

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: P847654

Luminaire Tested: **GLAN-SB3D-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847654
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-SB3D-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25008 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

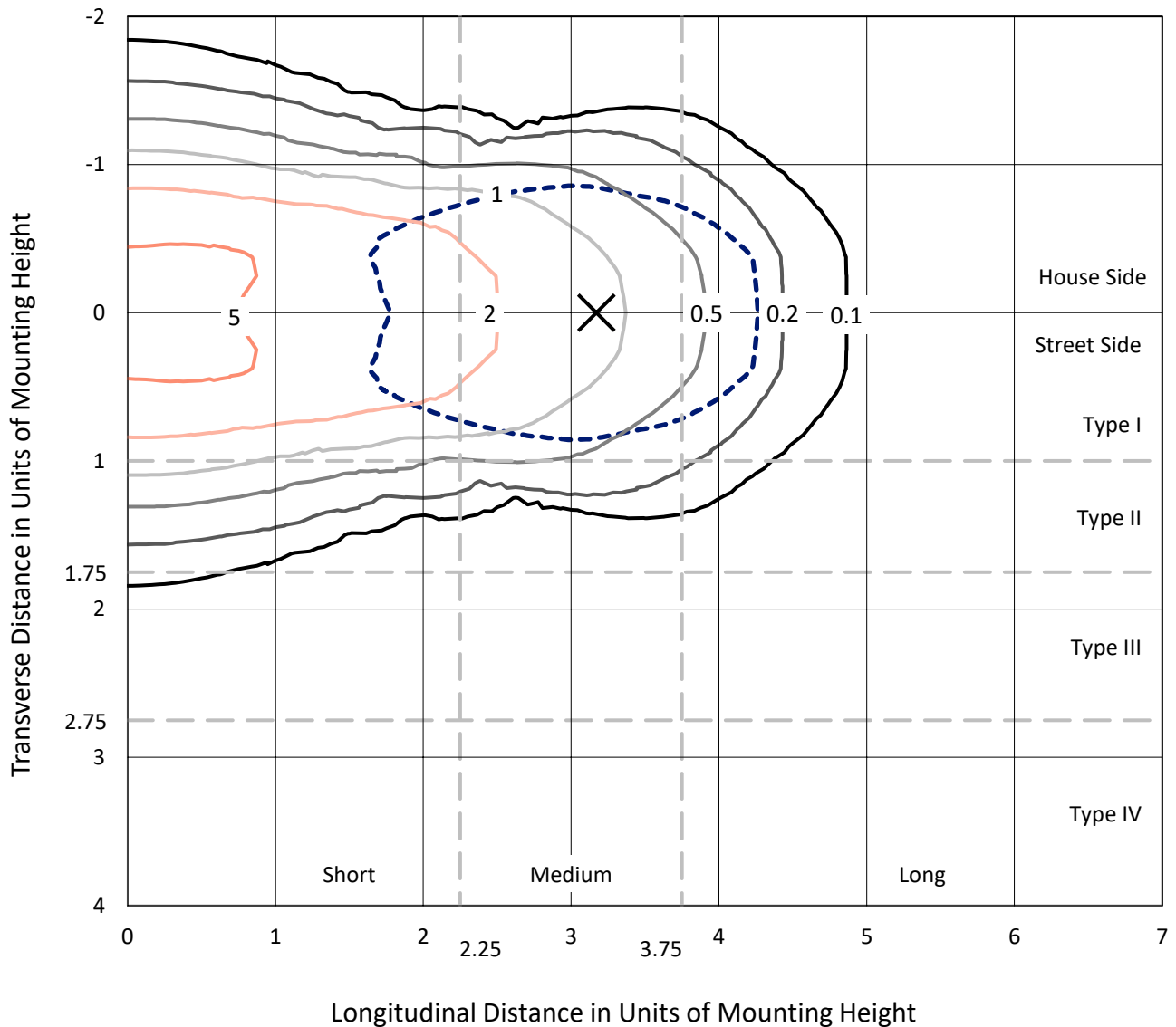
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

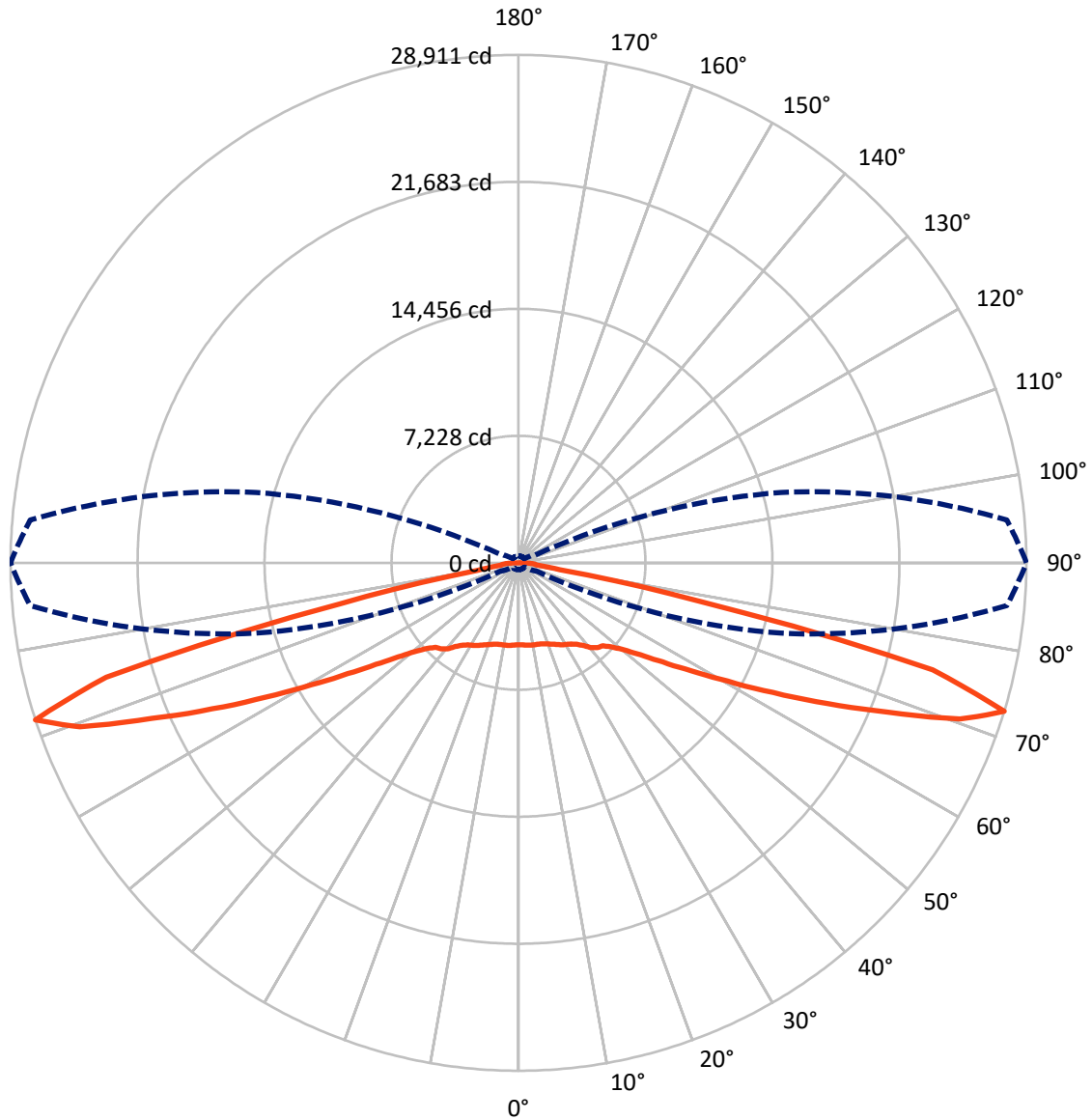
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	12504.0	0.0	12504.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12504.0	0.0	12504.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25008.0	0.0	25008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.1	1.8
10°-20°	1385.4	5.5
20°-30°	2310.1	9.2
30°-40°	3177.0	12.7
40°-50°	3880.0	15.5
50°-60°	4487.7	17.9
60°-70°	5350.8	21.4
70°-80°	3734.5	14.9
80°-90°	229.4	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°	25008.0	100.0
0°-180°	25008.0	100.0

Coefficient of Utilization



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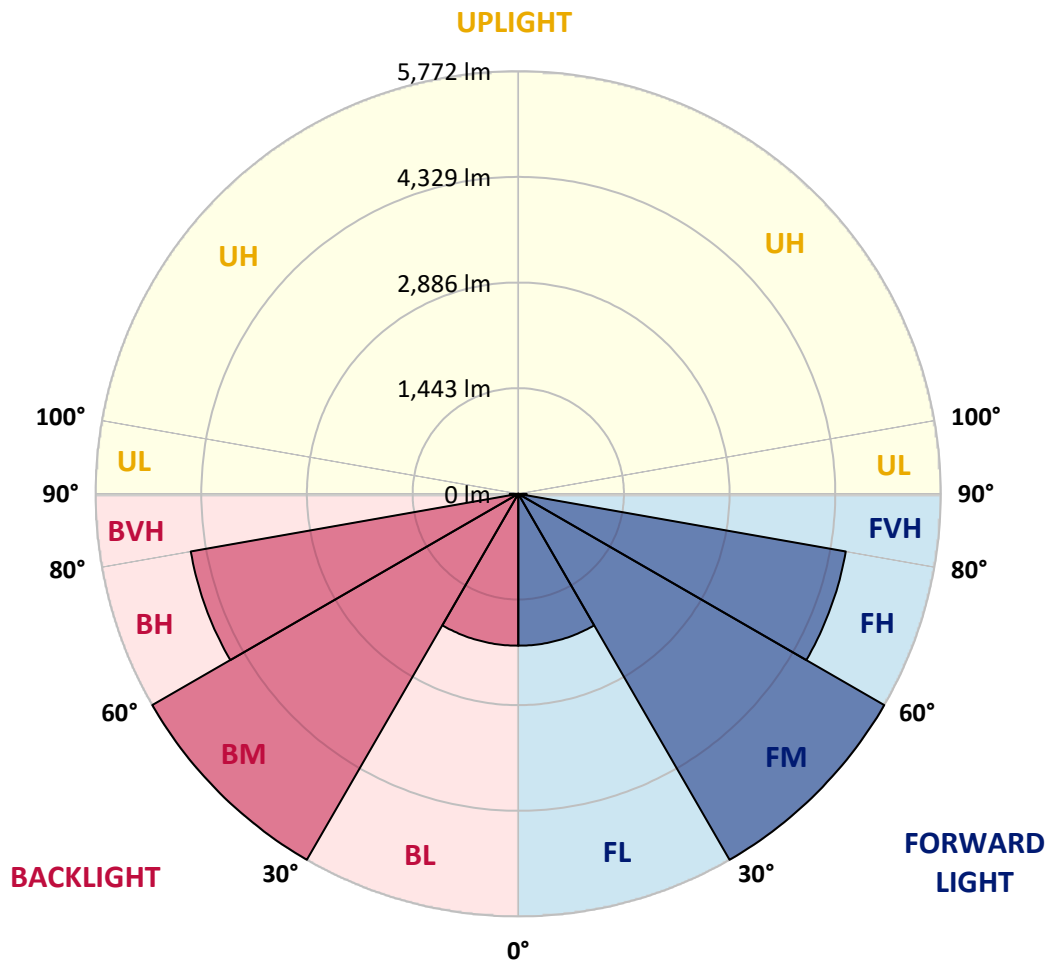
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2074.3	8.3			
FM (30°-60°)	5772.4	23.1			
FH (60°-80°)	4542.7	18.2			G2/5000
FVH (80°-90°)	114.7	0.5			G2/225
BL (0°-30°)	2074.3	8.3	B3/2500		
BM (30°-60°)	5772.4	23.1	B4/8500		
BH (60°-80°)	4542.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	114.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0	4673.0
2.5°	4677.0	4682.3	4682.3	4678.3	4687.6	4679.7	4679.7	4675.7	4679.7	4675.7
5°	4700.9	4707.6	4710.2	4708.9	4720.9	4714.2	4714.2	4708.9	4710.2	4706.2
7.5°	4746.1	4755.4	4760.7	4767.4	4784.7	4776.7	4771.4	4755.4	4748.8	4738.1
10°	4760.7	4771.4	4788.6	4823.2	4863.1	4864.4	4848.4	4808.6	4778.0	4754.1
12.5°	4715.5	4730.2	4766.0	4836.5	4925.5	4961.4	4936.2	4869.7	4809.9	4767.4
15°	4658.4	4674.3	4728.8	4835.2	4966.7	5050.5	5047.8	4960.1	4864.4	4797.9
17.5°	4569.3	4585.3	4663.7	4812.6	4998.6	5136.9	5174.1	5083.7	4949.5	4860.4
20°	4408.5	4423.1	4532.1	4740.8	5009.3	5228.6	5325.6	5245.8	5078.4	4957.4
22.5°	4199.9	4222.5	4350.0	4617.2	4984.0	5324.3	5498.4	5443.9	5228.6	5061.1
25°	3976.6	4000.5	4149.4	4465.7	4918.9	5393.4	5703.0	5668.5	5398.7	5190.0
27.5°	3783.9	3809.1	3971.3	4315.5	4817.9	5419.9	5905.1	5922.3	5604.7	5332.2
30°	3632.3	3656.3	3829.0	4194.5	4687.6	5393.4	6081.8	6201.4	5814.7	5455.8
32.5°	3466.2	3496.8	3678.9	4047.0	4533.5	5329.6	6236.0	6503.1	6057.9	5588.7
35°	3256.2	3284.1	3475.5	3845.0	4331.4	5227.2	6364.9	6838.1	6406.1	5790.8
37.5°	3001.0	3027.6	3217.7	3592.5	4130.7	5083.7	6463.3	7215.5	6820.8	6081.8
40°	2744.5	2769.8	2947.9	3310.7	3890.2	4900.3	6497.8	7585.0	7296.6	6481.9
42.5°	2509.3	2531.9	2695.4	3032.9	3620.4	4666.4	6452.6	7906.6	7723.2	6761.0
45°	2292.6	2312.6	2457.4	2772.4	3340.0	4381.9	6317.1	8252.2	8230.9	6960.3
47.5°	2045.4	2065.4	2215.6	2519.9	3059.5	4048.3	6087.1	8592.4	8936.7	7412.2
50°	1743.7	1761.0	1915.2	2228.8	2768.5	3693.5	5768.2	8859.6	9827.1	8096.7
52.5°	1386.2	1404.8	1555.0	1868.7	2422.9	3312.0	5348.2	9033.7	10855.8	9096.2
55°	1031.4	1044.6	1174.9	1456.7	1994.9	2877.4	4821.9	9082.9	12022.8	10462.4
57.5°	748.3	756.2	840.0	1050.0	1512.5	2333.8	4182.6	8955.3	13411.6	12214.1
60°	606.1	608.7	634.0	727.0	1051.3	1719.8	3410.4	8516.7	14918.8	14472.2
62.5°	550.2	550.2	556.9	582.1	711.1	1135.0	2476.1	7607.6	16535.0	17325.8
65°	511.7	511.7	514.3	526.3	560.9	723.0	1563.0	6127.0	17897.3	20668.4
67.5°	477.1	478.5	477.1	481.1	501.1	534.3	906.4	4231.8	18630.9	24131.9
70°	441.3	443.9	437.3	437.3	453.2	454.5	567.5	2320.6	18022.2	27034.6
72.5°	398.7	402.7	392.1	389.4	401.4	396.1	426.6	1113.8	15473.0	27901.2
75°	361.5	366.8	342.9	336.3	336.3	332.3	346.9	571.5	10042.5	22760.3
77.5°	328.3	338.9	300.4	279.1	273.8	261.8	283.1	349.5	4392.6	10685.7
80°	271.1	285.7	247.2	222.0	212.7	199.4	223.3	244.5	1306.5	2481.4
82.5°	202.0	208.7	175.4	158.2	150.2	140.9	167.5	170.1	425.3	878.5
85°	128.9	131.6	107.7	93.0	89.0	85.1	106.3	93.0	162.1	645.9
87.5°	45.2	51.8	41.2	37.2	39.9	33.2	49.2	27.9	45.2	455.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4673.0
4675.7
4706.2
4738.1
4750.1
4760.7
4787.3
4845.8
4934.8
5030.5
5147.5
5287.0
5390.7
5506.3
5699.1
5959.5
6351.6
6593.5
6734.4
7151.7
7769.7
8693.4
9958.7
11580.2
13673.5
16255.9
19315.4
22671.3
26650.5
28911.3
24344.6
10463.8
2376.4
992.8
938.3
564.9
0.0

OF REPORT)