

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: P316463

Luminaire Tested: **GAN-SA9D-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA9D-730-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66360 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

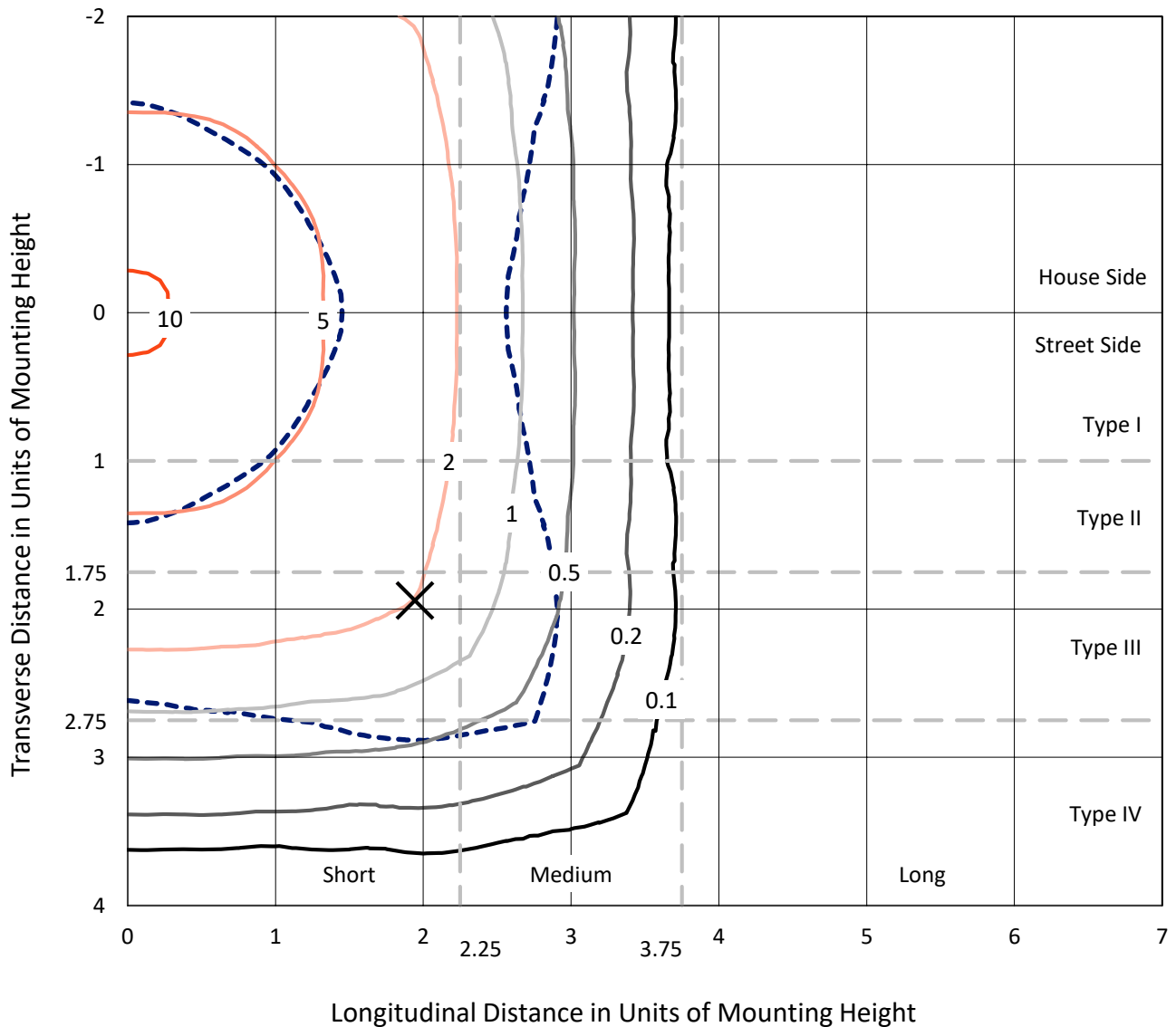
Input Watts (W): 575  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

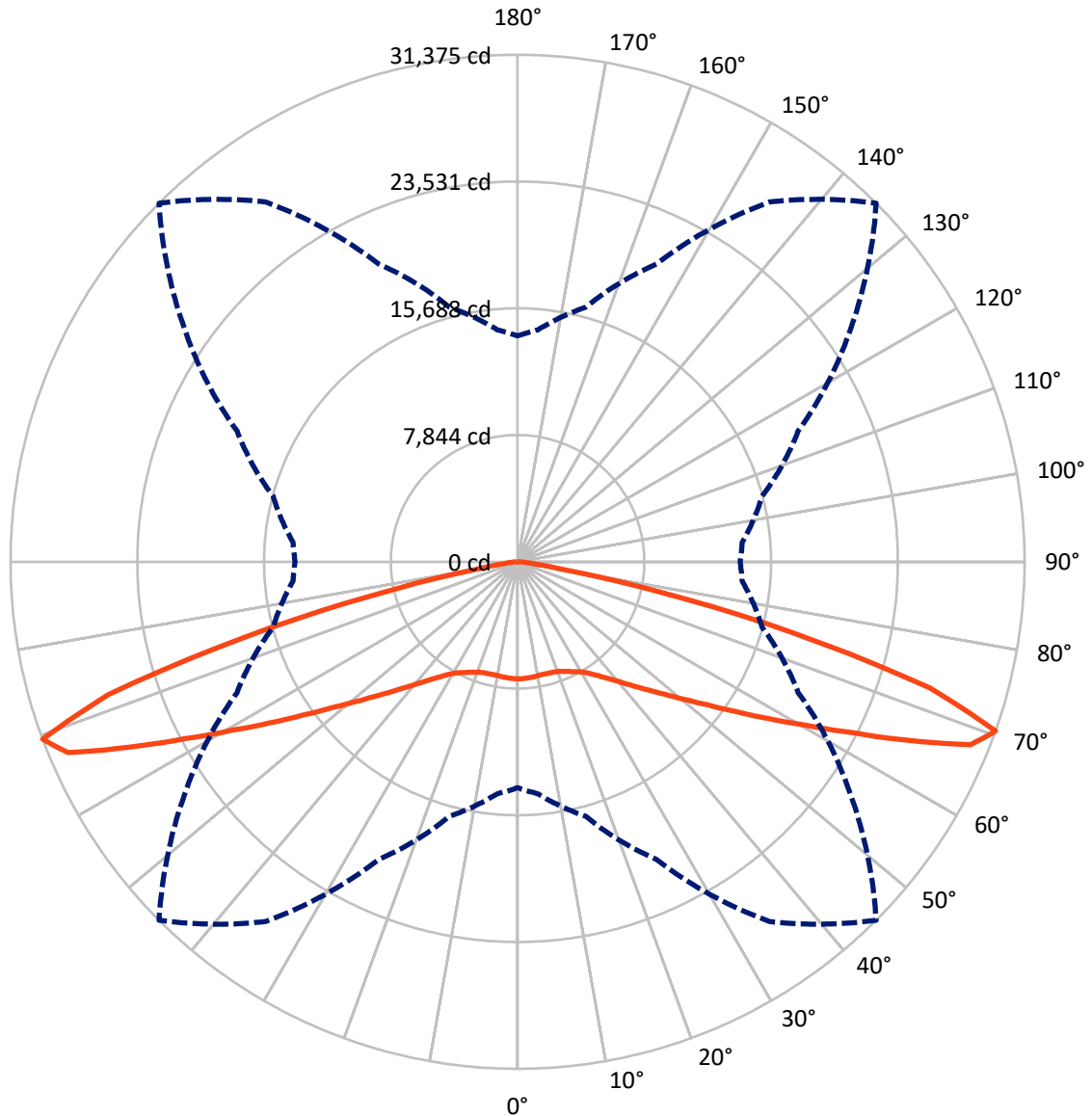
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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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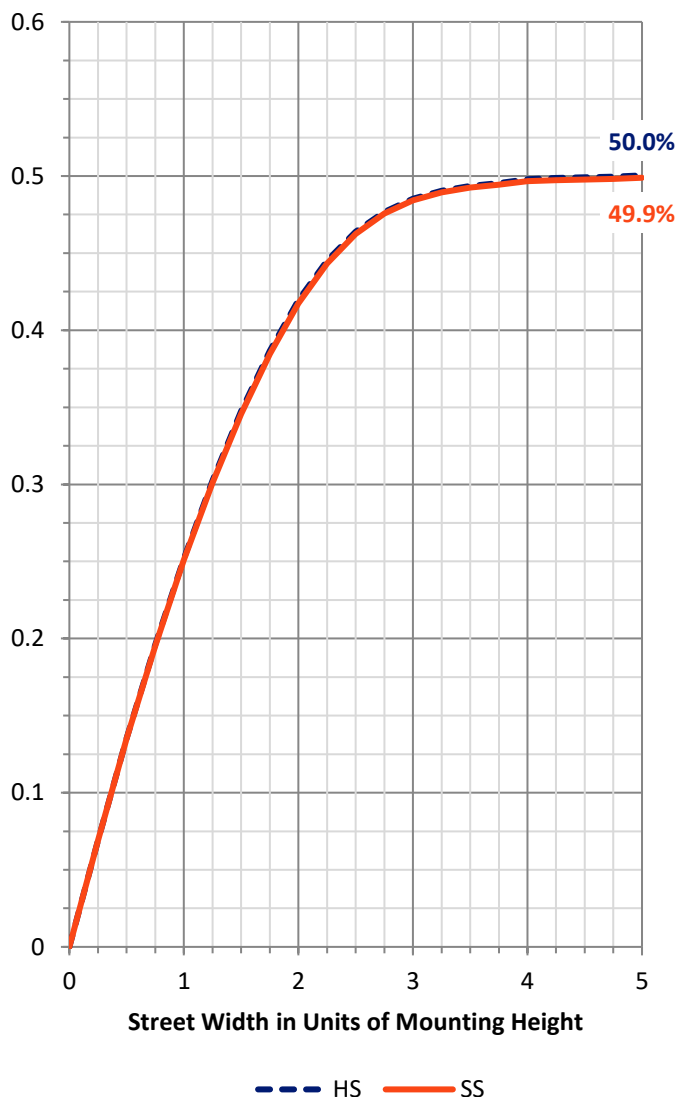
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33180.0	0.0	33180.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33180.0	0.0	33180.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	66360.0	0.0	66360.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	686.4	1.0
10°-20°	2015.1	3.0
20°-30°	3430.4	5.2
30°-40°	5440.6	8.2
40°-50°	8853.6	13.3
50°-60°	14598.0	22.0
60°-70°	21430.2	32.3
70°-80°	9476.4	14.3
80°-90°	429.1	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°	66360.0	100.0
0°-180°	66360.0	100.0

**Coefficient of Utilization**

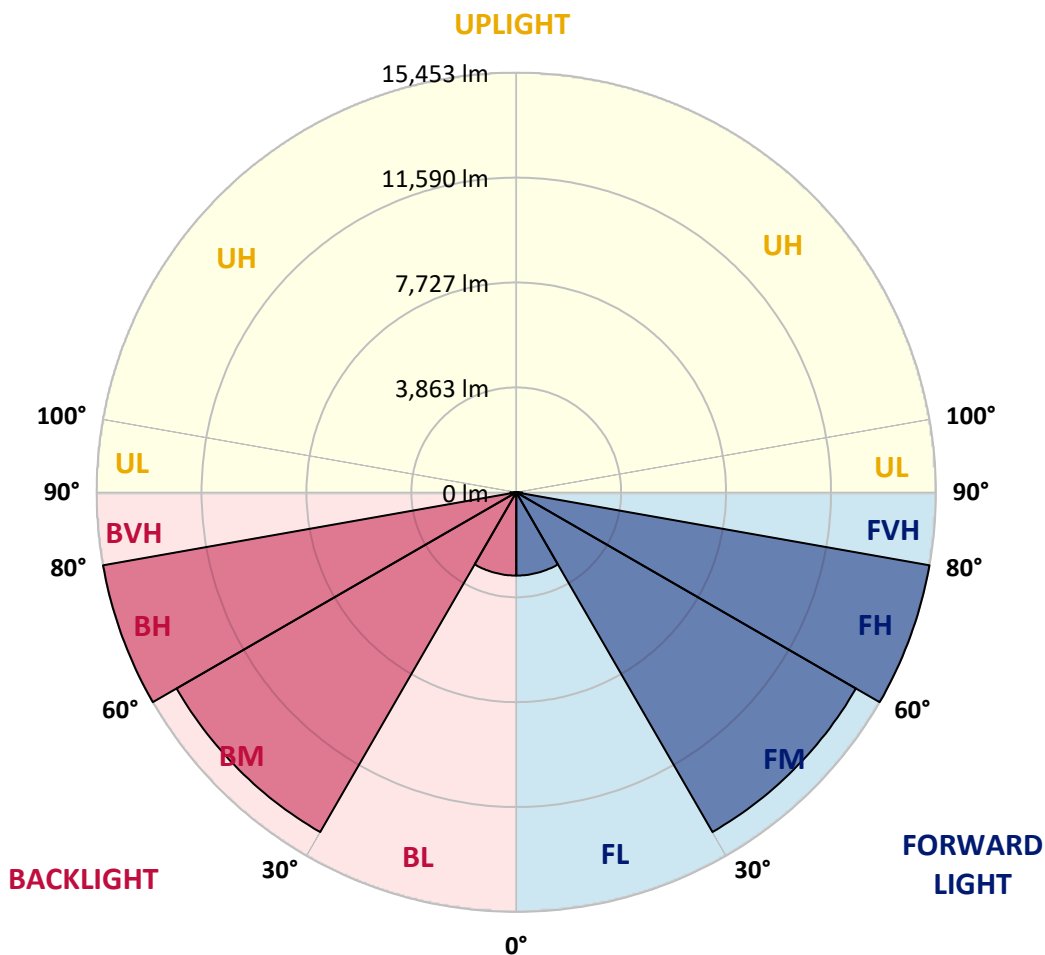


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3066.0	4.6			
FM (30°-60°)	14446.1	21.8			
FH (60°-80°)	15453.3	23.3			G5
FVH (80°-90°)	214.6	0.3			G2/225
BL (0°-30°)	3066.0	4.6	B4/5000		
BM (30°-60°)	14446.1	21.8	B5		
BH (60°-80°)	15453.3	23.3	B5		G5
BVH (80°-90°)	214.6	0.3			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 V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7247.5	7247.5	7247.5	7247.5	7247.5	7247.5	7247.5	7247.5	7247.5	7247.5	7247.5
2.5°	7236.6	7230.0	7245.3	7243.2	7230.0	7232.2	7232.2	7238.8	7238.8	7234.4	7234.4
5°	7210.2	7205.8	7223.4	7223.4	7210.2	7214.6	7219.0	7225.6	7223.4	7219.0	7216.8
7.5°	7177.3	7175.1	7192.6	7192.6	7183.9	7188.2	7183.9	7186.1	7181.7	7177.3	7170.7
10°	7122.4	7126.8	7142.1	7146.5	7146.5	7148.7	7144.3	7133.3	7126.8	7120.2	7113.6
12.5°	7071.8	7069.7	7091.6	7102.6	7120.2	7139.9	7126.8	7096.0	7082.8	7069.7	7065.3
15°	7038.9	7041.1	7063.1	7082.8	7113.6	7155.3	7139.9	7091.6	7065.3	7049.9	7045.5
17.5°	7032.3	7036.7	7065.3	7100.4	7133.3	7179.5	7170.7	7122.4	7078.4	7049.9	7043.3
20°	7047.7	7049.9	7093.8	7144.3	7201.4	7245.3	7225.6	7172.9	7113.6	7069.7	7058.7
22.5°	7076.2	7085.0	7139.9	7219.0	7306.8	7366.1	7342.0	7251.9	7159.7	7104.8	7089.4
25°	7166.3	7168.5	7243.2	7350.8	7456.2	7524.3	7495.7	7368.3	7249.7	7188.2	7168.5
27.5°	7353.0	7359.6	7434.2	7559.4	7649.5	7693.4	7675.8	7572.6	7471.6	7405.7	7412.3
30°	7623.1	7631.9	7715.3	7853.7	7908.6	7919.6	7915.2	7866.9	7774.6	7686.8	7693.4
32.5°	7952.5	7956.9	8068.9	8194.1	8238.0	8246.8	8238.0	8194.1	8084.3	7965.7	7972.3
35°	8376.4	8389.6	8497.2	8618.0	8653.1	8670.7	8655.3	8598.2	8484.0	8367.6	8363.2
37.5°	8899.1	8901.3	9013.3	9138.5	9182.4	9186.8	9169.2	9131.9	8989.2	8883.7	8877.1
40°	9505.3	9514.0	9645.8	9779.8	9797.4	9777.6	9801.8	9779.8	9632.6	9511.9	9531.6
42.5°	10243.2	10263.0	10421.1	10552.9	10502.4	10491.4	10506.7	10513.3	10394.7	10247.6	10234.4
45°	11101.9	11119.5	11317.2	11422.6	11389.6	11317.2	11347.9	11400.6	11235.9	11053.6	11071.2
47.5°	12081.4	12125.4	12336.2	12435.0	12353.8	12254.9	12314.2	12393.3	12200.0	11973.8	11962.8
50°	13170.8	13225.7	13506.8	13645.2	13563.9	13381.6	13480.4	13533.1	13254.2	12962.1	12938.0
52.5°	14332.6	14387.5	14741.1	15026.6	14973.9	14690.6	14828.9	14774.0	14453.4	14060.2	14029.5
55°	15648.1	15670.1	16052.2	16513.4	16566.1	16357.5	16348.7	16258.7	15784.3	15329.7	15307.7
57.5°	17001.0	17016.4	17510.5	18055.2	18303.3	18303.3	18057.4	17866.3	17236.0	16708.9	16654.0
60°	18461.5	18516.4	19063.2	19803.4	20383.2	20554.5	20119.6	19599.1	18913.9	18270.4	18206.7
62.5°	19761.6	19825.3	20662.1	21764.6	22695.8	23319.5	22256.6	21408.8	20161.4	19129.1	19008.3
65°	19926.4	20097.7	21316.6	23312.9	25397.2	26642.4	24604.3	22515.7	20242.6	18808.5	18685.5
67.5°	18197.9	18487.8	20135.0	23242.7	27549.5	30222.3	26104.3	21883.2	18784.3	17198.6	17062.5
70°	13983.4	14405.0	16304.8	20330.5	27178.3	31375.3	25164.4	19157.7	15661.3	13954.8	13763.7
72.5°	7671.4	7844.9	9553.6	13921.9	21788.8	26662.2	20989.3	14165.7	10386.0	8451.1	8130.4
75°	2433.4	2494.9	3364.6	5697.0	12325.2	17659.9	13333.3	6953.3	3828.0	2822.1	2789.2
77.5°	1080.5	1087.1	1216.7	1662.5	4245.3	8947.4	5099.6	1893.1	1304.6	1139.8	1177.2
80°	683.0	683.0	753.3	823.6	1155.2	2598.1	1379.2	900.5	768.7	713.8	729.1
82.5°	327.2	362.4	489.8	527.1	634.7	874.1	707.2	588.6	513.9	382.1	355.8
85°	215.2	180.1	309.7	349.2	369.0	419.5	410.7	388.7	336.0	191.1	213.0
87.5°	96.6	92.2	160.3	147.1	138.4	105.4	158.1	195.5	188.9	94.4	94.4
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)