

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: P951071

Luminaire Tested: **GALN-SB5B-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26320 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

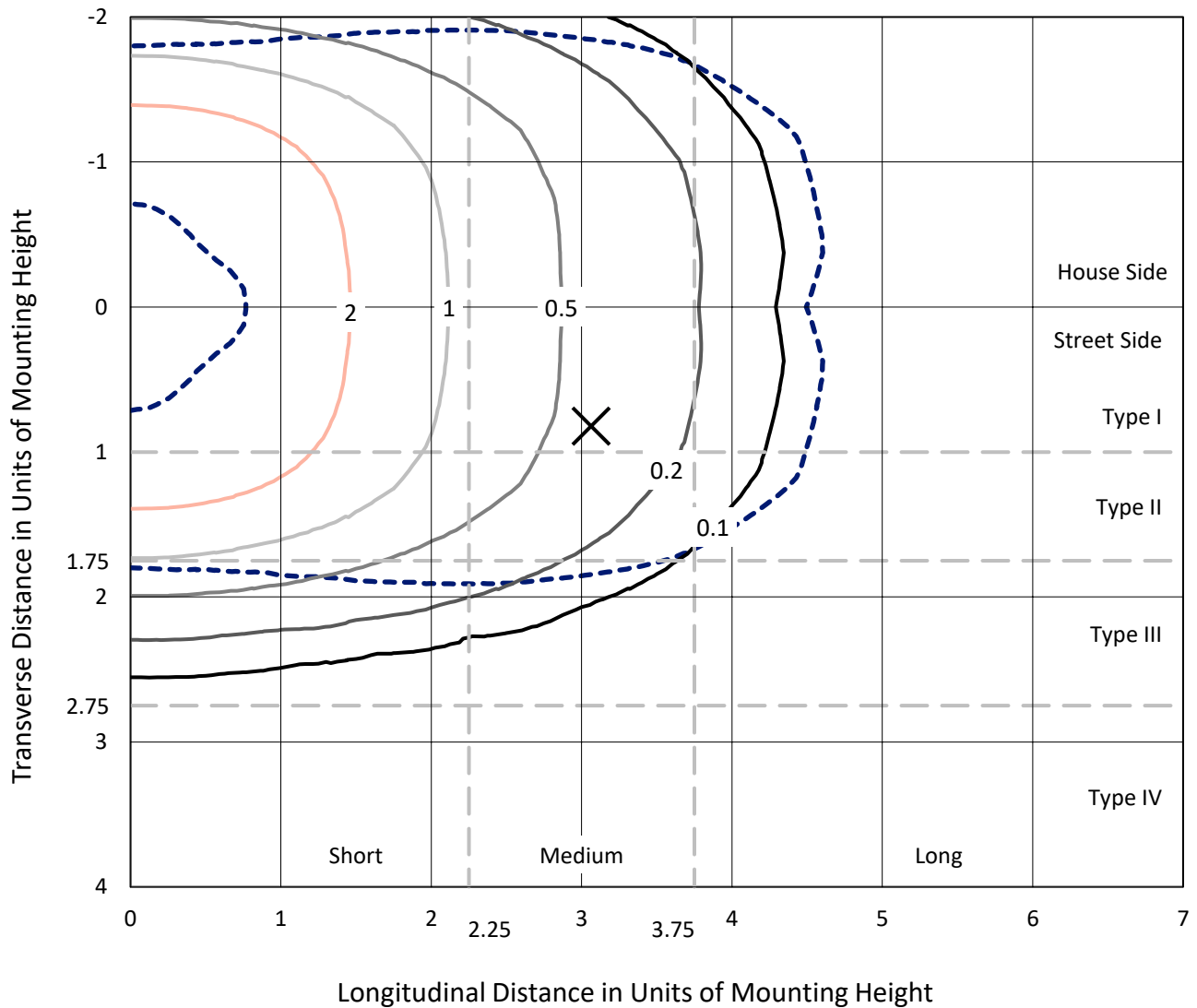
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951071
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Iso-Footcandle Lines of Horizontal Illumination

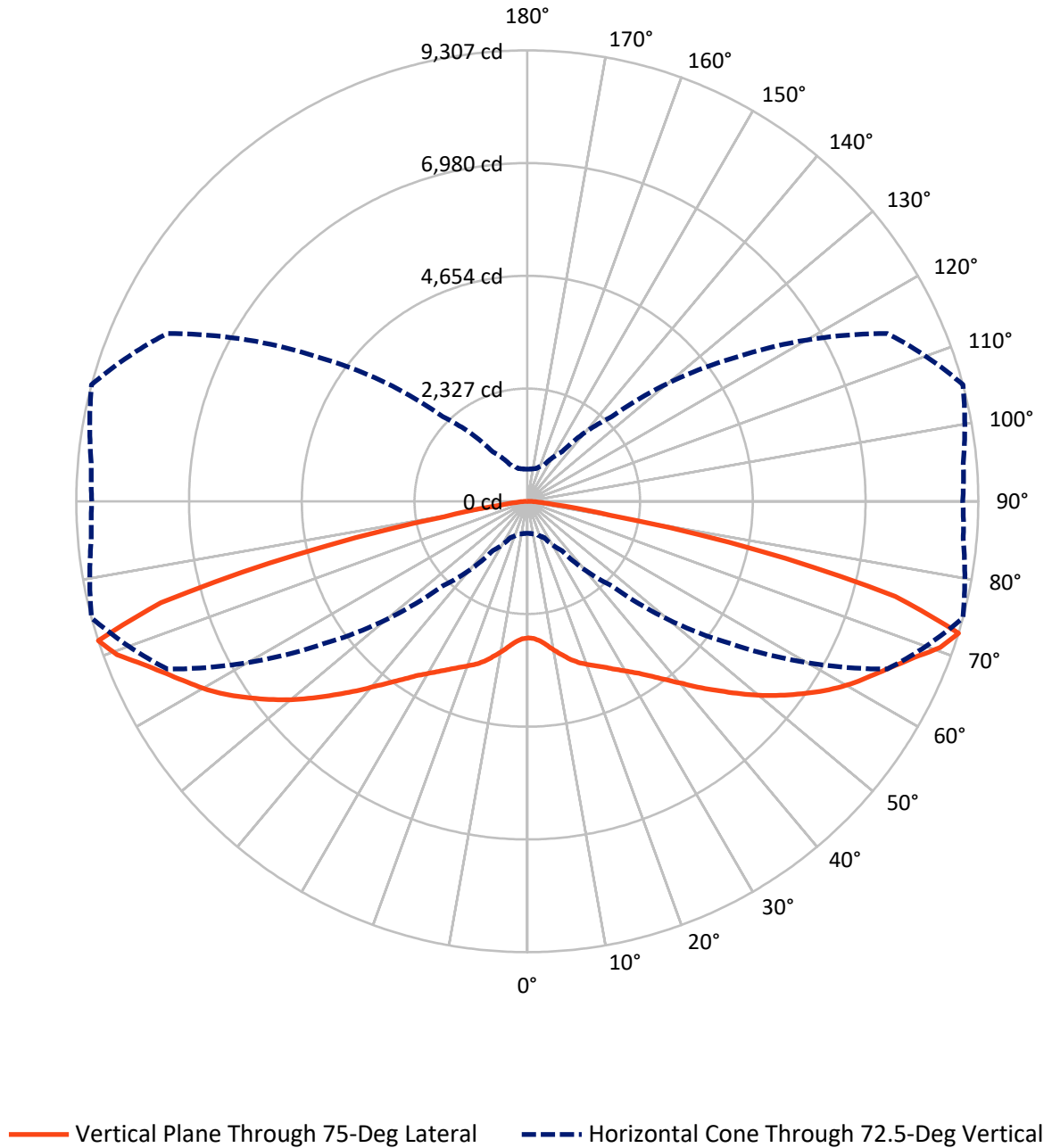
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P951071
CATALOG NUMBER: GALN-SB5B-830-U-RW

Luminous Intensity Polar Plot



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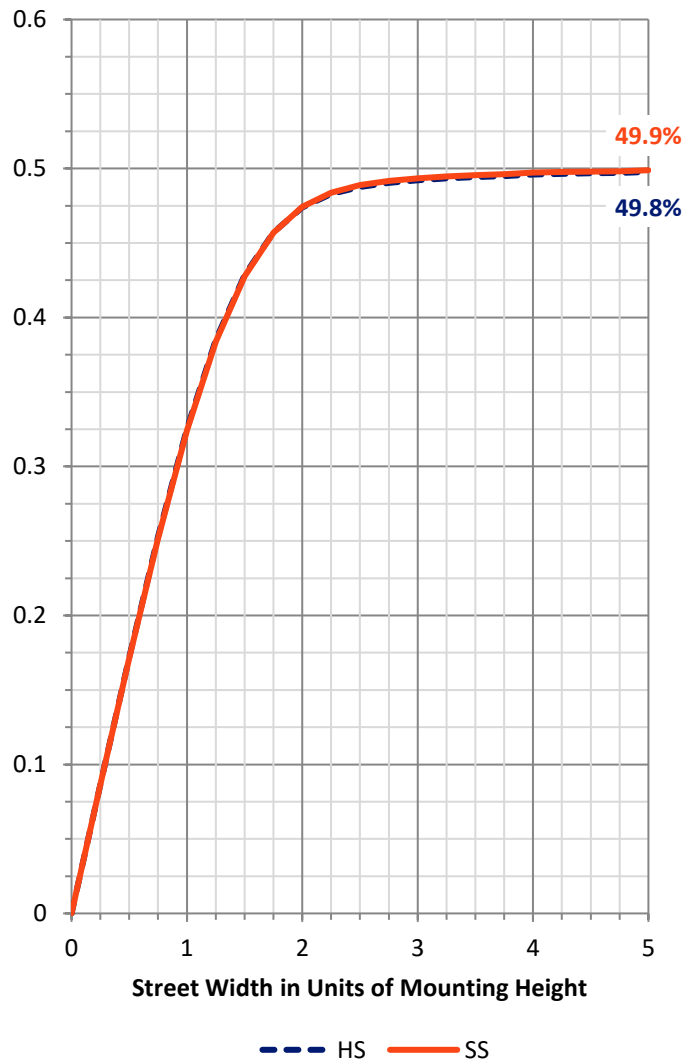
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13160.0	0.0	13160.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13160.0	0.0	13160.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26320.0	0.0	26320.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	1.0
10°-20°	910.9	3.5
20°-30°	1760.1	6.7
30°-40°	2972.1	11.3
40°-50°	4713.4	17.9
50°-60°	6310.6	24.0
60°-70°	6005.7	22.8
70°-80°	3133.9	11.9
80°-90°	237.2	0.9
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°	26320.0	100.0
0°-180°	26320.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951071

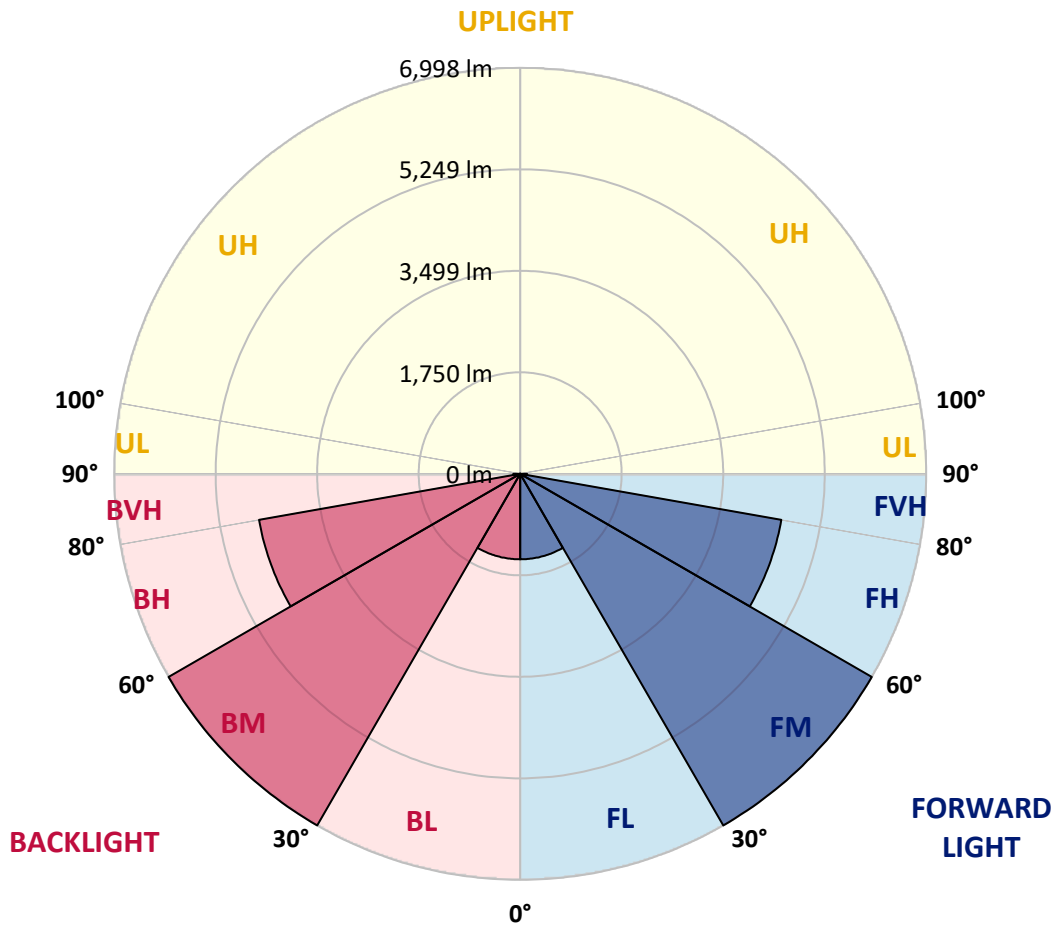
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1473.6	5.6			
FM (30°-60°)	6998.0	26.6			
FH (60°-80°)	4569.8	17.4			G2/5000
FVH (80°-90°)	118.6	0.5			G2/225
BL (0°-30°)	1473.6	5.6	B3/2500		
BM (30°-60°)	6998.0	26.6	B4/8500		
BH (60°-80°)	4569.8	17.4	B4/5000		G4/5000
BVH (80°-90°)	118.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2819.3	2819.3	2819.3	2819.3	2819.3	2819.3	2819.3	2819.3	2819.3	2819.3
2.5°	2819.3	2816.7	2819.3	2822.0	2820.7	2820.7	2827.4	2831.4	2839.5	2838.2
5°	2800.5	2799.2	2809.9	2822.0	2831.4	2847.6	2867.7	2882.5	2901.3	2905.3
7.5°	2791.1	2787.1	2805.9	2827.4	2857.0	2897.3	2936.3	2976.6	3008.8	3019.6
10°	2797.8	2799.2	2824.7	2865.0	2912.1	2968.5	3023.6	3092.1	3137.8	3148.6
12.5°	2828.7	2826.1	2869.1	2933.6	2998.1	3069.3	3133.8	3209.1	3258.8	3284.3
15°	2885.2	2879.8	2940.3	3035.7	3129.8	3213.1	3265.5	3336.7	3394.5	3426.8
17.5°	2952.4	2955.1	3034.4	3158.0	3281.6	3375.7	3425.4	3461.7	3506.0	3534.3
20°	3070.6	3076.0	3164.7	3311.2	3452.3	3559.8	3600.1	3586.7	3598.8	3620.3
22.5°	3229.2	3231.9	3331.3	3489.9	3637.7	3756.0	3782.9	3727.8	3694.2	3709.0
25°	3413.3	3430.8	3530.2	3692.8	3844.7	3957.6	3969.7	3886.3	3803.0	3807.1
27.5°	3637.7	3653.9	3754.6	3915.9	4070.4	4168.5	4167.2	4055.7	3933.4	3902.5
30°	3881.0	3898.4	4001.9	4168.5	4312.3	4398.3	4379.5	4246.5	4071.8	4014.0
32.5°	4169.9	4180.6	4285.5	4452.1	4585.1	4653.7	4614.7	4450.7	4233.0	4167.2
35°	4519.3	4535.4	4613.3	4770.6	4887.5	4943.9	4878.1	4684.6	4440.0	4366.1
37.5°	4918.4	4907.6	4996.3	5136.1	5232.9	5267.8	5177.8	4948.0	4676.5	4589.2
40°	5335.0	5329.6	5426.4	5560.7	5613.2	5634.7	5501.6	5250.3	4949.3	4855.2
42.5°	5712.6	5708.6	5838.9	5988.1	6051.2	6027.1	5859.1	5571.5	5265.1	5157.6
45°	6015.0	6009.6	6169.5	6379.1	6502.8	6462.5	6236.7	5926.3	5584.9	5473.4
47.5°	6247.4	6250.1	6422.1	6681.5	6897.8	6912.6	6622.4	6287.8	5937.0	5810.7
50°	6415.4	6423.5	6607.6	6895.2	7190.8	7321.2	7016.1	6658.6	6301.2	6158.7
52.5°	6457.1	6471.9	6693.6	7030.9	7378.9	7627.5	7416.6	7014.8	6646.6	6510.8
55°	6235.3	6264.9	6545.8	7020.1	7494.5	7829.1	7768.6	7376.3	6994.6	6854.8
57.5°	5726.0	5767.7	6095.6	6715.1	7469.0	7967.5	8041.4	7723.0	7342.7	7208.3
60°	5012.5	5062.2	5376.6	6052.6	7108.8	8018.6	8233.6	8060.3	7662.5	7532.1
62.5°	3936.1	4000.6	4376.8	5169.7	6348.2	7780.7	8397.6	8365.3	7950.1	7787.5
65°	2525.0	2593.6	2990.0	3926.7	5333.6	7052.4	8448.6	8662.3	8253.8	8026.7
67.5°	1522.6	1553.5	1749.7	2379.9	3898.4	5954.5	8015.9	8991.5	8608.5	8326.3
70°	974.3	991.7	1108.7	1397.6	2203.9	4344.6	6943.5	9053.3	9038.6	8634.1
72.5°	661.2	666.5	697.4	827.8	1247.1	2468.6	5121.3	8196.0	9307.3	9030.5
75°	483.8	513.3	563.1	585.9	708.2	1233.6	2934.9	5758.3	7843.9	7964.8
77.5°	360.1	361.5	430.0	456.9	505.3	657.1	1241.7	3214.4	4870.0	5113.3
80°	305.0	288.9	287.6	368.2	380.3	409.9	555.0	1110.0	1744.3	1057.6
82.5°	254.0	236.5	213.7	287.6	259.4	251.3	240.5	451.5	555.0	272.8
85°	177.4	169.3	161.3	188.1	147.8	126.3	115.6	211.0	233.8	115.6
87.5°	76.6	79.3	80.6	83.3	61.8	44.3	44.3	59.1	59.1	45.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2819.3
2836.8
2905.3
3022.3
3159.3
3295.1
3438.8
3547.7
3636.4
3719.7
3813.8
3911.9
4020.7
4183.3
4376.8
4605.3
4886.1
5184.5
5498.9
5848.3
6201.7
6545.8
6893.8
7239.2
7560.4
7806.3
8054.9
8347.8
8631.4
8987.5
7671.9
4560.9
799.6
232.5
102.1
33.6
0.0

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