

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: P848274

Luminaire Tested: **GLAN-SB4D-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848274
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-SB4D-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 39591 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

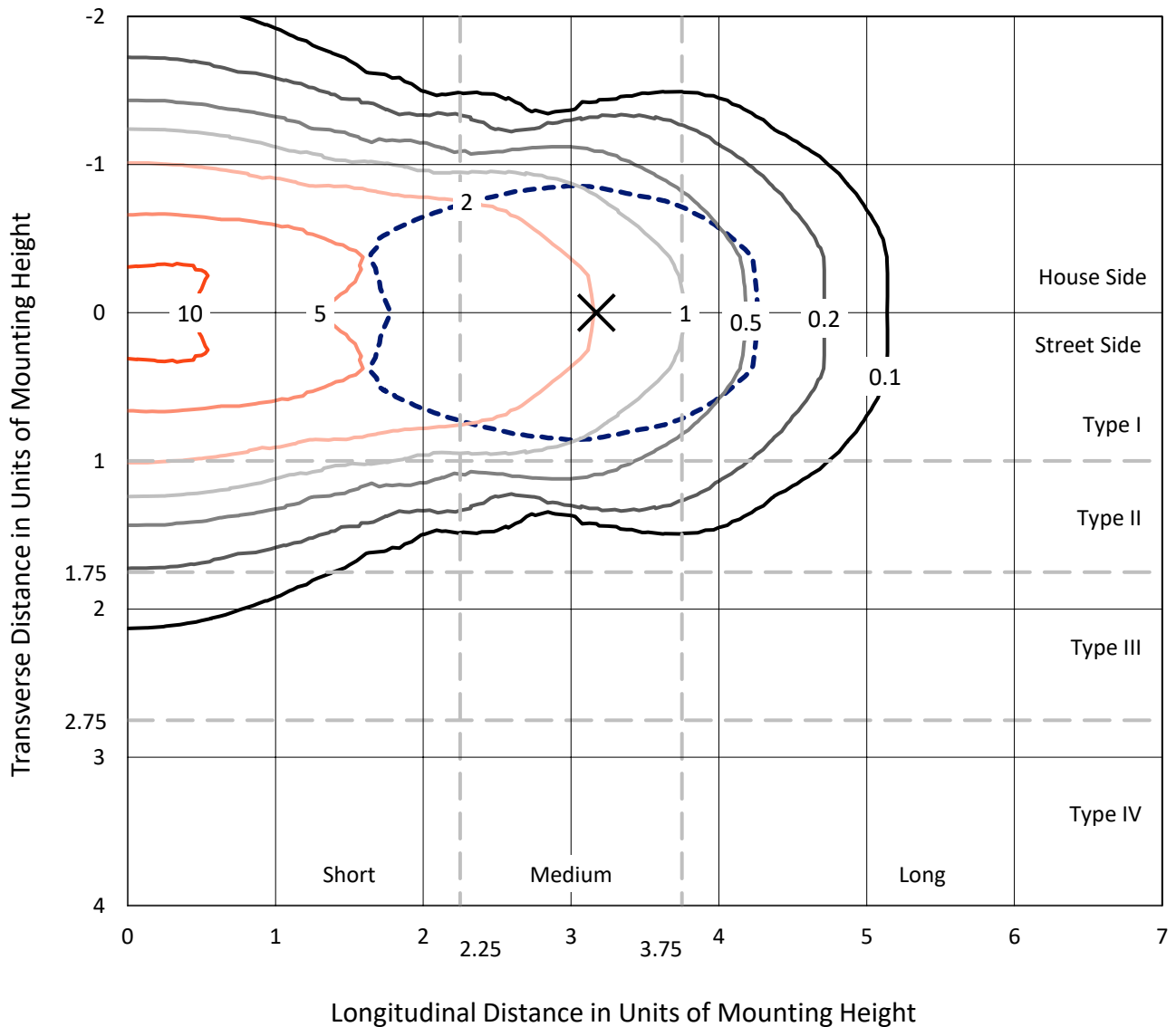
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

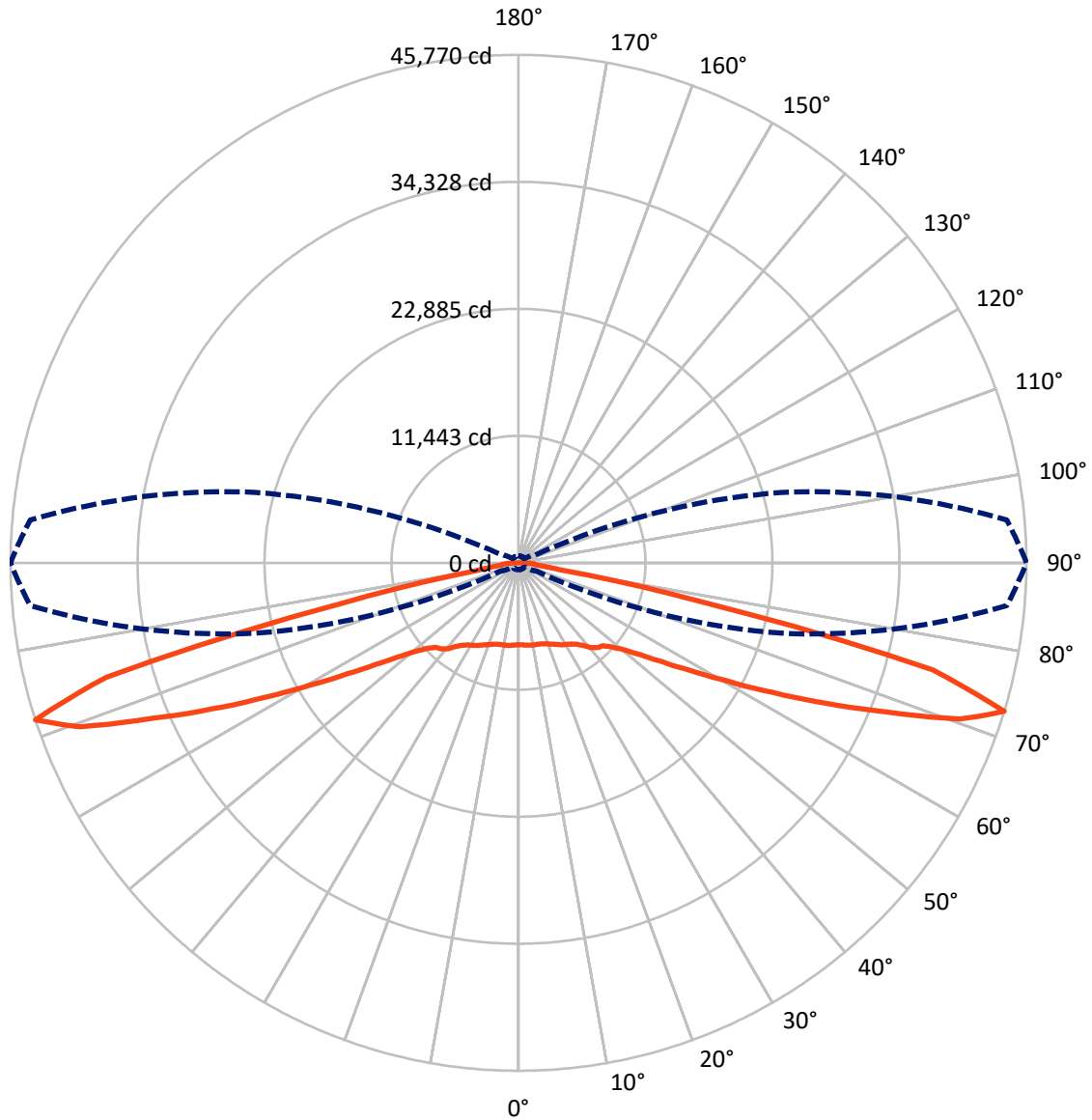
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	19795.5	0.0	19795.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19795.5	0.0	19795.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39591.0	0.0	39591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.3	1.8
10°-20°	2193.3	5.5
20°-30°	3657.1	9.2
30°-40°	5029.7	12.7
40°-50°	6142.6	15.5
50°-60°	7104.6	17.9
60°-70°	8471.0	21.4
70°-80°	5912.2	14.9
80°-90°	363.1	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°	39591.0	100.0
0°-180°	39591.0	100.0

Coefficient of Utilization



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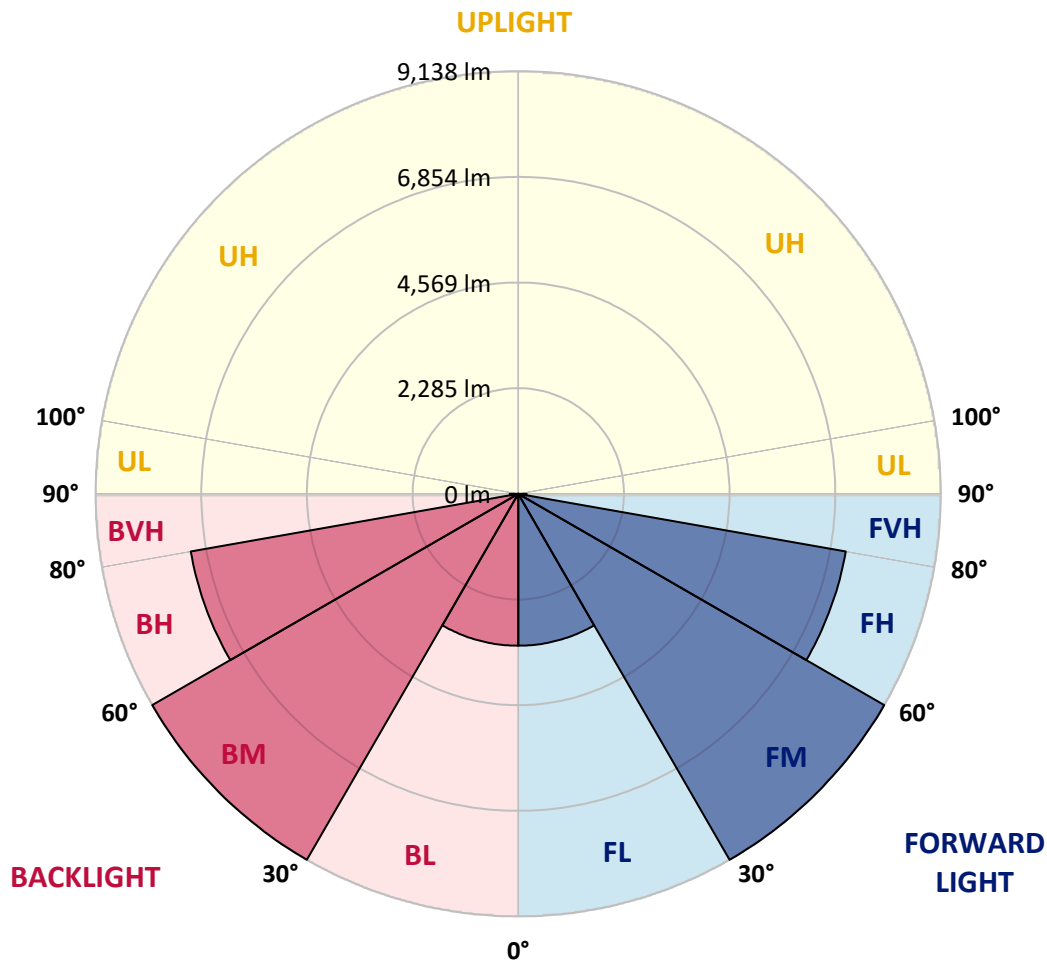
CATALOG NUMBER: GLAN-SB4D-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3283.9	8.3			
FM (30°-60°)	9138.4	23.1			
FH (60°-80°)	7191.6	18.2			G3/7500
FVH (80°-90°)	181.6	0.5			G2/225
BL (0°-30°)	3283.9	8.3	B4/5000		
BM (30°-60°)	9138.4	23.1	B5		
BH (60°-80°)	7191.6	18.2	B5		G5
BVH (80°-90°)	181.6	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°	7398.0	7398.0	7398.0	7398.0	7398.0	7398.0	7398.0	7398.0	7398.0	7398.0
2.5°	7404.3	7412.7	7412.7	7406.4	7421.1	7408.5	7408.5	7402.2	7408.5	7402.2
5°	7442.2	7452.7	7456.9	7454.8	7473.7	7463.2	7463.2	7454.8	7456.9	7450.6
7.5°	7513.7	7528.5	7536.9	7547.4	7574.7	7562.1	7553.7	7528.5	7517.9	7501.1
10°	7536.9	7553.7	7581.1	7635.8	7698.9	7701.0	7675.7	7612.6	7564.2	7526.3
12.5°	7465.3	7488.5	7545.3	7656.8	7797.8	7854.6	7814.6	7709.4	7614.7	7547.4
15°	7374.9	7400.1	7486.4	7654.7	7863.0	7995.6	7991.4	7852.5	7701.0	7595.8
17.5°	7233.9	7259.1	7383.3	7618.9	7913.5	8132.3	8191.2	8048.2	7835.6	7694.7
20°	6979.3	7002.4	7175.0	7505.3	7930.3	8277.5	8431.1	8304.9	8039.7	7848.3
22.5°	6648.9	6684.7	6886.7	7309.6	7890.4	8429.0	8704.6	8618.4	8277.5	8012.4
25°	6295.5	6333.3	6569.0	7069.8	7787.3	8538.4	9028.7	8974.0	8546.8	8216.5
27.5°	5990.4	6030.3	6287.0	6832.0	7627.3	8580.5	9348.5	9375.8	8873.0	8441.6
30°	5750.5	5788.4	6061.9	6640.5	7421.1	8538.4	9628.3	9817.7	9205.4	8637.3
32.5°	5487.5	5535.9	5824.1	6407.0	7177.1	8437.4	9872.4	10295.3	9590.5	8847.7
35°	5155.0	5199.2	5502.2	6087.1	6857.2	8275.4	10076.5	10825.6	10141.7	9167.5
37.5°	4751.0	4793.1	5094.0	5687.4	6539.5	8048.2	10232.2	11423.1	10798.2	9628.3
40°	4345.0	4384.9	4666.9	5241.3	6158.7	7757.8	10286.9	12008.1	11551.5	10261.7
42.5°	3972.5	4008.3	4267.1	4801.5	5731.6	7387.5	10215.4	12517.3	12226.9	10703.5
45°	3629.6	3661.1	3890.5	4389.1	5287.6	6937.2	10000.8	13064.3	13030.7	11019.1
47.5°	3238.2	3269.8	3507.5	3989.4	4843.6	6409.1	9636.8	13603.0	14147.9	11734.5
50°	2760.6	2787.9	3032.0	3528.6	4382.8	5847.3	9131.8	14025.9	15557.7	12818.1
52.5°	2194.6	2224.0	2461.8	2958.4	3835.8	5243.4	8466.9	14301.5	17186.2	14400.4
55°	1632.8	1653.8	1860.0	2306.1	3158.2	4555.4	7633.7	14379.4	19033.6	16563.4
57.5°	1184.6	1197.2	1329.8	1662.2	2394.5	3694.8	6621.6	14177.4	21232.4	19336.6
60°	959.5	963.7	1003.7	1150.9	1664.3	2722.7	5399.1	13483.0	23618.5	22911.5
62.5°	871.1	871.1	881.6	921.6	1125.7	1796.9	3919.9	12043.8	26177.0	27429.0
65°	810.1	810.1	814.3	833.2	887.9	1144.6	2474.4	9699.9	28333.7	32720.8
67.5°	755.4	757.5	755.4	761.7	793.2	845.8	1435.0	6699.4	29495.2	38204.0
70°	698.6	702.8	692.2	692.2	717.5	719.6	898.4	3673.7	28531.5	42799.4
72.5°	631.2	637.5	620.7	616.5	635.4	627.0	675.4	1763.2	24495.9	44171.3
75°	572.3	580.7	542.9	532.3	532.3	526.0	549.2	904.8	15898.5	36032.6
77.5°	519.7	536.5	475.5	441.9	433.4	414.5	448.2	553.4	6954.0	16916.9
80°	429.2	452.4	391.4	351.4	336.7	315.6	353.5	387.2	2068.3	3928.3
82.5°	319.8	330.3	277.7	250.4	237.8	223.0	265.1	269.3	673.3	1390.8
85°	204.1	208.3	170.4	147.3	141.0	134.7	168.3	147.3	256.7	1022.6
87.5°	71.5	82.1	65.2	58.9	63.1	52.6	77.9	44.2	71.5	721.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7398.0
7402.2
7450.6
7501.1
7520.0
7536.9
7578.9
7671.5
7812.5
7964.0
8149.2
8370.1
8534.2
8717.3
9022.4
9434.8
10055.5
10438.4
10661.4
11322.1
12300.5
13762.9
15766.0
18333.0
21646.9
25735.2
30578.8
35891.6
42191.3
45770.4
38540.7
16565.5
3762.1
1571.8
1485.5
894.2
0.0

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