

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: P850301

Luminaire Tested: **GLAN-SB7D-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850301
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-SB7D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70711 lumens
Efficiency: N/A
Efficacy: 137.9 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

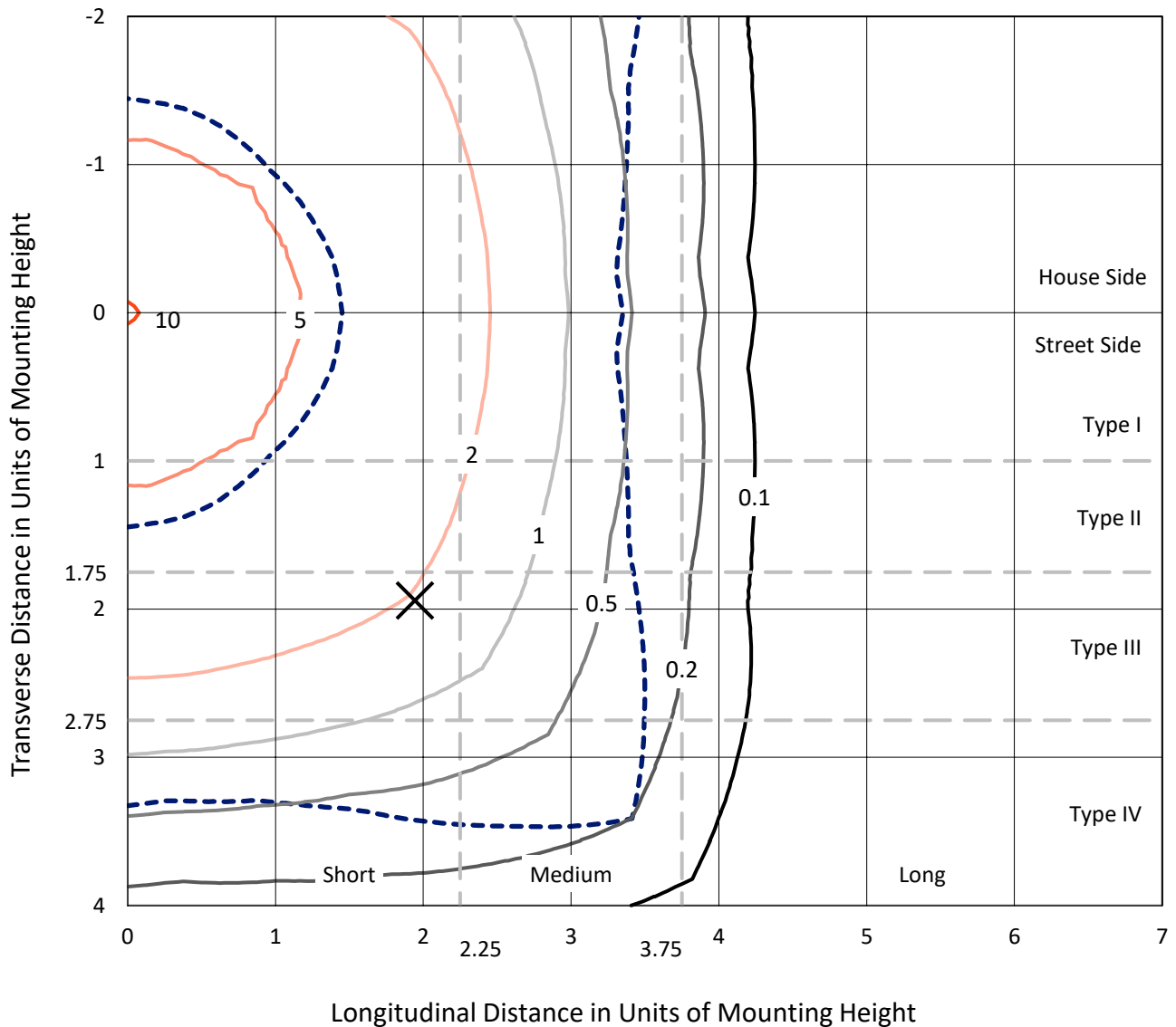
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

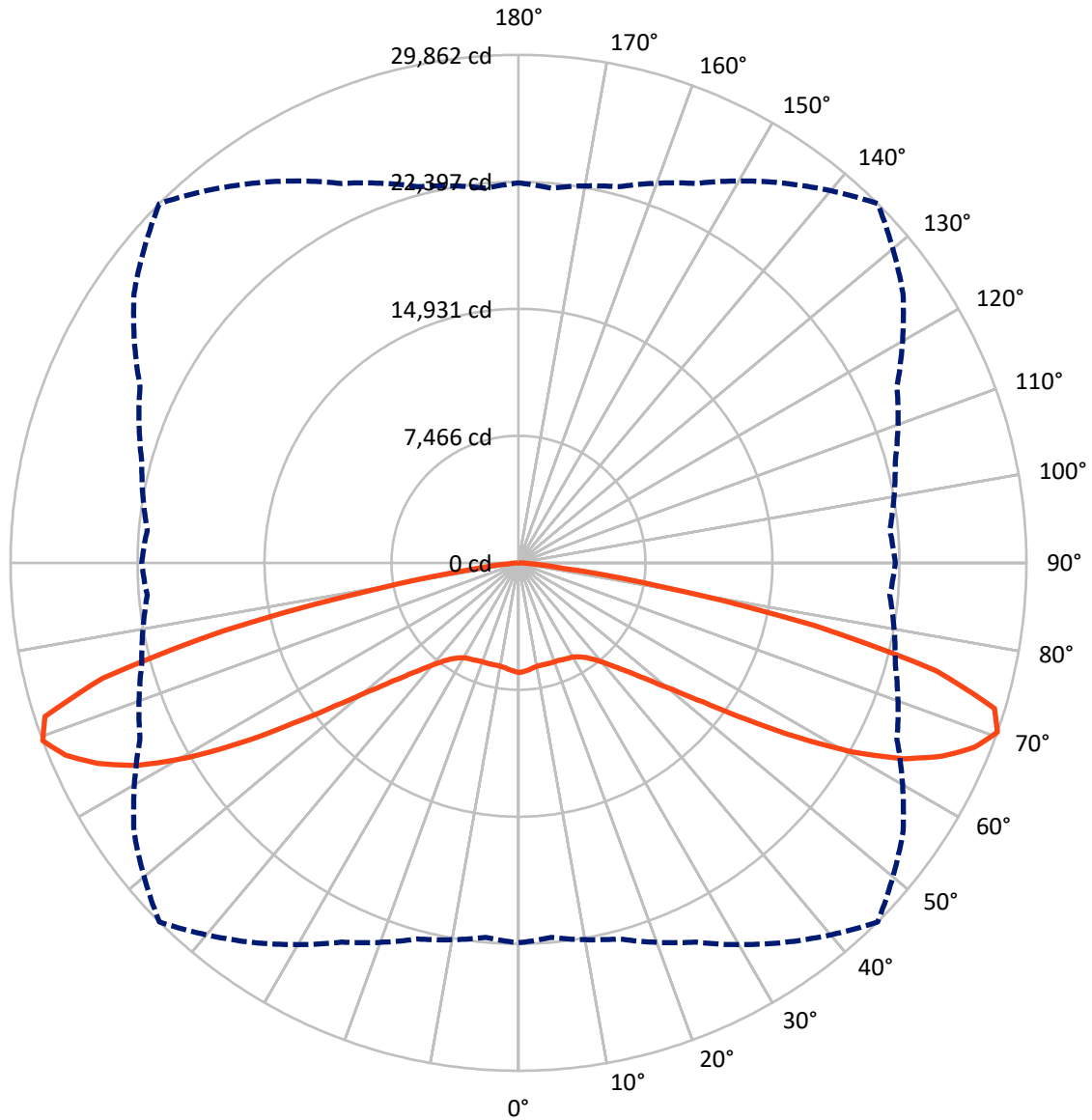
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	35355.5	0.0	35355.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35355.5	0.0	35355.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	70711.0	0.0	70711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.0	0.8
10°-20°	1761.8	2.5
20°-30°	2931.9	4.1
30°-40°	4434.0	6.3
40°-50°	7368.2	10.4
50°-60°	13903.5	19.7
60°-70°	23476.7	33.2
70°-80°	15426.6	21.8
80°-90°	808.2	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°	70711.0	100.0
0°-180°	70711.0	100.0

Coefficient of Utilization



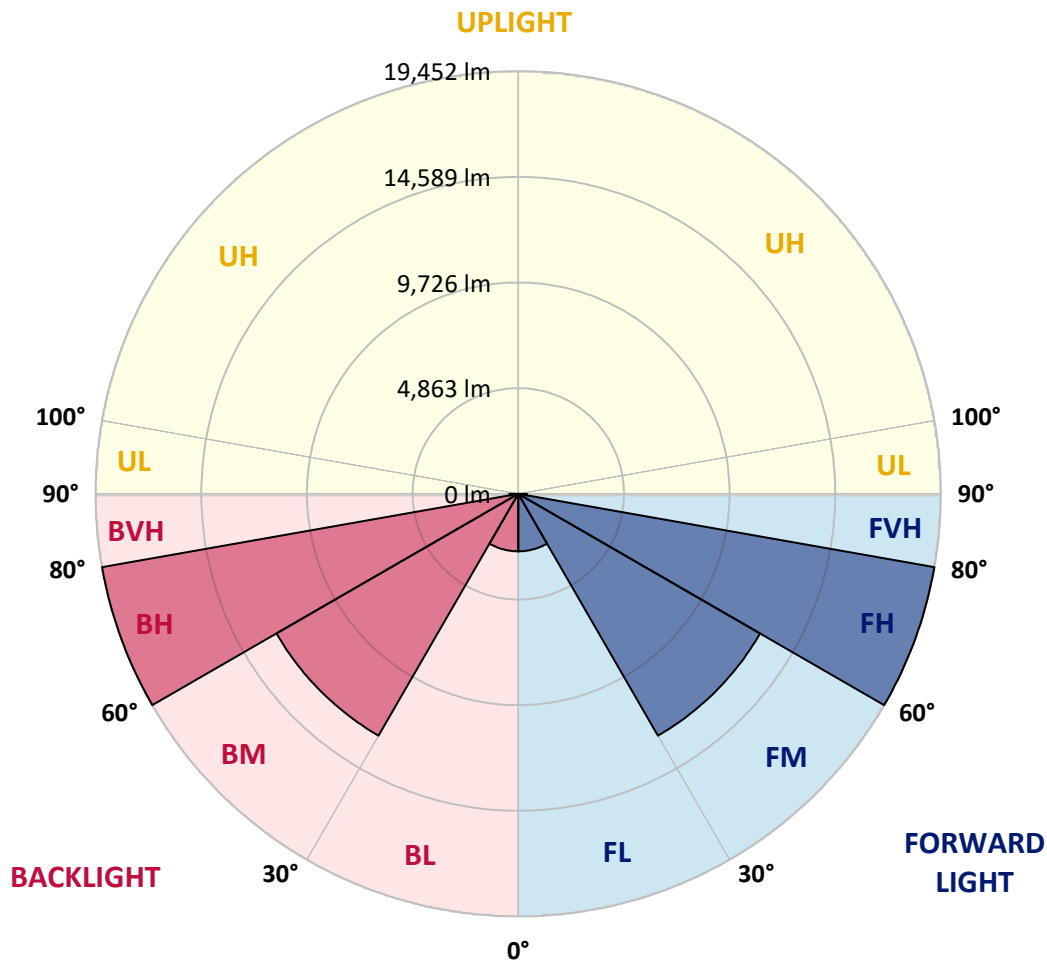
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2646.9	3.7			
FM (30°-60°)	12852.9	18.2			
FH (60°-80°)	19451.6	27.5			G5
FVH (80°-90°)	404.1	0.6			G3/500
BL (0°-30°)	2646.9	3.7	B4/5000		
BM (30°-60°)	12852.9	18.2	B5		
BH (60°-80°)	19451.6	27.5	B5		G5
BVH (80°-90°)	404.1	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°	6450.3	6450.3	6450.3	6450.3	6450.3	6450.3	6450.3	6450.3	6450.3	6450.3
2.5°	6409.8	6428.2	6420.9	6406.2	6406.2	6395.1	6406.2	6413.5	6424.5	6431.9
5°	6325.3	6340.0	6336.3	6325.3	6329.0	6318.0	6325.3	6336.3	6343.7	6347.4
7.5°	6251.8	6266.5	6259.1	6240.8	6240.8	6229.7	6233.4	6244.4	6255.5	6259.1
10°	6233.4	6248.1	6226.1	6196.7	6185.6	6170.9	6174.6	6185.6	6207.7	6218.7
12.5°	6240.8	6251.8	6229.7	6185.6	6174.6	6159.9	6159.9	6170.9	6200.3	6215.0
15°	6262.8	6273.8	6240.8	6193.0	6182.0	6170.9	6167.3	6182.0	6215.0	6240.8
17.5°	6303.3	6314.3	6262.8	6196.7	6182.0	6185.6	6182.0	6193.0	6244.4	6292.2
20°	6340.0	6347.4	6277.5	6196.7	6182.0	6185.6	6182.0	6204.0	6270.2	6336.3
22.5°	6351.0	6358.4	6292.2	6222.4	6211.4	6215.0	6211.4	6233.4	6295.9	6362.1
25°	6354.7	6365.7	6314.3	6259.1	6277.5	6284.9	6277.5	6281.2	6329.0	6387.8
27.5°	6409.8	6424.5	6376.8	6329.0	6340.0	6336.3	6347.4	6358.4	6395.1	6453.9
30°	6523.8	6534.8	6494.4	6446.6	6439.2	6413.5	6446.6	6483.3	6523.8	6575.2
32.5°	6711.2	6733.3	6681.8	6630.4	6597.3	6582.6	6608.3	6670.8	6725.9	6781.0
35°	7023.6	7038.3	6990.5	6895.0	6836.2	6836.2	6858.2	6939.1	7027.3	7097.1
37.5°	7464.7	7483.0	7398.5	7284.6	7196.4	7196.4	7225.8	7310.3	7442.6	7541.9
40°	8001.3	8027.0	7920.4	7802.8	7718.3	7703.6	7740.3	7835.9	7960.8	8085.8
42.5°	8648.1	8677.5	8537.9	8435.0	8368.8	8368.8	8387.2	8475.4	8589.3	8743.7
45°	9475.1	9526.5	9335.4	9232.5	9170.0	9184.7	9195.8	9272.9	9375.9	9552.3
47.5°	10460.1	10511.5	10309.4	10202.8	10191.8	10261.6	10217.5	10272.6	10327.8	10529.9
50°	11577.4	11665.6	11525.9	11518.6	11540.6	11669.3	11566.4	11595.8	11533.3	11661.9
52.5°	12944.6	13073.3	13047.5	13091.7	13337.9	13602.5	13367.3	13264.4	13029.2	13069.6
55°	14602.2	14797.0	14833.8	15098.4	15657.1	16197.3	15697.5	15282.2	14782.3	14690.4
57.5°	16487.7	16642.1	16818.5	17358.8	18402.6	19361.8	18402.6	17483.7	16697.2	16509.7
60°	18516.5	18707.6	18876.7	19674.2	21225.2	22574.1	21195.8	19736.7	18696.6	18443.0
62.5°	20696.0	20942.2	21059.8	21945.6	23753.9	25363.7	23779.6	22011.8	20857.7	20585.7
65°	22787.3	22989.4	23121.7	24066.3	25793.7	27407.2	25911.3	24169.2	22982.1	22625.6
67.5°	23761.2	23871.5	24194.9	25264.5	27087.4	28928.8	27396.2	25378.4	24051.6	23426.8
70°	22335.2	22111.0	22890.2	24602.9	27241.8	29862.3	27594.6	24551.4	22926.9	21912.5
72.5°	17259.5	16873.6	18226.1	21155.4	25477.6	29266.9	25654.1	21320.8	19067.8	17009.6
75°	9390.6	8953.2	10820.3	14525.0	20317.4	25367.4	20784.2	14940.4	12047.8	9320.7
77.5°	2649.9	2484.5	3991.4	7027.3	12220.6	17810.8	12691.0	7181.7	4733.9	2808.0
80°	812.3	786.5	1065.9	2117.0	5189.6	8530.5	4987.5	2142.7	1356.2	856.4
82.5°	481.5	441.0	529.3	771.8	1323.1	2679.3	1286.4	804.9	646.9	433.7
85°	275.7	257.3	312.4	374.9	444.7	569.7	371.2	382.2	345.5	231.5
87.5°	113.9	102.9	121.3	117.6	102.9	132.3	99.2	117.6	139.7	91.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6450.3
6428.2
6347.4
6259.1
6218.7
6218.7
6244.4
6292.2
6340.0
6362.1
6384.1
6439.2
6564.2
6759.0
7071.4
7505.1
8045.4
8732.7
9544.9
10471.1
11584.8
12933.6
14547.1
16377.4
18222.5
20365.2
22449.1
23434.1
22155.1
17520.5
9927.2
3120.4
904.1
470.4
242.6
84.5
0.0

OF REPORT)