

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: P846444

Luminaire Tested: **GLAN-SB2A-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7076 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

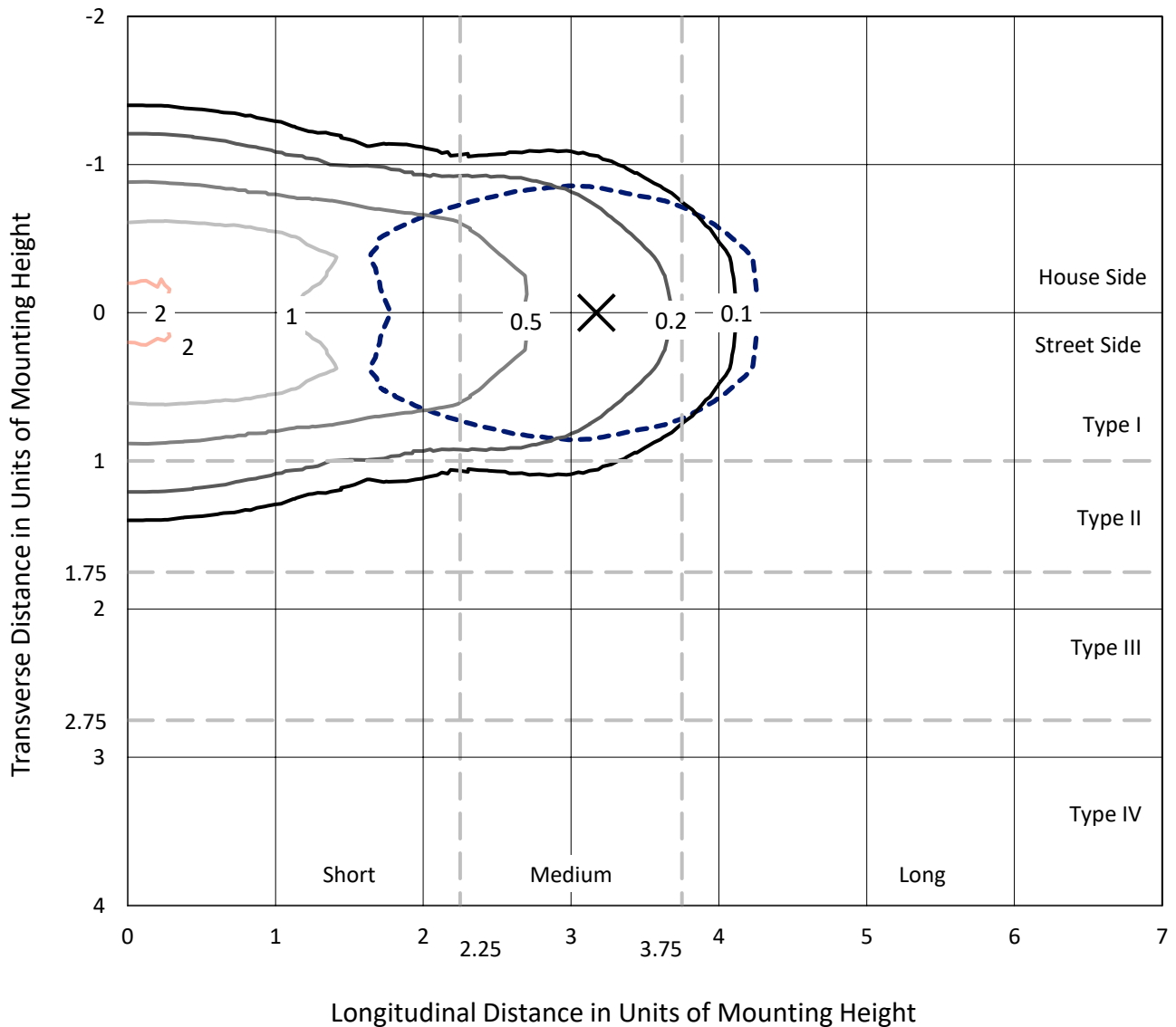
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

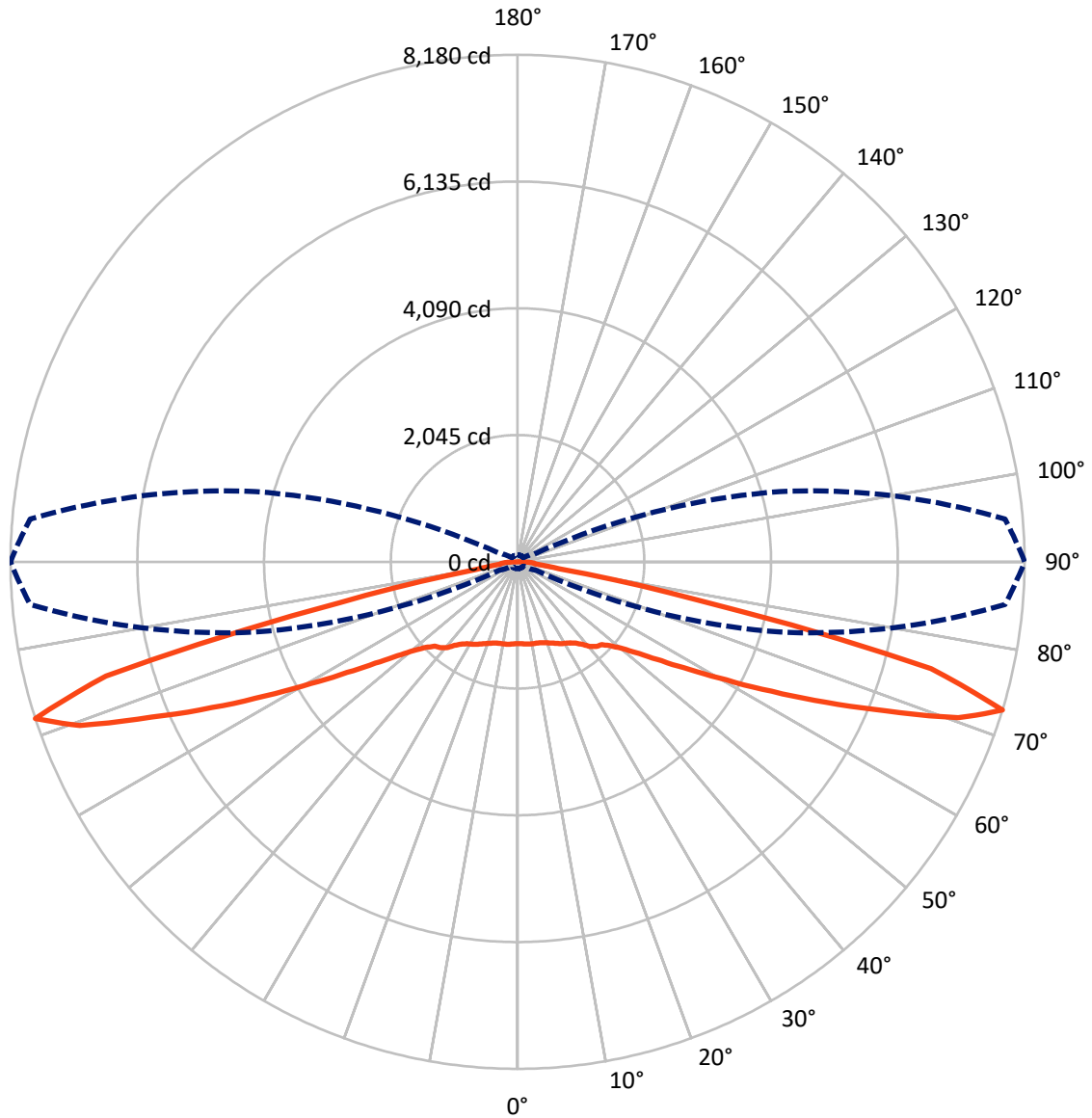
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3538.0	0.0	3538.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3538.0	0.0	3538.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7076.0	0.0	7076.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	1.8
10°-20°	392.0	5.5
20°-30°	653.6	9.2
30°-40°	898.9	12.7
40°-50°	1097.9	15.5
50°-60°	1269.8	17.9
60°-70°	1514.0	21.4
70°-80°	1056.7	14.9
80°-90°	64.9	0.9
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°	7076.0	100.0
0°-180°	7076.0	100.0

Coefficient of Utilization



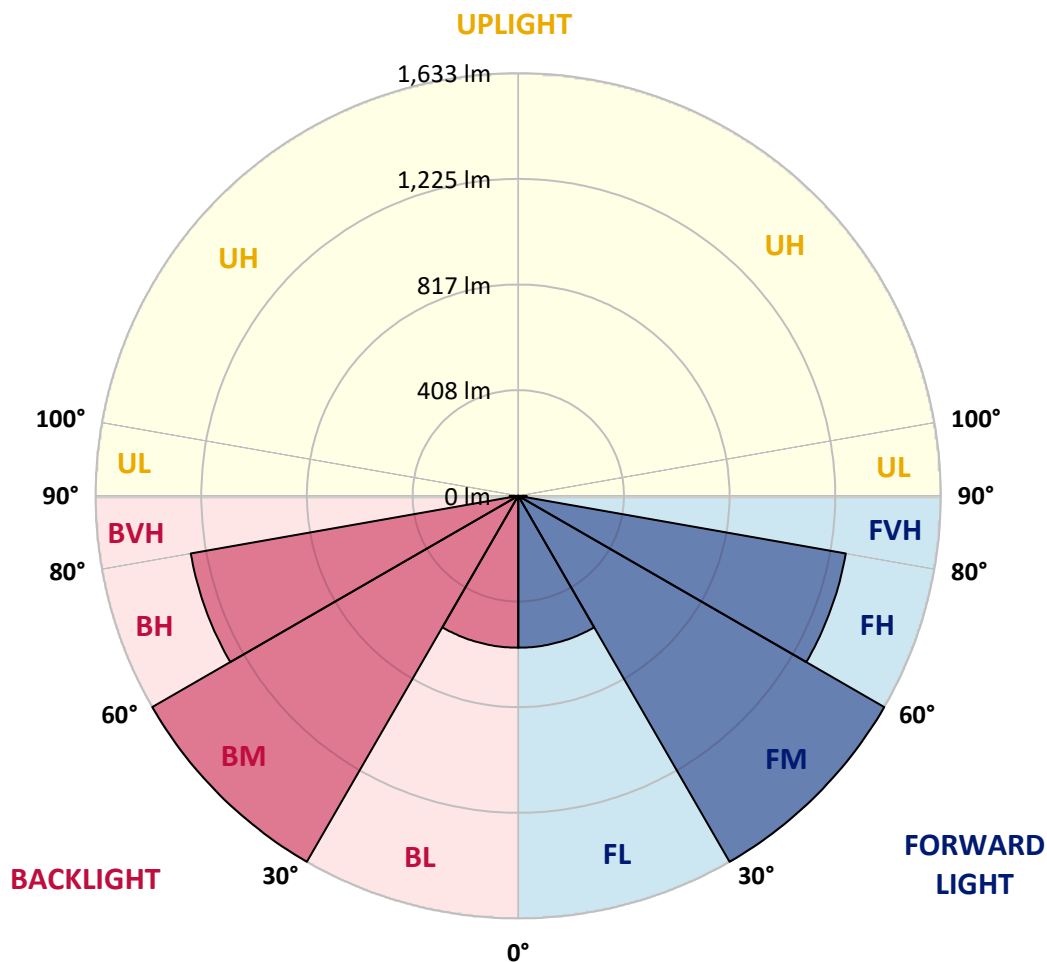
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.9	8.3			
FM (30°-60°)	1633.3	23.1			
FH (60°-80°)	1285.3	18.2			G1/1800
FVH (80°-90°)	32.5	0.5			G1/100
BL (0°-30°)	586.9	8.3	B2/1000		
BM (30°-60°)	1633.3	23.1	B2/2500		
BH (60°-80°)	1285.3	18.2	B3/2500		G3/2500
BVH (80°-90°)	32.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1322.2	1322.2	1322.2	1322.2	1322.2	1322.2	1322.2	1322.2	1322.2	1322.2
2.5°	1323.4	1324.9	1324.9	1323.7	1326.4	1324.1	1324.1	1323.0	1324.1	1323.0
5°	1330.1	1332.0	1332.8	1332.4	1335.8	1333.9	1333.9	1332.4	1332.8	1331.6
7.5°	1342.9	1345.5	1347.0	1348.9	1353.8	1351.6	1350.1	1345.5	1343.7	1340.7
10°	1347.0	1350.1	1354.9	1364.7	1376.0	1376.4	1371.9	1360.6	1351.9	1345.2
12.5°	1334.3	1338.4	1348.5	1368.5	1393.7	1403.8	1396.7	1377.9	1361.0	1348.9
15°	1318.1	1322.6	1338.0	1368.1	1405.3	1429.0	1428.3	1403.5	1376.4	1357.6
17.5°	1292.9	1297.4	1319.6	1361.7	1414.4	1453.5	1464.0	1438.4	1400.4	1375.2
20°	1247.4	1251.5	1282.4	1341.4	1417.4	1479.4	1506.9	1484.3	1436.9	1402.7
22.5°	1188.3	1194.7	1230.8	1306.4	1410.2	1506.5	1555.8	1540.3	1479.4	1432.0
25°	1125.2	1131.9	1174.1	1263.6	1391.8	1526.0	1613.7	1603.9	1527.6	1468.5
27.5°	1070.6	1077.8	1123.7	1221.1	1363.2	1533.6	1670.8	1675.7	1585.8	1508.8
30°	1027.8	1034.5	1083.4	1186.8	1326.4	1526.0	1720.8	1754.7	1645.3	1543.7
32.5°	980.8	989.4	1040.9	1145.1	1282.7	1508.0	1764.5	1840.1	1714.1	1581.3
35°	921.3	929.2	983.4	1087.9	1225.6	1479.0	1800.9	1934.8	1812.6	1638.5
37.5°	849.1	856.7	910.4	1016.5	1168.8	1438.4	1828.8	2041.6	1929.9	1720.8
40°	776.6	783.7	834.1	936.8	1100.7	1386.5	1838.6	2146.2	2064.6	1834.0
42.5°	710.0	716.4	762.6	858.2	1024.4	1320.3	1825.8	2237.2	2185.3	1913.0
45°	648.7	654.3	695.3	784.5	945.0	1239.9	1787.4	2335.0	2328.9	1969.4
47.5°	578.8	584.4	626.9	713.0	865.7	1145.5	1722.4	2431.2	2528.6	2097.3
50°	493.4	498.3	541.9	630.7	783.3	1045.1	1632.1	2506.8	2780.6	2291.0
52.5°	392.2	397.5	440.0	528.7	685.6	937.1	1513.3	2556.1	3071.7	2573.8
55°	291.8	295.6	332.4	412.2	564.5	814.2	1364.3	2570.0	3401.8	2960.3
57.5°	211.7	214.0	237.7	297.1	428.0	660.4	1183.5	2533.9	3794.8	3456.0
60°	171.5	172.2	179.4	205.7	297.5	486.6	965.0	2409.8	4221.3	4094.9
62.5°	155.7	155.7	157.6	164.7	201.2	321.2	700.6	2152.6	4678.6	4902.3
65°	144.8	144.8	145.5	148.9	158.7	204.6	442.2	1733.6	5064.0	5848.1
67.5°	135.0	135.4	135.0	136.1	141.8	151.2	256.5	1197.4	5271.6	6828.1
70°	124.9	125.6	123.7	123.7	128.2	128.6	160.6	656.6	5099.4	7649.4
72.5°	112.8	113.9	110.9	110.2	113.6	112.1	120.7	315.1	4378.1	7894.6
75°	102.3	103.8	97.0	95.1	95.1	94.0	98.2	161.7	2841.5	6440.0
77.5°	92.9	95.9	85.0	79.0	77.5	74.1	80.1	98.9	1242.9	3023.5
80°	76.7	80.9	69.9	62.8	60.2	56.4	63.2	69.2	369.7	702.1
82.5°	57.2	59.0	49.6	44.8	42.5	39.9	47.4	48.1	120.3	248.6
85°	36.5	37.2	30.5	26.3	25.2	24.1	30.1	26.3	45.9	182.8
87.5°	12.8	14.7	11.7	10.5	11.3	9.4	13.9	7.9	12.8	129.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1322.2
1323.0
1331.6
1340.7
1344.0
1347.0
1354.6
1371.1
1396.3
1423.4
1456.5
1496.0
1525.3
1558.0
1612.5
1686.3
1797.2
1865.6
1905.5
2023.6
2198.4
2459.8
2817.8
3276.6
3868.9
4599.6
5465.3
6414.8
7540.7
8180.4
6888.3
2960.7
672.4
280.9
265.5
159.8
0.0

OF REPORT)