

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: P850704

Luminaire Tested: **GLAN-SB8B-830-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850704
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-SB8B-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38677 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

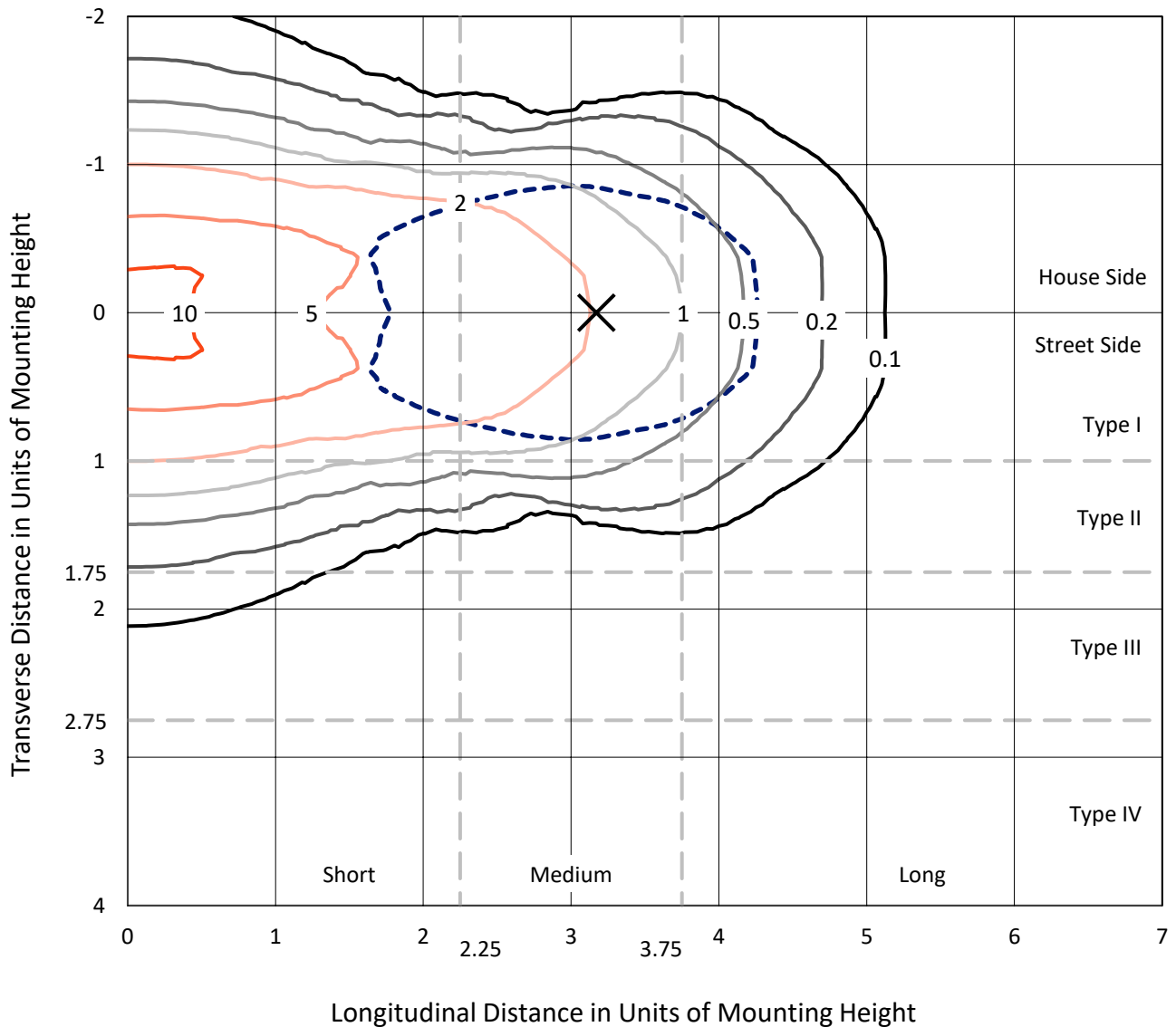
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

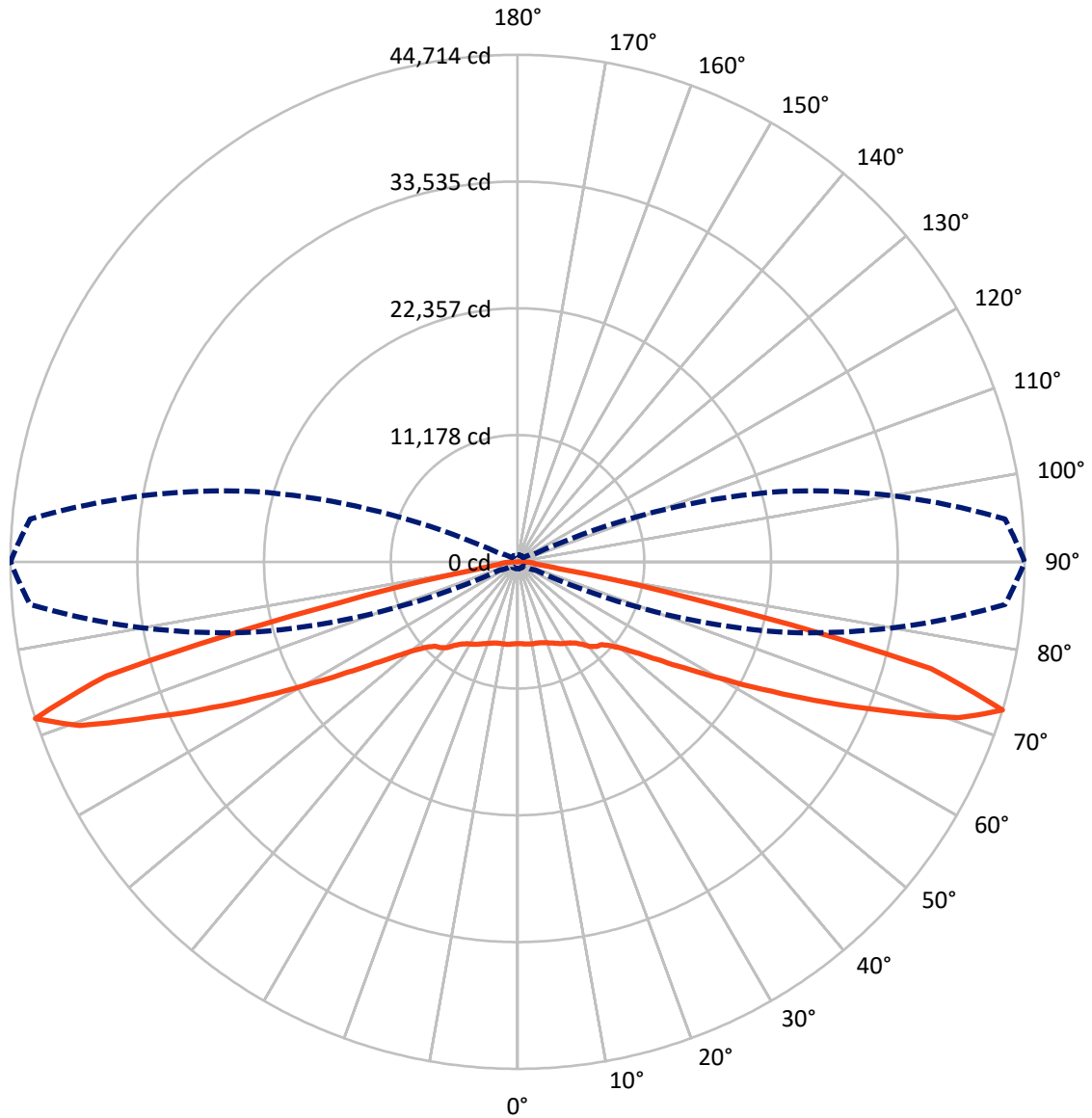
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	19338.5	0.0	19338.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19338.5	0.0	19338.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38677.0	0.0	38677.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.8	1.8
10°-20°	2142.7	5.5
20°-30°	3572.7	9.2
30°-40°	4913.6	12.7
40°-50°	6000.8	15.5
50°-60°	6940.6	17.9
60°-70°	8275.5	21.4
70°-80°	5775.7	14.9
80°-90°	354.8	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°	38677.0	100.0
0°-180°	38677.0	100.0

Coefficient of Utilization

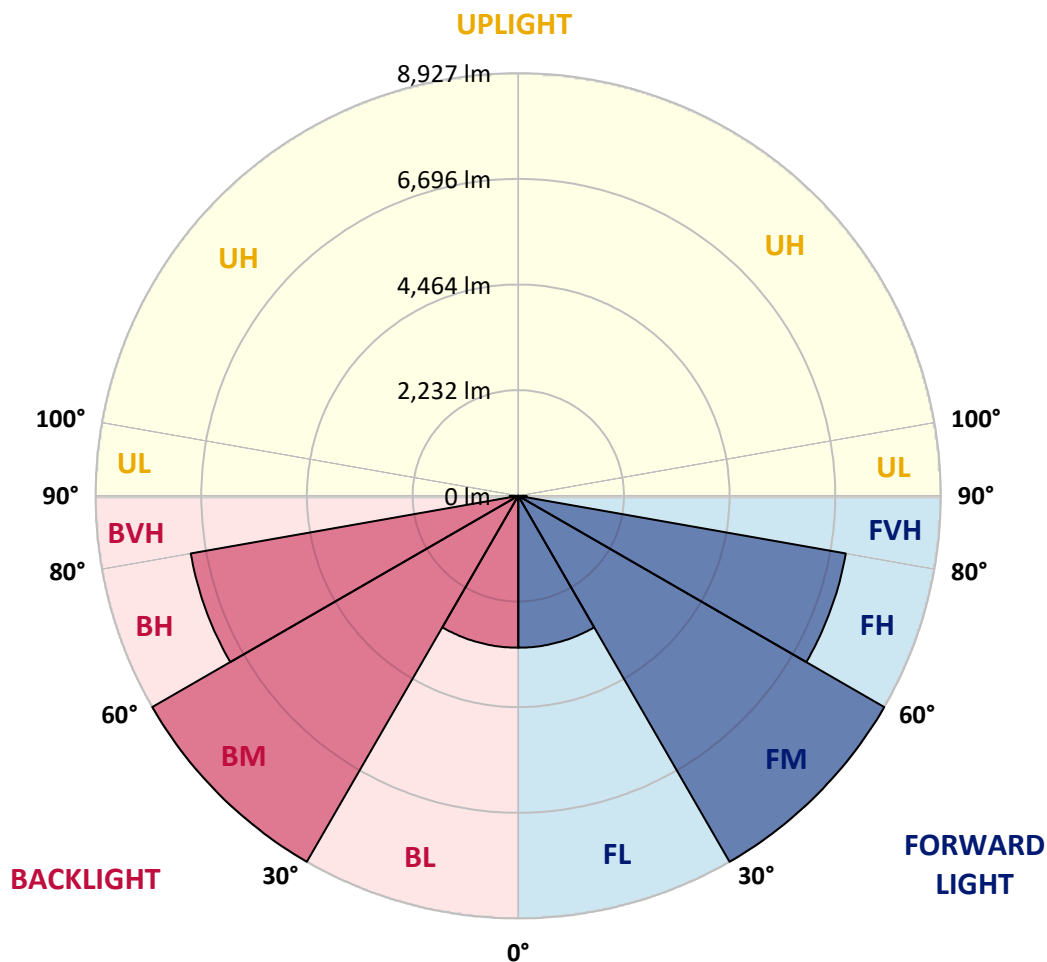


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3208.1	8.3			
FM (30°-60°)	8927.5	23.1			
FH (60°-80°)	7025.6	18.2			G3/7500
FVH (80°-90°)	177.4	0.5			G2/225
BL (0°-30°)	3208.1	8.3	B4/5000		
BM (30°-60°)	8927.5	23.1	B5		
BH (60°-80°)	7025.6	18.2	B5		G5
BVH (80°-90°)	177.4	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°	7227.2	7227.2	7227.2	7227.2	7227.2	7227.2	7227.2	7227.2	7227.2	7227.2
2.5°	7233.4	7241.6	7241.6	7235.4	7249.8	7237.5	7237.5	7231.3	7237.5	7231.3
5°	7270.4	7280.6	7284.8	7282.7	7301.2	7290.9	7290.9	7282.7	7284.8	7278.6
7.5°	7340.3	7354.6	7362.9	7373.1	7399.9	7387.5	7379.3	7354.6	7344.4	7327.9
10°	7362.9	7379.3	7406.0	7459.5	7521.1	7523.2	7498.5	7436.9	7389.6	7352.6
12.5°	7293.0	7315.6	7371.1	7480.0	7617.8	7673.3	7634.2	7531.4	7438.9	7373.1
15°	7204.6	7229.3	7313.5	7478.0	7681.5	7811.0	7806.9	7671.2	7523.2	7420.4
17.5°	7066.9	7091.5	7212.8	7443.0	7730.8	7944.6	8002.1	7862.4	7654.8	7517.0
20°	6818.2	6840.8	7009.3	7332.0	7747.3	8086.4	8236.5	8113.1	7854.1	7667.1
22.5°	6495.4	6530.4	6727.7	7140.9	7708.2	8234.4	8503.7	8419.4	8086.4	7827.4
25°	6150.1	6187.1	6417.3	6906.5	7607.5	8341.3	8820.2	8766.8	8349.5	8026.8
27.5°	5852.1	5891.1	6141.9	6674.3	7451.3	8382.4	9132.7	9159.4	8668.1	8246.7
30°	5617.7	5654.7	5922.0	6487.2	7249.8	8341.3	9406.1	9591.1	8992.9	8437.9
32.5°	5360.8	5408.1	5689.7	6259.1	7011.4	8242.6	9644.5	10057.7	9369.1	8643.5
35°	5036.0	5079.2	5375.2	5946.6	6698.9	8084.4	9843.9	10575.6	9907.6	8955.9
37.5°	4641.4	4682.5	4976.4	5556.1	6388.6	7862.4	9996.0	11159.4	10548.9	9406.1
40°	4244.6	4283.7	4559.1	5120.3	6016.5	7578.7	10049.4	11730.8	11284.8	10024.8
42.5°	3880.8	3915.8	4168.6	4690.7	5599.2	7216.9	9979.5	12228.3	11944.6	10456.4
45°	3545.8	3576.6	3800.7	4287.8	5165.5	6777.0	9769.9	12762.7	12729.8	10764.8
47.5°	3163.4	3194.3	3426.6	3897.3	4731.8	6261.1	9414.3	13288.9	13821.3	11463.6
50°	2696.8	2723.6	2962.0	3447.1	4281.6	5712.3	8921.0	13702.1	15198.5	12522.2
52.5°	2143.9	2172.7	2405.0	2890.1	3747.2	5122.4	8271.4	13971.4	16789.5	14068.0
55°	1595.1	1615.6	1817.1	2252.8	3085.3	4450.2	7457.4	14047.4	18594.2	16181.0
57.5°	1157.3	1169.6	1299.1	1623.9	2339.2	3609.5	6468.7	13850.1	20742.2	18890.2
60°	937.3	941.4	980.5	1124.4	1625.9	2659.8	5274.5	13171.8	23073.2	22382.5
62.5°	851.0	851.0	861.3	900.3	1099.7	1755.4	3829.4	11765.8	25572.7	26795.7
65°	791.4	791.4	795.5	814.0	867.4	1118.2	2417.3	9475.9	27679.6	31965.4
67.5°	737.9	740.0	737.9	744.1	774.9	826.3	1401.9	6544.8	28814.3	37322.1
70°	682.4	686.5	676.3	676.3	700.9	703.0	877.7	3588.9	27872.8	41811.3
72.5°	616.7	622.8	606.4	602.3	620.8	612.5	659.8	1722.5	23930.4	43151.5
75°	559.1	567.3	530.3	520.0	520.0	513.9	536.5	883.9	15531.5	35200.8
77.5°	507.7	524.2	464.5	431.7	423.4	404.9	437.8	540.6	6793.5	16526.4
80°	419.3	441.9	382.3	343.3	328.9	308.3	345.3	378.2	2020.6	3837.7
82.5°	312.4	322.7	271.3	244.6	232.3	217.9	259.0	263.1	657.8	1358.7
85°	199.4	203.5	166.5	143.9	137.7	131.6	164.4	143.9	250.8	999.0
87.5°	69.9	80.2	63.7	57.6	61.7	51.4	76.1	43.2	69.9	705.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7227.2
7231.3
7278.6
7327.9
7346.4
7362.9
7404.0
7494.4
7632.1
7780.1
7961.0
8176.9
8337.2
8516.0
8814.1
9216.9
9823.3
10197.4
10415.3
11060.7
12016.6
13445.2
15402.0
17909.7
21147.2
25141.1
29872.9
35063.0
41217.3
44713.7
37650.9
16183.1
3675.3
1535.5
1451.2
873.6
0.0

OF REPORT)