

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: P952205

Luminaire Tested: **GALN-SB6A-850-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952205
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-SB6A-850-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26793 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

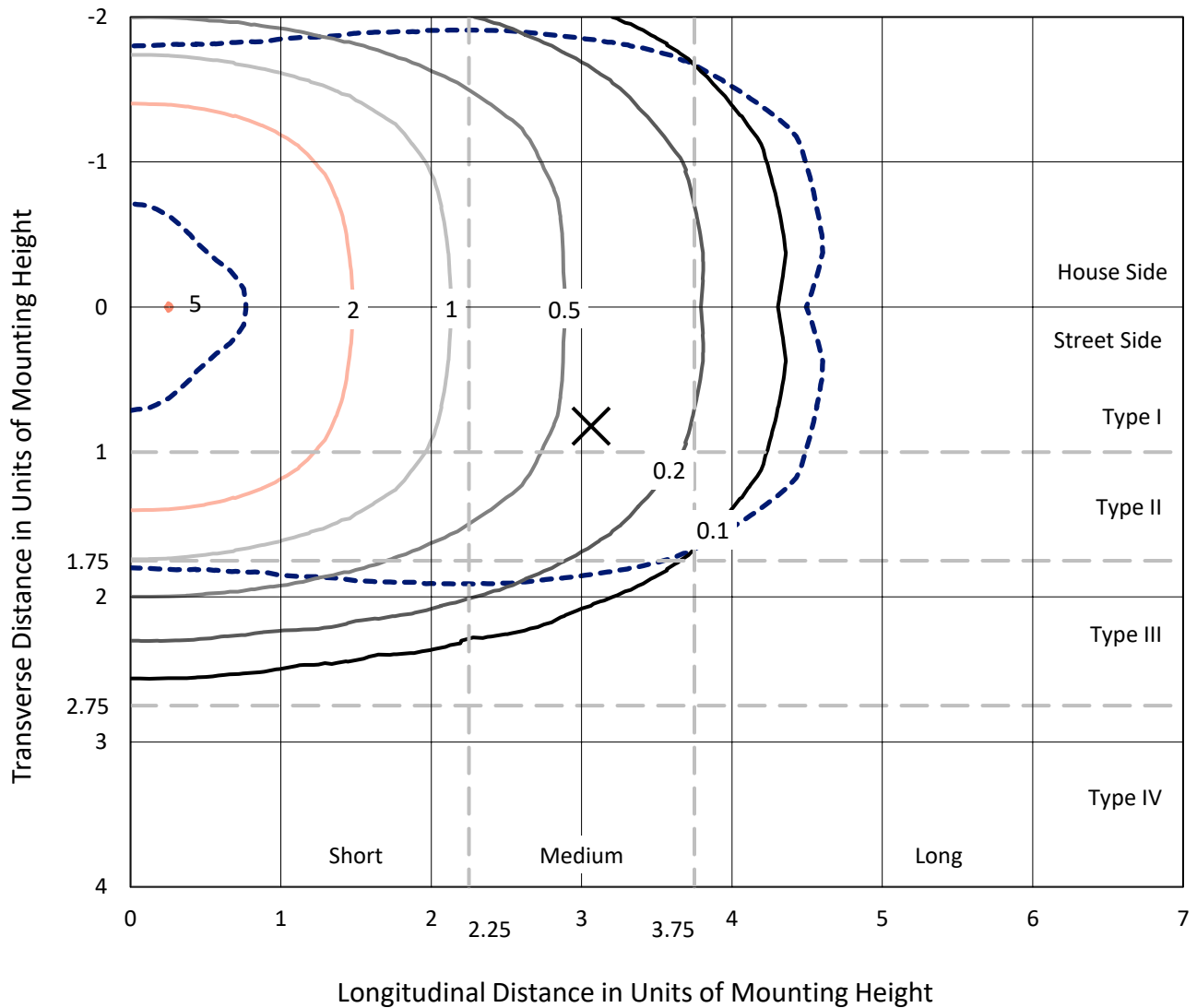
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952205
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Iso-Footcandle Lines of Horizontal Illumination

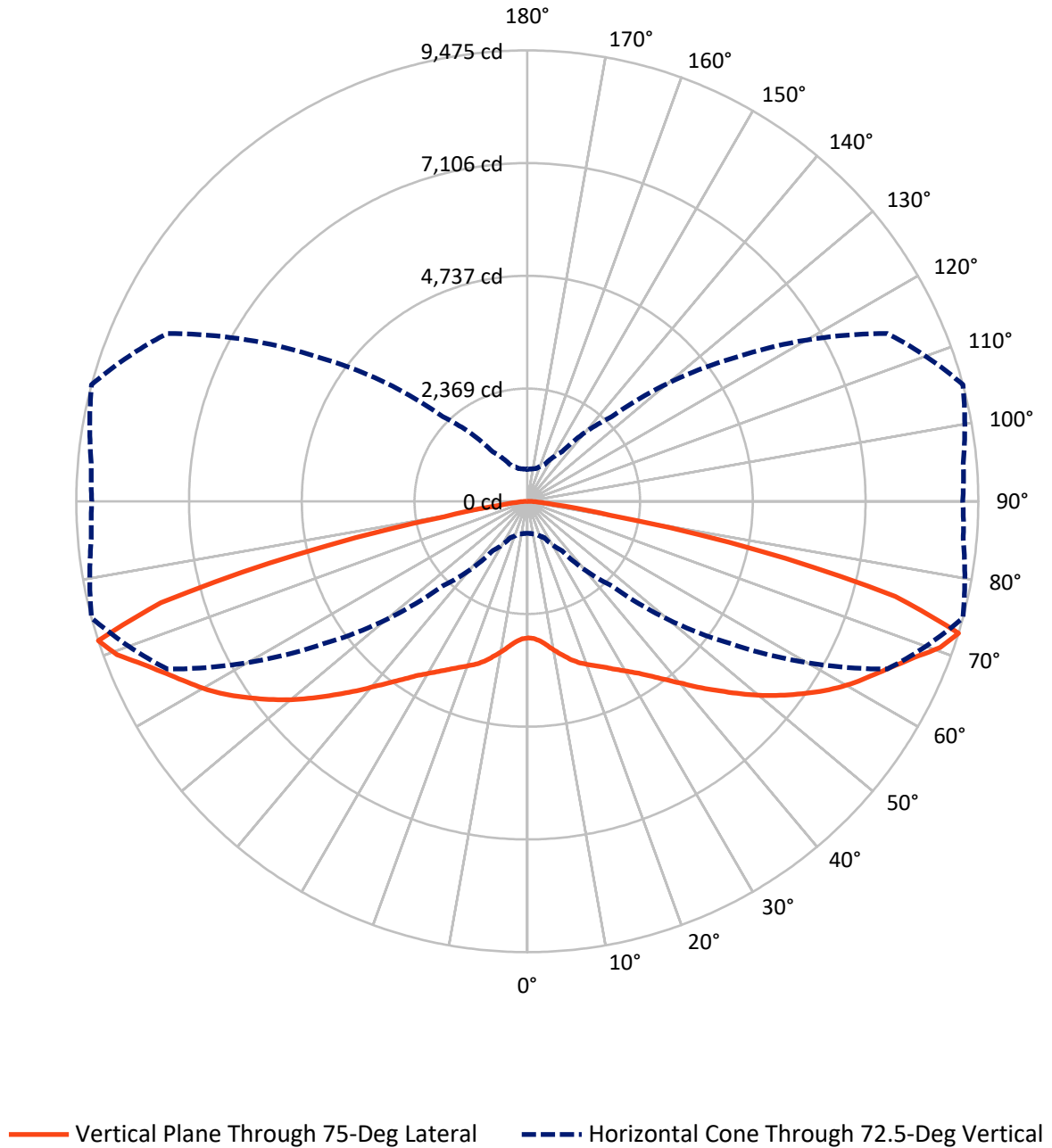
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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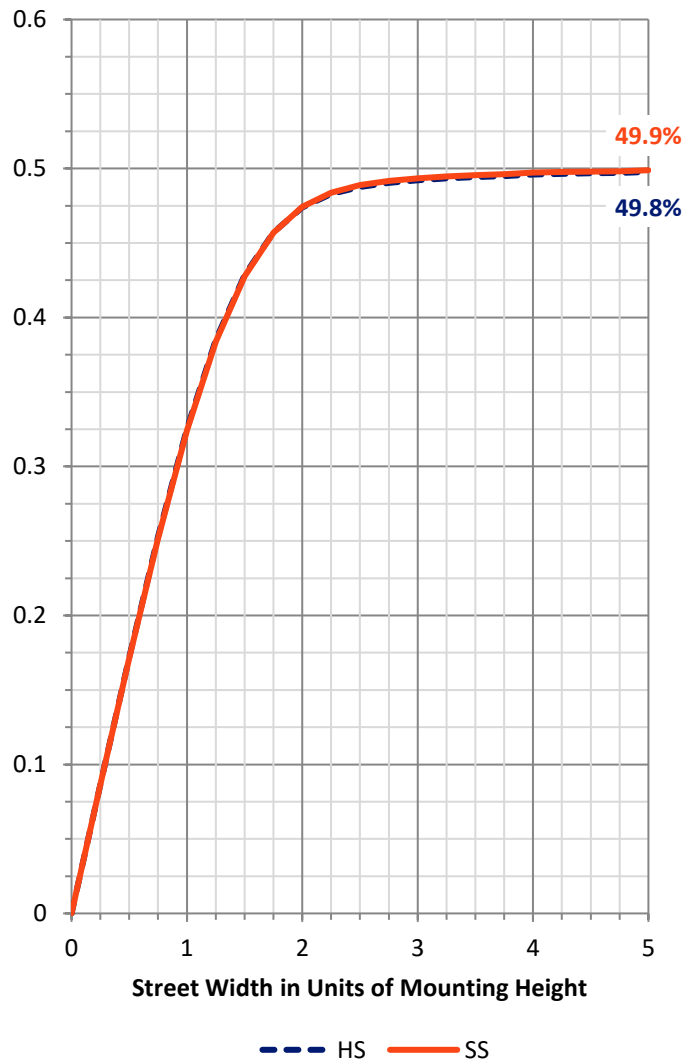
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13396.5	0.0	13396.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13396.5	0.0	13396.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26793.0	0.0	26793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.1	1.0
10°-20°	927.3	3.5
20°-30°	1791.7	6.7
30°-40°	3025.5	11.3
40°-50°	4798.1	17.9
50°-60°	6424.0	24.0
60°-70°	6113.6	22.8
70°-80°	3190.2	11.9
80°-90°	241.5	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°	26793.0	100.0
0°-180°	26793.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952205

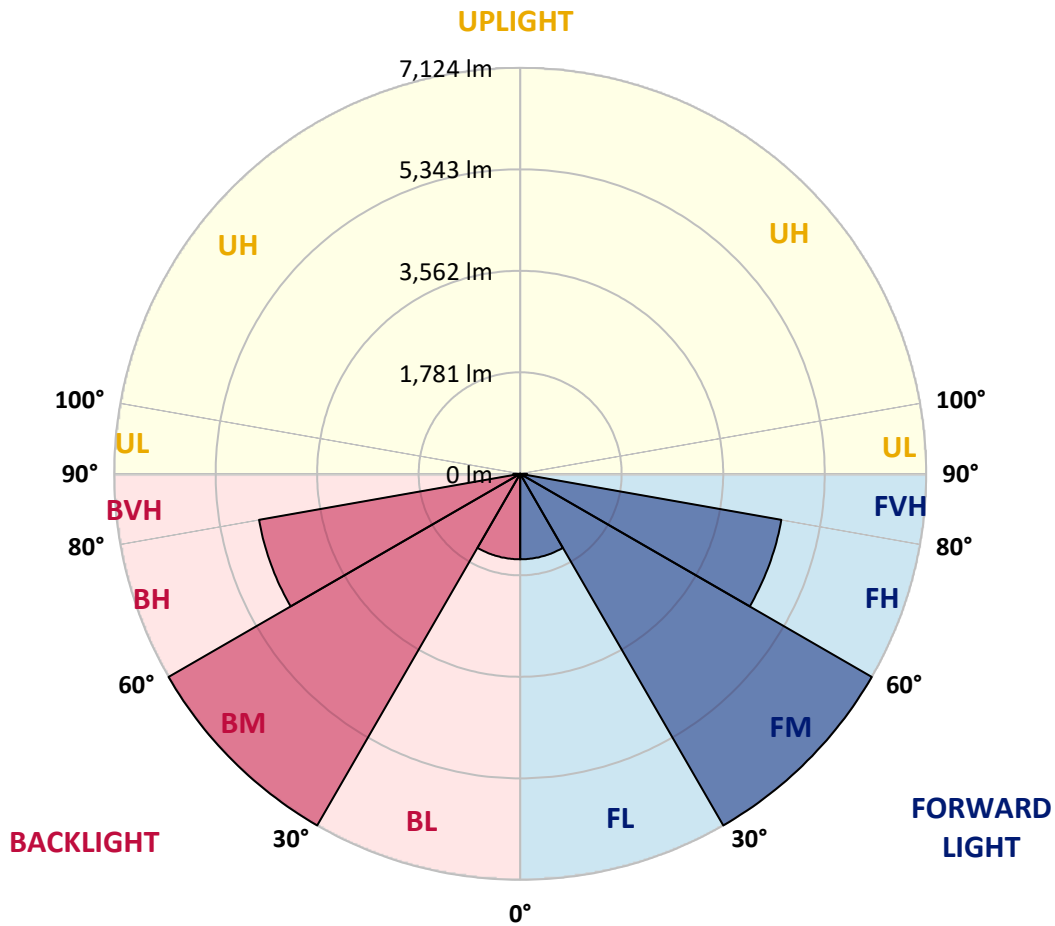
CATALOG NUMBER: GALN-SB6A-850-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.1	5.6			
FM (30°-60°)	7123.8	26.6			
FH (60°-80°)	4651.9	17.4			G2/5000
FVH (80°-90°)	120.7	0.5			G2/225
BL (0°-30°)	1500.1	5.6	B3/2500		
BM (30°-60°)	7123.8	26.6	B4/8500		
BH (60°-80°)	4651.9	17.4	B4/5000		G4/5000
BVH (80°-90°)	120.7	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°	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0	2870.0
2.5°	2870.0	2867.3	2870.0	2872.7	2871.4	2871.4	2878.2	2882.3	2890.5	2889.2
5°	2850.9	2849.5	2860.4	2872.7	2882.3	2898.7	2919.3	2934.3	2953.5	2957.6
7.5°	2841.3	2837.2	2856.3	2878.2	2908.3	2949.4	2989.0	3030.1	3062.9	3073.8
10°	2848.1	2849.5	2875.5	2916.5	2964.4	3021.9	3077.9	3147.7	3194.2	3205.2
12.5°	2879.6	2876.8	2920.6	2986.3	3052.0	3124.5	3190.1	3266.7	3317.3	3343.3
15°	2937.0	2931.6	2993.1	3090.3	3186.0	3270.8	3324.2	3396.7	3455.5	3488.3
17.5°	3005.4	3008.2	3088.9	3214.7	3340.6	3436.4	3487.0	3523.9	3569.0	3597.8
20°	3125.8	3131.3	3221.6	3370.7	3514.3	3623.8	3664.8	3651.1	3663.4	3685.3
22.5°	3287.2	3290.0	3391.2	3552.6	3703.1	3823.5	3850.8	3794.8	3760.6	3775.6
25°	3474.7	3492.4	3593.7	3759.2	3913.8	4028.7	4041.0	3956.2	3871.4	3875.5
27.5°	3703.1	3719.5	3822.1	3986.3	4143.6	4243.5	4242.1	4128.5	4004.1	3972.6
30°	3950.7	3968.5	4073.8	4243.5	4389.8	4477.4	4458.2	4322.8	4145.0	4086.1
32.5°	4244.8	4255.8	4362.5	4532.1	4667.5	4737.3	4697.6	4530.7	4309.1	4242.1
35°	4600.5	4616.9	4696.3	4856.3	4975.3	5032.8	4965.7	4768.8	4519.8	4444.5
37.5°	5006.8	4995.8	5086.1	5228.4	5326.9	5362.5	5270.8	5036.9	4760.6	4671.6
40°	5430.9	5425.4	5523.9	5660.7	5714.0	5735.9	5600.5	5344.7	5038.2	4942.5
42.5°	5815.3	5811.2	5943.8	6095.7	6160.0	6135.4	5964.4	5671.6	5359.7	5250.3
45°	6123.1	6117.6	6280.4	6493.8	6619.6	6578.6	6348.8	6032.8	5685.3	5571.8
47.5°	6359.7	6362.4	6537.5	6801.6	7021.8	7036.9	6741.4	6400.8	6043.7	5915.1
50°	6530.7	6538.9	6726.3	7019.1	7320.0	7452.7	7142.2	6778.3	6414.4	6269.4
52.5°	6573.1	6588.2	6813.9	7157.2	7511.5	7764.6	7549.8	7140.8	6766.0	6627.8
55°	6347.4	6377.5	6663.4	7146.3	7629.2	7969.8	7908.3	7508.8	7120.3	6978.0
57.5°	5828.9	5871.3	6205.1	6835.8	7603.2	8110.7	8186.0	7861.7	7474.6	7337.8
60°	5102.5	5153.2	5473.3	6161.4	7236.6	8162.7	8381.6	8205.1	7800.2	7667.5
62.5°	4006.8	4072.5	4455.5	5262.6	6462.3	7920.6	8548.5	8515.6	8092.9	7927.4
65°	2570.4	2640.2	3043.7	3997.2	5429.5	7179.1	8600.5	8818.0	8402.1	8170.9
67.5°	1549.9	1581.4	1781.1	2422.7	3968.5	6061.5	8160.0	9153.1	8763.2	8476.0
70°	991.8	1009.6	1128.6	1422.7	2243.5	4422.7	7068.3	9216.0	9201.0	8789.2
72.5°	673.0	678.5	710.0	842.7	1269.5	2513.0	5213.3	8343.3	9474.6	9192.8
75°	492.5	522.6	573.2	596.4	720.9	1255.8	2987.7	5861.8	7984.9	8108.0
77.5°	366.6	368.0	437.8	465.1	514.4	668.9	1264.0	3272.2	4957.5	5205.1
80°	310.5	294.1	292.7	374.8	387.1	417.2	565.0	1129.9	1775.6	1076.6
82.5°	258.5	240.8	217.5	292.7	264.0	255.8	244.9	459.6	565.0	277.7
85°	180.6	172.4	164.2	191.5	150.5	128.6	117.6	214.8	238.0	117.6
87.5°	78.0	80.7	82.1	84.8	62.9	45.1	45.1	60.2	60.2	46.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2870.0
2887.8
2957.6
3076.6
3216.1
3354.3
3500.6
3611.5
3701.7
3786.6
3882.3
3982.2
4093.0
4258.5
4455.5
4688.0
4974.0
5277.6
5597.8
5953.4
6313.2
6663.4
7017.7
7369.3
7696.2
7946.6
8199.6
8497.9
8786.5
9149.0
7809.8
4642.9
813.9
236.7
104.0
34.2
0.0

OF REPORT)