

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: P851661

Luminaire Tested: **GLAN-SB9D-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851661
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-SB9D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 90564 lumens
Efficiency: N/A
Efficacy: 137.6 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

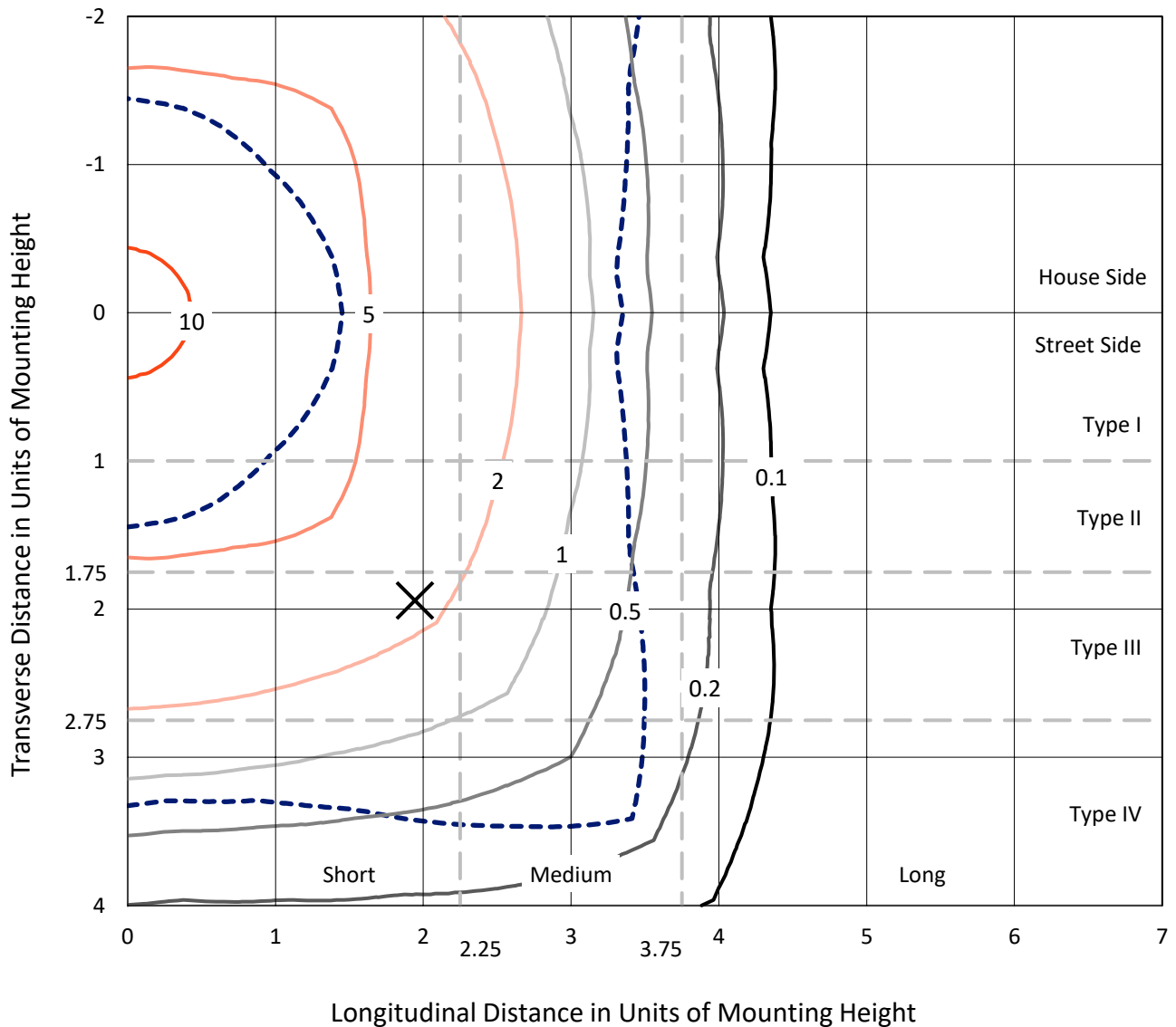
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

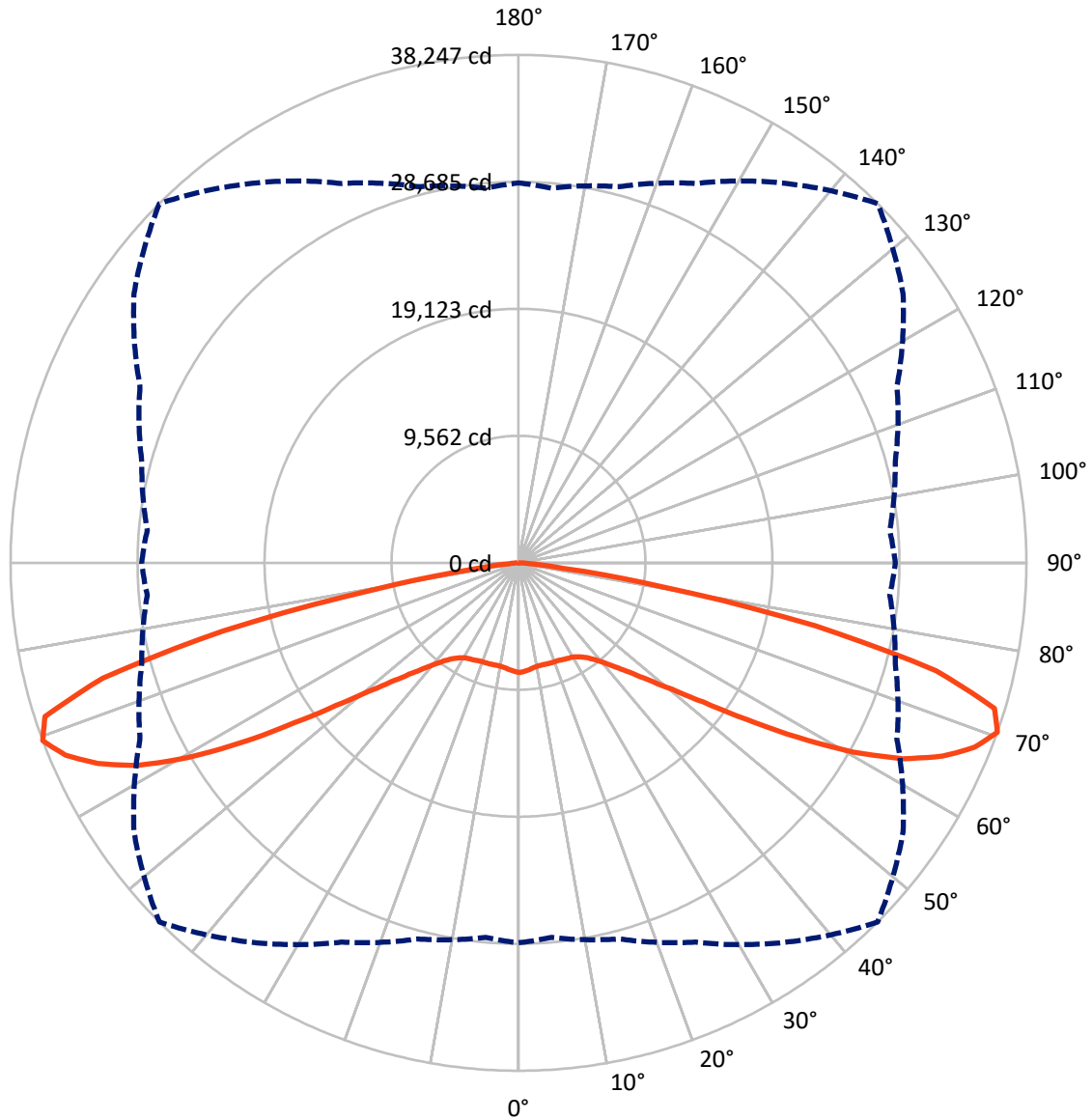
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	45282.0	0.0	45282.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	45282.0	0.0	45282.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	90564.0	0.0	90564.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	768.5	0.8
10°-20°	2256.5	2.5
20°-30°	3755.1	4.1
30°-40°	5678.9	6.3
40°-50°	9436.9	10.4
50°-60°	17807.1	19.7
60°-70°	30068.1	33.2
70°-80°	19757.8	21.8
80°-90°	1035.1	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°	90564.0	100.0
0°-180°	90564.0	100.0

Coefficient of Utilization



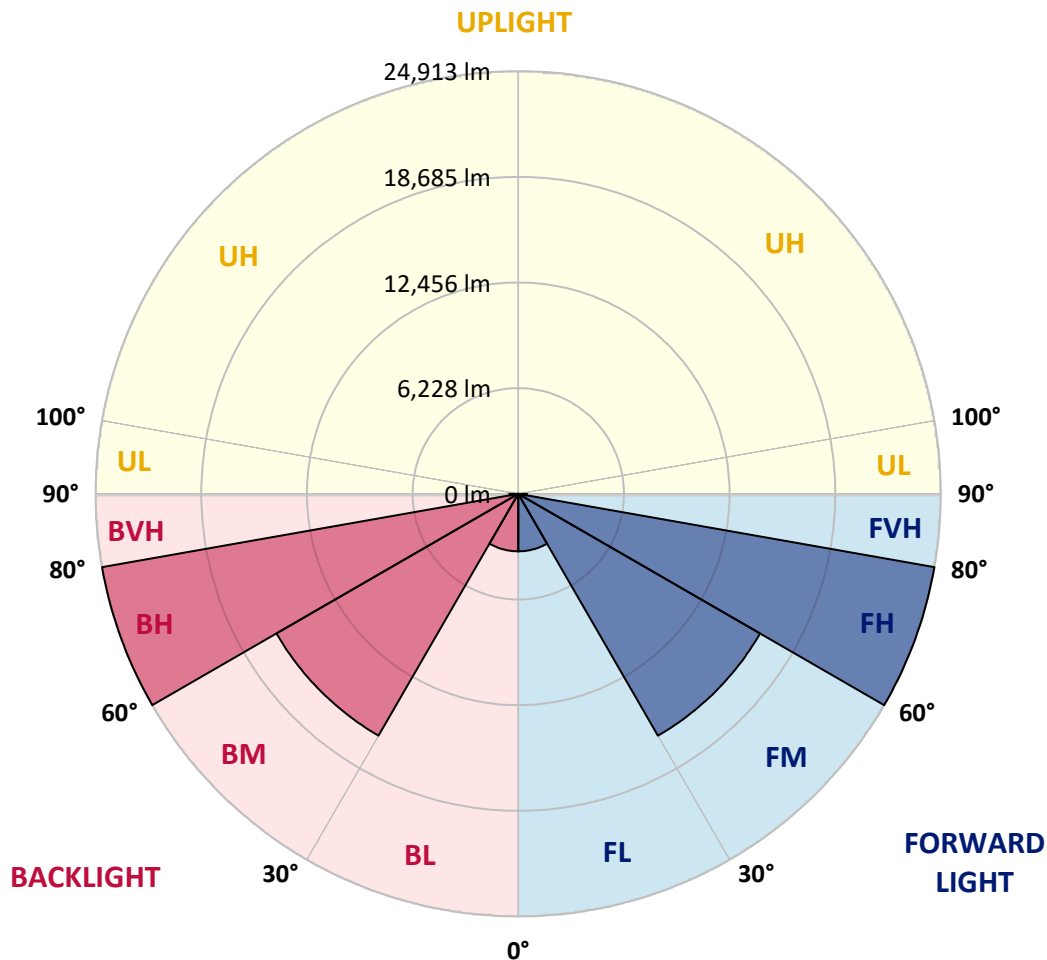
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3390.0	3.7			
FM (30°-60°)	16461.5	18.2			
FH (60°-80°)	24912.9	27.5			G5
FVH (80°-90°)	517.6	0.6			G4/750
BL (0°-30°)	3390.0	3.7	B4/5000		
BM (30°-60°)	16461.5	18.2	B5		
BH (60°-80°)	24912.9	27.5	B5		G5
BVH (80°-90°)	517.6	0.6			G4/750
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°	8261.3	8261.3	8261.3	8261.3	8261.3	8261.3	8261.3	8261.3	8261.3	8261.3
2.5°	8209.5	8233.0	8223.6	8204.8	8204.8	8190.7	8204.8	8214.2	8228.3	8237.7
5°	8101.2	8120.0	8115.3	8101.2	8105.9	8091.8	8101.2	8115.3	8124.7	8129.5
7.5°	8007.1	8025.9	8016.5	7992.9	7992.9	7978.8	7983.5	7997.7	8011.8	8016.5
10°	7983.5	8002.4	7974.1	7936.5	7922.3	7903.5	7908.2	7922.3	7950.6	7964.7
12.5°	7992.9	8007.1	7978.8	7922.3	7908.2	7889.4	7889.4	7903.5	7941.2	7960.0
15°	8021.2	8035.3	7992.9	7931.8	7917.6	7903.5	7898.8	7917.6	7960.0	7992.9
17.5°	8073.0	8087.1	8021.2	7936.5	7917.6	7922.3	7917.6	7931.8	7997.7	8058.8
20°	8120.0	8129.5	8040.0	7936.5	7917.6	7922.3	7917.6	7945.9	8030.6	8115.3
22.5°	8134.2	8143.6	8058.8	7969.4	7955.3	7960.0	7955.3	7983.5	8063.6	8148.3
25°	8138.9	8153.0	8087.1	8016.5	8040.0	8049.4	8040.0	8044.7	8105.9	8181.2
27.5°	8209.5	8228.3	8167.1	8105.9	8120.0	8115.3	8129.5	8143.6	8190.7	8266.0
30°	8355.4	8369.5	8317.7	8256.6	8247.1	8214.2	8256.6	8303.6	8355.4	8421.3
32.5°	8595.5	8623.7	8557.8	8491.9	8449.6	8430.7	8463.7	8543.7	8614.3	8684.9
35°	8995.6	9014.4	8953.2	8830.8	8755.5	8755.5	8783.8	8887.3	9000.3	9089.7
37.5°	9560.5	9584.0	9475.7	9329.8	9216.8	9216.8	9254.5	9362.8	9532.2	9659.3
40°	10247.7	10280.7	10144.2	9993.5	9885.3	9866.4	9913.5	10035.9	10195.9	10356.0
42.5°	11076.2	11113.9	10935.0	10803.2	10718.5	10718.5	10742.0	10855.0	11000.9	11198.6
45°	12135.3	12201.2	11956.5	11824.7	11744.6	11763.5	11777.6	11876.4	12008.2	12234.2
47.5°	13396.9	13462.8	13203.9	13067.4	13053.3	13142.7	13086.2	13156.8	13227.4	13486.3
50°	14827.9	14940.9	14762.0	14752.6	14780.8	14945.6	14813.8	14851.4	14771.4	14936.2
52.5°	16579.0	16743.8	16710.8	16767.3	17082.7	17421.6	17120.3	16988.5	16687.3	16739.1
55°	18702.0	18951.5	18998.5	19337.5	20053.0	20744.9	20104.8	19572.8	18932.6	18815.0
57.5°	21116.8	21314.5	21540.5	22232.4	23569.3	24797.9	23569.3	22392.5	21385.1	21145.1
60°	23715.2	23960.0	24176.5	25198.0	27184.5	28912.1	27146.8	25278.0	23945.9	23621.1
62.5°	26506.6	26822.0	26972.7	28107.1	30423.1	32484.9	30456.0	28191.8	26713.8	26365.4
65°	29185.1	29444.0	29613.4	30823.2	33035.6	35102.1	33186.3	30955.0	29434.6	28978.0
67.5°	30432.5	30573.7	30988.0	32357.8	34692.6	37050.9	35088.0	32503.7	30804.4	30004.1
70°	28606.1	28318.9	29316.9	31510.5	34890.3	38246.6	35342.2	31444.6	29364.0	28064.7
72.5°	22105.3	21611.1	23343.4	27095.1	32630.8	37484.0	32856.7	27306.9	24421.3	21785.2
75°	12027.1	11466.9	13858.2	18603.1	26021.8	32489.6	26619.6	19135.1	15430.4	11937.6
77.5°	3393.9	3182.1	5112.1	9000.3	15651.7	22811.4	16254.2	9198.0	6063.0	3596.4
80°	1040.3	1007.4	1365.1	2711.4	6646.7	10925.6	6387.8	2744.3	1737.0	1096.8
82.5°	616.7	564.9	677.8	988.5	1694.6	3431.6	1647.5	1030.9	828.5	555.5
85°	353.0	329.5	400.1	480.1	569.6	729.6	475.4	489.6	442.5	296.6
87.5°	145.9	131.8	155.3	150.6	131.8	169.5	127.1	150.6	178.9	117.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8261.3
8233.0
8129.5
8016.5
7964.7
7964.7
7997.7
8058.8
8120.0
8148.3
8176.5
8247.1
8407.2
8656.7
9056.8
9612.2
10304.2
11184.5
12224.8
13411.0
14837.3
16564.9
18631.4
20975.6
23338.6
26083.0
28752.0
30013.6
28375.4
22439.6
12714.3
3996.5
1158.0
602.5
310.7
108.3
0.0

OF REPORT)