

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: P950945

Luminaire Tested: **GALN-SB5B-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950945
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-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29291 lumens
Efficiency: N/A
Efficacy: 160.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

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



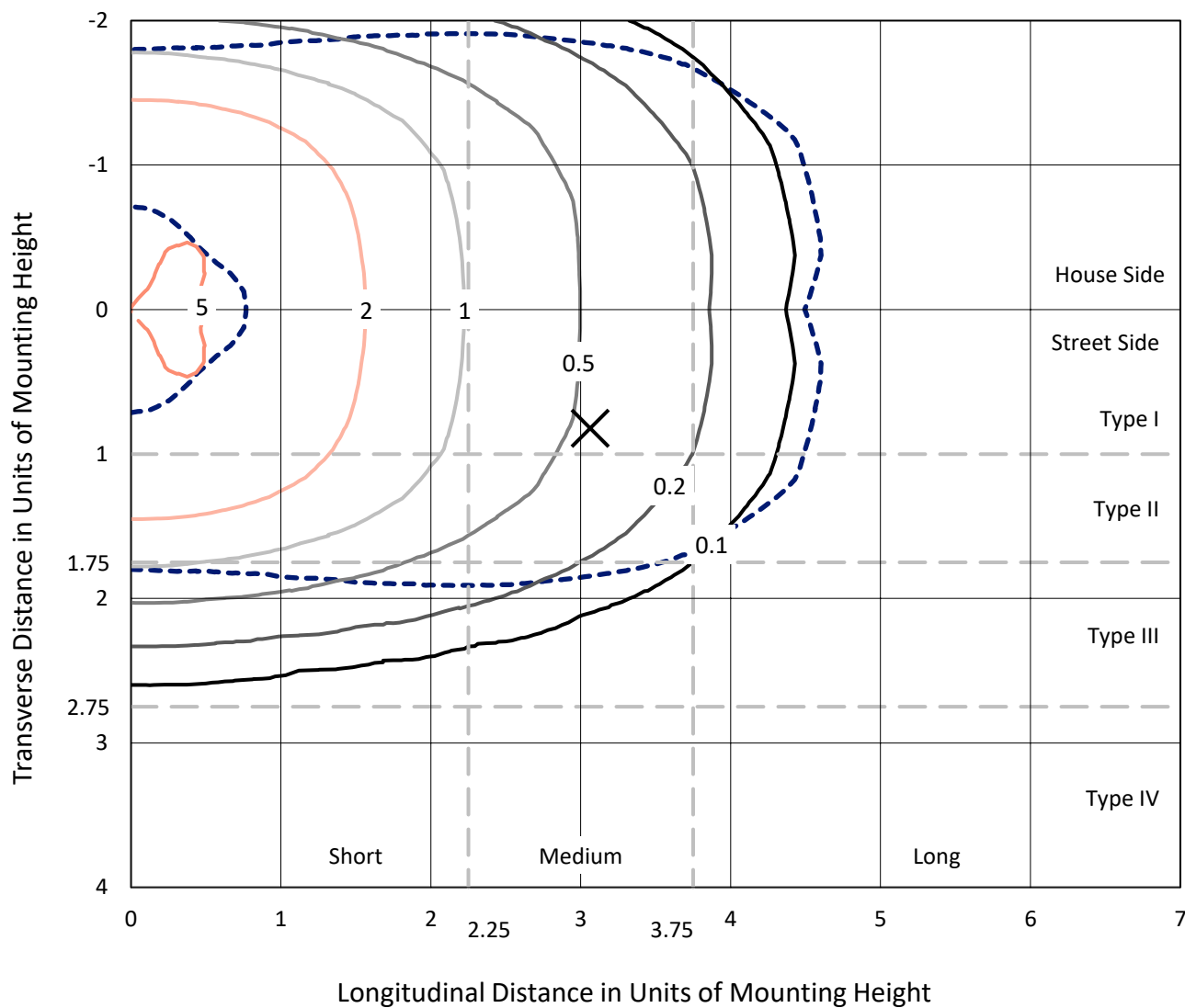
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

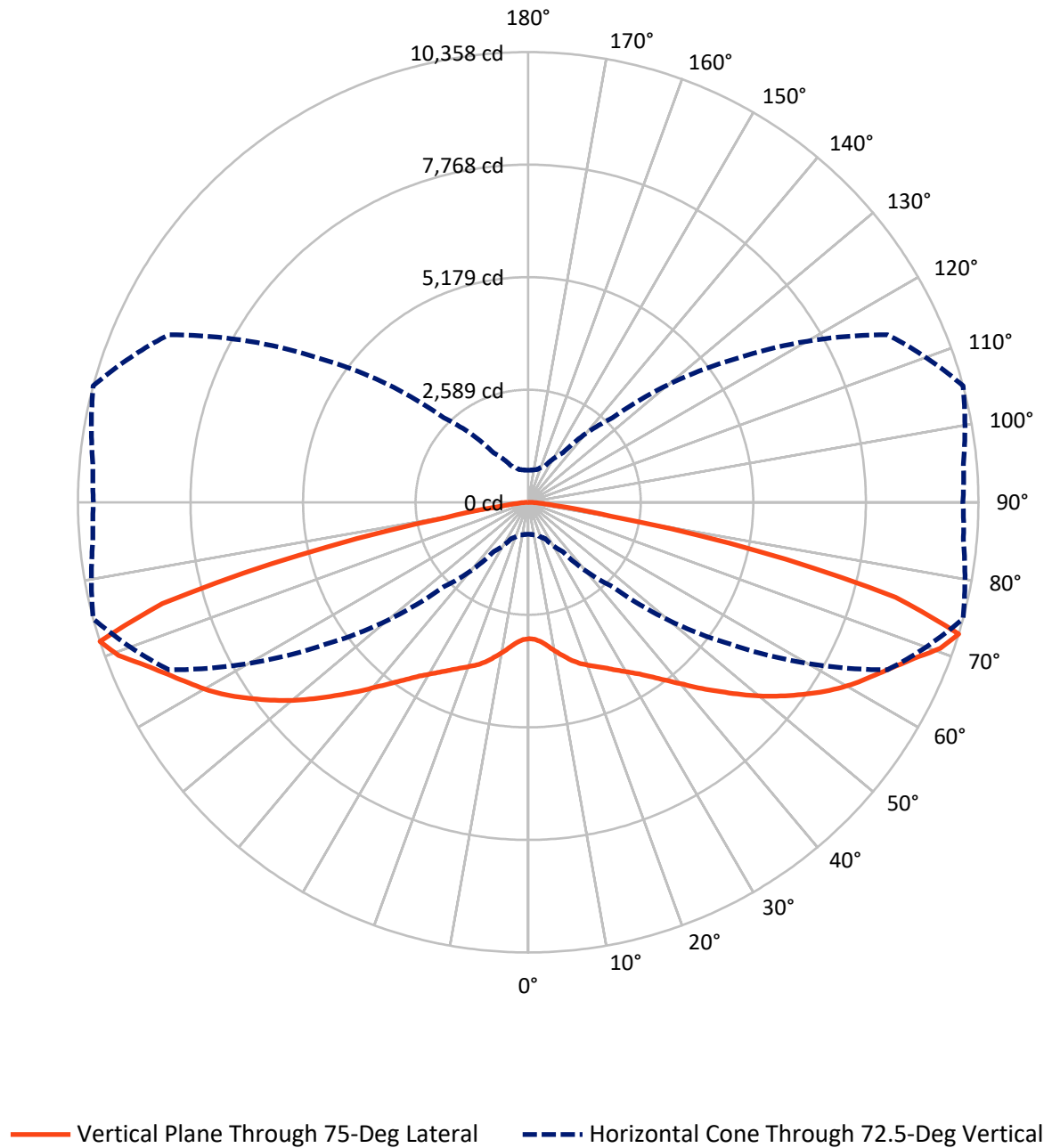


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14645.5	0.0	14645.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14645.5	0.0	14645.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29291.0	0.0	29291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.4	1.0
10°-20°	1013.7	3.5
20°-30°	1958.8	6.7
30°-40°	3307.5	11.3
40°-50°	5245.4	17.9
50°-60°	7023.0	24.0
60°-70°	6683.6	22.8
70°-80°	3487.6	11.9
80°-90°	264.0	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°	29291.0	100.0
0°-180°	29291.0	100.0

Coefficient of Utilization



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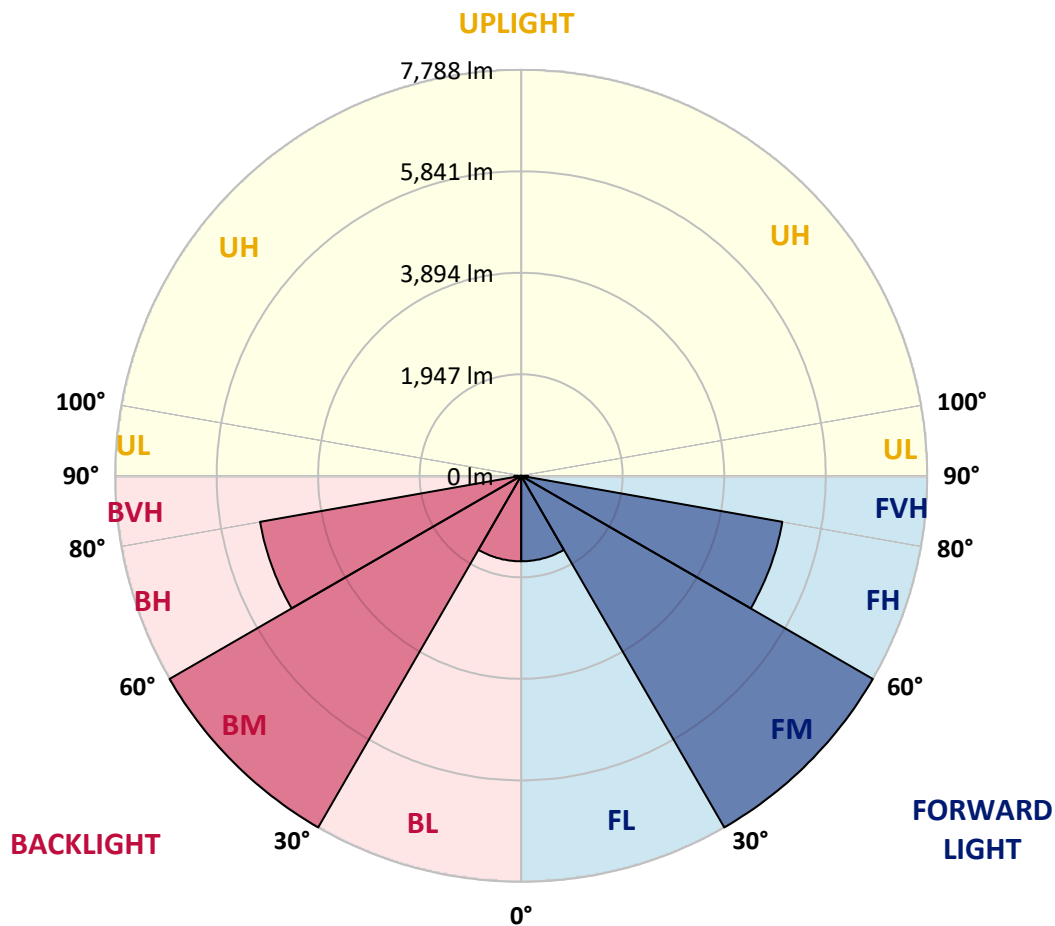
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1639.9	5.6			
FM	(30°-60°)	7788.0	26.6			
FH	(60°-80°)	5085.6	17.4			G3/7500
FVH	(80°-90°)	132.0	0.5			G2/225
BL	(0°-30°)	1639.9	5.6	B3/2500		
BM	(30°-60°)	7788.0	26.6	B4/8500		
BH	(60°-80°)	5085.6	17.4	B5		G5
BVH	(80°-90°)	132.0	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3137.6	3137.6	3137.6	3137.6	3137.6	3137.6	3137.6	3137.6	3137.6	3137.6	3137.6
2.5°	3137.6	3134.6	3137.6	3140.6	3139.1	3139.1	3146.6	3151.1	3160.0	3158.5	3157.0
5°	3116.7	3115.2	3127.1	3140.6	3151.1	3169.0	3191.4	3207.9	3228.8	3233.3	3233.3
7.5°	3106.2	3101.7	3122.6	3146.6	3179.5	3224.3	3267.7	3312.6	3348.5	3360.4	3363.4
10°	3113.7	3115.2	3143.6	3188.4	3240.8	3303.6	3364.9	3441.2	3492.0	3504.0	3516.0
12.5°	3148.1	3145.1	3192.9	3264.7	3336.5	3415.8	3487.5	3571.3	3626.6	3655.0	3667.0
15°	3210.9	3204.9	3272.2	3378.4	3483.1	3575.8	3634.1	3713.4	3777.7	3813.6	3827.0
17.5°	3285.6	3288.6	3376.9	3514.5	3652.0	3756.7	3812.1	3852.4	3901.8	3933.2	3948.2
20°	3417.3	3423.2	3521.9	3684.9	3842.0	3961.6	4006.5	3991.5	4005.0	4028.9	4046.9
22.5°	3593.7	3596.7	3707.4	3883.9	4048.4	4180.0	4209.9	4148.6	4111.2	4127.6	4139.6
25°	3798.6	3818.0	3928.7	4109.7	4278.7	4404.3	4417.8	4325.0	4232.3	4236.8	4244.3
27.5°	4048.4	4066.3	4178.5	4357.9	4529.9	4639.1	4637.6	4513.5	4377.4	4343.0	4353.4
30°	4319.0	4338.5	4453.6	4639.1	4799.1	4894.8	4873.9	4725.8	4531.4	4467.1	4474.6
32.5°	4640.6	4652.5	4769.2	4954.6	5102.7	5179.0	5135.6	4953.1	4710.9	4637.6	4655.5
35°	5029.4	5047.4	5134.1	5309.1	5439.2	5502.0	5428.7	5213.4	4941.2	4858.9	4870.9
37.5°	5473.6	5461.6	5560.3	5715.9	5823.5	5862.4	5762.2	5506.5	5204.4	5107.2	5125.1
40°	5937.2	5931.2	6038.9	6188.4	6246.8	6270.7	6122.6	5843.0	5508.0	5403.3	5437.7
42.5°	6357.4	6352.9	6498.0	6664.0	6734.3	6707.4	6520.4	6200.4	5859.4	5739.8	5769.7
45°	6693.9	6687.9	6865.9	7099.2	7236.8	7191.9	6940.7	6595.2	6215.4	6091.2	6119.6
47.5°	6952.6	6955.6	7147.1	7435.7	7676.5	7692.9	7369.9	6997.5	6607.2	6466.6	6508.5
50°	7139.6	7148.6	7353.4	7673.5	8002.5	8147.6	7808.1	7410.3	7012.5	6853.9	6901.8
52.5°	7185.9	7202.4	7449.2	7824.5	8211.9	8488.5	8253.7	7806.6	7396.8	7245.8	7284.7
55°	6939.2	6972.1	7284.7	7812.6	8340.5	8712.9	8645.6	8208.9	7784.2	7628.6	7672.0
57.5°	6372.4	6418.8	6783.7	7473.1	8312.1	8866.9	8949.2	8594.7	8171.5	8021.9	8056.3
60°	5578.3	5633.6	5983.6	6735.8	7911.3	8923.7	9163.0	8970.1	8527.4	8382.4	8413.8
62.5°	4380.4	4452.1	4870.9	5753.2	7064.8	8659.0	9345.5	9309.6	8847.5	8666.5	8687.4
65°	2810.1	2886.3	3327.5	4369.9	5935.7	7848.5	9402.3	9640.1	9185.5	8932.7	8964.1
67.5°	1694.4	1728.8	1947.2	2648.6	4338.5	6626.6	8920.7	10006.5	9580.3	9266.2	9290.1
70°	1084.2	1103.7	1233.8	1555.3	2452.6	4835.0	7727.3	10075.3	10058.8	9608.7	9605.7
72.5°	735.8	741.8	776.2	921.2	1387.8	2747.3	5699.4	9121.1	10357.9	10049.9	10002.0
75°	538.4	571.3	626.6	652.0	788.1	1372.9	3266.2	6408.3	8729.3	8863.9	8537.9
77.5°	400.8	402.3	478.6	508.5	562.3	731.3	1381.9	3577.3	5419.7	5690.4	5075.8
80°	339.5	321.5	320.0	409.8	423.2	456.1	617.6	1235.3	1941.2	1177.0	889.8
82.5°	282.7	263.2	237.8	320.0	288.6	279.7	267.7	502.5	617.6	303.6	258.7
85°	197.4	188.4	179.5	209.4	164.5	140.6	128.6	234.8	260.2	128.6	113.7
87.5°	85.2	88.2	89.7	92.7	68.8	49.4	49.4	65.8	65.8	50.8	37.4
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)