

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: P653141

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4522.1 lumens
Efficiency: N/A
Efficacy: 69.6 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

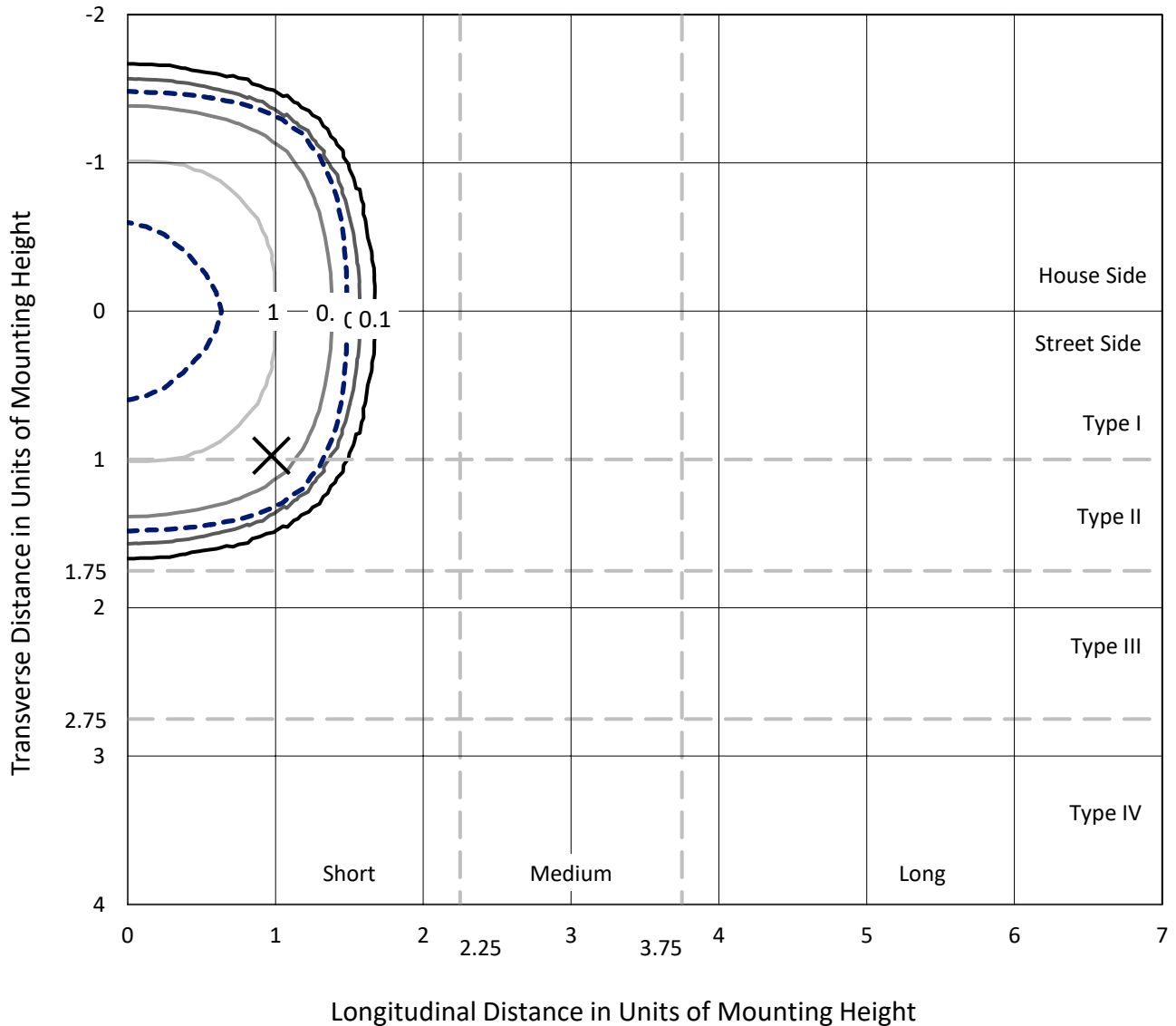
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

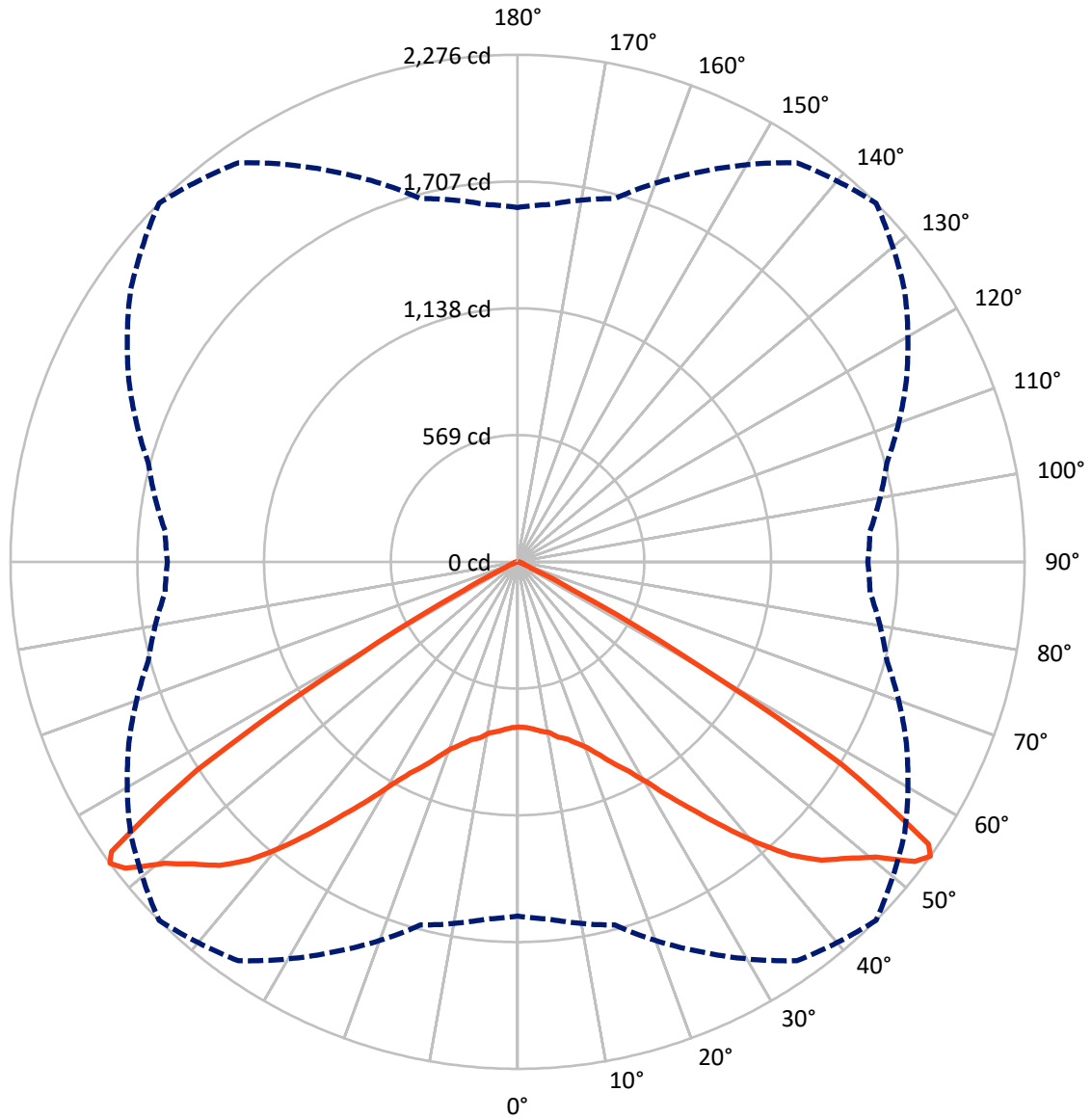
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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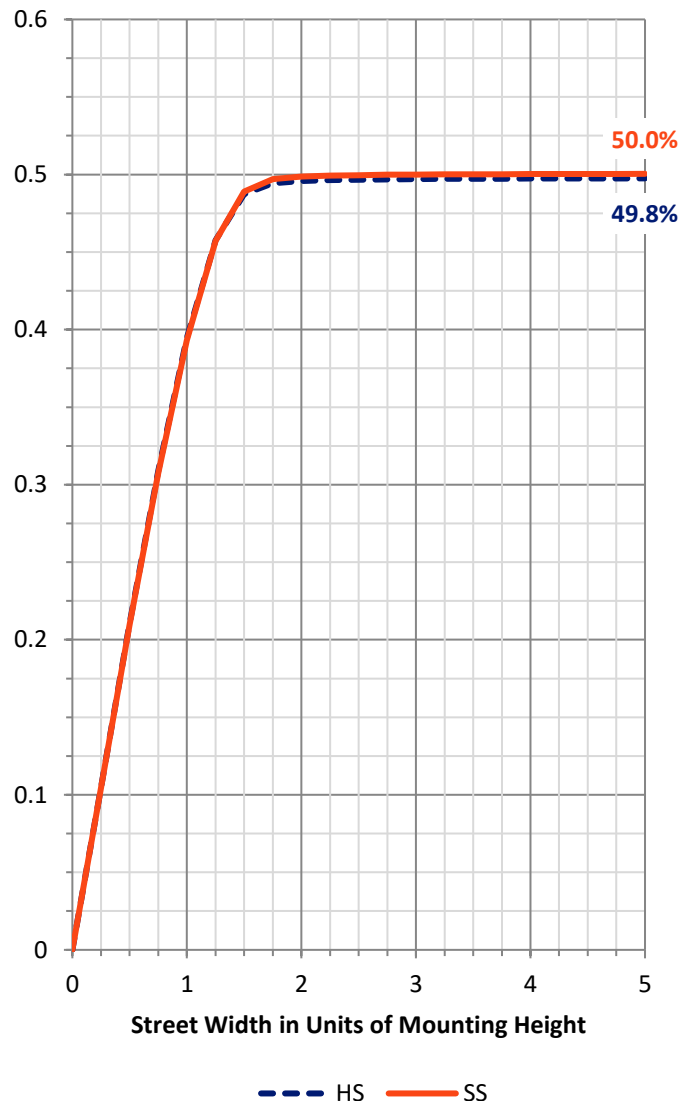
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2261.0	0.0	2261.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2261.0	0.0	2261.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4522.1	0.0	4522.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.6
10°-20°	235.0	5.2
20°-30°	460.6	10.2
30°-40°	828.3	18.3
40°-50°	1417.9	31.4
50°-60°	1371.9	30.3
60°-70°	117.4	2.6
70°-80°	13.9	0.3
80°-90°	4.4	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°	4522.1	100.0
0°-180°	4522.1	100.0

Coefficient of Utilization



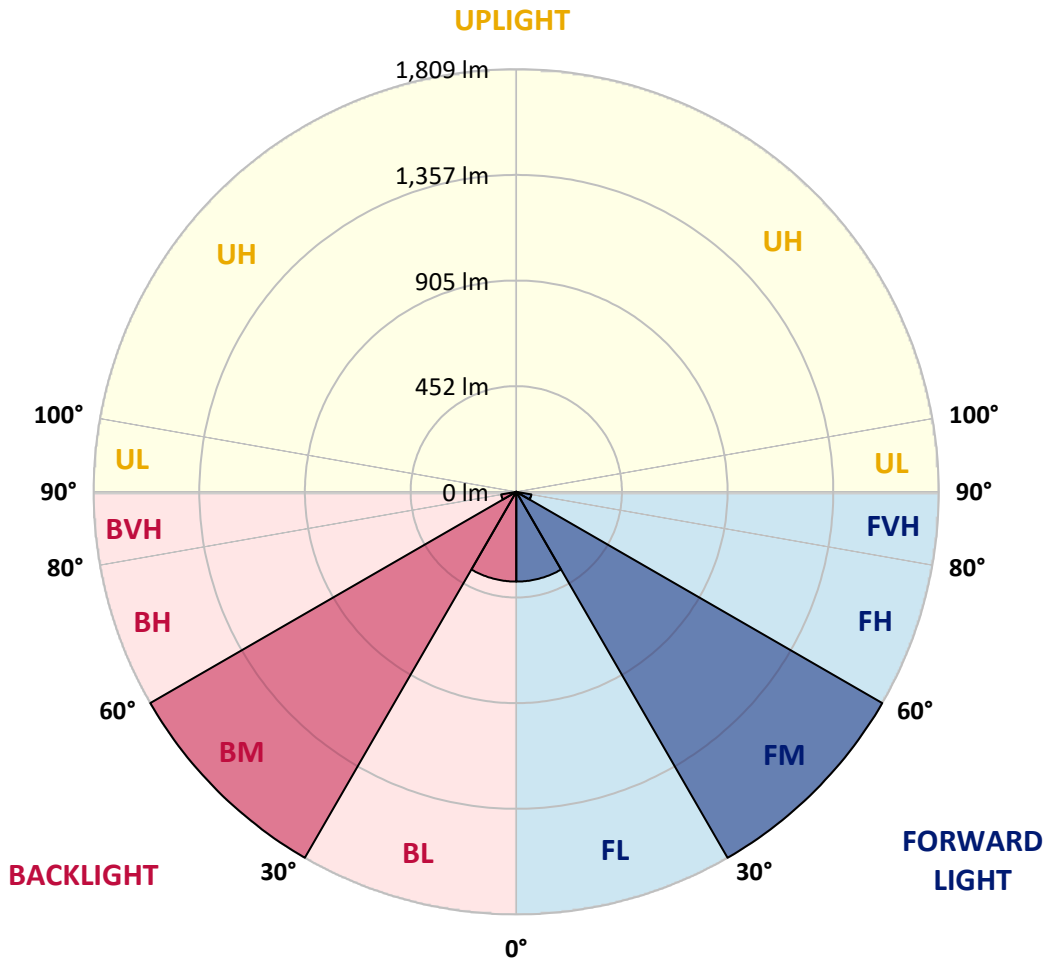
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.1	8.5			
FM (30°-60°)	1809.1	40.0			
FH (60°-80°)	65.7	1.5			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	384.1	8.5	B1/500		
BM (30°-60°)	1809.1	40.0	B2/2500		
BH (60°-80°)	65.7	1.5	B0/110		G0/660
BVH (80°-90°)	2.2	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°	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5
2.5°	745.0	749.3	746.5	748.7	748.7	745.0	747.2	738.7	744.4	740.1	740.8
5°	756.5	755.8	755.8	756.5	753.6	755.0	752.2	749.3	747.2	744.4	752.9
7.5°	770.9	770.9	765.8	767.2	765.8	768.0	762.3	756.5	754.4	752.2	750.8
10°	784.5	783.1	780.9	787.3	782.3	779.4	776.6	773.0	765.1	762.3	759.4
12.5°	804.5	803.8	801.0	807.4	804.5	807.4	796.7	787.3	785.9	776.6	781.6
15°	828.1	834.6	829.6	829.6	828.1	824.6	820.3	816.0	803.1	799.5	800.2
17.5°	859.0	856.8	857.6	857.6	864.7	855.4	846.8	836.0	829.6	827.5	820.3
20°	888.3	891.2	890.5	895.5	899.8	889.8	880.4	879.0	861.1	864.0	854.0
22.5°	939.9	937.8	941.3	944.9	942.1	940.7	932.1	921.3	905.5	898.4	896.9
25°	994.4	990.8	984.3	993.0	997.3	1003.6	987.2	981.4	957.1	946.4	947.1
27.5°	1040.9	1046.0	1053.1	1056.7	1067.5	1065.3	1053.9	1035.2	1016.6	1004.4	996.5
30°	1104.7	1107.6	1119.7	1124.8	1143.3	1148.4	1130.5	1109.0	1076.1	1060.2	1051.0
32.5°	1163.4	1183.5	1182.8	1207.8	1238.0	1258.7	1226.5	1193.5	1160.6	1141.9	1125.4
35°	1258.7	1255.1	1275.9	1302.5	1351.2	1374.8	1339.7	1301.7	1251.6	1221.5	1208.6
37.5°	1347.5	1349.0	1376.9	1419.2	1475.1	1511.6	1480.8	1418.5	1366.9	1328.2	1310.3
40°	1476.5	1479.4	1508.0	1556.0	1619.1	1658.5	1622.6	1559.6	1490.8	1460.7	1460.7
42.5°	1627.7	1639.9	1658.5	1700.0	1756.6	1800.3	1768.1	1718.7	1649.1	1610.4	1616.2
45°	1783.1	1788.9	1801.0	1862.6	1889.1	1910.7	1880.6	1857.6	1811.1	1763.7	1755.9
47.5°	1928.6	1930.7	1966.5	1985.9	2006.6	1988.7	2008.1	1977.9	1925.7	1879.8	1870.6
50°	1993.0	1989.5	2040.4	2099.1	2114.8	2083.3	2066.8	2046.7	1967.3	1912.1	1887.7
52.5°	1805.4	1826.1	1920.7	2084.0	2207.2	2233.8	2137.7	2045.3	1897.0	1789.6	1773.1
54°	1590.4	1609.8	1687.8	1930.0	2186.4	2276.0	2121.3	1925.0	1715.8	1588.2	1571.7
55°	1377.6	1356.1	1498.0	1745.2	2089.0	2238.7	2056.1	1769.5	1530.2	1413.5	1390.5
57.5°	745.8	749.3	869.0	1102.6	1467.9	1716.5	1515.9	1197.1	904.1	773.0	761.5
60°	236.4	242.1	294.4	445.6	701.4	837.5	717.8	480.7	332.4	266.5	255.7
62.5°	73.8	76.6	83.8	124.6	192.0	274.4	215.0	128.9	96.0	88.1	89.6
65°	45.2	45.2	45.8	48.7	57.3	66.6	64.5	56.6	54.4	53.0	52.3
67.5°	29.4	28.7	30.1	32.2	33.6	34.4	36.5	38.7	37.9	36.5	36.5
70°	17.9	17.2	18.6	21.5	22.2	23.6	25.8	28.7	27.9	26.5	27.2
72.5°	10.0	10.0	10.8	12.9	15.1	16.5	18.6	20.8	21.5	20.8	20.8
75°	3.6	4.3	5.7	7.9	9.3	11.4	13.6	15.7	17.9	16.5	15.7
77.5°	1.4	1.4	2.9	5.0	7.1	9.3	12.9	15.1	16.5	15.1	13.6
80°	0.8	0.8	2.2	4.3	6.5	8.6	10.8	12.9	13.6	12.2	10.8
82.5°	0.8	0.8	2.2	4.3	6.5	7.9	11.4	12.9	14.3	12.9	10.8
85°	0.0	0.8	2.2	4.3	5.7	6.5	6.5	4.3	3.6	2.2	2.2
87.5°	0.0	0.0	0.8	0.0	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)