

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: P529265

Luminaire Tested: **GALN-SA4B-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529265
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-SA4B-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 9330 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

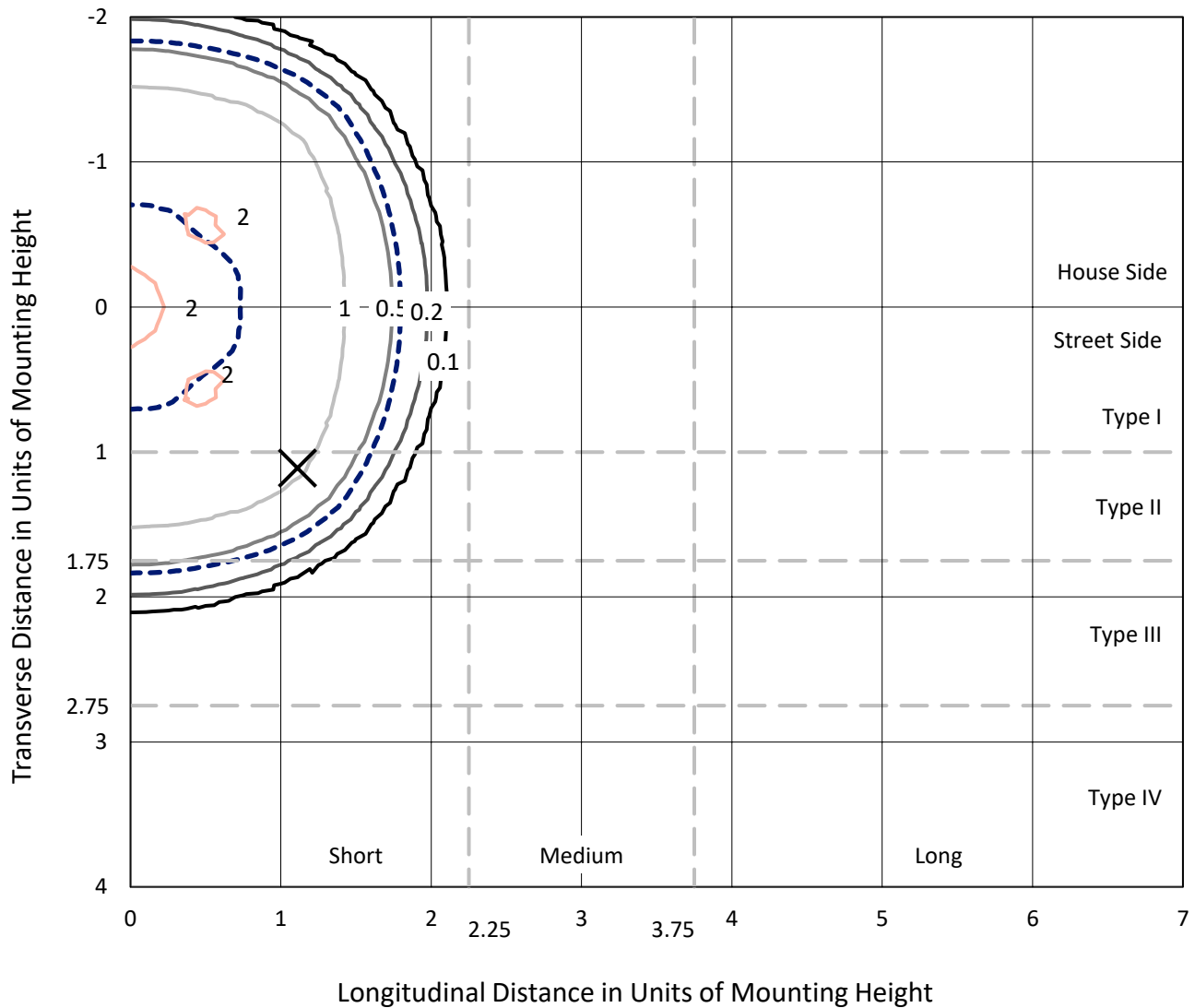
Input Watts (W): 164
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

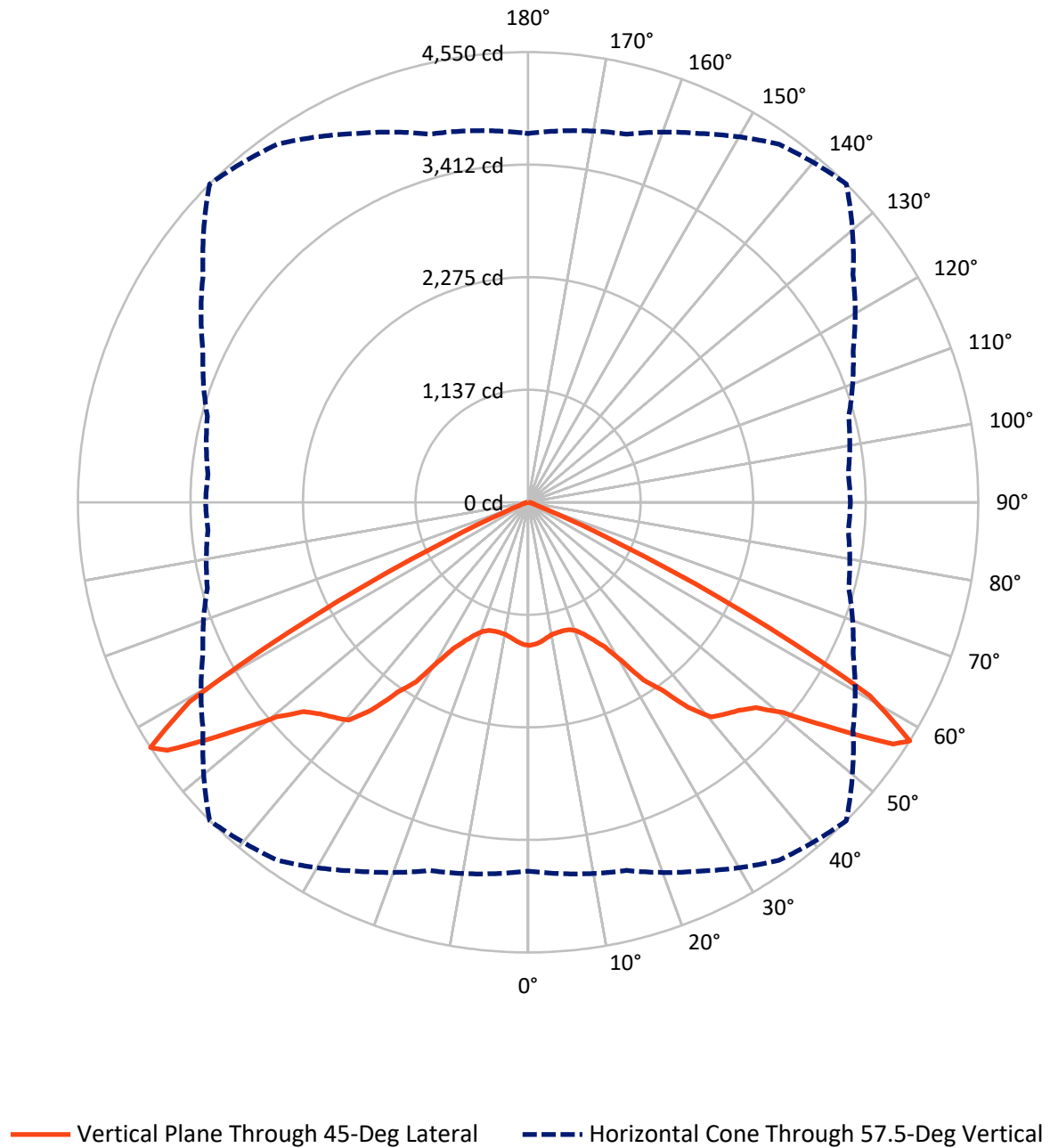
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	4665.0	0.0	4665.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4665.0	0.0	4665.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9330.0	0.0	9330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	1.4
10°-20°	384.4	4.1
20°-30°	709.5	7.6
30°-40°	1395.4	15.0
40°-50°	2272.7	24.4
50°-60°	3241.2	34.7
60°-70°	1122.2	12.0
70°-80°	60.2	0.6
80°-90°	11.3	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°	9330.0	100.0
0°-180°	9330.0	100.0

Coefficient of Utilization



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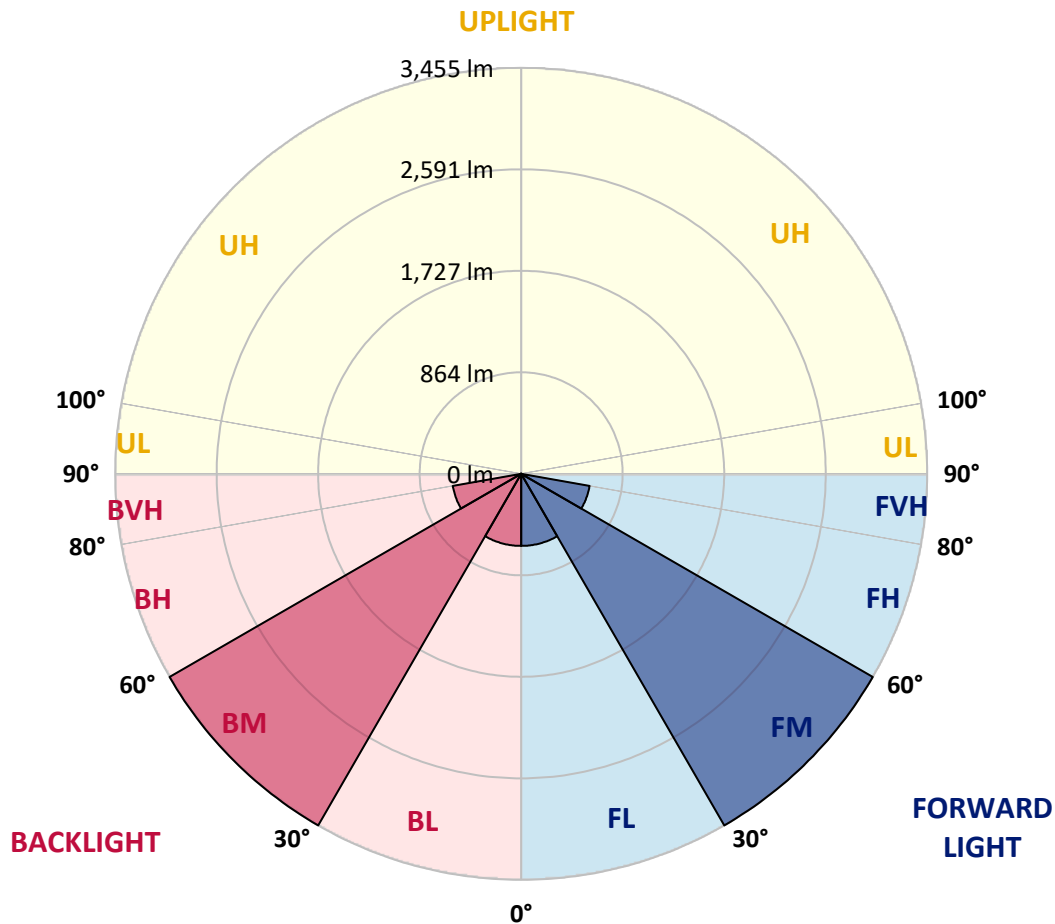
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	613.5	6.6			
FM	(30°-60°)	3454.7	37.0			
FH	(60°-80°)	591.2	6.3			G0/660
FVH	(80°-90°)	5.7	0.1			G0/10
BL	(0°-30°)	613.5	6.6	B2/1000		
BM	(30°-60°)	3454.7	37.0	B3/5000		
BH	(60°-80°)	591.2	6.3	B2/1000		G0/660
BVH	(80°-90°)	5.7	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°	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2	1447.2
2.5°	1443.3	1451.1	1441.3	1437.5	1435.5	1435.5	1429.7	1429.7	1427.7	1429.7	1421.9
5°	1419.9	1427.7	1427.7	1425.8	1414.1	1412.2	1406.3	1402.4	1404.4	1396.6	1402.4
7.5°	1396.6	1402.4	1394.7	1392.7	1388.8	1381.0	1379.1	1361.6	1363.5	1363.5	1367.4
10°	1392.7	1390.8	1379.1	1369.4	1357.7	1355.8	1349.9	1346.0	1346.0	1344.1	1349.9
12.5°	1392.7	1383.0	1381.0	1359.6	1340.2	1348.0	1332.4	1322.7	1336.3	1340.2	1348.0
15°	1390.8	1400.5	1367.4	1357.7	1344.1	1346.0	1332.4	1322.7	1330.5	1334.4	1340.2
17.5°	1402.4	1396.6	1386.9	1367.4	1361.6	1353.8	1336.3	1328.5	1328.5	1338.3	1340.2
20°	1433.6	1418.0	1398.6	1388.8	1394.7	1384.9	1363.5	1334.4	1342.1	1349.9	1355.8
22.5°	1462.7	1451.1	1437.5	1431.6	1464.7	1449.1	1412.2	1379.1	1367.4	1381.0	1390.8
25°	1519.2	1519.2	1493.9	1501.6	1538.6	1540.5	1497.8	1439.4	1431.6	1437.5	1441.3
27.5°	1633.9	1639.7	1618.4	1626.1	1641.7	1655.3	1618.4	1569.7	1552.2	1550.3	1556.1
30°	1758.4	1770.1	1768.1	1801.2	1845.9	1853.7	1799.3	1719.5	1667.0	1657.3	1665.0
32.5°	1921.8	1927.6	1923.7	1962.6	2083.2	2139.6	1997.7	1884.8	1814.8	1832.3	1814.8
35°	2229.1	2223.3	2180.5	2188.3	2287.5	2328.3	2192.2	2120.2	2087.1	2122.1	2114.4
37.5°	2493.7	2472.3	2437.3	2487.8	2590.9	2627.9	2485.9	2359.4	2299.1	2357.5	2382.8
40°	2717.4	2662.9	2614.3	2664.8	2802.9	2853.5	2645.4	2542.3	2519.0	2561.7	2616.2
42.5°	2906.0	2871.0	2806.8	2810.7	2902.1	2925.5	2758.2	2697.9	2674.6	2742.6	2769.9
45°	3040.2	3007.2	2946.9	2943.0	3013.0	2997.5	2847.7	2806.8	2820.4	2865.2	2878.8
47.5°	3108.3	3125.8	3090.8	3100.5	3137.5	3100.5	2981.9	2981.9	2950.8	2978.0	2964.4
50°	3304.8	3250.3	3295.1	3295.1	3334.0	3337.9	3219.2	3176.4	3092.8	3046.1	3046.1
52.5°	3534.3	3538.2	3555.7	3619.9	3686.0	3742.4	3573.2	3390.4	3250.3	3190.0	3182.2
55°	3723.0	3761.9	3831.9	3952.5	4143.1	4220.9	3929.2	3602.4	3431.2	3337.9	3318.4
56°	3826.1	3789.1	3909.7	4075.1	4324.0	4425.2	3987.5	3645.2	3456.5	3351.5	3349.5
57.5°	3726.9	3767.7	3851.4	4112.0	4417.4	4549.7	4008.9	3625.7	3355.4	3248.4	3258.1
60°	2943.0	2981.9	3094.7	3386.5	3865.0	3968.1	3392.3	2989.7	2748.5	2594.8	2596.8
62.5°	1665.0	1694.2	1781.7	2052.1	2349.7	2448.9	2114.4	1845.9	1678.7	1593.1	1565.8
65°	612.7	601.0	614.7	752.8	935.6	1019.3	879.2	743.0	655.5	624.4	612.7
67.5°	229.5	212.0	198.4	212.0	266.5	282.0	258.7	215.9	202.3	208.1	212.0
70°	142.0	134.2	107.0	101.1	99.2	97.3	103.1	108.9	124.5	145.9	149.8
72.5°	99.2	93.4	75.9	72.0	68.1	66.1	75.9	83.6	97.3	112.8	114.8
75°	38.9	40.8	38.9	42.8	44.7	46.7	54.5	60.3	66.1	66.1	64.2
77.5°	7.8	7.8	11.7	15.6	19.5	25.3	37.0	42.8	44.7	42.8	37.0
80°	0.0	0.0	3.9	7.8	15.6	21.4	33.1	37.0	40.8	37.0	29.2
82.5°	0.0	0.0	3.9	9.7	15.6	19.5	31.1	38.9	44.7	40.8	31.1
85°	0.0	0.0	3.9	7.8	11.7	13.6	13.6	9.7	9.7	5.8	3.9
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)