

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: P452452

Luminaire Tested: **GLAN-SA3B-830-U-5MQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452452  
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-SA3B-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14157 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

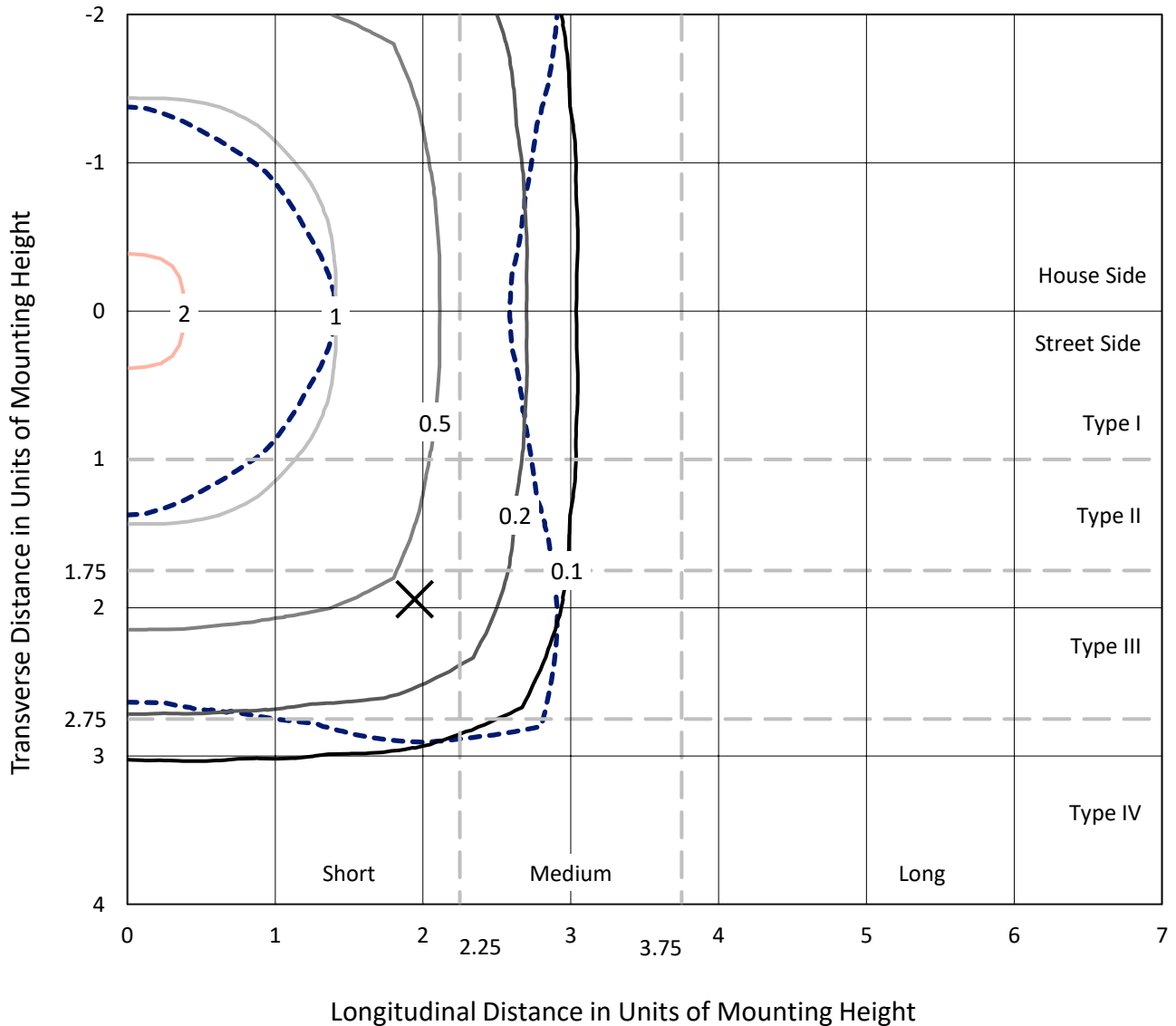
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

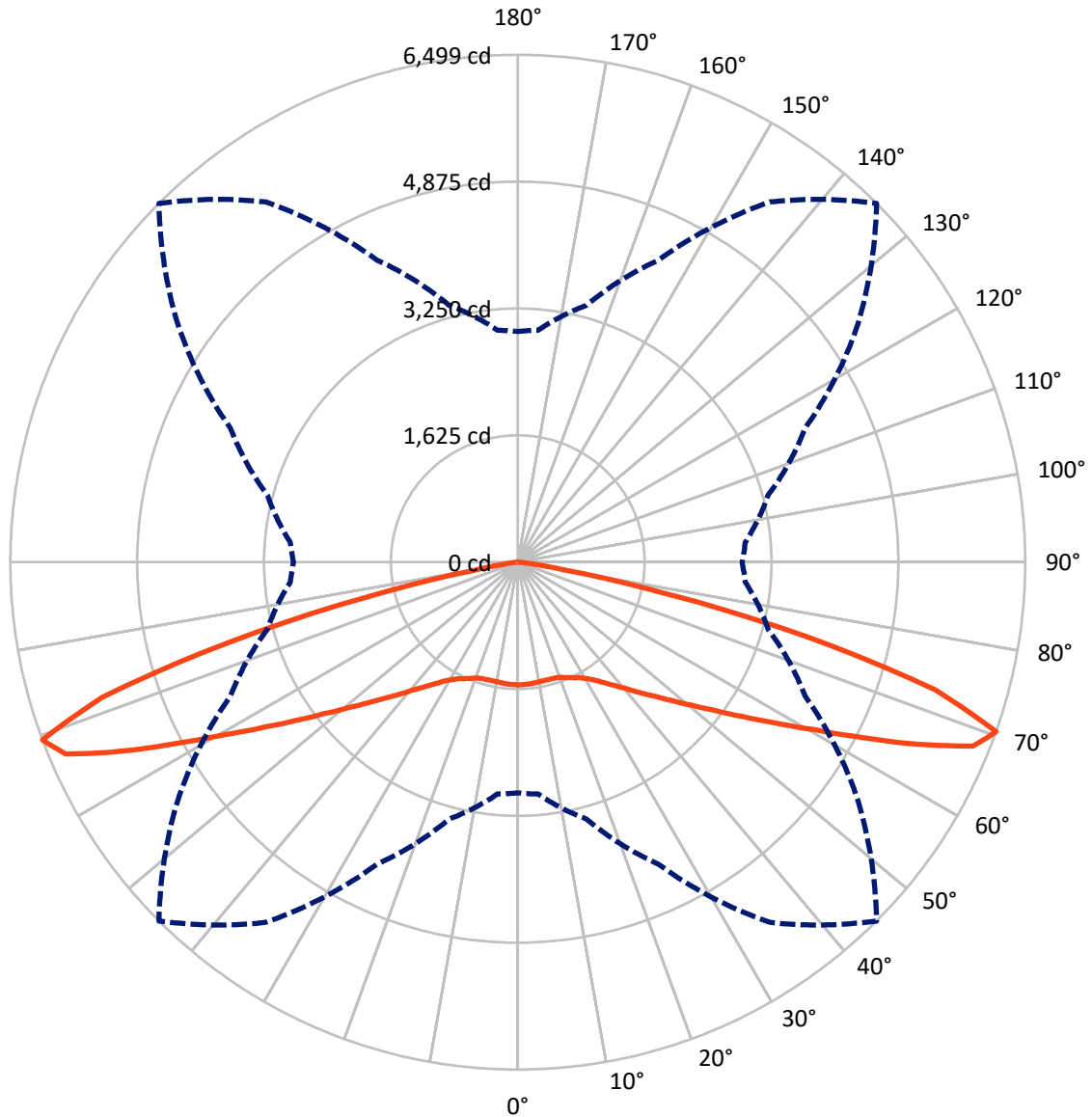
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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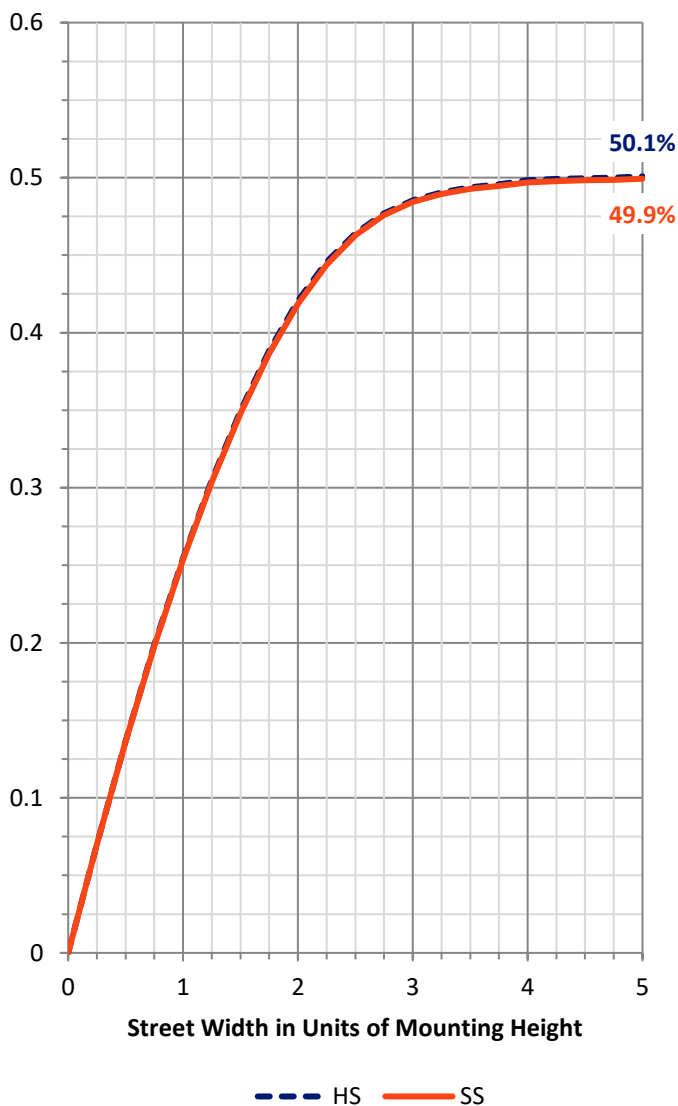
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7078.5	0.0	7078.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7078.5	0.0	7078.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14157.0	0.0	14157.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.1	1.1
10°-20°	437.5	3.1
20°-30°	748.2	5.3
30°-40°	1187.5	8.4
40°-50°	1915.8	13.5
50°-60°	3117.0	22.0
60°-70°	4518.6	31.9
70°-80°	2004.3	14.2
80°-90°	79.0	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°	14157.0	100.0
0°-180°	14157.0	100.0

**Coefficient of Utilization**



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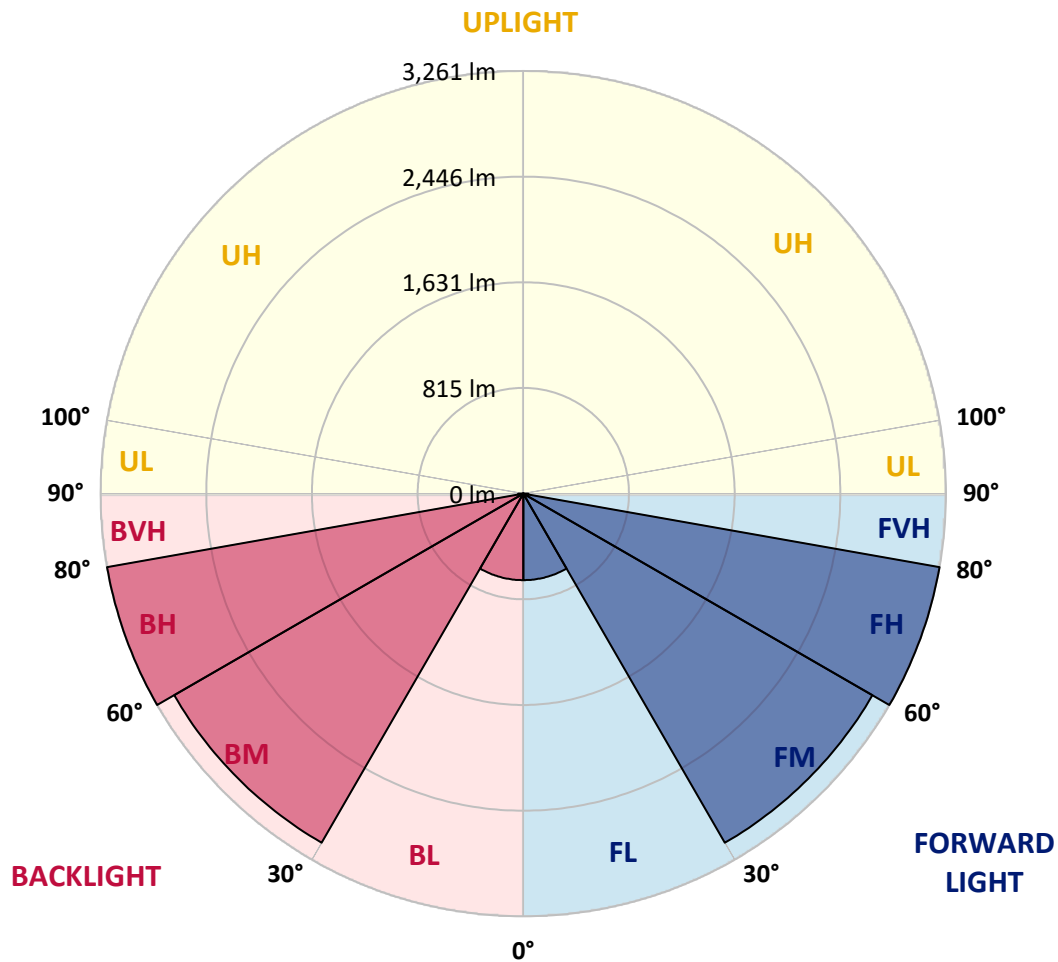
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.4	4.7			
FM (30°-60°)	3110.2	22.0			
FH (60°-80°)	3261.4	23.0			G2/5000
FVH (80°-90°)	39.5	0.3			G1/100
BL (0°-30°)	667.4	4.7	B2/1000		
BM (30°-60°)	3110.2	22.0	B3/5000		
BH (60°-80°)	3261.4	23.0	B4/5000		G2/5000
BVH (80°-90°)	39.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1	1572.1
2.5°	1572.1	1573.6	1571.3	1569.8	1569.1	1569.1	1568.3	1569.1	1573.6	1574.3	1572.1
5°	1567.6	1569.1	1568.3	1566.8	1566.1	1566.1	1565.4	1564.6	1568.3	1569.8	1569.1
7.5°	1561.6	1562.4	1561.6	1560.9	1561.6	1560.9	1558.6	1557.1	1560.1	1560.1	1559.4
10°	1551.2	1552.7	1551.9	1552.7	1554.2	1554.2	1551.2	1548.2	1548.9	1547.4	1547.4
12.5°	1538.5	1540.7	1541.5	1544.5	1548.2	1552.7	1546.0	1539.2	1537.7	1537.0	1536.3
15°	1530.3	1532.5	1535.5	1538.5	1545.2	1554.9	1545.2	1534.8	1531.8	1528.8	1527.3
17.5°	1528.0	1531.0	1535.5	1540.0	1548.9	1558.6	1550.4	1540.0	1532.5	1528.0	1526.6
20°	1534.0	1536.3	1543.0	1551.2	1563.9	1573.6	1565.4	1554.2	1543.0	1536.3	1534.0
22.5°	1546.0	1549.7	1557.9	1572.8	1590.7	1604.9	1593.7	1575.1	1557.1	1548.2	1545.2
25°	1572.1	1575.1	1584.8	1604.9	1625.8	1639.2	1627.3	1605.6	1581.0	1569.1	1565.4
27.5°	1611.6	1616.1	1626.5	1650.4	1667.6	1675.0	1666.8	1651.9	1634.0	1621.3	1618.3
30°	1667.6	1672.8	1688.5	1713.8	1725.0	1729.5	1725.8	1716.1	1703.4	1690.0	1687.0
32.5°	1742.9	1745.9	1763.8	1787.7	1798.1	1799.6	1795.2	1790.7	1769.8	1747.4	1745.9
35°	1827.2	1832.5	1854.1	1882.5	1892.2	1892.9	1883.9	1877.2	1852.6	1834.7	1834.7
37.5°	1939.2	1941.4	1962.3	1994.4	2004.8	2001.8	1997.4	1991.4	1965.3	1942.1	1942.9
40°	2070.5	2075.0	2092.9	2130.2	2130.2	2126.4	2129.4	2124.9	2098.8	2076.4	2077.2
42.5°	2226.4	2228.7	2250.3	2289.8	2286.8	2279.4	2282.4	2276.4	2260.0	2234.6	2225.7
45°	2392.8	2401.8	2439.1	2477.1	2471.1	2447.3	2459.2	2457.7	2442.8	2404.7	2407.0
47.5°	2593.5	2608.4	2644.2	2689.8	2683.0	2645.7	2659.2	2668.1	2647.2	2605.4	2598.0
50°	2819.6	2829.3	2882.2	2924.8	2918.8	2879.3	2909.9	2911.3	2859.1	2800.2	2800.2
52.5°	3060.6	3070.3	3141.9	3208.3	3212.0	3154.6	3179.2	3177.7	3092.7	3015.1	3000.1
55°	3330.7	3335.1	3427.7	3525.4	3546.3	3490.3	3493.3	3463.5	3353.0	3262.8	3254.6
57.5°	3609.7	3626.1	3728.3	3855.2	3917.1	3882.8	3867.1	3787.3	3680.6	3576.9	3571.7
60°	3918.6	3919.4	4052.2	4202.1	4327.5	4350.6	4286.4	4179.7	4041.7	3904.4	3898.5
62.5°	4132.7	4164.8	4332.7	4586.4	4811.0	4940.8	4771.4	4547.6	4276.0	4054.4	4032.0
65°	4176.8	4198.4	4454.3	4884.1	5342.9	5622.7	5231.0	4755.0	4291.7	3996.2	3981.3
67.5°	3820.9	3844.0	4188.7	4848.3	5716.0	6289.8	5529.5	4655.0	4026.0	3660.4	3631.4
70°	2955.4	2981.5	3407.5	4267.8	5633.2	6499.4	5316.8	4060.4	3320.2	2925.5	2872.5
72.5°	1571.3	1667.6	2031.7	2929.3	4572.2	5595.9	4359.6	2962.8	2141.4	1750.4	1680.3
75°	573.8	585.7	788.6	1299.0	2659.9	3837.3	2762.1	1413.1	812.5	627.5	595.4
77.5°	237.3	236.5	259.6	392.5	966.2	1965.3	1078.1	414.8	258.9	239.5	236.5
80°	140.3	140.3	154.4	163.4	254.4	593.2	284.3	185.0	155.2	141.8	144.0
82.5°	62.7	66.4	97.7	103.0	123.1	162.7	137.3	117.9	101.5	70.1	63.4
85°	34.3	29.8	51.5	53.7	58.9	60.4	64.9	64.2	58.9	34.3	35.1
87.5°	6.7	8.2	14.9	11.2	12.7	11.2	14.9	20.9	21.6	11.9	9.7
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)