

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: P452283

Luminaire Tested: **GLAN-SA3B-727-U-RW**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P452283  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-727-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14657 lumens  
Efficiency: N/A  
Efficacy: 121.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

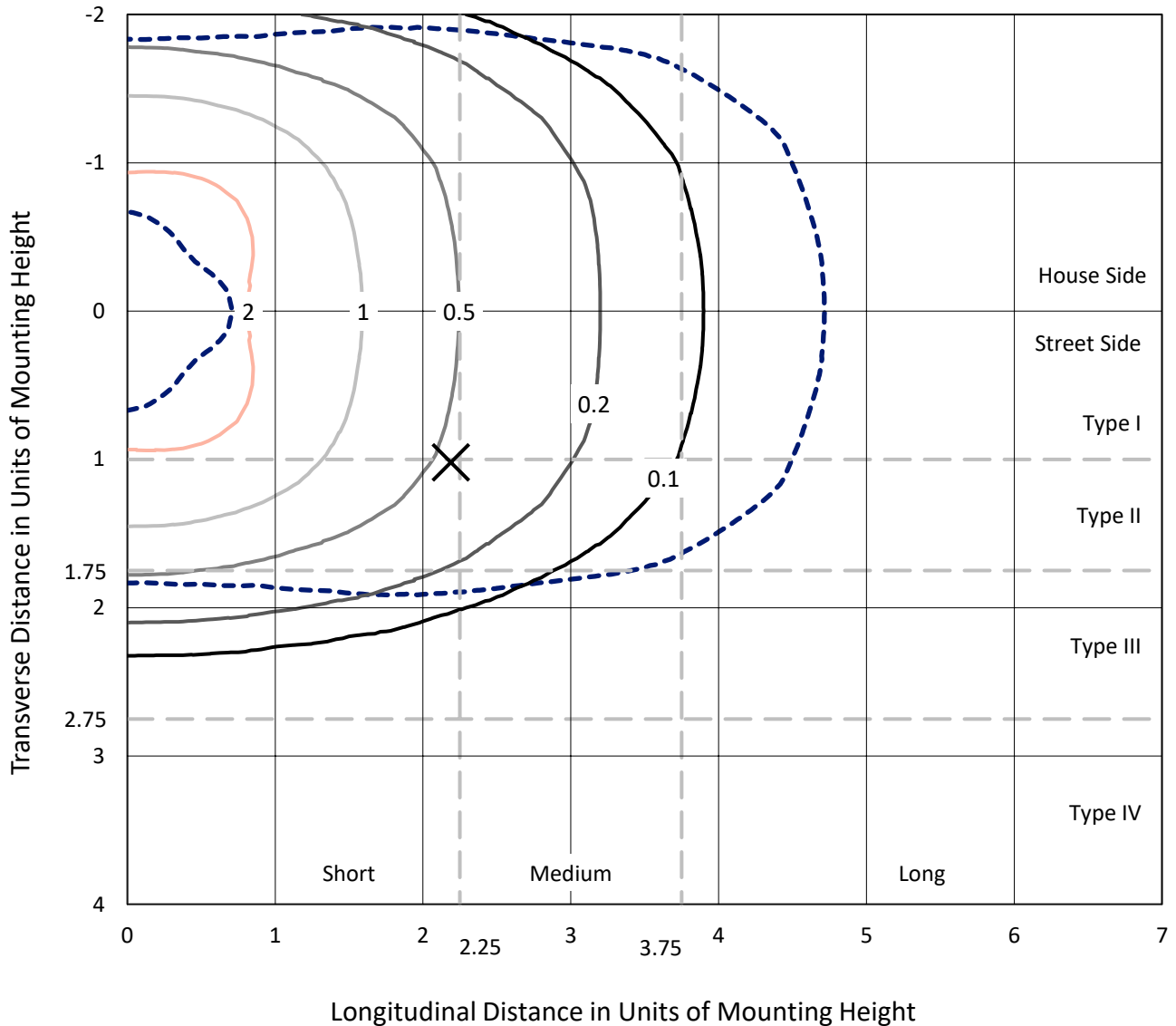
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P452283  
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### Iso-Footcandle Lines of Horizontal Illumination

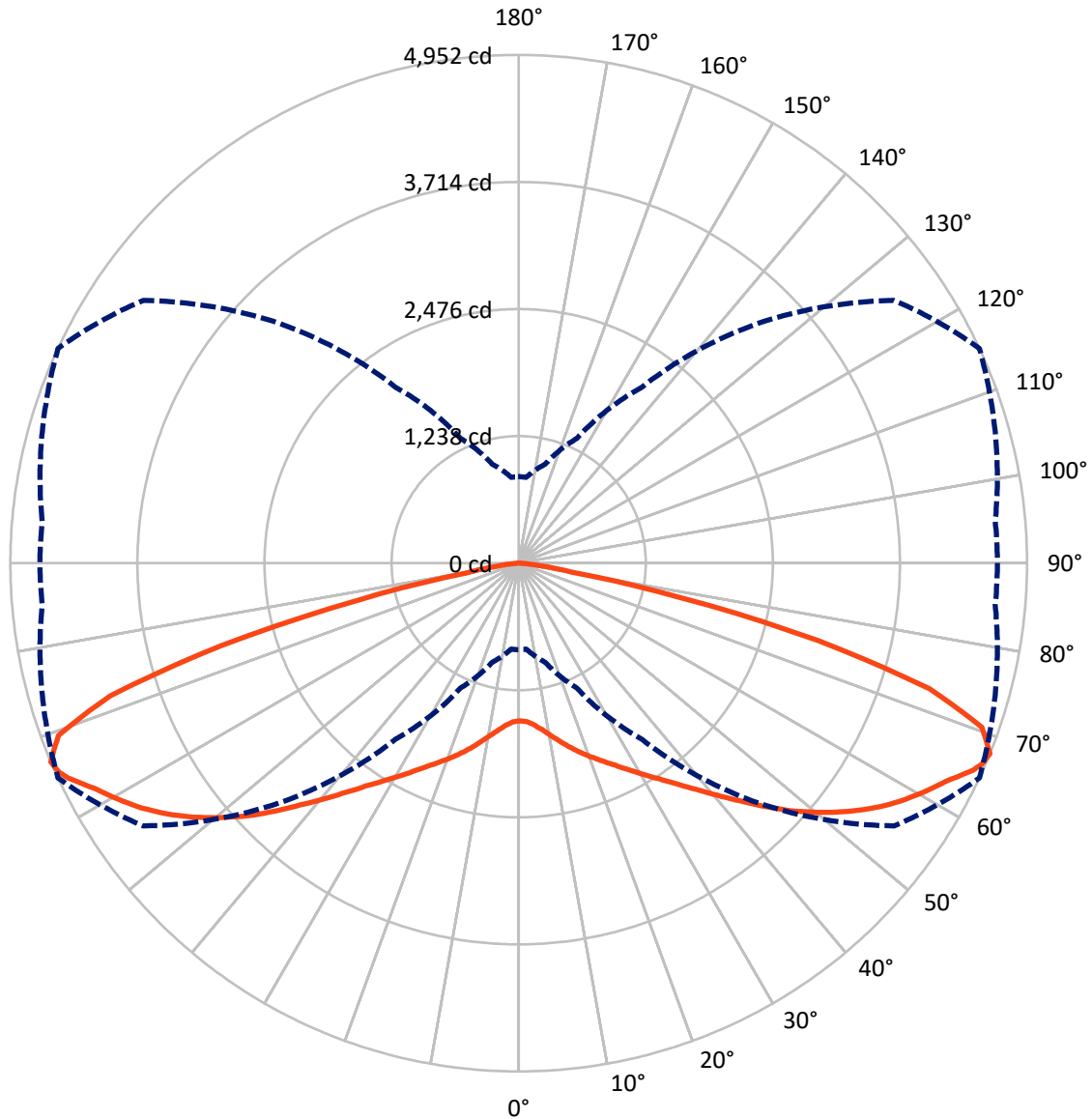
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - N/A

REPORT NUMBER: P452283  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P452283

CATALOG NUMBER: GLAN-SA3B-727-U-RW

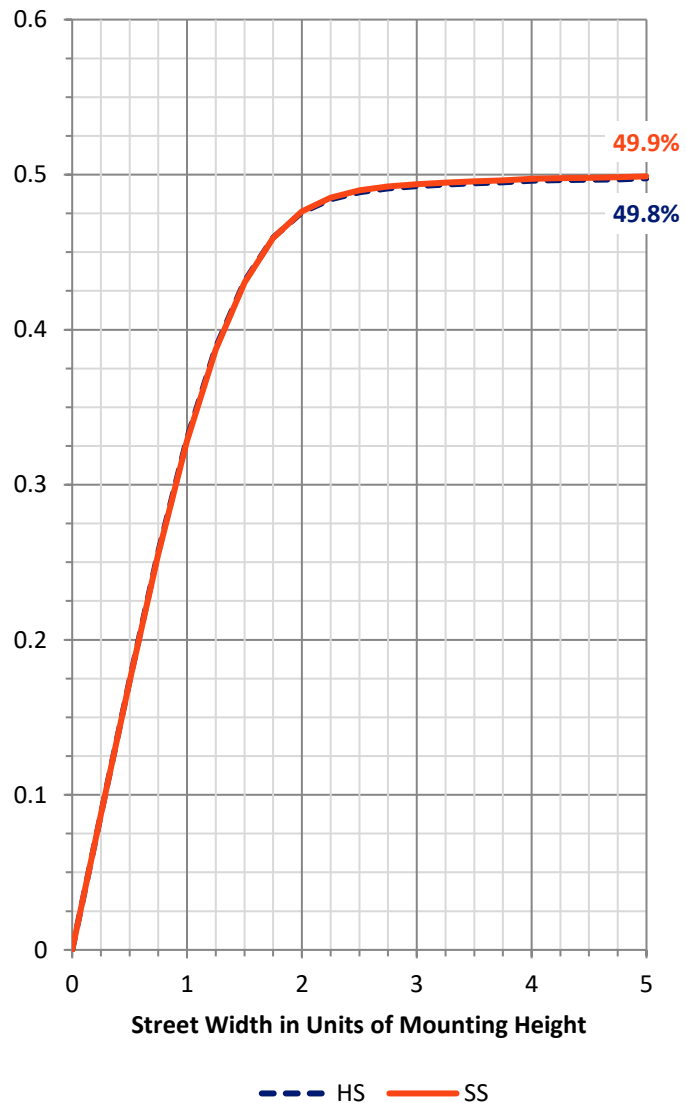
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7328.5	0.0	7328.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7328.5	0.0	7328.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14657.0	0.0	14657.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	1.0
10°-20°	506.8	3.5
20°-30°	991.3	6.8
30°-40°	1686.0	11.5
40°-50°	2668.4	18.2
50°-60°	3538.3	24.1
60°-70°	3337.7	22.8
70°-80°	1650.0	11.3
80°-90°	127.2	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°	14657.0	100.0
0°-180°	14657.0	100.0



REPORT NUMBER: P452283

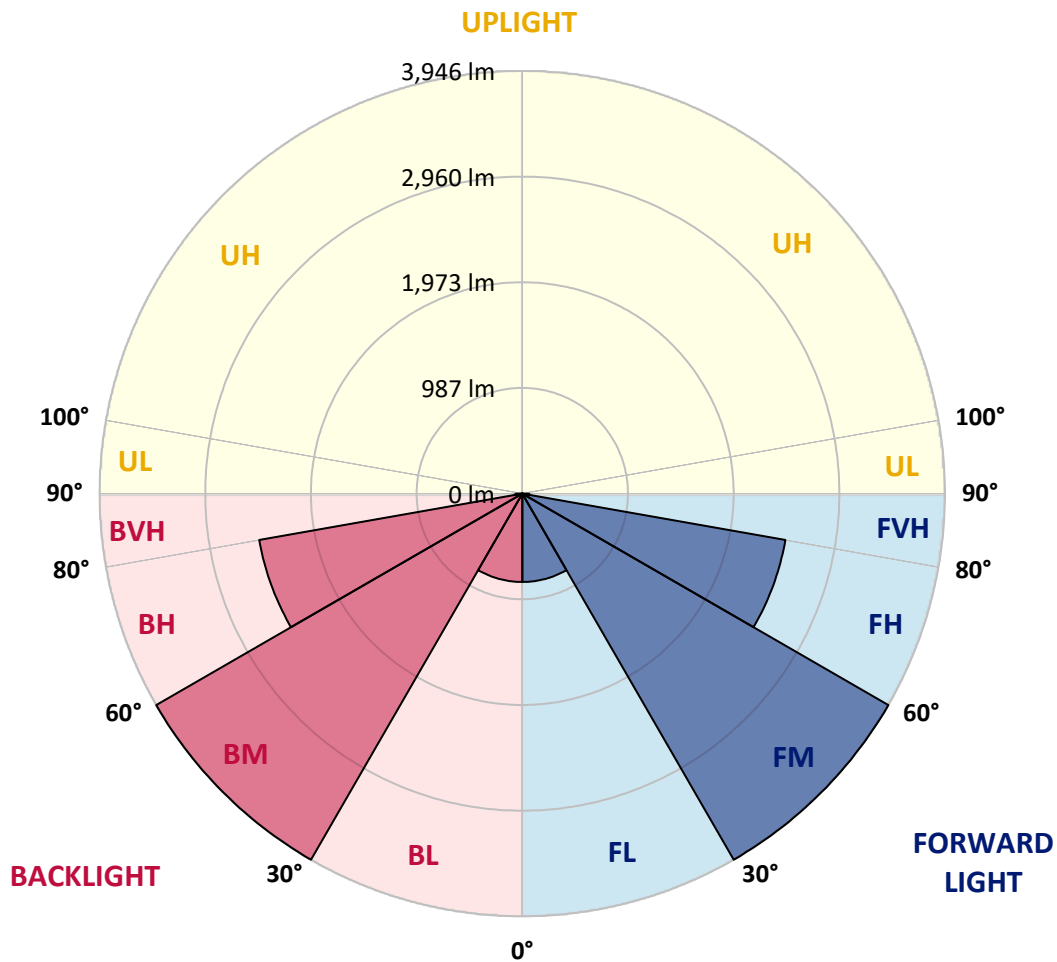
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	824.7	5.6			
FM (30°-60°)	3946.4	26.9			
FH (60°-80°)	2493.8	17.0			G2/5000
FVH (80°-90°)	63.6	0.4			G1/100
BL (0°-30°)	824.7	5.6	B2/1000		
BM (30°-60°)	3946.4	26.9	B3/5000		
BH (60°-80°)	2493.8	17.0	B3/2500		G3/2500
BVH (80°-90°)	63.6	0.4			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2	1535.2
2.5°	1527.3	1528.9	1530.5	1532.8	1536.0	1540.7	1543.8	1546.2	1552.5	1553.3	1552.5
5°	1521.8	1523.4	1527.3	1534.4	1544.6	1558.7	1569.7	1583.1	1593.3	1600.4	1598.8
7.5°	1521.1	1524.2	1530.5	1545.4	1565.0	1589.4	1614.5	1637.3	1656.9	1672.6	1670.3
10°	1533.6	1537.5	1547.8	1569.7	1600.4	1635.7	1671.0	1704.8	1733.1	1753.5	1760.6
12.5°	1554.8	1558.0	1576.8	1609.8	1653.8	1697.7	1737.8	1779.4	1818.7	1853.2	1853.2
15°	1591.7	1597.2	1620.8	1668.7	1722.9	1773.9	1814.7	1858.7	1901.1	1940.4	1952.2
17.5°	1642.8	1650.6	1686.0	1747.2	1816.3	1863.4	1901.9	1938.0	1974.9	2012.6	2018.1
20°	1712.7	1720.5	1767.6	1841.4	1923.1	1979.7	2005.6	2014.2	2032.3	2068.4	2073.1
22.5°	1807.7	1815.5	1868.1	1951.4	2042.5	2103.7	2114.7	2094.3	2089.6	2117.9	2121.0
25°	1915.3	1922.3	1982.8	2072.3	2166.5	2233.3	2230.2	2179.9	2151.6	2168.9	2173.6
27.5°	2036.2	2046.4	2107.6	2200.3	2302.4	2361.3	2351.9	2278.8	2218.4	2215.2	2216.8
30°	2190.9	2201.9	2260.0	2348.7	2449.2	2503.4	2483.8	2385.6	2292.2	2260.8	2260.8
32.5°	2354.2	2381.7	2440.6	2533.3	2611.8	2651.1	2621.2	2503.4	2379.4	2335.4	2333.0
35°	2567.0	2581.9	2640.1	2730.4	2789.3	2819.9	2762.6	2636.1	2493.2	2441.4	2434.3
37.5°	2775.1	2787.7	2855.2	2941.6	3013.1	3011.5	2933.7	2794.0	2634.6	2576.5	2571.7
40°	2987.9	3001.3	3078.2	3157.5	3229.0	3222.7	3128.5	2972.2	2802.6	2737.4	2750.0
42.5°	3172.5	3187.4	3274.6	3387.6	3452.0	3450.5	3341.3	3165.4	2988.7	2930.6	2941.6
45°	3340.5	3353.9	3455.2	3584.7	3679.0	3690.7	3571.4	3385.3	3203.9	3129.3	3132.4
47.5°	3459.1	3484.2	3590.2	3738.6	3866.6	3908.3	3791.3	3609.1	3400.2	3322.5	3327.2
50°	3549.4	3565.1	3680.5	3849.4	4011.1	4097.5	4003.3	3816.4	3596.5	3514.1	3525.1
52.5°	3560.4	3579.2	3704.9	3899.6	4106.9	4238.1	4191.7	4019.0	3796.8	3711.9	3735.5
55°	3470.9	3481.9	3631.8	3868.2	4144.6	4342.5	4354.3	4207.4	3987.6	3923.2	3938.9
57.5°	3215.7	3243.9	3434.0	3721.4	4092.8	4398.3	4476.0	4378.6	4180.7	4117.1	4142.3
60°	2797.1	2825.4	3016.2	3380.6	3897.3	4372.4	4576.5	4530.2	4355.9	4304.8	4318.2
62.5°	2191.7	2189.3	2425.7	2872.5	3508.6	4245.1	4651.1	4676.2	4528.6	4464.2	4484.6
65°	1420.5	1427.6	1656.1	2137.5	2922.0	3921.6	4667.6	4862.4	4698.2	4600.9	4615.8
66°	1142.6	1163.8	1357.7	1801.4	2622.8	3709.6	4618.1	4917.3	4750.1	4632.3	4639.3
67.5°	843.4	839.4	998.9	1341.2	2094.3	3306.7	4463.4	4951.9	4809.0	4660.5	4663.7
70°	481.4	480.6	537.1	736.6	1231.3	2328.3	3762.2	4786.2	4928.3	4762.6	4754.0
72.5°	351.8	349.4	357.3	406.8	600.7	1175.5	2595.3	4183.1	4867.1	4746.1	4721.8
75°	295.3	293.7	292.1	298.4	336.9	532.4	1377.4	3009.1	4223.2	4454.8	4429.7
77.5°	241.1	241.1	241.9	240.3	241.9	280.3	570.9	1612.9	2571.7	2870.9	2940.8
80°	188.5	187.7	201.0	195.5	183.0	179.8	252.9	519.1	853.6	848.9	700.5
82.5°	139.0	129.6	153.1	149.2	135.1	114.6	147.6	221.4	285.1	185.3	137.4
85°	87.9	87.2	108.4	98.9	82.5	54.2	70.7	95.0	117.8	71.5	58.1
87.5°	15.7	14.9	34.6	25.1	25.1	15.7	19.6	25.9	38.5	26.7	19.6
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)