

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: P456180

Luminaire Tested: **GLAN-SA7B-830-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P456180  
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-SA7B-830-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31439 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

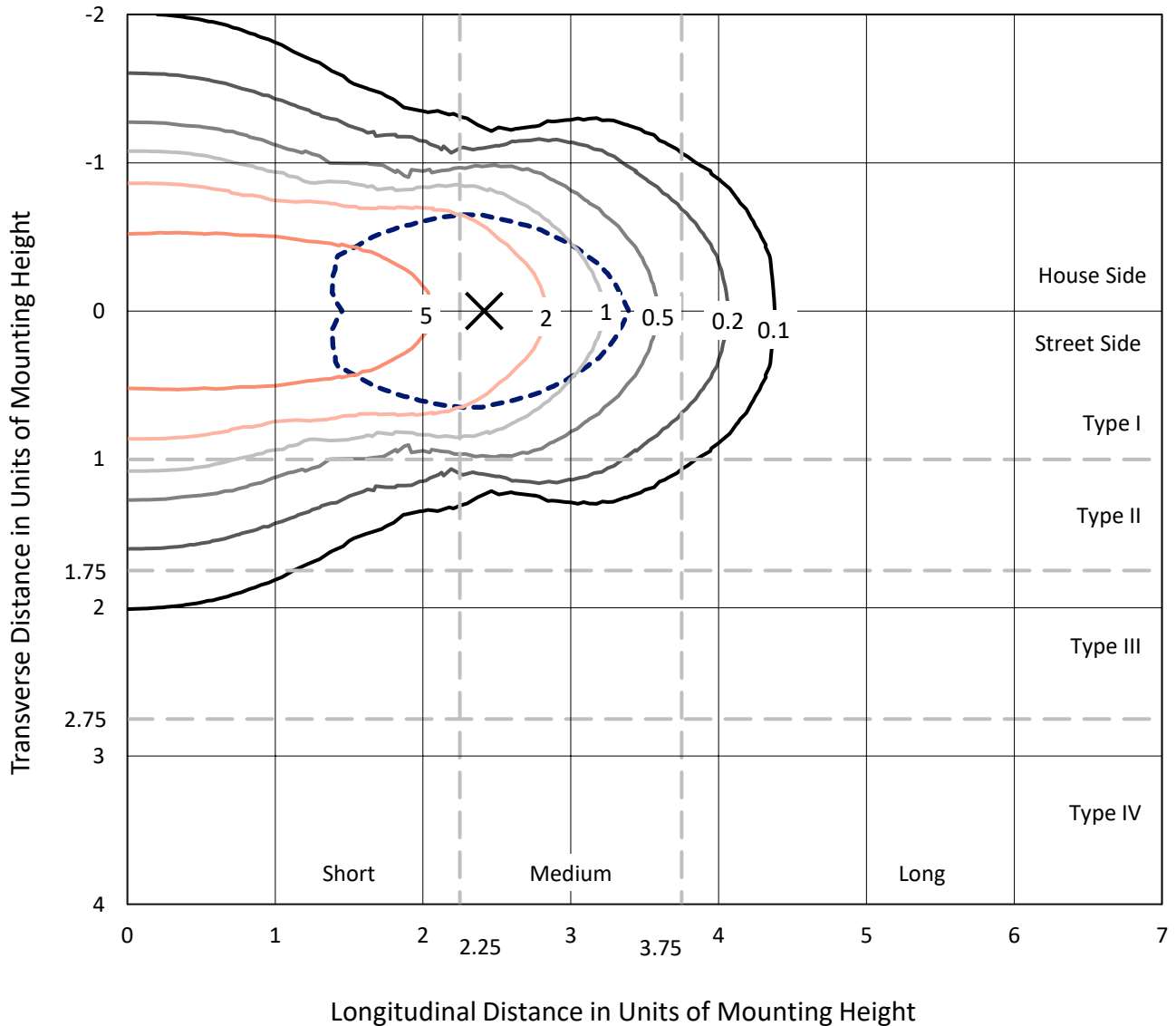
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

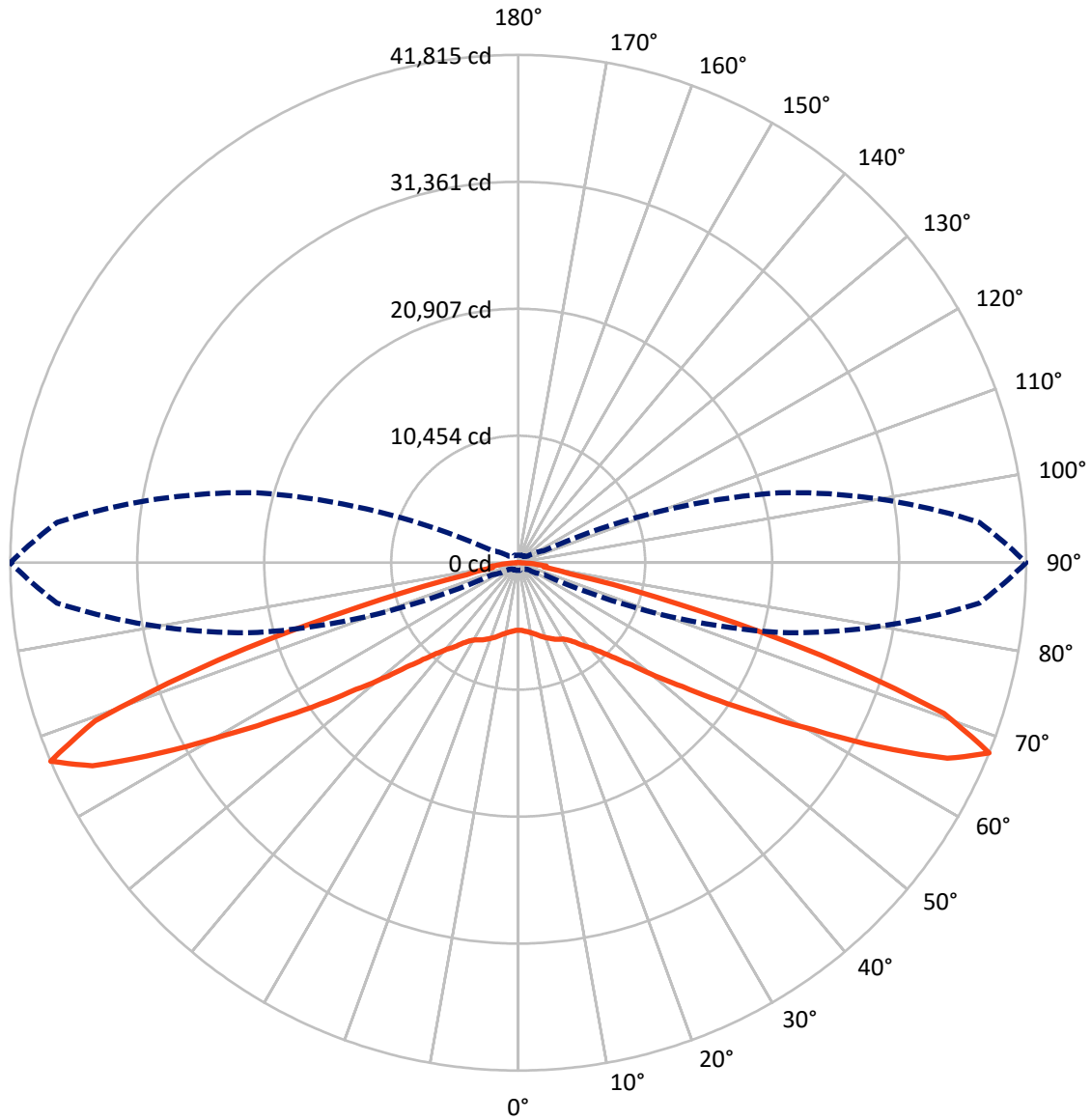
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	15719.5	0.0	15719.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15719.5	0.0	15719.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31439.0	0.0	31439.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	554.9	1.8
10°-20°	1775.4	5.6
20°-30°	2971.5	9.5
30°-40°	4025.6	12.8
40°-50°	5099.1	16.2
50°-60°	6370.1	20.3
60°-70°	7487.8	23.8
70°-80°	2864.4	9.1
80°-90°	290.2	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°	31439.0	100.0
0°-180°	31439.0	100.0

**Coefficient of Utilization**

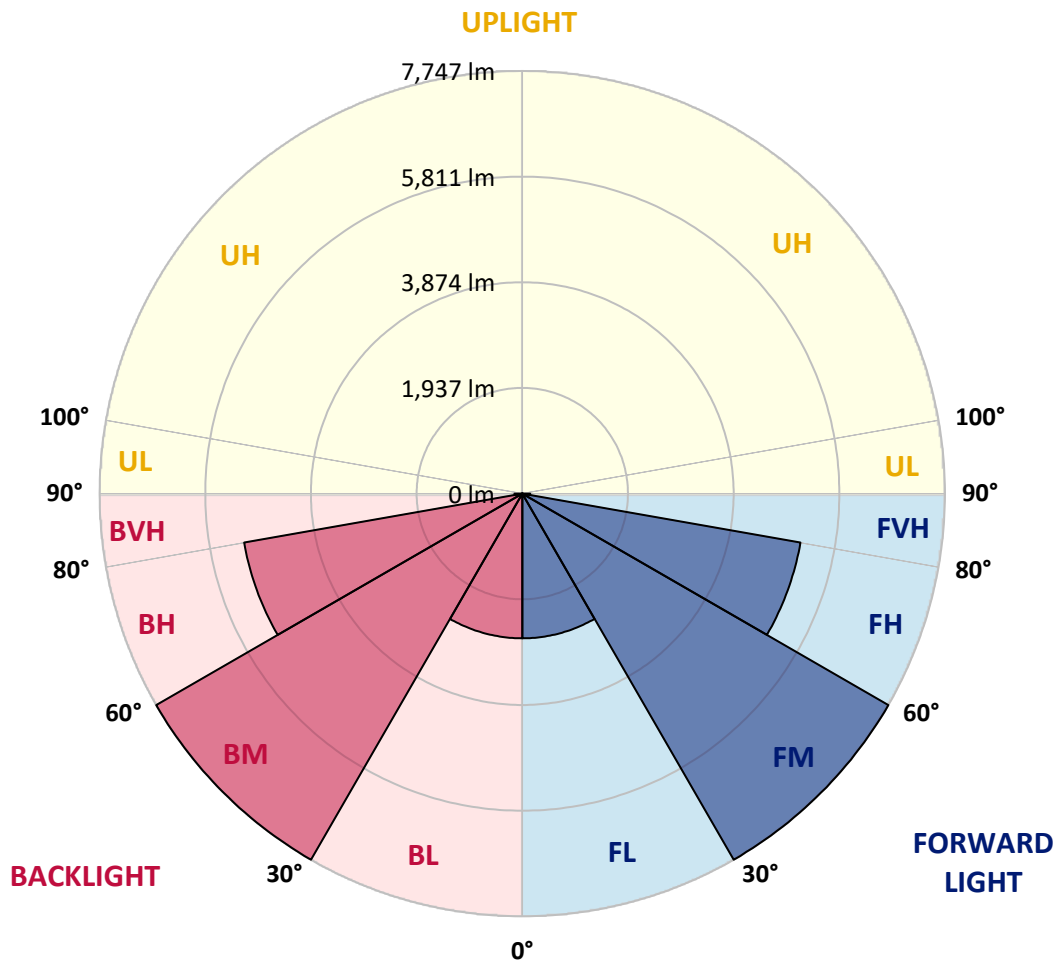


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2650.9	8.4			
FM (30°-60°)	7747.4	24.6			
FH (60°-80°)	5176.1	16.5			G3/7500
FVH (80°-90°)	145.1	0.5			G2/225
BL (0°-30°)	2650.9	8.4	B4/5000		
BM (30°-60°)	7747.4	24.6	B4/8500		
BH (60°-80°)	5176.1	16.5	B5		G5
BVH (80°-90°)	145.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5565.7	5565.7	5565.7	5565.7	5565.7	5565.7	5565.7	5565.7	5565.7	5565.7	5565.7
2.5°	5637.1	5633.6	5635.3	5633.6	5638.8	5635.3	5614.4	5597.0	5583.1	5584.8	5579.6
5°	5757.2	5758.9	5760.7	5752.0	5764.1	5757.2	5724.1	5696.2	5668.4	5657.9	5654.5
7.5°	5856.4	5865.1	5870.3	5879.0	5899.9	5899.9	5882.5	5842.5	5781.6	5746.7	5745.0
10°	5955.6	5962.6	5978.3	6006.1	6040.9	6074.0	6067.1	6013.1	5934.8	5875.6	5861.6
12.5°	5990.5	5999.2	6051.4	6131.5	6209.8	6274.2	6274.2	6230.7	6129.7	6039.2	6013.1
15°	5868.6	5884.3	5978.3	6148.9	6354.3	6495.3	6526.7	6465.7	6357.8	6218.5	6187.2
17.5°	5626.6	5664.9	5802.4	6054.9	6396.1	6688.6	6779.1	6749.5	6610.2	6432.7	6396.1
20°	5367.2	5409.0	5555.2	5889.5	6361.3	6801.7	7064.6	7071.6	6899.2	6641.6	6587.6
22.5°	5081.7	5113.0	5301.1	5692.8	6256.8	6827.8	7310.1	7430.2	7196.9	6850.5	6773.9
25°	4761.4	4796.2	4992.9	5416.0	6060.1	6798.2	7534.6	7799.3	7508.5	7073.3	6975.8
27.5°	4455.0	4468.9	4679.6	5109.6	5800.7	6721.6	7700.0	8138.7	7853.2	7257.8	7134.2
30°	4160.8	4193.8	4380.1	4804.9	5503.0	6571.9	7842.8	8525.2	8224.0	7451.1	7292.7
32.5°	3849.1	3889.2	4091.1	4521.1	5205.3	6347.3	7929.8	8948.3	8741.1	7764.4	7595.6
35°	3549.7	3575.8	3779.5	4197.3	4914.6	6086.2	7945.5	9425.3	9407.9	8239.7	8015.1
37.5°	3243.3	3281.6	3487.0	3887.4	4606.4	5809.4	7867.2	9931.9	10212.2	8899.5	8657.5
40°	2949.1	2982.2	3184.1	3588.0	4256.5	5471.7	7680.9	10395.0	11150.5	9578.5	9235.5
42.5°	2628.8	2637.5	2858.6	3269.4	3913.6	5080.0	7412.8	10807.6	12196.8	10489.0	10062.4
45°	2264.9	2287.6	2493.0	2896.9	3520.1	4641.3	7048.9	11148.8	13523.4	11751.1	11169.7
47.5°	1901.1	1920.2	2108.2	2506.9	3090.1	4138.1	6488.4	11448.2	14884.8	13354.5	12592.0
50°	1545.9	1556.4	1709.6	2063.0	2606.1	3608.9	5793.7	11544.0	16423.7	15624.6	14651.5
52.5°	1222.1	1237.8	1354.4	1631.2	2089.1	2983.9	5043.4	11307.2	18220.3	18316.1	16944.3
55°	990.6	995.8	1082.8	1286.5	1633.0	2329.3	4138.1	10647.4	20152.7	21764.8	20015.2
57.5°	853.0	856.5	905.3	1018.4	1256.9	1756.6	3210.2	9399.2	21888.4	25805.5	23556.2
60°	774.7	776.4	804.3	870.5	995.8	1347.5	2299.7	7637.4	23601.5	30302.2	27957.2
62.5°	726.0	726.0	745.1	781.7	842.6	1034.1	1666.0	5510.0	24774.9	34865.2	33381.9
65°	679.0	679.0	692.9	719.0	752.1	846.1	1230.8	3593.2	24745.3	38188.6	38837.9
67.5°	625.0	625.0	635.4	661.5	680.7	727.7	950.5	2353.7	22227.9	38115.4	41814.9
70°	560.6	560.6	574.5	597.1	612.8	642.4	750.3	1610.3	16329.7	32544.5	37187.5
72.5°	496.2	497.9	506.6	529.2	541.4	558.8	623.2	1128.1	10017.2	22160.0	26002.2
75°	424.8	428.3	437.0	459.6	470.0	477.0	525.8	804.3	5067.8	11947.8	13603.5
77.5°	343.0	349.9	355.1	379.5	386.5	396.9	433.5	581.5	2224.9	4293.1	4331.4
80°	250.7	259.4	275.1	297.7	302.9	309.9	330.8	412.6	1008.0	1960.3	2129.1
82.5°	184.5	196.7	177.6	207.2	207.2	198.5	233.3	276.8	463.1	1941.1	2322.4
85°	101.0	102.7	92.3	106.2	113.2	111.4	123.6	135.8	224.6	1295.2	1335.3
87.5°	24.4	26.1	27.9	33.1	40.0	40.0	43.5	38.3	73.1	419.6	240.2
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)