

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: P527675

Luminaire Tested: **GLAN-SA2D-727-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527675  
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-SA2D-727-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7808 lumens  
Efficiency: N/A  
Efficacy: 62.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

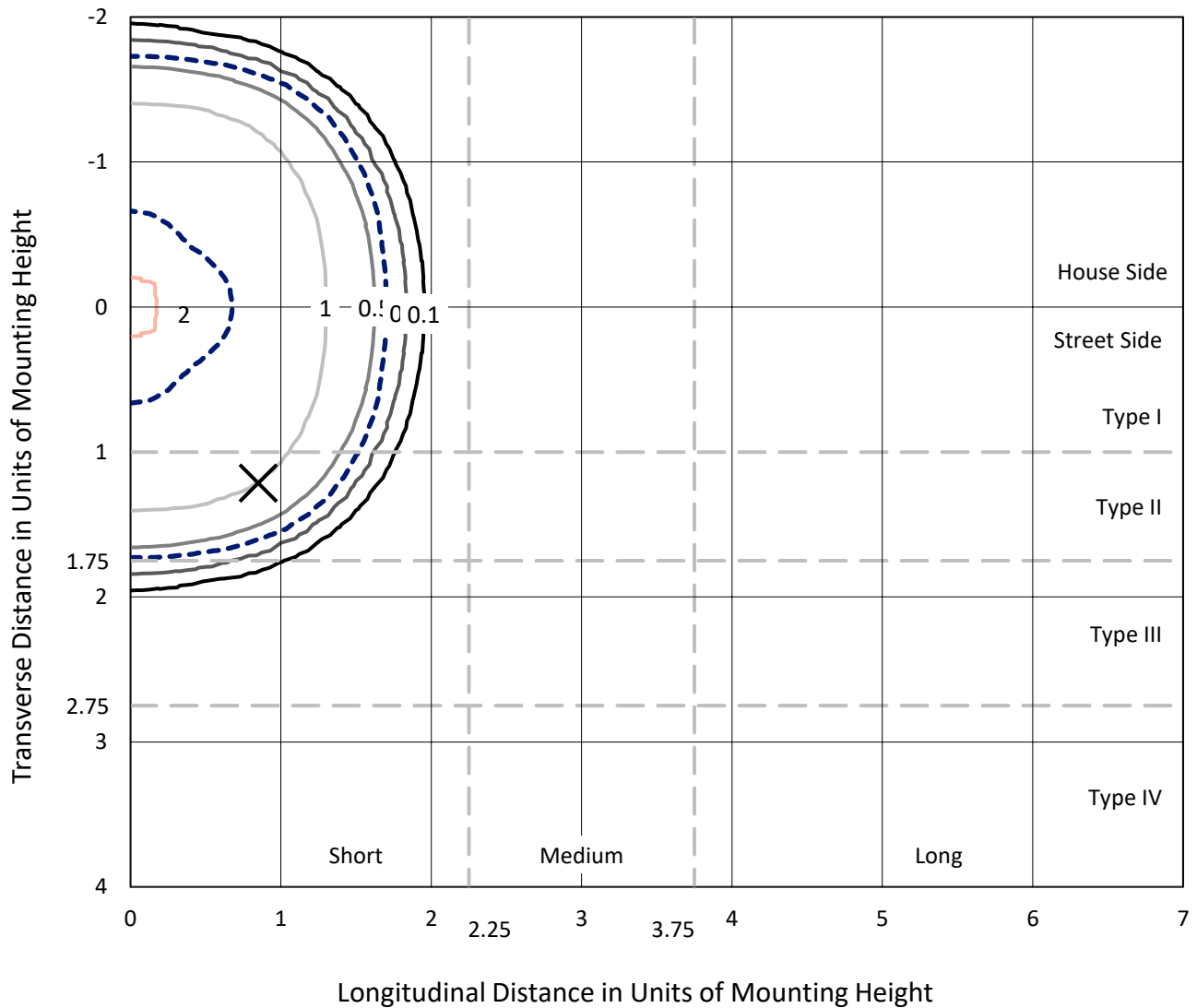
Input Watts (W): 125  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

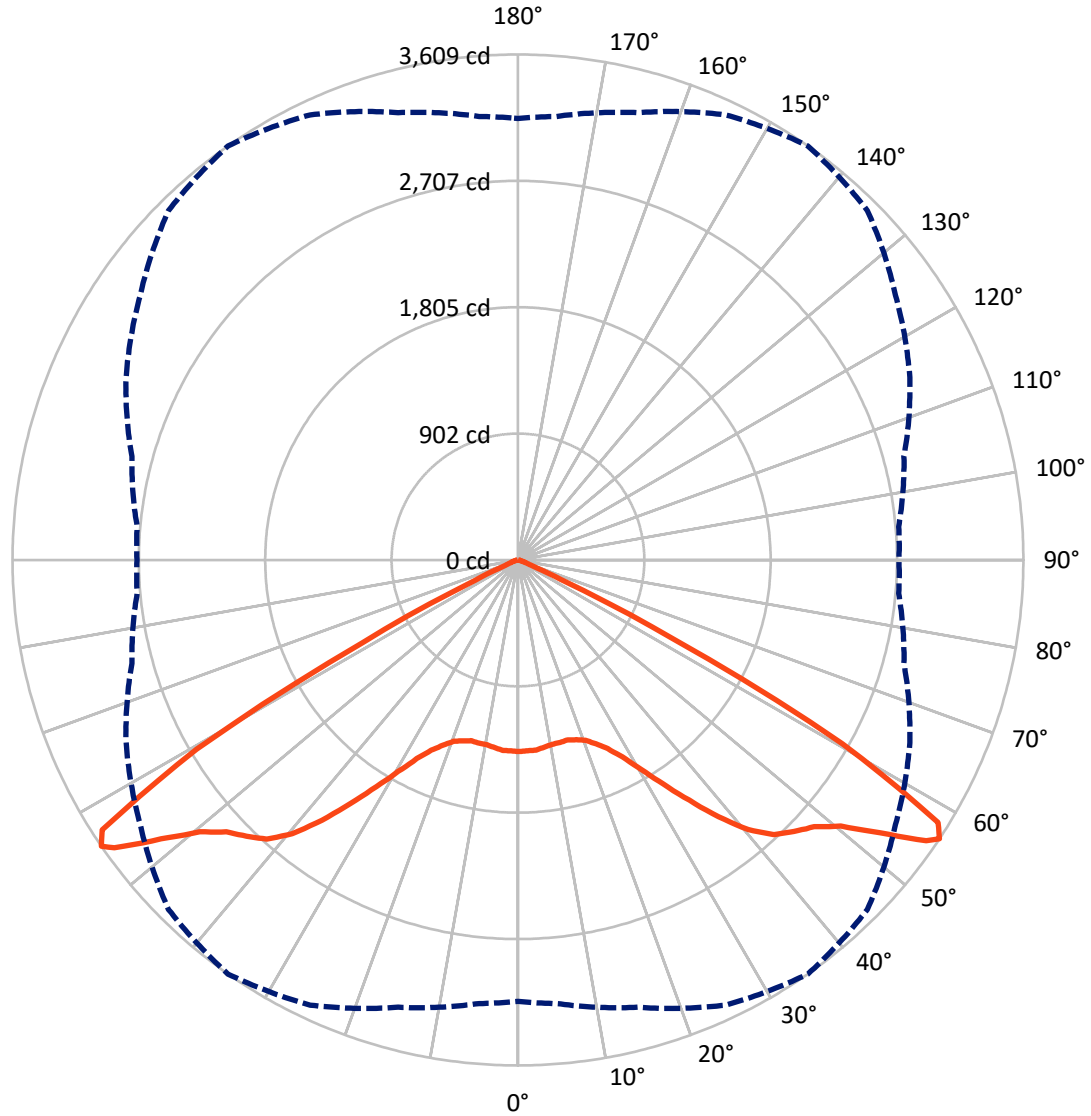
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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
<b>House Side</b>	Lumens	3904.0	0.0	3904.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3904.0	0.0	3904.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7808.0	0.0	7808.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.6	1.6
10°-20°	375.4	4.8
20°-30°	679.8	8.7
30°-40°	1260.6	16.1
40°-50°	2069.2	26.5
50°-60°	2665.7	34.1
60°-70°	587.5	7.5
70°-80°	34.1	0.4
80°-90°	7.2	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°	7808.0	100.0
0°-180°	7808.0	100.0

**Coefficient of Utilization**



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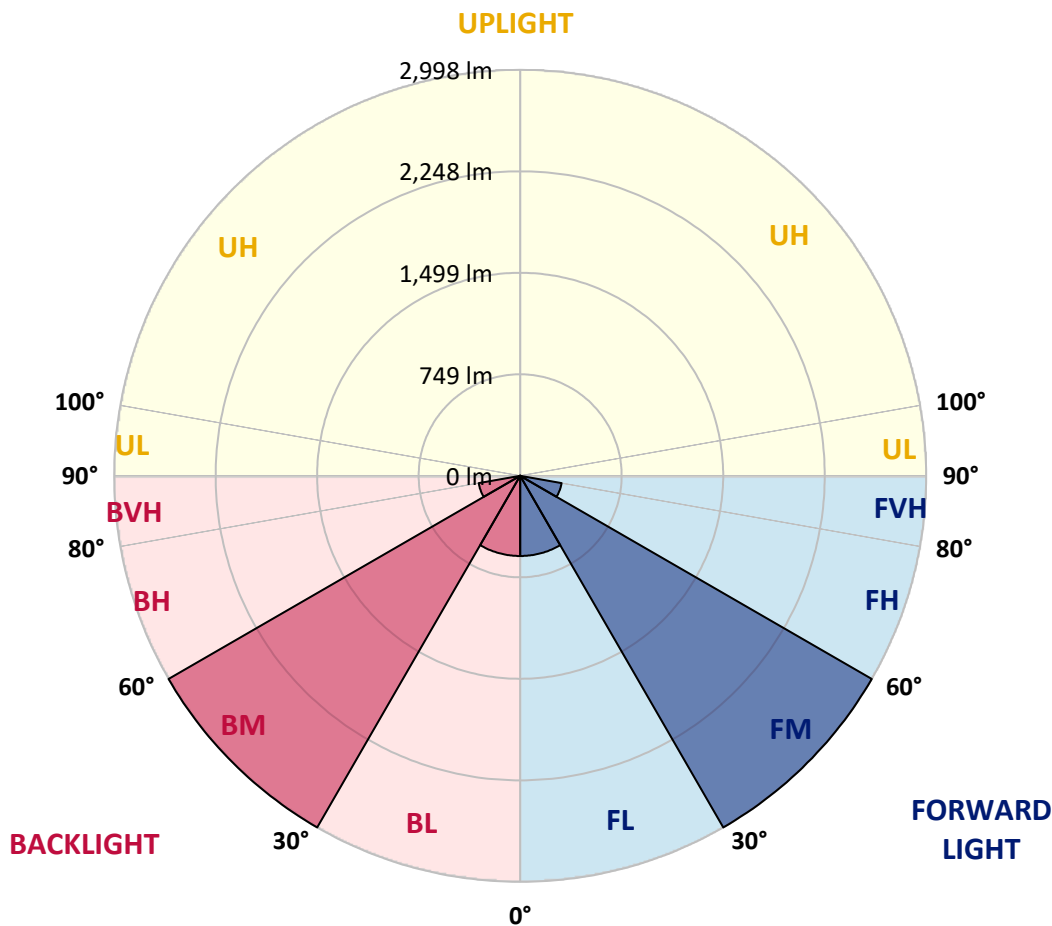
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.9	7.6			
FM (30°-60°)	2997.7	38.4			
FH (60°-80°)	310.8	4.0			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	591.9	7.6	B2/1000		
BM (30°-60°)	2997.7	38.4	B3/5000		
BH (60°-80°)	310.8	4.0	B1/500		G0/660
BVH (80°-90°)	3.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1368.1	1368.1	1368.1	1368.1	1368.1	1368.1	1368.1	1368.1	1368.1	1368.1	1368.1
2.5°	1371.0	1371.0	1372.4	1373.8	1363.9	1359.6	1361.1	1358.2	1356.8	1361.1	1361.1
5°	1366.7	1366.7	1362.5	1363.9	1363.9	1351.2	1351.2	1354.0	1354.0	1345.5	1342.7
7.5°	1355.4	1352.6	1346.9	1354.0	1349.7	1349.7	1339.8	1332.8	1329.9	1335.6	1329.9
10°	1331.3	1332.8	1338.4	1341.2	1338.4	1346.9	1329.9	1320.0	1310.1	1305.9	1305.9
12.5°	1320.0	1328.5	1320.0	1327.1	1337.0	1329.9	1320.0	1313.0	1298.8	1293.1	1293.1
15°	1318.6	1324.3	1327.1	1337.0	1332.8	1335.6	1315.8	1307.3	1286.1	1276.2	1271.9
17.5°	1317.2	1324.3	1328.5	1346.9	1349.7	1351.2	1335.6	1310.1	1291.7	1281.8	1271.9
20°	1332.8	1335.6	1344.1	1362.5	1373.8	1393.6	1365.3	1338.4	1298.8	1287.5	1283.2
22.5°	1352.6	1366.7	1375.2	1395.0	1424.7	1441.7	1404.9	1371.0	1329.9	1315.8	1298.8
25°	1416.2	1413.4	1427.6	1468.6	1492.6	1505.4	1475.7	1426.1	1372.4	1355.4	1358.2
27.5°	1495.5	1498.3	1511.0	1556.3	1591.7	1611.5	1576.1	1511.0	1458.7	1430.4	1427.6
30°	1598.7	1595.9	1610.1	1670.9	1734.6	1764.3	1702.0	1625.6	1574.7	1537.9	1546.4
32.5°	1707.7	1709.1	1748.7	1803.9	1907.2	1965.2	1864.7	1771.4	1695.0	1669.5	1656.8
35°	1869.0	1876.0	1907.2	1992.1	2106.7	2181.7	2071.3	1959.5	1871.8	1825.1	1830.8
37.5°	2068.5	2061.4	2113.7	2205.7	2326.0	2381.1	2287.8	2160.4	2071.3	2040.2	2060.0
40°	2280.7	2287.8	2314.6	2398.1	2532.5	2569.3	2430.7	2361.3	2283.5	2268.0	2292.0
42.5°	2492.9	2488.7	2508.5	2583.5	2681.1	2655.6	2573.6	2532.5	2477.3	2446.2	2478.8
45°	2648.5	2641.5	2678.3	2729.2	2764.6	2716.5	2679.7	2665.5	2637.2	2603.3	2633.0
47.5°	2799.9	2794.3	2829.6	2843.8	2846.6	2782.9	2790.0	2815.5	2744.7	2674.0	2708.0
50°	2928.7	2918.8	2962.6	2993.8	2986.7	2884.8	2910.3	2884.8	2774.5	2691.0	2678.3
52.5°	3143.7	3148.0	3194.7	3251.3	3234.3	3149.4	3112.6	2996.6	2855.1	2780.1	2736.3
55°	3279.5	3258.3	3339.0	3518.7	3538.5	3450.7	3288.0	3116.8	2904.6	2812.7	2801.3
56°	3152.2	3179.1	3306.4	3507.3	3609.2	3528.6	3292.3	3087.1	2853.7	2729.2	2720.7
57.5°	2828.2	2814.1	2986.7	3261.2	3538.5	3504.5	3176.3	2874.9	2603.3	2463.2	2446.2
60°	1760.0	1801.1	1952.4	2292.0	2662.7	2679.7	2354.3	2095.3	1778.4	1653.9	1683.6
62.5°	689.0	653.6	748.4	1001.7	1256.4	1313.0	1189.9	989.0	812.1	689.0	680.5
65°	159.9	155.6	175.4	241.9	338.1	391.9	372.1	267.4	196.7	186.8	172.6
67.5°	90.5	90.5	86.3	86.3	94.8	100.5	96.2	94.8	99.0	103.3	101.9
70°	63.7	62.3	59.4	60.8	58.0	58.0	62.3	69.3	75.0	75.0	76.4
72.5°	38.2	38.2	38.2	42.4	42.4	42.4	46.7	52.3	53.8	52.3	50.9
75°	17.0	17.0	19.8	24.1	26.9	28.3	32.5	35.4	38.2	35.4	32.5
77.5°	4.2	4.2	7.1	9.9	12.7	15.6	21.2	25.5	26.9	25.5	21.2
80°	1.4	1.4	2.8	7.1	12.7	15.6	21.2	22.6	24.1	21.2	17.0
82.5°	1.4	1.4	2.8	7.1	9.9	12.7	17.0	19.8	21.2	18.4	17.0
85°	0.0	1.4	2.8	5.7	8.5	11.3	11.3	8.5	7.1	4.2	5.7
87.5°	0.0	0.0	1.4	1.4	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)