

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: P952940

Luminaire Tested: **GALN-SB6C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952940
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-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28466 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

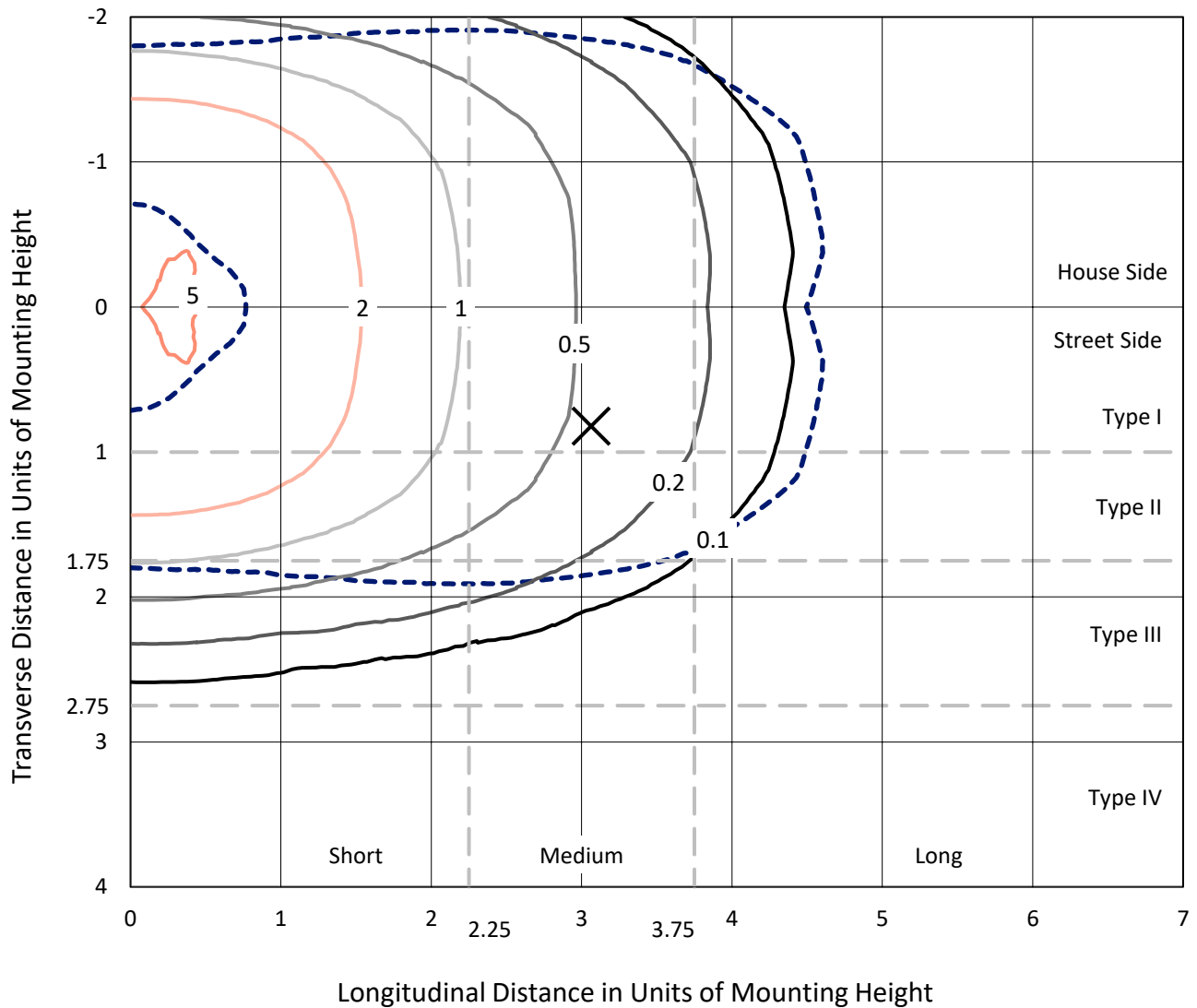
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952940
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Iso-Footcandle Lines of Horizontal Illumination

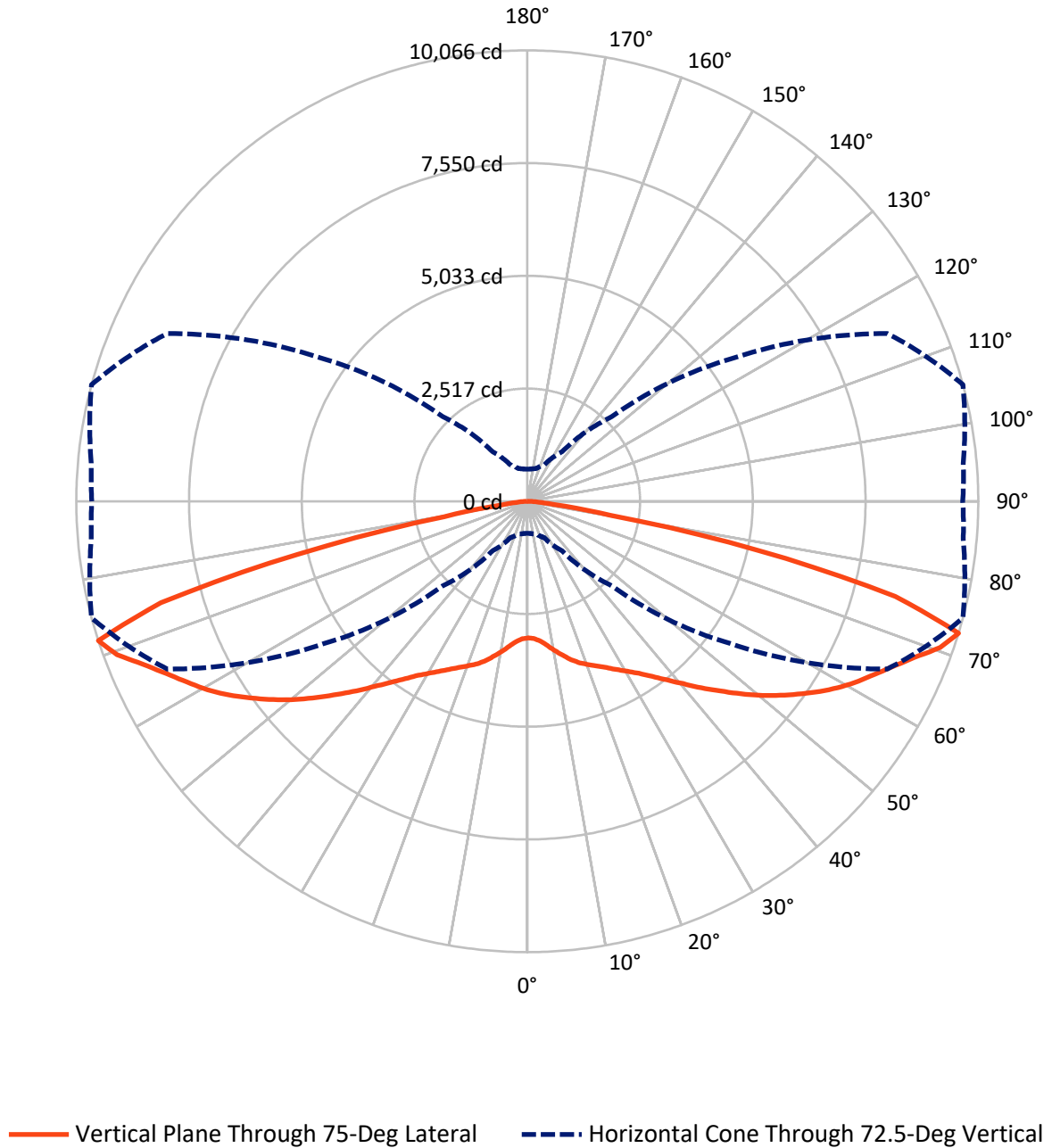
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P952940
CATALOG NUMBER: GALN-SB6C-927-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14233.0	0.0	14233.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14233.0	0.0	14233.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28466.0	0.0	28466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.7	1.0
10°-20°	985.2	3.5
20°-30°	1903.6	6.7
30°-40°	3214.4	11.3
40°-50°	5097.7	17.9
50°-60°	6825.2	24.0
60°-70°	6495.4	22.8
70°-80°	3389.4	11.9
80°-90°	256.6	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°	28466.0	100.0
0°-180°	28466.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952940

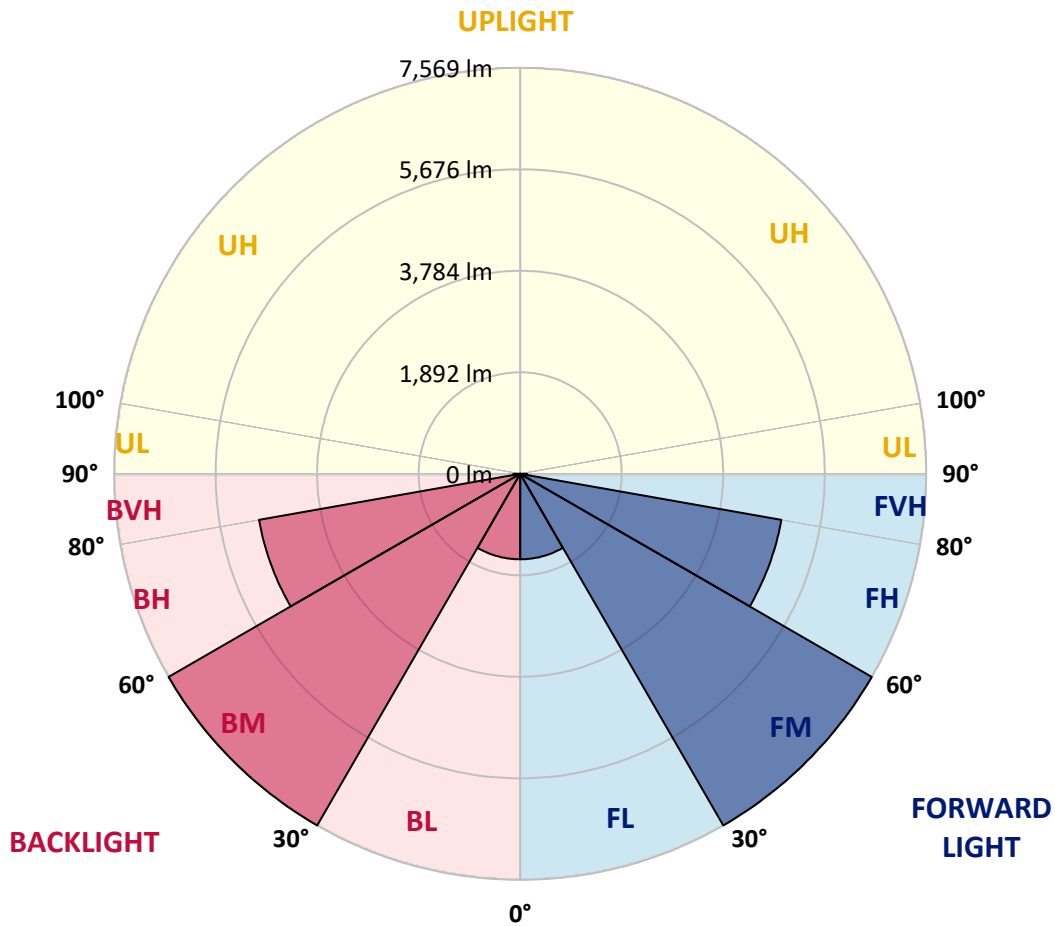
CATALOG NUMBER: GALN-SB6C-927-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1593.7	5.6			
FM (30°-60°)	7568.6	26.6			
FH (60°-80°)	4942.4	17.4			G2/5000
FVH (80°-90°)	128.3	0.5			G2/225
BL (0°-30°)	1593.7	5.6	B3/2500		
BM (30°-60°)	7568.6	26.6	B4/8500		
BH (60°-80°)	4942.4	17.4	B4/5000		G4/5000
BVH (80°-90°)	128.3	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



REPORT NUMBER: P952940

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3049.2	3049.2	3049.2	3049.2	3049.2	3049.2	3049.2	3049.2	3049.2	3049.2
2.5°	3049.2	3046.3	3049.2	3052.1	3050.7	3050.7	3057.9	3062.3	3071.0	3069.6
5°	3028.9	3027.4	3039.0	3052.1	3062.3	3079.7	3101.5	3117.5	3137.9	3142.2
7.5°	3018.7	3014.3	3034.7	3057.9	3089.9	3133.5	3175.7	3219.3	3254.1	3265.8
10°	3026.0	3027.4	3055.0	3098.6	3149.5	3210.5	3270.1	3344.3	3393.7	3405.3
12.5°	3059.4	3056.5	3103.0	3172.8	3242.5	3319.5	3389.3	3470.7	3524.5	3552.1
15°	3120.4	3114.6	3180.0	3283.2	3385.0	3475.1	3531.7	3608.8	3671.3	3706.2
17.5°	3193.1	3196.0	3281.8	3415.5	3549.2	3650.9	3704.7	3743.9	3791.9	3822.4
20°	3321.0	3326.8	3422.7	3581.2	3733.8	3850.0	3893.6	3879.1	3892.2	3915.4
22.5°	3492.5	3495.4	3603.0	3774.5	3934.3	4062.2	4091.3	4031.7	3995.4	4011.4
25°	3691.6	3710.5	3818.1	3993.9	4158.2	4280.2	4293.3	4203.2	4113.1	4117.5
27.5°	3934.3	3951.8	4060.8	4235.2	4402.3	4508.4	4507.0	4386.3	4254.1	4220.7
30°	4197.4	4216.3	4328.2	4508.4	4663.9	4757.0	4736.6	4592.7	4403.8	4341.3
32.5°	4509.9	4521.5	4634.9	4815.1	4959.0	5033.1	4991.0	4813.6	4578.2	4507.0
35°	4887.8	4905.2	4989.5	5159.5	5286.0	5347.0	5275.8	5066.5	4802.0	4722.1
37.5°	5319.4	5307.8	5403.7	5554.9	5659.5	5697.3	5599.9	5351.4	5057.8	4963.3
40°	5770.0	5764.2	5868.8	6014.1	6070.8	6094.1	5950.2	5678.4	5352.8	5251.1
42.5°	6178.4	6174.0	6315.0	6476.3	6544.6	6518.5	6336.8	6025.8	5694.4	5578.1
45°	6505.4	6499.6	6672.5	6899.3	7033.0	6989.4	6745.2	6409.5	6040.3	5919.7
47.5°	6756.8	6759.7	6945.8	7226.3	7460.3	7476.3	7162.3	6800.4	6421.1	6284.5
50°	6938.5	6947.2	7146.3	7457.4	7777.1	7918.1	7588.2	7201.6	6815.0	6660.9
52.5°	6983.6	6999.5	7239.3	7604.2	7980.6	8249.5	8021.3	7586.7	7188.5	7041.7
55°	6743.7	6775.7	7079.5	7592.5	8105.6	8467.5	8402.1	7977.7	7564.9	7413.8
57.5°	6192.9	6238.0	6592.6	7262.6	8078.0	8617.2	8697.1	8352.6	7941.3	7796.0
60°	5421.2	5474.9	5815.0	6546.1	7688.4	8672.4	8904.9	8717.5	8287.2	8146.3
62.5°	4257.0	4326.8	4733.7	5591.2	6865.8	8415.1	9082.3	9047.4	8598.3	8422.4
65°	2730.9	2805.0	3233.8	4246.8	5768.5	7627.4	9137.5	9368.6	8926.7	8681.1
67.5°	1646.7	1680.1	1892.3	2574.0	4216.3	6440.0	8669.5	9724.7	9310.4	9005.2
70°	1053.7	1072.6	1199.0	1511.5	2383.6	4698.8	7509.7	9791.5	9775.5	9338.0
72.5°	715.1	720.9	754.3	895.3	1348.7	2669.9	5538.9	8864.2	10066.2	9766.8
75°	523.2	555.2	609.0	633.7	765.9	1334.2	3174.2	6227.8	8483.5	8614.3
77.5°	389.5	391.0	465.1	494.2	546.5	710.7	1342.9	3476.5	5267.1	5530.2
80°	329.9	312.5	311.0	398.2	411.3	443.3	600.3	1200.5	1886.5	1143.8
82.5°	274.7	255.8	231.1	311.0	280.5	271.8	260.2	488.3	600.3	295.0
85°	191.8	183.1	174.4	203.5	159.9	136.6	125.0	228.2	252.9	125.0
87.5°	82.8	85.8	87.2	90.1	66.9	48.0	48.0	63.9	63.9	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3049.2
3068.1
3142.2
3268.7
3416.9
3563.7
3719.2
3837.0
3932.9
4023.0
4124.7
4230.8
4348.6
4524.4
4733.7
4980.8
5284.5
5607.2
5947.3
6325.2
6707.4
7079.5
7455.9
7829.4
8176.8
8442.8
8711.6
9028.5
9335.1
9720.3
8297.4
4932.8
864.8
251.4
110.5
36.3
0.0

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