

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: P850821

Luminaire Tested: **GLAN-SB8C-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850821
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-SB8C-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60110 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

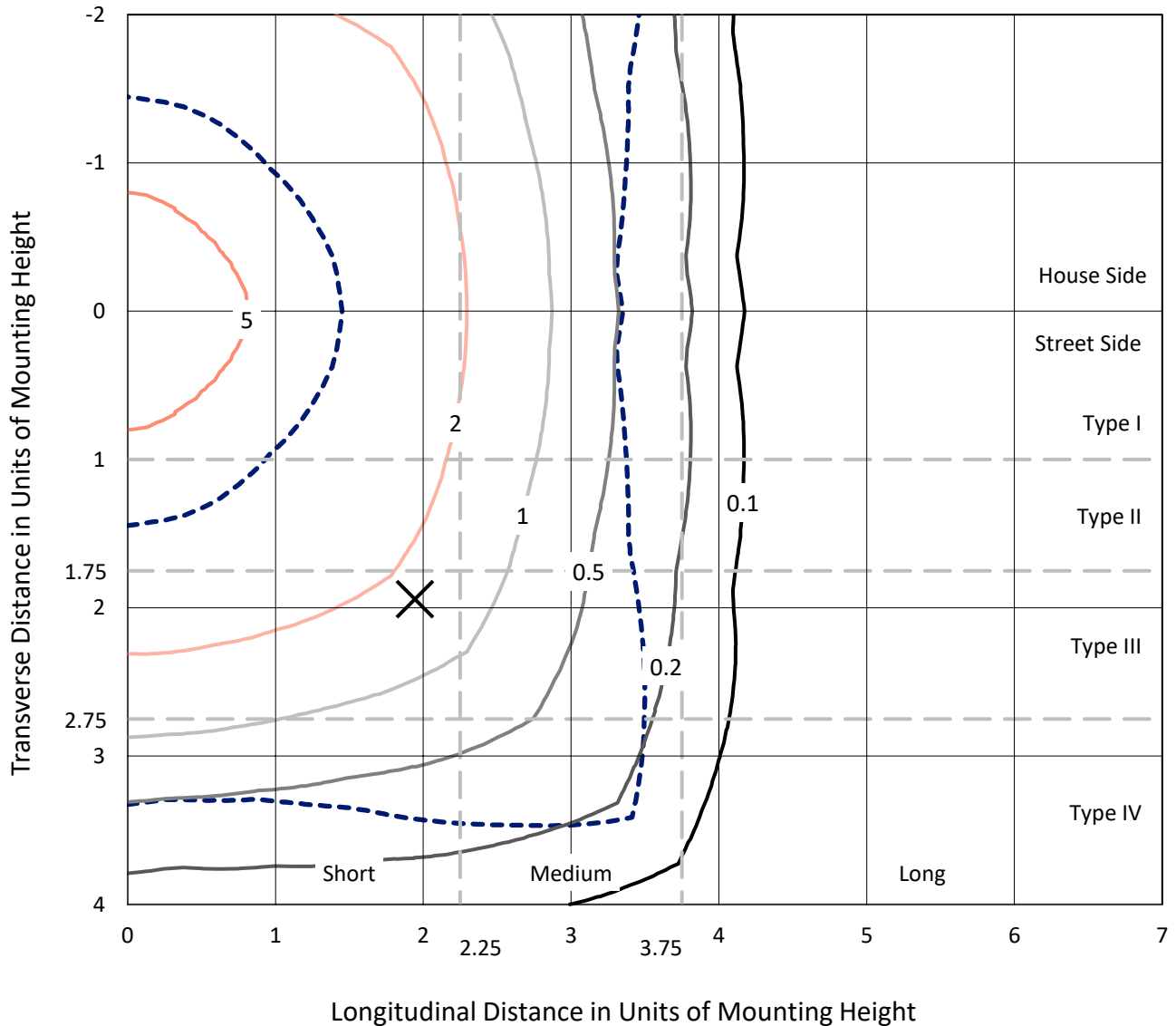
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

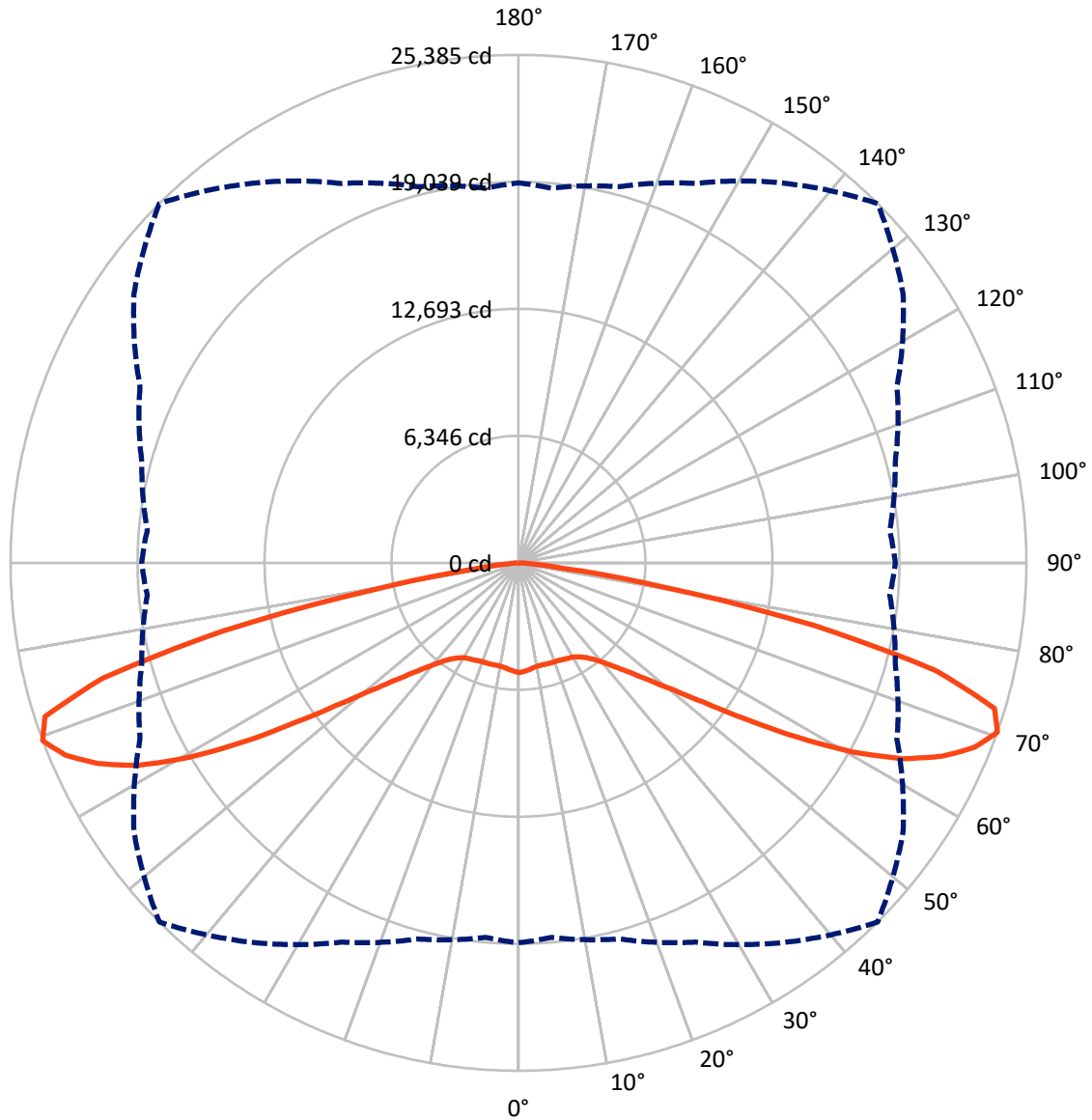
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30055.0	0.0	30055.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30055.0	0.0	30055.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	60110.0	0.0	60110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.1	0.8
10°-20°	1497.7	2.5
20°-30°	2492.4	4.1
30°-40°	3769.2	6.3
40°-50°	6263.6	10.4
50°-60°	11819.1	19.7
60°-70°	19957.1	33.2
70°-80°	13113.9	21.8
80°-90°	687.0	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°	60110.0	100.0
0°-180°	60110.0	100.0

Coefficient of Utilization



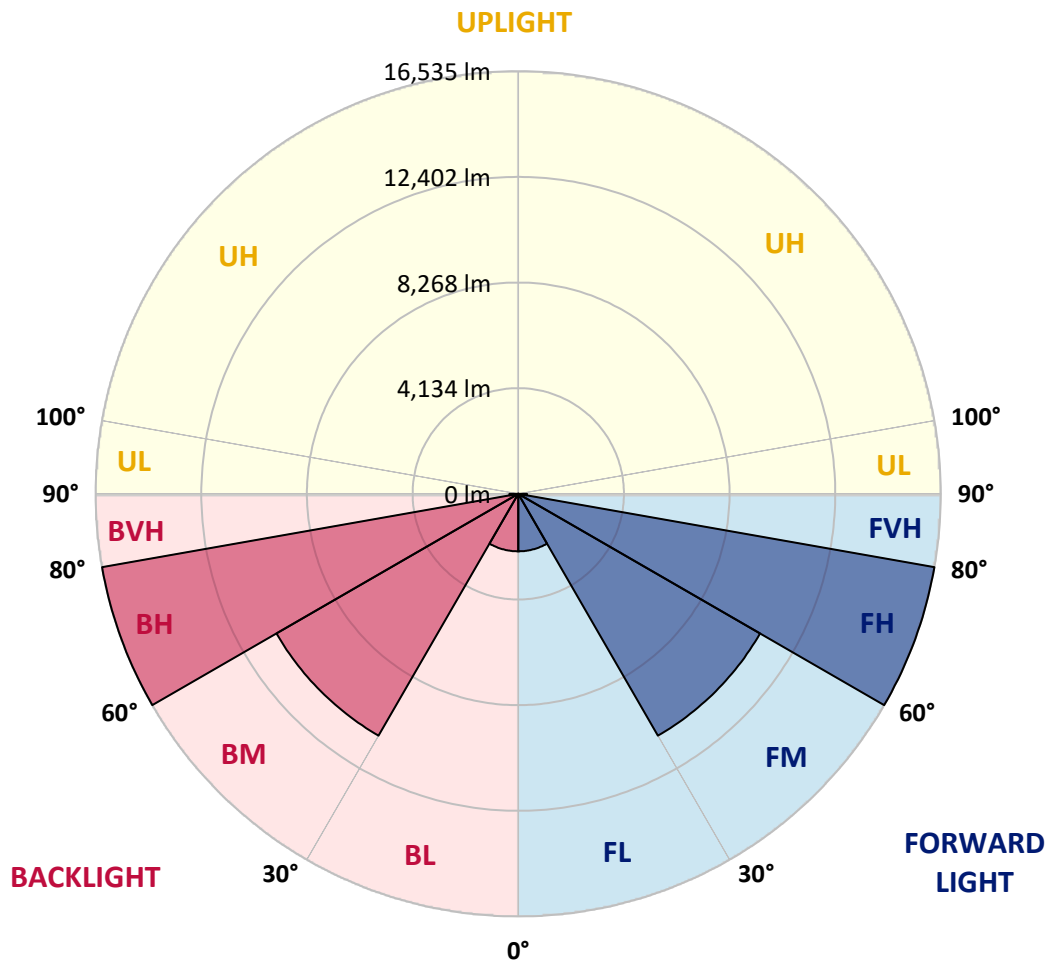
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2250.1	3.7			
FM (30°-60°)	10926.0	18.2			
FH (60°-80°)	16535.5	27.5			G5
FVH (80°-90°)	343.5	0.6			G3/500
BL (0°-30°)	2250.1	3.7	B3/2500		
BM (30°-60°)	10926.0	18.2	B5		
BH (60°-80°)	16535.5	27.5	B5		G5
BVH (80°-90°)	343.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5483.2	5483.2	5483.2	5483.2	5483.2	5483.2	5483.2	5483.2	5483.2	5483.2
2.5°	5448.9	5464.5	5458.2	5445.7	5445.7	5436.4	5445.7	5452.0	5461.4	5467.6
5°	5377.0	5389.5	5386.4	5377.0	5380.1	5370.8	5377.0	5386.4	5392.6	5395.8
7.5°	5314.5	5327.0	5320.8	5305.2	5305.2	5295.8	5298.9	5308.3	5317.7	5320.8
10°	5298.9	5311.4	5292.7	5267.7	5258.3	5245.8	5248.9	5258.3	5277.0	5286.4
12.5°	5305.2	5314.5	5295.8	5258.3	5248.9	5236.4	5236.4	5245.8	5270.8	5283.3
15°	5323.9	5333.3	5305.2	5264.5	5255.2	5245.8	5242.7	5255.2	5283.3	5305.2
17.5°	5358.3	5367.6	5323.9	5267.7	5255.2	5258.3	5255.2	5264.5	5308.3	5348.9
20°	5389.5	5395.8	5336.4	5267.7	5255.2	5258.3	5255.2	5273.9	5330.1	5386.4
22.5°	5398.9	5405.1	5348.9	5289.5	5280.2	5283.3	5280.2	5298.9	5352.0	5408.3
25°	5402.0	5411.4	5367.6	5320.8	5336.4	5342.6	5336.4	5339.5	5380.1	5430.1
27.5°	5448.9	5461.4	5420.8	5380.1	5389.5	5386.4	5395.8	5405.1	5436.4	5486.4
30°	5545.7	5555.1	5520.7	5480.1	5473.9	5452.0	5480.1	5511.4	5545.7	5589.5
32.5°	5705.1	5723.8	5680.1	5636.3	5608.2	5595.7	5617.6	5670.7	5717.6	5764.4
35°	5970.6	5983.1	5942.5	5861.3	5811.3	5811.3	5830.0	5898.8	5973.8	6033.1
37.5°	6345.6	6361.2	6289.3	6192.5	6117.5	6117.5	6142.5	6214.3	6326.8	6411.2
40°	6801.7	6823.6	6733.0	6633.0	6561.1	6548.6	6579.9	6661.1	6767.4	6873.6
42.5°	7351.6	7376.6	7257.9	7170.4	7114.2	7114.2	7129.8	7204.8	7301.6	7432.8
45°	8054.6	8098.3	7935.9	7848.4	7795.3	7807.8	7817.1	7882.7	7970.2	8120.2
47.5°	8891.9	8935.7	8763.8	8673.2	8663.8	8723.2	8685.7	8732.6	8779.4	8951.3
50°	9841.7	9916.7	9798.0	9791.7	9810.5	9919.8	9832.3	9857.3	9804.2	9913.6
52.5°	11004.0	11113.3	11091.5	11129.0	11338.3	11563.2	11363.3	11275.8	11075.8	11110.2
55°	12413.1	12578.7	12609.9	12834.8	13309.8	13769.0	13344.1	12991.1	12566.2	12488.0
57.5°	14015.9	14147.1	14297.0	14756.3	15643.6	16459.1	15643.6	14862.6	14193.9	14034.6
60°	15740.5	15903.0	16046.7	16724.7	18043.1	19189.8	18018.2	16777.8	15893.6	15678.0
62.5°	17593.2	17802.6	17902.6	18655.5	20192.7	21561.2	20214.6	18711.8	17730.7	17499.5
65°	19371.0	19542.8	19655.3	20458.3	21926.7	23298.3	22026.7	20545.8	19536.6	19233.5
67.5°	20199.0	20292.7	20567.6	21476.8	23026.5	24591.8	23288.9	21573.7	20445.8	19914.6
70°	18986.7	18796.1	19458.5	20914.4	23157.7	25385.4	23457.7	20870.7	19489.7	18627.4
72.5°	14672.0	14343.9	15493.7	17983.8	21658.0	24879.2	21808.0	18124.4	16209.2	14459.5
75°	7982.7	7610.9	9198.1	12347.4	17271.4	21564.3	17668.2	12700.5	10241.6	7923.4
77.5°	2252.7	2112.1	3393.0	5973.8	10388.5	15140.6	10788.4	6105.0	4024.2	2387.0
80°	690.5	668.6	906.1	1799.6	4411.6	7251.6	4239.7	1821.5	1152.9	728.0
82.5°	409.3	374.9	449.9	656.1	1124.8	2277.7	1093.5	684.2	549.9	368.7
85°	234.3	218.7	265.6	318.7	378.0	484.3	315.6	324.9	293.7	196.8
87.5°	96.9	87.5	103.1	100.0	87.5	112.5	84.4	100.0	118.7	78.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5483.2
5464.5
5395.8
5320.8
5286.4
5286.4
5308.3
5348.9
5389.5
5408.3
5427.0
5473.9
5580.1
5745.7
6011.3
6379.9
6839.2
7423.5
8113.9
8901.3
9848.0
10994.6
12366.2
13922.1
15490.5
17312.0
19083.6
19920.9
18833.6
14893.8
8438.9
2652.6
768.6
399.9
206.2
71.9
0.0

OF REPORT)