

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: P317092

Luminaire Tested: **GAN-SA8C-730-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA8C-730-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52770 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

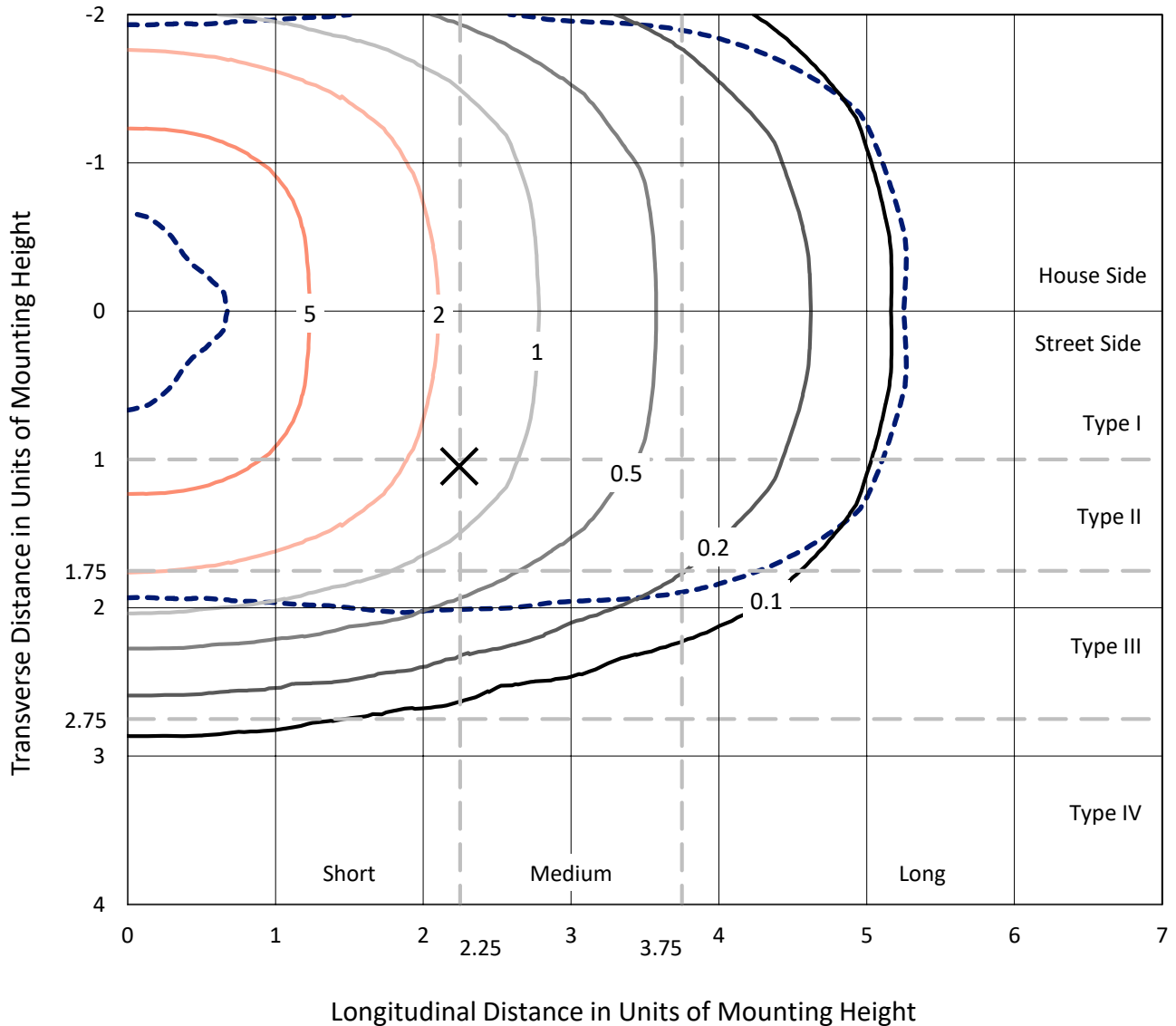
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

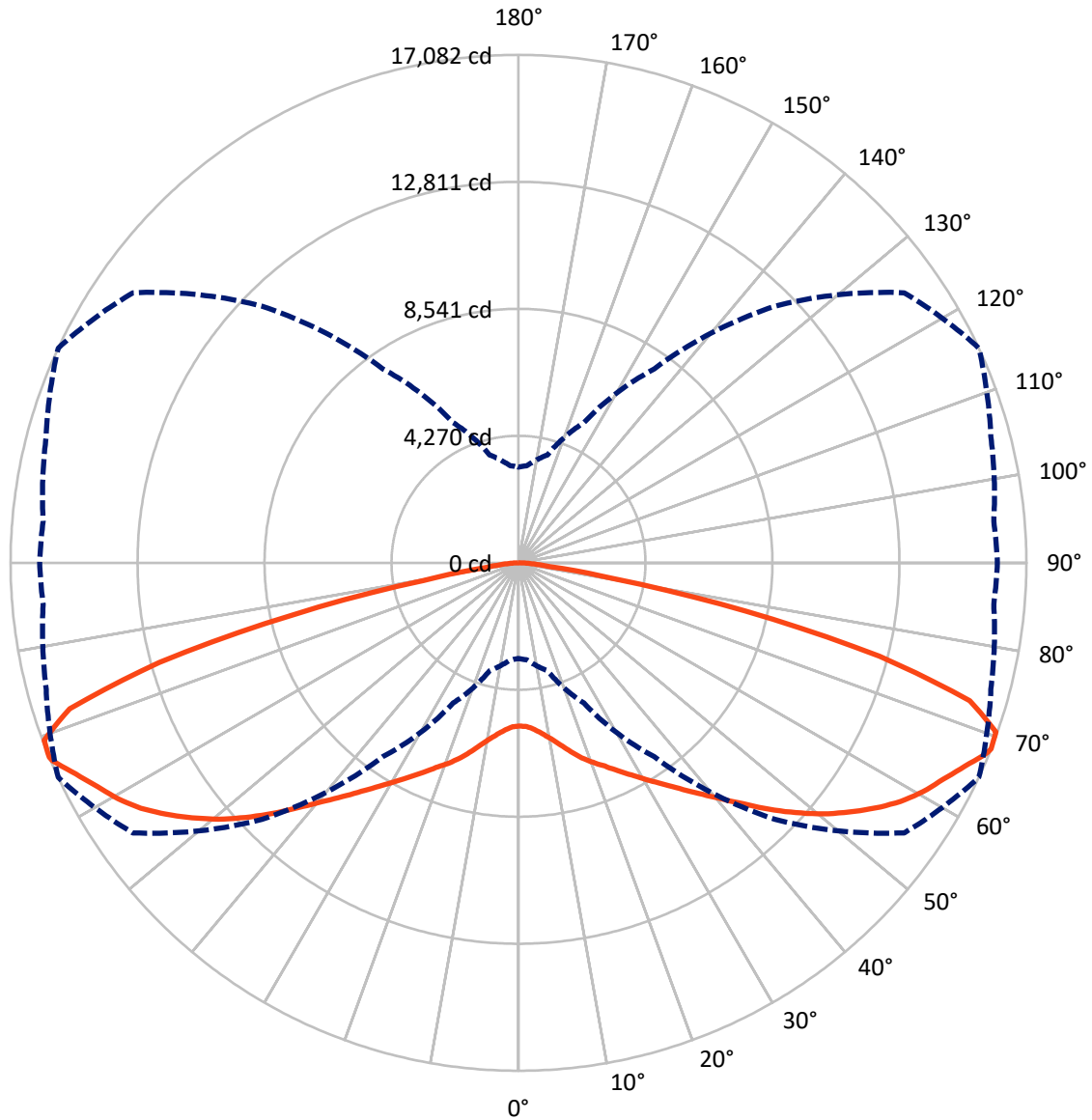
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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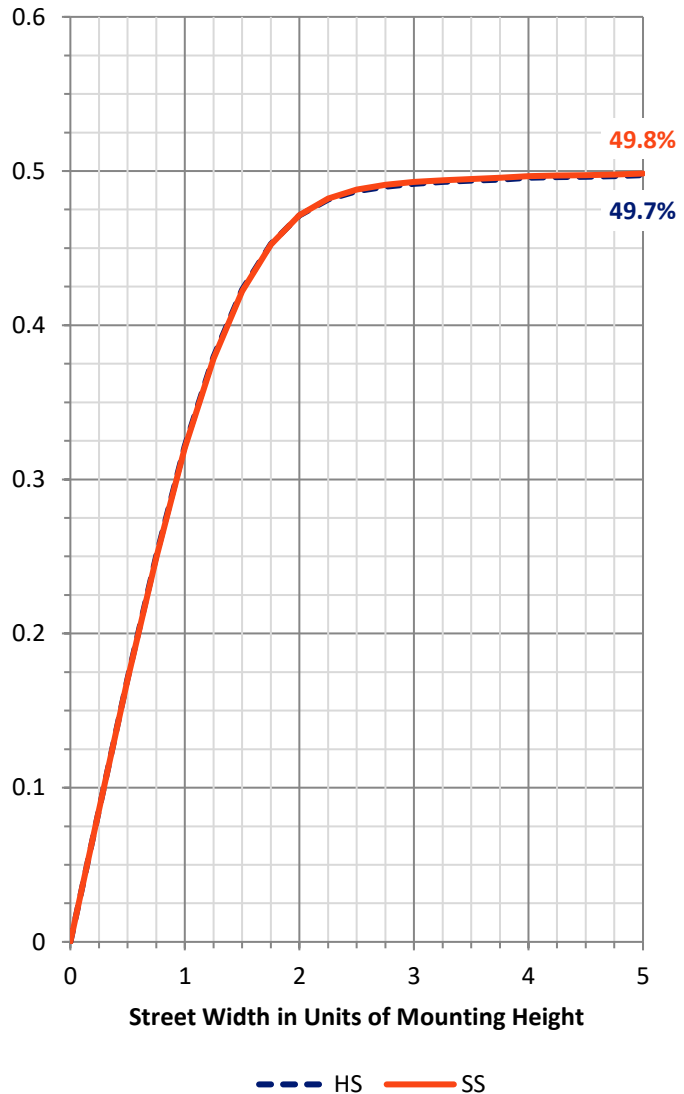
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26385.0	0.0	26385.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26385.0	0.0	26385.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52770.0	0.0	52770.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	537.2	1.0
10°-20°	1798.8	3.4
20°-30°	3507.1	6.6
30°-40°	5891.7	11.2
40°-50°	9283.3	17.6
50°-60°	12414.8	23.5
60°-70°	12068.8	22.9
70°-80°	6597.4	12.5
80°-90°	671.0	1.3
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°	52770.0	100.0
0°-180°	52770.0	100.0

**Coefficient of Utilization**



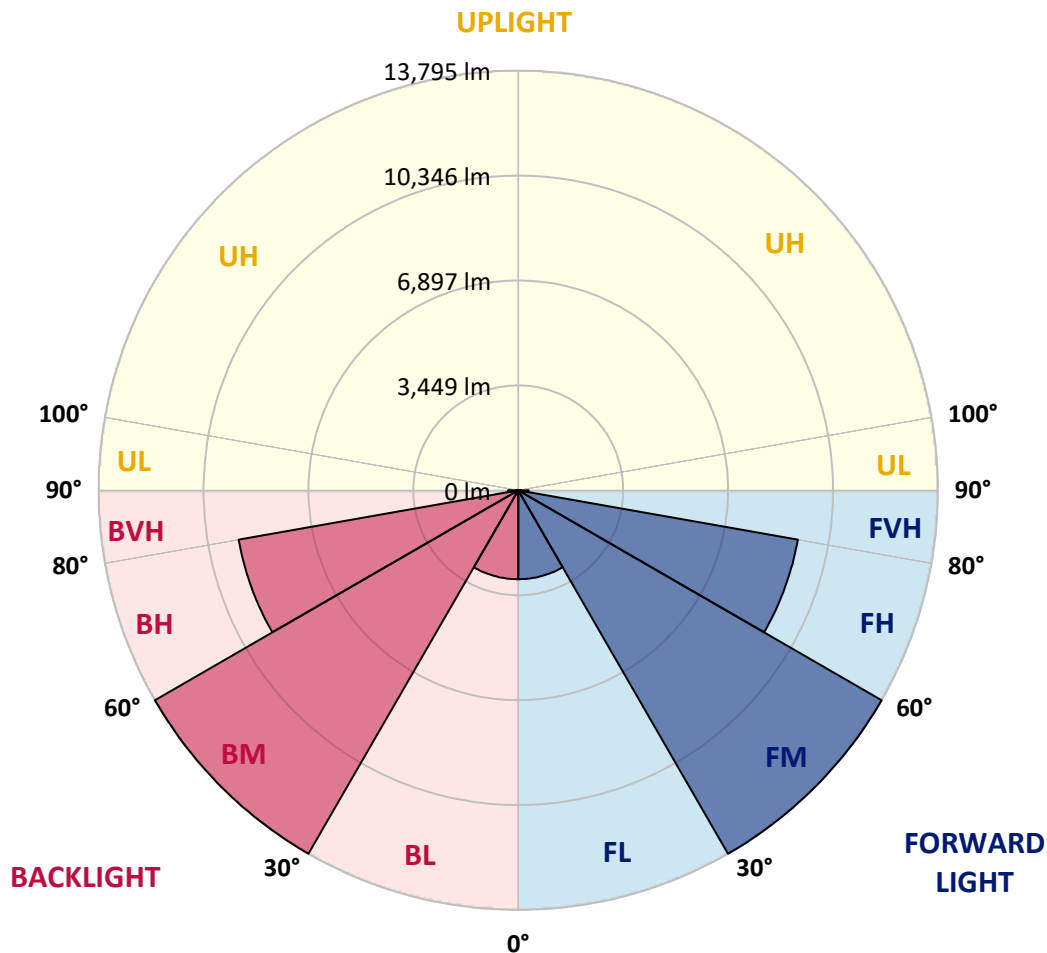
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2921.5	5.5			
FM (30°-60°)	13794.9	26.1			
FH (60°-80°)	9333.1	17.7			G4/12000
FVH (80°-90°)	335.5	0.6			G3/500
BL (0°-30°)	2921.5	5.5	B4/5000		
BM (30°-60°)	13794.9	26.1	B5		
BH (60°-80°)	9333.1	17.7	B5		G5
BVH (80°-90°)	335.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8	5486.8
2.5°	5447.9	5449.7	5458.5	5469.1	5478.0	5501.0	5506.3	5515.1	5518.7	5527.5	5527.5
5°	5400.1	5403.7	5424.9	5453.2	5485.1	5541.7	5582.4	5628.4	5651.4	5676.2	5674.4
7.5°	5394.8	5403.7	5433.8	5479.8	5532.8	5626.6	5711.5	5803.6	5865.5	5922.1	5918.6
10°	5449.7	5463.8	5506.3	5575.3	5654.9	5771.7	5897.3	6021.2	6129.1	6215.8	6219.4
12.5°	5532.8	5550.5	5617.8	5722.2	5842.5	5992.9	6141.5	6281.3	6429.9	6559.1	6569.7
15°	5642.5	5665.5	5766.4	5922.1	6106.1	6284.8	6444.1	6587.4	6759.0	6937.7	6955.4
17.5°	5805.3	5837.2	5969.9	6180.4	6422.8	6619.2	6785.6	6893.5	7036.8	7220.8	7254.4
20°	6053.0	6093.7	6261.8	6513.1	6808.6	7013.8	7141.2	7164.2	7235.0	7399.5	7438.5
22.5°	6375.1	6410.5	6598.0	6897.0	7227.9	7450.8	7518.1	7426.1	7419.0	7551.7	7588.9
25°	6734.2	6766.1	6983.7	7319.9	7675.6	7921.5	7919.7	7741.0	7617.2	7719.8	7758.7
27.5°	7137.7	7187.2	7396.0	7749.9	8130.3	8372.7	8358.5	8082.5	7847.2	7873.7	7907.3
30°	7601.2	7656.1	7859.6	8218.8	8599.2	8836.3	8818.6	8454.1	8100.2	8029.4	8054.2
32.5°	8176.3	8241.8	8434.6	8788.5	9124.7	9338.8	9287.5	8857.5	8404.5	8250.6	8273.6
35°	8868.1	8907.0	9110.5	9459.1	9731.6	9878.4	9770.5	9324.6	8790.3	8604.5	8604.5
37.5°	9568.8	9598.9	9827.1	10165.1	10428.7	10506.6	10296.0	9836.0	9294.5	9030.9	9036.2
40°	10241.2	10322.5	10579.1	10925.9	11186.0	11207.2	10927.7	10419.9	9855.4	9582.9	9614.8
42.5°	10943.6	11023.2	11329.3	11722.1	11952.1	11987.5	11660.2	11074.5	10488.9	10267.7	10303.1
45°	11570.0	11633.7	11987.5	12444.0	12730.7	12822.7	12435.2	11824.7	11173.6	10957.8	10966.6
47.5°	12007.0	12090.2	12479.4	13017.3	13434.9	13576.4	13196.0	12555.5	11847.7	11585.9	11608.9
50°	12403.3	12447.6	12842.1	13429.6	13960.4	14252.3	13926.8	13277.4	12529.0	12251.2	12275.9
52.5°	12624.5	12681.1	13063.3	13675.5	14303.6	14774.3	14576.1	13926.8	13187.2	12916.5	12946.5
55°	12470.6	12513.0	12971.3	13730.4	14516.0	15096.3	15126.4	14562.0	13833.0	13595.9	13680.8
57.5°	11769.9	11823.0	12382.1	13376.5	14542.5	15314.0	15540.4	15151.2	14436.3	14243.5	14293.0
60°	10674.7	10708.3	11304.6	12422.8	14025.9	15404.2	15804.1	15632.4	15027.3	14834.5	14901.7
62.5°	8723.0	8772.6	9485.6	10984.3	12934.1	15137.0	16058.9	16030.6	15577.6	15400.7	15460.8
65°	5962.8	6049.5	6838.6	8733.6	11251.5	14319.6	16290.7	16494.1	16064.2	15841.2	15920.9
67.5°	3600.7	3664.4	4235.9	5766.4	8609.8	12670.5	16051.8	17021.4	16407.4	16048.3	16113.7
68°	3218.5	3276.9	3754.6	5203.7	7964.0	12205.2	15834.2	17081.6	16444.6	16044.7	16103.1
70°	1944.5	1983.5	2303.7	3216.7	5309.9	9682.0	14349.6	17032.0	16681.7	16094.3	16127.9
72.5°	1266.9	1279.3	1332.3	1650.8	2712.5	5414.3	10770.2	15871.3	17037.3	16382.7	16377.4
75°	1052.8	1045.7	1051.0	1088.2	1337.6	2374.5	6293.7	12537.8	16241.1	15927.9	15816.5
77.5°	890.0	884.7	882.9	884.7	895.3	1146.6	2731.9	7810.0	12428.1	14089.5	14188.6
80°	720.1	713.1	736.1	725.4	693.6	713.1	1144.8	3248.6	5858.4	6302.5	5906.2
82.5°	523.7	497.2	596.3	568.0	541.4	502.5	631.7	1049.2	1397.8	959.0	674.1
85°	403.4	375.1	453.0	435.3	371.6	256.6	375.1	513.1	566.2	323.8	254.8
87.5°	164.6	173.4	327.3	258.3	217.6	123.9	153.9	205.2	276.0	138.0	106.2
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)