

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: P652644

Luminaire Tested: **GLAN-SA1C-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-840-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5280.6 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

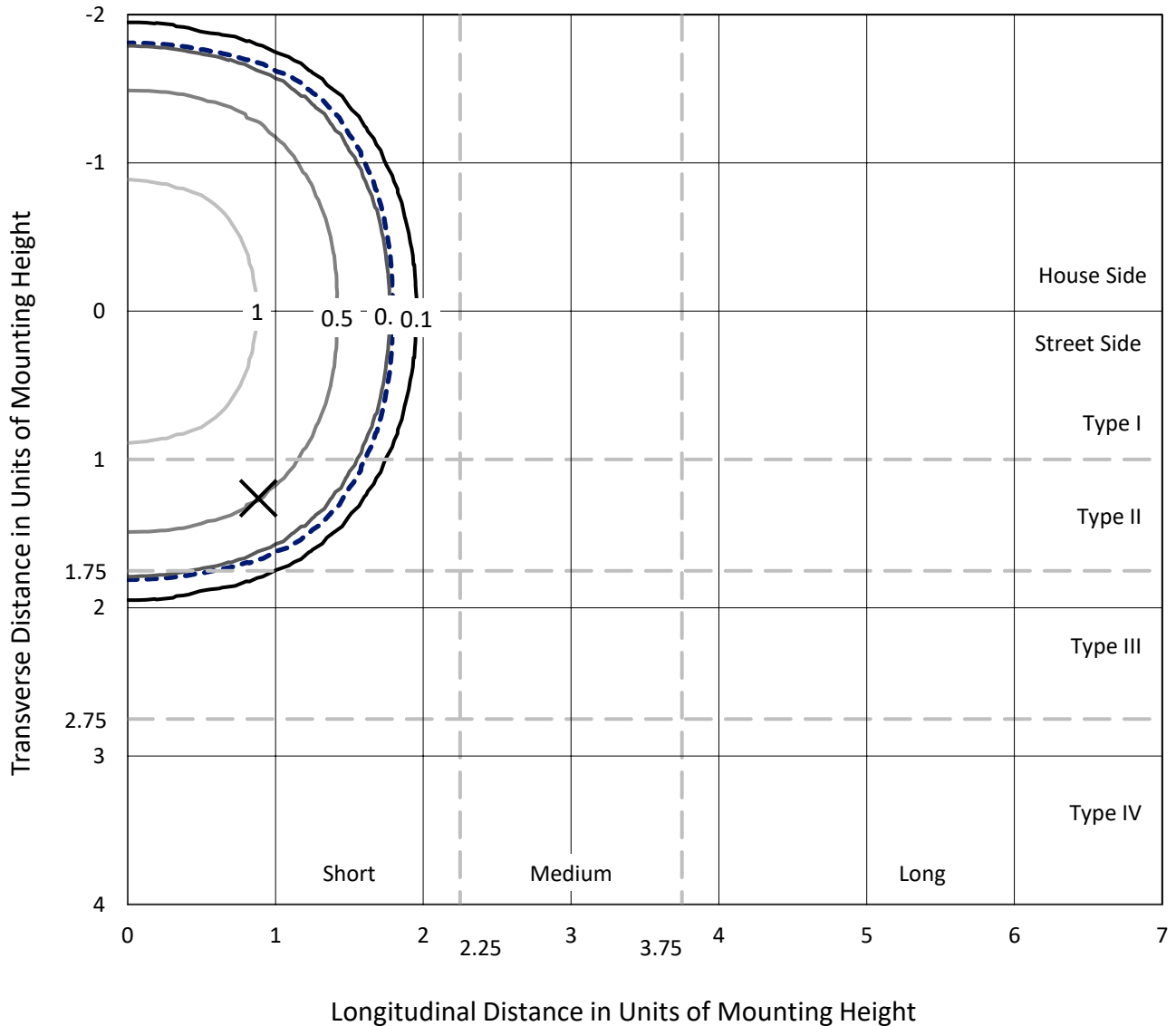
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

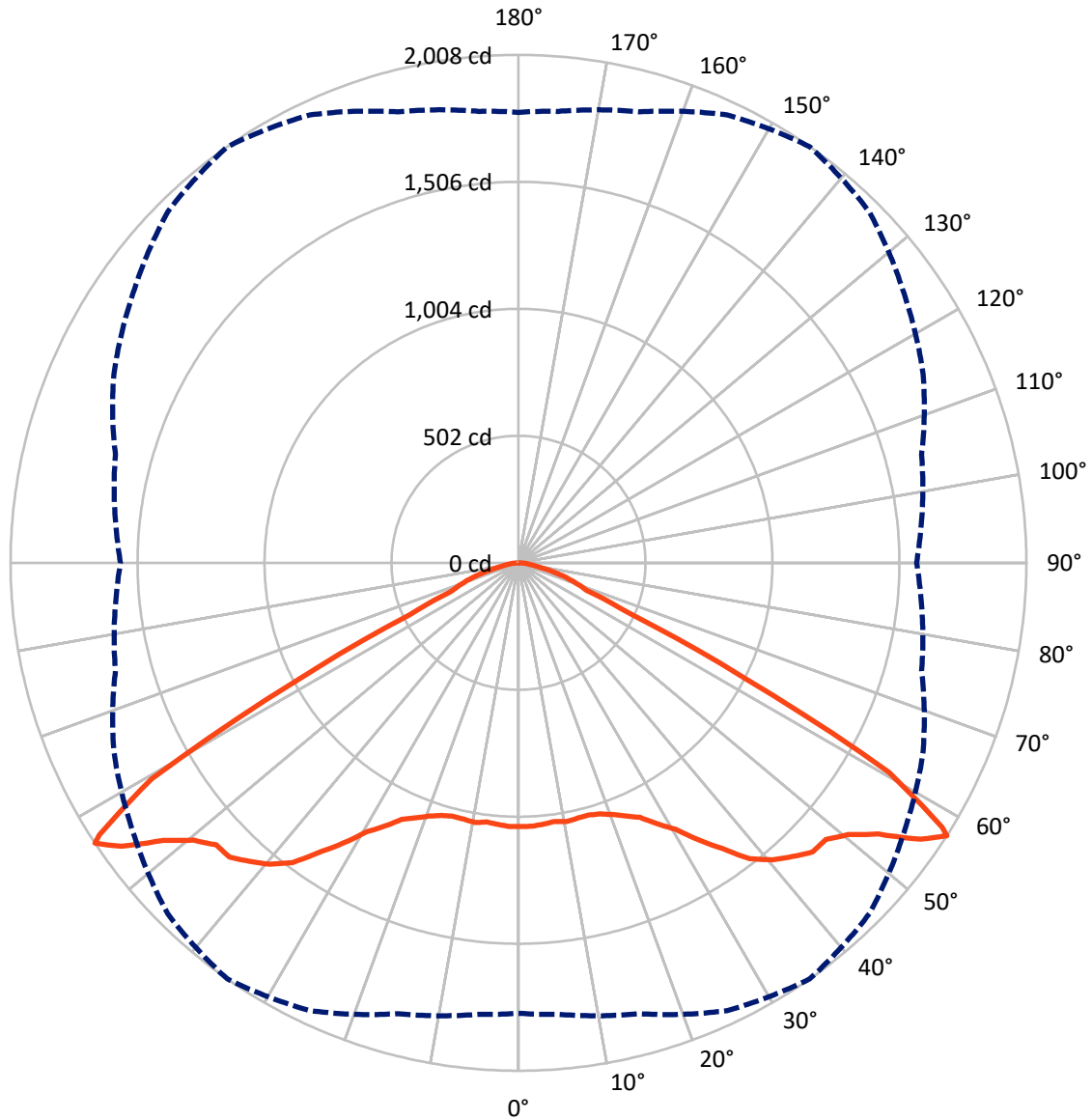
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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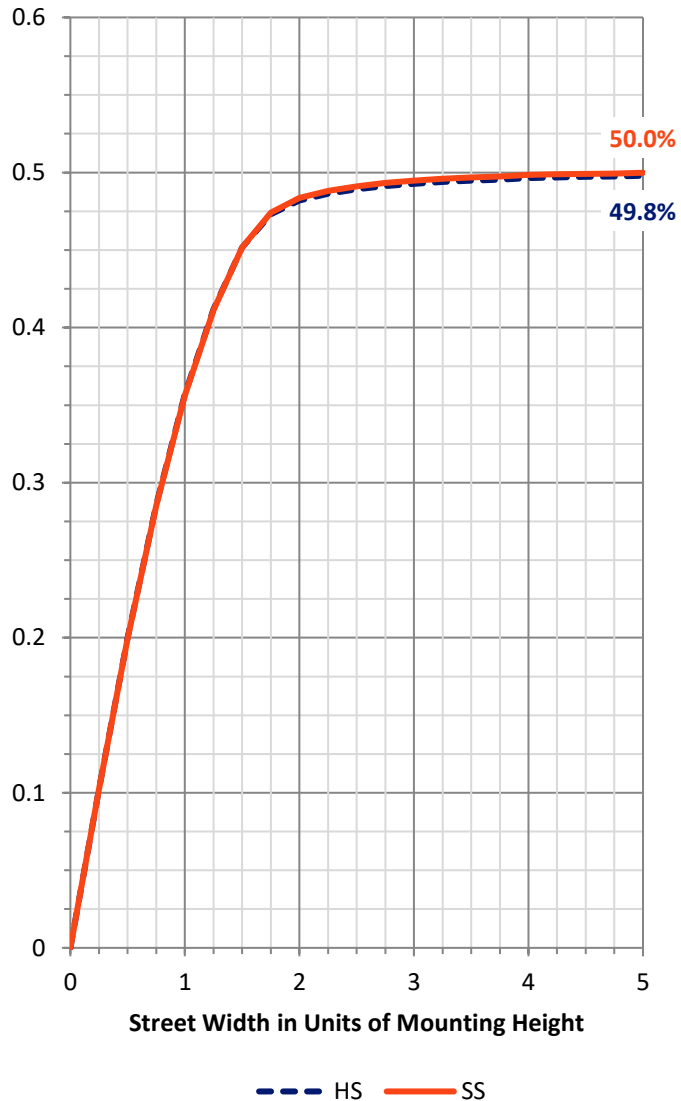
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2640.3	0.0	2640.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2640.3	0.0	2640.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5280.6	0.0	5280.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.9	1.9
10°-20°	292.8	5.5
20°-30°	511.4	9.7
30°-40°	838.0	15.9
40°-50°	1228.7	23.3
50°-60°	1547.6	29.3
60°-70°	582.0	11.0
70°-80°	154.8	2.9
80°-90°	26.5	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°	5280.6	100.0
0°-180°	5280.6	100.0

**Coefficient of Utilization**



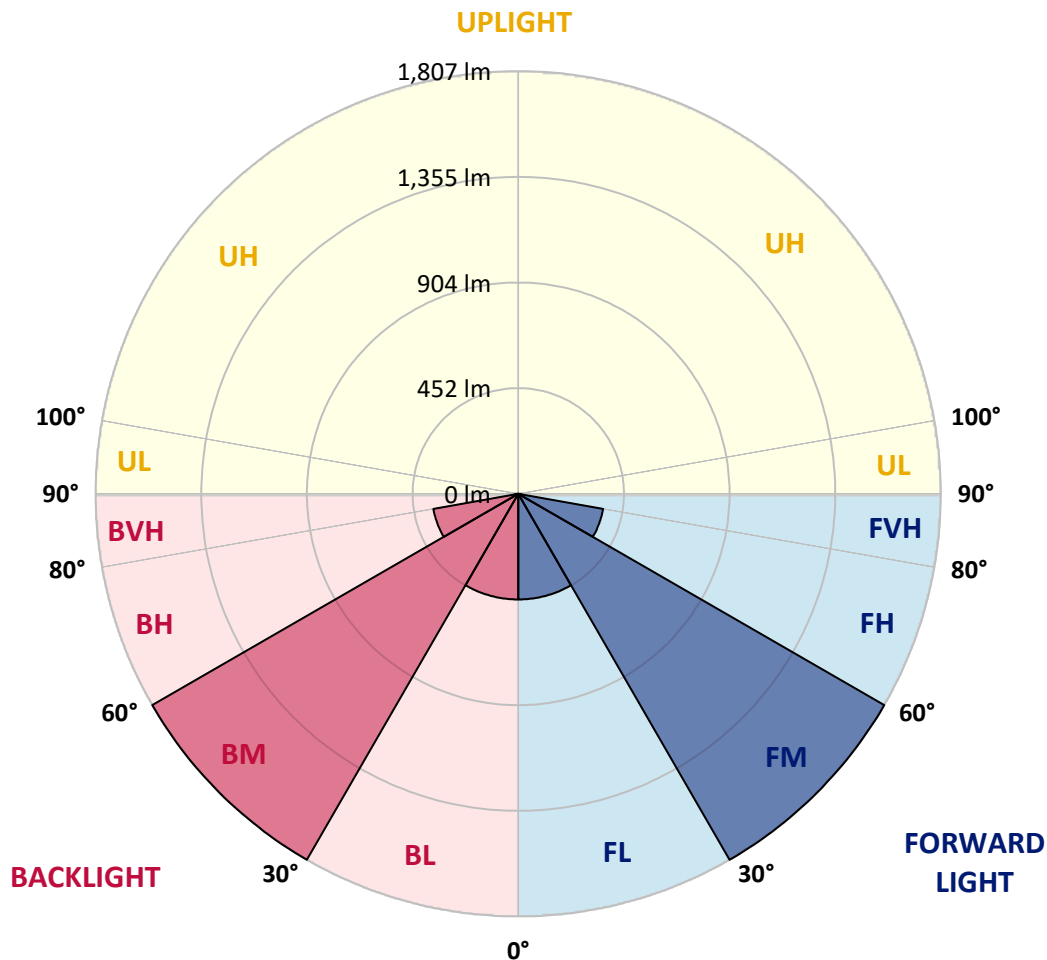
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.6	8.6			
FM (30°-60°)	1807.1	34.2			
FH (60°-80°)	368.4	7.0			G0/660
FVH (80°-90°)	13.3	0.3			G1/100
BL (0°-30°)	451.6	8.6	B1/500		
BM (30°-60°)	1807.1	34.2	B2/2500		
BH (60°-80°)	368.4	7.0	B1/500		G0/660
BVH (80°-90°)	13.3	0.3			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°	1042.9	1042.9	1042.9	1042.9	1042.9	1042.9	1042.9	1042.9	1042.9	1042.9	1042.9
2.5°	1037.7	1048.1	1043.5	1040.9	1042.9	1039.6	1034.4	1040.3	1039.0	1033.8	1031.8
5°	1035.1	1042.9	1037.7	1042.9	1037.7	1046.8	1044.2	1034.4	1046.1	1035.1	1039.0
7.5°	1033.2	1035.7	1037.0	1034.4	1032.5	1043.5	1037.7	1033.2	1026.6	1024.7	1028.0
10°	1028.5	1035.1	1025.3	1038.3	1040.9	1033.2	1033.2	1024.7	1019.5	1016.2	1027.3
12.5°	1040.3	1029.2	1028.0	1034.4	1036.4	1039.6	1030.6	1025.9	1016.2	1017.5	1015.6
15°	1026.6	1031.2	1031.8	1033.2	1035.1	1042.9	1034.4	1024.7	1020.8	1007.1	1008.4
17.5°	1031.8	1027.3	1031.8	1046.8	1044.2	1050.1	1040.9	1025.9	1016.9	1009.0	1019.5
20°	1040.9	1039.0	1040.9	1059.2	1062.4	1067.6	1059.8	1046.1	1028.5	1019.5	1024.7
22.5°	1050.7	1049.4	1050.7	1068.2	1087.2	1093.6	1085.8	1053.9	1044.9	1028.0	1022.1
25°	1068.2	1069.6	1083.2	1102.7	1115.1	1127.4	1113.1	1090.4	1061.1	1050.7	1038.3
27.5°	1107.3	1110.5	1118.4	1147.0	1168.5	1179.5	1159.3	1128.1	1109.9	1088.4	1085.1
30°	1155.4	1155.4	1169.1	1193.8	1223.1	1240.1	1215.3	1178.2	1156.1	1144.3	1137.2
32.5°	1219.2	1212.0	1217.3	1260.8	1306.4	1320.7	1287.5	1242.0	1206.8	1191.2	1186.0
35°	1273.9	1278.4	1290.1	1336.9	1387.7	1420.9	1368.8	1309.6	1273.9	1259.6	1257.0
37.5°	1344.8	1352.6	1358.4	1422.8	1483.9	1496.3	1446.3	1398.8	1355.2	1343.5	1336.9
40°	1444.9	1439.7	1441.7	1489.2	1544.5	1552.3	1502.9	1469.1	1433.2	1426.1	1426.1
42.5°	1527.6	1521.7	1528.3	1545.8	1588.1	1582.3	1554.9	1530.2	1515.2	1507.4	1515.2
45°	1577.6	1576.4	1588.1	1601.1	1631.0	1611.5	1590.0	1593.9	1579.7	1566.6	1565.9
47.5°	1632.3	1623.9	1638.2	1657.7	1634.9	1625.8	1624.5	1633.0	1628.4	1605.6	1598.5
50°	1659.0	1655.8	1678.5	1701.3	1688.9	1668.1	1672.7	1686.3	1627.8	1597.2	1579.7
52.5°	1730.5	1731.2	1774.8	1787.1	1781.9	1751.4	1761.1	1724.0	1655.1	1612.1	1614.1
55°	1843.1	1838.6	1887.4	1923.8	1929.7	1890.6	1843.7	1791.8	1705.2	1661.6	1648.6
57°	1781.3	1791.8	1845.7	1953.7	2008.4	1962.1	1860.0	1765.0	1649.9	1597.2	1573.8
57.5°	1698.7	1715.6	1809.2	1917.9	1975.2	1971.3	1839.9	1715.6	1612.8	1530.8	1532.8
60°	1244.6	1247.8	1332.4	1504.8	1683.7	1687.6	1527.6	1363.0	1248.5	1159.3	1171.7
62.5°	656.4	671.4	705.3	843.8	998.7	1036.4	939.5	854.9	756.0	688.4	694.8
65°	347.4	345.5	361.7	400.7	476.8	496.4	483.4	416.4	381.9	370.8	371.5
67.5°	282.3	285.6	283.7	285.6	290.8	299.2	297.3	299.9	301.8	305.1	304.4
70°	239.4	239.4	240.7	241.4	241.4	245.2	249.9	258.3	258.9	262.2	263.5
72.5°	188.6	187.4	189.3	193.9	194.5	197.8	204.3	209.5	211.4	211.4	207.6
75°	128.2	129.4	132.0	136.0	139.9	145.7	151.0	154.2	155.5	153.6	151.5
77.5°	72.2	73.5	75.4	81.3	85.9	91.1	97.0	100.2	103.4	104.1	100.2
80°	43.0	43.0	46.2	50.7	55.9	61.1	66.4	70.2	71.6	71.6	69.6
82.5°	26.0	26.7	29.3	33.8	38.3	41.6	46.2	49.5	52.1	51.4	50.1
85°	13.6	13.6	16.2	20.2	23.4	26.7	26.7	24.7	23.4	20.2	18.8
87.5°	4.5	3.9	5.2	5.2	4.5	5.2	5.2	5.9	5.9	5.9	5.9
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)