

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: P528334

Luminaire Tested: **GALN-SA3B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11828 lumens
Efficiency: N/A
Efficacy: 97.8 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



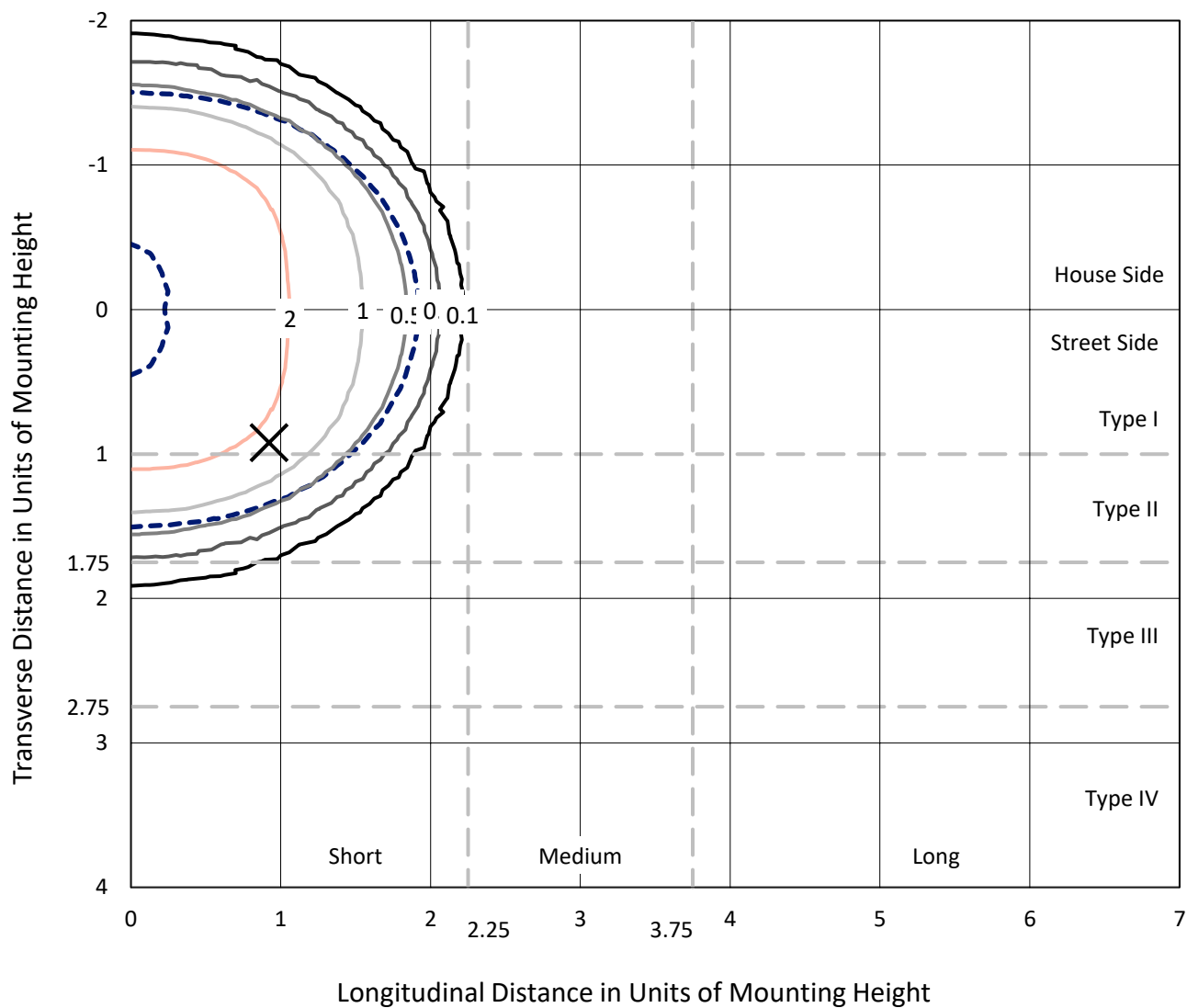
REPORT NUMBER: P528334

CATALOG NUMBER: GALN-SA3B-830-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

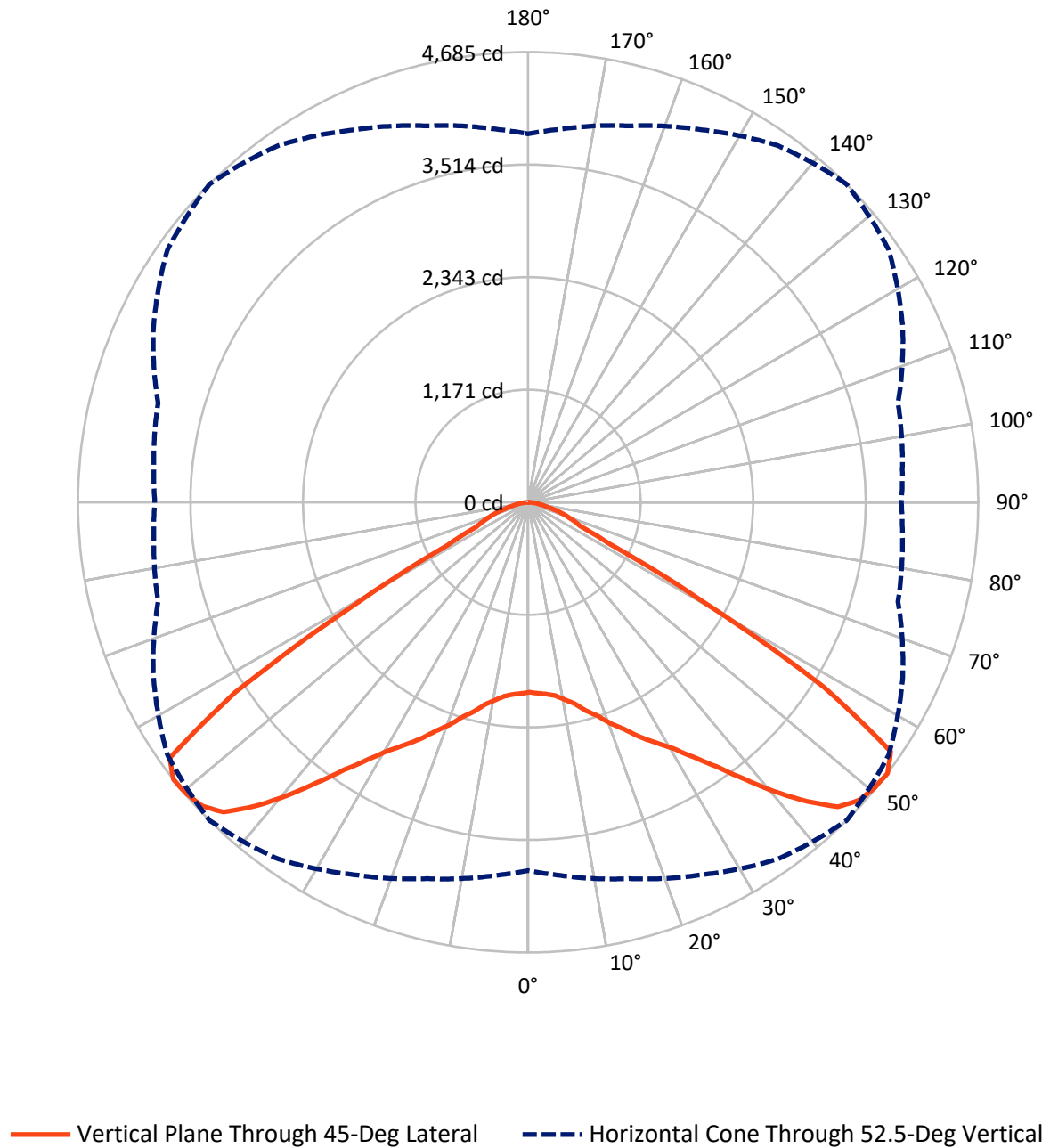


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

REPORT NUMBER: P528334

CATALOG NUMBER: GALN-SA3B-830-U-RW-GRSWH

Luminous Intensity Polar Plot



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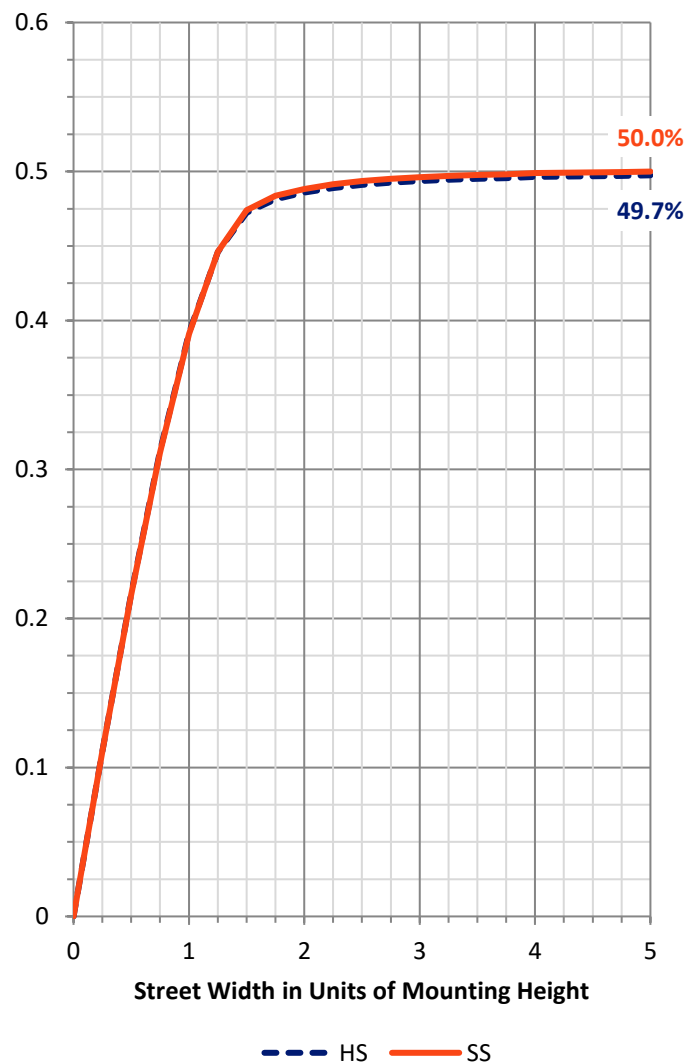
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5914.0	0.0	5914.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5914.0	0.0	5914.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11828.0	0.0	11828.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	1.6
10°-20°	638.3	5.4
20°-30°	1215.2	10.3
30°-40°	2086.7	17.6
40°-50°	3207.3	27.1
50°-60°	3256.9	27.5
60°-70°	907.7	7.7
70°-80°	267.7	2.3
80°-90°	53.9	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°	11828.0	100.0
0°-180°	11828.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528334

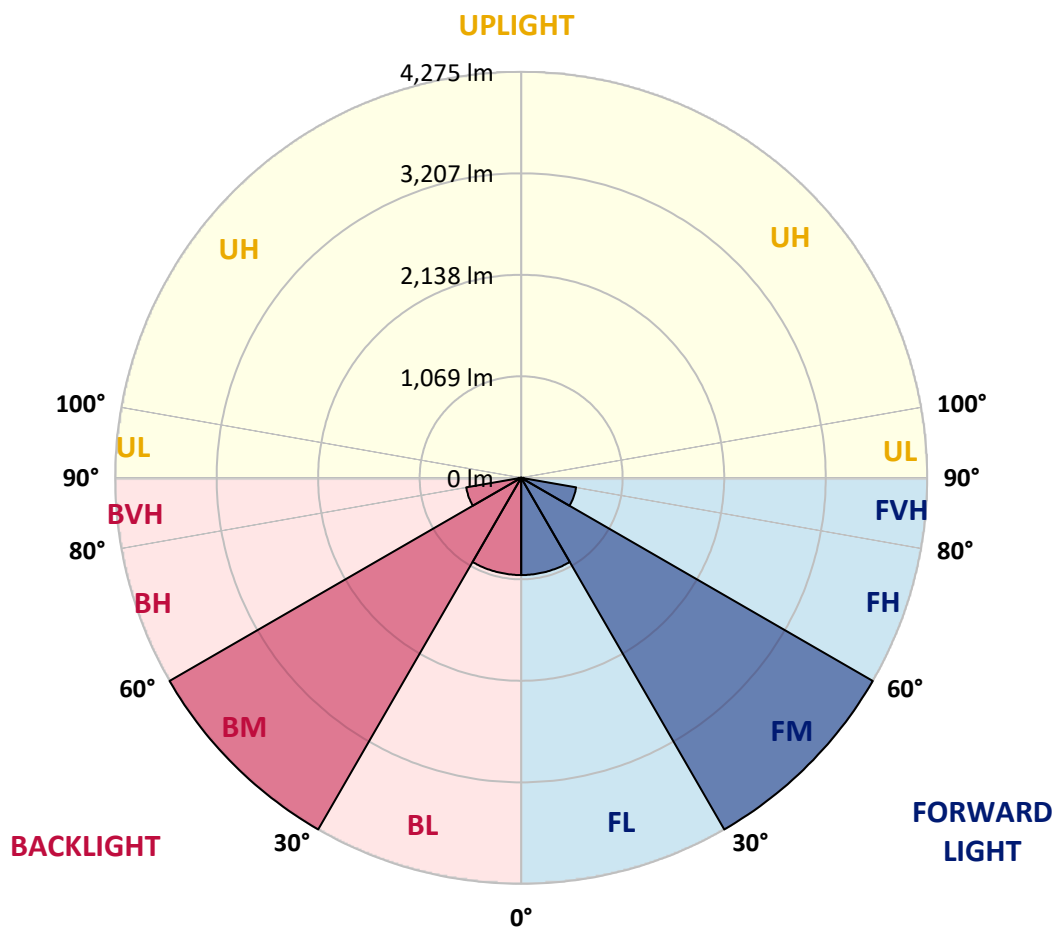
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1023.9	8.7			
FM	(30°-60°)	4275.4	36.1			
FH	(60°-80°)	587.7	5.0			G0/660
FVH	(80°-90°)	27.0	0.2			G1/100
BL	(0°-30°)	1023.9	8.7	B3/2500		
BM	(30°-60°)	4275.4	36.1	B3/5000		
BH	(60°-80°)	587.7	5.0	B2/1000		G0/660
BVH	(80°-90°)	27.0	0.2			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°	1977.2	1977.2	1977.2	1977.2	1977.2	1977.2	1977.2	1977.2	1977.2	1977.2	1977.2
2.5°	1981.6	1961.1	1968.4	1972.8	1991.9	1990.4	1986.0	1991.9	1997.8	1999.2	1996.3
5°	1980.1	1965.5	1971.3	1975.7	1994.8	2005.1	2002.2	2027.1	2044.7	2040.3	2062.3
7.5°	1968.4	1977.2	1969.9	1991.9	2008.0	2033.0	2059.4	2082.9	2104.9	2129.9	2134.3
10°	1994.8	1994.8	2008.0	2025.6	2068.2	2087.3	2125.5	2159.2	2201.8	2231.1	2219.4
12.5°	2022.7	2027.1	2027.1	2072.6	2107.8	2150.4	2185.6	2231.1	2291.3	2326.6	2344.2
15°	2050.6	2053.5	2068.2	2129.9	2182.7	2250.2	2282.5	2323.6	2357.4	2423.4	2424.9
17.5°	2075.6	2091.7	2135.7	2204.7	2270.8	2335.4	2386.7	2429.3	2458.7	2485.1	2479.2
20°	2169.5	2181.2	2226.7	2295.7	2394.1	2457.2	2474.8	2482.1	2501.2	2554.1	2537.9
22.5°	2260.5	2264.9	2307.5	2413.2	2482.1	2565.8	2584.9	2580.5	2587.8	2601.0	2624.5
25°	2354.4	2361.8	2420.5	2510.0	2606.9	2706.7	2722.9	2689.1	2678.8	2693.5	2695.0
27.5°	2474.8	2476.3	2551.1	2628.9	2739.0	2833.0	2857.9	2831.5	2783.1	2794.8	2813.9
30°	2627.5	2617.2	2692.1	2803.6	2919.6	2972.4	3015.0	3001.8	2948.9	2938.7	2922.5
32.5°	2803.6	2806.5	2874.1	2995.9	3072.2	3160.3	3205.8	3183.8	3150.0	3132.4	3142.7
35°	3051.7	3064.9	3110.4	3211.7	3335.0	3379.0	3450.9	3404.0	3315.9	3337.9	3357.0
37.5°	3255.7	3293.9	3379.0	3499.4	3572.8	3653.5	3679.9	3616.8	3552.2	3525.8	3588.9
40°	3568.4	3556.6	3650.6	3770.9	3879.6	3960.3	3926.5	3863.4	3703.4	3704.9	3722.5
42.5°	3837.0	3842.9	3914.8	4058.6	4206.9	4256.8	4149.6	3995.5	3817.9	3798.8	3837.0
45°	4063.0	4086.5	4127.6	4319.9	4465.2	4519.5	4321.4	4139.4	3901.6	3822.3	3885.4
47.5°	4143.8	4181.9	4271.5	4447.6	4591.5	4635.5	4477.0	4215.7	3979.4	3850.2	3884.0
50°	4155.5	4142.3	4289.1	4450.5	4576.8	4672.2	4532.7	4271.5	3960.3	3892.8	3882.5
52.5°	3834.0	3898.6	4055.7	4277.3	4532.7	4685.4	4582.7	4302.3	3986.7	3910.4	3885.4
55°	3103.1	3026.7	3313.0	3685.8	4155.5	4579.7	4565.0	4318.4	4002.9	3939.7	3906.0
57.5°	1732.1	1754.1	1915.6	2320.7	2926.9	3631.5	4058.6	4148.2	3995.5	3958.8	3976.4
60°	801.5	808.8	877.8	1067.1	1442.9	2059.4	2621.6	3192.6	3455.3	3508.2	3508.2
62.5°	597.4	594.5	612.1	645.9	725.1	946.8	1263.8	1717.4	2078.5	2331.0	2397.0
65°	540.2	538.7	547.5	559.3	565.1	596.0	666.4	805.9	923.3	990.8	979.1
67.5°	472.7	471.2	474.1	481.5	491.7	507.9	525.5	554.9	596.0	593.0	585.7
70°	381.6	381.6	386.0	391.9	403.7	422.7	443.3	463.8	499.1	506.4	504.9
72.5°	281.8	277.4	286.2	298.0	309.7	333.2	355.2	374.3	399.3	406.6	403.7
75°	179.1	182.0	187.9	201.1	221.6	237.8	261.3	277.4	293.6	299.4	300.9
77.5°	99.8	102.8	113.0	129.2	149.7	167.3	187.9	201.1	211.4	212.8	214.3
80°	60.2	61.7	71.9	86.6	104.2	123.3	139.4	152.7	161.5	157.1	155.6
82.5°	36.7	38.2	47.0	60.2	74.9	89.5	107.2	118.9	127.7	121.8	116.0
85°	19.1	20.6	27.9	36.7	48.4	55.8	55.8	49.9	48.4	45.5	44.0
87.5°	5.9	5.9	7.3	8.8	7.3	8.8	10.3	11.7	11.7	13.2	11.7
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)