

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: P316781

Luminaire Tested: **GAN-SA7D-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316781  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7D-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51555 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

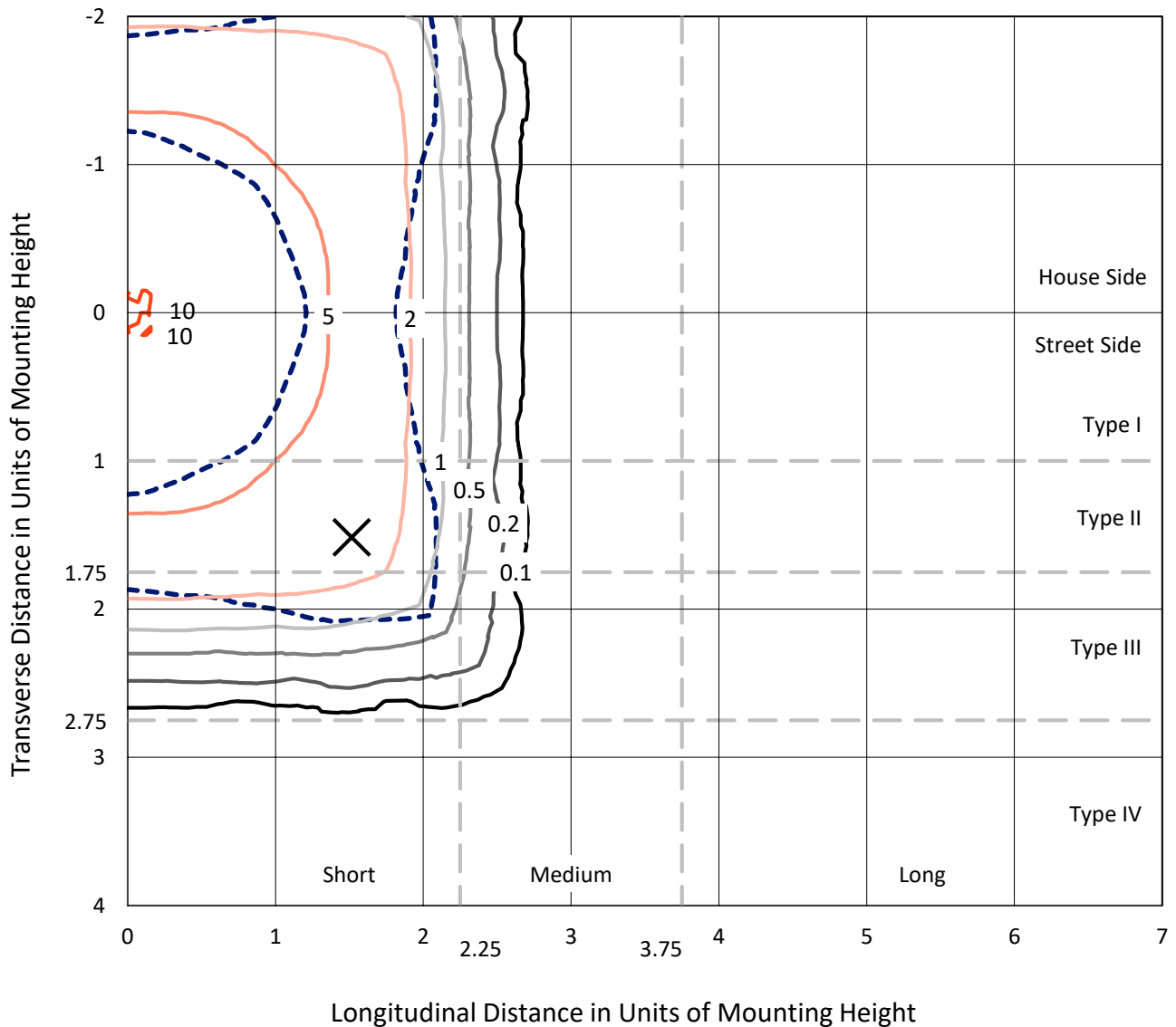
Input Watts (W): 448  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

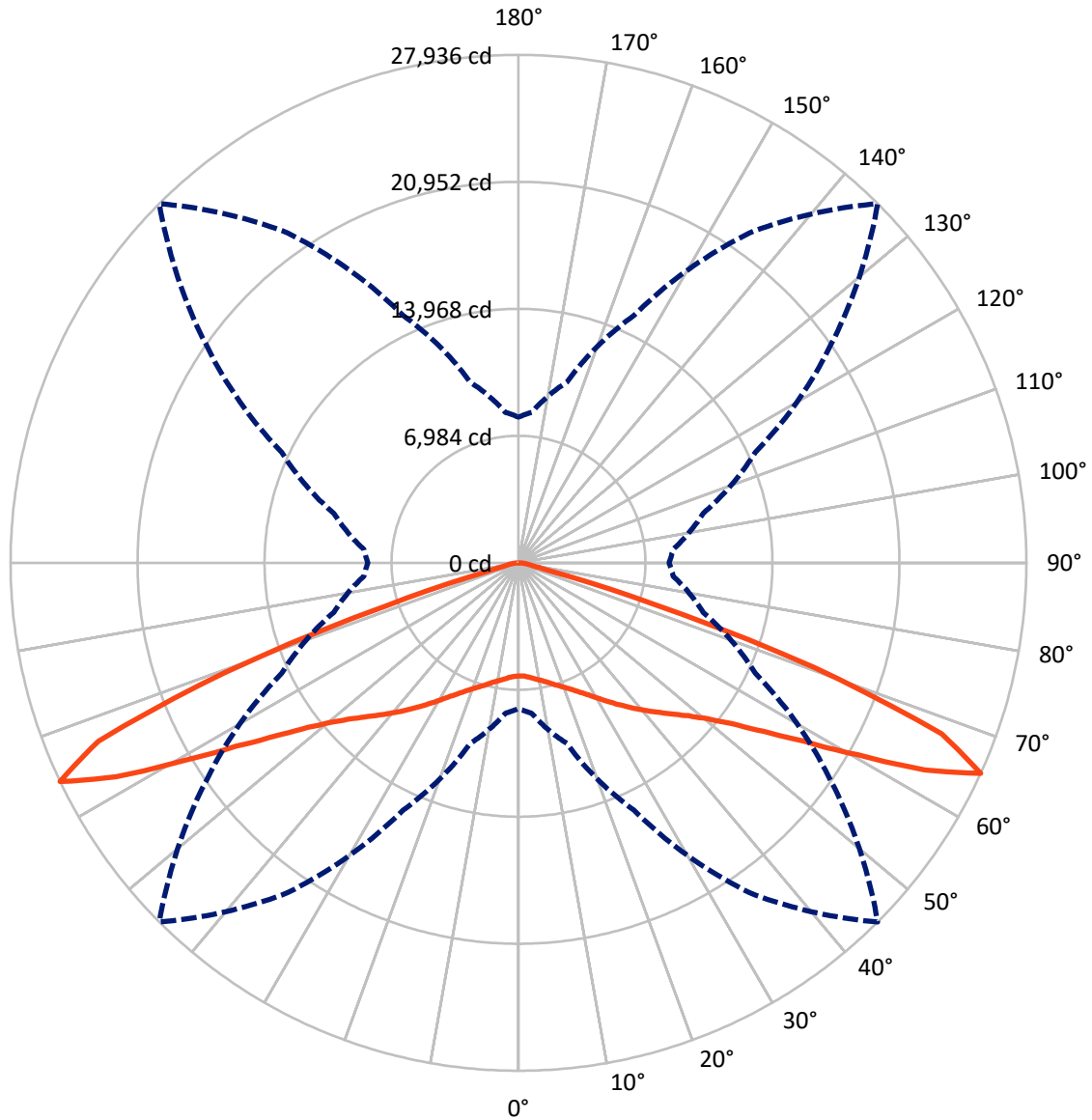
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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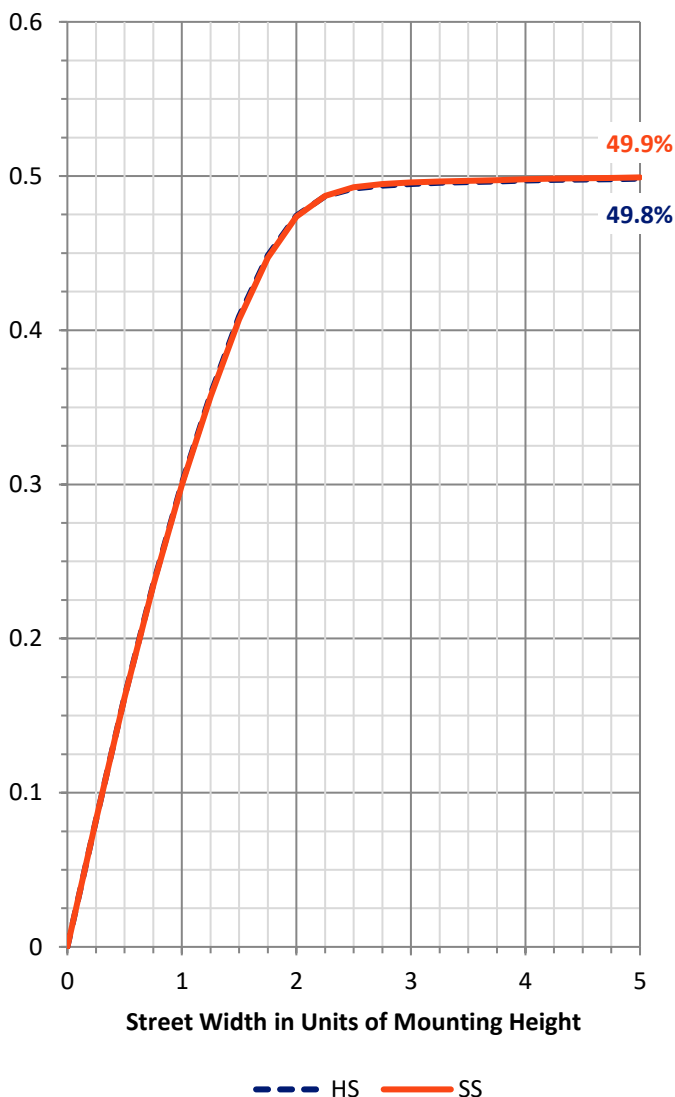
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25777.5	0.0	25777.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25777.5	0.0	25777.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51555.0	0.0	51555.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.8	1.2
10°-20°	1963.4	3.8
20°-30°	3683.8	7.1
30°-40°	6092.2	11.8
40°-50°	9436.0	18.3
50°-60°	14472.1	28.1
60°-70°	13504.2	26.2
70°-80°	1571.7	3.0
80°-90°	220.8	0.4
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°	51555.0	100.0
0°-180°	51555.0	100.0

**Coefficient of Utilization**

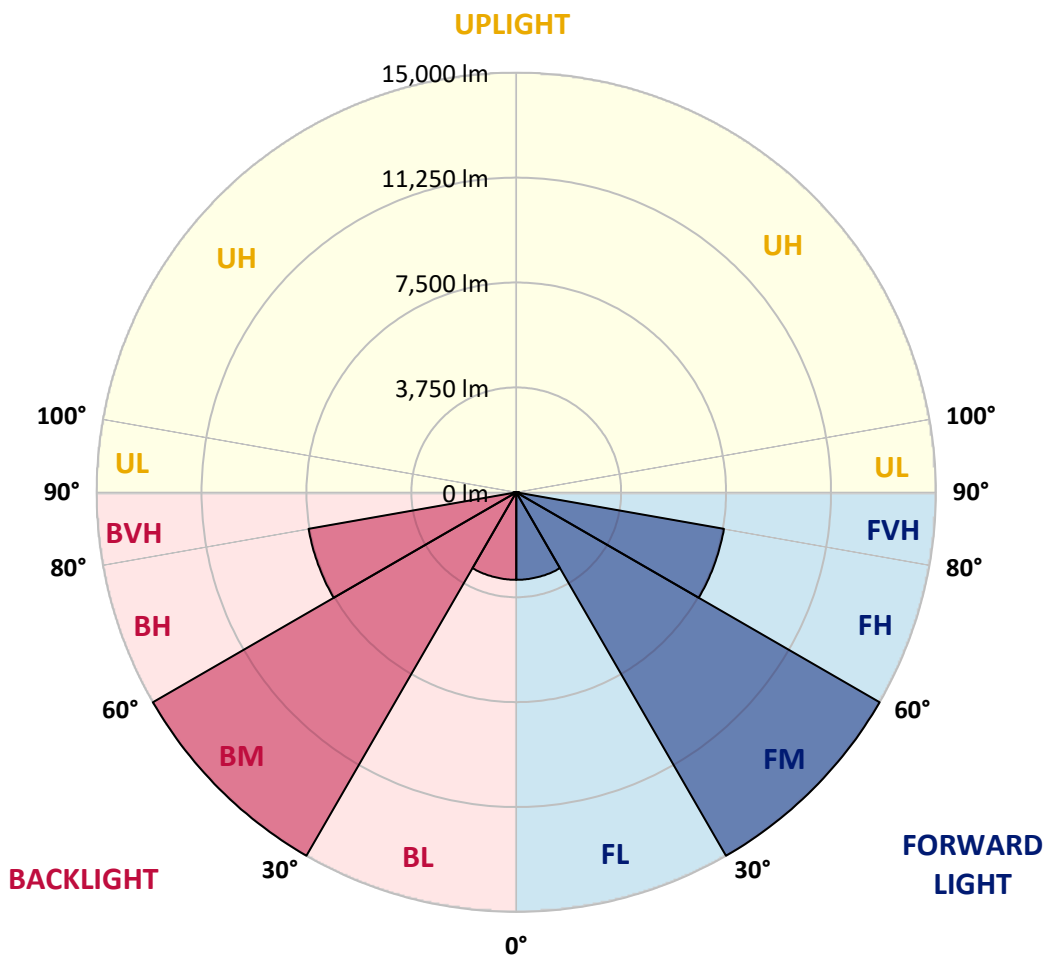


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3129.0	6.1			
FM (30°-60°)	15000.2	29.1			
FH (60°-80°)	7537.9	14.6			G4/12000
FVH (80°-90°)	110.4	0.2			G2/225
BL (0°-30°)	3129.0	6.1	B4/5000		
BM (30°-60°)	15000.2	29.1	B5		
BH (60°-80°)	7537.9	14.6	B5		G4/12000
BVH (80°-90°)	110.4	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6225.9	6225.9	6225.9	6225.9	6225.9	6225.9	6225.9	6225.9	6225.9	6225.9	6225.9
2.5°	6246.5	6243.0	6246.5	6248.2	6237.9	6243.0	6241.3	6249.9	6253.3	6249.9	6249.9
5°	6318.3	6313.2	6320.0	6328.6	6314.9	6318.3	6313.2	6323.5	6326.9	6320.0	6325.2
7.5°	6417.6	6419.3	6426.1	6441.6	6433.0	6439.8	6429.6	6431.3	6429.6	6419.3	6421.0
10°	6525.4	6527.1	6539.1	6559.6	6563.1	6563.1	6556.2	6551.1	6544.2	6537.4	6539.1
12.5°	6655.5	6664.0	6672.6	6698.3	6698.3	6711.9	6708.5	6694.8	6682.9	6672.6	6672.6
15°	6831.7	6830.0	6840.3	6866.0	6877.9	6900.2	6900.2	6881.4	6866.0	6855.7	6852.3
17.5°	7016.6	7021.7	7028.5	7059.4	7078.2	7103.8	7107.3	7091.9	7081.6	7067.9	7059.4
20°	7232.2	7240.8	7268.1	7280.1	7297.2	7321.2	7329.7	7326.3	7316.1	7309.2	7310.9
22.5°	7483.8	7506.0	7523.1	7540.2	7560.8	7577.9	7586.4	7598.4	7588.2	7583.0	7579.6
25°	7788.4	7803.8	7838.0	7868.8	7882.5	7887.6	7897.9	7915.0	7913.3	7901.3	7901.3
27.5°	8134.1	8163.2	8206.0	8250.5	8250.5	8233.3	8267.6	8296.7	8286.4	8271.0	8250.5
30°	8553.4	8580.7	8630.4	8692.0	8661.2	8649.2	8695.4	8748.5	8733.1	8707.4	8704.0
32.5°	9005.2	9030.8	9095.9	9162.6	9123.2	9106.1	9155.8	9232.8	9205.4	9154.1	9123.2
35°	9494.6	9520.3	9612.7	9693.1	9626.4	9597.3	9638.4	9722.2	9674.3	9578.5	9554.5
37.5°	10026.8	10040.5	10160.3	10242.5	10196.3	10119.3	10170.6	10232.2	10191.1	10074.8	10028.6
40°	10579.6	10629.2	10767.9	10863.7	10783.3	10661.8	10747.3	10832.9	10771.3	10622.4	10543.7
42.5°	11224.8	11262.4	11447.3	11532.8	11402.8	11231.6	11348.0	11464.4	11402.8	11259.0	11190.6
45°	11895.6	11953.8	12174.6	12260.2	12071.9	11854.6	11996.6	12200.3	12195.1	11988.1	11916.2
47.5°	12626.4	12684.6	12948.1	13061.1	12857.4	12566.5	12766.7	13054.2	13033.7	12806.1	12747.9
50°	13470.1	13531.7	13860.3	14002.3	13812.4	13473.5	13774.7	14028.0	13990.3	13709.7	13714.8
52.5°	14529.4	14526.0	14935.0	15181.5	14986.4	14686.9	14964.1	15210.5	15054.8	14666.3	14654.4
55°	15457.0	15513.5	16020.0	16487.2	16475.2	16360.6	16471.8	16482.1	16037.1	15520.3	15457.0
57.5°	16066.2	16174.0	16887.7	17733.1	18366.3	18518.6	18303.0	17649.2	16607.0	15780.4	15679.5
60°	15691.4	15855.7	16976.7	18700.0	20565.4	21460.4	20243.6	18215.7	16163.8	15012.0	14875.1
62.5°	13162.1	13439.3	15080.5	18232.8	22458.1	25074.8	21650.4	17307.0	14401.1	12814.6	12580.2
65°	8016.0	8308.6	10287.0	15006.9	22151.8	27936.2	21008.6	14365.1	10511.2	8538.0	8284.7
67.5°	2671.4	2757.0	3922.4	8295.0	17409.6	25100.5	17438.7	8599.6	4574.5	3032.5	2943.5
70°	1045.6	1054.2	1244.2	2404.5	8221.4	17240.2	9071.9	2447.2	1300.6	1028.5	1050.8
72.5°	768.4	771.8	824.9	1004.6	2142.6	7595.0	2219.6	1009.7	802.6	720.5	720.5
75°	617.8	617.8	655.4	732.5	960.1	1742.2	973.8	723.9	628.1	575.0	568.2
77.5°	487.7	498.0	527.1	576.7	650.3	838.6	674.3	573.3	506.6	456.9	446.7
80°	362.8	373.1	421.0	445.0	467.2	581.9	498.0	448.4	400.5	342.3	332.0
82.5°	237.9	248.1	308.0	321.7	316.6	379.9	335.4	330.3	294.4	220.8	210.5
85°	155.7	159.2	205.4	213.9	196.8	172.8	213.9	225.9	205.4	143.8	138.6
87.5°	73.6	73.6	104.4	97.5	89.0	71.9	97.5	114.7	116.4	70.2	68.5
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)