

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: P953192

Luminaire Tested: **GALN-SB6D-827-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953192
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-827-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55256 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

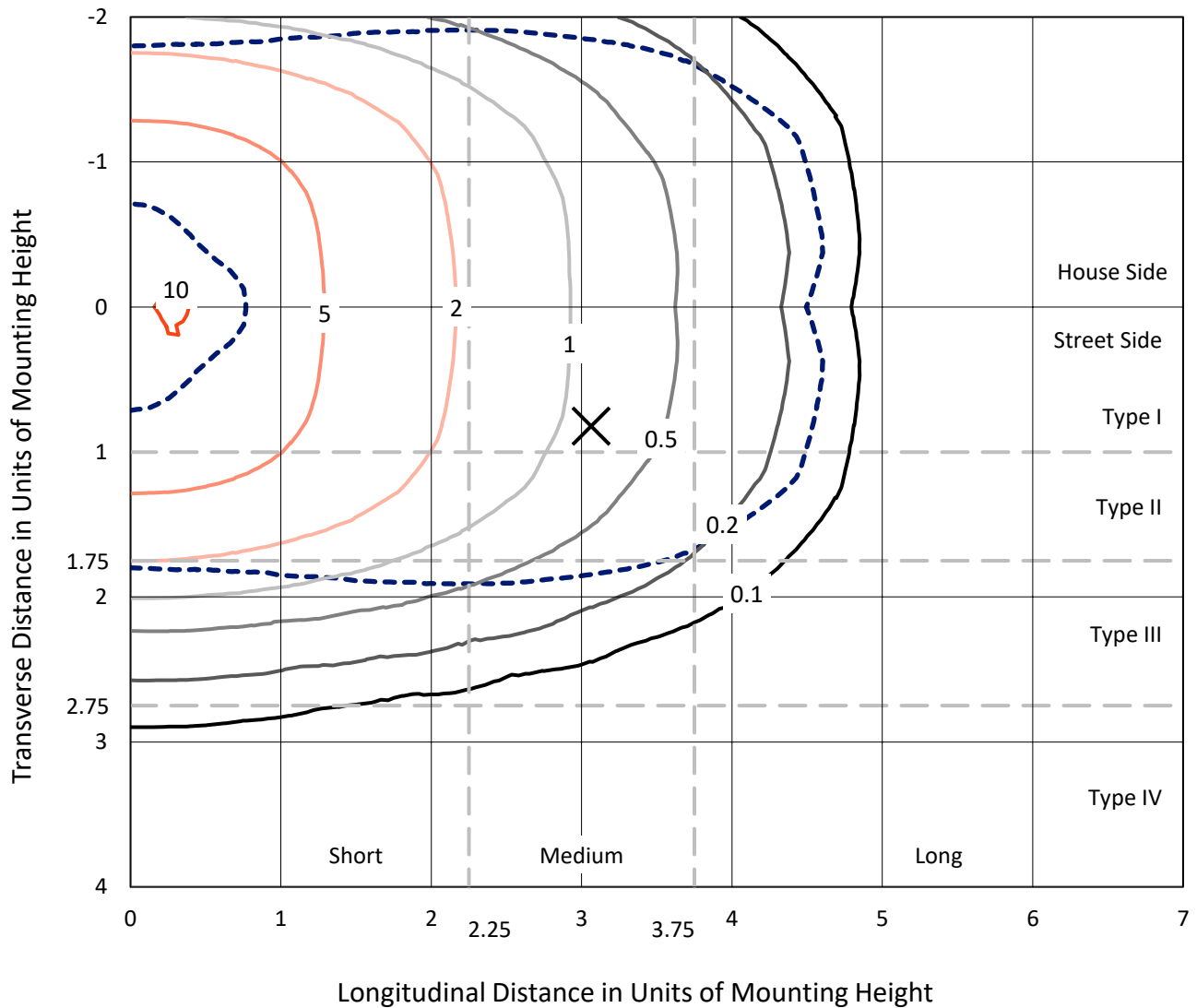
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

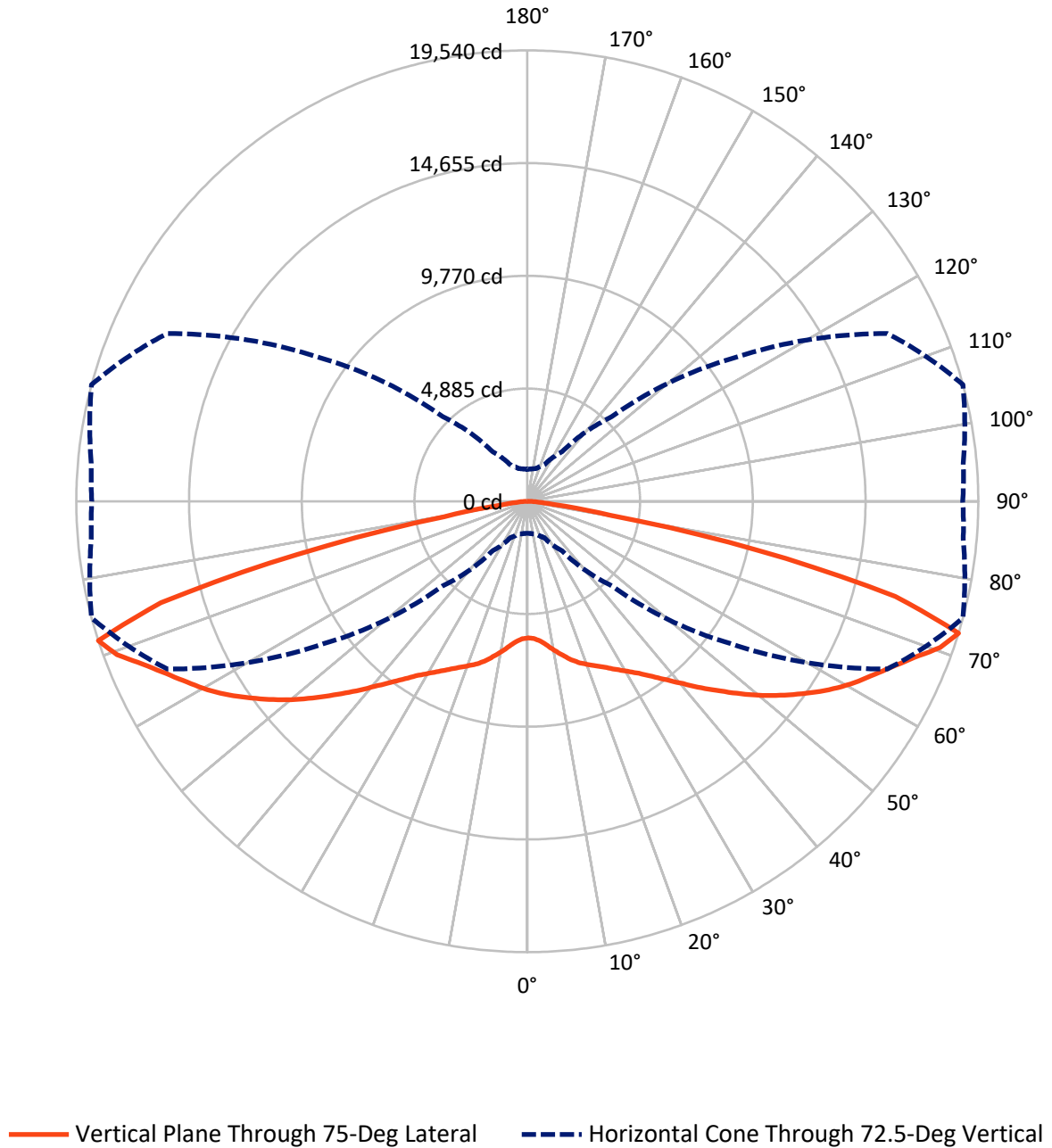
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	27628.0	0.0	27628.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27628.0	0.0	27628.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	55256.0	0.0	55256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.8	1.0
10°-20°	1912.3	3.5
20°-30°	3695.2	6.7
30°-40°	6239.5	11.3
40°-50°	9895.2	17.9
50°-60°	13248.5	24.0
60°-70°	12608.3	22.8
70°-80°	6579.2	11.9
80°-90°	498.0	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°	55256.0	100.0
0°-180°	55256.0	100.0

Coefficient of Utilization



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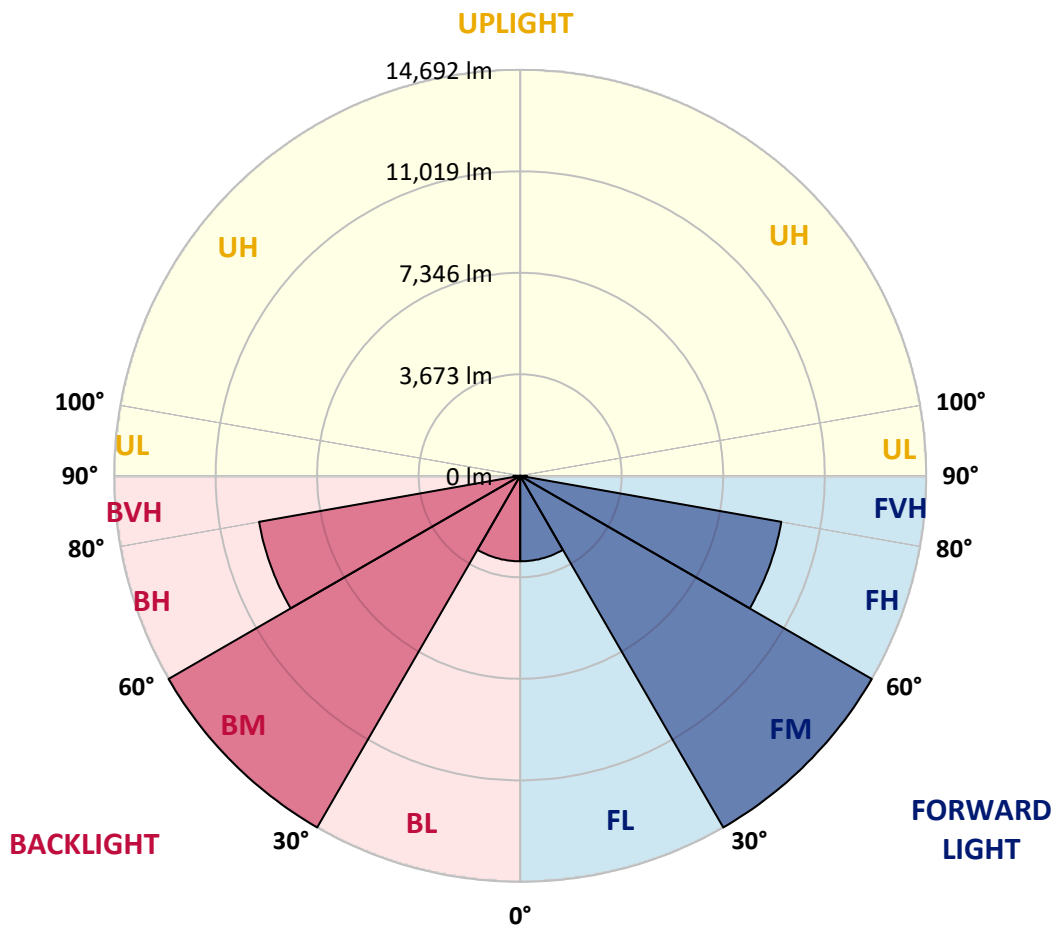
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3093.7	5.6			
FM (30°-60°)	14691.6	26.6			
FH (60°-80°)	9593.8	17.4			G4/12000
FVH (80°-90°)	249.0	0.5			G3/500
BL (0°-30°)	3093.7	5.6	B4/5000		
BM (30°-60°)	14691.6	26.6	B5		
BH (60°-80°)	9593.8	17.4	B5		G5
BVH (80°-90°)	249.0	0.5			G3/500
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°	5918.9	5918.9	5918.9	5918.9	5918.9	5918.9	5918.9	5918.9	5918.9	5918.9
2.5°	5918.9	5913.3	5918.9	5924.5	5921.7	5921.7	5935.8	5944.3	5961.2	5958.4
5°	5879.4	5876.6	5899.2	5924.5	5944.3	5978.2	6020.5	6051.5	6091.0	6099.5
7.5°	5859.7	5851.2	5890.7	5935.8	5997.9	6082.5	6164.4	6249.0	6316.7	6339.3
10°	5873.8	5876.6	5930.2	6014.8	6113.6	6232.1	6347.7	6491.6	6587.5	6610.1
12.5°	5938.7	5933.0	6023.3	6158.7	6294.1	6443.7	6579.1	6737.1	6841.4	6895.0
15°	6057.1	6045.9	6172.8	6373.1	6570.6	6745.5	6855.5	7005.1	7126.4	7194.1
17.5°	6198.2	6203.8	6370.3	6629.9	6889.4	7086.9	7191.3	7267.4	7360.5	7419.8
20°	6446.5	6457.8	6644.0	6951.5	7247.7	7473.4	7558.0	7529.8	7555.2	7600.4
22.5°	6779.4	6785.0	6993.8	7326.7	7637.0	7885.3	7941.7	7826.0	7755.5	7786.6
25°	7165.9	7202.6	7411.3	7752.7	8071.5	8308.5	8333.9	8159.0	7984.0	7992.5
27.5°	7637.0	7670.9	7882.5	8221.0	8545.5	8751.4	8748.6	8514.4	8257.7	8192.8
30°	8147.7	8184.3	8401.6	8751.4	9053.3	9233.8	9194.3	8915.0	8548.3	8427.0
32.5°	8754.2	8776.8	8996.9	9346.7	9626.0	9769.9	9688.0	9343.9	8886.8	8748.6
35°	9487.7	9521.6	9685.2	10015.3	10260.8	10379.2	10241.0	9834.8	9321.3	9166.1
37.5°	10325.6	10303.1	10489.3	10782.7	10985.8	11059.2	10870.1	10387.7	9817.8	9634.4
40°	11200.2	11188.9	11392.1	11674.2	11784.2	11829.3	11550.0	11022.5	10390.5	10193.0
42.5°	11993.0	11984.5	12258.2	12571.3	12703.9	12653.1	12300.5	11696.8	11053.5	10827.8
45°	12627.8	12616.5	12952.2	13392.3	13651.9	13567.2	13093.3	12441.6	11725.0	11490.8
47.5°	13115.8	13121.5	13482.6	14027.1	14481.3	14512.3	13902.9	13200.5	12464.1	12198.9
50°	13468.5	13485.4	13871.9	14475.6	15096.3	15370.0	14729.6	13979.1	13228.7	12929.6
52.5°	13555.9	13587.0	14052.5	14760.6	15491.3	16013.2	15570.3	14726.7	13953.7	13668.8
55°	13090.4	13152.5	13742.1	14738.0	15733.9	16436.4	16309.4	15485.6	14684.4	14391.0
57.5°	12021.2	12108.7	12797.0	14097.6	15680.3	16727.0	16882.1	16213.5	15415.1	15133.0
60°	10523.1	10627.5	11287.7	12706.7	14924.2	16834.2	17285.6	16921.6	16086.6	15812.9
62.5°	8263.3	8398.8	9188.7	10853.2	13327.4	16334.8	17629.8	17562.1	16690.3	16348.9
65°	5301.1	5444.9	6277.2	8243.6	11197.4	14805.7	17737.0	18185.5	17327.9	16851.1
67.5°	3196.4	3261.3	3673.2	4996.4	8184.3	12500.8	16828.5	18876.7	18072.7	17480.2
70°	2045.4	2082.1	2327.5	2934.1	4626.8	9121.0	14577.2	19006.5	18975.5	18126.3
72.5°	1388.0	1399.3	1464.2	1737.9	2618.1	5182.6	10751.6	17206.6	19539.7	18958.6
75°	1015.6	1077.7	1182.1	1230.0	1486.8	2589.9	6161.5	12088.9	16467.4	16721.3
77.5°	756.1	758.9	902.8	959.2	1060.8	1379.6	2606.8	6748.3	10224.1	10734.7
80°	640.4	606.6	603.7	773.0	798.4	860.5	1165.2	2330.3	3661.9	2220.3
82.5°	533.2	496.5	448.6	603.7	544.5	527.6	505.0	947.9	1165.2	572.7
85°	372.4	355.5	338.5	395.0	310.3	265.2	242.6	442.9	490.9	242.6
87.5°	160.8	166.5	169.3	174.9	129.8	93.1	93.1	124.1	124.1	95.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5918.9
5955.6
6099.5
6344.9
6632.7
6917.6
7219.5
7448.0
7634.2
7809.1
8006.6
8212.6
8441.1
8782.4
9188.7
9668.3
10257.9
10884.2
11544.4
12277.9
13019.9
13742.1
14472.8
15197.9
15872.1
16388.4
16910.4
17525.4
18120.7
18868.3
16106.3
9575.2
1678.6
488.1
214.4
70.5
0.0

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