

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: P649180

Luminaire Tested: **GLAN-SA1D-835-U-5MQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P649180  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1D-835-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6428.4 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

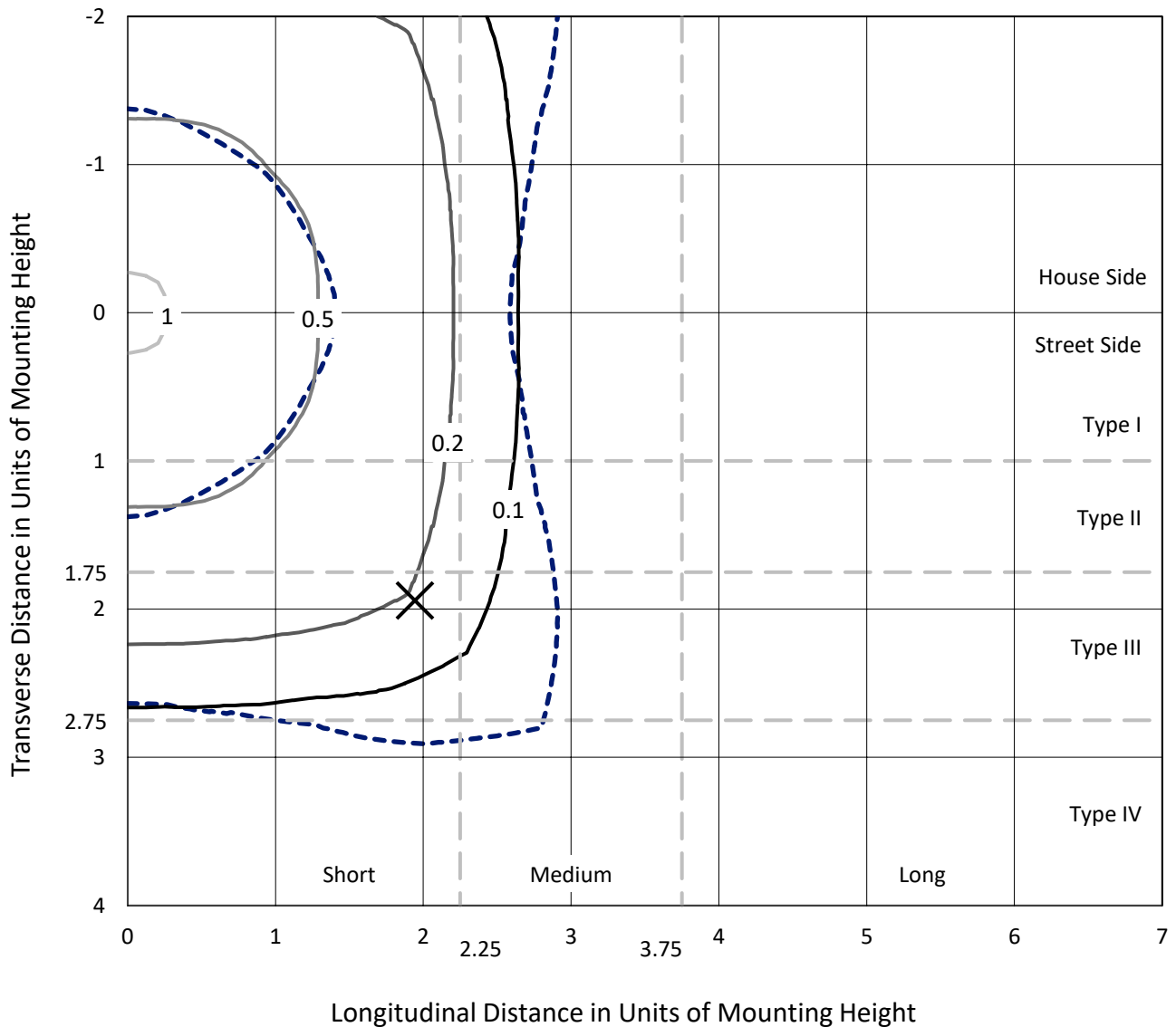
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

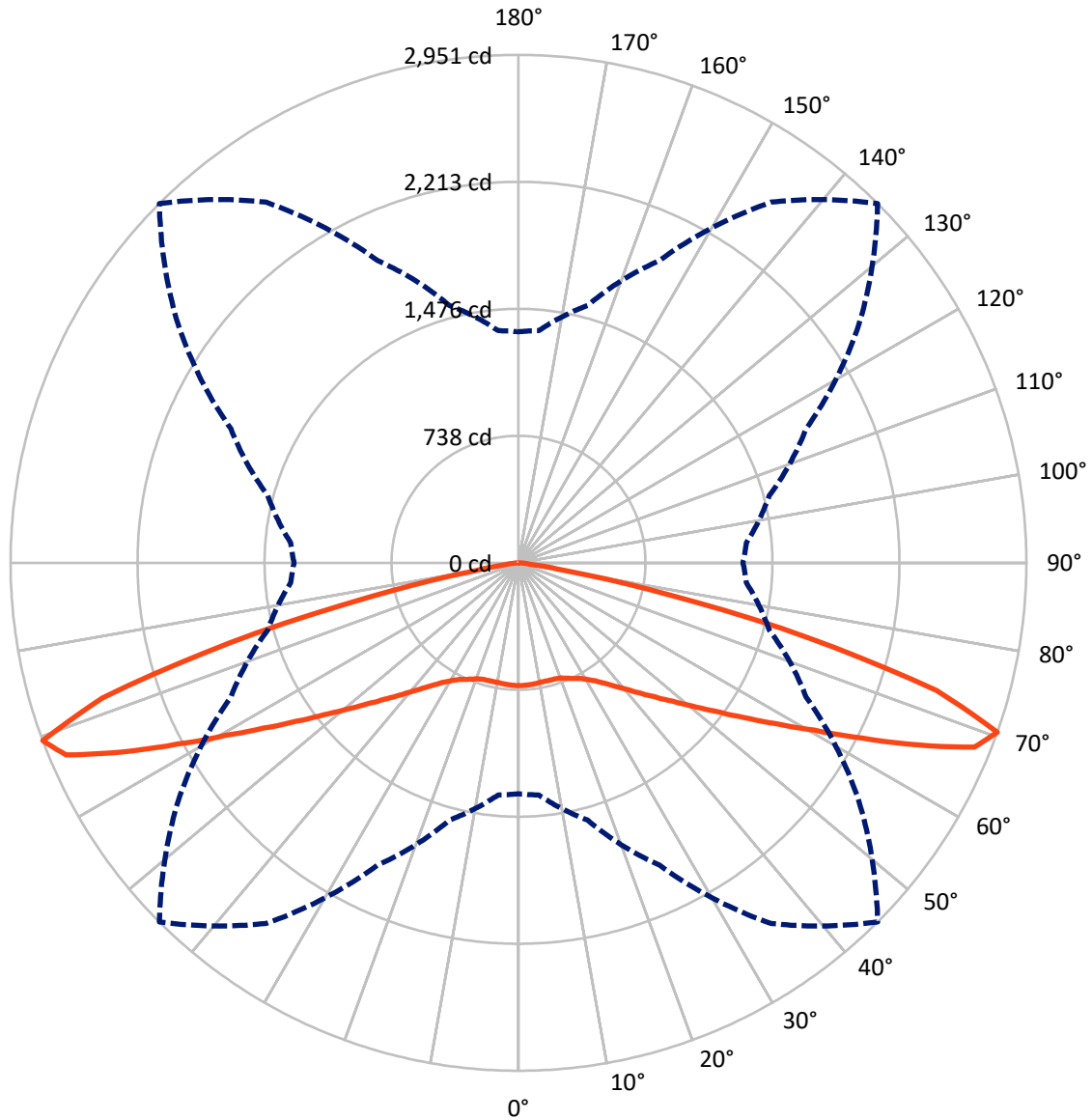
× Max cd  
 - - - 1/2 Max cd



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 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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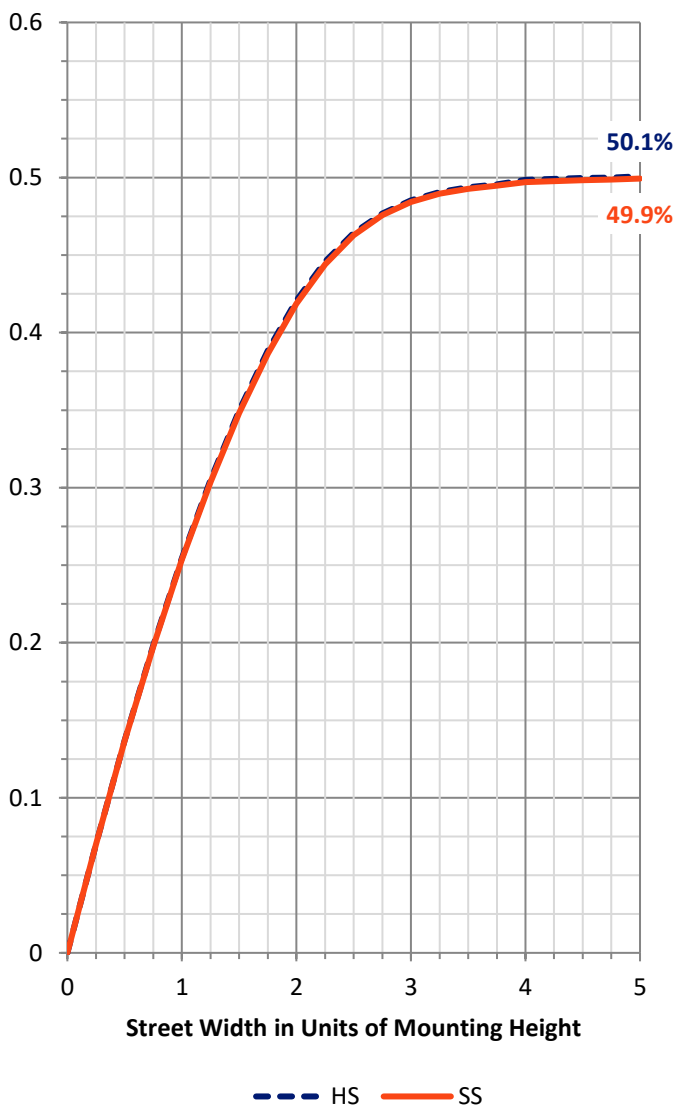
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3214.2	0.0	3214.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3214.2	0.0	3214.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6428.4	0.0	6428.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	1.1
10°-20°	198.6	3.1
20°-30°	339.7	5.3
30°-40°	539.2	8.4
40°-50°	869.9	13.5
50°-60°	1415.4	22.0
60°-70°	2051.8	31.9
70°-80°	910.1	14.2
80°-90°	35.9	0.6
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°	6428.4	100.0
0°-180°	6428.4	100.0

**Coefficient of Utilization**



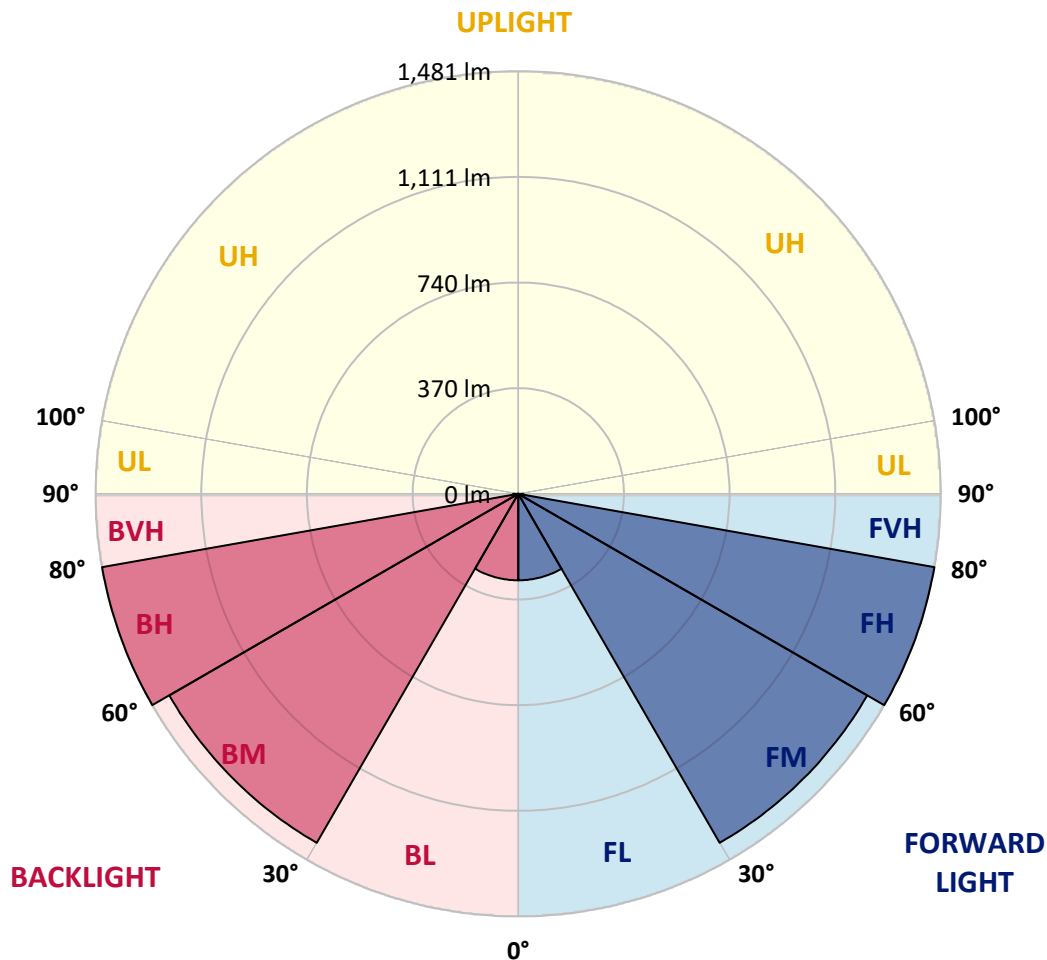
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.0	4.7			
FM (30°-60°)	1412.3	22.0			
FH (60°-80°)	1481.0	23.0			G1/1800
FVH (80°-90°)	17.9	0.3			G1/100
BL (0°-30°)	303.0	4.7	B1/500		
BM (30°-60°)	1412.3	22.0	B2/2500		
BH (60°-80°)	1481.0	23.0	B3/2500		G1/1800
BVH (80°-90°)	17.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9	713.9
2.5°	713.9	714.5	713.5	712.8	712.5	712.5	712.1	712.5	714.5	714.9	713.9
5°	711.8	712.5	712.1	711.5	711.1	711.1	710.8	710.5	712.1	712.8	712.5
7.5°	709.1	709.5	709.1	708.8	709.1	708.8	707.8	707.0	708.5	708.5	708.1
10°	704.4	705.0	704.7	705.0	705.7	705.7	704.4	703.0	703.4	702.7	702.7
12.5°	698.6	699.6	699.9	701.3	703.0	705.0	702.0	698.9	698.3	697.9	697.6
15°	694.9	695.9	697.3	698.6	701.6	706.0	701.6	696.9	695.5	694.2	693.5
17.5°	693.9	695.2	697.3	699.3	703.4	707.8	704.0	699.3	695.9	693.9	693.2
20°	696.6	697.6	700.6	704.4	710.1	714.5	710.8	705.7	700.6	697.6	696.6
22.5°	702.0	703.7	707.4	714.2	722.3	728.7	723.6	715.2	707.0	703.0	701.6
25°	713.9	715.2	719.6	728.7	738.2	744.3	738.9	729.1	717.9	712.5	710.8
27.5°	731.8	733.8	738.6	749.4	757.2	760.6	756.8	750.1	742.0	736.2	734.8
30°	757.2	759.6	766.7	778.2	783.3	785.3	783.6	779.2	773.4	767.3	766.0
32.5°	791.5	792.8	800.9	811.7	816.5	817.2	815.2	813.1	803.6	793.5	792.8
35°	829.7	832.1	841.9	854.8	859.2	859.5	855.4	852.5	841.3	833.1	833.1
37.5°	880.6	881.6	891.1	905.6	910.3	909.0	906.9	904.3	892.4	881.9	882.2
40°	940.1	942.2	950.3	967.2	967.2	965.6	966.9	964.9	953.1	942.9	943.2
42.5°	1011.0	1012.0	1021.8	1039.7	1038.4	1035.0	1036.4	1033.6	1026.2	1014.7	1010.6
45°	1086.5	1090.6	1107.6	1124.8	1122.1	1111.2	1116.7	1116.0	1109.2	1092.0	1093.0
47.5°	1177.6	1184.4	1200.7	1221.4	1218.3	1201.4	1207.5	1211.5	1202.1	1183.1	1179.7
50°	1280.3	1284.7	1308.8	1328.1	1325.4	1307.5	1321.3	1322.0	1298.3	1271.5	1271.5
52.5°	1389.7	1394.1	1426.7	1456.8	1458.5	1432.4	1443.6	1442.9	1404.3	1369.1	1362.3
55°	1512.4	1514.4	1556.4	1600.8	1610.3	1584.9	1586.3	1572.7	1522.5	1481.6	1477.8
57.5°	1639.1	1646.6	1693.0	1750.6	1778.7	1763.1	1756.0	1719.7	1671.3	1624.2	1621.8
60°	1779.4	1779.7	1840.0	1908.1	1965.0	1975.5	1946.4	1897.9	1835.3	1772.9	1770.2
62.5°	1876.6	1891.2	1967.4	2082.6	2184.6	2243.5	2166.6	2065.0	1941.7	1841.0	1830.9
65°	1896.6	1906.4	2022.6	2217.8	2426.1	2553.2	2375.3	2159.1	1948.7	1814.6	1807.8
67.5°	1735.0	1745.5	1902.0	2201.5	2595.6	2856.1	2510.8	2113.8	1828.1	1662.2	1648.9
70°	1342.0	1353.8	1547.3	1937.9	2557.9	2951.3	2414.3	1843.7	1507.7	1328.4	1304.4
72.5°	713.5	757.2	922.5	1330.1	2076.1	2541.0	1979.6	1345.4	972.3	794.8	763.0
75°	260.5	266.0	358.1	589.8	1207.8	1742.4	1254.2	641.7	368.9	284.9	270.4
77.5°	107.7	107.4	117.9	178.2	438.7	892.4	489.5	188.4	117.5	108.8	107.4
80°	63.7	63.7	70.2	74.2	115.5	269.4	129.1	84.0	70.5	64.4	65.4
82.5°	28.4	30.1	44.4	46.7	55.9	73.8	62.3	53.6	46.0	31.9	28.8
85°	15.6	13.5	23.4	24.4	26.8	27.4	29.4	29.1	26.8	15.6	15.9
87.5°	3.1	3.8	6.8	5.1	5.8	5.1	6.8	9.5	9.8	5.4	4.4
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)