

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: STREETWORKS

Report Number: P849674

Luminaire Tested: **GLAN-SB6D-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48672 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

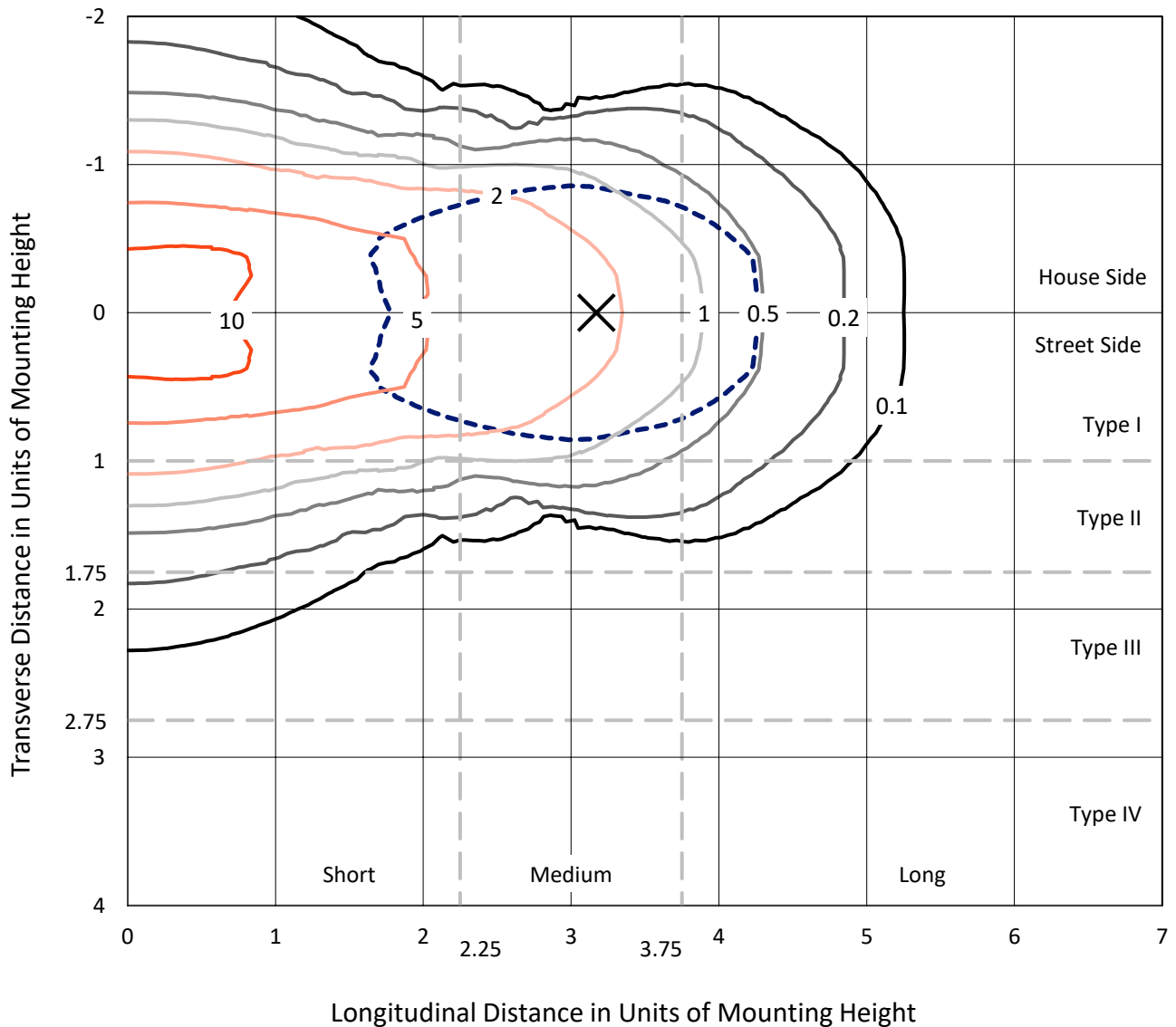
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

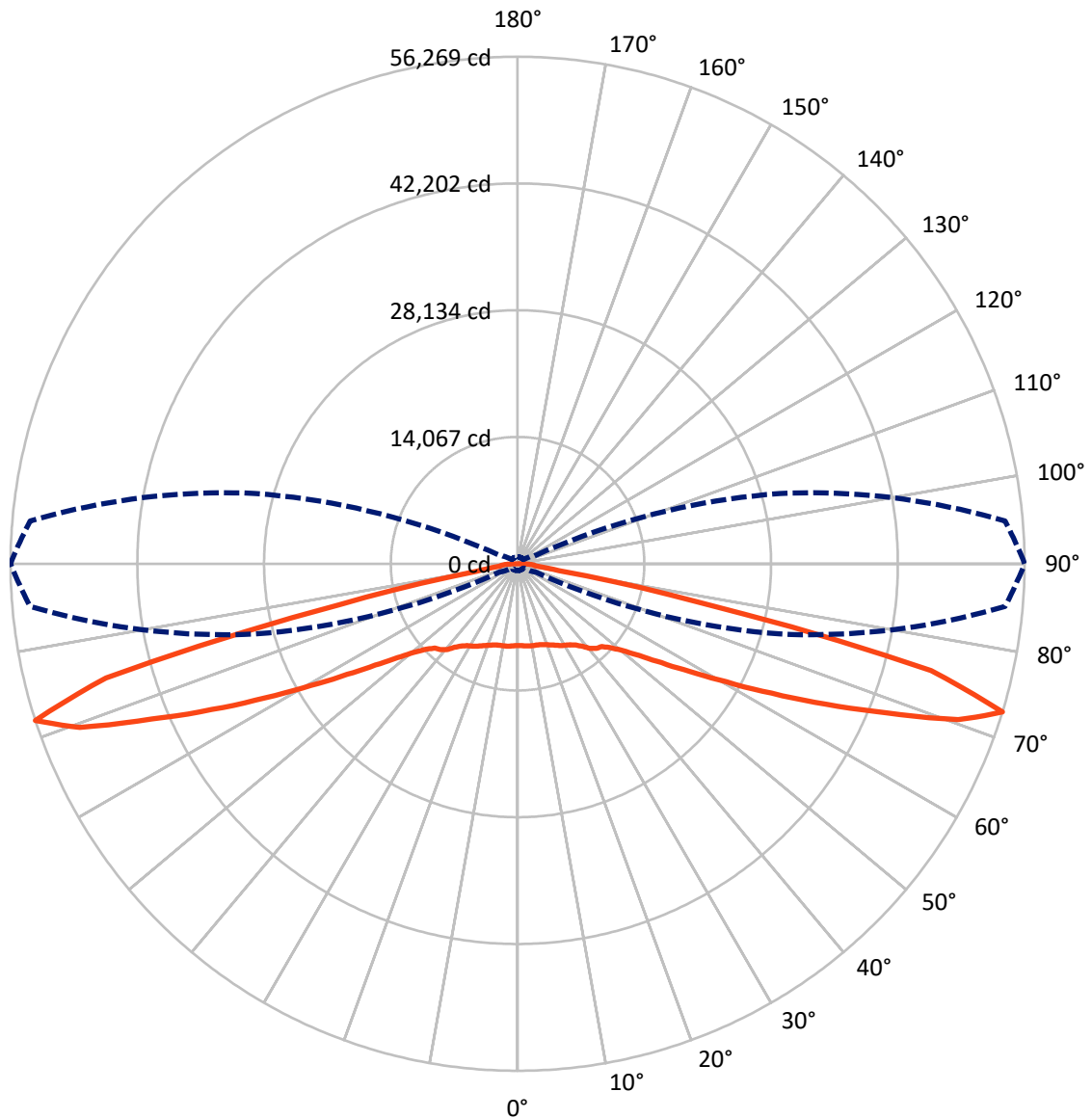
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24336.0	0.0	24336.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24336.0	0.0	24336.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48672.0	0.0	48672.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.9	1.8
10°-20°	2696.4	5.5
20°-30°	4496.0	9.2
30°-40°	6183.3	12.7
40°-50°	7551.5	15.5
50°-60°	8734.2	17.9
60°-70°	10414.0	21.4
70°-80°	7268.3	14.9
80°-90°	446.4	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°	48672.0	100.0
0°-180°	48672.0	100.0

Coefficient of Utilization



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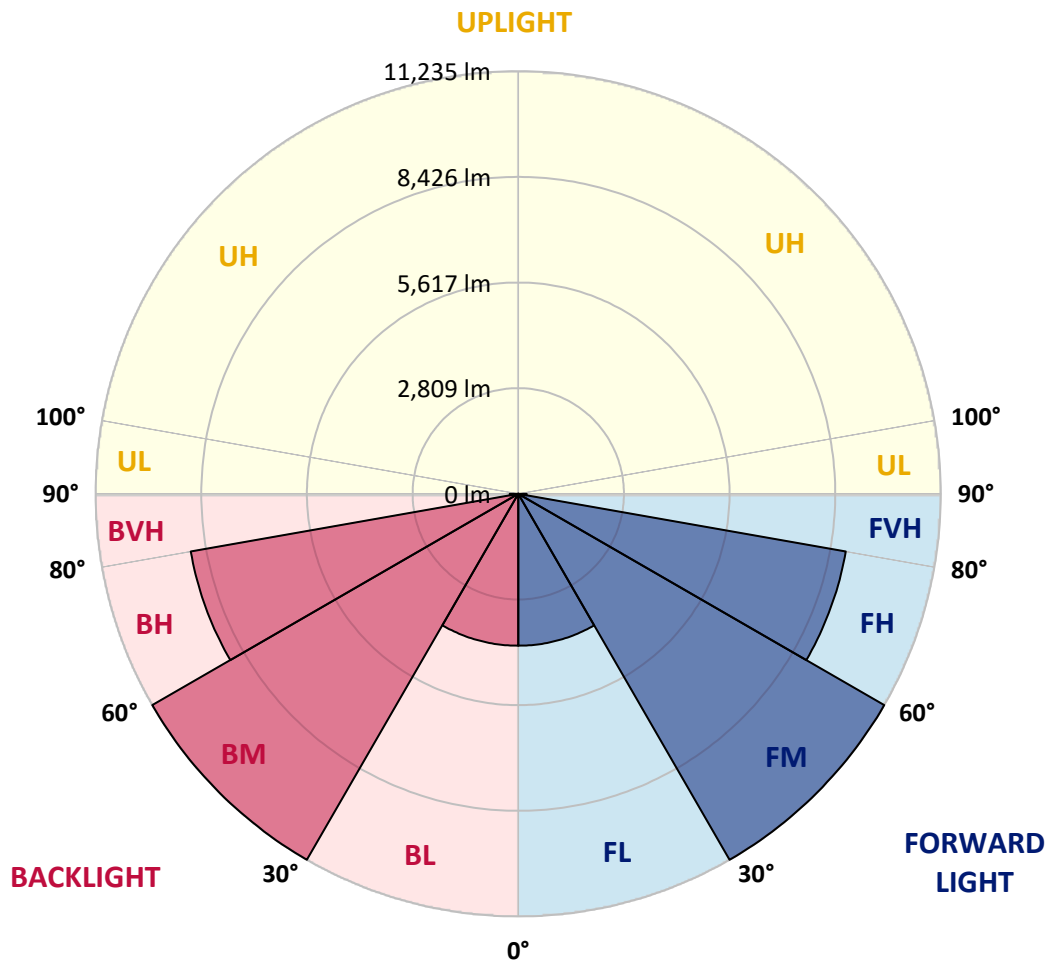
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4037.1	8.3			
FM (30°-60°)	11234.5	23.1			
FH (60°-80°)	8841.2	18.2			G4/12000
FVH (80°-90°)	223.2	0.5			G2/225
BL (0°-30°)	4037.1	8.3	B4/5000		
BM (30°-60°)	11234.5	23.1	B5		
BH (60°-80°)	8841.2	18.2	B5		G5
BVH (80°-90°)	223.2	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9094.9	9094.9	9094.9	9094.9	9094.9	9094.9	9094.9	9094.9	9094.9	9094.9
2.5°	9102.6	9113.0	9113.0	9105.2	9123.3	9107.8	9107.8	9100.1	9107.8	9100.1
5°	9149.2	9162.1	9167.3	9164.7	9188.0	9175.1	9175.1	9164.7	9167.3	9159.5
7.5°	9237.1	9255.3	9265.6	9278.5	9312.2	9296.6	9286.3	9255.3	9242.3	9221.6
10°	9265.6	9286.3	9319.9	9387.2	9464.8	9467.4	9436.3	9358.7	9299.2	9252.7
12.5°	9177.7	9206.1	9275.9	9413.0	9586.4	9656.2	9607.0	9477.7	9361.3	9278.5
15°	9066.4	9097.5	9203.5	9410.5	9666.5	9829.5	9824.3	9653.6	9467.4	9338.0
17.5°	8893.1	8924.2	9076.8	9366.5	9728.6	9997.6	10070.1	9894.2	9632.9	9459.6
20°	8580.1	8608.6	8820.7	9226.8	9749.3	10176.1	10365.0	10209.7	9883.8	9648.4
22.5°	8174.0	8218.0	8466.3	8986.2	9700.2	10362.4	10701.2	10595.2	10176.1	9850.2
25°	7739.4	7786.0	8075.7	8691.4	9573.4	10496.9	11099.6	11032.3	10507.2	10101.1
27.5°	7364.4	7413.5	7729.1	8399.1	9376.8	10548.6	11492.8	11526.4	10908.2	10377.9
30°	7069.5	7116.0	7452.3	8163.7	9123.3	10496.9	11836.8	12069.6	11316.9	10618.4
32.5°	6746.1	6805.6	7160.0	7876.5	8823.3	10372.7	12136.8	12656.8	11790.2	10877.1
35°	6337.4	6391.8	6764.3	7483.4	8430.1	10173.5	12387.8	13308.6	12467.9	11270.3
37.5°	5840.8	5892.5	6262.4	6991.9	8039.5	9894.2	12579.2	14043.3	13275.0	11836.8
40°	5341.6	5390.7	5737.3	6443.5	7571.3	9537.2	12646.4	14762.4	14201.0	12615.4
42.5°	4883.7	4927.7	5245.9	5902.9	7046.2	9081.9	12558.5	15388.3	15031.4	13158.6
45°	4462.1	4500.9	4782.8	5395.9	6500.4	8528.4	12294.6	16060.9	16019.5	13546.6
47.5°	3980.9	4019.7	4312.0	4904.4	5954.6	7879.1	11847.1	16723.1	17393.0	14426.1
50°	3393.8	3427.4	3727.5	4337.9	5388.1	7188.5	11226.3	17243.0	19126.1	15758.2
52.5°	2697.9	2734.2	3026.5	3636.9	4715.6	6446.1	10408.9	17581.9	21128.3	17703.5
55°	2007.3	2033.2	2286.7	2835.0	3882.7	5600.2	9384.6	17677.6	23399.4	20362.6
57.5°	1456.3	1471.8	1634.8	2043.5	2943.7	4542.3	8140.4	17429.3	26102.5	23771.9
60°	1179.5	1184.7	1233.9	1414.9	2046.1	3347.2	6637.5	16575.6	29035.8	28166.7
62.5°	1070.9	1070.9	1083.8	1133.0	1383.9	2209.1	4819.0	14806.3	32181.3	33720.4
65°	995.9	995.9	1001.1	1024.3	1091.6	1407.2	3042.0	11924.7	34832.7	40225.9
67.5°	928.6	931.2	928.6	936.4	975.2	1039.9	1764.1	8236.1	36260.5	46966.9
70°	858.8	864.0	851.0	851.0	882.1	884.7	1104.5	4516.4	35075.8	52616.3
72.5°	776.0	783.8	763.1	757.9	781.2	770.8	830.3	2167.7	30114.5	54302.8
75°	703.6	713.9	667.4	654.4	654.4	646.7	675.1	1112.3	19545.2	44297.4
77.5°	638.9	659.6	584.6	543.2	532.9	509.6	551.0	680.3	8549.1	20797.2
80°	527.7	556.1	481.1	432.0	413.9	388.0	434.6	476.0	2542.7	4829.4
82.5°	393.2	406.1	341.4	307.8	292.3	274.2	325.9	331.1	827.7	1709.8
85°	250.9	256.1	209.5	181.1	173.3	165.5	206.9	181.1	315.6	1257.1
87.5°	87.9	100.9	80.2	72.4	77.6	64.7	95.7	54.3	87.9	887.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

9094.9
9100.1
9159.5
9221.6
9244.9
9265.6
9317.3
9431.1
9604.5
9790.7
10018.3
10289.9
10491.7
10716.7
11091.8
11598.8
12361.9
12832.7
13106.9
13919.1
15121.9
16919.7
19382.2
22538.0
26612.1
31638.1
37592.7
44124.1
51868.7
56268.7
47380.8
20365.2
4625.0
1932.3
1826.2
1099.4
0.0

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