

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: P850641

Luminaire Tested: **GLAN-SB8B-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850641
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-SB8B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44490 lumens
Efficiency: N/A
Efficacy: 151.9 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

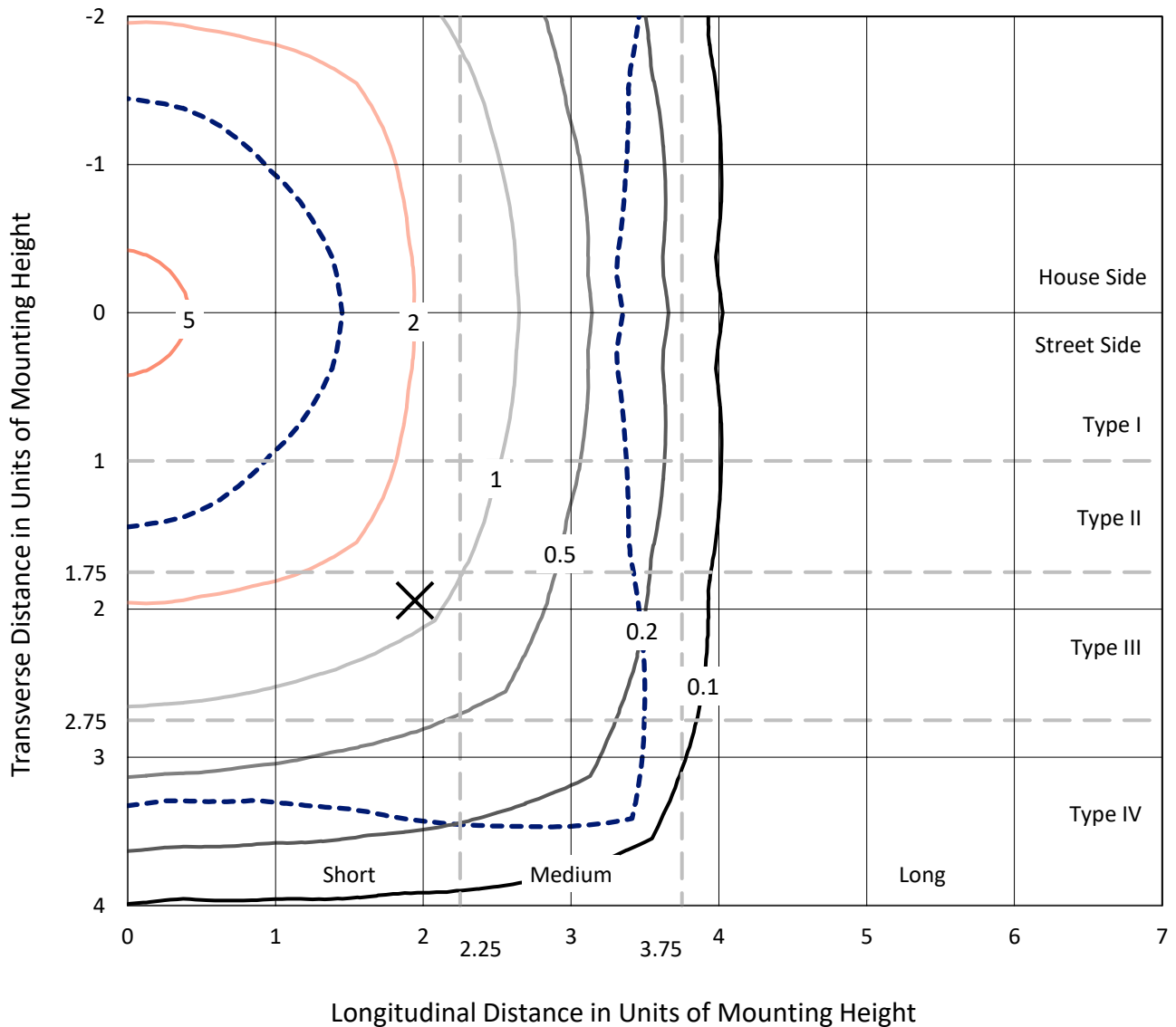
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

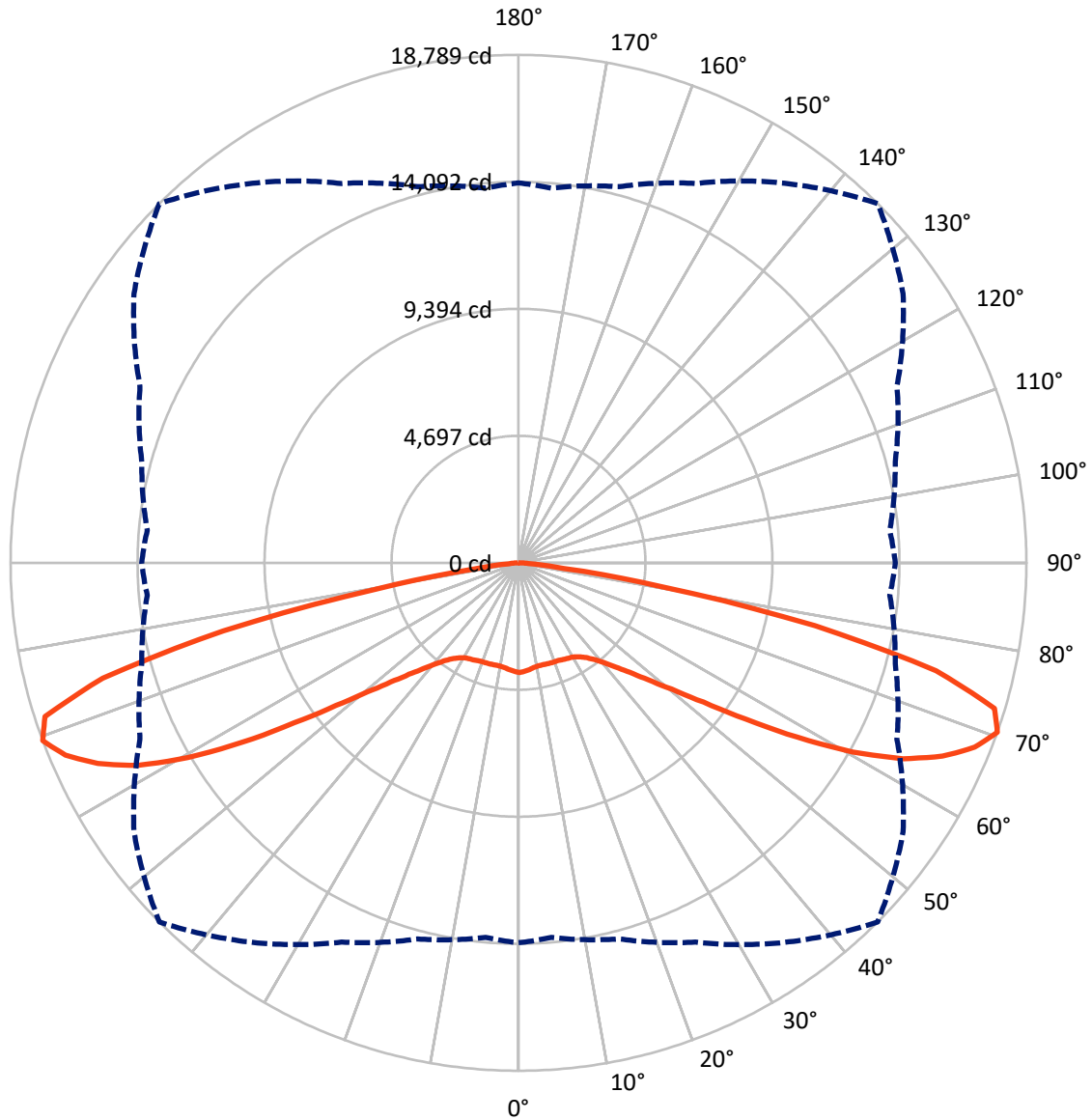
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	22245.0	0.0	22245.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22245.0	0.0	22245.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44490.0	0.0	44490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.5	0.8
10°-20°	1108.5	2.5
20°-30°	1844.7	4.1
30°-40°	2789.8	6.3
40°-50°	4635.9	10.4
50°-60°	8747.8	19.7
60°-70°	14771.1	33.2
70°-80°	9706.1	21.8
80°-90°	508.5	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°	44490.0	100.0
0°-180°	44490.0	100.0

Coefficient of Utilization



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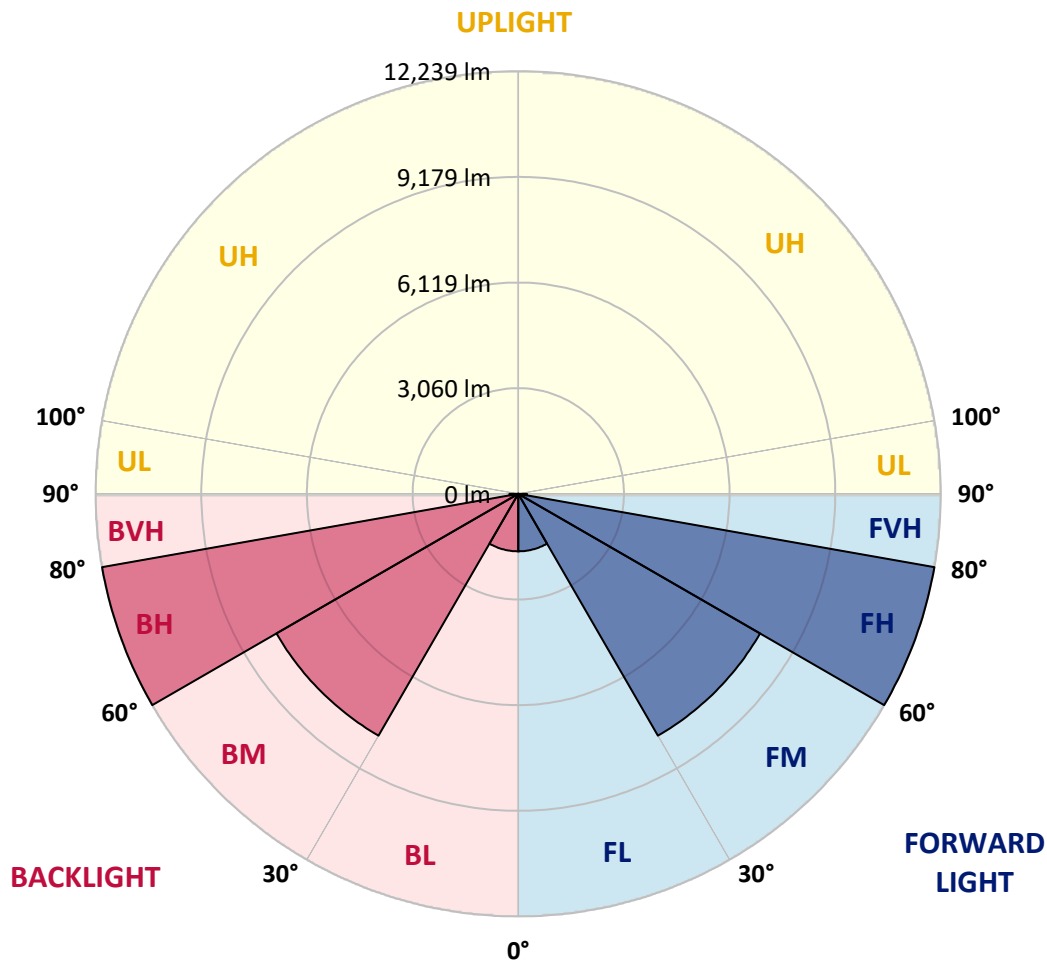
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1665.4	3.7			
FM (30°-60°)	8086.8	18.2			
FH (60°-80°)	12238.6	27.5			G5
FVH (80°-90°)	254.3	0.6			G3/500
BL (0°-30°)	1665.4	3.7	B3/2500		
BM (30°-60°)	8086.8	18.2	B4/8500		
BH (60°-80°)	12238.6	27.5	B5		G5
BVH (80°-90°)	254.3	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°	4058.4	4058.4	4058.4	4058.4	4058.4	4058.4	4058.4	4058.4	4058.4	4058.4
2.5°	4032.9	4044.5	4039.9	4030.6	4030.6	4023.7	4030.6	4035.3	4042.2	4046.8
5°	3979.8	3989.0	3986.7	3979.8	3982.1	3975.1	3979.8	3986.7	3991.3	3993.6
7.5°	3933.5	3942.8	3938.1	3926.6	3926.6	3919.6	3921.9	3928.9	3935.8	3938.1
10°	3921.9	3931.2	3917.3	3898.8	3891.9	3882.6	3884.9	3891.9	3905.8	3912.7
12.5°	3926.6	3933.5	3919.6	3891.9	3884.9	3875.7	3875.7	3882.6	3901.1	3910.4
15°	3940.4	3947.4	3926.6	3896.5	3889.6	3882.6	3880.3	3889.6	3910.4	3926.6
17.5°	3965.9	3972.8	3940.4	3898.8	3889.6	3891.9	3889.6	3896.5	3928.9	3958.9
20°	3989.0	3993.6	3949.7	3898.8	3889.6	3891.9	3889.6	3903.4	3945.1	3986.7
22.5°	3995.9	4000.6	3958.9	3915.0	3908.1	3910.4	3908.1	3921.9	3961.3	4002.9
25°	3998.3	4005.2	3972.8	3938.1	3949.7	3954.3	3949.7	3952.0	3982.1	4019.1
27.5°	4032.9	4042.2	4012.1	3982.1	3989.0	3986.7	3993.6	4000.6	4023.7	4060.7
30°	4104.6	4111.6	4086.1	4056.1	4051.4	4035.3	4056.1	4079.2	4104.6	4137.0
32.5°	4222.6	4236.4	4204.1	4171.7	4150.9	4141.6	4157.8	4197.1	4231.8	4266.5
35°	4419.1	4428.4	4398.3	4338.2	4301.2	4301.2	4315.1	4365.9	4421.4	4465.4
37.5°	4696.6	4708.2	4655.0	4583.3	4527.8	4527.8	4546.3	4599.5	4682.8	4745.2
40°	5034.2	5050.4	4983.4	4909.4	4856.2	4846.9	4870.1	4930.2	5008.8	5087.4
42.5°	5441.2	5459.7	5371.9	5307.1	5265.5	5265.5	5277.1	5332.6	5404.2	5501.4
45°	5961.5	5993.9	5873.7	5808.9	5769.6	5778.9	5785.8	5834.4	5899.1	6010.1
47.5°	6581.3	6613.7	6486.5	6419.4	6412.5	6456.4	6428.7	6463.4	6498.0	6625.2
50°	7284.3	7339.8	7251.9	7247.3	7261.2	7342.1	7277.3	7295.8	7256.5	7337.5
52.5°	8144.5	8225.5	8209.3	8237.0	8392.0	8558.4	8410.5	8345.7	8197.7	8223.1
55°	9187.4	9310.0	9333.1	9499.6	9851.1	10191.1	9876.6	9615.2	9300.8	9242.9
57.5°	10373.7	10470.9	10581.9	10921.8	11578.5	12182.1	11578.5	11000.4	10505.5	10387.6
60°	11650.2	11770.5	11876.8	12378.6	13354.5	14203.2	13336.0	12418.0	11763.5	11604.0
62.5°	13021.5	13176.5	13250.4	13807.8	14945.5	15958.4	14961.7	13849.4	13123.3	12952.1
65°	14337.3	14464.5	14547.7	15142.0	16228.9	17244.1	16302.9	15206.8	14459.9	14235.6
67.5°	14950.1	15019.5	15223.0	15895.9	17042.9	18201.4	17237.1	15967.6	15132.8	14739.7
70°	14052.9	13911.8	14402.1	15479.7	17140.0	18788.8	17362.0	15447.3	14425.2	13786.9
72.5°	10859.4	10616.5	11467.5	13310.6	16030.0	18414.2	16141.0	13414.6	11997.1	10702.1
75°	5908.4	5633.2	6807.9	9138.9	12783.3	15960.7	13077.0	9400.2	7580.3	5864.4
77.5°	1667.3	1563.2	2511.3	4421.4	7689.0	11206.2	7985.0	4518.6	2978.5	1766.7
80°	511.1	494.9	670.6	1332.0	3265.2	5367.2	3138.0	1348.2	853.3	538.8
82.5°	302.9	277.5	333.0	485.6	832.5	1685.8	809.4	506.4	407.0	272.9
85°	173.4	161.9	196.6	235.9	279.8	358.4	233.6	240.5	217.4	145.7
87.5°	71.7	64.7	76.3	74.0	64.7	83.2	62.4	74.0	87.9	57.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4058.4
4044.5
3993.6
3938.1
3912.7
3912.7
3928.9
3958.9
3989.0
4002.9
4016.8
4051.4
4130.1
4252.6
4449.2
4722.1
5062.0
5494.4
6005.5
6588.2
7288.9
8137.6
9152.8
10304.4
11465.2
12813.4
14124.6
14744.3
13939.6
11023.5
6246.0
1963.3
568.9
296.0
152.6
53.2
0.0

OF REPORT)