

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: P956573

Luminaire Tested: **GALN-SB9A-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956573
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-SB9A-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30488 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

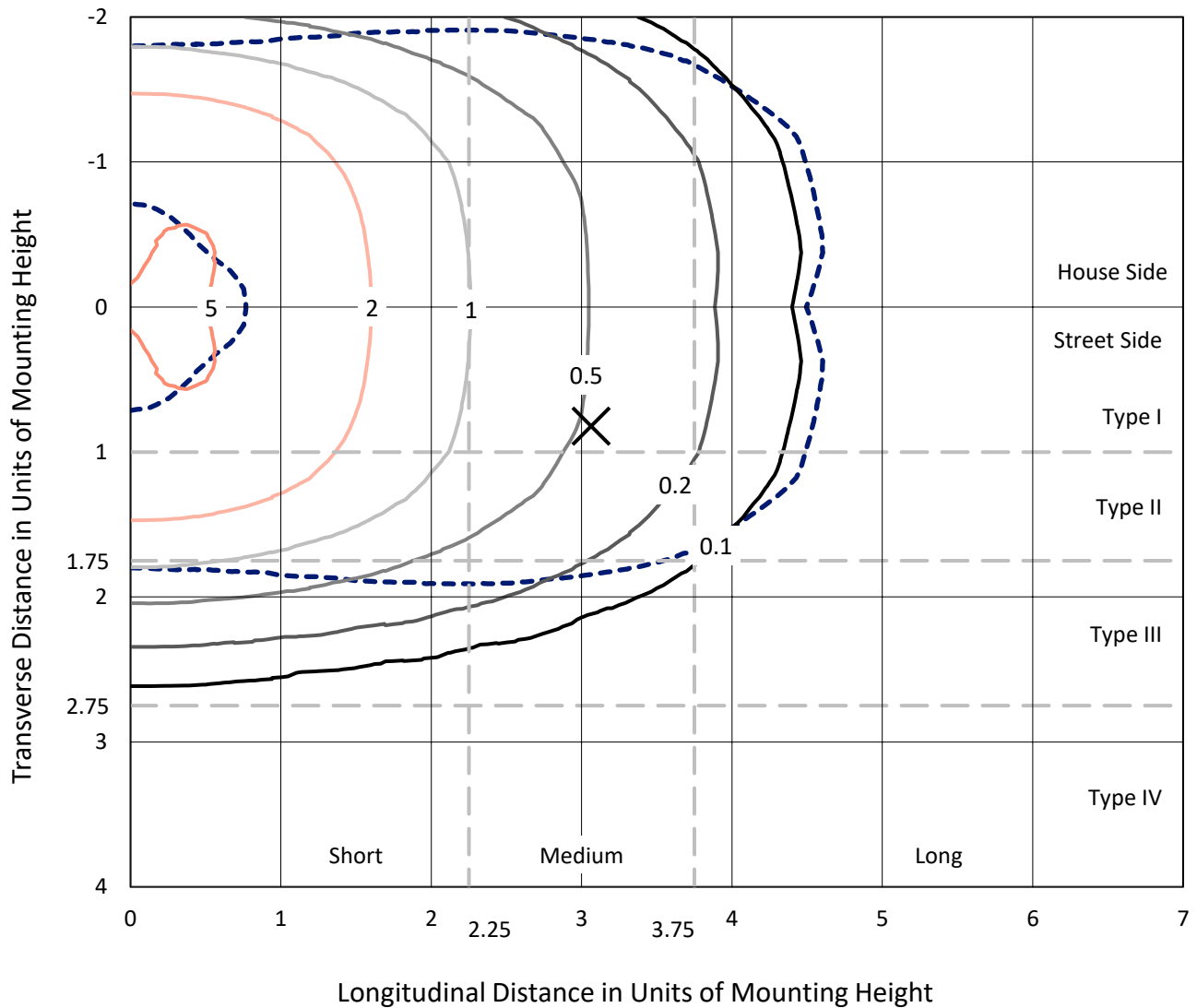
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

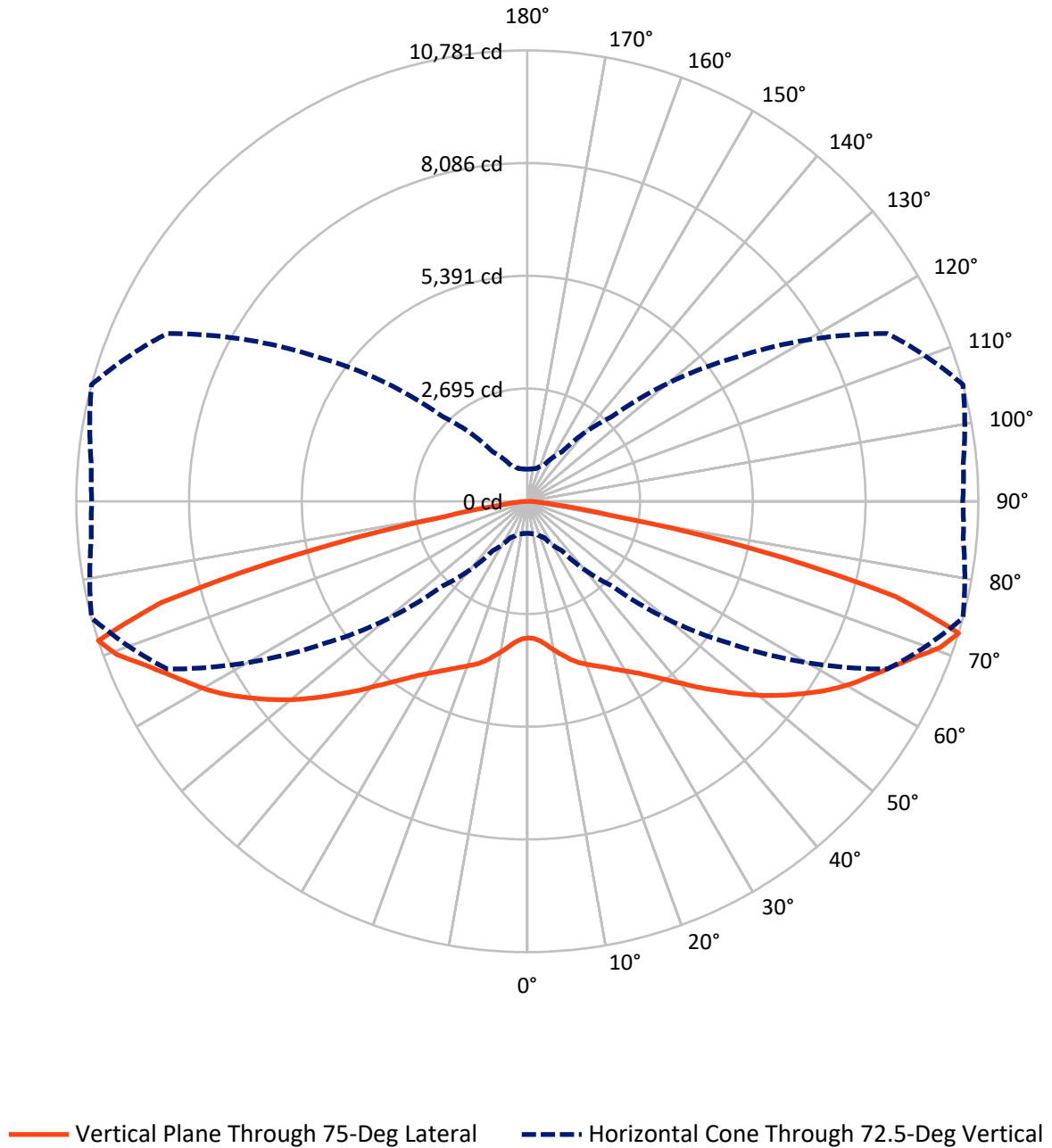
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P956573
CATALOG NUMBER: GALN-SB9A-940-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15244.0	0.0	15244.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15244.0	0.0	15244.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30488.0	0.0	30488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.9	1.0
10°-20°	1055.1	3.5
20°-30°	2038.8	6.7
30°-40°	3442.7	11.3
40°-50°	5459.8	17.9
50°-60°	7310.0	24.0
60°-70°	6956.7	22.8
70°-80°	3630.1	11.9
80°-90°	274.8	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°	30488.0	100.0
0°-180°	30488.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956573

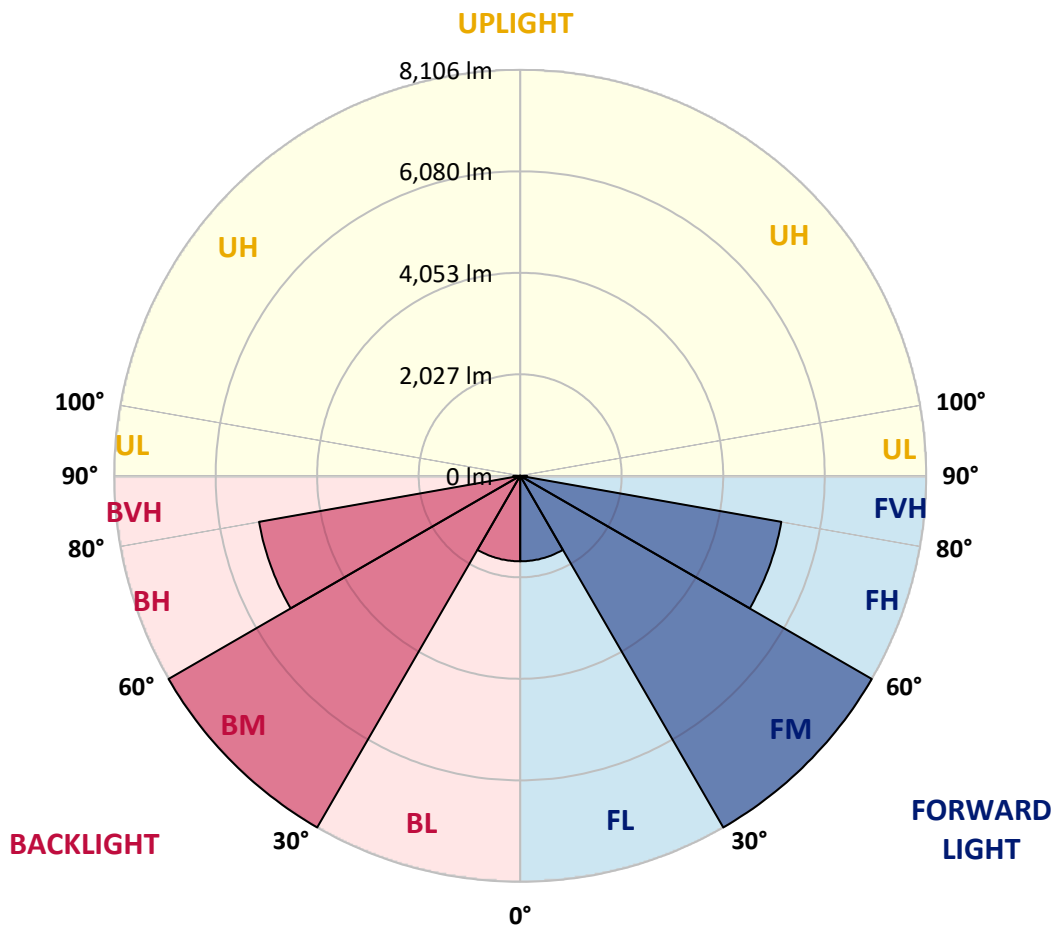
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1707.0	5.6			
FM (30°-60°)	8106.2	26.6			
FH (60°-80°)	5293.4	17.4			G3/7500
FVH (80°-90°)	137.4	0.5			G2/225
BL (0°-30°)	1707.0	5.6	B3/2500		
BM (30°-60°)	8106.2	26.6	B4/8500		
BH (60°-80°)	5293.4	17.4	B5		G5
BVH (80°-90°)	137.4	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°	3265.8	3265.8	3265.8	3265.8	3265.8	3265.8	3265.8	3265.8	3265.8	3265.8
2.5°	3265.8	3262.7	3265.8	3268.9	3267.4	3267.4	3275.2	3279.8	3289.2	3287.6
5°	3244.0	3242.5	3254.9	3268.9	3279.8	3298.5	3321.8	3339.0	3360.8	3365.4
7.5°	3233.1	3228.5	3250.2	3275.2	3309.4	3356.1	3401.2	3447.9	3485.3	3497.7
10°	3240.9	3242.5	3272.0	3318.7	3373.2	3438.6	3502.4	3581.8	3634.7	3647.2
12.5°	3276.7	3273.6	3323.4	3398.1	3472.8	3555.3	3630.1	3717.2	3774.8	3804.4
15°	3342.1	3335.9	3405.9	3516.4	3625.4	3721.9	3782.6	3865.1	3932.0	3969.4
17.5°	3419.9	3423.0	3514.9	3658.1	3801.3	3910.3	3967.9	4009.9	4061.2	4093.9
20°	3556.9	3563.1	3665.9	3835.5	3999.0	4123.5	4170.2	4154.6	4168.7	4193.6
22.5°	3740.6	3743.7	3858.9	4042.6	4213.8	4350.8	4381.9	4318.1	4279.2	4296.3
25°	3953.8	3974.1	4089.3	4277.6	4453.5	4584.3	4598.3	4501.8	4405.3	4409.9
27.5°	4213.8	4232.5	4349.2	4536.0	4715.0	4828.7	4827.1	4697.9	4556.3	4520.5
30°	4495.5	4515.8	4635.6	4828.7	4995.2	5094.9	5073.1	4919.0	4716.6	4649.7
32.5°	4830.2	4842.7	4964.1	5157.1	5311.2	5390.6	5345.5	5155.6	4903.4	4827.1
35°	5234.9	5253.6	5343.9	5526.0	5661.5	5726.8	5650.6	5426.4	5143.1	5057.5
37.5°	5697.3	5684.8	5787.6	5949.4	6061.5	6102.0	5997.7	5731.5	5417.1	5315.9
40°	6179.8	6173.6	6285.7	6441.3	6502.0	6527.0	6372.8	6081.8	5733.1	5624.1
42.5°	6617.2	6612.6	6763.6	6936.3	7009.5	6981.5	6786.9	6453.8	6098.9	5974.3
45°	6967.5	6961.3	7146.5	7389.3	7532.5	7485.8	7224.3	6864.7	6469.4	6340.2
47.5°	7236.8	7239.9	7439.1	7739.6	7990.2	8007.3	7671.1	7283.5	6877.2	6730.9
50°	7431.4	7440.7	7654.0	7987.1	8329.5	8480.5	8127.2	7713.1	7299.0	7134.0
52.5°	7479.6	7496.7	7753.6	8144.3	8547.5	8835.4	8591.0	8125.6	7699.1	7541.9
55°	7222.8	7257.0	7582.3	8131.8	8681.3	9068.9	8998.9	8544.3	8102.3	7940.4
57.5°	6632.8	6681.1	7060.9	7778.5	8651.8	9229.3	9314.9	8946.0	8505.4	8349.8
60°	5806.2	5863.8	6228.1	7011.1	8234.6	9288.4	9537.5	9336.7	8875.9	8724.9
62.5°	4559.4	4634.1	5069.9	5988.4	7353.5	9012.9	9727.4	9690.0	9209.0	9020.7
65°	2924.9	3004.3	3463.5	4548.5	6178.3	8169.2	9786.5	10034.0	9560.8	9297.8
67.5°	1763.7	1799.5	2026.7	2756.8	4515.8	6897.4	9285.3	10415.4	9971.8	9644.9
70°	1128.6	1148.8	1284.2	1618.9	2552.9	5032.6	8043.1	10487.0	10469.9	10001.4
72.5°	765.9	772.1	807.9	958.9	1444.6	2859.5	5932.3	9493.9	10781.2	10460.6
75°	560.4	594.6	652.2	678.7	820.3	1429.0	3399.7	6670.2	9086.1	9226.1
77.5°	417.2	418.7	498.1	529.3	585.3	761.2	1438.3	3723.5	5641.2	5923.0
80°	353.4	334.7	333.1	426.5	440.5	474.8	642.9	1285.8	2020.5	1225.1
82.5°	294.2	274.0	247.5	333.1	300.4	291.1	278.6	523.0	642.9	316.0
85°	205.5	196.1	186.8	217.9	171.2	146.3	133.9	244.4	270.9	133.9
87.5°	88.7	91.8	93.4	96.5	71.6	51.4	51.4	68.5	68.5	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3265.8
3286.0
3365.4
3500.9
3659.6
3816.9
3983.4
4109.5
4212.2
4308.8
4417.7
4531.4
4657.4
4845.8
5069.9
5334.6
5659.9
6005.5
6369.7
6774.5
7183.8
7582.3
7985.5
8385.6
8757.6
9042.5
9330.4
9669.8
9998.2
10410.7
8886.8
5283.2
926.2
269.3
118.3
38.9
0.0

OF REPORT)