

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: P849704

Luminaire Tested: **GLAN-SB6D-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849704
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-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54289 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

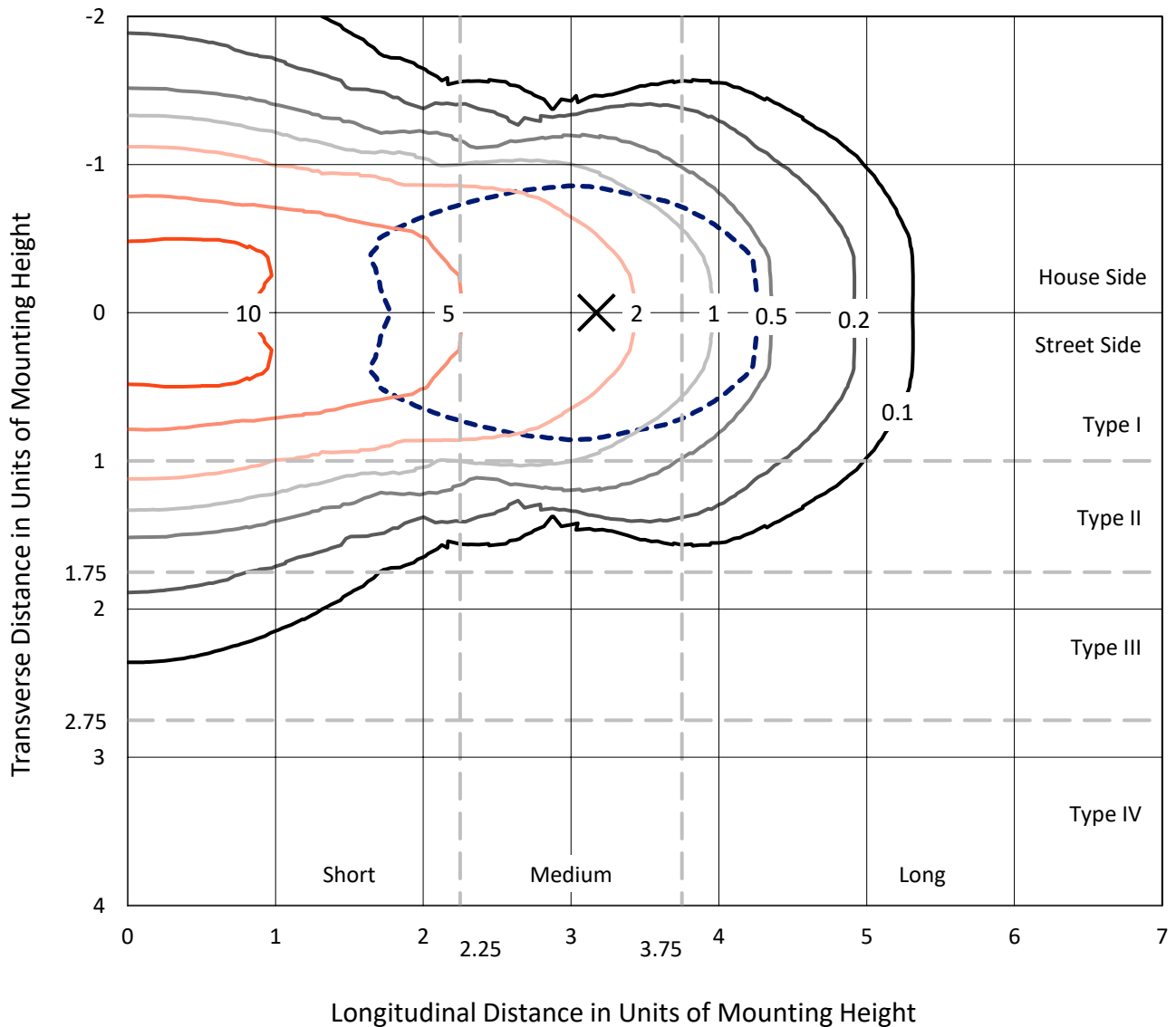
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

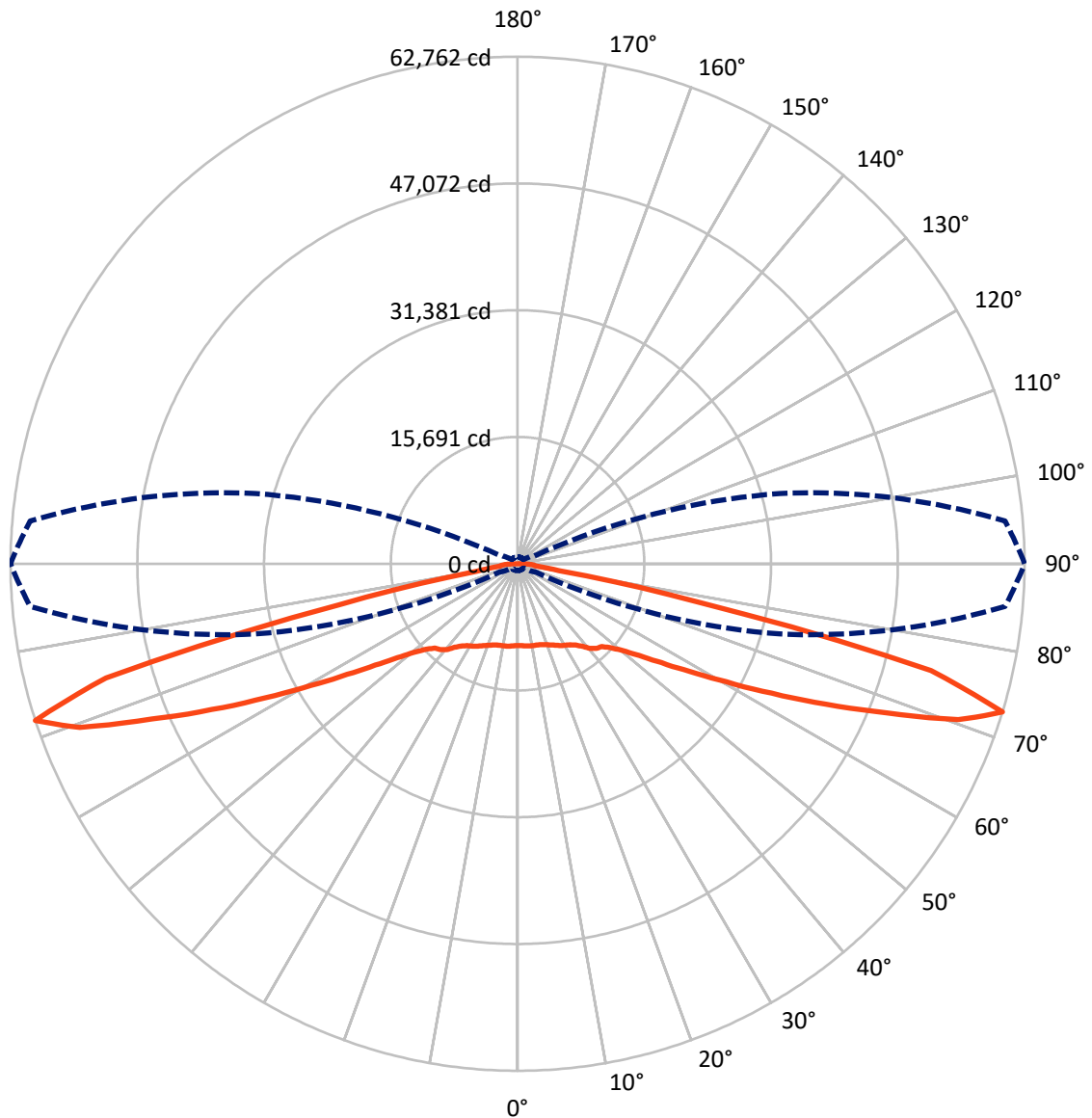
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 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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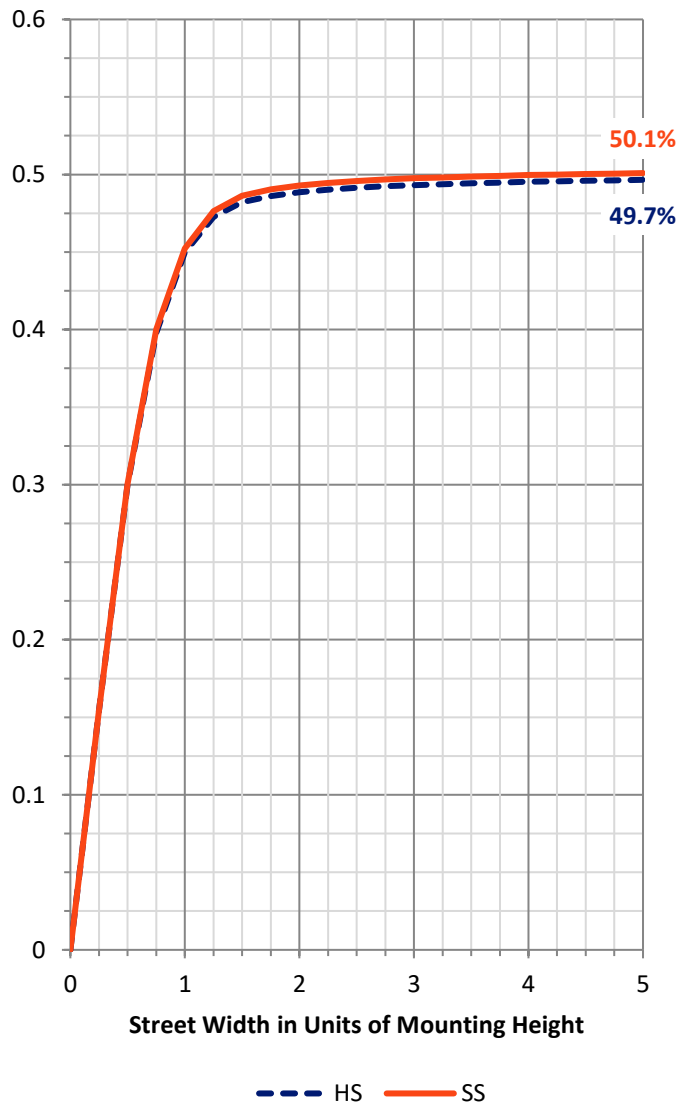
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27144.5	0.0	27144.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27144.5	0.0	27144.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54289.0	0.0	54289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	983.6	1.8
10°-20°	3007.5	5.5
20°-30°	5014.8	9.2
30°-40°	6896.9	12.7
40°-50°	8423.0	15.5
50°-60°	9742.1	17.9
60°-70°	11615.9	21.4
70°-80°	8107.1	14.9
80°-90°	497.9	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°	54289.0	100.0
0°-180°	54289.0	100.0

Coefficient of Utilization



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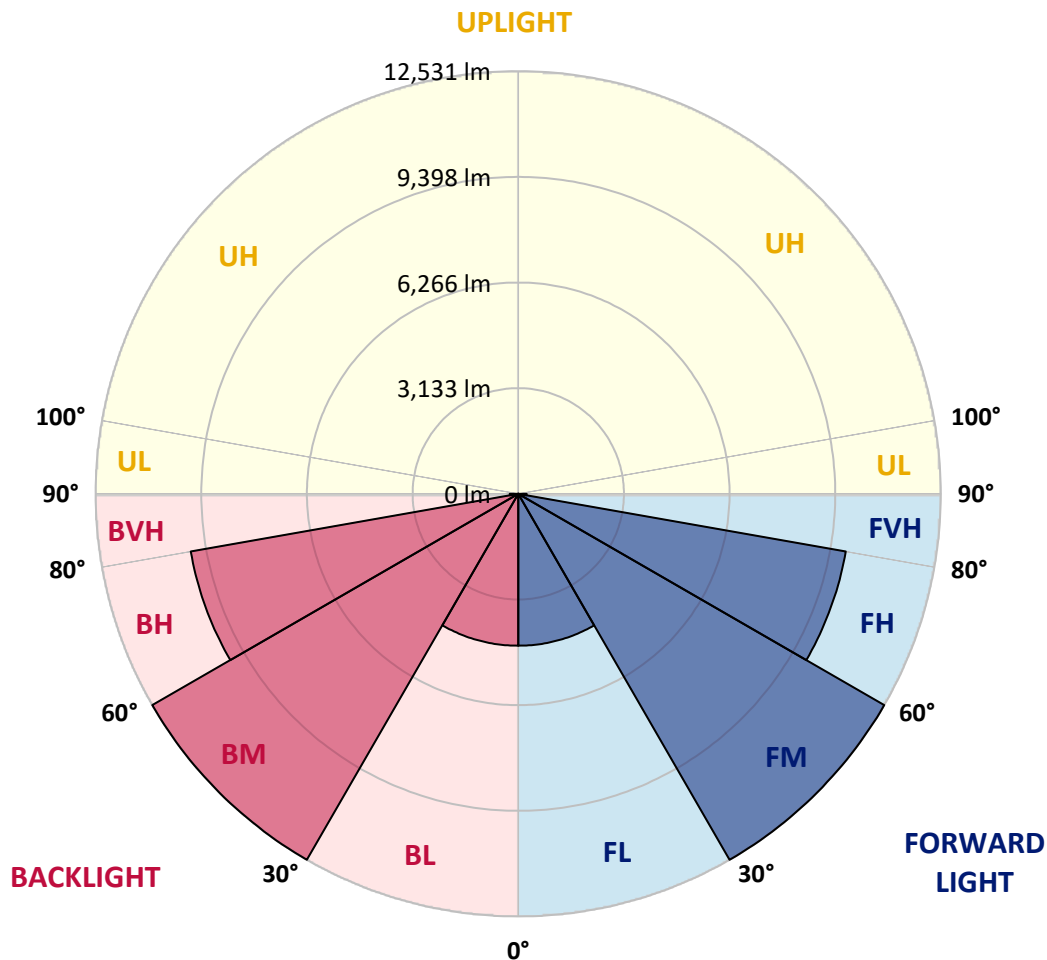
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4503.0	8.3			
FM (30°-60°)	12531.0	23.1			
FH (60°-80°)	9861.5	18.2			G4/12000
FVH (80°-90°)	249.0	0.5			G3/500
BL (0°-30°)	4503.0	8.3	B4/5000		
BM (30°-60°)	12531.0	23.1	B5		
BH (60°-80°)	9861.5	18.2	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10144.5	10144.5	10144.5	10144.5	10144.5	10144.5	10144.5	10144.5	10144.5	10144.5
2.5°	10153.1	10164.7	10164.7	10156.0	10176.2	10158.9	10158.9	10150.2	10158.9	10150.2
5°	10205.1	10219.5	10225.3	10222.4	10248.3	10233.9	10233.9	10222.4	10225.3	10216.6
7.5°	10303.2	10323.4	10334.9	10349.3	10386.8	10369.5	10358.0	10323.4	10308.9	10285.8
10°	10334.9	10358.0	10395.5	10470.5	10557.1	10559.9	10525.3	10438.8	10372.4	10320.5
12.5°	10236.8	10268.5	10346.4	10499.4	10692.7	10770.6	10715.7	10571.5	10441.7	10349.3
15°	10112.7	10147.4	10265.7	10496.5	10782.1	10963.9	10958.1	10767.7	10559.9	10415.7
17.5°	9919.4	9954.0	10124.3	10447.4	10851.4	11151.4	11232.2	11036.0	10744.6	10551.3
20°	9570.3	9602.0	9838.6	10291.6	10874.4	11350.5	11561.1	11388.0	11024.5	10761.9
22.5°	9117.3	9166.4	9443.4	10023.3	10819.6	11558.2	11936.2	11817.9	11350.5	10987.0
25°	8632.6	8684.5	9007.7	9694.4	10678.2	11708.3	12380.5	12305.5	11719.8	11266.8
27.5°	8214.3	8269.1	8621.1	9368.3	10459.0	11766.0	12819.1	12856.6	12167.0	11575.5
30°	7885.3	7937.3	8312.4	9105.8	10176.2	11708.3	13202.8	13462.5	12622.9	11843.9
32.5°	7524.7	7591.0	7986.3	8785.5	9841.5	11569.8	13537.5	14117.4	13150.9	12132.4
35°	7068.8	7129.4	7544.9	8347.0	9403.0	11347.6	13817.4	14844.5	13906.8	12571.0
37.5°	6514.9	6572.6	6985.1	7798.8	8967.3	11036.0	14030.9	15663.9	14807.0	13202.8
40°	5958.0	6012.8	6399.4	7187.1	8445.1	10637.8	14105.9	16466.0	15839.9	14071.3
42.5°	5447.3	5496.4	5851.2	6584.1	7859.4	10130.0	14007.8	17164.2	16766.1	14677.2
45°	4977.0	5020.3	5334.8	6018.6	7250.6	9512.6	13713.5	17914.4	17868.2	15110.0
47.5°	4440.4	4483.6	4809.7	5470.4	6641.8	8788.4	13214.4	18653.0	19400.3	16090.9
50°	3785.4	3822.9	4157.6	4838.5	6009.9	8018.1	12521.9	19233.0	21333.4	17576.8
52.5°	3009.3	3049.7	3375.7	4056.6	5259.8	7190.0	11610.2	19610.9	23566.6	19746.5
55°	2238.9	2267.8	2550.5	3162.2	4330.7	6246.5	10467.6	19717.7	26099.8	22712.5
57.5°	1624.4	1641.7	1823.5	2279.3	3283.4	5066.5	9079.8	19440.7	29114.9	26515.3
60°	1315.7	1321.4	1376.3	1578.2	2282.2	3733.5	7403.5	18488.6	32386.7	31417.3
62.5°	1194.5	1194.5	1208.9	1263.7	1543.6	2464.0	5375.2	16515.1	35895.2	37611.9
65°	1110.8	1110.8	1116.6	1142.6	1217.6	1569.6	3393.0	13300.9	38852.5	44868.2
67.5°	1035.8	1038.7	1035.8	1044.5	1087.7	1159.9	1967.7	9186.6	40445.2	52387.1
70°	957.9	963.7	949.2	949.2	983.9	986.7	1232.0	5037.6	39123.7	58688.5
72.5°	865.6	874.2	851.1	845.4	871.3	859.8	926.2	2417.8	33589.9	60569.7
75°	784.8	796.3	744.4	730.0	730.0	721.3	753.0	1240.6	21800.8	49409.6
77.5°	712.7	735.7	652.1	605.9	594.4	568.4	614.6	758.8	9535.7	23197.3
80°	588.6	620.3	536.7	481.8	461.6	432.8	484.7	530.9	2836.2	5386.7
82.5°	438.6	453.0	380.9	343.3	326.0	305.8	363.5	369.3	923.3	1907.1
85°	279.9	285.6	233.7	202.0	193.3	184.7	230.8	202.0	352.0	1402.2
87.5°	98.1	112.5	89.4	80.8	86.6	72.1	106.8	60.6	98.1	989.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10144.5
10150.2
10216.6
10285.8
10311.8
10334.9
10392.6
10519.6
10712.9
10920.6
11174.5
11477.4
11702.5
11953.5
12371.9
12937.4
13788.5
14313.6
14619.5
15525.4
16867.1
18872.3
21619.0
25139.0
29683.3
35289.3
41931.1
49216.3
57854.7
62762.4
52848.8
22715.4
5158.8
2155.3
2037.0
1226.2
0.0

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