

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: P954074

Luminaire Tested: **GALN-SB7B-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954074
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-SB7B-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29882 lumens
Efficiency: N/A
Efficacy: 116.4 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

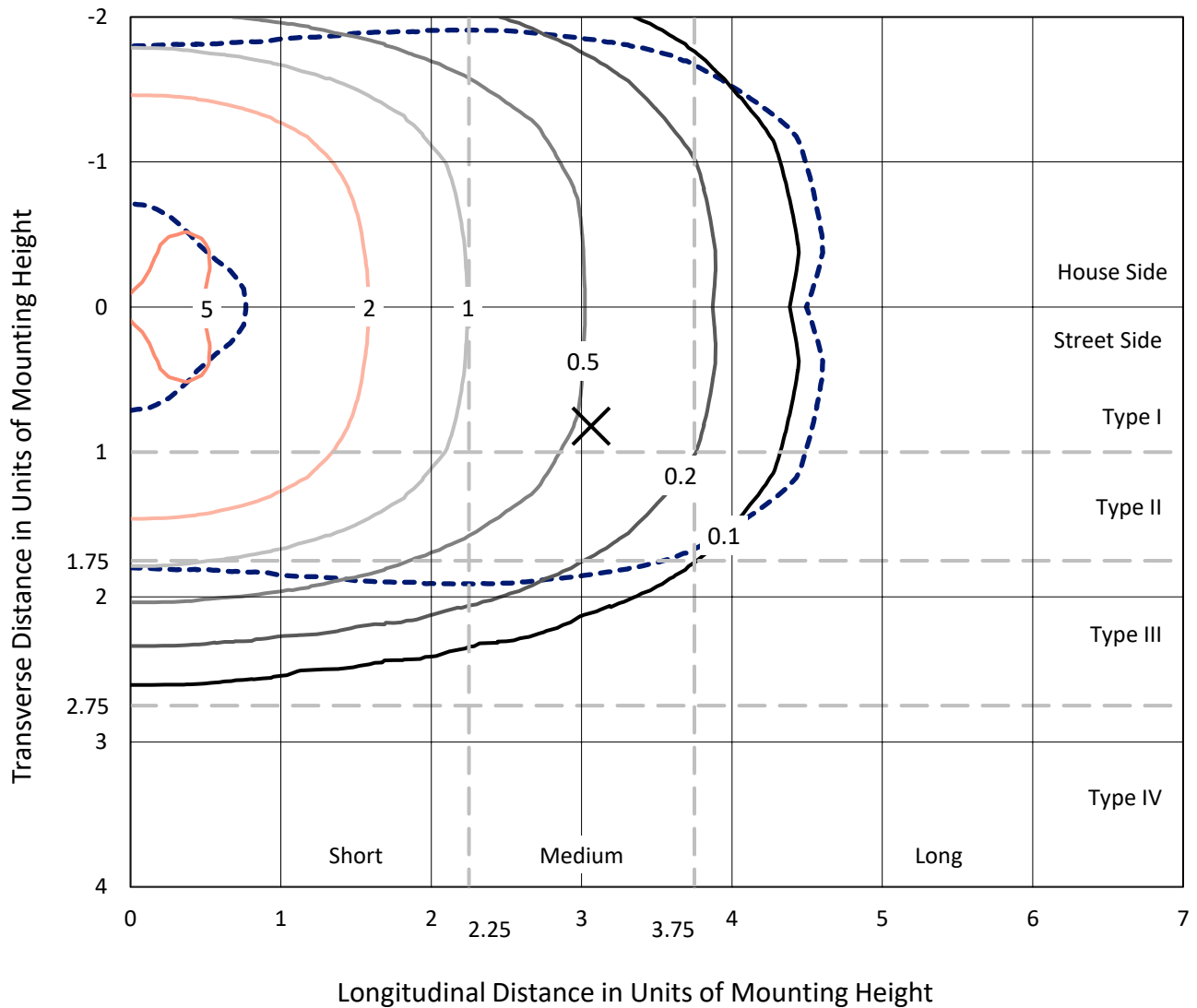
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954074
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Iso-Footcandle Lines of Horizontal Illumination

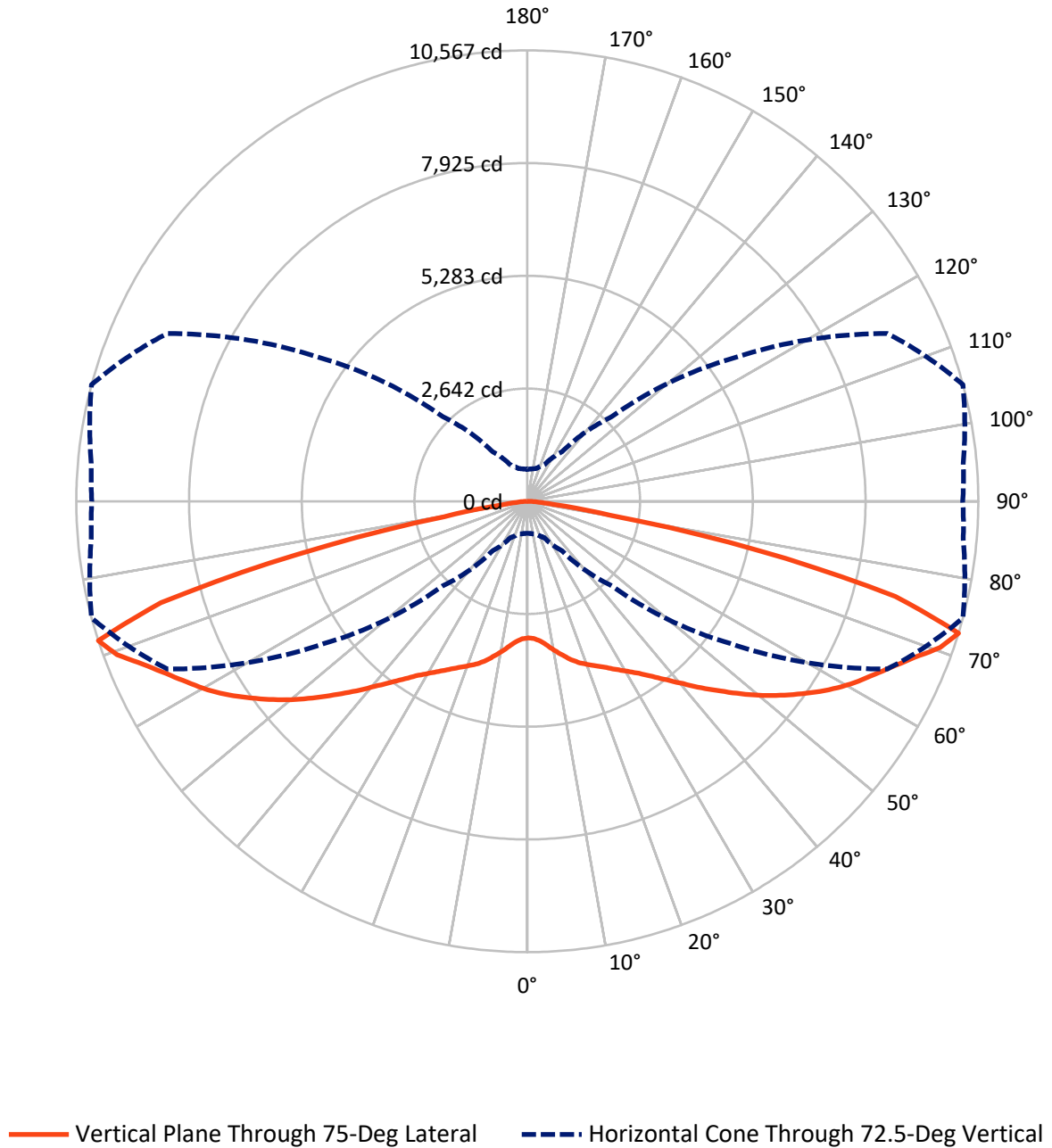
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P954074
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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14941.0	0.0	14941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14941.0	0.0	14941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29882.0	0.0	29882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.6	1.0
10°-20°	1034.2	3.5
20°-30°	1998.3	6.7
30°-40°	3374.3	11.3
40°-50°	5351.2	17.9
50°-60°	7164.7	24.0
60°-70°	6818.5	22.8
70°-80°	3558.0	11.9
80°-90°	269.3	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°	29882.0	100.0
0°-180°	29882.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954074

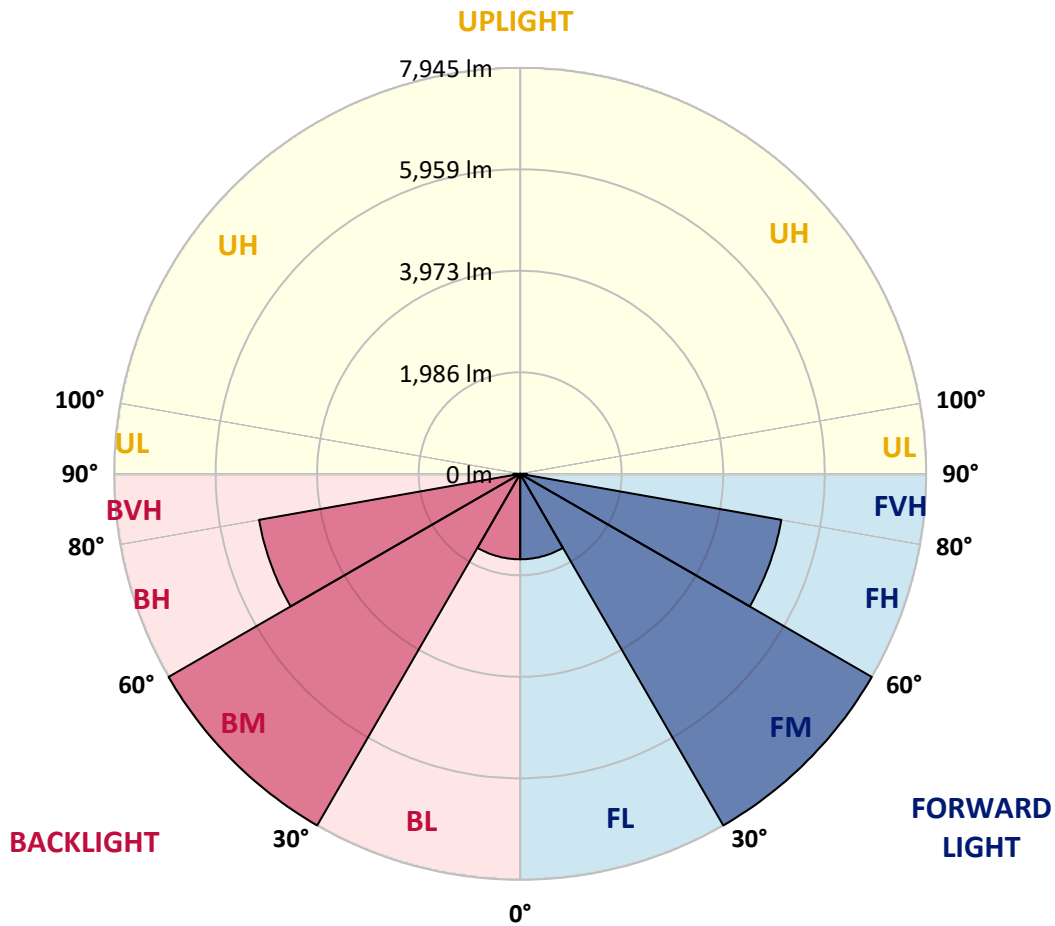
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.0	5.6			
FM (30°-60°)	7945.1	26.6			
FH (60°-80°)	5188.2	17.4			G3/7500
FVH (80°-90°)	134.7	0.5			G2/225
BL (0°-30°)	1673.0	5.6	B3/2500		
BM (30°-60°)	7945.1	26.6	B4/8500		
BH (60°-80°)	5188.2	17.4	B5		G5
BVH (80°-90°)	134.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3200.9	3200.9	3200.9	3200.9	3200.9	3200.9	3200.9	3200.9	3200.9	3200.9
2.5°	3200.9	3197.8	3200.9	3203.9	3202.4	3202.4	3210.1	3214.6	3223.8	3222.3
5°	3179.5	3178.0	3190.2	3203.9	3214.6	3232.9	3255.8	3272.6	3294.0	3298.5
7.5°	3168.9	3164.3	3185.6	3210.1	3243.6	3289.4	3333.6	3379.4	3416.0	3428.2
10°	3176.5	3178.0	3207.0	3252.8	3306.2	3370.2	3432.8	3510.6	3562.5	3574.7
12.5°	3211.6	3208.5	3257.3	3330.6	3403.8	3484.7	3557.9	3643.3	3699.8	3728.8
15°	3275.7	3269.6	3338.2	3446.5	3553.3	3647.9	3707.4	3788.3	3853.9	3890.5
17.5°	3351.9	3355.0	3445.0	3585.4	3725.7	3832.5	3889.0	3930.2	3980.5	4012.6
20°	3486.2	3492.3	3593.0	3759.3	3919.5	4041.6	4087.3	4072.1	4085.8	4110.2
22.5°	3666.2	3669.3	3782.2	3962.2	4130.0	4264.3	4294.8	4232.3	4194.1	4210.9
25°	3875.3	3895.1	4008.0	4192.6	4365.0	4493.2	4506.9	4412.3	4317.7	4322.3
27.5°	4130.0	4148.4	4262.8	4445.9	4621.3	4732.7	4731.2	4604.5	4465.7	4430.6
30°	4406.2	4426.0	4543.5	4732.7	4895.9	4993.6	4972.2	4821.2	4622.8	4557.2
32.5°	4734.2	4746.4	4865.4	5054.6	5205.7	5283.5	5239.2	5053.1	4805.9	4731.2
35°	5130.9	5149.2	5237.7	5416.2	5548.9	5613.0	5538.3	5318.6	5040.9	4957.0
37.5°	5584.0	5571.8	5672.5	5831.2	5941.0	5980.7	5878.5	5617.6	5309.4	5210.2
40°	6057.0	6050.9	6160.7	6313.3	6372.8	6397.2	6246.2	5960.9	5619.1	5512.3
42.5°	6485.7	6481.1	6629.1	6798.5	6870.2	6842.7	6652.0	6325.5	5977.7	5855.6
45°	6829.0	6822.9	7004.4	7242.4	7382.8	7337.0	7080.7	6728.3	6340.8	6214.1
47.5°	7092.9	7096.0	7291.3	7585.7	7831.4	7848.1	7518.6	7138.7	6740.5	6597.1
50°	7283.6	7292.8	7501.8	7828.3	8164.0	8312.0	7965.6	7559.8	7154.0	6992.2
52.5°	7330.9	7347.7	7599.5	7982.4	8377.6	8659.8	8420.3	7964.1	7546.1	7392.0
55°	7079.2	7112.8	7431.6	7970.2	8508.8	8888.7	8820.0	8374.5	7941.2	7782.5
57.5°	6501.0	6548.3	6920.5	7623.9	8479.8	9045.8	9129.7	8768.1	8336.4	8183.8
60°	5690.8	5747.3	6104.3	6871.7	8070.9	9103.8	9347.9	9151.1	8699.5	8551.5
62.5°	4468.7	4542.0	4969.2	5869.3	7207.4	8833.7	9534.0	9497.4	9026.0	8841.4
65°	2866.8	2944.6	3394.7	4458.1	6055.5	8006.8	9592.0	9834.6	9370.8	9112.9
67.5°	1728.6	1763.7	1986.4	2702.0	4426.0	6760.3	9100.7	10208.4	9773.6	9453.2
70°	1106.1	1126.0	1258.7	1586.7	2502.1	4932.6	7883.2	10278.6	10261.8	9802.6
72.5°	750.6	756.7	791.8	939.8	1415.8	2802.7	5814.4	9305.2	10566.9	10252.6
75°	549.2	582.8	639.3	665.2	804.0	1400.6	3332.1	6537.6	8905.5	9042.8
77.5°	408.9	410.4	488.2	518.7	573.7	746.1	1409.7	3649.4	5529.1	5805.2
80°	346.3	328.0	326.5	418.0	431.8	465.3	630.1	1260.2	1980.3	1200.7
82.5°	288.4	268.5	242.6	326.5	294.5	285.3	273.1	512.6	630.1	309.7
85°	201.4	192.2	183.1	213.6	167.8	143.4	131.2	239.5	265.5	131.2
87.5°	87.0	90.0	91.5	94.6	70.2	50.3	50.3	67.1	67.1	51.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
3200.9
3220.7
3298.5
3431.3
3586.9
3741.0
3904.2
4027.8
4128.5
4223.1
4329.9
4441.3
4564.9
4749.5
4969.2
5228.5
5547.4
5886.1
6243.1
6639.8
7041.1
7431.6
7826.8
8218.9
8583.5
8862.7
9145.0
9477.6
9799.5
10203.8
8710.2
5178.2
907.8
263.9
116.0
38.1
0.0

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