

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: P528225

Luminaire Tested: **GALN-SA3B-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528225
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-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 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: 8860 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

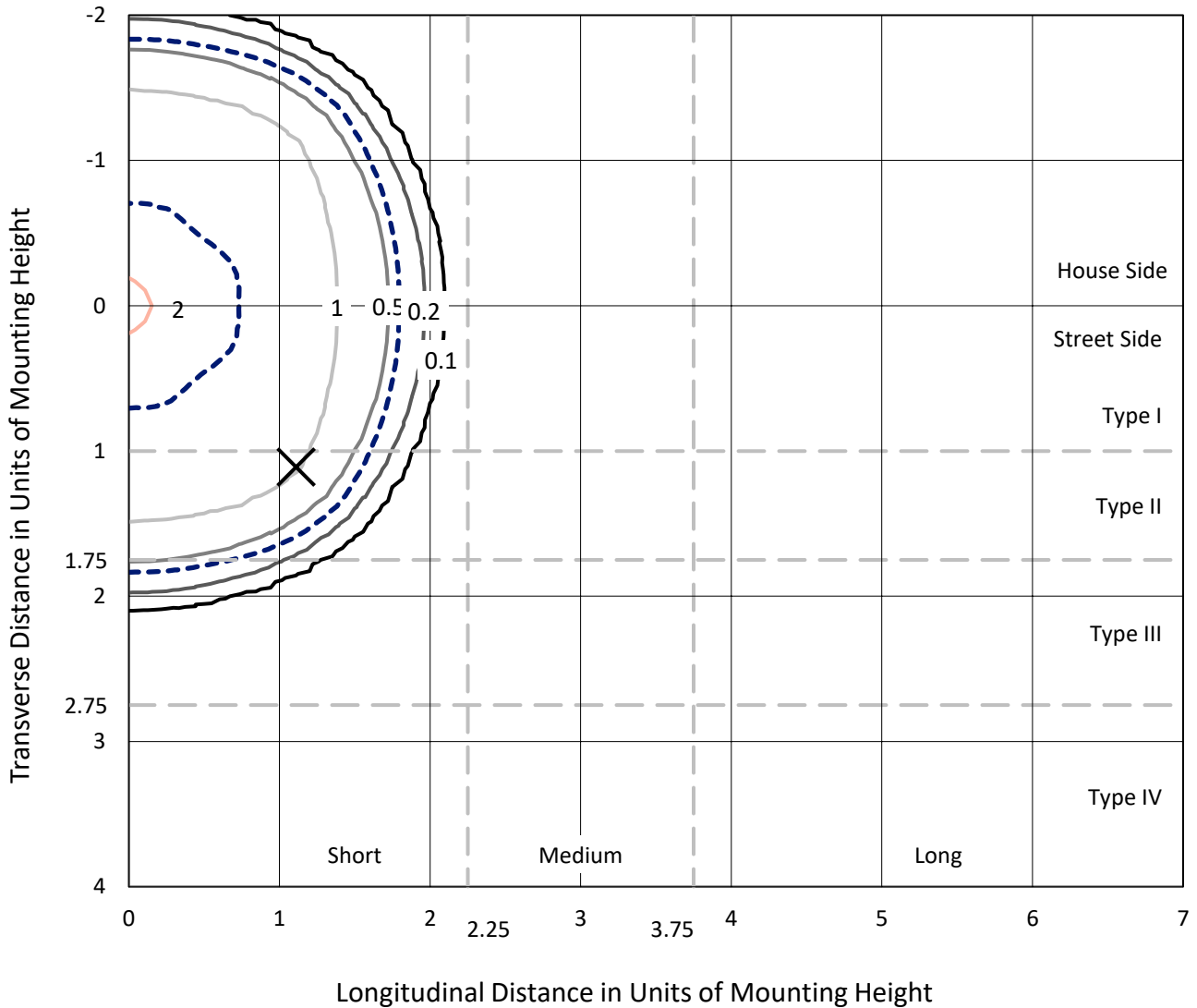
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

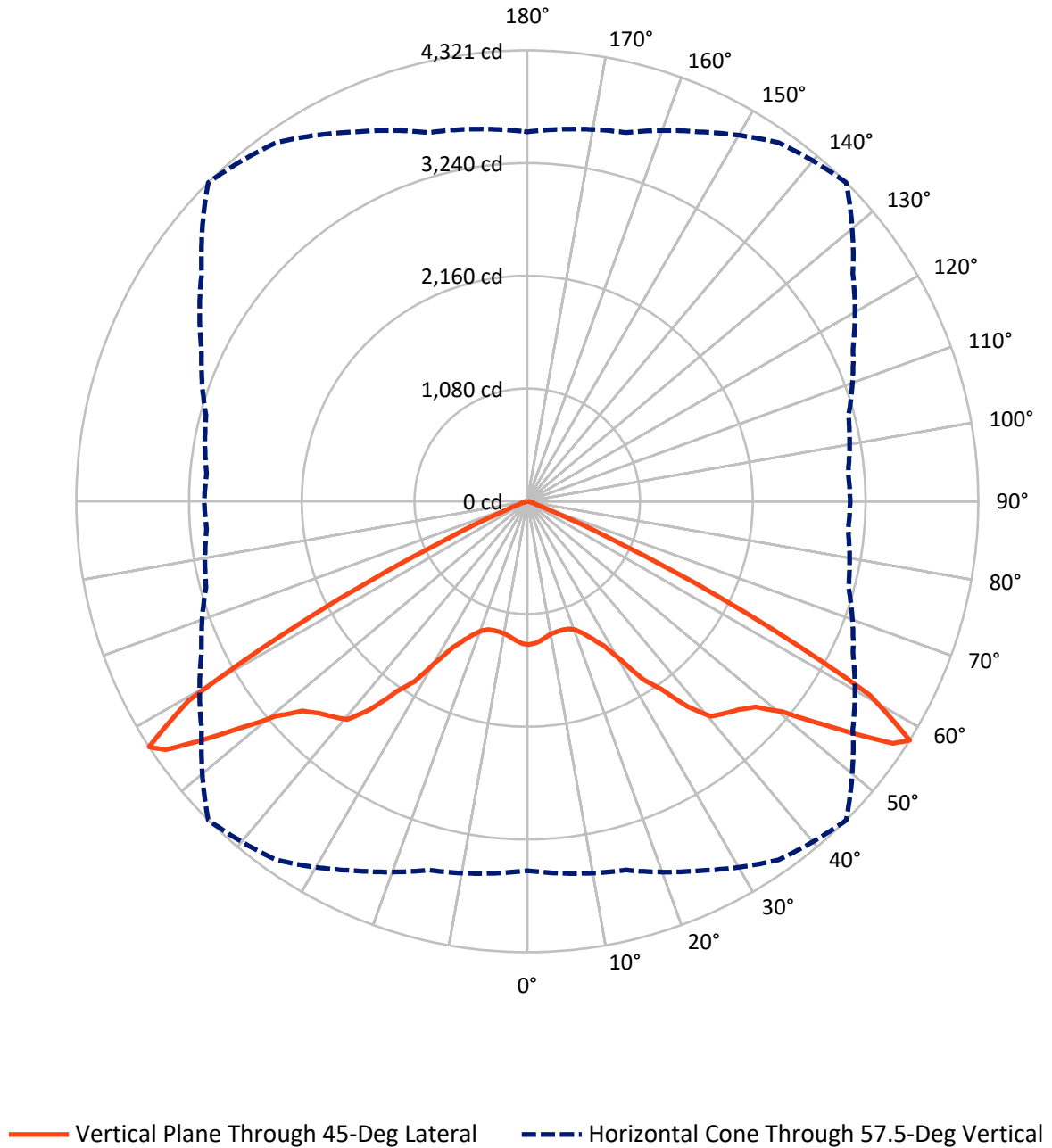
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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	4430.0	0.0	4430.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4430.0	0.0	4430.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8860.0	0.0	8860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	1.4
10°-20°	365.0	4.1
20°-30°	673.8	7.6
30°-40°	1325.1	15.0
40°-50°	2158.3	24.4
50°-60°	3077.9	34.7
60°-70°	1065.7	12.0
70°-80°	57.2	0.6
80°-90°	10.7	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°	8860.0	100.0
0°-180°	8860.0	100.0

Coefficient of Utilization



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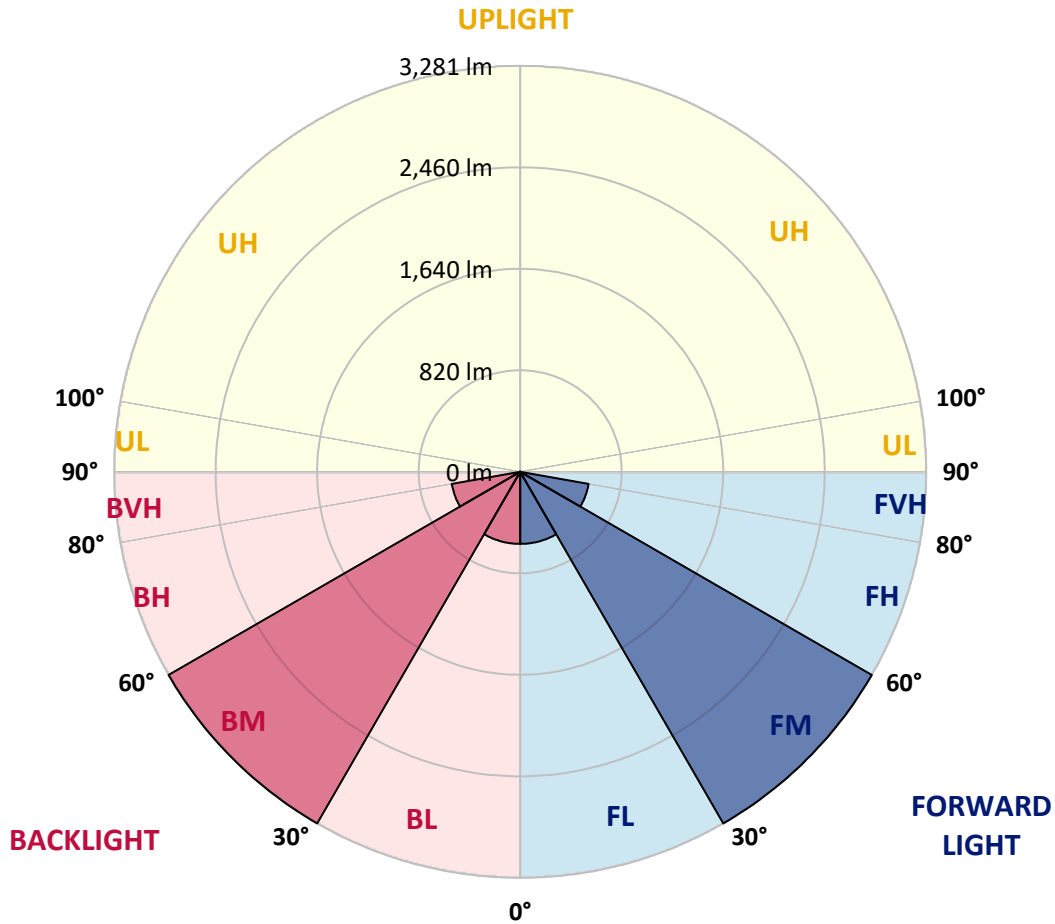
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	582.6	6.6			
FM (30°-60°)	3280.7	37.0			
FH (60°-80°)	561.4	6.3			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	582.6	6.6	B2/1000		
BM (30°-60°)	3280.7	37.0	B3/5000		
BH (60°-80°)	561.4	6.3	B2/1000		G0/660
BVH (80°-90°)	5.4	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°	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3	1374.3
2.5°	1370.6	1378.0	1368.7	1365.0	1363.2	1363.2	1357.7	1357.7	1355.8	1357.7	1350.3
5°	1348.4	1355.8	1355.8	1354.0	1342.9	1341.0	1335.5	1331.8	1333.6	1326.3	1331.8
7.5°	1326.3	1331.8	1324.4	1322.6	1318.9	1311.5	1309.6	1293.0	1294.9	1294.9	1298.5
10°	1322.6	1320.7	1309.6	1300.4	1289.3	1287.5	1281.9	1278.2	1278.2	1276.4	1281.9
12.5°	1322.6	1313.3	1311.5	1291.2	1272.7	1280.1	1265.3	1256.1	1269.0	1272.7	1280.1
15°	1320.7	1329.9	1298.5	1289.3	1276.4	1278.2	1265.3	1256.1	1263.4	1267.1	1272.7
17.5°	1331.8	1326.3	1317.0	1298.5	1293.0	1285.6	1269.0	1261.6	1261.6	1270.8	1272.7
20°	1361.3	1346.6	1328.1	1318.9	1324.4	1315.2	1294.9	1267.1	1274.5	1281.9	1287.5
22.5°	1389.1	1378.0	1365.0	1359.5	1390.9	1376.1	1341.0	1309.6	1298.5	1311.5	1320.7
25°	1442.6	1442.6	1418.6	1426.0	1461.1	1462.9	1422.3	1366.9	1359.5	1365.0	1368.7
27.5°	1551.6	1557.1	1536.8	1544.2	1559.0	1571.9	1536.8	1490.6	1474.0	1472.2	1477.7
30°	1669.8	1680.9	1679.1	1710.5	1752.9	1760.3	1708.6	1632.9	1583.0	1573.8	1581.2
32.5°	1825.0	1830.5	1826.8	1863.8	1978.3	2031.9	1897.0	1789.9	1723.4	1740.0	1723.4
35°	2116.8	2111.3	2070.7	2078.0	2172.2	2211.0	2081.7	2013.4	1982.0	2015.2	2007.9
37.5°	2368.0	2347.7	2314.5	2362.5	2460.4	2495.5	2360.7	2240.6	2183.3	2238.7	2262.8
40°	2580.5	2528.7	2482.6	2530.6	2661.7	2709.8	2512.1	2414.2	2392.1	2432.7	2484.4
42.5°	2759.6	2726.4	2665.4	2669.1	2755.9	2778.1	2619.3	2562.0	2539.8	2604.5	2630.3
45°	2887.1	2855.7	2798.4	2794.7	2861.2	2846.5	2704.2	2665.4	2678.4	2720.9	2733.8
47.5°	2951.7	2968.4	2935.1	2944.4	2979.5	2944.4	2831.7	2831.7	2802.1	2828.0	2815.1
50°	3138.3	3086.6	3129.1	3129.1	3166.0	3169.7	3057.0	3016.4	2937.0	2892.6	2892.6
52.5°	3356.3	3360.0	3376.6	3437.5	3500.3	3553.9	3393.2	3219.6	3086.6	3029.3	3021.9
55°	3535.4	3572.4	3638.9	3753.4	3934.4	4008.3	3731.2	3420.9	3258.4	3169.7	3151.2
56°	3633.3	3598.2	3712.8	3869.8	4106.2	4202.3	3786.7	3461.6	3282.4	3182.6	3180.8
57.5°	3539.1	3577.9	3657.4	3904.9	4194.9	4320.5	3807.0	3443.1	3186.3	3084.7	3094.0
60°	2794.7	2831.7	2938.8	3215.9	3670.3	3768.2	3221.4	2839.1	2610.0	2464.1	2465.9
62.5°	1581.2	1608.9	1692.0	1948.7	2231.4	2325.6	2007.9	1752.9	1594.1	1512.8	1487.0
65°	581.9	570.8	583.7	714.8	888.5	967.9	834.9	705.6	622.5	592.9	581.9
67.5°	218.0	201.3	188.4	201.3	253.1	267.8	245.7	205.0	192.1	197.6	201.3
70°	134.8	127.5	101.6	96.1	94.2	92.4	97.9	103.4	118.2	138.5	142.2
72.5°	94.2	88.7	72.0	68.3	64.7	62.8	72.0	79.4	92.4	107.1	109.0
75°	36.9	38.8	36.9	40.6	42.5	44.3	51.7	57.3	62.8	62.8	61.0
77.5°	7.4	7.4	11.1	14.8	18.5	24.0	35.1	40.6	42.5	40.6	35.1
80°	0.0	0.0	3.7	7.4	14.8	20.3	31.4	35.1	38.8	35.1	27.7
82.5°	0.0	0.0	3.7	9.2	14.8	18.5	29.6	36.9	42.5	38.8	29.6
85°	0.0	0.0	3.7	7.4	11.1	12.9	12.9	9.2	9.2	5.5	3.7
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)