

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: P652657

Luminaire Tested: **GLAN-SA1C-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5242.8 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

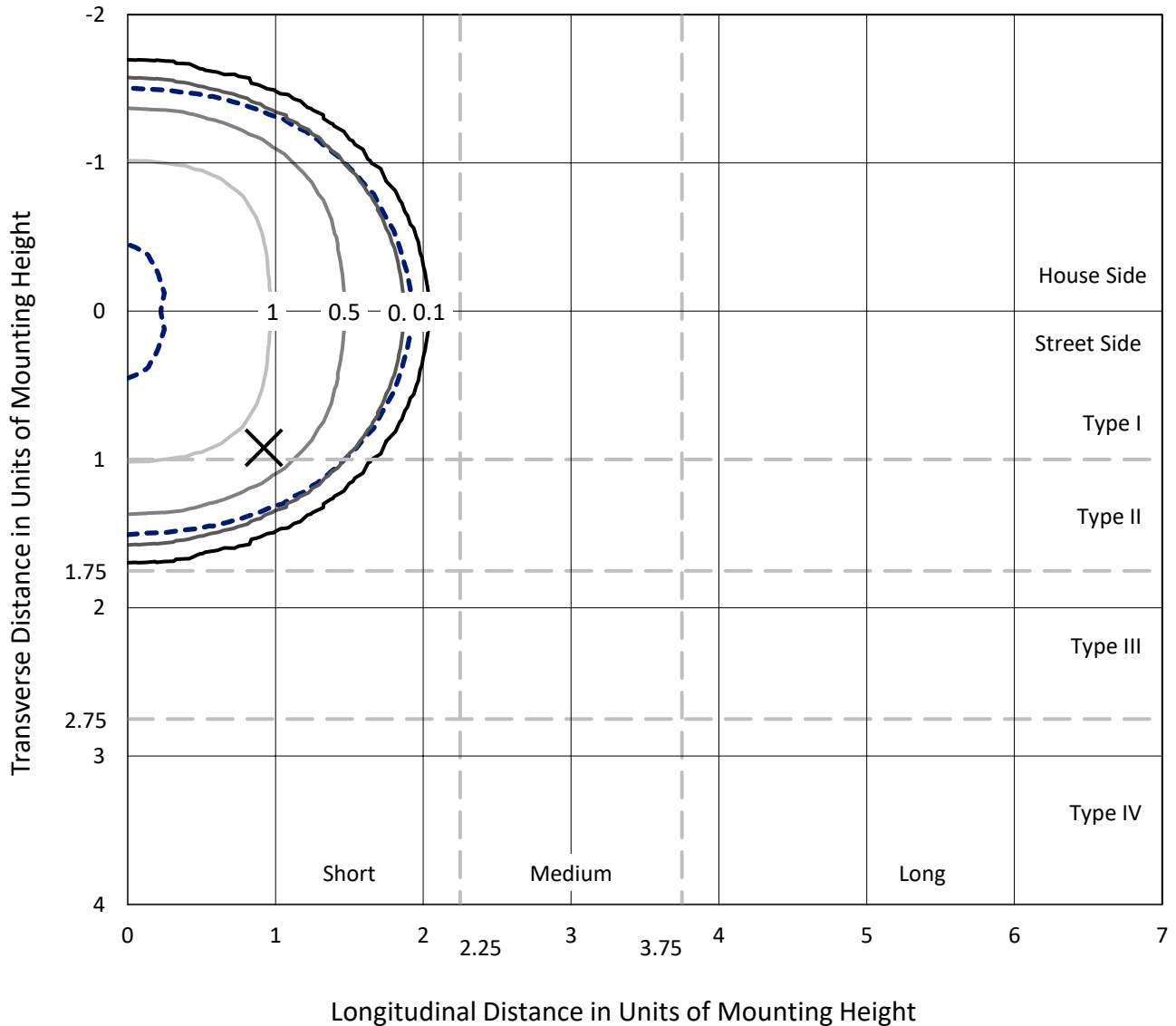
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

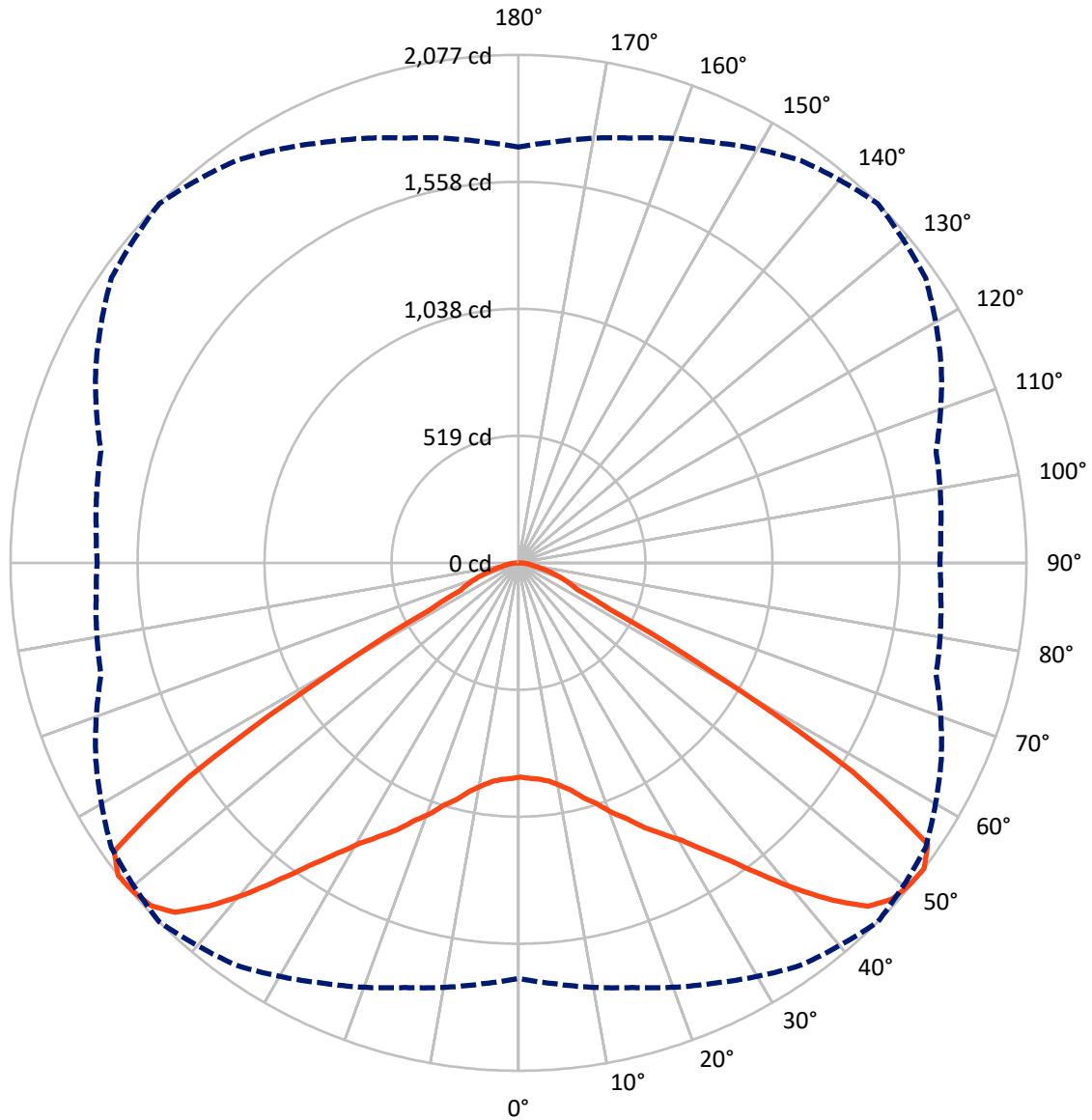
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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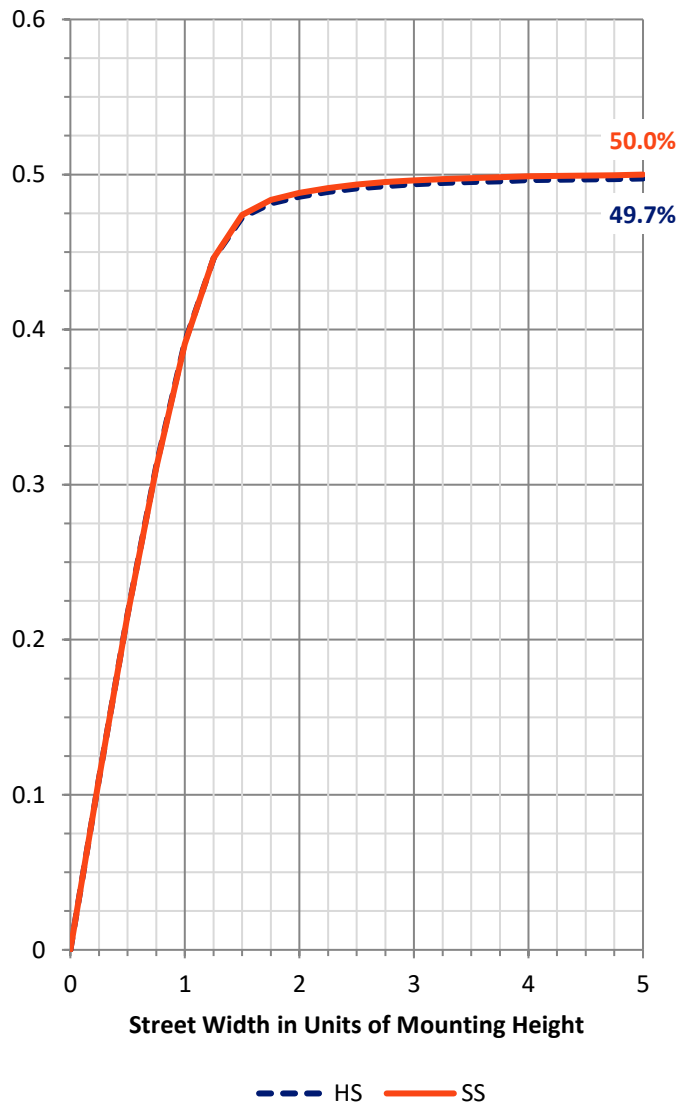
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2621.4	0.0	2621.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2621.4	0.0	2621.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	5242.8	0.0	5242.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	1.6
10°-20°	282.9	5.4
20°-30°	538.7	10.3
30°-40°	924.9	17.6
40°-50°	1421.6	27.1
50°-60°	1443.6	27.5
60°-70°	402.3	7.7
70°-80°	118.7	2.3
80°-90°	23.9	0.5
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°	5242.8	100.0
0°-180°	5242.8	100.0

Coefficient of Utilization



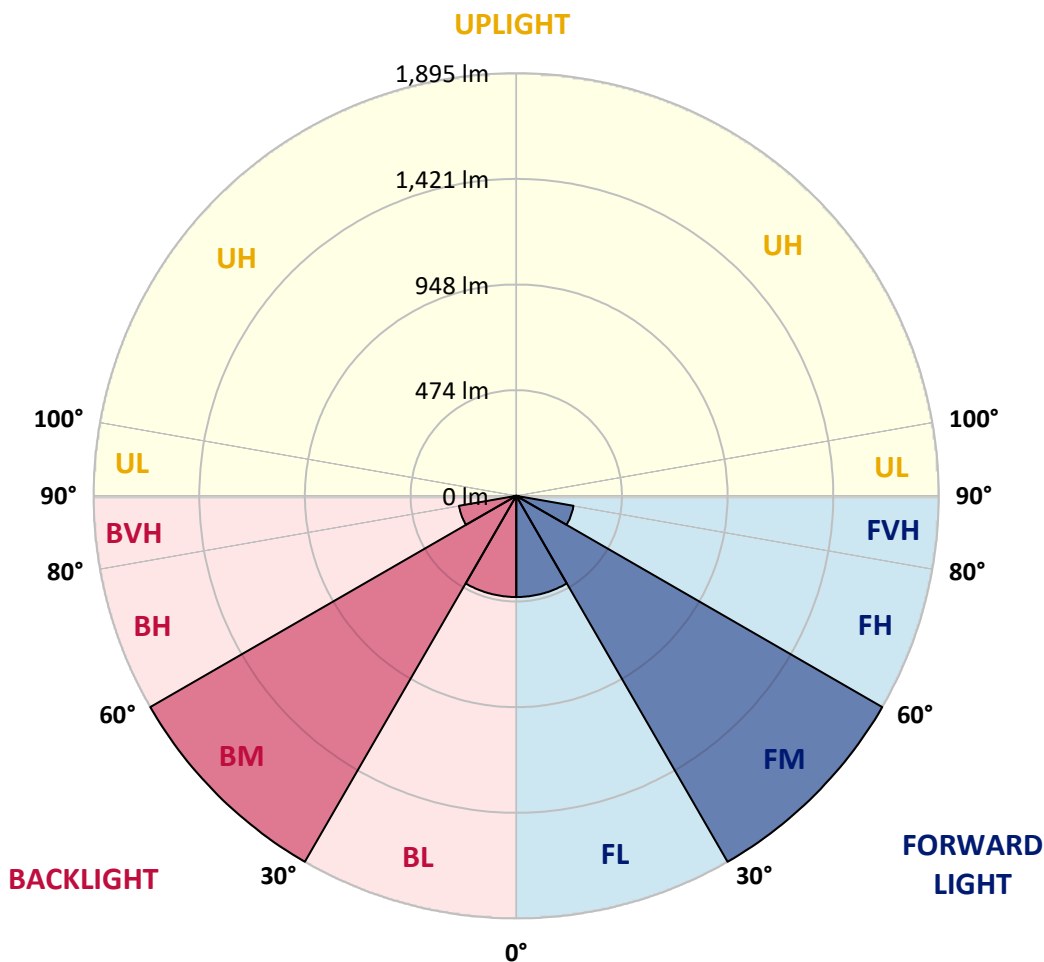
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	453.8	8.7			
FM (30°-60°)	1895.1	36.1			
FH (60°-80°)	260.5	5.0			G0/660
FVH (80°-90°)	12.0	0.2			G1/100
BL (0°-30°)	453.8	8.7	B1/500		
BM (30°-60°)	1895.1	36.1	B2/2500		
BH (60°-80°)	260.5	5.0	B1/500		G0/660
BVH (80°-90°)	12.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4	876.4
2.5°	878.3	869.3	872.5	874.5	882.9	882.3	880.3	882.9	885.5	886.2	884.9
5°	877.7	871.2	873.8	875.7	884.2	888.8	887.4	898.5	906.3	904.4	914.2
7.5°	872.5	876.4	873.1	882.9	890.0	901.1	912.8	923.2	933.0	944.1	946.0
10°	884.2	884.2	890.0	897.9	916.8	925.2	942.1	957.1	976.0	988.9	983.7
12.5°	896.6	898.5	898.5	918.7	934.3	953.2	968.8	988.9	1015.7	1031.2	1039.1
15°	909.0	910.2	916.8	944.1	967.5	997.4	1011.7	1030.0	1044.9	1074.2	1074.9
17.5°	920.0	927.1	946.6	977.2	1006.5	1035.2	1057.9	1076.8	1089.8	1101.5	1098.9
20°	961.6	966.8	987.0	1017.6	1061.2	1089.2	1097.0	1100.2	1108.7	1132.1	1124.9
22.5°	1002.0	1003.9	1022.8	1069.7	1100.2	1137.3	1145.8	1143.8	1147.0	1152.9	1163.4
25°	1043.6	1046.9	1072.9	1112.6	1155.5	1199.8	1206.9	1191.9	1187.4	1193.9	1194.6
27.5°	1097.0	1097.6	1130.8	1165.3	1214.1	1255.7	1266.8	1255.1	1233.6	1238.8	1247.3
30°	1164.6	1160.1	1193.3	1242.7	1294.1	1317.5	1336.4	1330.5	1307.1	1302.5	1295.4
32.5°	1242.7	1244.0	1273.9	1327.9	1361.7	1400.9	1421.0	1411.2	1396.2	1388.5	1393.0
35°	1352.7	1358.6	1378.7	1423.6	1478.2	1497.7	1529.6	1508.8	1469.8	1479.6	1488.0
37.5°	1443.1	1460.1	1497.7	1551.1	1583.6	1619.4	1631.1	1603.2	1574.5	1562.8	1590.8
40°	1581.7	1576.5	1618.1	1671.5	1719.6	1755.4	1740.4	1712.4	1641.5	1642.2	1650.0
42.5°	1700.8	1703.4	1735.2	1799.0	1864.7	1886.9	1839.4	1771.1	1692.3	1683.9	1700.8
45°	1800.9	1811.3	1829.6	1914.8	1979.2	2003.3	1915.5	1834.8	1729.3	1694.3	1722.2
47.5°	1836.7	1853.6	1893.3	1971.4	2035.2	2054.7	1984.4	1868.6	1763.8	1706.6	1721.6
50°	1842.0	1836.1	1901.2	1972.7	2028.7	2071.0	2009.1	1893.3	1755.4	1725.5	1720.9
52.5°	1699.5	1728.1	1797.7	1896.0	2009.1	2076.8	2031.3	1907.0	1767.1	1733.3	1722.2
55°	1375.5	1341.6	1468.5	1633.7	1842.0	2030.0	2023.4	1914.2	1774.3	1746.3	1731.4
57.5°	767.7	777.5	849.1	1028.6	1297.3	1609.7	1799.0	1838.7	1771.1	1754.7	1762.6
60°	355.2	358.5	389.0	473.0	639.6	912.8	1162.0	1415.2	1531.6	1555.0	1555.0
62.5°	264.8	263.5	271.3	286.3	321.4	419.7	560.2	761.3	921.3	1033.2	1062.5
65°	239.4	238.8	242.7	247.9	250.5	264.2	295.4	357.2	409.2	439.2	434.0
67.5°	209.5	208.8	210.2	213.4	218.0	225.1	233.0	245.9	264.2	262.9	259.6
70°	169.1	169.1	171.1	173.8	179.0	187.4	196.5	205.6	221.2	224.5	223.8
72.5°	124.9	123.0	126.9	132.0	137.3	147.7	157.4	165.9	176.9	180.2	179.0
75°	79.4	80.7	83.3	89.1	98.2	105.4	115.8	123.0	130.1	132.7	133.4
77.5°	44.2	45.6	50.1	57.3	66.4	74.2	83.3	89.1	93.7	94.4	95.0
80°	26.7	27.3	31.9	38.3	46.2	54.7	61.8	67.7	71.6	69.6	69.0
82.5°	16.2	16.9	20.9	26.7	33.2	39.7	47.5	52.7	56.6	54.0	51.4
85°	8.5	9.1	12.4	16.2	21.4	24.7	24.7	22.1	21.4	20.2	19.5
87.5°	2.6	2.6	3.3	3.9	3.3	3.9	4.5	5.2	5.2	5.9	5.2
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)