

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: P653138

Luminaire Tested: **GLAN-SA1D-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3951 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

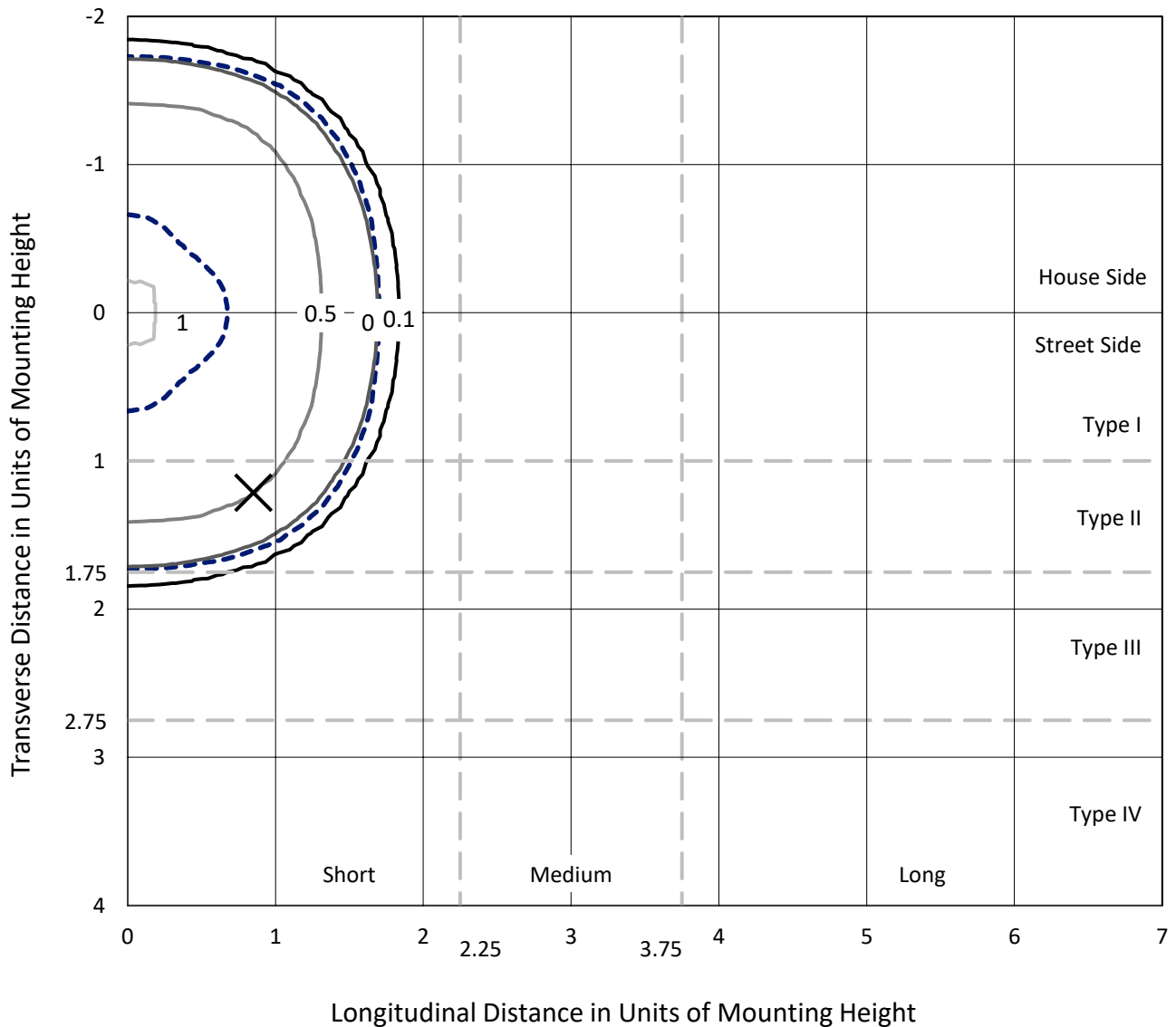
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

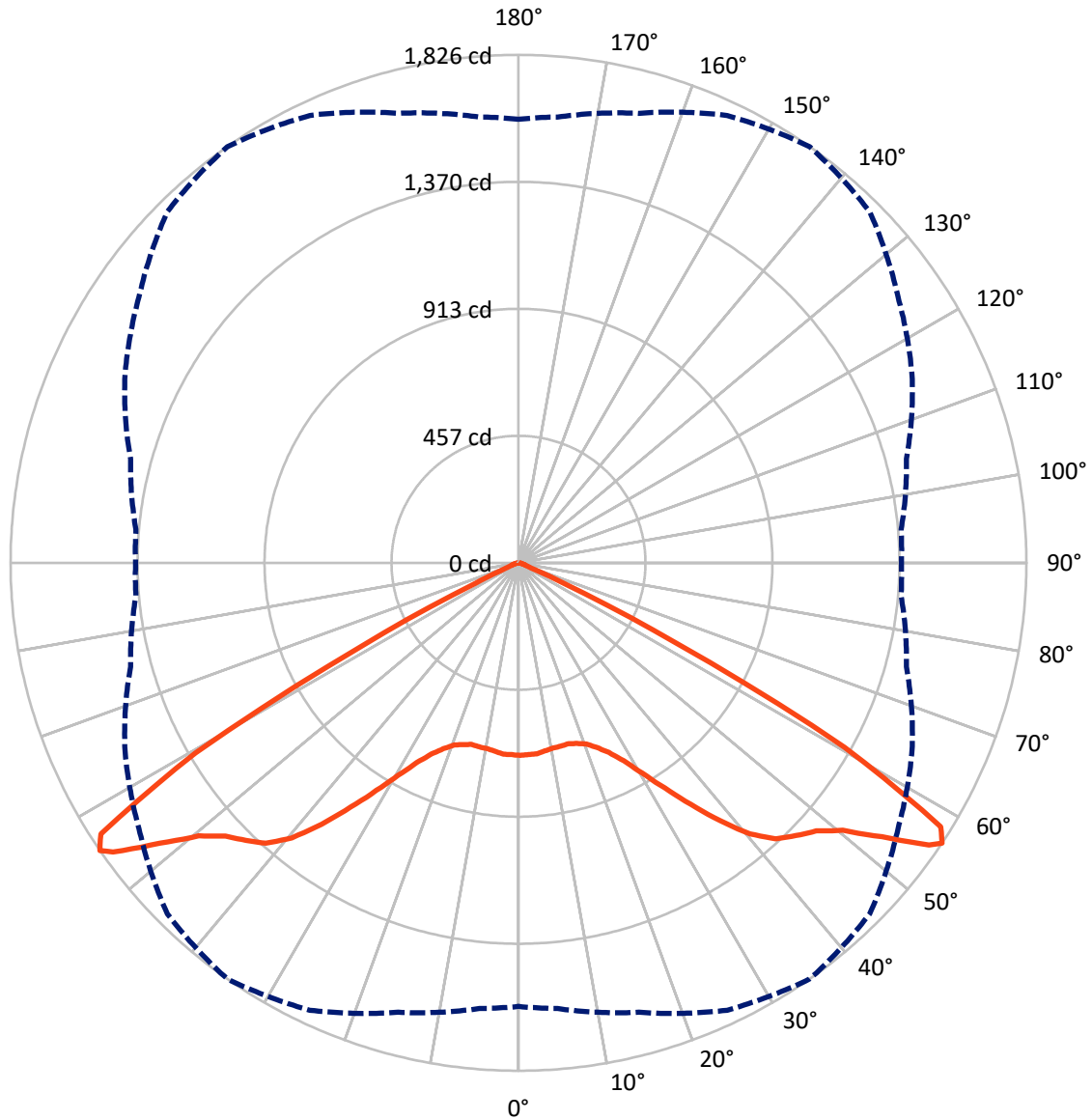
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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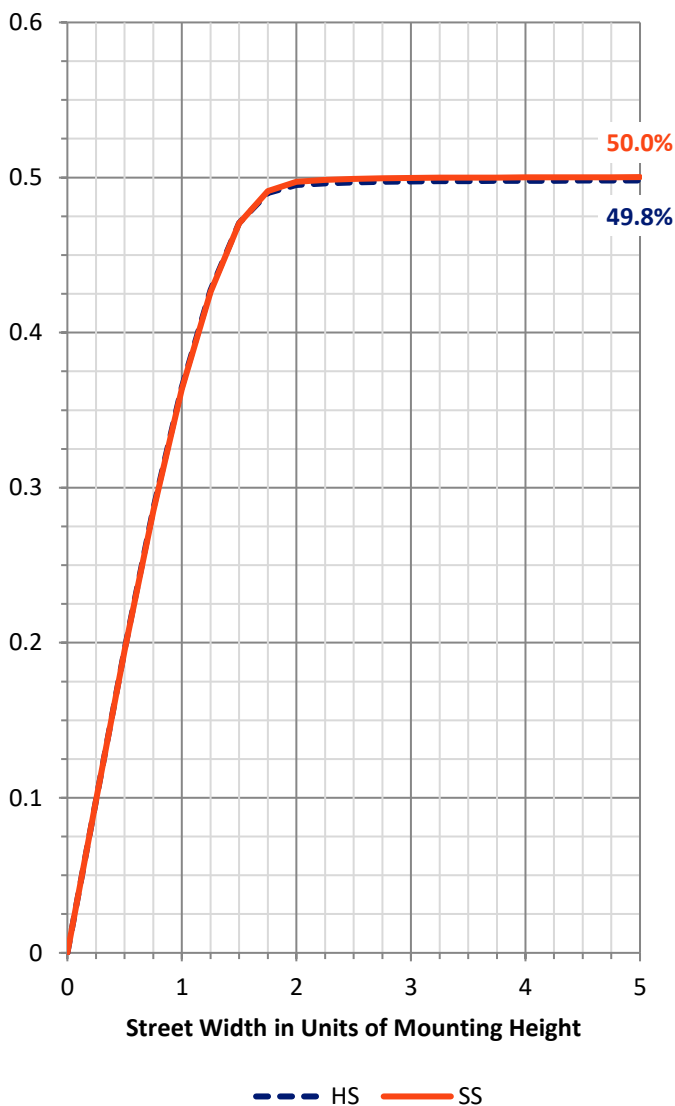
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1975.5	0.0	1975.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1975.5	0.0	1975.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3951.0	0.0	3951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.6
10°-20°	190.0	4.8
20°-30°	344.0	8.7
30°-40°	637.9	16.1
40°-50°	1047.1	26.5
50°-60°	1348.9	34.1
60°-70°	297.3	7.5
70°-80°	17.3	0.4
80°-90°	3.6	0.1
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°	3951.0	100.0
0°-180°	3951.0	100.0

Coefficient of Utilization

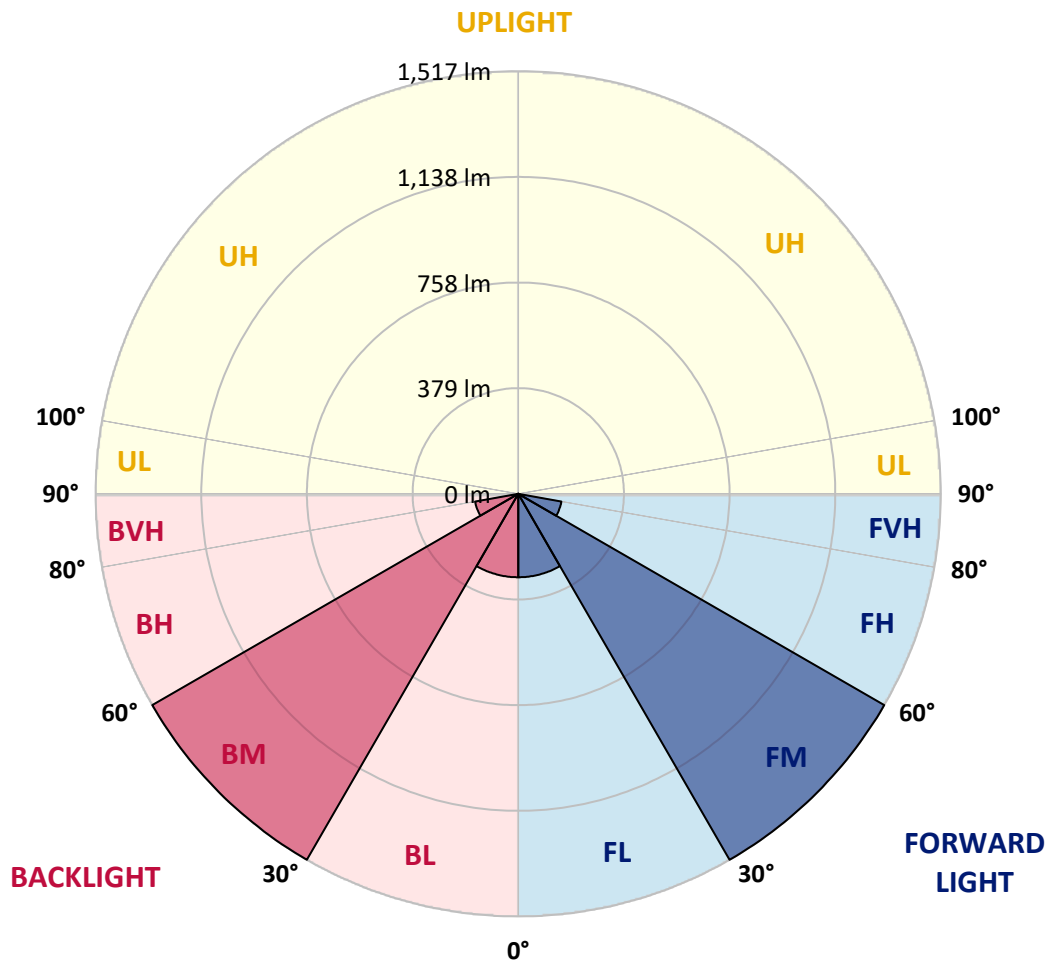


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.5	7.6			
FM (30°-60°)	1516.9	38.4			
FH (60°-80°)	157.3	4.0			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	299.5	7.6	B1/500		
BM (30°-60°)	1516.9	38.4	B2/2500		
BH (60°-80°)	157.3	4.0	B1/500		G0/660
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3
2.5°	693.7	693.7	694.4	695.2	690.1	688.0	688.7	687.3	686.6	688.7	688.7
5°	691.6	691.6	689.5	690.1	690.1	683.7	683.7	685.2	685.2	680.9	679.4
7.5°	685.8	684.4	681.5	685.2	683.0	683.0	678.0	674.4	673.0	675.8	673.0
10°	673.7	674.4	677.3	678.7	677.3	681.5	673.0	667.9	663.0	660.8	660.8
12.5°	667.9	672.3	667.9	671.5	676.6	673.0	667.9	664.4	657.2	654.4	654.4
15°	667.2	670.1	671.5	676.6	674.4	675.8	665.8	661.5	650.8	645.8	643.6
17.5°	666.5	670.1	672.3	681.5	683.0	683.7	675.8	663.0	653.6	648.7	643.6
20°	674.4	675.8	680.1	689.5	695.2	705.2	690.9	677.3	657.2	651.5	649.3
22.5°	684.4	691.6	695.8	705.9	720.9	729.6	710.9	693.7	673.0	665.8	657.2
25°	716.6	715.2	722.3	743.1	755.3	761.8	746.7	721.7	694.4	685.8	687.3
27.5°	756.7	758.2	764.6	787.5	805.4	815.4	797.5	764.6	738.1	723.8	722.3
30°	809.0	807.5	814.8	845.5	877.8	892.7	861.3	822.6	796.8	778.2	782.6
32.5°	864.1	864.8	884.9	912.8	965.0	994.4	943.6	896.3	857.7	844.8	838.4
35°	945.7	949.3	965.0	1008.0	1066.1	1104.0	1048.1	991.5	947.1	923.6	926.4
37.5°	1046.7	1043.1	1069.6	1116.2	1177.0	1204.9	1157.6	1093.2	1048.1	1032.4	1042.4
40°	1154.1	1157.6	1171.3	1213.5	1281.5	1300.1	1230.0	1194.9	1155.5	1147.6	1159.8
42.5°	1261.5	1259.3	1269.3	1307.3	1356.7	1343.8	1302.3	1281.5	1253.6	1237.9	1254.3
45°	1340.2	1336.6	1355.3	1381.0	1398.9	1374.6	1355.9	1348.8	1334.5	1317.3	1332.3
47.5°	1416.8	1414.0	1431.9	1439.0	1440.5	1408.3	1411.8	1424.7	1388.9	1353.1	1370.3
50°	1482.0	1477.0	1499.2	1514.9	1511.4	1459.8	1472.7	1459.8	1404.0	1361.7	1355.3
52.5°	1590.8	1592.9	1616.6	1645.2	1636.6	1593.7	1575.0	1516.3	1444.8	1406.8	1384.6
55°	1659.5	1648.8	1689.6	1780.5	1790.6	1746.2	1663.8	1577.2	1469.8	1423.3	1417.5
56°	1595.1	1608.7	1673.1	1774.8	1826.3	1785.5	1665.9	1562.2	1444.0	1381.0	1376.7
57.5°	1431.1	1424.0	1511.4	1650.2	1790.6	1773.3	1607.2	1454.8	1317.3	1246.4	1237.9
60°	890.6	911.4	988.0	1159.8	1347.4	1355.9	1191.3	1060.3	900.0	836.9	851.9
62.5°	348.7	330.8	378.7	506.9	635.7	664.4	602.1	500.4	410.9	348.7	344.4
65°	80.9	78.7	88.8	122.4	171.1	198.3	188.3	135.3	99.5	94.5	87.4
67.5°	45.8	45.8	43.6	43.6	47.9	50.8	48.7	47.9	50.1	52.2	51.6
70°	32.2	31.5	30.1	30.8	29.4	29.4	31.5	35.1	37.9	37.9	38.7
72.5°	19.3	19.3	19.3	21.4	21.4	21.4	23.6	26.5	27.2	26.5	25.7
75°	8.6	8.6	10.0	12.2	13.6	14.3	16.5	17.9	19.3	17.9	16.5
77.5°	2.2	2.2	3.6	5.0	6.5	7.9	10.8	12.9	13.6	12.9	10.8
80°	0.8	0.8	1.4	3.6	6.5	7.9	10.8	11.4	12.2	10.8	8.6
82.5°	0.8	0.8	1.4	3.6	5.0	6.5	8.6	10.0	10.8	9.3	8.6
85°	0.0	0.8	1.4	2.9	4.3	5.7	5.7	4.3	3.6	2.2	2.9
87.5°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)