

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: P847594

Luminaire Tested: **GLAN-SB3D-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847594
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29639 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

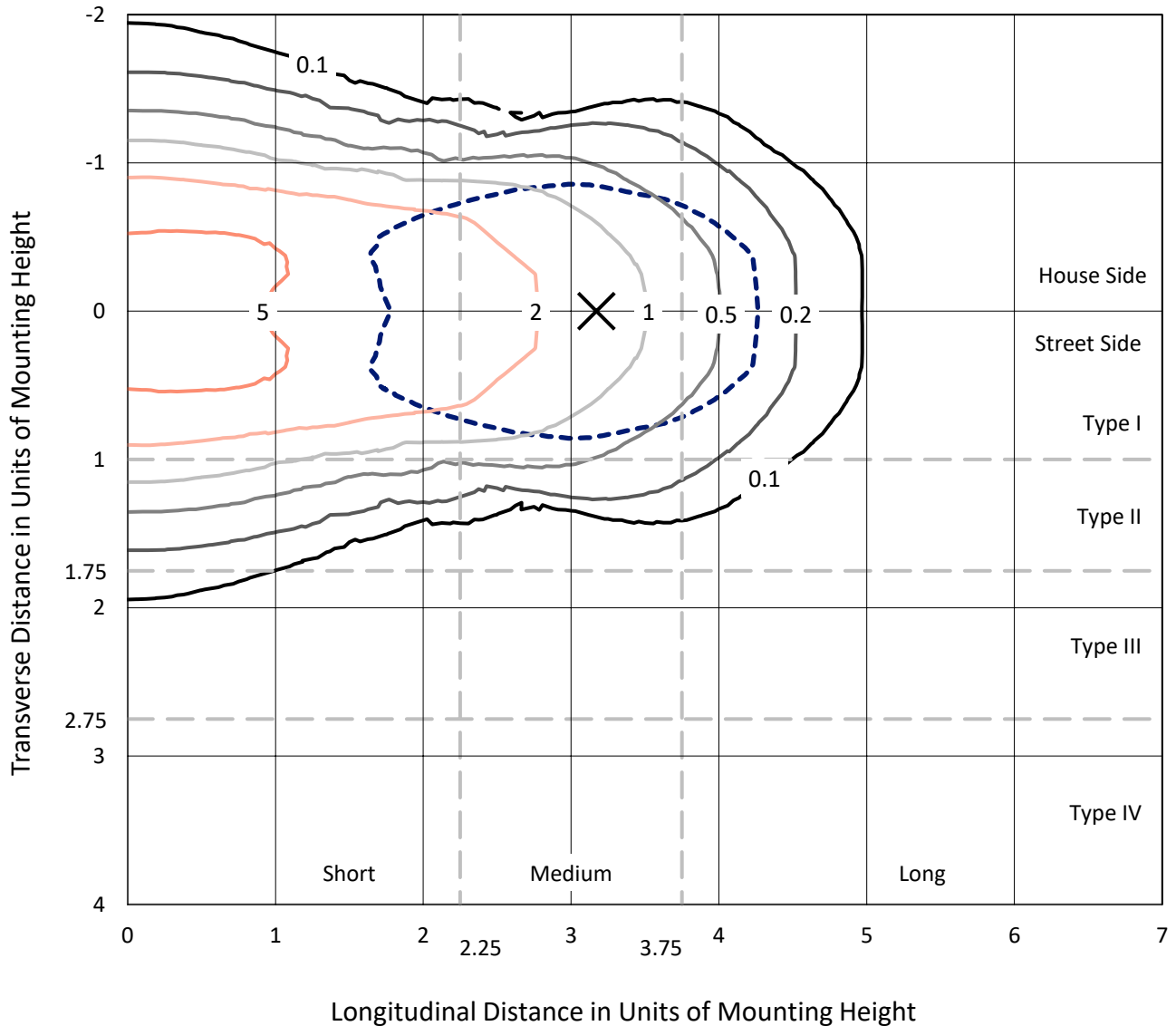
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

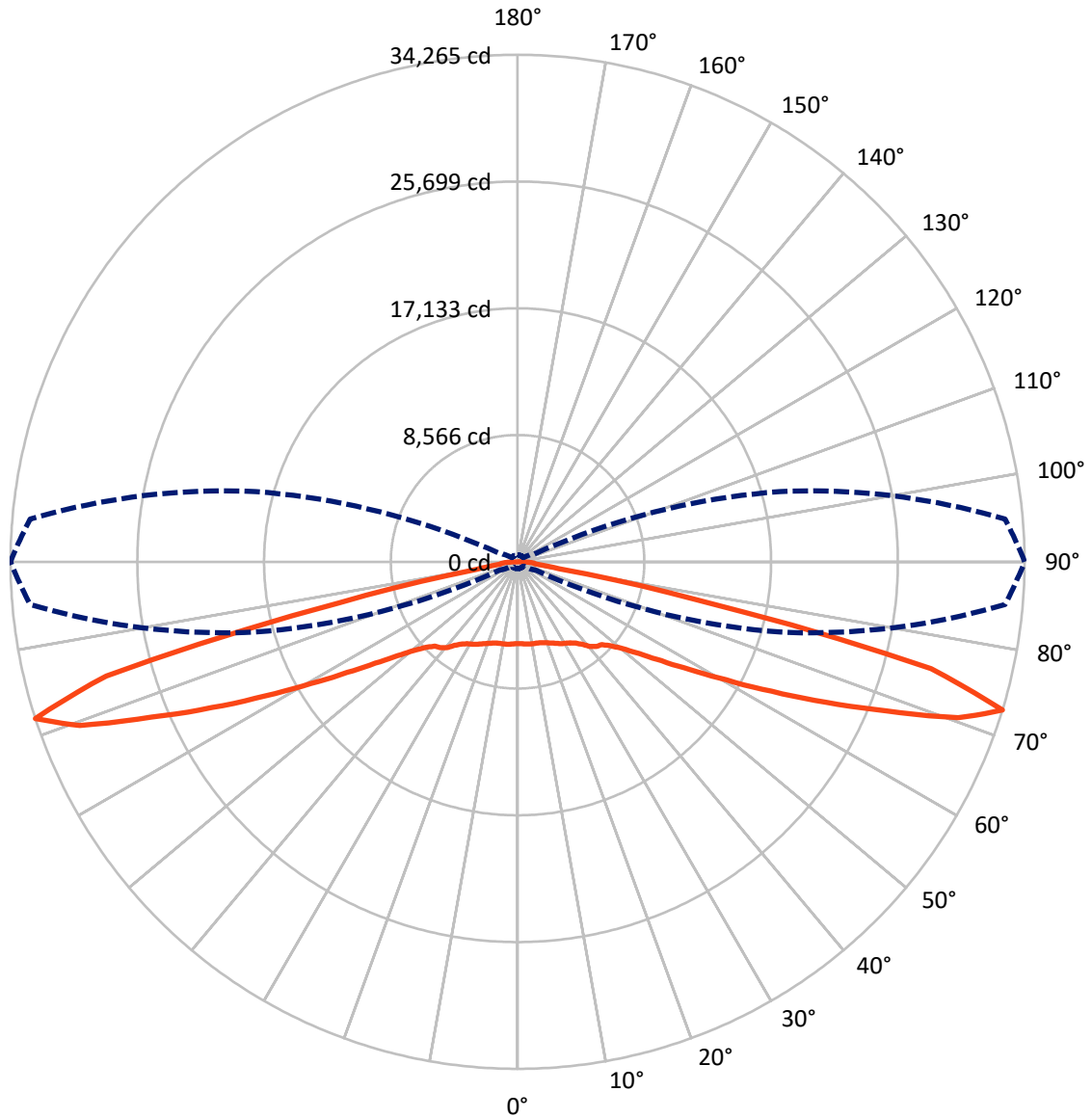
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	14819.5	0.0	14819.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14819.5	0.0	14819.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29639.0	0.0	29639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.0	1.8
10°-20°	1642.0	5.5
20°-30°	2737.8	9.2
30°-40°	3765.4	12.7
40°-50°	4598.5	15.5
50°-60°	5318.7	17.9
60°-70°	6341.7	21.4
70°-80°	4426.1	14.9
80°-90°	271.9	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°	29639.0	100.0
0°-180°	29639.0	100.0

Coefficient of Utilization



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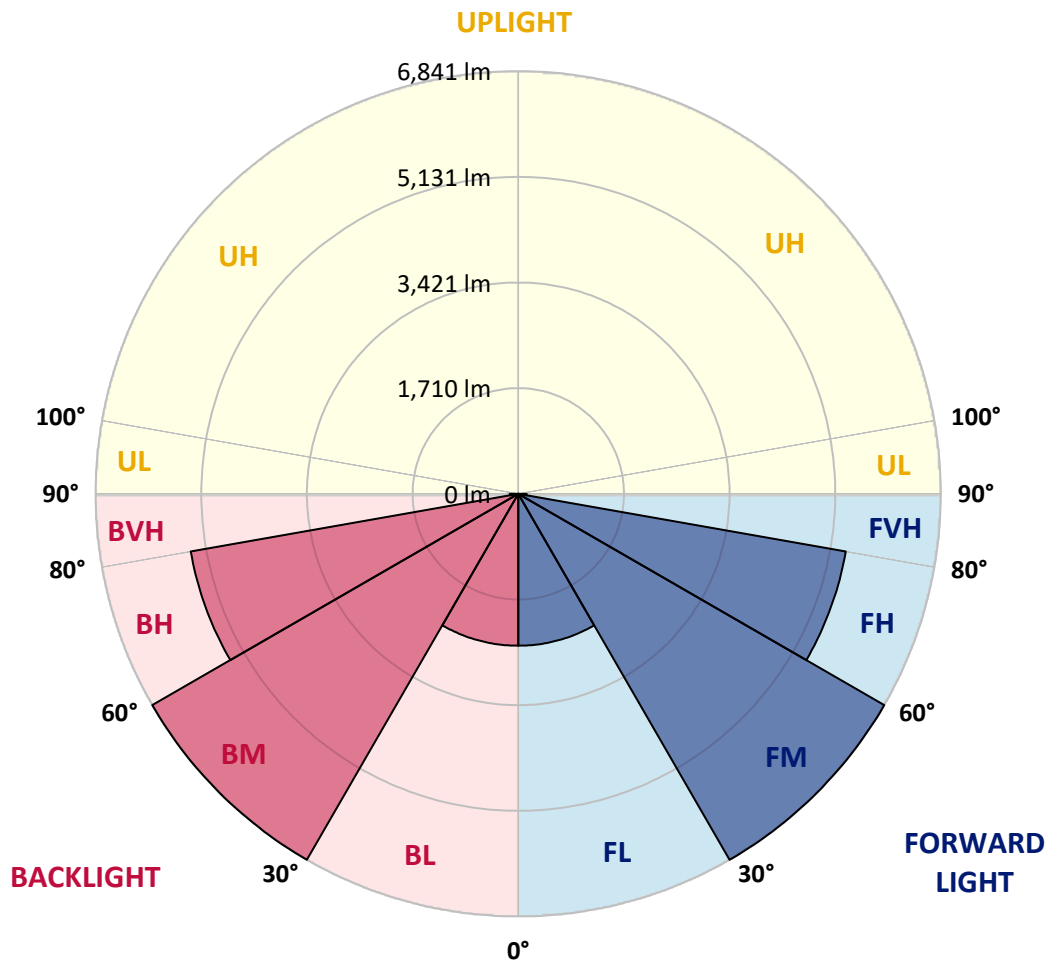
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2458.4	8.3			
FM (30°-60°)	6841.3	23.1			
FH (60°-80°)	5383.9	18.2			G3/7500
FVH (80°-90°)	135.9	0.5			G2/225
BL (0°-30°)	2458.4	8.3	B3/2500		
BM (30°-60°)	6841.3	23.1	B4/8500		
BH (60°-80°)	5383.9	18.2	B5		G5
BVH (80°-90°)	135.9	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°	5538.4	5538.4	5538.4	5538.4	5538.4	5538.4	5538.4	5538.4	5538.4	5538.4
2.5°	5543.1	5549.4	5549.4	5544.7	5555.7	5546.2	5546.2	5541.5	5546.2	5541.5
5°	5571.4	5579.3	5582.5	5580.9	5595.1	5587.2	5587.2	5580.9	5582.5	5577.7
7.5°	5625.0	5636.0	5642.3	5650.2	5670.7	5661.2	5654.9	5636.0	5628.1	5615.5
10°	5642.3	5654.9	5675.4	5716.4	5763.6	5765.2	5746.3	5699.0	5662.8	5634.4
12.5°	5588.8	5606.1	5648.6	5732.1	5837.6	5880.2	5850.2	5771.5	5700.6	5650.2
15°	5521.0	5539.9	5604.5	5730.5	5886.5	5985.7	5982.6	5878.6	5765.2	5686.4
17.5°	5415.5	5434.4	5527.3	5703.8	5924.3	6088.1	6132.2	6025.1	5866.0	5760.5
20°	5224.9	5242.2	5371.4	5618.7	5936.9	6196.8	6311.8	6217.3	6018.8	5875.5
22.5°	4977.6	5004.4	5155.6	5472.2	5907.0	6310.2	6516.6	6452.0	6196.8	5998.3
25°	4713.0	4741.3	4917.7	5292.6	5829.8	6392.1	6759.1	6718.2	6398.4	6151.1
27.5°	4484.6	4514.5	4706.7	5114.6	5710.1	6423.6	6998.6	7019.0	6642.6	6319.7
30°	4305.0	4333.3	4538.1	4971.3	5555.7	6392.1	7208.1	7349.8	6891.4	6466.1
32.5°	4108.1	4144.3	4360.1	4796.4	5373.0	6316.5	7390.8	7707.4	7179.7	6623.7
35°	3859.2	3892.3	4119.1	4557.0	5133.5	6195.2	7543.6	8104.3	7592.4	6863.1
37.5°	3556.8	3588.3	3813.5	4257.7	4895.7	6025.1	7660.1	8551.7	8083.9	7208.1
40°	3252.8	3282.7	3493.8	3923.8	4610.6	5807.7	7701.1	8989.6	8647.8	7682.2
42.5°	2974.0	3000.7	3194.5	3594.6	4290.8	5530.5	7647.5	9370.8	9153.4	8013.0
45°	2717.2	2740.8	2912.5	3285.8	3958.4	5193.4	7486.9	9780.3	9755.1	8249.3
47.5°	2424.2	2447.8	2625.8	2986.6	3626.1	4798.0	7214.4	10183.6	10591.6	8784.8
50°	2066.6	2087.1	2269.8	2641.6	3281.1	4377.4	6836.3	10500.2	11646.9	9596.0
52.5°	1642.9	1665.0	1843.0	2214.7	2871.6	3925.4	6338.6	10706.6	12866.1	10780.6
55°	1222.3	1238.1	1392.5	1726.4	2364.4	3410.3	5714.8	10764.8	14249.1	12399.9
57.5°	886.8	896.3	995.5	1244.4	1792.6	2766.0	4957.1	10613.6	15895.2	14476.0
60°	718.3	721.4	751.4	861.6	1246.0	2038.3	4041.9	10093.8	17681.5	17152.2
62.5°	652.1	652.1	660.0	689.9	842.7	1345.2	2934.6	9016.4	19596.9	20534.1
65°	606.4	606.4	609.6	623.8	664.7	856.9	1852.4	7261.6	21211.5	24495.7
67.5°	565.5	567.1	565.5	570.2	593.8	633.2	1074.3	5015.4	22081.0	28600.7
70°	523.0	526.1	518.2	518.2	537.1	538.7	672.6	2750.3	21359.5	32040.9
72.5°	472.6	477.3	464.7	461.5	475.7	469.4	505.6	1320.0	18338.3	33067.9
75°	428.5	434.8	406.4	398.5	398.5	393.8	411.1	677.3	11902.1	26975.1
77.5°	389.1	401.7	356.0	330.8	324.5	310.3	335.5	414.3	5206.0	12664.5
80°	321.3	338.7	293.0	263.1	252.0	236.3	264.6	289.8	1548.4	2940.9
82.5°	239.4	247.3	207.9	187.4	178.0	167.0	198.5	201.6	504.1	1041.2
85°	152.8	155.9	127.6	110.3	105.5	100.8	126.0	110.3	192.2	765.5
87.5°	53.6	61.4	48.8	44.1	47.3	39.4	58.3	33.1	53.6	540.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5538.4
5541.5
5577.7
5615.5
5629.7
5642.3
5673.8
5743.1
5848.7
5962.1
6100.7
6266.1
6389.0
6526.0
6754.4
7063.1
7527.8
7814.5
7981.5
8476.1
9208.5
10303.3
11802.9
13724.6
16205.5
19266.1
22892.2
26869.6
31585.7
34265.1
28852.7
12401.5
2816.4
1176.7
1112.1
669.5
0.0

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