

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: P528174

Luminaire Tested: **GALN-SA3B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13124 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

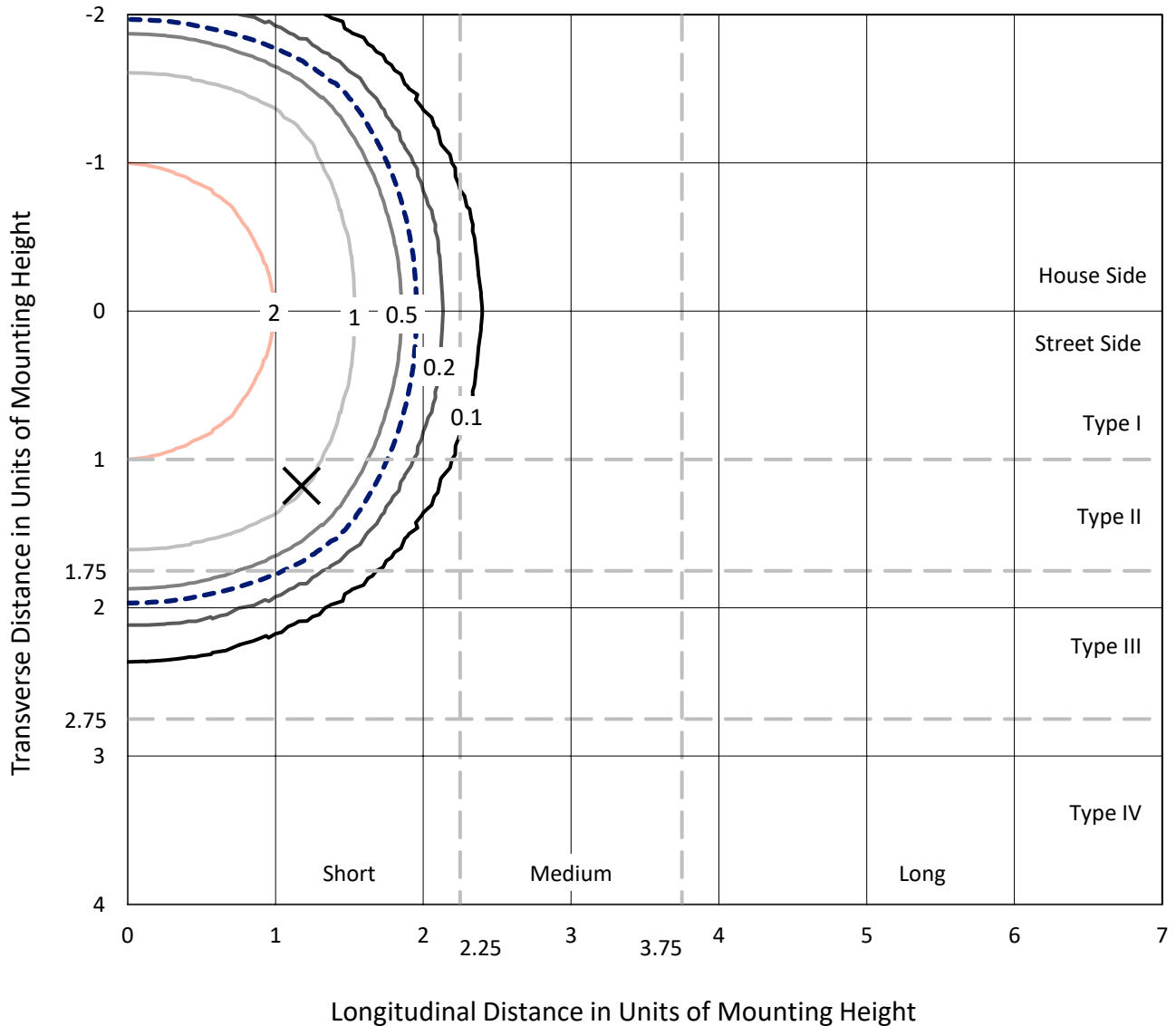
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528174
 CATALOG NUMBER: GALN-SA3B-730-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

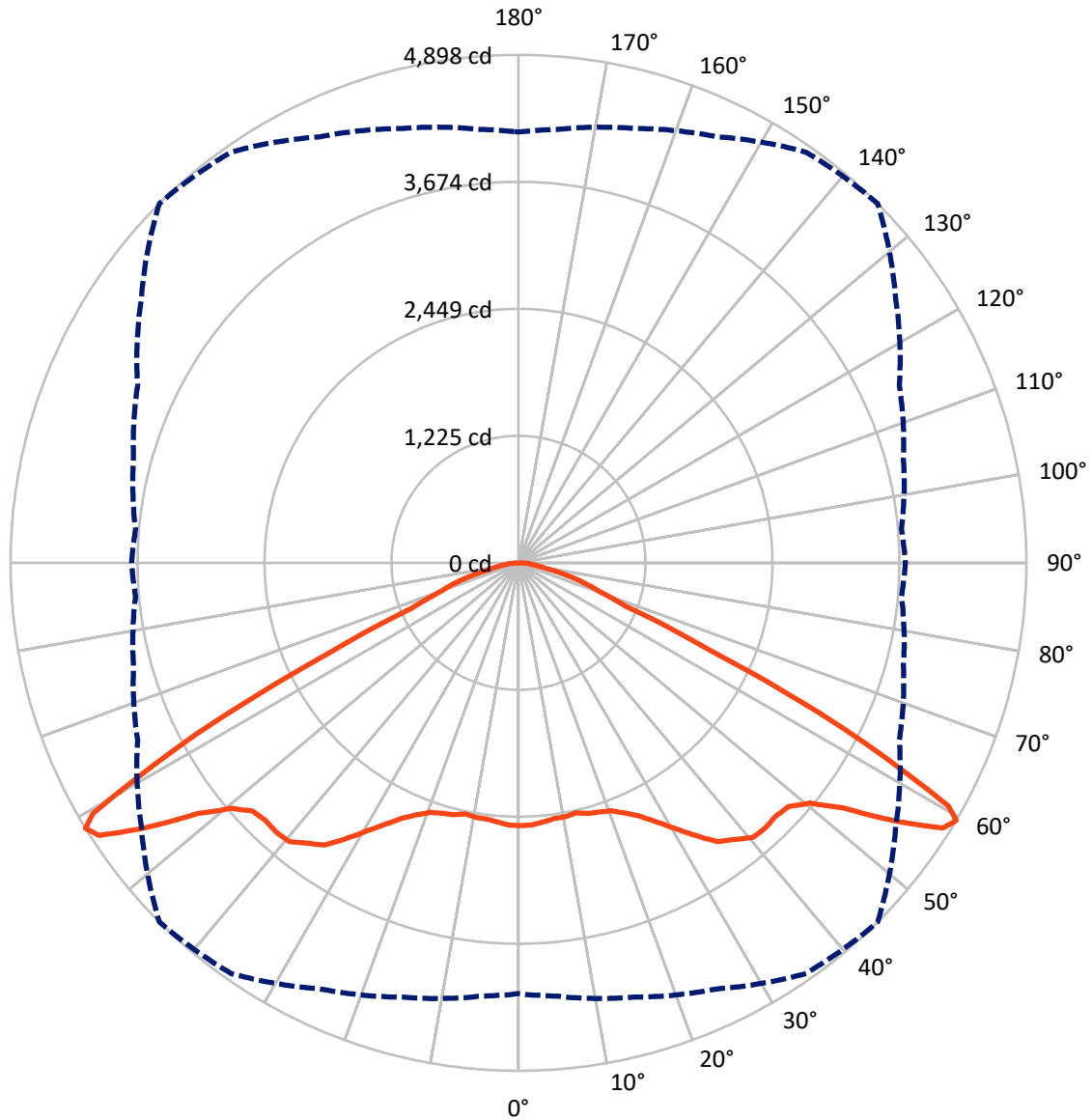
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

REPORT NUMBER: P528174
CATALOG NUMBER: GALN-SA3B-730-U-5WQ-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

REPORT NUMBER: P528174
 CATALOG NUMBER: GALN-SA3B-730-U-5WQ-GRSWH

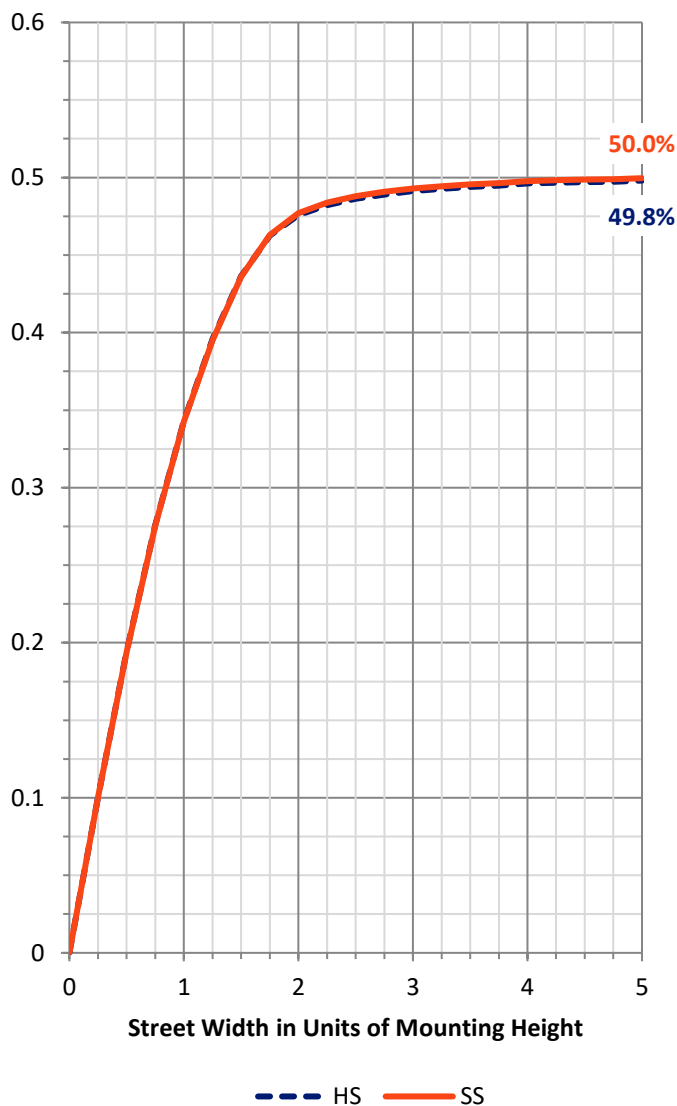
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6562.0	0.0	6562.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6562.0	0.0	6562.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13124.0	0.0	13124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	1.8
10°-20°	710.6	5.4
20°-30°	1240.9	9.5
30°-40°	1981.8	15.1
40°-50°	2699.6	20.6
50°-60°	3650.6	27.8
60°-70°	2002.0	15.3
70°-80°	512.2	3.9
80°-90°	87.4	0.7
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°	13124.0	100.0
0°-180°	13124.0	100.0

Coefficient of Utilization



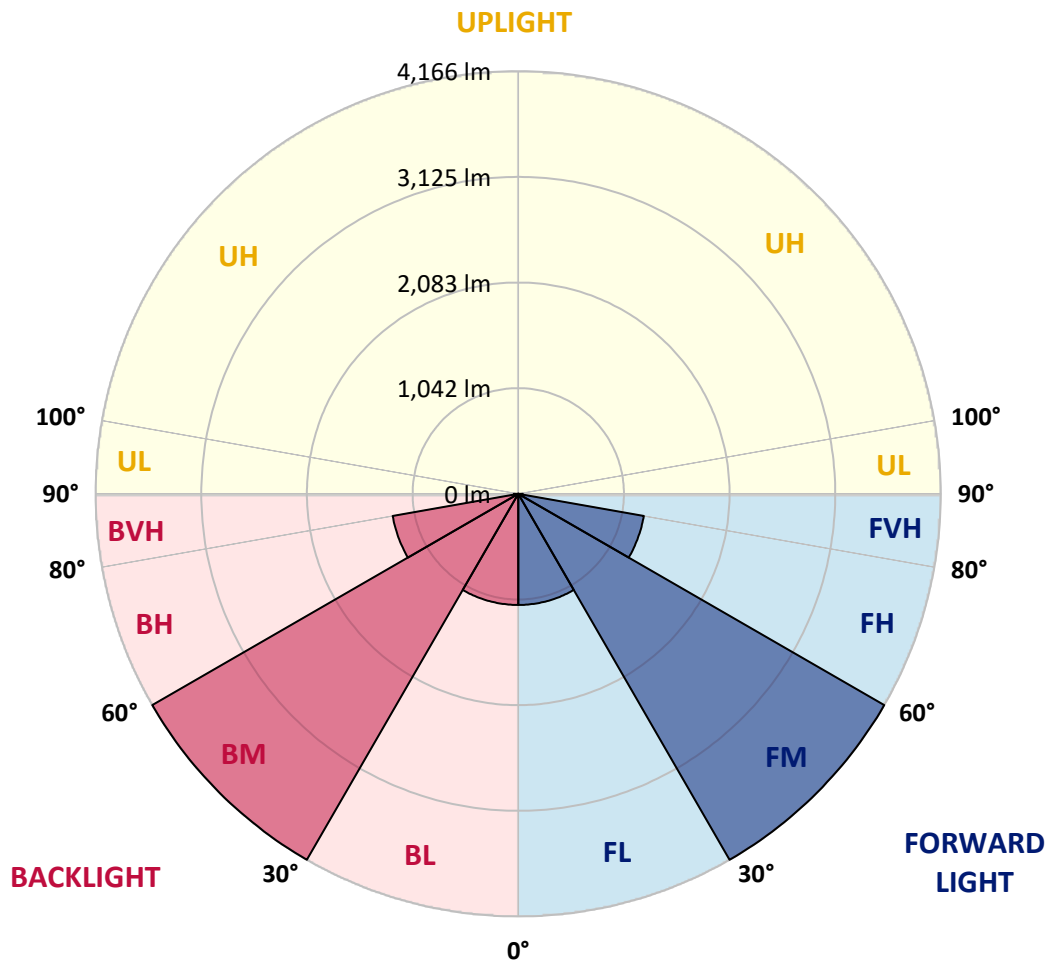
REPORT NUMBER: P528174
 CATALOG NUMBER: GALN-SA3B-730-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1095.2	8.3			
FM (30°-60°)	4166.0	31.7			
FH (60°-80°)	1257.1	9.6			G1/1800
FVH (80°-90°)	43.7	0.3			G1/100
BL (0°-30°)	1095.2	8.3	B3/2500		
BM (30°-60°)	4166.0	31.7	B3/5000		
BH (60°-80°)	1257.1	9.6	B3/2500		G1/1800
BVH (80°-90°)	43.7	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





REPORT NUMBER: P528174

CATALOG NUMBER: GALN-SA3B-730-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2534.9	2534.9	2534.9	2534.9	2534.9	2534.9	2534.9	2534.9	2534.9	2534.9	2534.9
2.5°	2519.8	2538.3	2524.8	2536.6	2534.9	2529.9	2521.5	2516.4	2509.7	2519.8	2503.0
5°	2509.7	2524.8	2540.0	2519.8	2519.8	2509.7	2504.7	2494.6	2494.6	2492.9	2491.2
7.5°	2526.5	2511.4	2504.7	2508.0	2511.4	2489.5	2504.7	2484.5	2467.6	2479.4	2492.9
10°	2511.4	2518.1	2492.9	2504.7	2486.1	2489.5	2479.4	2492.9	2474.4	2474.4	2474.4
12.5°	2526.5	2508.0	2516.4	2508.0	2503.0	2474.4	2487.8	2472.7	2471.0	2487.8	2472.7
15°	2556.8	2526.5	2519.8	2503.0	2508.0	2508.0	2494.6	2496.2	2477.7	2487.8	2491.2
17.5°	2546.7	2529.9	2524.8	2504.7	2521.5	2526.5	2501.3	2484.5	2496.2	2494.6	2492.9
20°	2555.1	2561.8	2556.8	2560.2	2566.9	2553.4	2529.9	2506.3	2491.2	2513.1	2511.4
22.5°	2608.9	2602.2	2598.8	2595.5	2607.3	2620.7	2588.8	2551.8	2551.8	2566.9	2573.6
25°	2652.7	2651.0	2649.3	2664.5	2704.8	2704.8	2664.5	2617.4	2605.6	2615.7	2607.3
27.5°	2716.6	2735.1	2728.4	2755.3	2814.2	2827.6	2773.8	2718.3	2686.3	2674.5	2689.7
30°	2862.9	2841.1	2846.1	2874.7	2926.9	2970.6	2888.2	2829.3	2785.6	2783.9	2790.6
32.5°	2960.5	2977.3	2992.5	3019.4	3101.8	3135.4	3036.2	2940.3	2913.4	2898.3	2903.3
35°	3155.6	3140.5	3137.1	3164.0	3246.5	3302.0	3177.5	3093.4	3058.1	3091.7	3091.7
37.5°	3340.7	3298.6	3266.6	3302.0	3377.7	3384.4	3278.4	3233.0	3214.5	3253.2	3251.5
40°	3428.1	3424.8	3350.7	3370.9	3471.9	3482.0	3382.7	3328.9	3325.5	3376.0	3426.4
42.5°	3519.0	3487.0	3413.0	3426.4	3488.7	3492.0	3397.8	3382.7	3419.7	3468.5	3471.9
45°	3534.1	3507.2	3460.1	3426.4	3471.9	3482.0	3426.4	3436.5	3439.9	3498.8	3498.8
47.5°	3564.4	3561.0	3534.1	3508.9	3517.3	3508.9	3473.5	3488.7	3539.1	3567.7	3554.3
50°	3648.5	3613.2	3640.1	3618.2	3619.9	3643.4	3611.5	3626.6	3616.5	3591.3	3574.5
52.5°	3833.5	3816.7	3840.2	3855.4	3872.2	3926.0	3889.0	3808.3	3732.6	3665.3	3663.6
55°	4104.3	4116.1	4161.5	4238.9	4304.5	4390.3	4212.0	4018.5	3897.4	3791.5	3798.2
57.5°	4360.0	4351.6	4413.8	4590.5	4782.2	4826.0	4476.1	4200.2	4003.4	3936.1	3907.5
59°	4154.8	4195.2	4336.5	4533.3	4834.4	4898.3	4440.8	4052.2	3843.6	3707.4	3730.9
60°	3831.8	3847.0	3973.1	4247.3	4654.4	4763.7	4203.6	3823.4	3545.9	3466.8	3502.1
62.5°	2708.2	2696.4	2787.2	3011.0	3376.0	3524.0	3125.3	2857.9	2683.0	2595.5	2615.7
65°	1439.9	1493.7	1530.7	1670.3	1863.8	2020.2	1855.4	1739.3	1641.7	1569.4	1567.7
67.5°	972.3	965.5	973.9	1005.9	1071.5	1115.2	1111.9	1053.0	1044.6	1031.1	1046.3
70°	819.2	815.8	800.7	800.7	814.1	824.2	836.0	842.7	856.2	873.0	871.3
72.5°	664.4	656.0	645.9	640.9	657.7	662.7	677.9	684.6	696.4	694.7	709.8
75°	439.0	439.0	450.8	464.3	469.3	479.4	481.1	501.3	501.3	504.6	491.2
77.5°	245.6	238.9	247.3	260.7	272.5	291.0	309.5	324.6	333.1	329.7	329.7
80°	143.0	143.0	151.4	166.5	181.7	198.5	211.9	223.7	232.1	228.8	222.0
82.5°	89.2	89.2	97.6	112.7	124.5	134.6	153.1	168.2	178.3	174.9	166.5
85°	45.4	45.4	55.5	65.6	80.7	87.5	85.8	79.1	77.4	69.0	69.0
87.5°	11.8	11.8	16.8	18.5	15.1	16.8	16.8	16.8	16.8	16.8	18.5
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)