

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: P849711

Luminaire Tested: **GLAN-SB6D-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53595 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

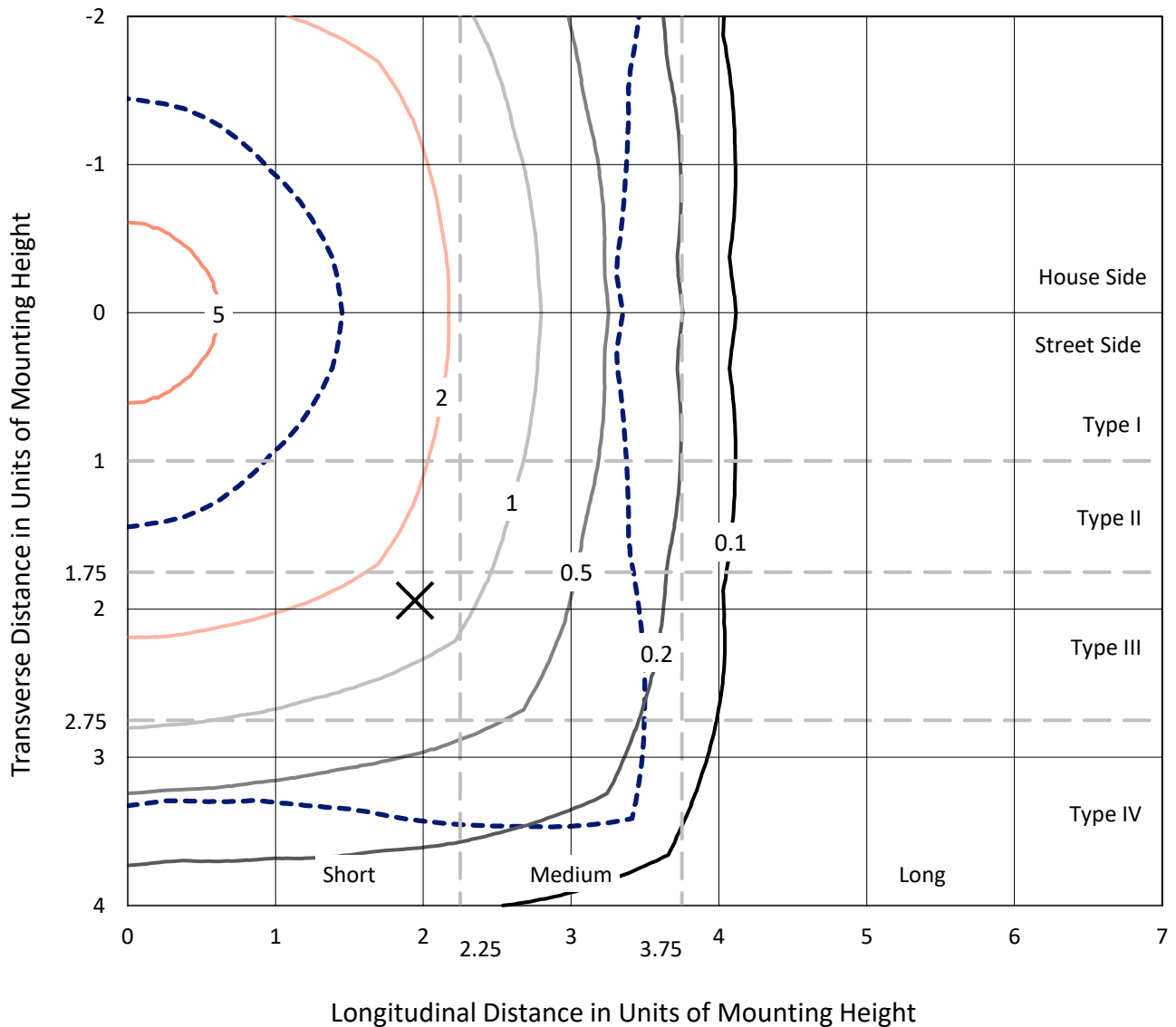
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849711
 CATALOG NUMBER: GLAN-SB6D-850-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

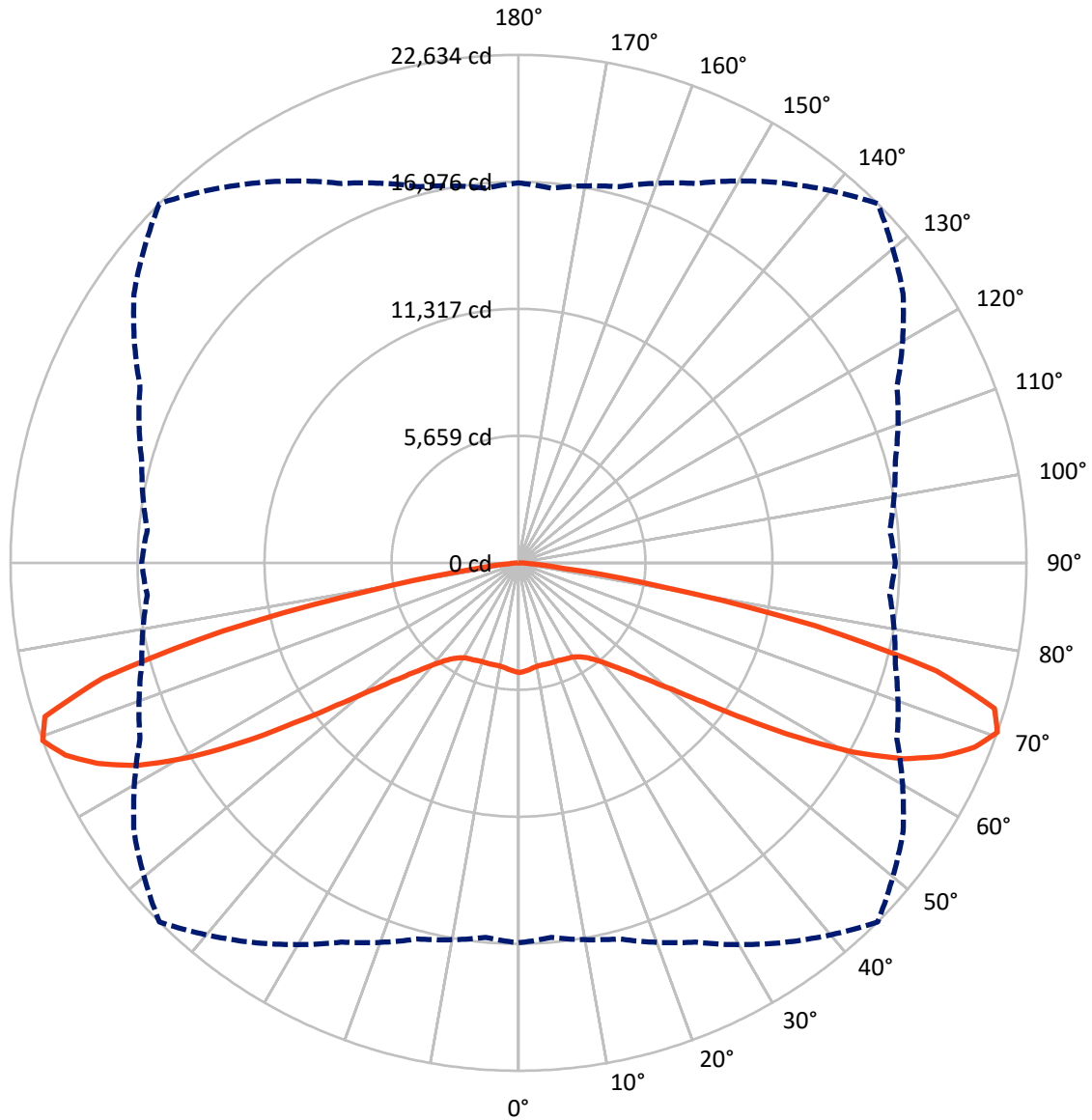
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P849711
CATALOG NUMBER: GLAN-SB6D-850-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P849711
 CATALOG NUMBER: GLAN-SB6D-850-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26797.5	0.0	26797.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26797.5	0.0	26797.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	53595.0	0.0	53595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.8	0.8
10°-20°	1335.4	2.5
20°-30°	2222.2	4.1
30°-40°	3360.7	6.3
40°-50°	5584.7	10.4
50°-60°	10538.1	19.7
60°-70°	17794.0	33.2
70°-80°	11692.5	21.8
80°-90°	612.6	1.1
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°	53595.0	100.0
0°-180°	53595.0	100.0

Coefficient of Utilization



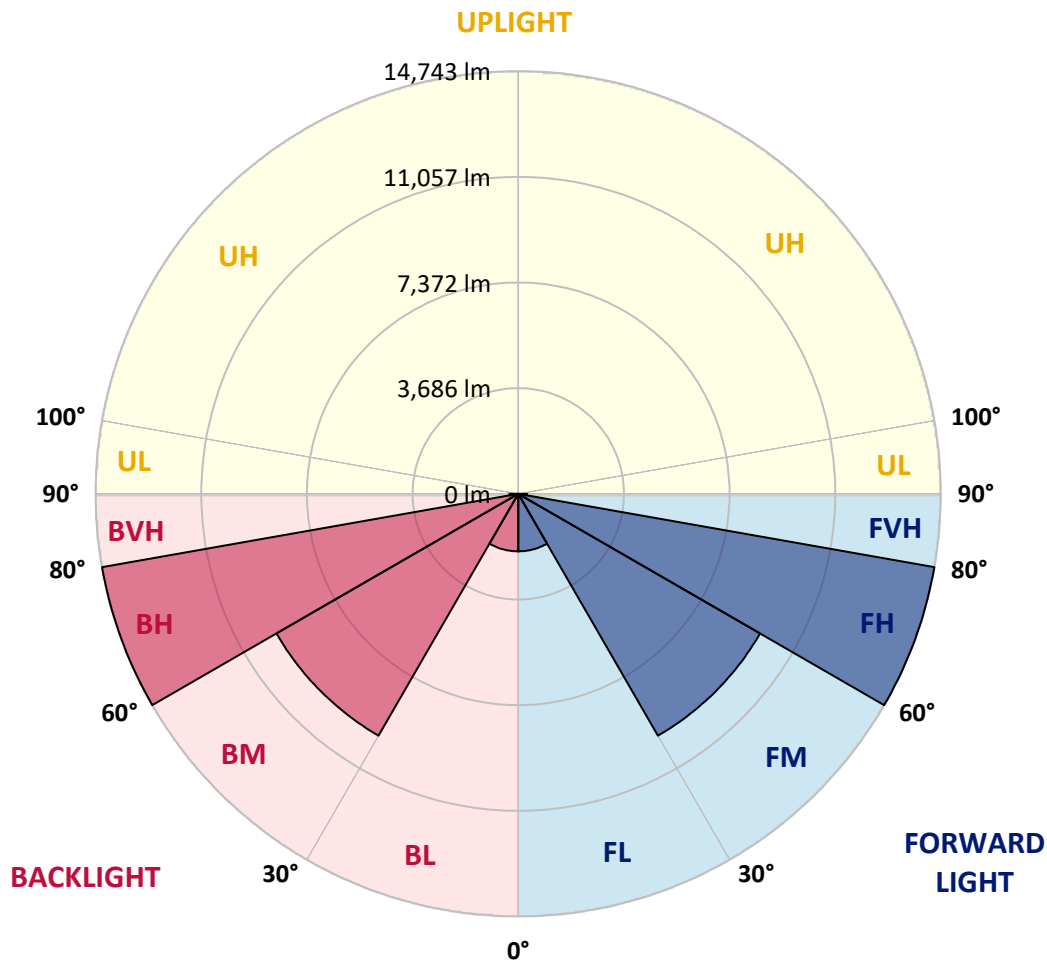
REPORT NUMBER: P849711
 CATALOG NUMBER: GLAN-SB6D-850-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2006.2	3.7			
FM (30°-60°)	9741.8	18.2			
FH (60°-80°)	14743.3	27.5			G5
FVH (80°-90°)	306.3	0.6			G3/500
BL (0°-30°)	2006.2	3.7	B3/2500		
BM (30°-60°)	9741.8	18.2	B5		
BH (60°-80°)	14743.3	27.5	B5		G5
BVH (80°-90°)	306.3	0.6			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 V Short



REPORT NUMBER: P849711
 CATALOG NUMBER: GLAN-SB6D-850-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4888.9	4888.9	4888.9	4888.9	4888.9	4888.9	4888.9	4888.9	4888.9	4888.9
2.5°	4858.3	4872.2	4866.7	4855.5	4855.5	4847.2	4855.5	4861.1	4869.4	4875.0
5°	4794.2	4805.4	4802.6	4794.2	4797.0	4788.7	4794.2	4802.6	4808.2	4810.9
7.5°	4738.5	4749.7	4744.1	4730.2	4730.2	4721.8	4724.6	4732.9	4741.3	4744.1
10°	4724.6	4735.7	4719.0	4696.7	4688.4	4677.2	4680.0	4688.4	4705.1	4713.4
12.5°	4730.2	4738.5	4721.8	4688.4	4680.0	4668.9	4668.9	4677.2	4699.5	4710.7
15°	4746.9	4755.2	4730.2	4693.9	4685.6	4677.2	4674.4	4685.6	4710.7	4730.2
17.5°	4777.5	4785.9	4746.9	4696.7	4685.6	4688.4	4685.6	4693.9	4732.9	4769.2
20°	4805.4	4810.9	4758.0	4696.7	4685.6	4688.4	4685.6	4702.3	4752.4	4802.6
22.5°	4813.7	4819.3	4769.2	4716.2	4707.9	4710.7	4707.9	4724.6	4771.9	4822.1
25°	4816.5	4824.9	4785.9	4744.1	4758.0	4763.6	4758.0	4760.8	4797.0	4841.6
27.5°	4858.3	4869.4	4833.2	4797.0	4805.4	4802.6	4810.9	4819.3	4847.2	4891.7
30°	4944.7	4953.0	4922.4	4886.2	4880.6	4861.1	4886.2	4914.0	4944.7	4983.7
32.5°	5086.7	5103.4	5064.4	5025.4	5000.4	4989.2	5008.7	5056.1	5097.9	5139.7
35°	5323.5	5334.7	5298.4	5226.0	5181.4	5181.4	5198.2	5259.4	5326.3	5379.2
37.5°	5657.8	5671.7	5607.7	5521.3	5454.4	5454.4	5476.7	5540.8	5641.1	5716.3
40°	6064.5	6084.0	6003.2	5914.1	5850.0	5838.9	5866.7	5939.2	6033.9	6128.6
42.5°	6554.8	6577.1	6471.2	6393.2	6343.1	6343.1	6357.0	6423.9	6510.2	6627.2
45°	7181.6	7220.6	7075.7	6997.7	6950.4	6961.5	6969.9	7028.4	7106.4	7240.1
47.5°	7928.2	7967.2	7814.0	7733.2	7724.8	7777.7	7744.3	7786.1	7827.9	7981.1
50°	8775.0	8841.9	8736.0	8730.5	8747.2	8844.7	8766.7	8789.0	8741.6	8839.1
52.5°	9811.3	9908.8	9889.3	9922.7	10109.4	10310.0	10131.7	10053.7	9875.4	9906.0
55°	11067.7	11215.3	11243.2	11443.7	11867.2	12276.7	11897.8	11583.0	11204.2	11134.5
57.5°	12496.8	12613.8	12747.5	13157.0	13948.1	14675.2	13948.1	13251.7	12655.5	12513.5
60°	14034.5	14179.3	14307.5	14912.0	16087.5	17109.9	16065.3	14959.3	14171.0	13978.8
62.5°	15686.4	15873.0	15962.2	16633.5	18004.1	19224.3	18023.6	16683.7	15809.0	15602.8
65°	17271.5	17424.7	17525.0	18240.9	19550.2	20773.1	19639.3	18318.9	17419.1	17148.9
67.5°	18009.7	18093.3	18338.4	19149.1	20530.8	21926.4	20764.8	19235.4	18229.8	17756.2
70°	16928.8	16758.9	17349.5	18647.6	20647.8	22634.0	20915.2	18608.6	17377.3	16608.5
72.5°	13081.8	12789.3	13814.4	16034.6	19310.6	22182.7	19444.3	16160.0	14452.3	12892.3
75°	7117.5	6786.0	8201.2	11009.2	15399.5	19227.1	15753.3	11324.0	9131.6	7064.6
77.5°	2008.5	1883.1	3025.3	5326.3	9262.5	13499.6	9619.1	5443.3	3588.0	2128.3
80°	615.6	596.1	807.9	1604.6	3933.4	6465.7	3780.2	1624.1	1027.9	649.1
82.5°	364.9	334.3	401.1	585.0	1002.9	2030.8	975.0	610.1	490.3	328.7
85°	208.9	195.0	236.8	284.1	337.1	431.8	281.4	289.7	261.9	175.5
87.5°	86.4	78.0	91.9	89.1	78.0	100.3	75.2	89.1	105.9	69.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4888.9
4872.2
4810.9
4744.1
4713.4
4713.4
4732.9
4769.2
4805.4
4822.1
4838.8
4880.6
4975.3
5122.9
5359.7
5688.4
6097.9
6618.9
7234.5
7936.5
8780.6
9803.0
11025.9
12413.2
13811.6
15435.7
17015.2
17761.8
16792.3
13279.5
7524.2
2365.1
685.3
356.6
183.9
64.1
0.0

OF REPORT)