

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: P527679

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6787 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

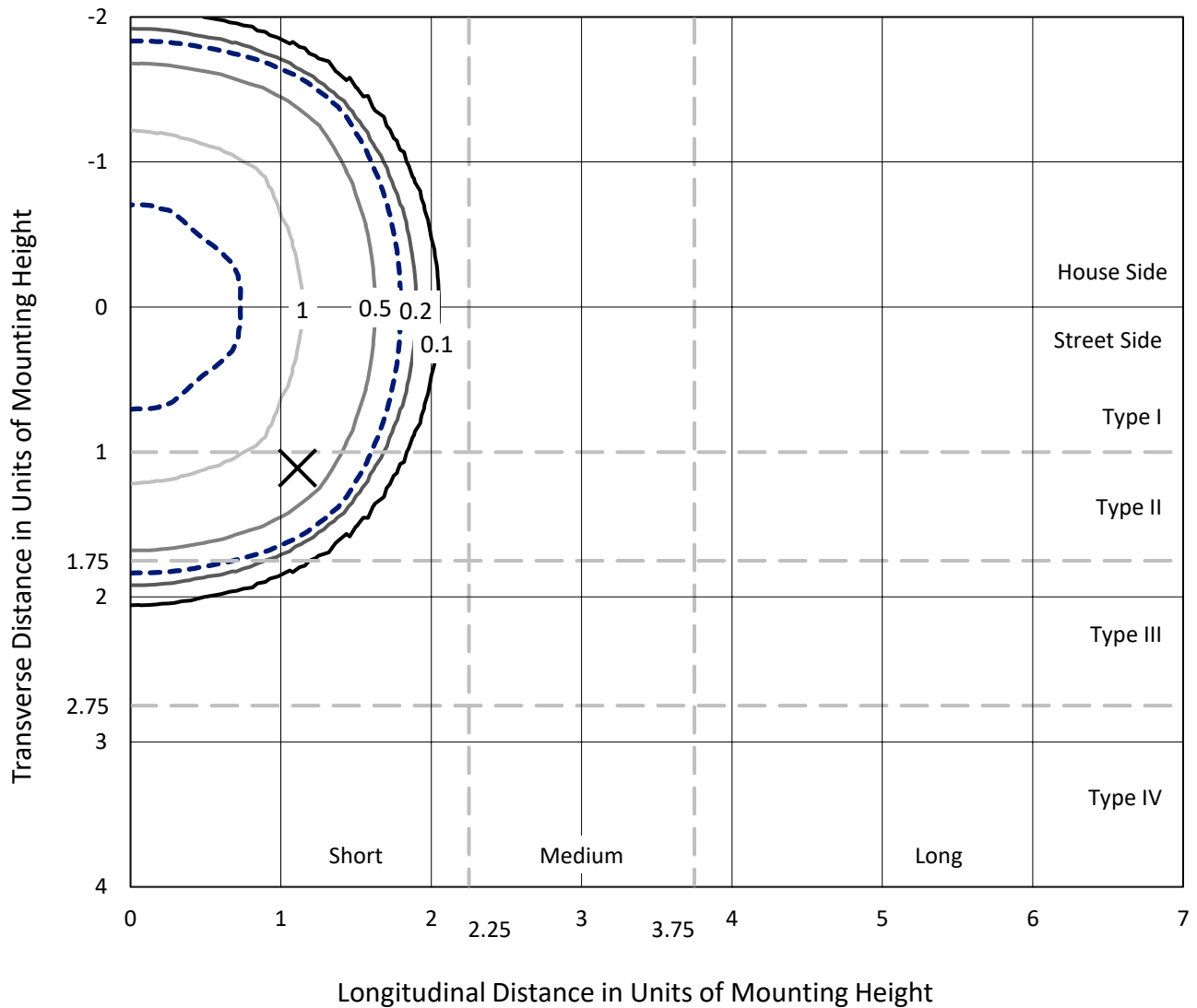
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

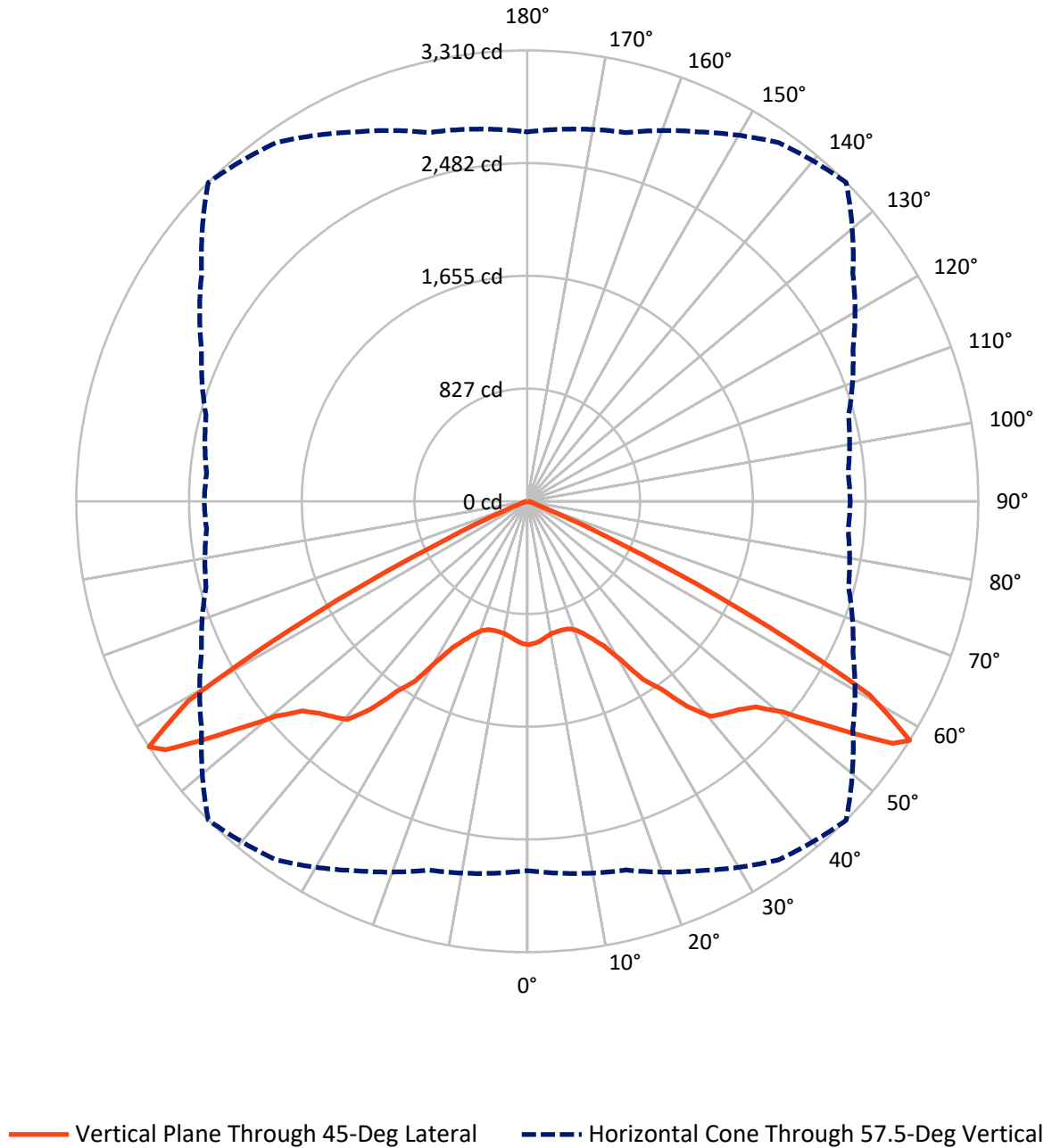
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3393.5	0.0	3393.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3393.5	0.0	3393.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6787.0	0.0	6787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	1.4
10°-20°	279.6	4.1
20°-30°	516.2	7.6
30°-40°	1015.1	15.0
40°-50°	1653.3	24.4
50°-60°	2357.8	34.7
60°-70°	816.3	12.0
70°-80°	43.8	0.6
80°-90°	8.2	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°	6787.0	100.0
0°-180°	6787.0	100.0

Coefficient of Utilization

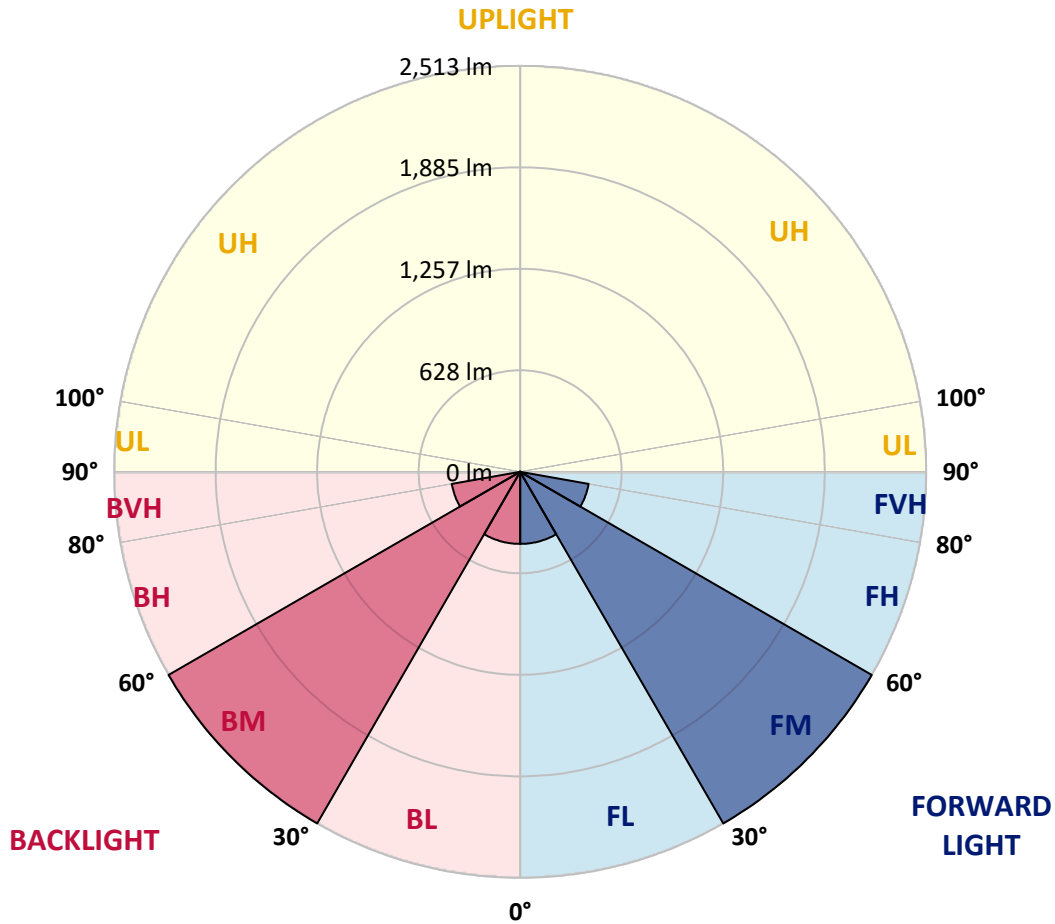


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.3	6.6			
FM (30°-60°)	2513.1	37.0			
FH (60°-80°)	430.1	6.3			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	446.3	6.6	B1/500		
BM (30°-60°)	2513.1	37.0	B3/5000		
BH (60°-80°)	430.1	6.3	B1/500		G0/660
BVH (80°-90°)	4.1	0.1			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°	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7	1052.7
2.5°	1049.9	1055.6	1048.5	1045.7	1044.2	1044.2	1040.0	1040.0	1038.6	1040.0	1034.3
5°	1032.9	1038.6	1038.6	1037.2	1028.7	1027.3	1023.0	1020.2	1021.6	1015.9	1020.2
7.5°	1015.9	1020.2	1014.5	1013.1	1010.3	1004.6	1003.2	990.5	991.9	991.9	994.7
10°	1013.1	1011.7	1003.2	996.1	987.6	986.2	982.0	979.2	979.2	977.7	982.0
12.5°	1013.1	1006.0	1004.6	989.1	974.9	980.6	969.3	962.2	972.1	974.9	980.6
15°	1011.7	1018.8	994.7	987.6	977.7	979.2	969.3	962.2	967.8	970.7	974.9
17.5°	1020.2	1015.9	1008.9	994.7	990.5	984.8	972.1	966.4	966.4	973.5	974.9
20°	1042.8	1031.5	1017.4	1010.3	1014.5	1007.5	991.9	970.7	976.3	982.0	986.2
22.5°	1064.1	1055.6	1045.7	1041.4	1065.5	1054.1	1027.3	1003.2	994.7	1004.6	1011.7
25°	1105.1	1105.1	1086.7	1092.4	1119.2	1120.7	1089.5	1047.1	1041.4	1045.7	1048.5
27.5°	1188.6	1192.8	1177.3	1182.9	1194.2	1204.1	1177.3	1141.9	1129.1	1127.7	1132.0
30°	1279.1	1287.6	1286.2	1310.3	1342.8	1348.5	1308.8	1250.8	1212.6	1205.6	1211.2
32.5°	1398.0	1402.2	1399.4	1427.7	1515.4	1556.5	1453.2	1371.1	1320.2	1332.9	1320.2
35°	1621.6	1617.3	1586.2	1591.8	1664.0	1693.7	1594.7	1542.3	1518.3	1543.7	1538.1
37.5°	1814.0	1798.4	1773.0	1809.7	1884.7	1911.6	1808.3	1716.4	1672.5	1714.9	1733.3
40°	1976.7	1937.1	1901.7	1938.5	2039.0	2075.8	1924.4	1849.4	1832.4	1863.5	1903.1
42.5°	2114.0	2088.5	2041.8	2044.6	2111.1	2128.1	2006.4	1962.6	1945.6	1995.1	2014.9
45°	2211.6	2187.5	2143.7	2140.8	2191.8	2180.5	2071.5	2041.8	2051.7	2084.2	2094.1
47.5°	2261.1	2273.9	2248.4	2255.5	2282.3	2255.5	2169.1	2169.1	2146.5	2166.3	2156.4
50°	2404.0	2364.4	2397.0	2397.0	2425.3	2428.1	2341.8	2310.6	2249.8	2215.8	2215.8
52.5°	2571.0	2573.8	2586.6	2633.3	2681.4	2722.4	2599.3	2466.3	2364.4	2320.5	2314.9
55°	2708.2	2736.5	2787.5	2875.2	3013.9	3070.5	2858.2	2620.5	2496.0	2428.1	2413.9
56°	2783.2	2756.4	2844.1	2964.4	3145.5	3219.0	2900.7	2651.6	2514.4	2438.0	2436.6
57.5°	2711.1	2740.8	2801.6	2991.2	3213.4	3309.6	2916.2	2637.5	2440.8	2363.0	2370.1
60°	2140.8	2169.1	2251.2	2463.5	2811.5	2886.5	2467.7	2174.8	1999.3	1887.6	1889.0
62.5°	1211.2	1232.4	1296.1	1492.8	1709.3	1781.4	1538.1	1342.8	1221.1	1158.9	1139.0
65°	445.7	437.2	447.1	547.6	680.6	741.4	639.6	540.5	476.8	454.2	445.7
67.5°	167.0	154.2	144.3	154.2	193.9	205.2	188.2	157.1	147.2	151.4	154.2
70°	103.3	97.6	77.8	73.6	72.2	70.7	75.0	79.2	90.6	106.1	109.0
72.5°	72.2	67.9	55.2	52.4	49.5	48.1	55.2	60.8	70.7	82.1	83.5
75°	28.3	29.7	28.3	31.1	32.5	34.0	39.6	43.9	48.1	48.1	46.7
77.5°	5.7	5.7	8.5	11.3	14.1	18.4	26.9	31.1	32.5	31.1	26.9
80°	0.0	0.0	2.8	5.7	11.3	15.6	24.1	26.9	29.7	26.9	21.2
82.5°	0.0	0.0	2.8	7.1	11.3	14.1	22.6	28.3	32.5	29.7	22.6
85°	0.0	0.0	2.8	5.7	8.5	9.9	9.9	7.1	7.1	4.2	2.8
87.5°	0.0	0.0	0.0	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)