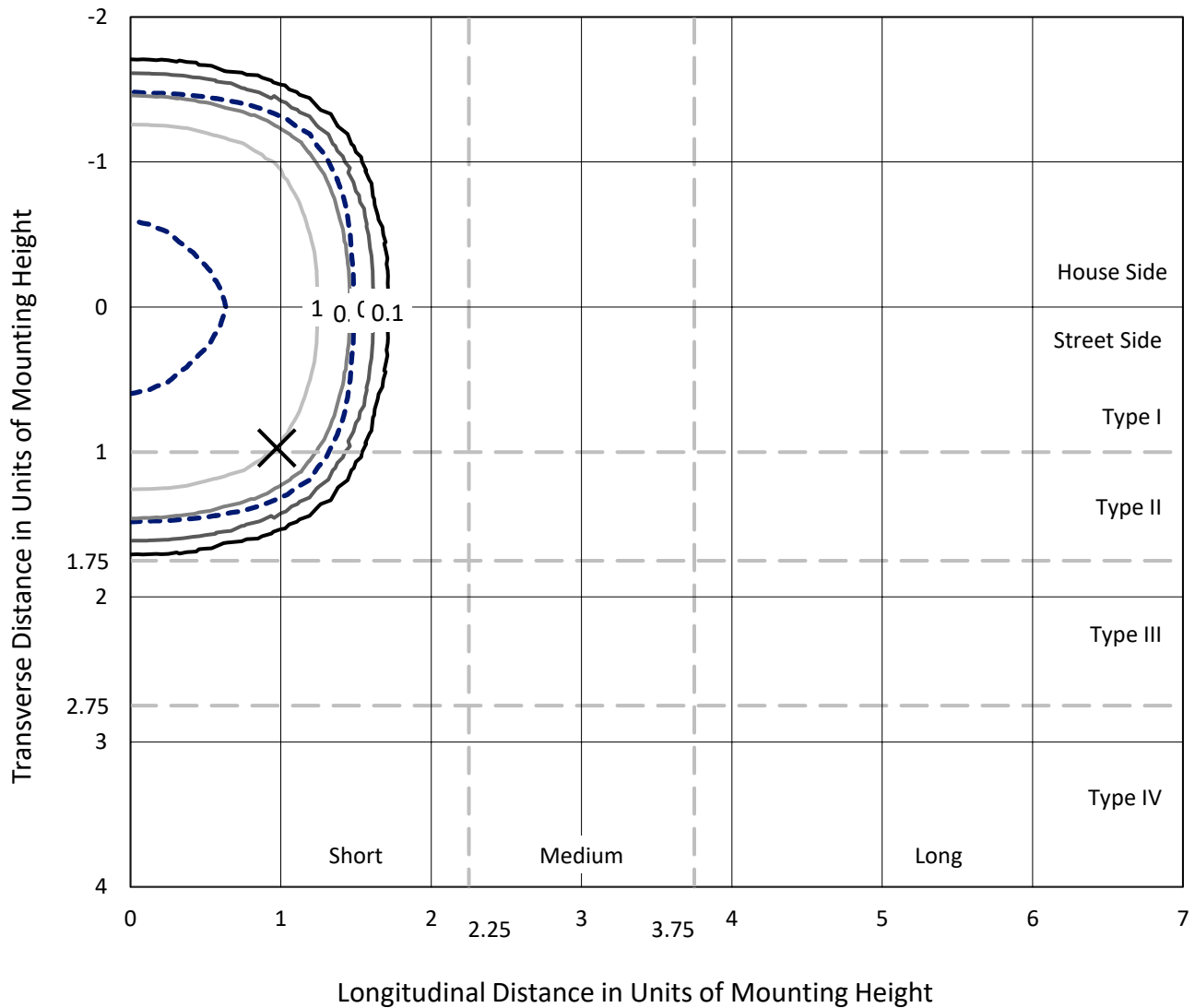


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Iso-Footcandle Lines of Horizontal Illumination

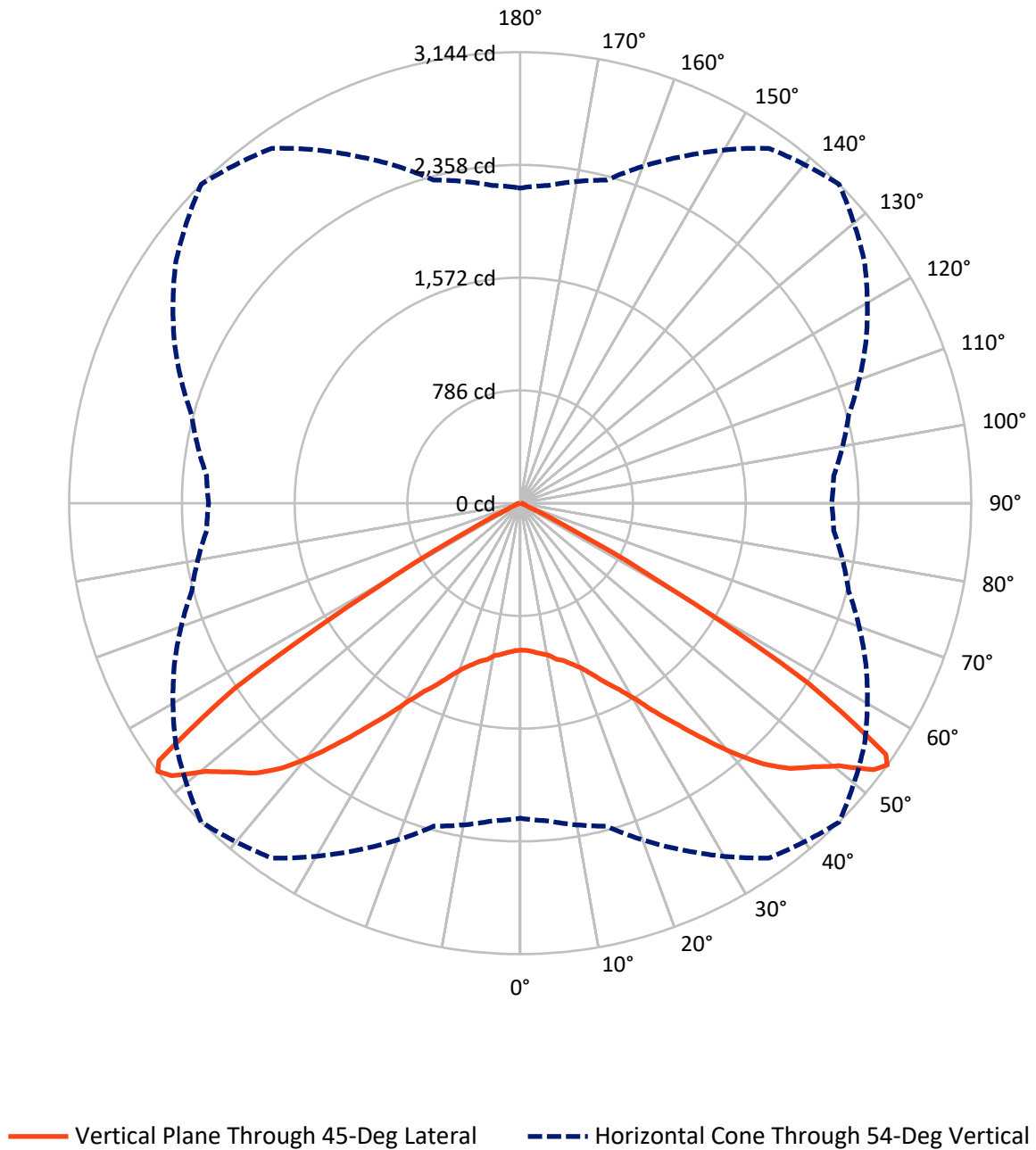
× Max cd
--- 1/2 Max cd



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	3123.5	0.0	3123.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3123.5	0.0	3123.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6247.0	0.0	6247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.6
10°-20°	324.7	5.2
20°-30°	636.3	10.2
30°-40°	1144.3	18.3
40°-50°	1958.7	31.4
50°-60°	1895.3	30.3
60°-70°	162.2	2.6
70°-80°	19.2	0.3
80°-90°	6.0	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°	6247.0	100.0
0°-180°	6247.0	100.0

Coefficient of Utilization



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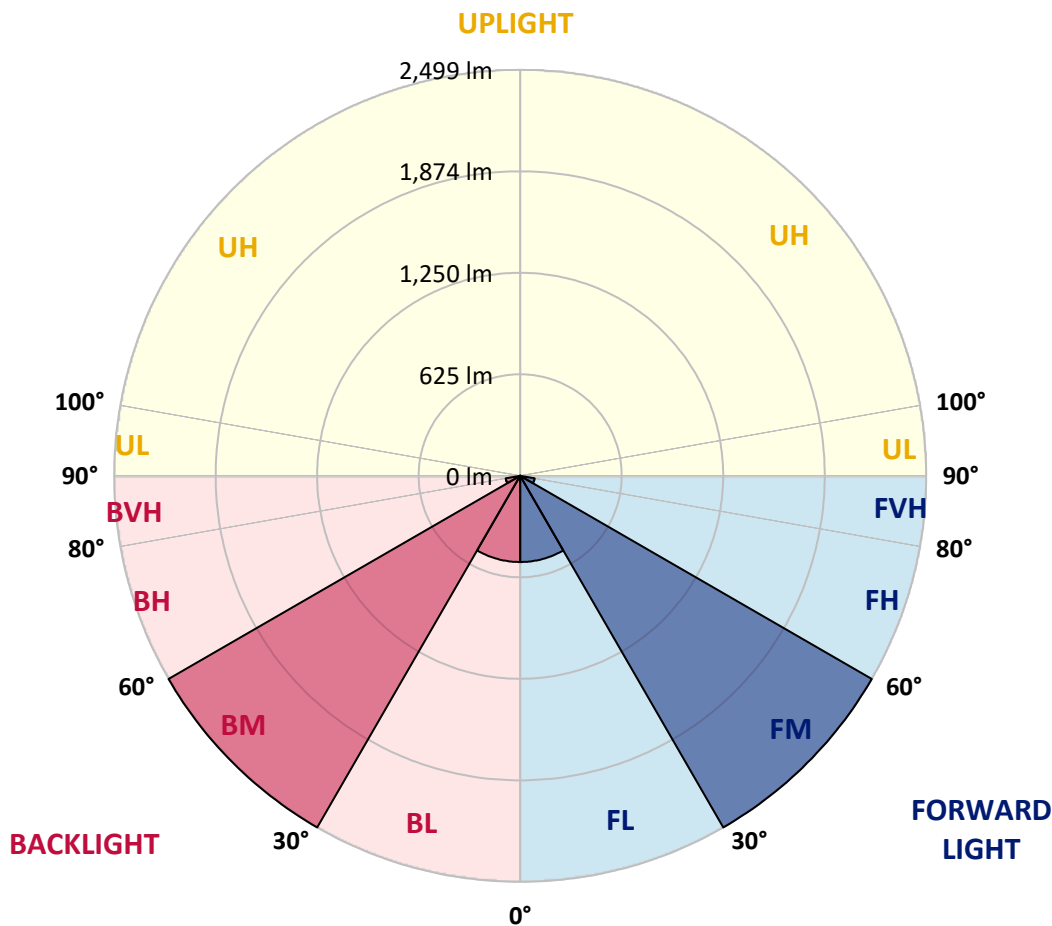
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	530.6	8.5			
FM	(30°-60°)	2499.1	40.0			
FH	(60°-80°)	90.7	1.5			G0/660
FVH	(80°-90°)	3.0	0.0			G0/10
BL	(0°-30°)	530.6	8.5	B2/1000		
BM	(30°-60°)	2499.1	40.0	B2/2500		
BH	(60°-80°)	90.7	1.5	B0/110		G0/660
BVH	(80°-90°)	3.0	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3	1024.3
2.5°	1029.3	1035.2	1031.2	1034.2	1034.2	1029.3	1032.2	1020.4	1028.3	1022.3	1023.3
5°	1045.1	1044.1	1044.1	1045.1	1041.1	1043.1	1039.2	1035.2	1032.2	1028.3	1040.1
7.5°	1064.9	1064.9	1058.0	1059.9	1058.0	1060.9	1053.0	1045.1	1042.1	1039.2	1037.2
10°	1083.7	1081.7	1078.7	1087.7	1080.7	1076.8	1072.8	1067.9	1057.0	1053.0	1049.1
12.5°	1111.4	1110.4	1106.5	1115.4	1111.4	1115.4	1100.5	1087.7	1085.7	1072.8	1079.7
15°	1144.1	1153.0	1146.0	1146.0	1144.1	1139.1	1133.2	1127.2	1109.4	1104.5	1105.5
17.5°	1186.6	1183.7	1184.6	1184.6	1194.5	1181.7	1169.8	1155.0	1146.0	1143.1	1133.2
20°	1227.2	1231.2	1230.2	1237.1	1243.0	1229.2	1216.3	1214.3	1189.6	1193.5	1179.7
22.5°	1298.5	1295.5	1300.4	1305.4	1301.4	1299.4	1287.6	1272.7	1250.9	1241.1	1239.1
25°	1373.7	1368.7	1359.8	1371.7	1377.6	1386.5	1363.8	1355.9	1322.2	1307.4	1308.4
27.5°	1438.0	1444.9	1454.8	1459.8	1474.6	1471.6	1455.8	1430.1	1404.3	1387.5	1376.6
30°	1526.1	1530.0	1546.9	1553.8	1579.5	1586.4	1561.7	1532.0	1486.5	1464.7	1451.9
32.5°	1607.2	1634.9	1634.0	1668.6	1710.2	1738.9	1694.3	1648.8	1603.3	1577.5	1554.8
35°	1738.9	1733.9	1762.6	1799.2	1866.5	1899.2	1850.7	1798.2	1729.0	1687.4	1669.6
37.5°	1861.6	1863.6	1902.2	1960.5	2037.7	2088.2	2045.7	1959.6	1888.3	1834.9	1810.1
40°	2039.7	2043.7	2083.3	2149.6	2236.7	2291.1	2241.6	2154.5	2059.5	2017.9	2017.9
42.5°	2248.5	2265.4	2291.1	2348.5	2426.7	2487.1	2442.5	2374.2	2278.2	2224.8	2232.7
45°	2463.3	2471.2	2488.0	2573.2	2609.8	2639.5	2597.9	2566.2	2501.9	2436.6	2425.7
47.5°	2664.2	2667.2	2716.7	2743.4	2772.1	2747.3	2774.1	2732.5	2660.2	2596.9	2584.0
50°	2753.3	2748.3	2818.6	2899.7	2921.5	2878.0	2855.2	2827.5	2717.6	2641.4	2607.8
52.5°	2494.0	2522.7	2653.3	2879.0	3049.2	3085.8	2953.2	2825.5	2620.7	2472.2	2449.4
54°	2197.1	2223.8	2331.7	2666.2	3020.5	3144.2	2930.4	2659.3	2370.3	2194.1	2171.3
55°	1903.1	1873.5	2069.4	2410.8	2885.9	3092.7	2840.4	2444.5	2113.9	1952.6	1921.0
57.5°	1030.3	1035.2	1200.5	1523.1	2027.8	2371.3	2094.2	1653.7	1249.0	1067.9	1052.0
60°	326.6	334.5	406.8	615.6	968.9	1156.9	991.7	664.1	459.2	368.2	353.3
62.5°	101.9	105.9	115.8	172.2	265.2	379.0	296.9	178.1	132.6	121.7	123.7
65°	62.3	62.3	63.3	67.3	79.2	92.0	89.1	78.2	75.2	73.2	72.2
67.5°	40.6	39.6	41.6	44.5	46.5	47.5	50.5	53.4	52.5	50.5	50.5
70°	24.7	23.8	25.7	29.7	30.7	32.7	35.6	39.6	38.6	36.6	37.6
72.5°	13.9	13.9	14.8	17.8	20.8	22.8	25.7	28.7	29.7	28.7	28.7
75°	4.9	5.9	7.9	10.9	12.9	15.8	18.8	21.8	24.7	22.8	21.8
77.5°	2.0	2.0	4.0	6.9	9.9	12.9	17.8	20.8	22.8	20.8	18.8
80°	1.0	1.0	3.0	5.9	8.9	11.9	14.8	17.8	18.8	16.8	14.8
82.5°	1.0	1.0	3.0	5.9	8.9	10.9	15.8	17.8	19.8	17.8	14.8
85°	0.0	1.0	3.0	5.9	7.9	8.9	8.9	5.9	4.9	3.0	3.0
87.5°	0.0	0.0	1.0	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)