

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: P941753

Luminaire Tested: **GALN-SB5B-940-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB5B-940-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20391 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

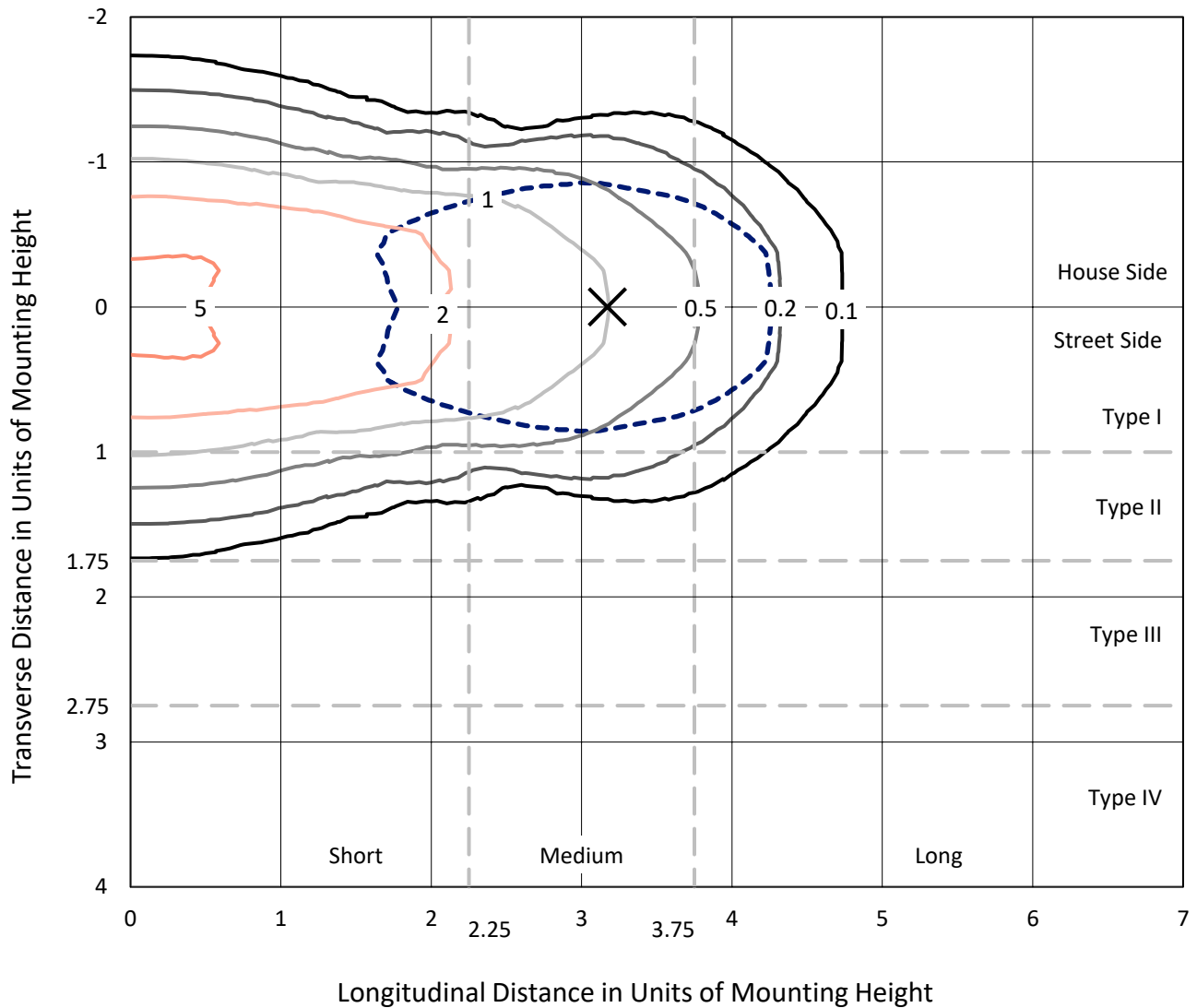
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

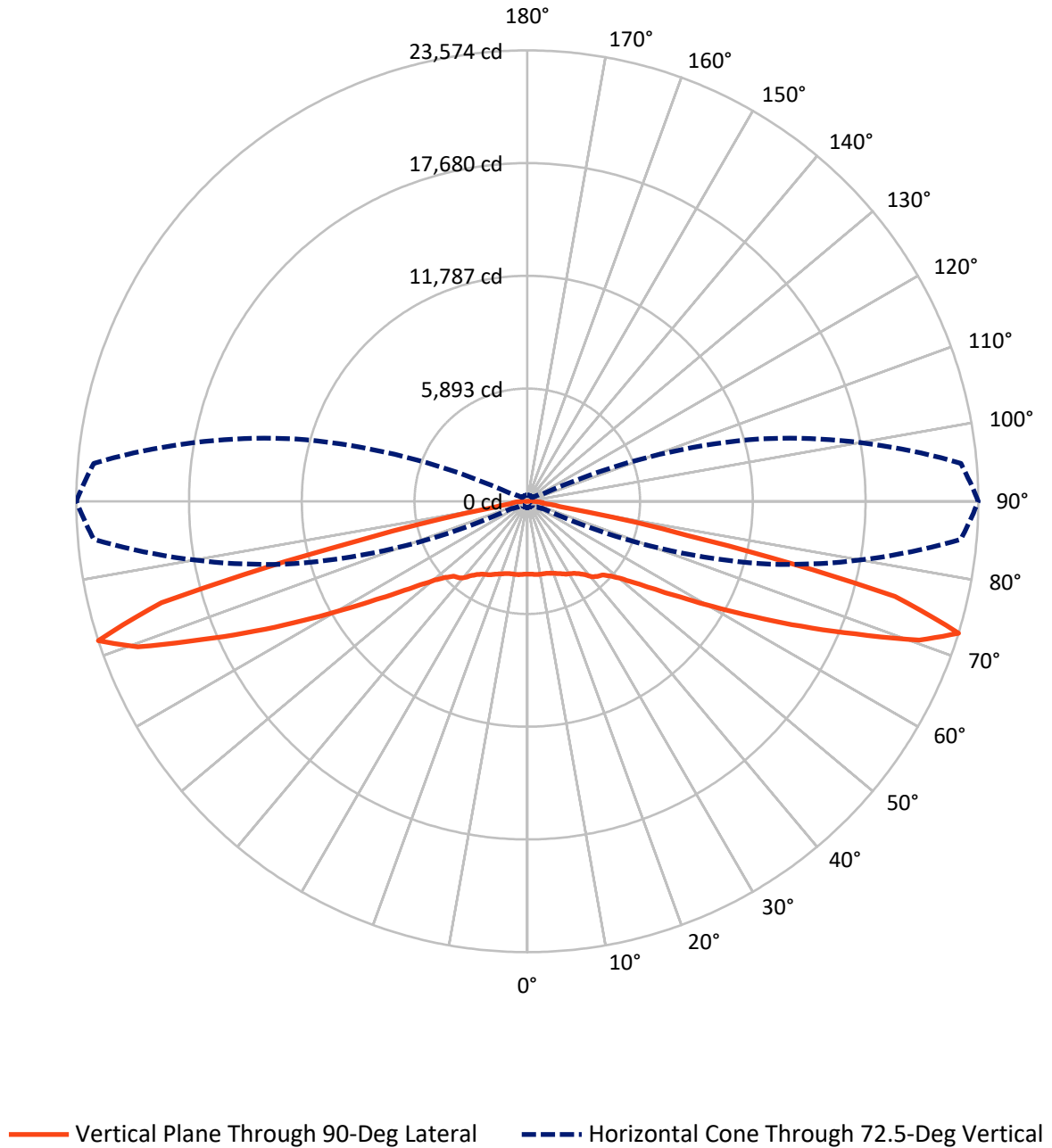
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10195.5	0.0	10195.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10195.5	0.0	10195.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20391.0	0.0	20391.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.5	1.8
10°-20°	1129.6	5.5
20°-30°	1883.6	9.2
30°-40°	2590.5	12.7
40°-50°	3163.7	15.5
50°-60°	3659.1	17.9
60°-70°	4362.9	21.4
70°-80°	3045.0	14.9
80°-90°	187.0	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°	20391.0	100.0
0°-180°	20391.0	100.0

**Coefficient of Utilization**



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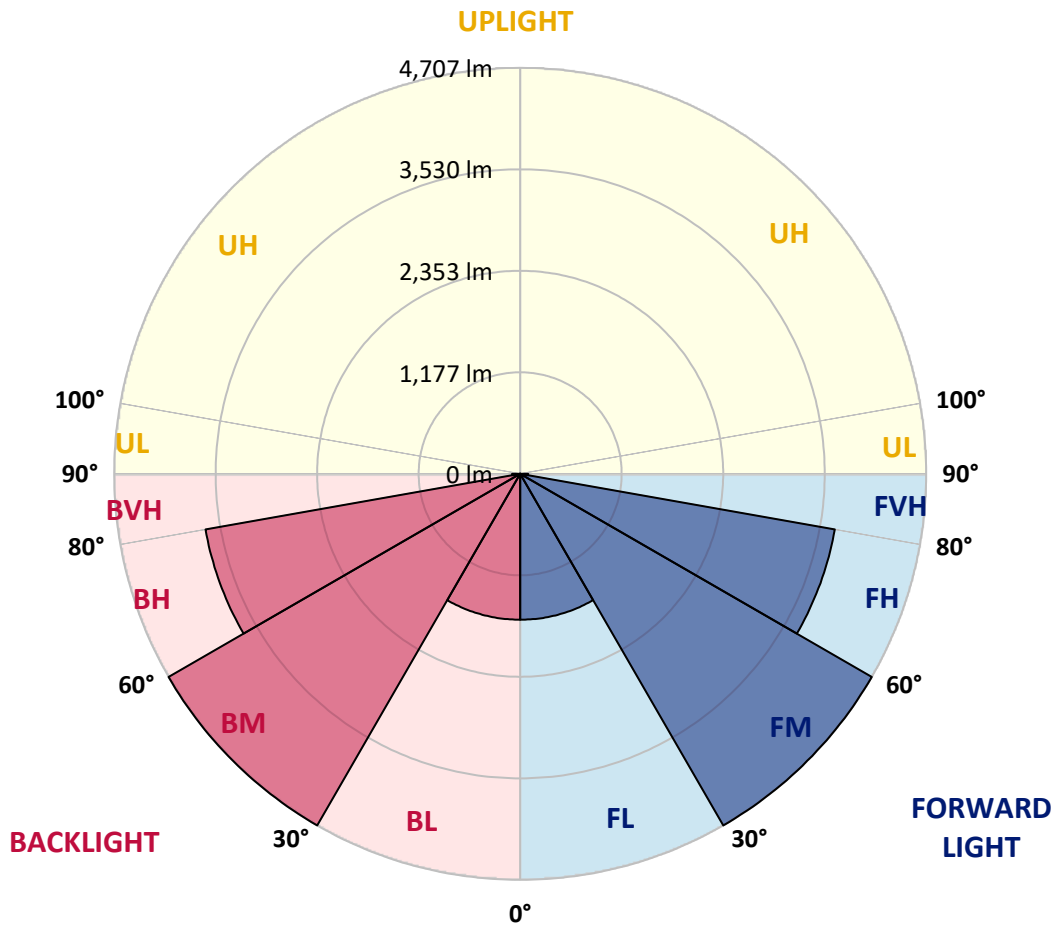
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.3	8.3			
FM (30°-60°)	4706.7	23.1			
FH (60°-80°)	3704.0	18.2			G2/5000
FVH (80°-90°)	93.5	0.5			G1/100
BL (0°-30°)	1691.3	8.3	B3/2500		
BM (30°-60°)	4706.7	23.1	B3/5000		
BH (60°-80°)	3704.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	93.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3810.3	3810.3	3810.3	3810.3	3810.3	3810.3	3810.3	3810.3	3810.3	3810.3
2.5°	3813.5	3817.9	3817.9	3814.6	3822.2	3815.7	3815.7	3812.4	3815.7	3812.4
5°	3833.0	3838.4	3840.6	3839.5	3849.3	3843.9	3843.9	3839.5	3840.6	3837.4
7.5°	3869.9	3877.5	3881.8	3887.2	3901.3	3894.8	3890.5	3877.5	3872.0	3863.4
10°	3881.8	3890.5	3904.6	3932.7	3965.2	3966.3	3953.3	3920.8	3895.9	3876.4
12.5°	3845.0	3856.9	3886.1	3943.6	4016.2	4045.4	4024.8	3970.7	3921.9	3887.2
15°	3798.4	3811.4	3855.8	3942.5	4049.8	4118.0	4115.9	4044.4	3966.3	3912.1
17.5°	3725.7	3738.7	3802.7	3924.1	4075.8	4188.5	4218.8	4145.1	4035.7	3963.1
20°	3594.6	3606.5	3695.4	3865.5	4084.4	4263.3	4342.4	4277.3	4140.8	4042.2
22.5°	3424.5	3442.9	3546.9	3764.8	4063.9	4341.3	4483.2	4438.8	4263.3	4126.7
25°	3242.4	3261.9	3383.3	3641.2	4010.8	4397.6	4650.1	4622.0	4402.0	4231.8
27.5°	3085.3	3105.9	3238.1	3518.8	3928.4	4419.3	4814.9	4828.9	4569.9	4347.8
30°	2961.7	2981.2	3122.1	3420.1	3822.2	4397.6	4959.0	5056.5	4741.2	4448.6
32.5°	2826.3	2851.2	2999.7	3299.9	3696.5	4345.6	5084.7	5302.5	4939.5	4556.9
35°	2655.1	2677.8	2833.9	3135.1	3531.8	4262.2	5189.8	5575.6	5223.4	4721.7
37.5°	2447.0	2468.7	2623.6	2929.2	3368.1	4145.1	5270.0	5883.4	5561.5	4959.0
40°	2237.8	2258.4	2403.6	2699.5	3172.0	3995.6	5298.2	6184.7	5949.5	5285.2
42.5°	2046.0	2064.4	2197.7	2473.0	2952.0	3804.9	5261.3	6446.9	6297.4	5512.8
45°	1869.4	1885.6	2003.8	2260.6	2723.3	3572.9	5150.8	6728.7	6711.3	5675.3
47.5°	1667.8	1684.1	1806.5	2054.7	2494.7	3300.9	4963.3	7006.1	7286.8	6043.8
50°	1421.8	1435.9	1561.6	1817.4	2257.3	3011.6	4703.2	7223.9	8012.8	6601.9
52.5°	1130.3	1145.5	1267.9	1523.7	1975.6	2700.6	4360.8	7365.9	8851.6	7416.8
55°	840.9	851.8	958.0	1187.7	1626.6	2346.2	3931.6	7406.0	9803.1	8530.9
57.5°	610.1	616.6	684.9	856.1	1233.2	1903.0	3410.4	7301.9	10935.6	9959.2
60°	494.2	496.3	516.9	592.8	857.2	1402.3	2780.8	6944.3	12164.5	11800.4
62.5°	448.6	448.6	454.1	474.7	579.8	925.5	2018.9	6203.1	13482.3	14127.1
65°	417.2	417.2	419.4	429.1	457.3	589.5	1274.4	4995.8	14593.0	16852.5
67.5°	389.0	390.1	389.0	392.3	408.6	435.6	739.1	3450.5	15191.2	19676.7
70°	359.8	362.0	356.5	356.5	369.5	370.6	462.7	1892.1	14694.9	22043.5
72.5°	325.1	328.4	319.7	317.5	327.3	322.9	347.9	908.1	12616.4	22750.0
75°	294.8	299.1	279.6	274.2	274.2	270.9	282.8	466.0	8188.4	18558.3
77.5°	267.7	276.3	244.9	227.6	223.2	213.5	230.8	285.0	3581.6	8712.9
80°	221.1	233.0	201.6	181.0	173.4	162.6	182.1	199.4	1065.3	2023.3
82.5°	164.7	170.1	143.0	129.0	122.5	114.9	136.5	138.7	346.8	716.3
85°	105.1	107.3	87.8	75.9	72.6	69.4	86.7	75.9	132.2	526.7
87.5°	36.8	42.3	33.6	30.3	32.5	27.1	40.1	22.8	36.8	371.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3810.3  
3812.4  
3837.4  
3863.4  
3873.1  
3881.8  
3903.5  
3951.2  
4023.8  
4101.8  
4197.2  
4310.9  
4395.5  
4489.8  
4646.9  
4859.3  
5179.0  
5376.2  
5491.1  
5831.4  
6335.3  
7088.5  
8120.1  
9442.2  
11149.1  
13254.7  
15749.3  
18485.7  
21730.3  
23573.6  
19850.1  
8531.9  
1937.6  
809.5  
765.1  
460.6  
0.0

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