

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: P953024

Luminaire Tested: **GALN-SB6C-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953024
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-SB6C-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32532 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

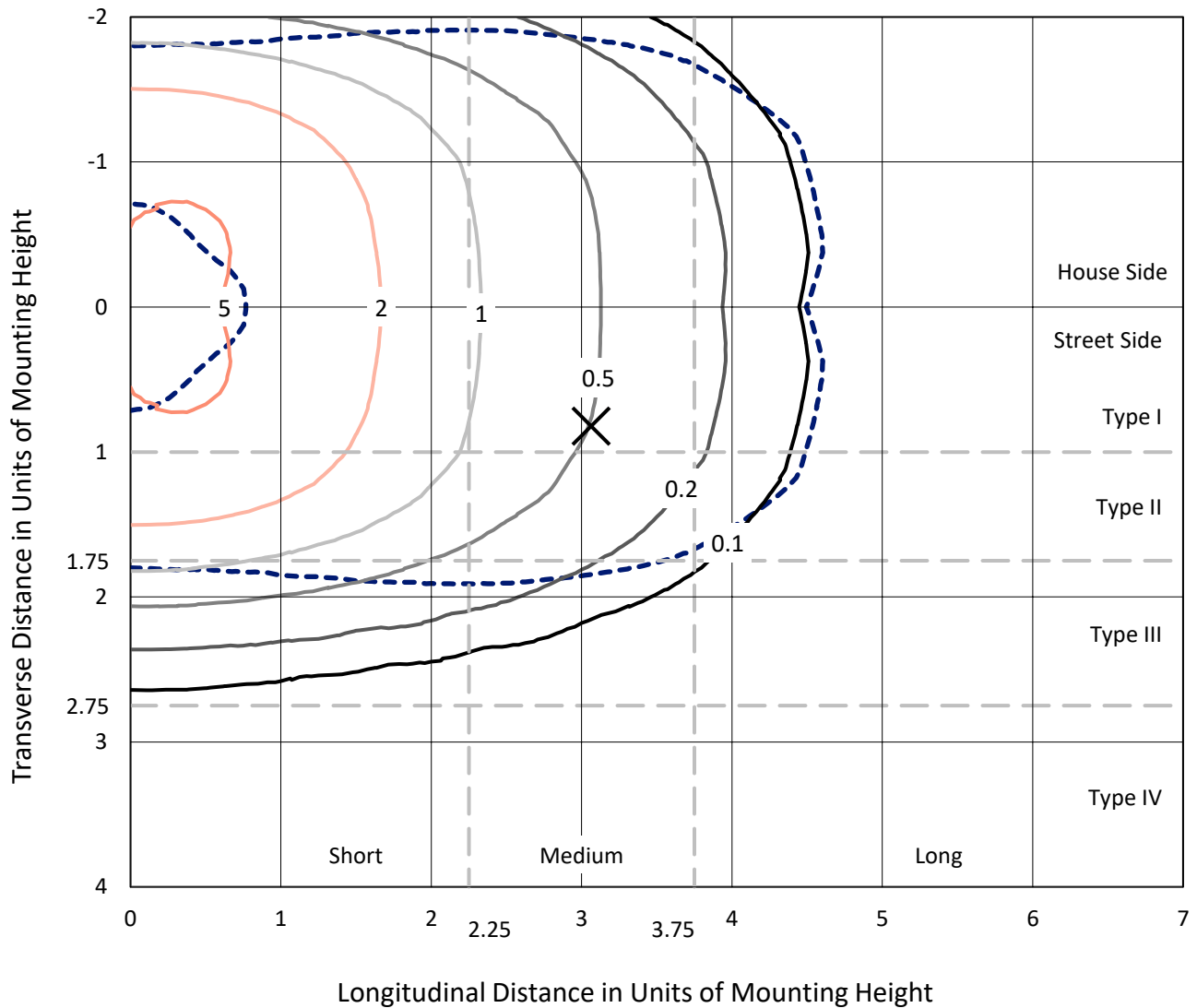
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

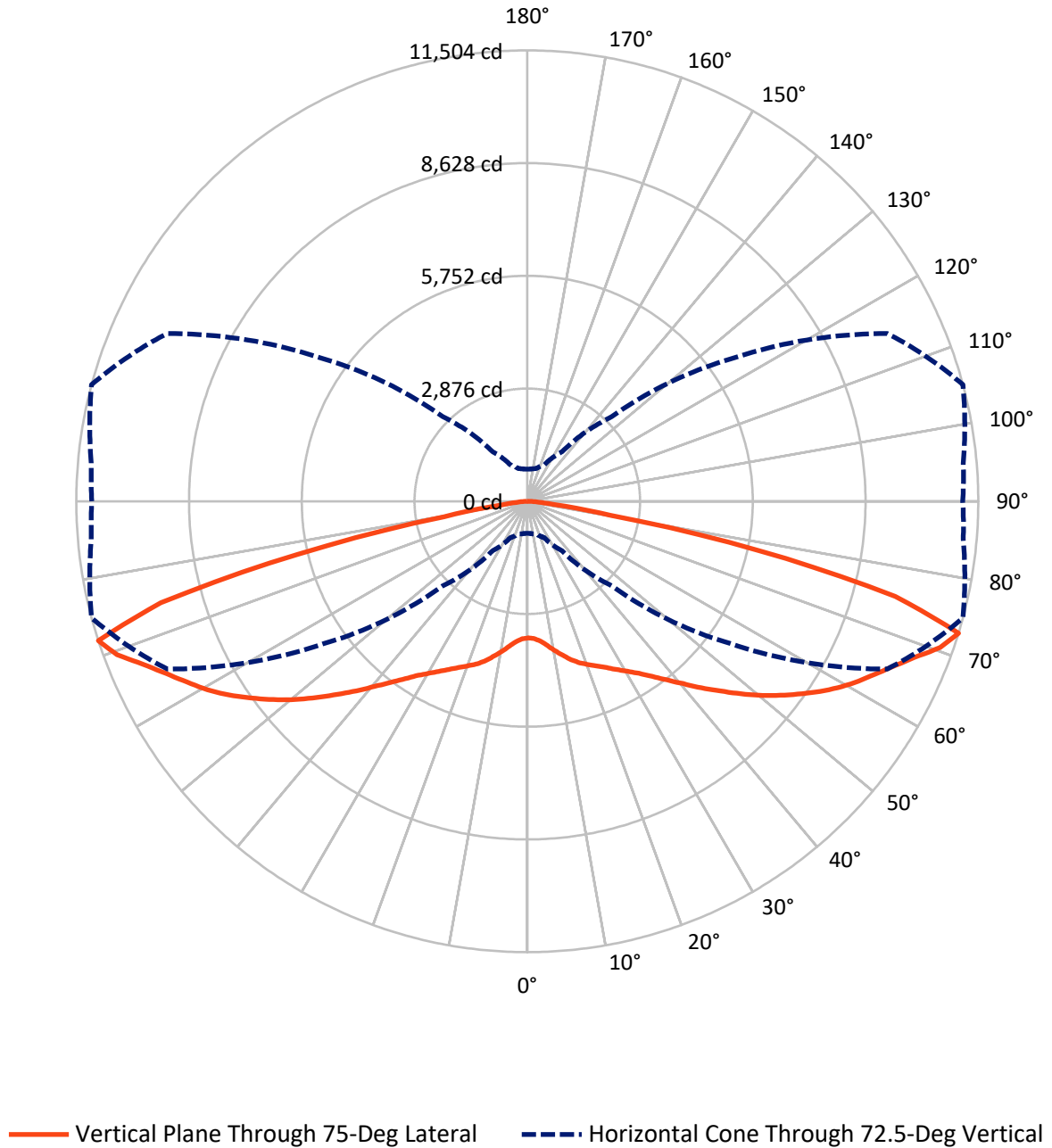
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	16266.0	0.0	16266.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16266.0	0.0	16266.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32532.0	0.0	32532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.4	1.0
10°-20°	1125.9	3.5
20°-30°	2175.5	6.7
30°-40°	3673.5	11.3
40°-50°	5825.8	17.9
50°-60°	7800.1	24.0
60°-70°	7423.1	22.8
70°-80°	3873.5	11.9
80°-90°	293.2	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°	32532.0	100.0
0°-180°	32532.0	100.0

Coefficient of Utilization



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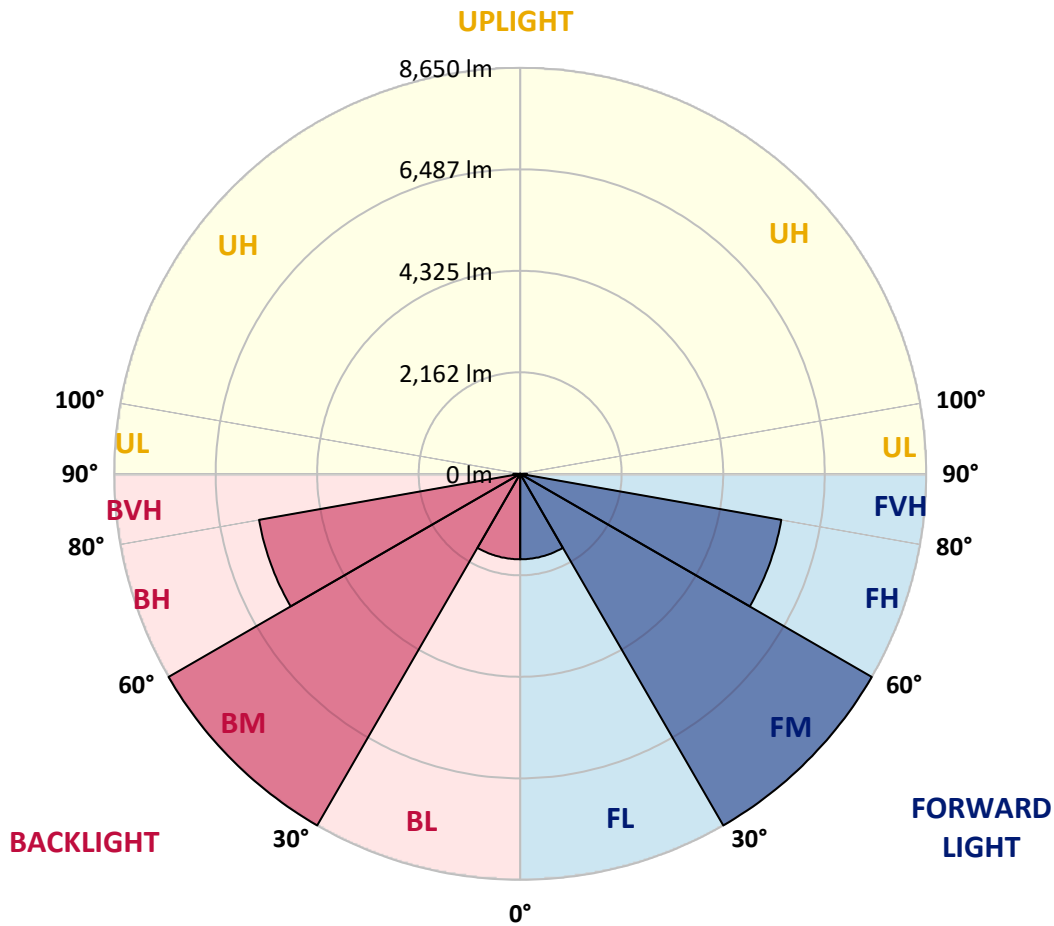
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1821.4	5.6			
FM (30°-60°)	8649.7	26.6			
FH (60°-80°)	5648.3	17.4			G3/7500
FVH (80°-90°)	146.6	0.5			G2/225
BL (0°-30°)	1821.4	5.6	B3/2500		
BM (30°-60°)	8649.7	26.6	B5		
BH (60°-80°)	5648.3	17.4	B5		G5
BVH (80°-90°)	146.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3484.8	3484.8	3484.8	3484.8	3484.8	3484.8	3484.8	3484.8	3484.8	3484.8
2.5°	3484.8	3481.4	3484.8	3488.1	3486.4	3486.4	3494.7	3499.7	3509.7	3508.0
5°	3461.5	3459.8	3473.1	3488.1	3499.7	3519.6	3544.6	3562.8	3586.1	3591.1
7.5°	3449.9	3444.9	3468.1	3494.7	3531.3	3581.1	3629.3	3679.1	3719.0	3732.2
10°	3458.2	3459.8	3491.4	3541.2	3599.4	3669.1	3737.2	3821.9	3878.4	3891.7
12.5°	3496.4	3493.1	3546.2	3625.9	3705.7	3793.7	3873.4	3966.4	4027.9	4059.5
15°	3566.1	3559.5	3634.2	3752.2	3868.4	3971.4	4036.2	4124.2	4195.7	4235.5
17.5°	3649.2	3652.5	3750.5	3903.3	4056.1	4172.4	4233.9	4278.7	4333.5	4368.4
20°	3795.4	3802.0	3911.6	4092.7	4267.1	4400.0	4449.8	4433.2	4448.1	4474.7
22.5°	3991.4	3994.7	4117.6	4313.6	4496.3	4642.5	4675.7	4607.6	4566.1	4584.3
25°	4218.9	4240.5	4363.4	4564.4	4752.1	4891.6	4906.6	4803.6	4700.6	4705.6
27.5°	4496.3	4516.2	4640.8	4840.1	5031.1	5152.4	5150.7	5012.9	4861.7	4823.5
30°	4796.9	4818.5	4946.4	5152.4	5330.1	5436.4	5413.2	5248.7	5032.8	4961.4
32.5°	5154.1	5167.3	5296.9	5502.9	5667.3	5752.0	5703.8	5501.2	5232.1	5150.7
35°	5585.9	5605.8	5702.2	5896.5	6041.0	6110.8	6029.4	5790.2	5487.9	5396.6
37.5°	6079.2	6065.9	6175.6	6348.3	6467.9	6511.1	6399.8	6115.8	5780.2	5672.3
40°	6594.1	6587.5	6707.1	6873.2	6938.0	6964.5	6800.1	6489.5	6117.4	6001.2
42.5°	7060.9	7055.9	7217.0	7401.4	7479.4	7449.5	7241.9	6886.5	6507.8	6374.9
45°	7434.6	7428.0	7625.6	7884.7	8037.5	7987.7	7708.7	7325.0	6903.1	6765.2
47.5°	7721.9	7725.3	7937.9	8258.4	8525.9	8544.1	8185.4	7771.8	7338.3	7182.1
50°	7929.6	7939.5	8167.1	8522.5	8888.0	9049.1	8672.0	8230.2	7788.4	7612.3
52.5°	7981.1	7999.3	8273.4	8690.3	9120.5	9427.8	9167.0	8670.4	8215.3	8047.5
55°	7707.0	7743.5	8090.7	8677.0	9263.3	9676.9	9602.2	9117.2	8645.5	8472.7
57.5°	7077.5	7129.0	7534.3	8300.0	9231.8	9848.0	9939.4	9545.7	9075.7	8909.6
60°	6195.5	6257.0	6645.6	7481.1	8786.6	9911.1	10176.9	9962.6	9471.0	9309.9
62.5°	4865.0	4944.8	5409.8	6389.8	7846.5	9617.1	10379.5	10339.7	9826.4	9625.4
65°	3121.0	3205.7	3695.7	4853.4	6592.5	8716.9	10442.7	10706.7	10201.8	9921.1
67.5°	1881.9	1920.1	2162.6	2941.6	4818.5	7359.9	9907.8	11113.7	10640.3	10291.5
70°	1204.2	1225.8	1370.3	1727.4	2724.0	5370.0	8582.3	11190.1	11171.8	10671.9
72.5°	817.2	823.9	862.1	1023.2	1541.4	3051.2	6330.0	10130.4	11504.0	11161.9
75°	598.0	634.5	696.0	724.2	875.3	1524.8	3627.6	7117.3	9695.2	9844.7
77.5°	445.1	446.8	531.5	564.7	624.5	812.2	1534.8	3973.1	6019.4	6320.1
80°	377.0	357.1	355.5	455.1	470.1	506.6	686.0	1372.0	2156.0	1307.2
82.5°	313.9	292.3	264.1	355.5	320.6	310.6	297.3	558.1	686.0	337.2
85°	219.3	209.3	199.3	232.5	182.7	156.1	142.8	260.8	289.0	142.8
87.5°	94.7	98.0	99.7	103.0	76.4	54.8	54.8	73.1	73.1	56.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3484.8
3506.4
3591.1
3735.6
3905.0
4072.8
4250.5
4385.0
4494.6
4597.6
4713.9
4835.1
4969.7
5170.7
5409.8
5692.2
6039.4
6408.1
6796.8
7228.6
7665.5
8090.7
8520.9
8947.8
9344.7
9648.7
9956.0
10318.1
10668.5
11108.7
9482.6
5637.4
988.3
287.4
126.2
41.5
0.0

OF REPORT)