

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: P317170

Luminaire Tested: **GAN-SA6C-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317170
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-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43243 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

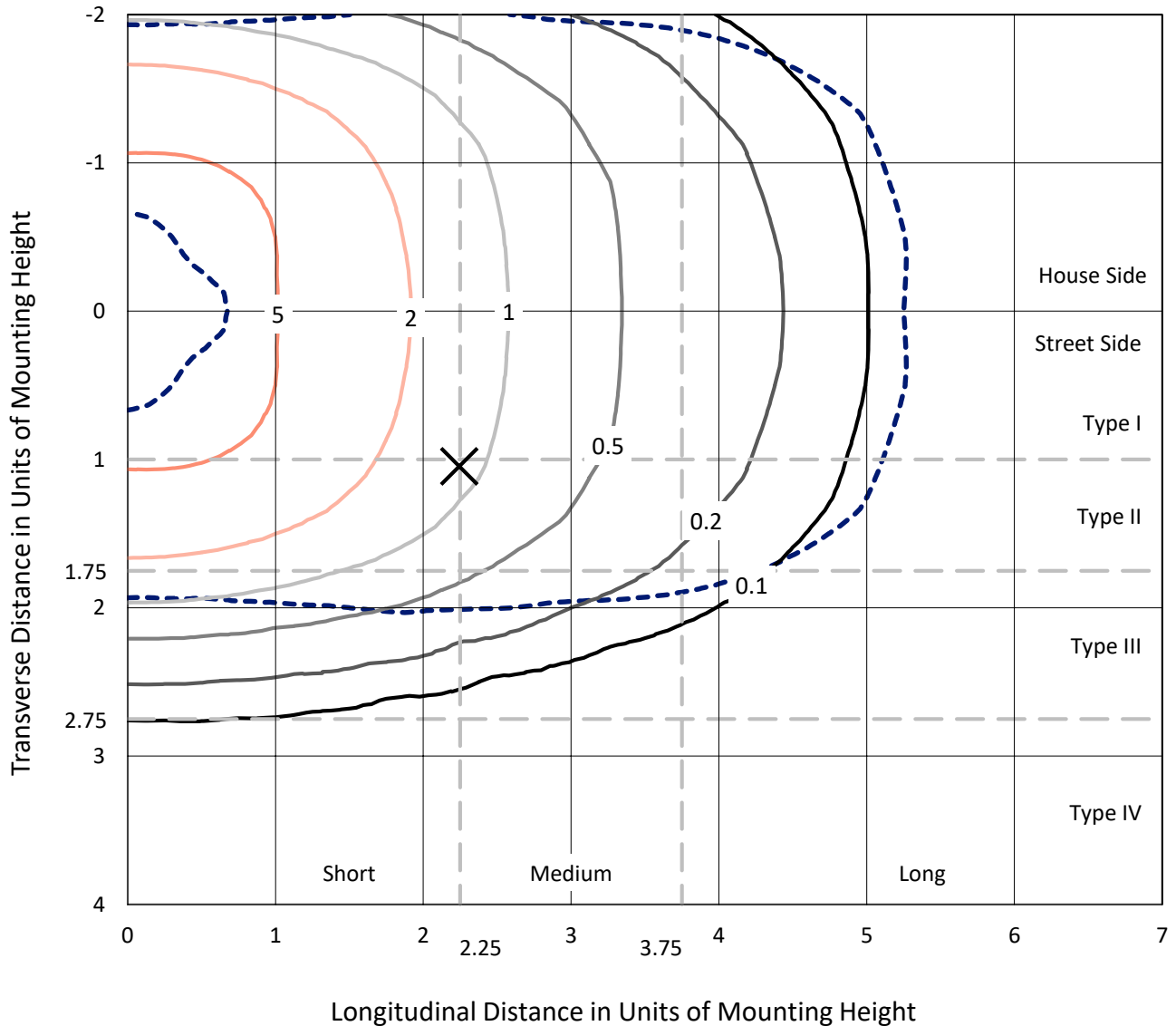
Input Watts (W): 333
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

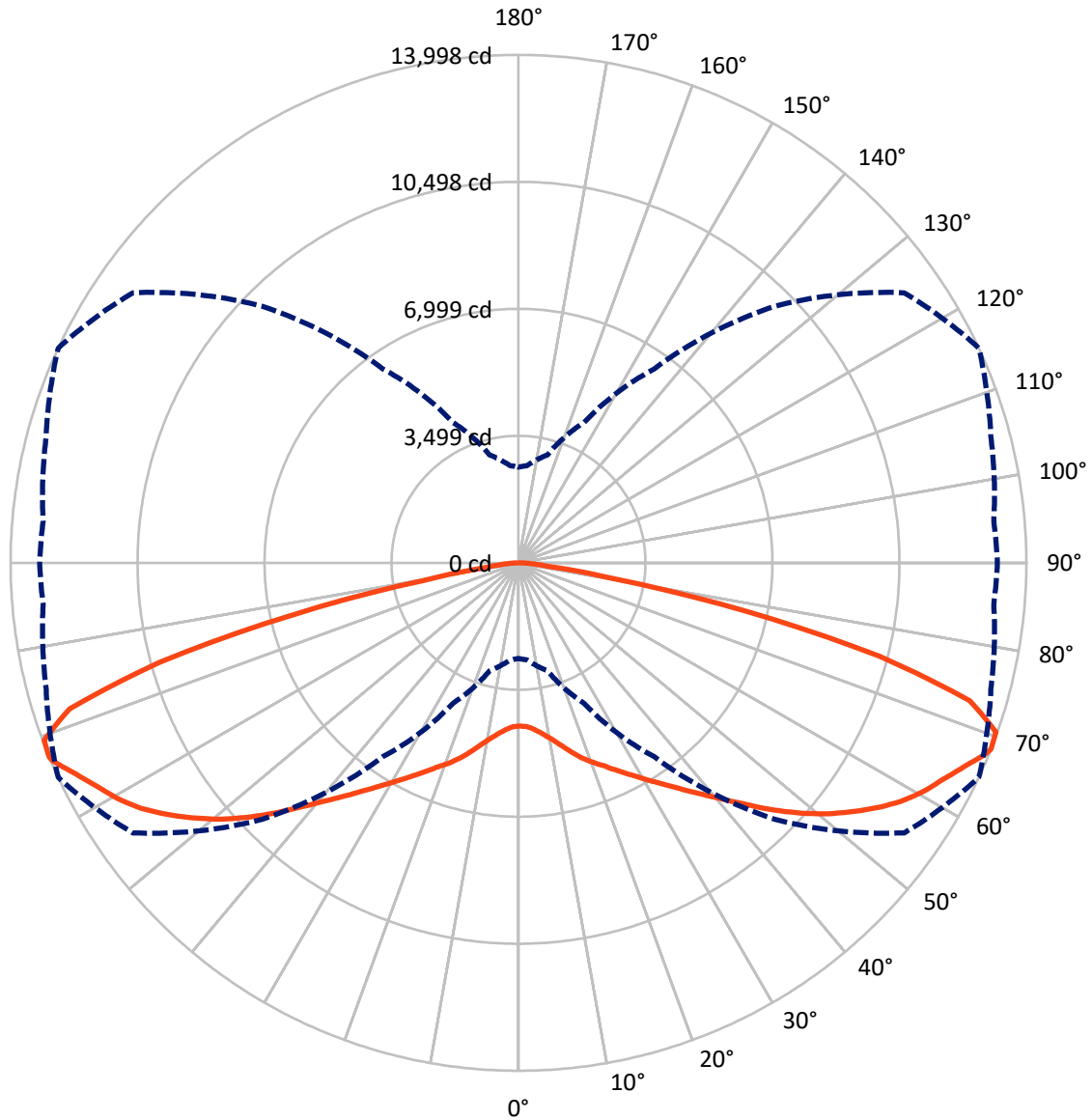
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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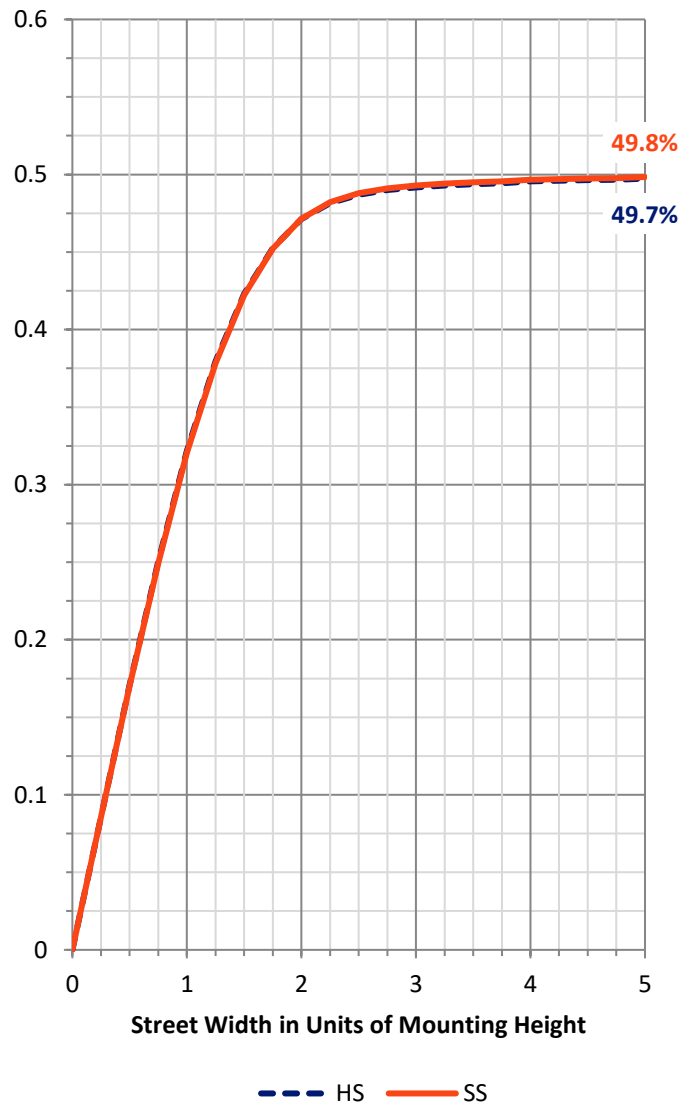
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21621.5	0.0	21621.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21621.5	0.0	21621.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43243.0	0.0	43243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.2	1.0
10°-20°	1474.0	3.4
20°-30°	2874.0	6.6
30°-40°	4828.0	11.2
40°-50°	7607.3	17.6
50°-60°	10173.5	23.5
60°-70°	9889.9	22.9
70°-80°	5406.3	12.5
80°-90°	549.8	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°	43243.0	100.0
0°-180°	43243.0	100.0

Coefficient of Utilization

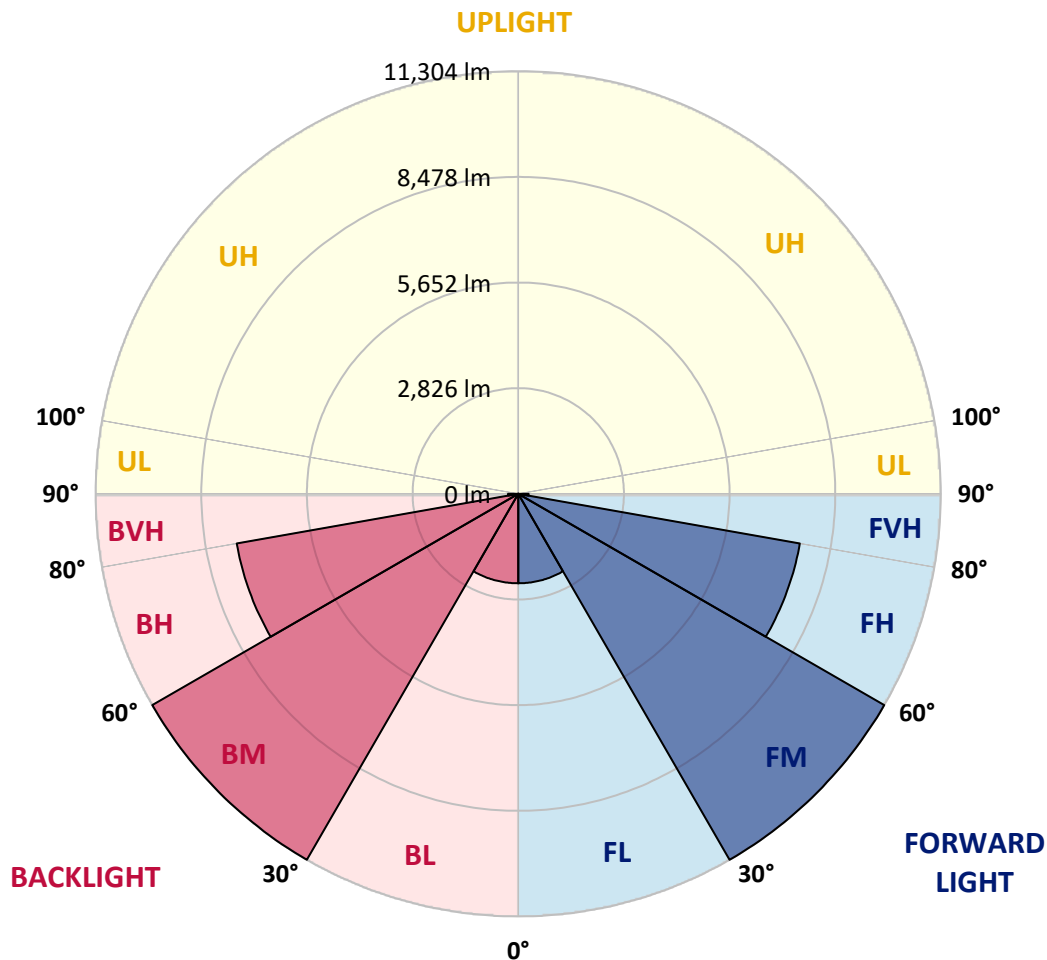


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2394.1	5.5			
FM	(30°-60°)	11304.4	26.1			
FH	(60°-80°)	7648.1	17.7			G4/12000
FVH	(80°-90°)	274.9	0.6			G3/500
BL	(0°-30°)	2394.1	5.5	B3/2500		
BM	(30°-60°)	11304.4	26.1	B5		
BH	(60°-80°)	7648.1	17.7	B5		G5
BVH	(80°-90°)	274.9	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°	4496.3	4496.3	4496.3	4496.3	4496.3	4496.3	4496.3	4496.3	4496.3	4496.3	4496.3
2.5°	4464.4	4465.8	4473.1	4481.8	4489.0	4507.9	4512.2	4519.5	4522.4	4529.6	4529.6
5°	4425.2	4428.1	4445.5	4468.7	4494.8	4541.2	4574.6	4612.2	4631.1	4651.4	4649.9
7.5°	4420.9	4428.1	4452.8	4490.5	4534.0	4610.8	4680.4	4755.8	4806.5	4852.9	4850.0
10°	4465.8	4477.4	4512.2	4568.8	4634.0	4729.7	4832.6	4934.1	5022.6	5093.6	5096.5
12.5°	4534.0	4548.5	4603.5	4689.1	4787.7	4910.9	5032.7	5147.3	5269.1	5374.9	5383.6
15°	4623.8	4642.7	4725.3	4852.9	5003.7	5150.2	5280.7	5398.1	5538.8	5685.2	5699.7
17.5°	4757.2	4783.3	4892.1	5064.6	5263.3	5424.2	5560.5	5649.0	5766.4	5917.2	5944.7
20°	4960.2	4993.6	5131.3	5337.2	5579.4	5747.6	5851.9	5870.8	5928.8	6063.6	6095.5
22.5°	5224.1	5253.1	5406.8	5651.9	5923.0	6105.7	6160.8	6085.4	6079.6	6188.3	6218.8
25°	5518.5	5544.6	5722.9	5998.4	6289.8	6491.4	6489.9	6343.5	6242.0	6326.1	6358.0
27.5°	5849.0	5889.6	6060.7	6350.7	6662.5	6861.1	6849.5	6623.3	6430.5	6452.2	6479.8
30°	6228.9	6273.9	6440.6	6735.0	7046.7	7241.0	7226.5	6927.8	6637.8	6579.8	6600.1
32.5°	6700.2	6753.8	6911.8	7201.8	7477.3	7652.8	7610.7	7258.4	6887.2	6761.1	6779.9
35°	7267.1	7299.0	7465.7	7751.4	7974.7	8095.0	8006.6	7641.2	7203.3	7051.0	7051.0
37.5°	7841.3	7865.9	8052.9	8329.9	8545.9	8609.7	8437.2	8060.2	7616.5	7400.5	7404.8
40°	8392.2	8458.9	8669.2	8953.4	9166.5	9183.9	8954.8	8538.7	8076.1	7852.9	7879.0
42.5°	8967.9	9033.1	9283.9	9605.8	9794.3	9823.3	9555.1	9075.2	8595.2	8414.0	8443.0
45°	9481.1	9533.3	9823.3	10197.4	10432.3	10507.7	10190.2	9689.9	9156.4	8979.5	8986.7
47.5°	9839.3	9907.4	10226.4	10667.2	11009.4	11125.4	10813.6	10288.8	9708.8	9494.2	9513.0
50°	10164.1	10200.3	10523.6	11005.0	11440.0	11679.2	11412.5	10880.3	10267.0	10039.4	10059.7
52.5°	10345.3	10391.7	10704.9	11206.6	11721.3	12107.0	11944.6	11412.5	10806.4	10584.5	10609.2
55°	10219.2	10254.0	10629.5	11251.5	11895.3	12370.9	12395.5	11933.0	11335.6	11141.3	11210.9
57.5°	9645.0	9688.5	10146.7	10961.5	11917.0	12549.2	12734.8	12415.8	11830.0	11672.0	11712.6
60°	8747.5	8775.0	9263.6	10180.0	11493.7	12623.2	12950.8	12810.2	12314.3	12156.3	12211.4
62.5°	7148.2	7188.8	7773.1	9001.2	10599.0	12404.2	13159.6	13136.4	12765.2	12620.3	12669.5
65°	4886.3	4957.3	5604.0	7156.9	9220.1	11734.3	13349.6	13516.3	13164.0	12981.3	13046.5
67.5°	2950.6	3002.8	3471.1	4725.3	7055.4	10383.0	13153.8	13948.4	13445.3	13150.9	13204.6
68°	2637.4	2685.3	3076.8	4264.3	6526.2	10001.7	12975.5	13997.7	13475.7	13148.0	13195.9
70°	1593.5	1625.4	1887.8	2636.0	4351.3	7934.1	11759.0	13957.1	13670.0	13188.6	13216.2
72.5°	1038.2	1048.3	1091.8	1352.8	2222.8	4436.8	8825.8	13005.9	13961.4	13425.0	13420.6
75°	862.7	856.9	861.3	891.7	1096.2	1945.8	5157.4	10274.3	13309.0	13052.3	12961.0
77.5°	729.3	725.0	723.5	725.0	733.7	939.6	2238.7	6400.0	10184.4	11545.8	11627.0
80°	590.1	584.3	603.2	594.5	568.4	584.3	938.1	2662.1	4800.7	5164.7	4839.9
82.5°	429.2	407.4	488.6	465.4	443.7	411.8	517.6	859.8	1145.5	785.9	552.4
85°	330.6	307.4	371.2	356.7	304.5	210.2	307.4	420.5	464.0	265.3	208.8
87.5°	134.8	142.1	268.2	211.7	178.3	101.5	126.1	168.2	226.2	113.1	87.0
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)