

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: P528326

Luminaire Tested: **GALN-SA3B-830-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11914 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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



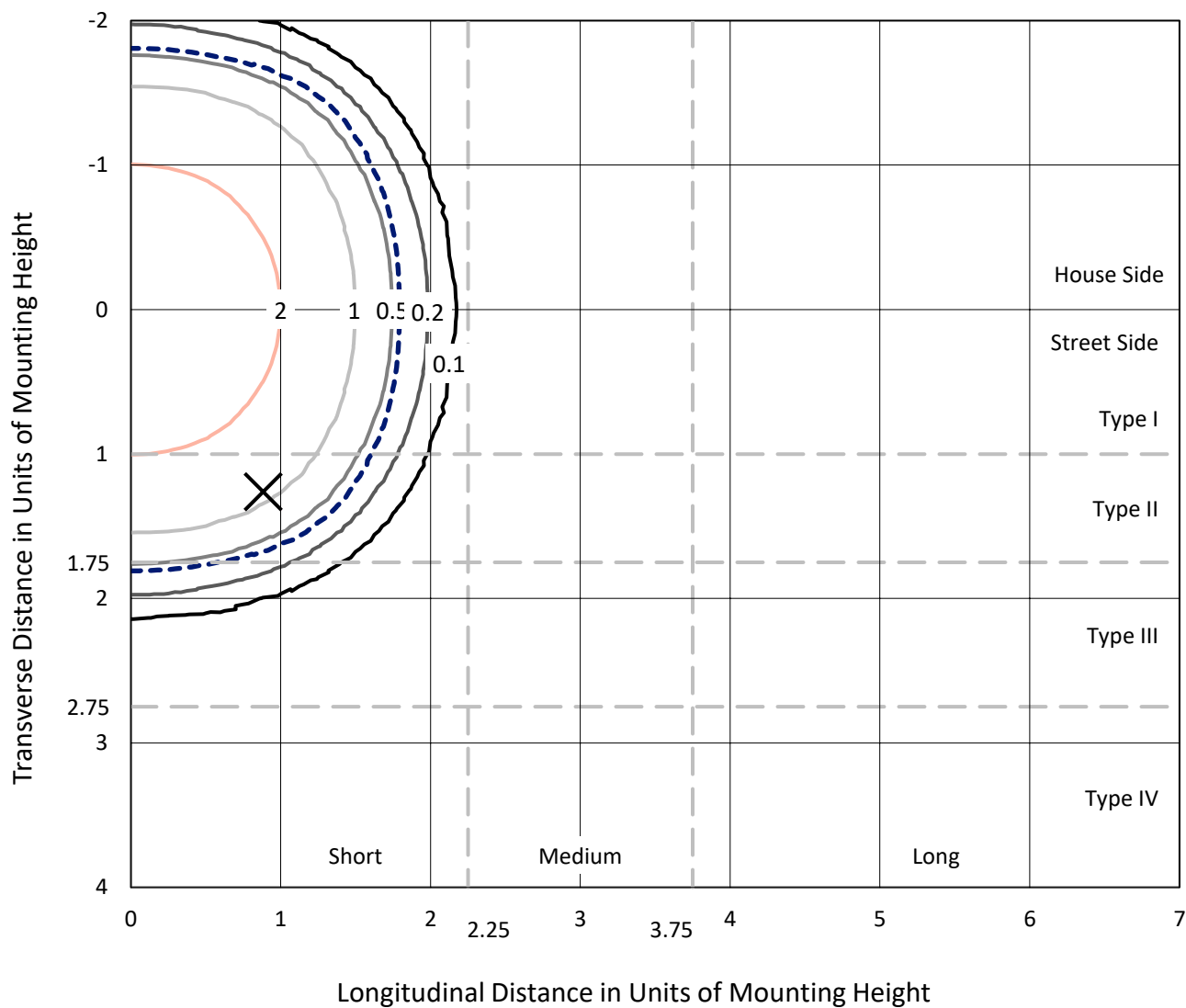
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



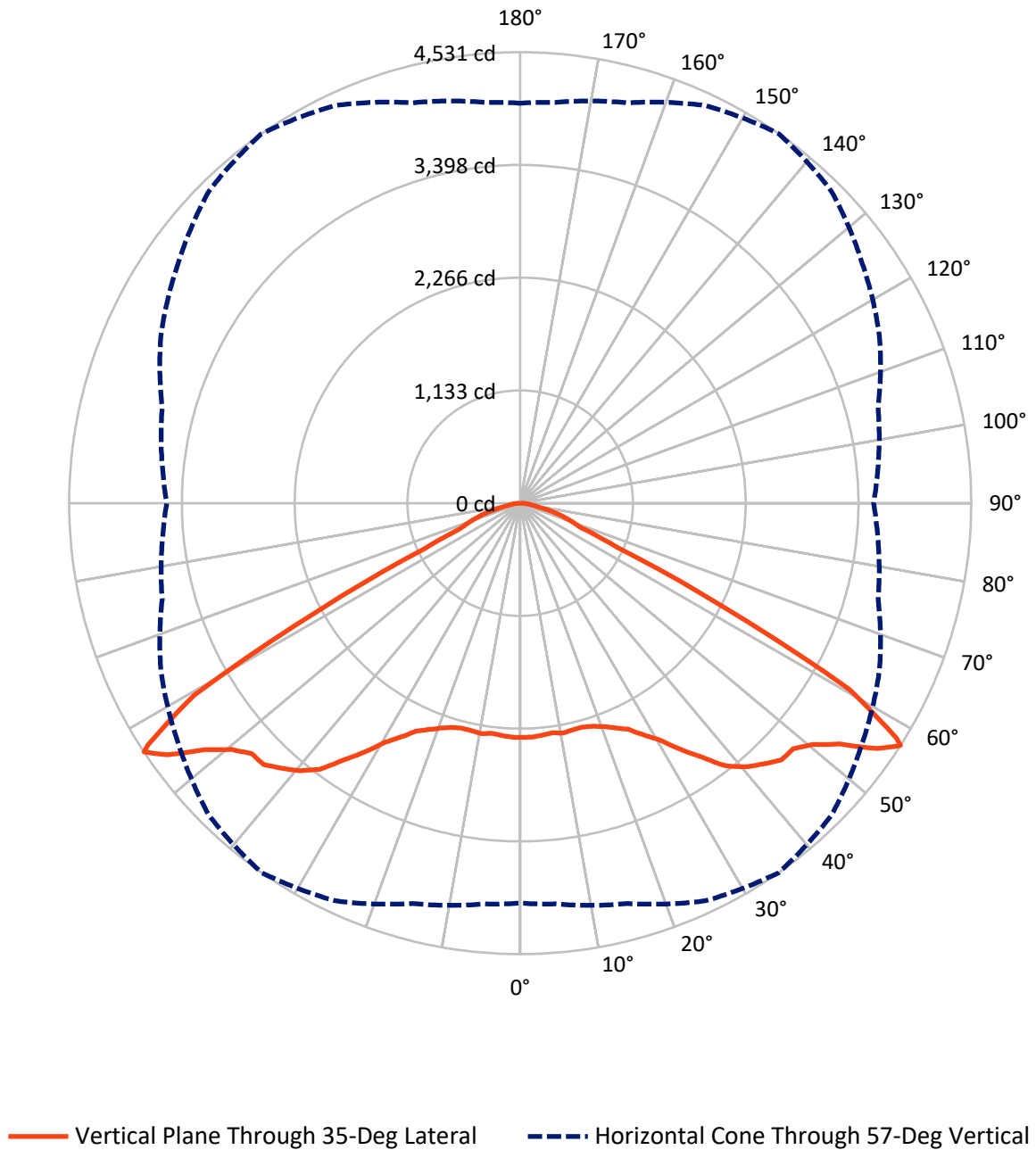
Based on 25 foot mounting height. Maximum calculated value = 3.8 fc

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	5957.0	0.0	5957.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5957.0	0.0	5957.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11914.0	0.0	11914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.1	1.9
10°-20°	660.7	5.5
20°-30°	1153.8	9.7
30°-40°	1890.6	15.9
40°-50°	2772.1	23.3
50°-60°	3491.6	29.3
60°-70°	1313.2	11.0
70°-80°	349.2	2.9
80°-90°	59.9	0.5
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°	11914.0	100.0
0°-180°	11914.0	100.0

Coefficient of Utilization



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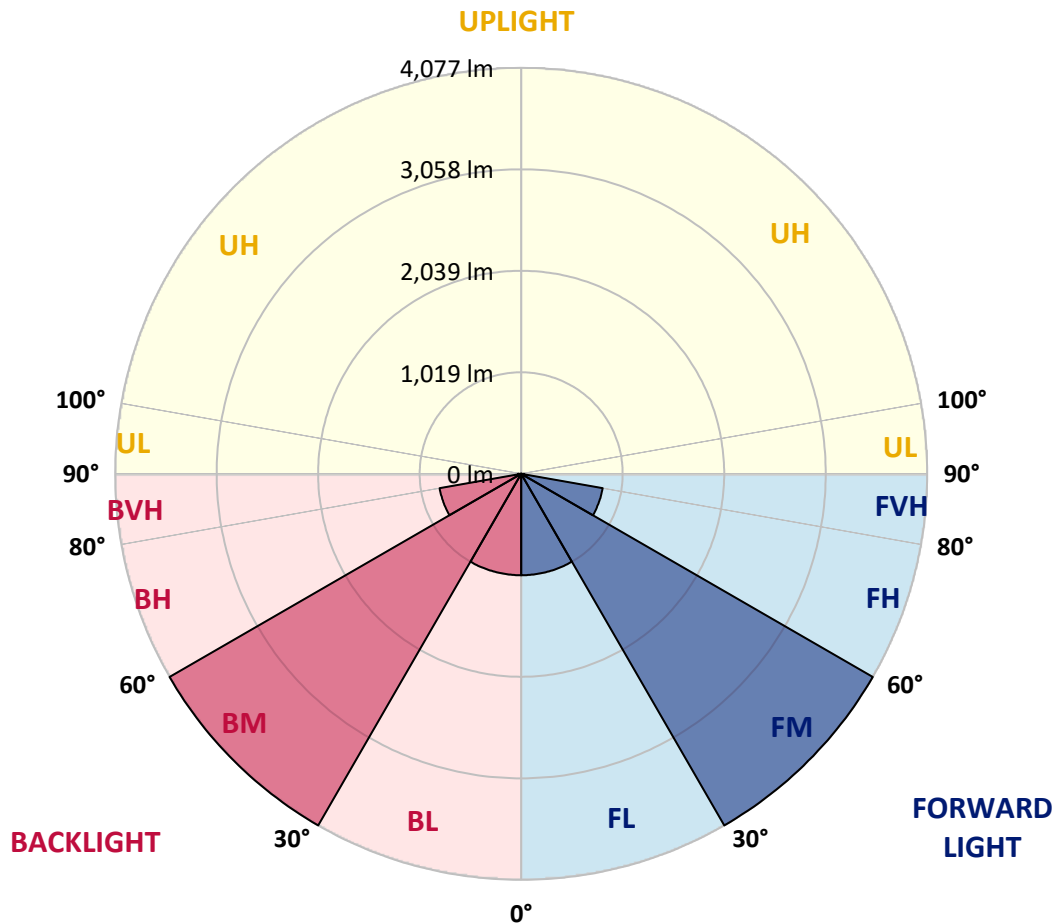
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1018.8	8.6			
FM	(30°-60°)	4077.1	34.2			
FH	(60°-80°)	831.2	7.0			G1/1800
FVH	(80°-90°)	29.9	0.3			G1/100
BL	(0°-30°)	1018.8	8.6	B3/2500		
BM	(30°-60°)	4077.1	34.2	B3/5000		
BH	(60°-80°)	831.2	7.0	B2/1000		G1/1800
BVH	(80°-90°)	29.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2352.9	2352.9	2352.9	2352.9	2352.9	2352.9	2352.9	2352.9	2352.9	2352.9	2352.9
2.5°	2341.2	2364.7	2354.4	2348.5	2352.9	2345.6	2333.8	2347.1	2344.1	2332.4	2328.0
5°	2335.3	2352.9	2341.2	2352.9	2341.2	2361.7	2355.9	2333.8	2360.3	2335.3	2344.1
7.5°	2330.9	2336.8	2339.7	2333.8	2329.4	2354.4	2341.2	2330.9	2316.2	2311.8	2319.2
10°	2320.6	2335.3	2313.3	2342.7	2348.5	2330.9	2330.9	2311.8	2300.1	2292.7	2317.7
12.5°	2347.1	2322.1	2319.2	2333.8	2338.2	2345.6	2325.0	2314.8	2292.7	2295.7	2291.3
15°	2316.2	2326.5	2328.0	2330.9	2335.3	2352.9	2333.8	2311.8	2303.0	2272.2	2275.1
17.5°	2328.0	2317.7	2328.0	2361.7	2355.9	2369.1	2348.5	2314.8	2294.2	2276.6	2300.1
20°	2348.5	2344.1	2348.5	2389.6	2397.0	2408.7	2391.1	2360.3	2320.6	2300.1	2311.8
22.5°	2370.5	2367.6	2370.5	2410.2	2452.7	2467.4	2449.8	2377.9	2357.3	2319.2	2306.0
25°	2410.2	2413.1	2443.9	2488.0	2515.9	2543.7	2511.5	2460.1	2394.0	2370.5	2342.7
27.5°	2498.2	2505.6	2523.2	2587.8	2636.2	2661.2	2615.7	2545.2	2504.1	2455.7	2448.3
30°	2606.9	2606.9	2637.7	2693.5	2759.5	2797.7	2741.9	2658.2	2608.3	2581.9	2565.8
32.5°	2750.7	2734.6	2746.3	2844.6	2947.4	2979.7	2904.8	2802.1	2722.8	2687.6	2675.8
35°	2874.0	2884.3	2910.7	3016.4	3130.9	3205.7	3088.3	2954.7	2874.0	2841.7	2835.8
37.5°	3034.0	3051.6	3064.8	3210.1	3348.1	3376.0	3263.0	3155.8	3057.5	3031.1	3016.4
40°	3260.0	3248.3	3252.7	3359.9	3484.6	3502.2	3390.7	3314.4	3233.6	3217.5	3217.5
42.5°	3446.5	3433.2	3447.9	3487.6	3583.0	3569.8	3508.1	3452.3	3418.6	3401.0	3418.6
45°	3559.5	3556.5	3583.0	3612.3	3679.8	3635.8	3587.4	3596.2	3563.9	3534.5	3533.1
47.5°	3682.8	3663.7	3696.0	3740.0	3688.7	3668.1	3665.2	3684.2	3674.0	3622.6	3606.5
50°	3743.0	3735.6	3787.0	3838.4	3810.5	3763.5	3773.8	3804.6	3672.5	3603.5	3563.9
52.5°	3904.4	3905.9	4004.2	4032.1	4020.4	3951.4	3973.4	3889.7	3734.2	3637.3	3641.7
55°	4158.4	4148.1	4258.2	4340.4	4353.6	4265.5	4159.8	4042.4	3847.2	3748.8	3719.5
57°	4018.9	4042.4	4164.2	4407.9	4531.2	4427.0	4196.5	3982.2	3722.4	3603.5	3550.7
57.5°	3832.5	3870.7	4082.0	4327.2	4456.3	4447.5	4151.0	3870.7	3638.7	3453.8	3458.2
60°	2808.0	2815.3	3006.1	3395.1	3798.7	3807.5	3446.5	3075.1	2816.8	2615.7	2643.6
62.5°	1481.0	1514.8	1591.1	1903.8	2253.1	2338.2	2119.5	1928.7	1705.6	1553.0	1567.6
65°	783.8	779.4	816.1	904.2	1075.9	1120.0	1090.6	939.4	861.6	836.7	838.1
67.5°	637.0	644.4	640.0	644.4	656.1	675.2	670.8	676.7	681.1	688.4	686.9
70°	540.2	540.2	543.1	544.6	544.6	553.4	563.6	582.7	584.2	591.5	594.5
72.5°	425.7	422.7	427.1	437.4	438.9	446.2	460.9	472.6	477.0	477.0	468.2
75°	289.2	292.1	298.0	306.8	315.6	328.8	340.5	347.9	350.8	346.4	342.0
77.5°	162.9	165.9	170.3	183.5	193.8	205.5	218.7	226.0	233.4	234.9	226.0
80°	96.9	96.9	104.2	114.5	126.2	138.0	149.7	158.5	161.5	161.5	157.1
82.5°	58.7	60.2	66.1	76.3	86.6	93.9	104.2	111.6	117.4	116.0	113.0
85°	30.8	30.8	36.7	45.5	52.8	60.2	60.2	55.8	52.8	45.5	42.6
87.5°	10.3	8.8	11.7	11.7	10.3	11.7	11.7	13.2	13.2	13.2	13.2
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)