

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: P847664

Luminaire Tested: **GLAN-SB3D-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847664
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-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 26861 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

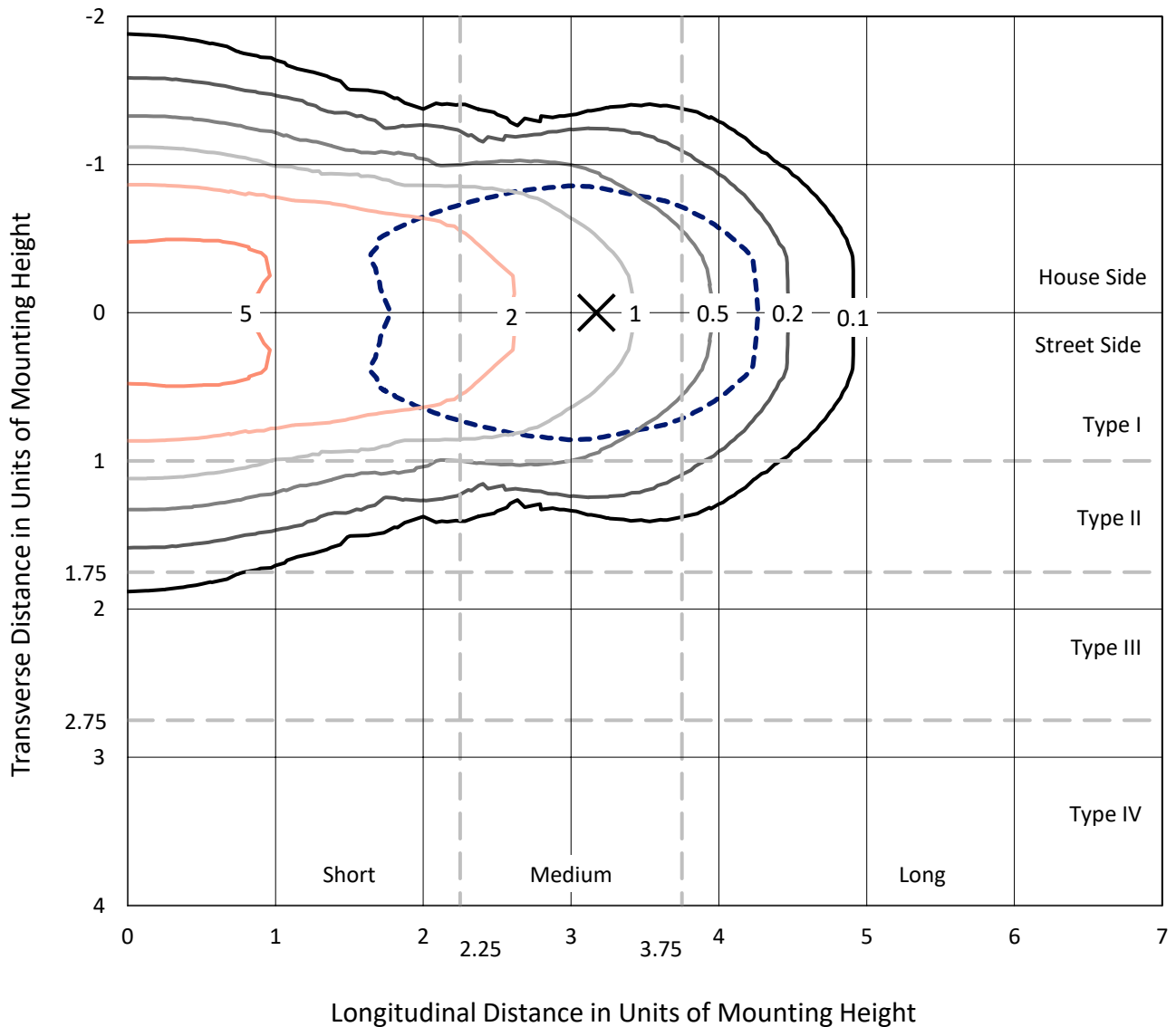
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

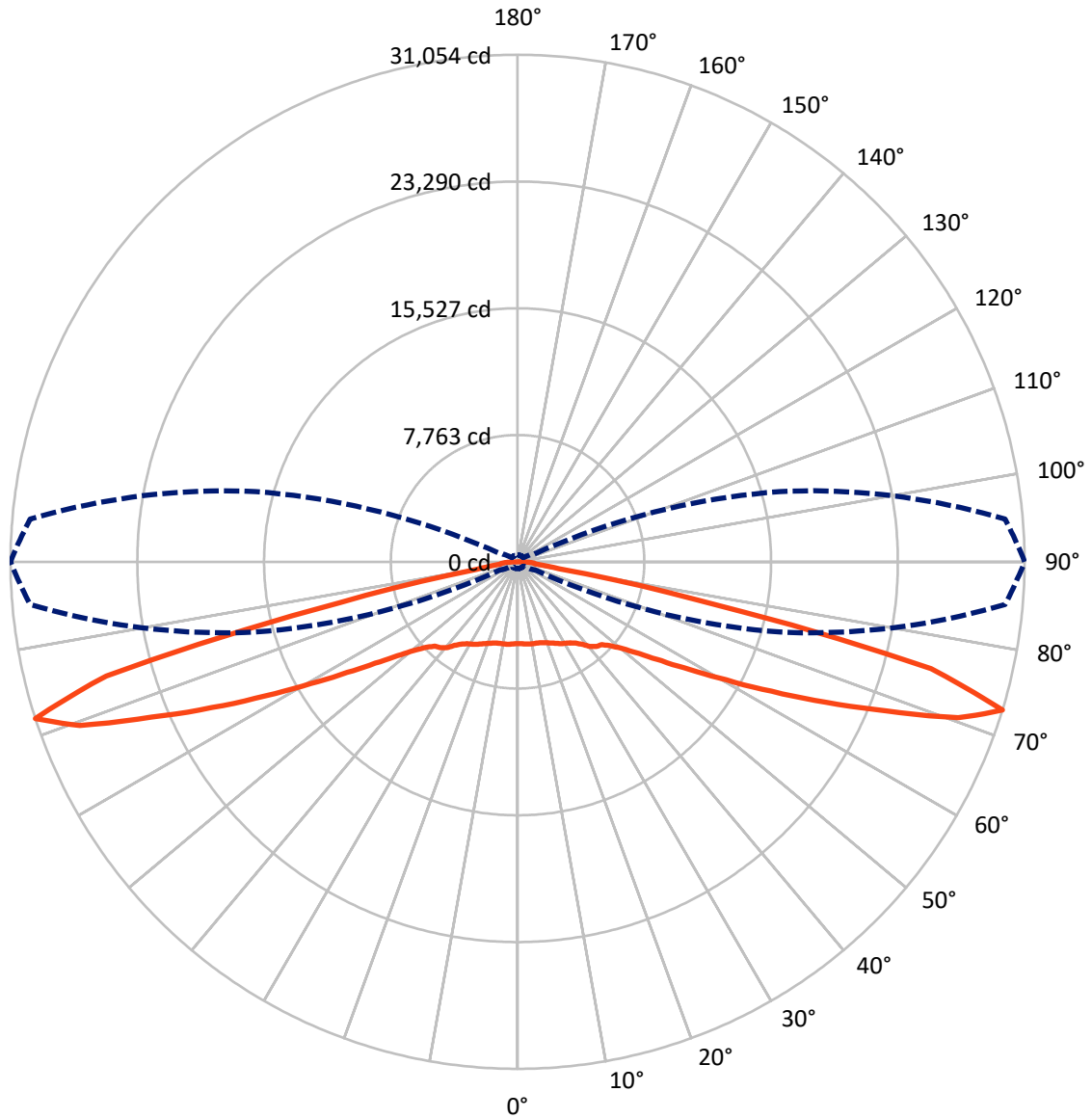
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	13430.5	0.0	13430.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13430.5	0.0	13430.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26861.0	0.0	26861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.7	1.8
10°-20°	1488.1	5.5
20°-30°	2481.2	9.2
30°-40°	3412.4	12.7
40°-50°	4167.5	15.5
50°-60°	4820.2	17.9
60°-70°	5747.3	21.4
70°-80°	4011.2	14.9
80°-90°	246.4	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°	26861.0	100.0
0°-180°	26861.0	100.0

Coefficient of Utilization



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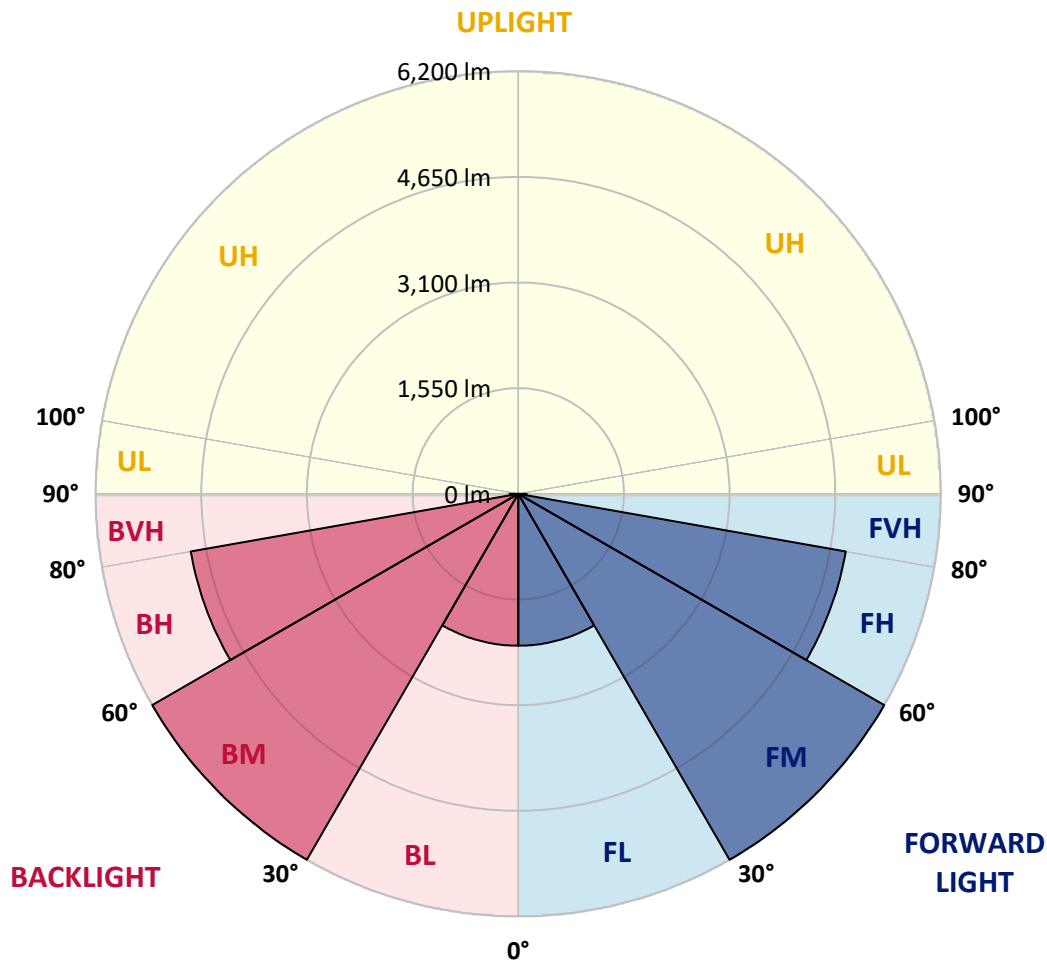
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2228.0	8.3			
FM (30°-60°)	6200.1	23.1			
FH (60°-80°)	4879.3	18.2			G2/5000
FVH (80°-90°)	123.2	0.5			G2/225
BL (0°-30°)	2228.0	8.3	B3/2500		
BM (30°-60°)	6200.1	23.1	B4/8500		
BH (60°-80°)	4879.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	123.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5019.3	5019.3	5019.3	5019.3	5019.3	5019.3	5019.3	5019.3	5019.3	5019.3
2.5°	5023.5	5029.3	5029.3	5025.0	5035.0	5026.4	5026.4	5022.1	5026.4	5022.1
5°	5049.2	5056.4	5059.2	5057.8	5070.7	5063.5	5063.5	5057.8	5059.2	5055.0
7.5°	5097.8	5107.8	5113.5	5120.6	5139.2	5130.6	5124.9	5107.8	5100.6	5089.2
10°	5113.5	5124.9	5143.5	5180.6	5223.4	5224.8	5207.7	5164.9	5132.0	5106.3
12.5°	5064.9	5080.6	5119.2	5194.8	5290.5	5329.0	5301.9	5230.5	5166.3	5120.6
15°	5003.6	5020.7	5079.2	5193.4	5334.7	5424.7	5421.8	5327.6	5224.8	5153.5
17.5°	4907.9	4925.0	5009.3	5169.2	5369.0	5517.5	5557.4	5460.4	5316.2	5220.5
20°	4735.2	4750.9	4867.9	5092.1	5380.4	5616.0	5720.2	5634.5	5454.7	5324.8
22.5°	4511.1	4535.3	4672.4	4959.3	5353.3	5718.8	5905.8	5847.2	5616.0	5436.1
25°	4271.2	4296.9	4456.8	4796.6	5283.4	5793.0	6125.6	6088.5	5798.7	5574.6
27.5°	4064.2	4091.4	4265.5	4635.3	5174.9	5821.5	6342.6	6361.2	6020.0	5727.3
30°	3901.5	3927.2	4112.8	4505.3	5035.0	5793.0	6532.5	6660.9	6245.5	5860.1
32.5°	3723.0	3755.9	3951.5	4346.9	4869.4	5724.5	6698.1	6985.0	6506.8	6002.8
35°	3497.5	3527.5	3733.0	4129.9	4652.4	5614.5	6836.5	7344.7	6880.8	6219.8
37.5°	3223.4	3252.0	3456.1	3858.7	4436.8	5460.4	6942.2	7750.2	7326.2	6532.5
40°	2947.9	2975.0	3166.3	3556.0	4178.4	5263.4	6979.3	8147.0	7837.2	6962.2
42.5°	2695.2	2719.5	2895.1	3257.7	3888.6	5012.1	6930.7	8492.5	8295.5	7261.9
45°	2462.5	2483.9	2639.5	2977.9	3587.4	4706.6	6785.1	8863.7	8840.8	7476.1
47.5°	2197.0	2218.4	2379.7	2706.6	3286.2	4348.3	6538.2	9229.1	9598.8	7961.4
50°	1872.9	1891.5	2057.1	2394.0	2973.6	3967.2	6195.6	9516.0	10555.3	8696.6
52.5°	1488.9	1508.9	1670.2	2007.1	2602.4	3557.5	5744.5	9703.0	11660.2	9770.1
55°	1107.8	1122.1	1262.0	1564.6	2142.8	3090.6	5179.1	9755.9	12913.6	11237.7
57.5°	803.7	812.3	902.2	1127.8	1624.6	2506.8	4492.5	9618.8	14405.4	13119.2
60°	651.0	653.8	680.9	780.9	1129.2	1847.2	3663.1	9147.7	16024.2	15544.6
62.5°	591.0	591.0	598.1	625.3	763.7	1219.1	2659.5	8171.3	17760.1	18609.5
65°	549.6	549.6	552.5	565.3	602.4	776.6	1678.8	6581.0	19223.4	22199.8
67.5°	512.5	513.9	512.5	516.8	538.2	573.9	973.6	4545.3	20011.4	25920.0
70°	473.9	476.8	469.7	469.7	486.8	488.2	609.6	2492.5	19357.6	29037.8
72.5°	428.3	432.5	421.1	418.3	431.1	425.4	458.2	1196.3	16619.5	29968.5
75°	388.3	394.0	368.3	361.2	361.2	356.9	372.6	613.8	10786.6	24446.8
77.5°	352.6	364.0	322.6	299.8	294.1	281.2	304.1	375.4	4718.0	11477.5
80°	291.2	306.9	265.5	238.4	228.4	214.1	239.8	262.7	1403.3	2665.2
82.5°	217.0	224.1	188.4	169.9	161.3	151.3	179.9	182.7	456.8	943.6
85°	138.5	141.3	115.6	99.9	95.6	91.4	114.2	99.9	174.2	693.8
87.5°	48.5	55.7	44.3	40.0	42.8	35.7	52.8	30.0	48.5	489.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5019.3
5022.1
5055.0
5089.2
5102.1
5113.5
5142.0
5204.8
5300.5
5403.3
5528.9
5678.8
5790.1
5914.3
6121.3
6401.1
6822.3
7082.1
7233.4
7681.6
8345.4
9337.6
10696.6
12438.2
14686.6
17460.3
20746.6
24351.1
28625.2
31053.5
26148.4
11239.1
2552.5
1066.4
1007.8
606.7
0.0

OF REPORT)