

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: P953360

Luminaire Tested: **GALN-SB6D-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953360
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-SB6D-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46046 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

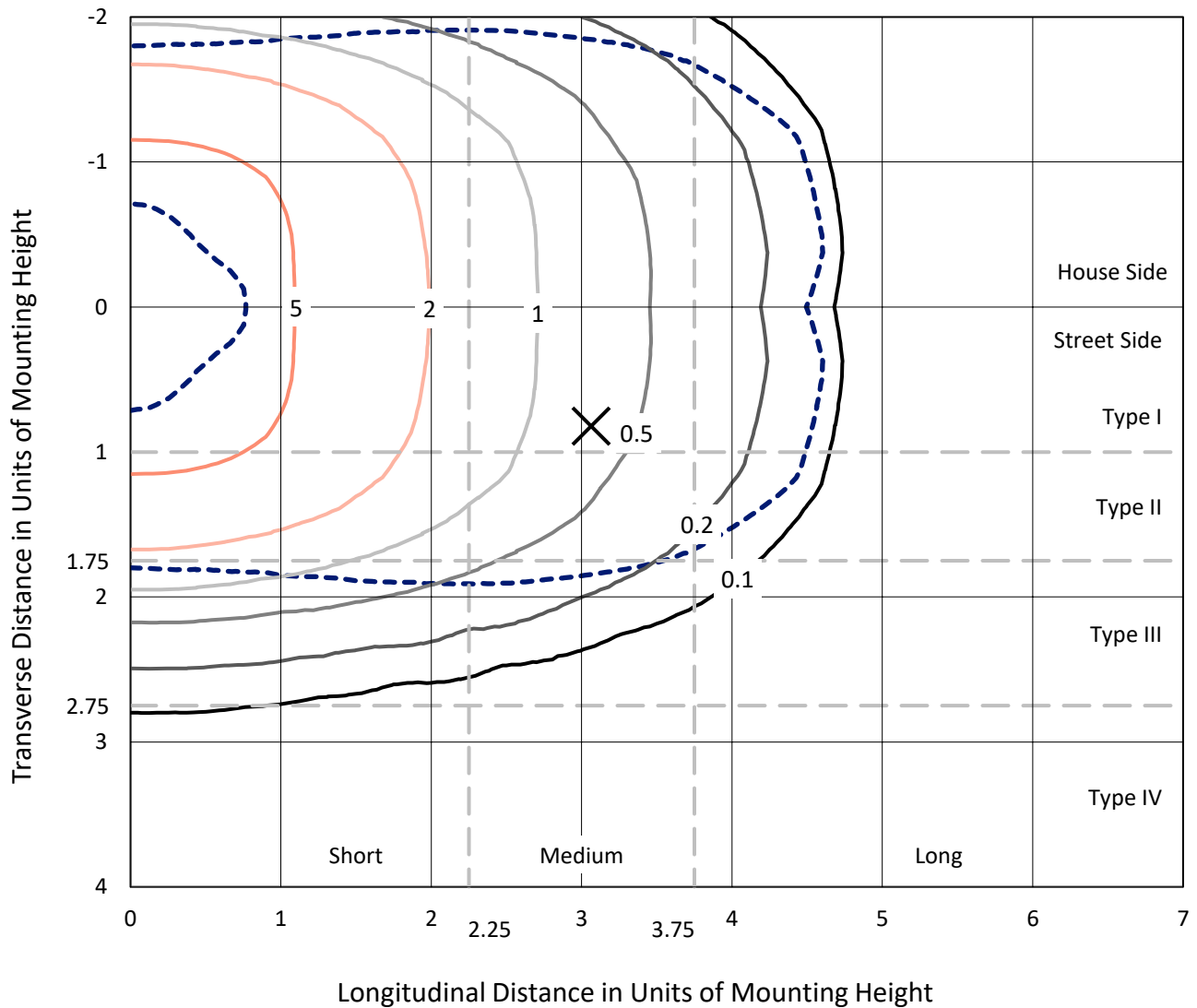
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

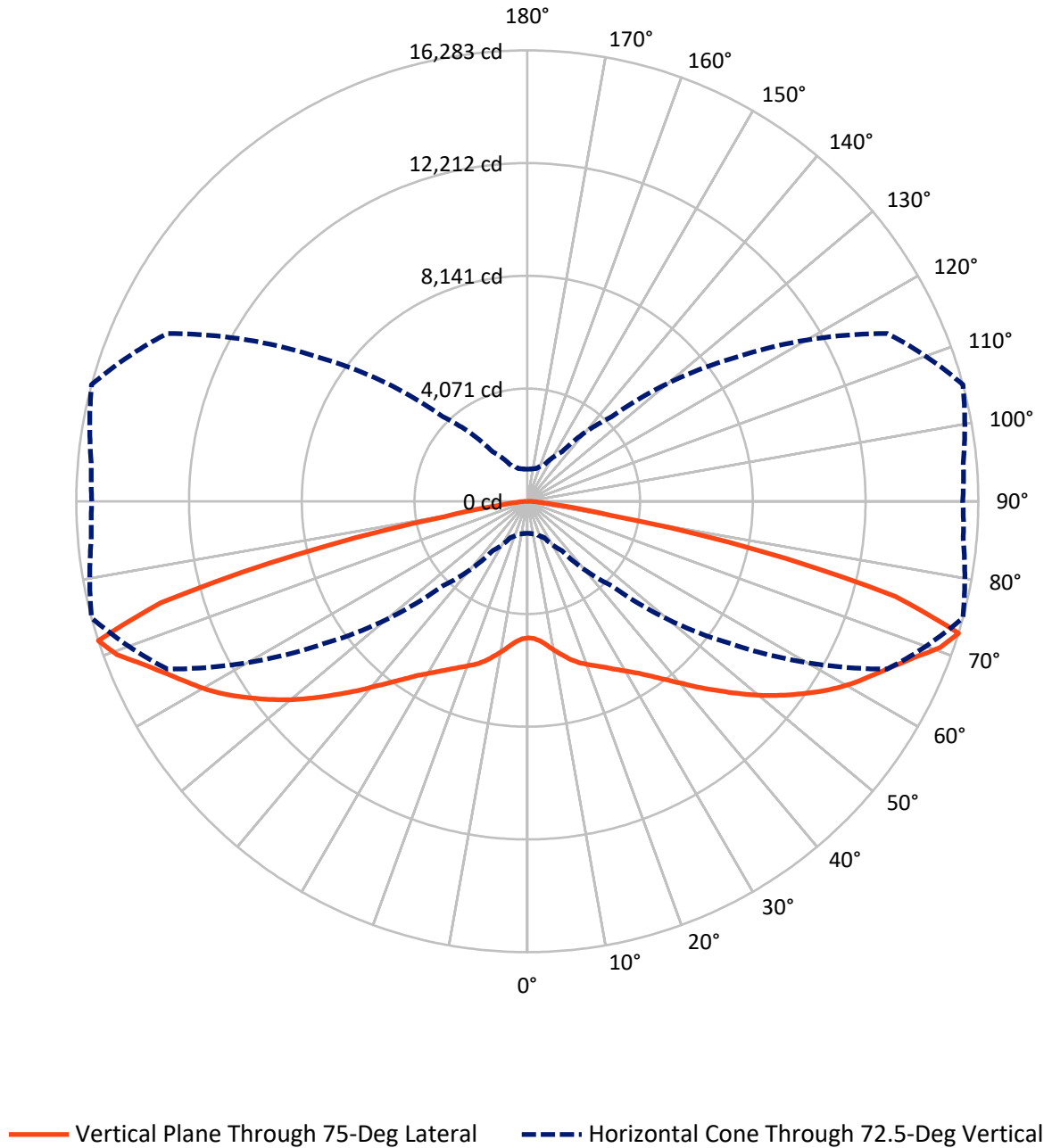
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	23023.0	0.0	23023.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23023.0	0.0	23023.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46046.0	0.0	46046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.2	1.0
10°-20°	1593.6	3.5
20°-30°	3079.3	6.7
30°-40°	5199.5	11.3
40°-50°	8245.9	17.9
50°-60°	11040.2	24.0
60°-70°	10506.8	22.8
70°-80°	5482.6	11.9
80°-90°	415.0	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°	46046.0	100.0
0°-180°	46046.0	100.0

Coefficient of Utilization



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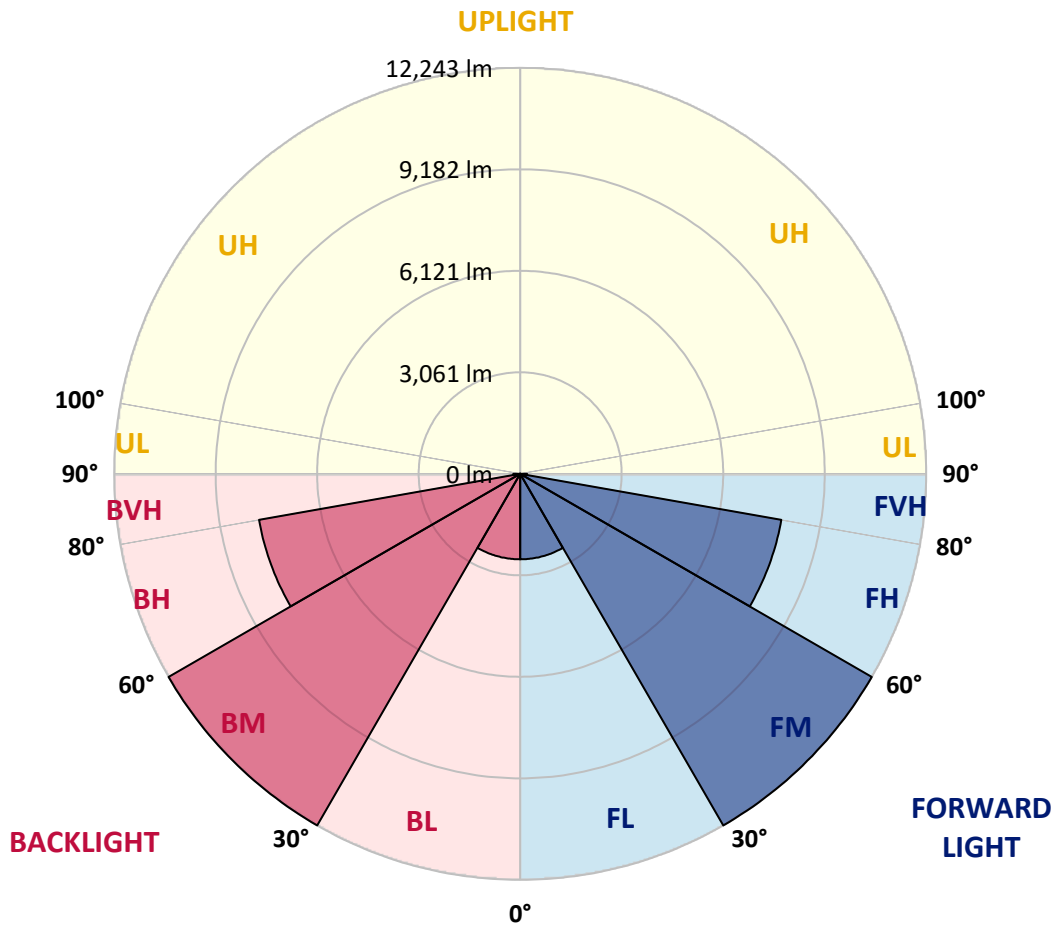
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2578.0	5.6			
FM (30°-60°)	12242.8	26.6			
FH (60°-80°)	7994.7	17.4			G4/12000
FVH (80°-90°)	207.5	0.5			G2/225
BL (0°-30°)	2578.0	5.6	B4/5000		
BM (30°-60°)	12242.8	26.6	B5		
BH (60°-80°)	7994.7	17.4	B5		G5
BVH (80°-90°)	207.5	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°	4932.4	4932.4	4932.4	4932.4	4932.4	4932.4	4932.4	4932.4	4932.4	4932.4
2.5°	4932.4	4927.6	4932.4	4937.1	4934.7	4934.7	4946.5	4953.5	4967.6	4965.3
5°	4899.4	4897.1	4915.9	4937.1	4953.5	4981.7	5017.0	5042.8	5075.8	5082.8
7.5°	4883.0	4875.9	4908.8	4946.5	4998.2	5068.7	5136.9	5207.4	5263.8	5282.6
10°	4894.7	4897.1	4941.8	5012.3	5094.6	5193.3	5289.7	5409.6	5489.5	5508.3
12.5°	4948.8	4944.1	5019.3	5132.2	5245.0	5369.6	5482.5	5614.1	5701.1	5745.8
15°	5047.5	5038.1	5143.9	5310.9	5475.4	5621.2	5712.9	5837.5	5938.6	5995.0
17.5°	5165.1	5169.8	5308.5	5524.8	5741.1	5905.7	5992.6	6056.1	6133.7	6183.1
20°	5372.0	5381.4	5536.6	5792.8	6039.7	6227.7	6298.3	6274.8	6295.9	6333.5
22.5°	5649.4	5654.1	5828.1	6105.5	6364.1	6571.0	6618.0	6521.6	6462.8	6488.7
25°	5971.5	6002.0	6176.0	6460.5	6726.1	6923.6	6944.8	6799.0	6653.3	6660.3
27.5°	6364.1	6392.3	6568.6	6850.7	7121.1	7292.7	7290.4	7095.3	6881.3	6827.2
30°	6789.6	6820.2	7001.2	7292.7	7544.3	7694.7	7661.8	7429.1	7123.5	7022.4
32.5°	7295.1	7313.9	7497.3	7788.8	8021.5	8141.4	8073.3	7786.4	7405.6	7290.4
35°	7906.3	7934.5	8070.9	8346.0	8550.5	8649.2	8534.0	8195.5	7767.6	7638.3
37.5°	8604.6	8585.8	8740.9	8985.4	9154.7	9215.8	9058.3	8656.3	8181.4	8028.6
40°	9333.4	9324.0	9493.2	9728.3	9820.0	9857.6	9624.9	9185.3	8658.7	8494.1
42.5°	9994.0	9987.0	10215.0	10476.0	10586.5	10544.1	10250.3	9747.2	9211.1	9023.1
45°	10523.0	10513.6	10793.3	11160.1	11376.4	11305.9	10910.9	10367.8	9770.7	9575.5
47.5°	10929.7	10934.4	11235.3	11689.1	12067.6	12093.4	11585.6	11000.2	10386.6	10165.6
50°	11223.6	11237.7	11559.8	12062.9	12580.1	12808.1	12274.5	11649.1	11023.7	10774.5
52.5°	11296.4	11322.3	11710.2	12300.3	12909.2	13344.1	12975.0	12272.1	11627.9	11390.5
55°	10908.5	10960.3	11451.6	12281.5	13111.4	13696.8	13591.0	12904.5	12236.8	11992.3
57.5°	10017.5	10090.4	10664.0	11747.8	13066.7	13938.9	14068.2	13511.1	12845.7	12610.6
60°	8769.1	8856.1	9406.3	10588.8	12436.7	14028.3	14404.4	14101.2	13405.3	13177.2
62.5°	6886.0	6998.9	7657.1	9044.2	11106.0	13612.2	14691.3	14634.8	13908.4	13623.9
65°	4417.5	4537.4	5230.9	6869.6	9331.0	12337.9	14780.6	15154.4	14439.7	14042.4
67.5°	2663.7	2717.7	3061.0	4163.6	6820.2	10417.2	14023.6	15730.4	15060.4	14566.7
70°	1704.5	1735.0	1939.6	2445.0	3855.6	7600.7	12147.5	15838.5	15812.7	15105.0
72.5°	1156.7	1166.1	1220.2	1448.2	2181.7	4318.7	8959.6	14338.6	16282.9	15798.6
75°	846.4	898.1	985.1	1025.0	1239.0	2158.2	5134.5	10073.9	13722.7	13934.2
77.5°	630.1	632.4	752.3	799.3	884.0	1149.6	2172.3	5623.5	8519.9	8945.5
80°	533.7	505.5	503.1	644.2	665.3	717.0	971.0	1941.9	3051.6	1850.2
82.5°	444.3	413.8	373.8	503.1	453.7	439.6	420.8	789.9	971.0	477.2
85°	310.3	296.2	282.1	329.1	258.6	221.0	202.2	369.1	409.1	202.2
87.5°	134.0	138.7	141.1	145.8	108.1	77.6	77.6	103.4	103.4	79.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4932.4
4962.9
5082.8
5287.3
5527.1
5764.6
6016.2
6206.6
6361.7
6507.5
6672.1
6843.7
7034.1
7318.6
7657.1
8056.8
8548.2
9070.1
9620.2
10231.5
10849.8
11451.6
12060.5
12664.7
13226.6
13656.8
14091.8
14604.3
15100.3
15723.3
13421.7
7979.2
1398.8
406.7
178.7
58.8
0.0

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