

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: P451772

Luminaire Tested: **GLAN-SA2C-830-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P451772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2C-830-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11215 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

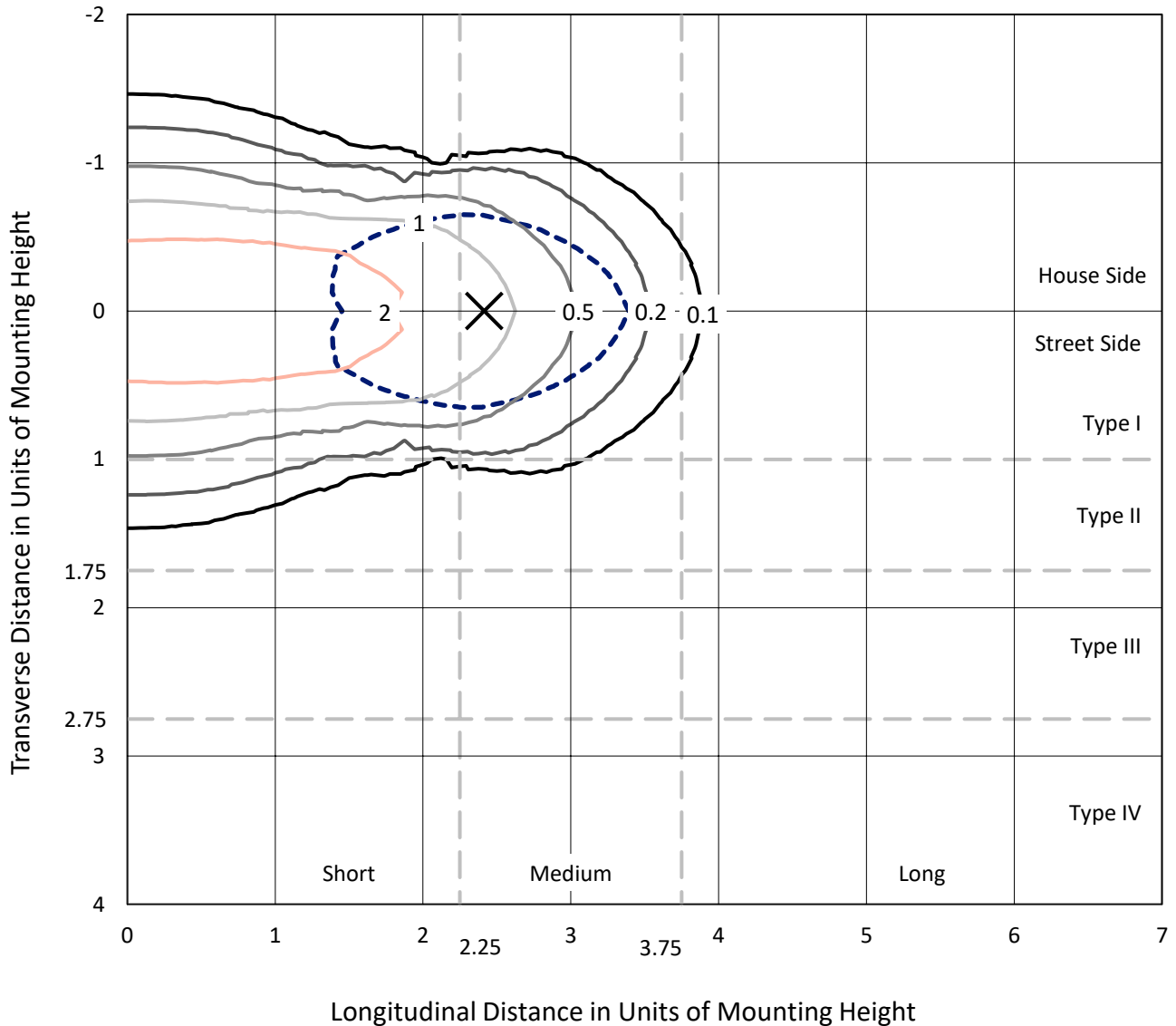
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

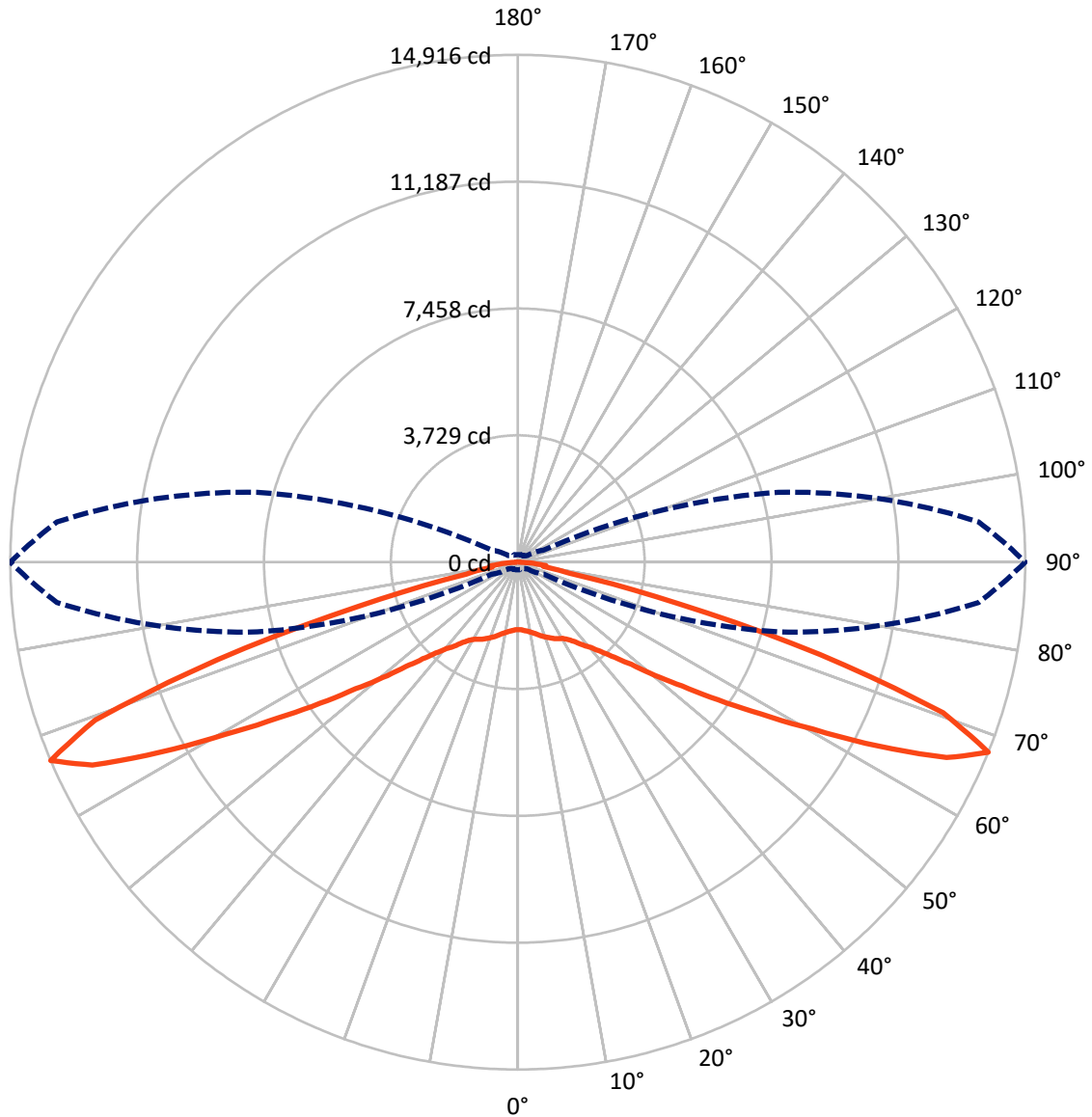
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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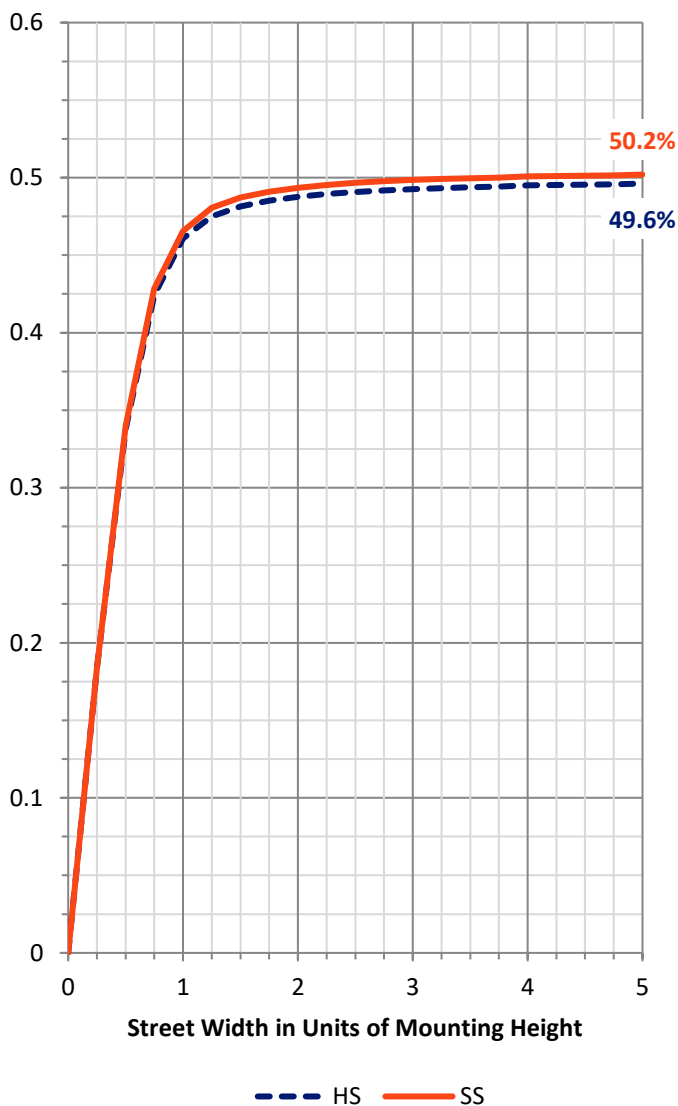
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5607.5	0.0	5607.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5607.5	0.0	5607.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11215.0	0.0	11215.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.9	1.8
10°-20°	633.3	5.6
20°-30°	1060.0	9.5
30°-40°	1436.0	12.8
40°-50°	1819.0	16.2
50°-60°	2272.4	20.3
60°-70°	2671.1	23.8
70°-80°	1021.8	9.1
80°-90°	103.5	0.9
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°	11215.0	100.0
0°-180°	11215.0	100.0

**Coefficient of Utilization**



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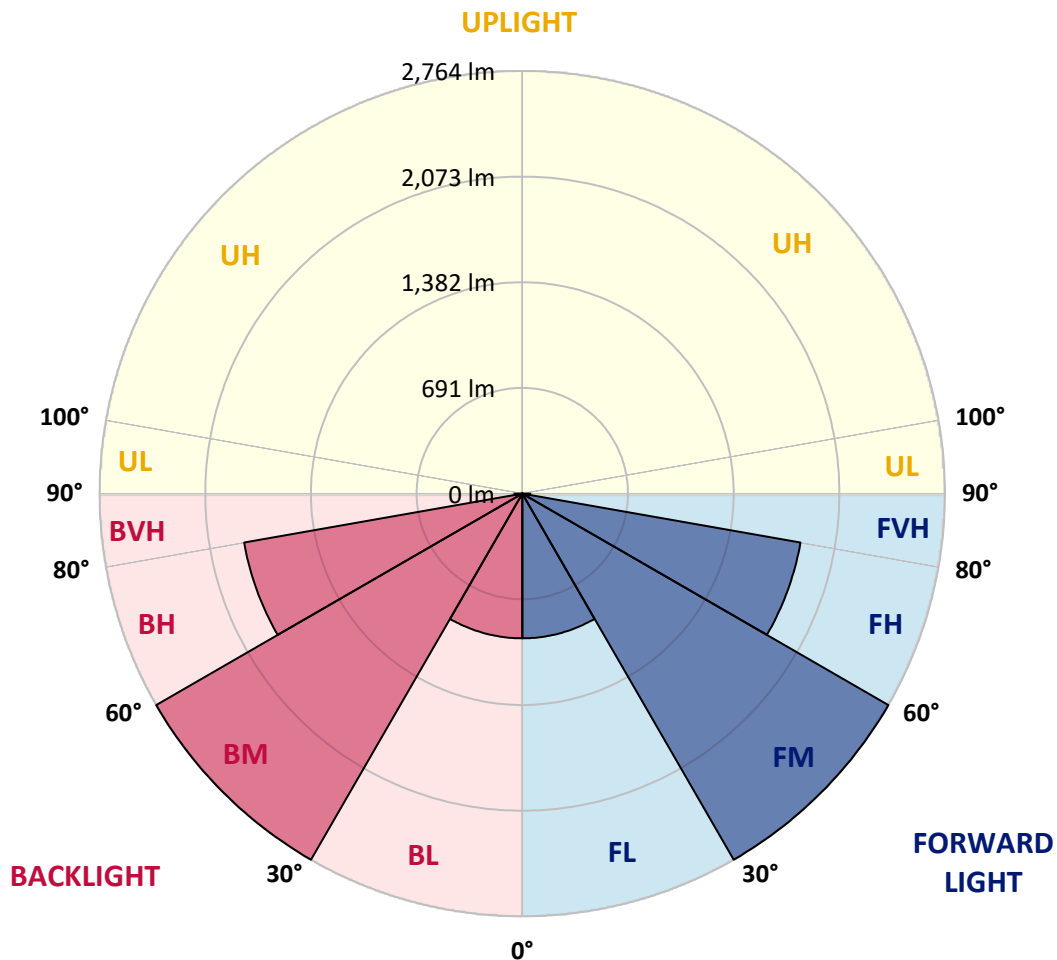
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.6	8.4			
FM	(30°-60°)	2763.7	24.6			
FH	(60°-80°)	1846.4	16.5			G2/5000
FVH	(80°-90°)	51.8	0.5			G1/100
BL	(0°-30°)	945.6	8.4	B2/1000		
BM	(30°-60°)	2763.7	24.6	B3/5000		
BH	(60°-80°)	1846.4	16.5	B3/2500		G3/2500
BVH	(80°-90°)	51.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1985.4	1985.4	1985.4	1985.4	1985.4	1985.4	1985.4	1985.4	1985.4	1985.4	1985.4
2.5°	2010.9	2009.6	2010.2	2009.6	2011.5	2010.2	2002.8	1996.6	1991.6	1992.2	1990.4
5°	2053.7	2054.3	2055.0	2051.9	2056.2	2053.7	2041.9	2032.0	2022.0	2018.3	2017.1
7.5°	2089.1	2092.2	2094.1	2097.2	2104.6	2104.6	2098.4	2084.1	2062.4	2050.0	2049.4
10°	2124.5	2127.0	2132.6	2142.5	2154.9	2166.7	2164.3	2145.0	2117.1	2095.9	2091.0
12.5°	2136.9	2140.0	2158.7	2187.2	2215.2	2238.2	2238.2	2222.6	2186.6	2154.3	2145.0
15°	2093.5	2099.1	2132.6	2193.4	2266.7	2317.0	2328.2	2306.5	2268.0	2218.3	2207.1
17.5°	2007.1	2020.8	2069.9	2159.9	2281.6	2386.0	2418.3	2407.7	2358.0	2294.7	2281.6
20°	1914.6	1929.5	1981.7	2100.9	2269.2	2426.3	2520.1	2522.6	2461.1	2369.2	2349.9
22.5°	1812.8	1823.9	1891.0	2030.7	2231.9	2435.6	2607.7	2650.5	2567.3	2443.7	2416.4
25°	1698.5	1710.9	1781.1	1932.0	2161.8	2425.1	2687.8	2782.2	2678.5	2523.2	2488.4
27.5°	1589.2	1594.2	1669.3	1822.7	2069.2	2397.8	2746.8	2903.3	2801.4	2589.0	2544.9
30°	1484.2	1496.0	1562.5	1714.0	1963.0	2344.4	2797.7	3041.1	2933.7	2658.0	2601.5
32.5°	1373.1	1387.4	1459.4	1612.8	1856.9	2264.2	2828.8	3192.0	3118.1	2769.8	2709.5
35°	1266.3	1275.6	1348.2	1497.3	1753.1	2171.1	2834.3	3362.2	3356.0	2939.3	2859.2
37.5°	1157.0	1170.6	1243.9	1386.7	1643.2	2072.3	2806.4	3542.9	3642.9	3174.7	3088.3
40°	1052.0	1063.8	1135.8	1279.9	1518.4	1951.9	2739.9	3708.1	3977.6	3416.9	3294.5
42.5°	937.7	940.8	1019.7	1166.3	1396.1	1812.1	2644.3	3855.3	4350.9	3741.7	3589.5
45°	807.9	816.0	889.3	1033.4	1255.7	1655.6	2514.5	3977.0	4824.1	4191.9	3984.5
47.5°	678.2	685.0	752.1	894.3	1102.3	1476.2	2314.5	4083.8	5309.7	4763.9	4491.8
50°	551.5	555.2	609.8	735.9	929.7	1287.4	2066.8	4118.0	5858.7	5573.7	5226.5
52.5°	436.0	441.5	483.2	581.9	745.2	1064.4	1799.1	4033.5	6499.6	6533.8	6044.4
55°	353.4	355.2	386.3	458.9	582.5	830.9	1476.2	3798.2	7188.9	7764.0	7139.9
57.5°	304.3	305.5	322.9	363.3	448.4	626.6	1145.2	3352.9	7808.1	9205.4	8403.0
60°	276.4	277.0	286.9	310.5	355.2	480.7	820.4	2724.4	8419.2	10809.5	9973.0
62.5°	259.0	259.0	265.8	278.8	300.6	368.9	594.3	1965.5	8837.8	12437.2	11908.1
65°	242.2	242.2	247.2	256.5	268.3	301.8	439.1	1281.8	8827.2	13622.7	13854.4
67.5°	222.9	222.9	226.7	236.0	242.8	259.6	339.1	839.6	7929.2	13596.6	14916.3
70°	200.0	200.0	204.9	213.0	218.6	229.2	267.7	574.4	5825.2	11609.4	13265.6
72.5°	177.0	177.6	180.7	188.8	193.1	199.3	222.3	402.4	3573.4	7905.0	9275.6
75°	151.5	152.8	155.9	163.9	167.7	170.2	187.5	286.9	1807.8	4262.1	4852.7
77.5°	122.3	124.8	126.7	135.4	137.9	141.6	154.6	207.4	793.7	1531.4	1545.1
80°	89.4	92.5	98.1	106.2	108.1	110.5	118.0	147.2	359.6	699.3	759.5
82.5°	65.8	70.2	63.3	73.9	73.9	70.8	83.2	98.7	165.2	692.4	828.4
85°	36.0	36.6	32.9	37.9	40.4	39.7	44.1	48.4	80.1	462.0	476.3
87.5°	8.7	9.3	9.9	11.8	14.3	14.3	15.5	13.7	26.1	149.7	85.7
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)