

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: P846231

Luminaire Tested: **GLAN-SB1D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846231
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-SB1D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10104 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

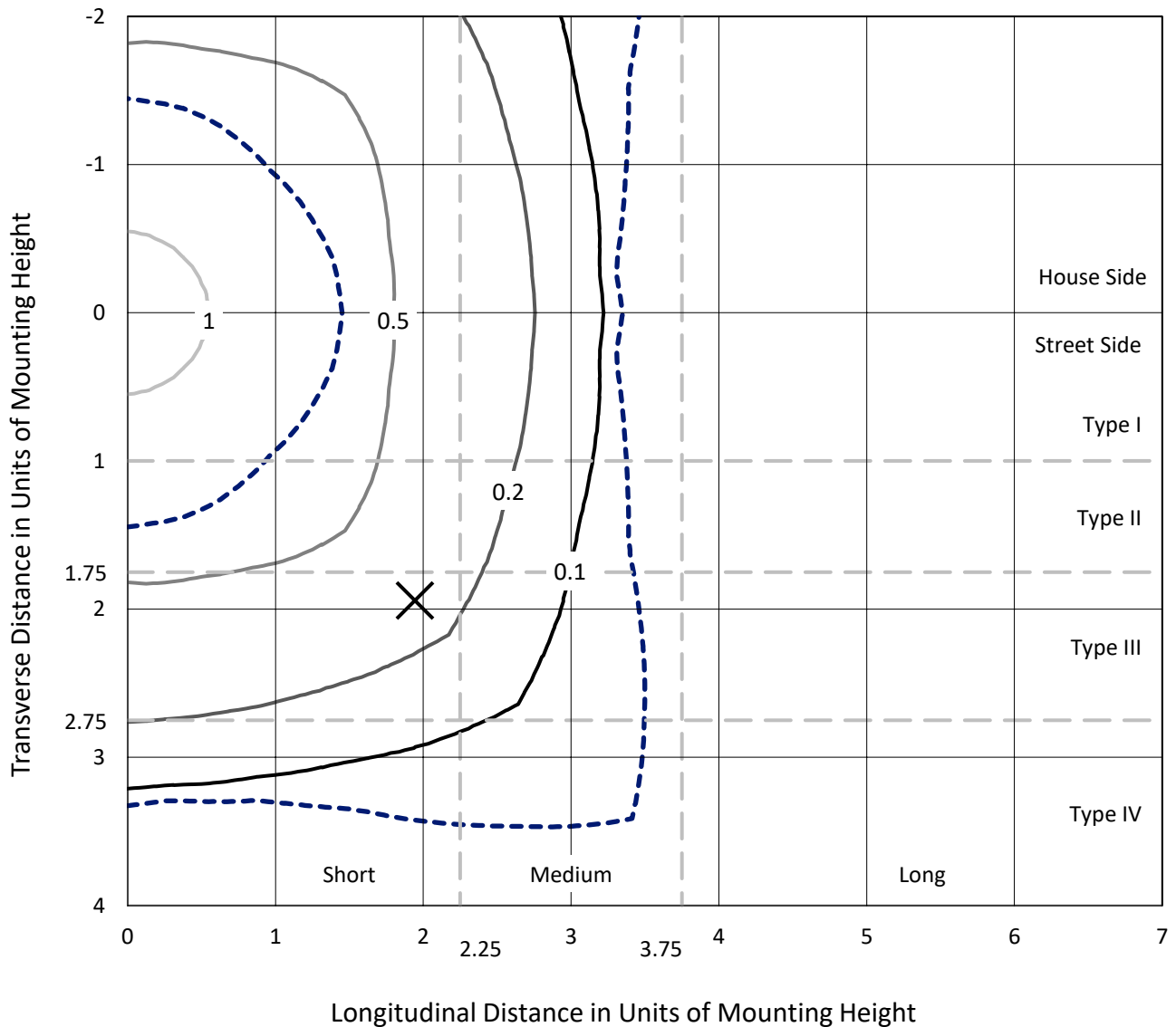
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

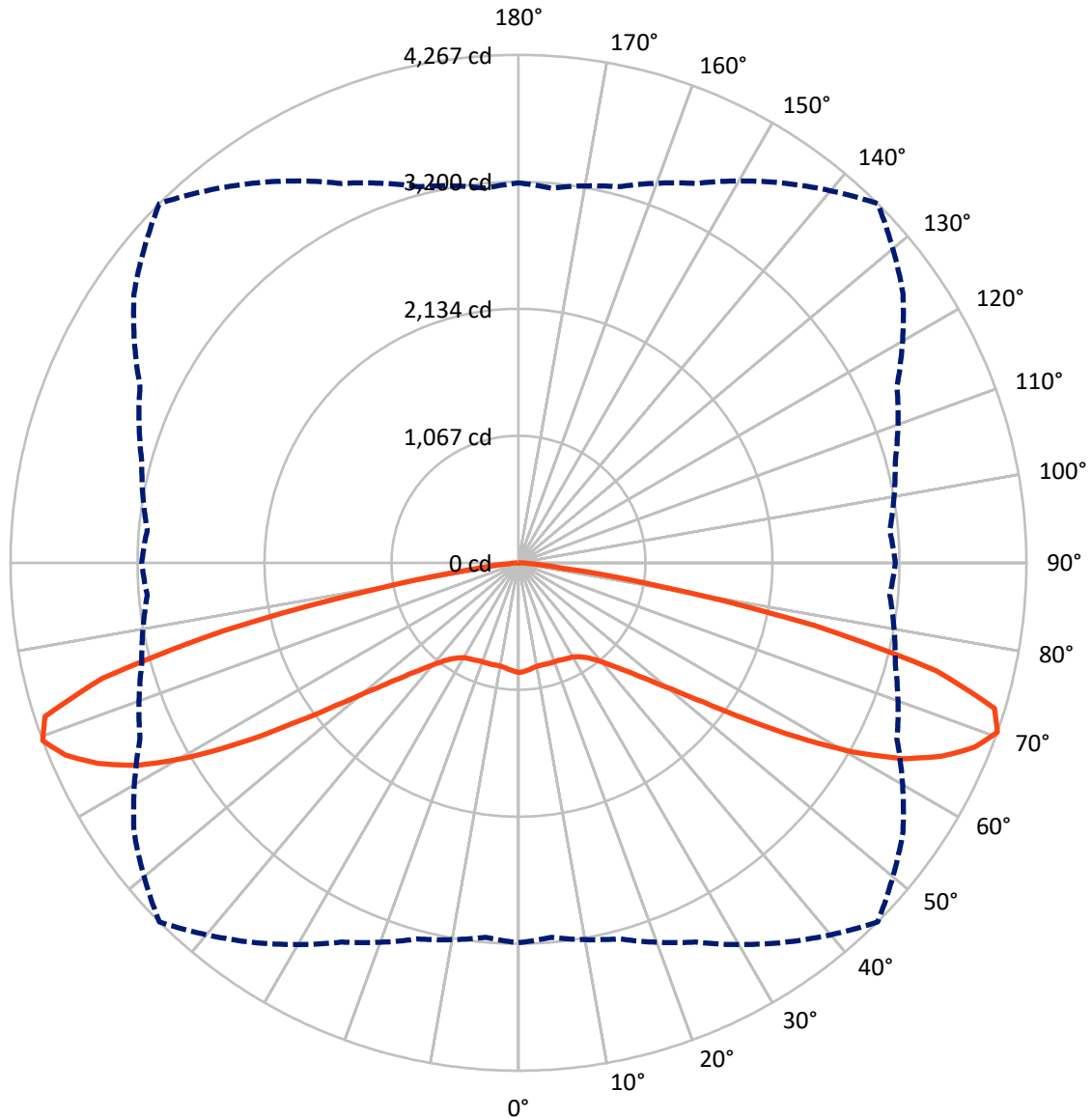
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	5052.0	0.0	5052.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5052.0	0.0	5052.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10104.0	0.0	10104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	0.8
10°-20°	251.8	2.5
20°-30°	419.0	4.1
30°-40°	633.6	6.3
40°-50°	1052.9	10.4
50°-60°	1986.7	19.7
60°-70°	3354.6	33.2
70°-80°	2204.3	21.8
80°-90°	115.5	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°	10104.0	100.0
0°-180°	10104.0	100.0

Coefficient of Utilization



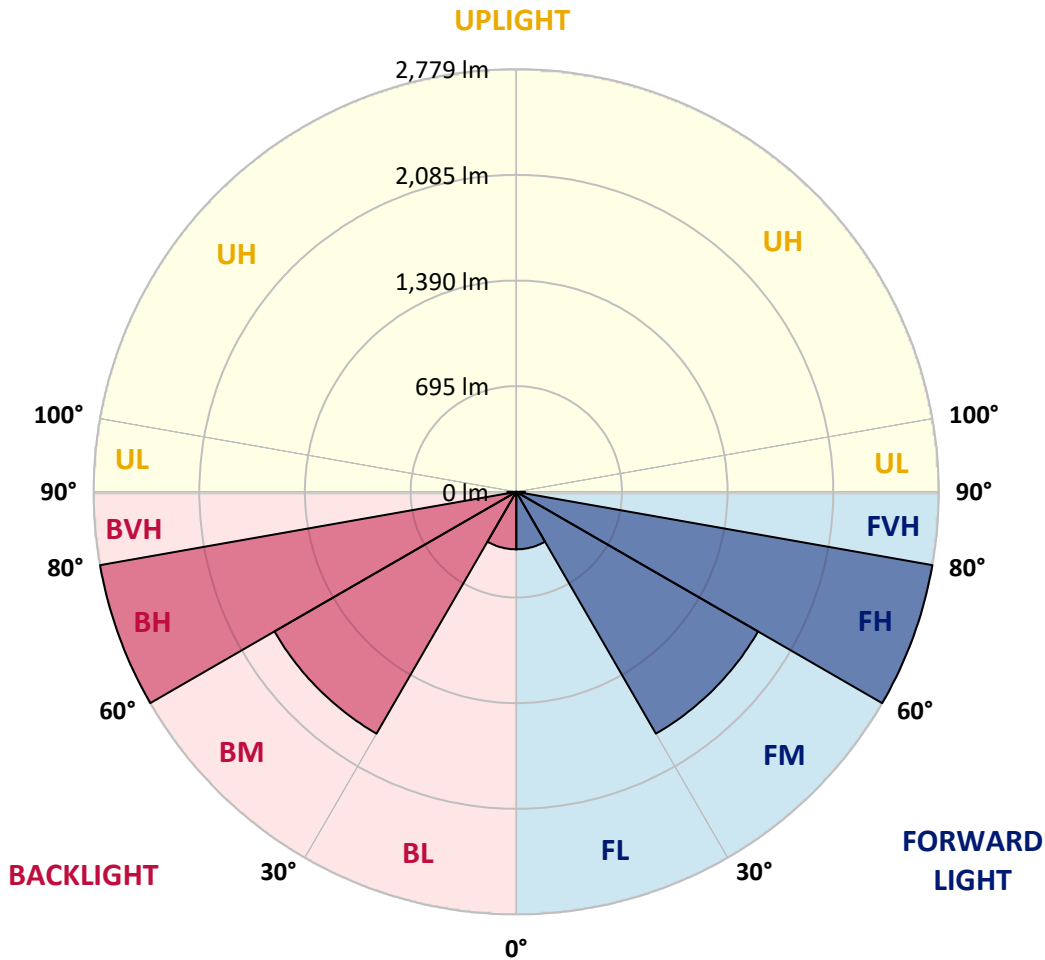
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.2	3.7			
FM (30°-60°)	1836.6	18.2			
FH (60°-80°)	2779.5	27.5			G2/5000
FVH (80°-90°)	57.7	0.6			G1/100
BL (0°-30°)	378.2	3.7	B1/500		
BM (30°-60°)	1836.6	18.2	B2/2500		
BH (60°-80°)	2779.5	27.5	B4/5000		G2/5000
BVH (80°-90°)	57.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7	921.7
2.5°	915.9	918.5	917.5	915.4	915.4	913.8	915.4	916.4	918.0	919.1
5°	903.8	905.9	905.4	903.8	904.4	902.8	903.8	905.4	906.5	907.0
7.5°	893.3	895.4	894.4	891.8	891.8	890.2	890.7	892.3	893.9	894.4
10°	890.7	892.8	889.7	885.5	883.9	881.8	882.3	883.9	887.0	888.6
12.5°	891.8	893.3	890.2	883.9	882.3	880.2	880.2	881.8	886.0	888.1
15°	894.9	896.5	891.8	884.9	883.4	881.8	881.2	883.4	888.1	891.8
17.5°	900.7	902.3	894.9	885.5	883.4	883.9	883.4	884.9	892.3	899.1
20°	905.9	907.0	897.0	885.5	883.4	883.9	883.4	886.5	896.0	905.4
22.5°	907.5	908.6	899.1	889.1	887.6	888.1	887.6	890.7	899.6	909.1
25°	908.0	909.6	902.3	894.4	897.0	898.1	897.0	897.5	904.4	912.8
27.5°	915.9	918.0	911.2	904.4	905.9	905.4	907.0	908.6	913.8	922.2
30°	932.2	933.8	928.0	921.2	920.1	916.4	921.2	926.4	932.2	939.5
32.5°	959.0	962.1	954.8	947.4	942.7	940.6	944.3	953.2	961.1	969.0
35°	1003.6	1005.7	998.9	985.2	976.8	976.8	980.0	991.5	1004.1	1014.1
37.5°	1066.6	1069.3	1057.2	1040.9	1028.3	1028.3	1032.5	1044.6	1063.5	1077.7
40°	1143.3	1147.0	1131.8	1115.0	1102.9	1100.8	1106.0	1119.7	1137.5	1155.4
42.5°	1235.7	1239.9	1220.0	1205.3	1195.8	1195.8	1198.5	1211.1	1227.3	1249.4
45°	1353.9	1361.3	1334.0	1319.2	1310.3	1312.4	1314.0	1325.0	1339.7	1364.9
47.5°	1494.7	1502.0	1473.1	1457.9	1456.3	1466.3	1460.0	1467.9	1475.8	1504.6
50°	1654.3	1666.9	1647.0	1645.9	1649.1	1667.4	1652.7	1656.9	1648.0	1666.4
52.5°	1849.7	1868.1	1864.4	1870.7	1905.9	1943.7	1910.1	1895.4	1861.8	1867.5
55°	2086.5	2114.4	2119.6	2157.4	2237.3	2314.5	2243.0	2183.7	2112.3	2099.1
57.5°	2356.0	2378.0	2403.2	2480.4	2629.6	2766.6	2629.6	2498.3	2385.9	2359.1
60°	2645.8	2673.2	2697.3	2811.3	3032.9	3225.6	3028.7	2820.2	2671.6	2635.3
62.5°	2957.3	2992.5	3009.3	3135.8	3394.2	3624.3	3397.9	3145.3	2980.4	2941.5
65°	3256.1	3285.0	3303.9	3438.9	3685.7	3916.3	3702.5	3453.6	3283.9	3233.0
67.5°	3395.3	3411.0	3457.2	3610.1	3870.6	4133.7	3914.7	3626.4	3436.8	3347.5
70°	3191.5	3159.5	3270.8	3515.5	3892.6	4267.1	3943.0	3508.2	3276.1	3131.1
72.5°	2466.2	2411.1	2604.4	3022.9	3640.5	4182.0	3665.7	3046.6	2724.6	2430.5
75°	1341.8	1279.3	1546.1	2075.5	2903.2	3624.8	2969.9	2134.9	1721.5	1331.9
77.5°	378.7	355.0	570.3	1004.1	1746.2	2545.0	1813.4	1026.2	676.4	401.2
80°	116.1	112.4	152.3	302.5	741.6	1218.9	712.7	306.2	193.8	122.4
82.5°	68.8	63.0	75.6	110.3	189.1	382.9	183.8	115.0	92.4	62.0
85°	39.4	36.8	44.6	53.6	63.5	81.4	53.0	54.6	49.4	33.1
87.5°	16.3	14.7	17.3	16.8	14.7	18.9	14.2	16.8	20.0	13.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
921.7
918.5
907.0
894.4
888.6
888.6
892.3
899.1
905.9
909.1
912.2
920.1
938.0
965.8
1010.4
1072.4
1149.6
1247.8
1363.9
1496.2
1655.4
1848.1
2078.7
2340.2
2603.8
2910.0
3207.8
3348.5
3165.8
2503.5
1418.5
445.9
129.2
67.2
34.7
12.1
0.0

OF REPORT)