

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: P317090

Luminaire Tested: **GAN-SA6C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317090
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-SA6C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 39381 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

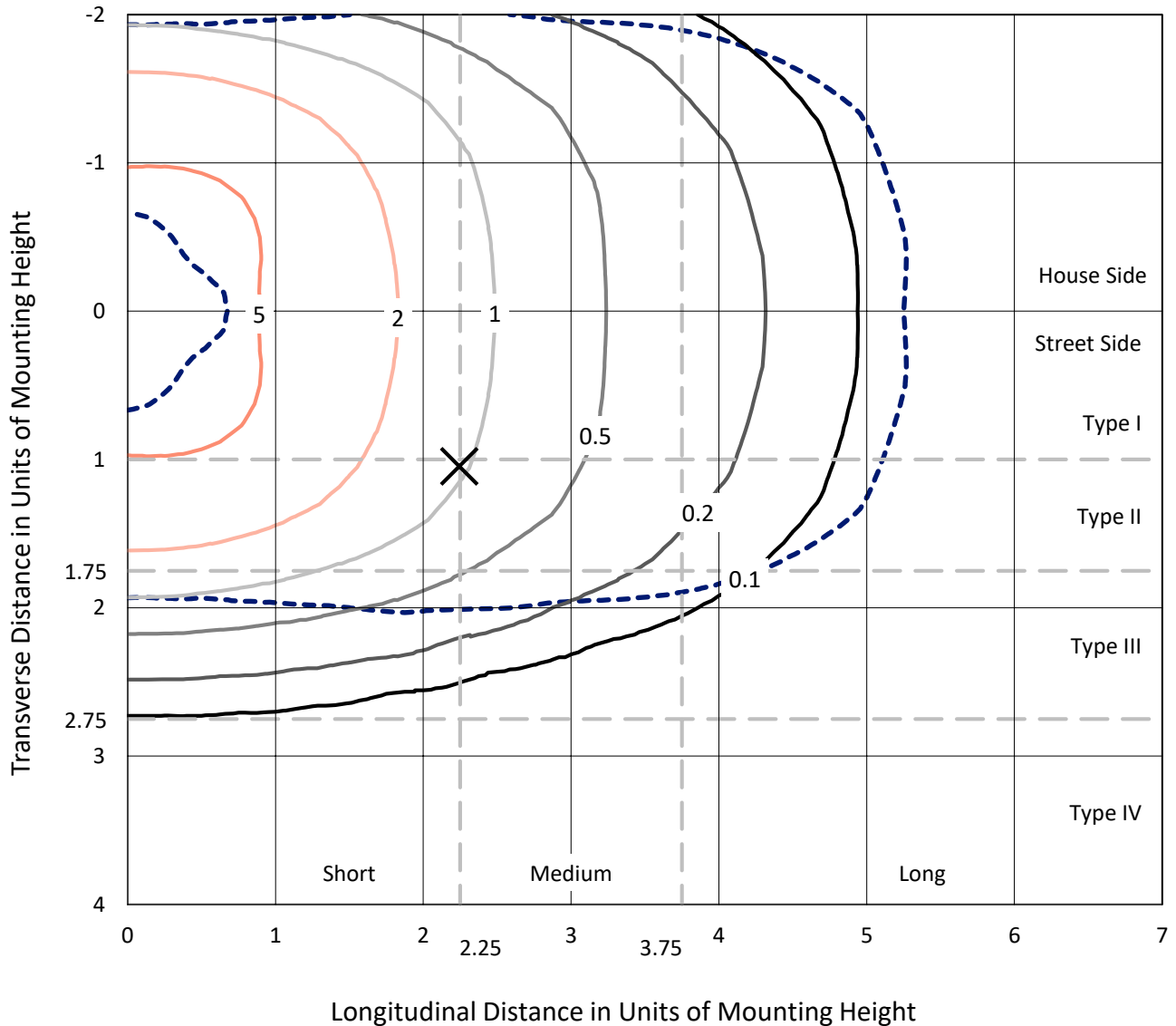
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

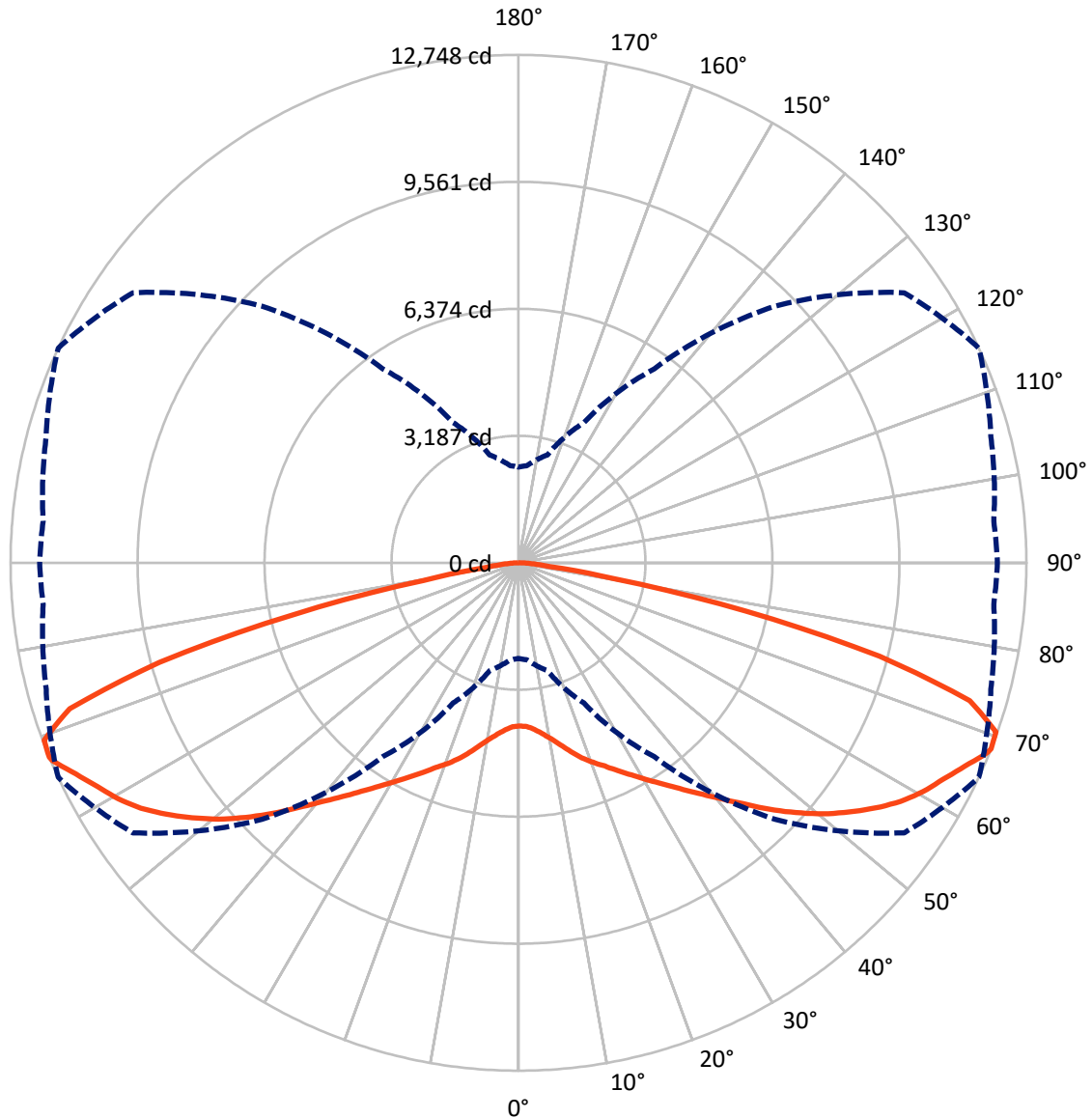
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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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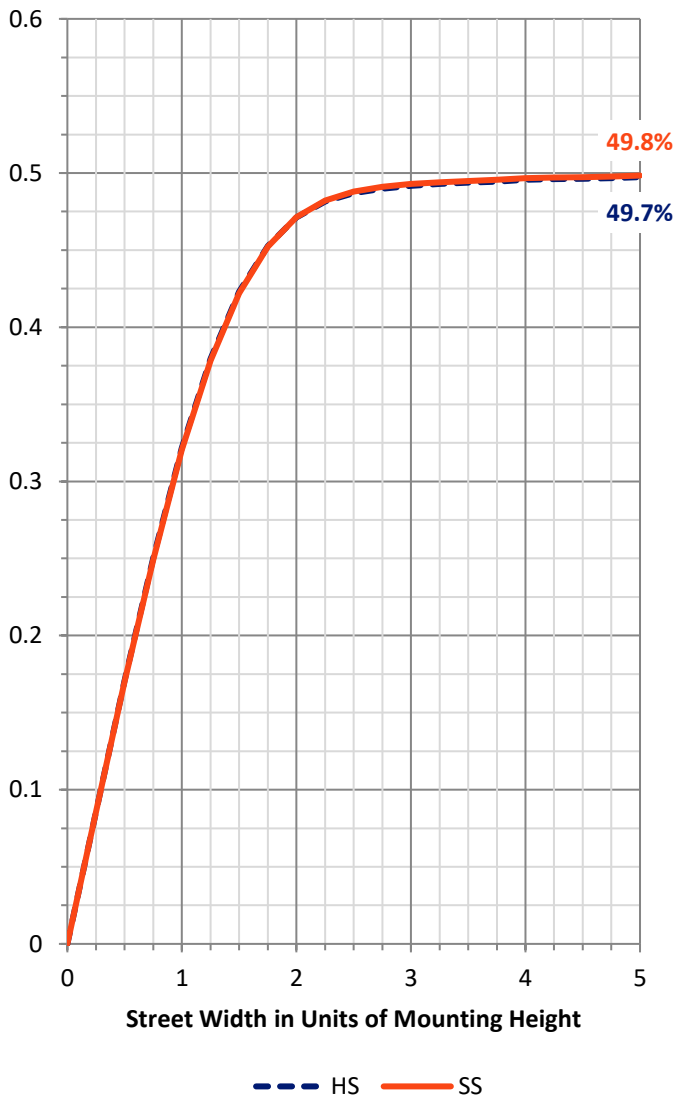
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19690.5	0.0	19690.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19690.5	0.0	19690.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39381.0	0.0	39381.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.9	1.0
10°-20°	1342.4	3.4
20°-30°	2617.3	6.6
30°-40°	4396.9	11.2
40°-50°	6927.9	17.6
50°-60°	9264.9	23.5
60°-70°	9006.6	22.9
70°-80°	4923.5	12.5
80°-90°	500.7	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°	39381.0	100.0
0°-180°	39381.0	100.0

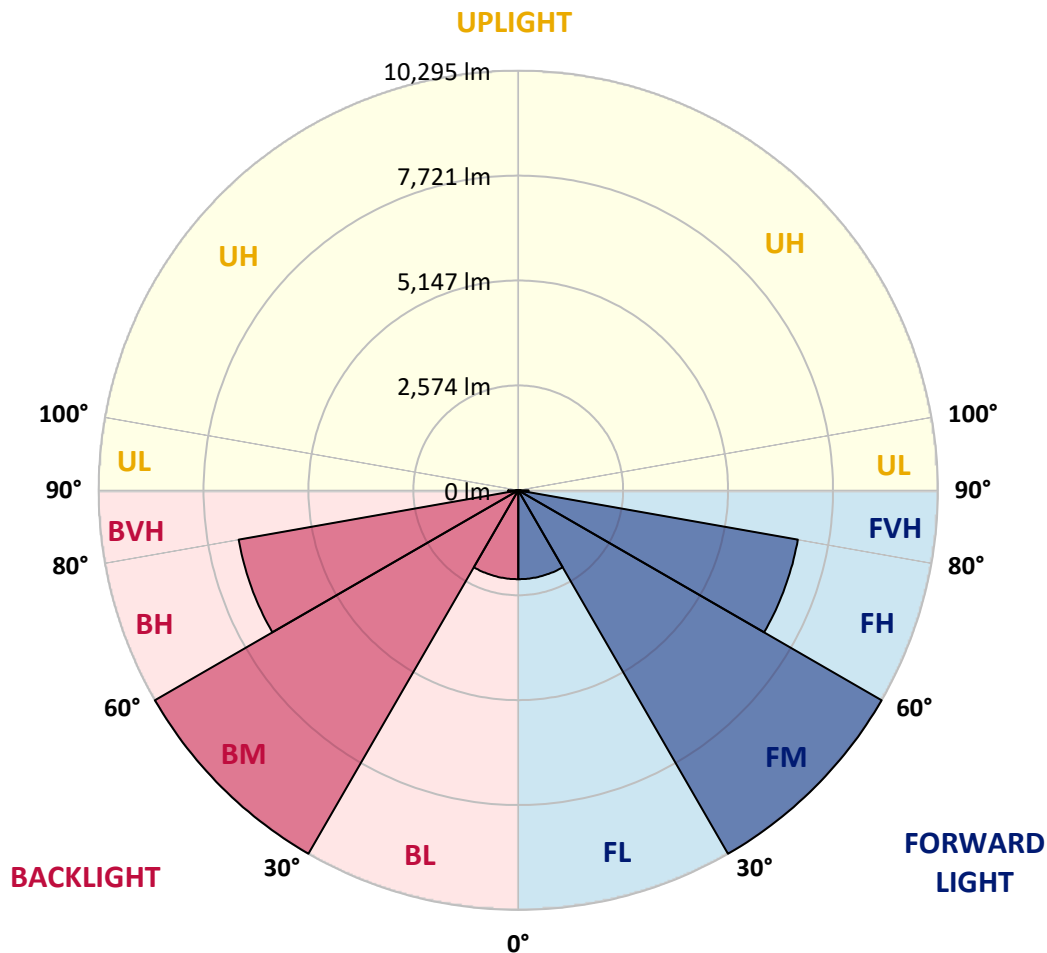


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2180.3	5.5			
FM (30°-60°)	10294.8	26.1			
FH (60°-80°)	6965.0	17.7			G3/7500
FVH (80°-90°)	250.4	0.6			G3/500
BL (0°-30°)	2180.3	5.5	B3/2500		
BM (30°-60°)	10294.8	26.1	B5		
BH (60°-80°)	6965.0	17.7	B5		G5
BVH (80°-90°)	250.4	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°	4094.7	4094.7	4094.7	4094.7	4094.7	4094.7	4094.7	4094.7	4094.7	4094.7	4094.7
2.5°	4065.6	4067.0	4073.6	4081.5	4088.1	4105.3	4109.2	4115.8	4118.5	4125.1	4125.1
5°	4030.0	4032.6	4048.5	4069.6	4093.4	4135.6	4166.0	4200.3	4217.5	4236.0	4234.7
7.5°	4026.0	4032.6	4055.1	4089.4	4129.0	4199.0	4262.4	4331.1	4377.3	4419.5	4416.9
10°	4067.0	4077.5	4109.2	4160.7	4220.1	4307.3	4401.0	4493.5	4574.0	4638.7	4641.4
12.5°	4129.0	4142.2	4192.4	4270.3	4360.1	4472.3	4583.3	4687.6	4798.5	4894.9	4902.8
15°	4210.9	4228.1	4303.3	4419.5	4556.9	4690.2	4809.1	4916.0	5044.1	5177.5	5190.7
17.5°	4332.4	4356.1	4455.2	4612.3	4793.2	4939.8	5063.9	5144.5	5251.4	5388.7	5413.8
20°	4517.2	4547.6	4673.1	4860.6	5081.1	5234.2	5329.3	5346.5	5399.3	5522.1	5551.1
22.5°	4757.6	4784.0	4923.9	5147.1	5394.0	5560.4	5610.6	5541.9	5536.6	5635.7	5663.4
25°	5025.6	5049.4	5211.8	5462.7	5728.1	5911.6	5910.3	5776.9	5684.5	5761.1	5790.1
27.5°	5326.7	5363.6	5519.5	5783.5	6067.4	6248.3	6237.8	6031.8	5856.2	5876.0	5901.1
30°	5672.6	5713.6	5865.4	6133.5	6417.4	6594.3	6581.1	6309.1	6045.0	5992.2	6010.7
32.5°	6101.8	6150.6	6294.6	6558.6	6809.5	6969.3	6931.0	6610.1	6272.1	6157.2	6174.4
35°	6618.1	6647.1	6799.0	7059.1	7262.4	7372.0	7291.5	6958.7	6560.0	6421.3	6421.3
37.5°	7141.0	7163.4	7333.7	7586.0	7782.7	7840.8	7683.7	7340.3	6936.3	6739.5	6743.5
40°	7642.7	7703.5	7894.9	8153.7	8347.8	8363.7	8155.1	7776.1	7354.9	7151.5	7175.3
42.5°	8166.9	8226.4	8454.8	8747.9	8919.6	8946.0	8701.7	8264.7	7827.6	7662.5	7688.9
45°	8634.4	8681.9	8946.0	9286.7	9500.6	9569.3	9280.1	8824.5	8338.6	8177.5	8184.1
47.5°	8960.5	9022.6	9313.1	9714.5	10026.1	10131.8	9847.9	9369.9	8841.7	8646.3	8663.4
50°	9256.3	9289.3	9583.8	10022.2	10418.3	10636.2	10393.2	9908.6	9350.1	9142.8	9161.2
52.5°	9421.4	9463.6	9748.8	10205.7	10674.5	11025.7	10877.8	10393.2	9841.3	9639.2	9661.7
55°	9306.5	9338.2	9680.2	10246.6	10832.9	11266.0	11288.5	10867.3	10323.2	10146.3	10209.7
57.5°	8783.6	8823.2	9240.5	9982.6	10852.7	11428.4	11597.5	11307.0	10773.5	10629.6	10666.5
60°	7966.2	7991.3	8436.3	9270.8	10467.2	11495.8	11794.2	11666.1	11214.5	11070.6	11120.8
62.5°	6509.8	6546.8	7078.9	8197.3	9652.4	11296.4	11984.4	11963.2	11625.2	11493.1	11538.0
65°	4449.9	4514.6	5103.5	6517.7	8396.7	10686.4	12157.3	12309.2	11988.3	11821.9	11881.4
67.5°	2687.1	2734.6	3161.1	4303.3	6425.3	9455.7	11979.1	12702.7	12244.5	11976.4	12025.3
68°	2401.9	2445.5	2802.0	3883.4	5943.3	9108.4	11816.7	12747.6	12272.2	11973.8	12017.4
70°	1451.2	1480.2	1719.2	2400.6	3962.7	7225.5	10708.8	12710.6	12449.1	12010.8	12035.8
72.5°	945.4	954.7	994.3	1232.0	2024.2	4040.6	8037.5	11844.4	12714.6	12226.0	12222.0
75°	785.7	780.4	784.3	812.1	998.3	1772.0	4696.8	9356.7	12120.4	11886.6	11803.5
77.5°	664.2	660.2	658.9	660.2	668.1	855.6	2038.8	5828.4	9274.8	10514.7	10588.6
80°	537.4	532.1	549.3	541.4	517.6	532.1	854.3	2424.3	4372.0	4703.4	4407.6
82.5°	390.9	371.0	445.0	423.9	404.1	375.0	471.4	783.0	1043.2	715.7	503.1
85°	301.1	279.9	338.0	324.8	277.3	191.5	279.9	382.9	422.5	241.6	190.1
87.5°	122.8	129.4	244.3	192.8	162.4	92.4	114.9	153.2	206.0	103.0	79.2
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)