

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: P316544

Luminaire Tested: **GAN-SA0D-750-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316544
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-SA0D-750-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 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: 80678 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

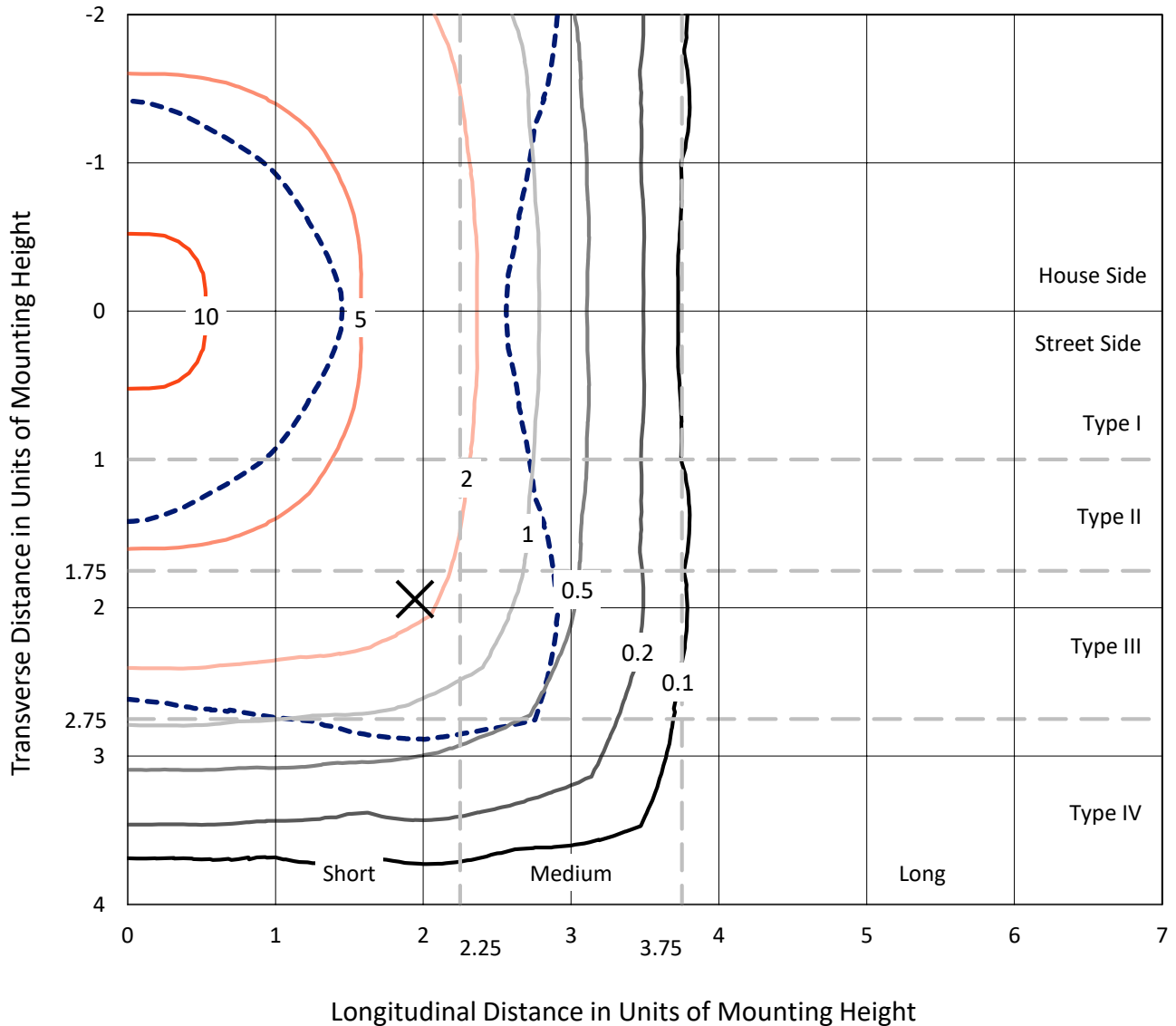
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

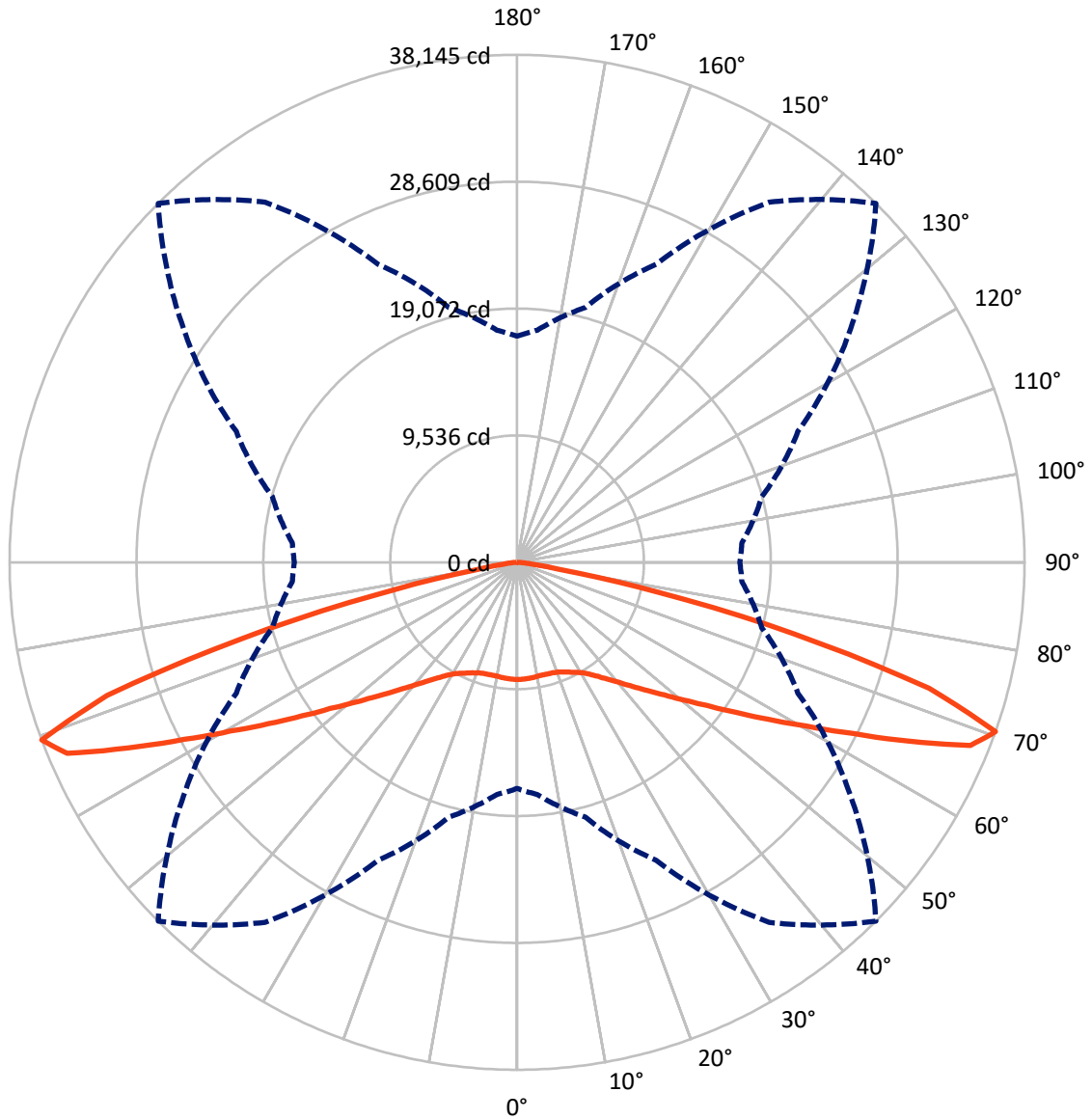
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 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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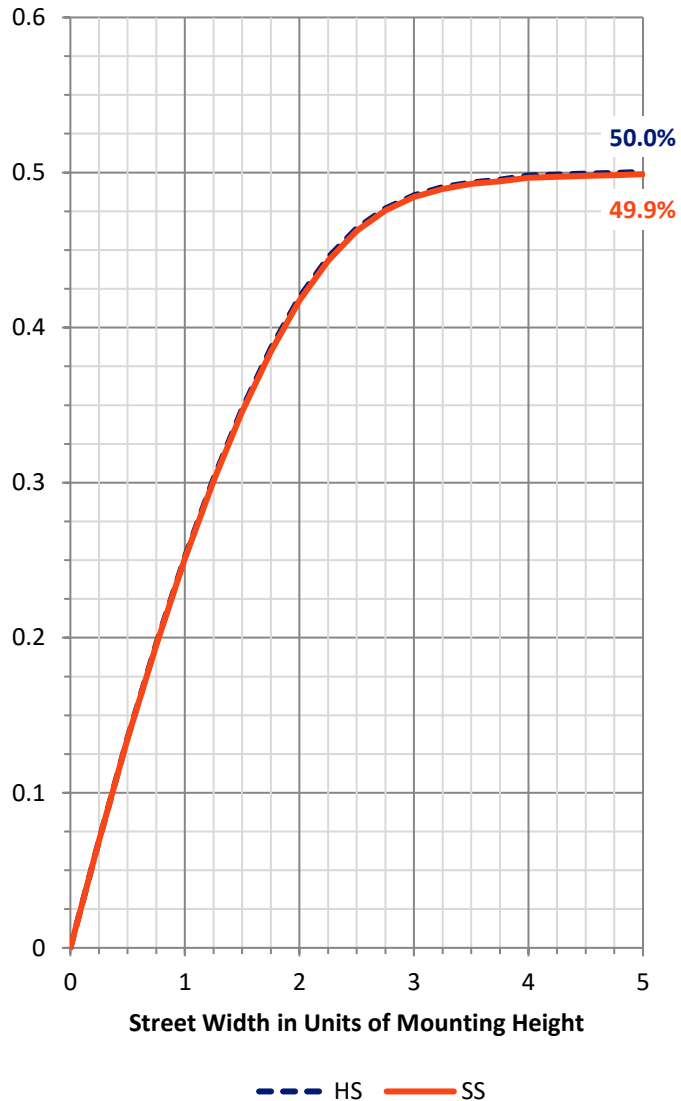
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40339.0	0.0	40339.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40339.0	0.0	40339.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	80678.0	0.0	80678.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.5	1.0
10°-20°	2449.9	3.0
20°-30°	4170.6	5.2
30°-40°	6614.5	8.2
40°-50°	10763.9	13.3
50°-60°	17747.7	22.0
60°-70°	26054.1	32.3
70°-80°	11521.1	14.3
80°-90°	521.7	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°	80678.0	100.0
0°-180°	80678.0	100.0

Coefficient of Utilization



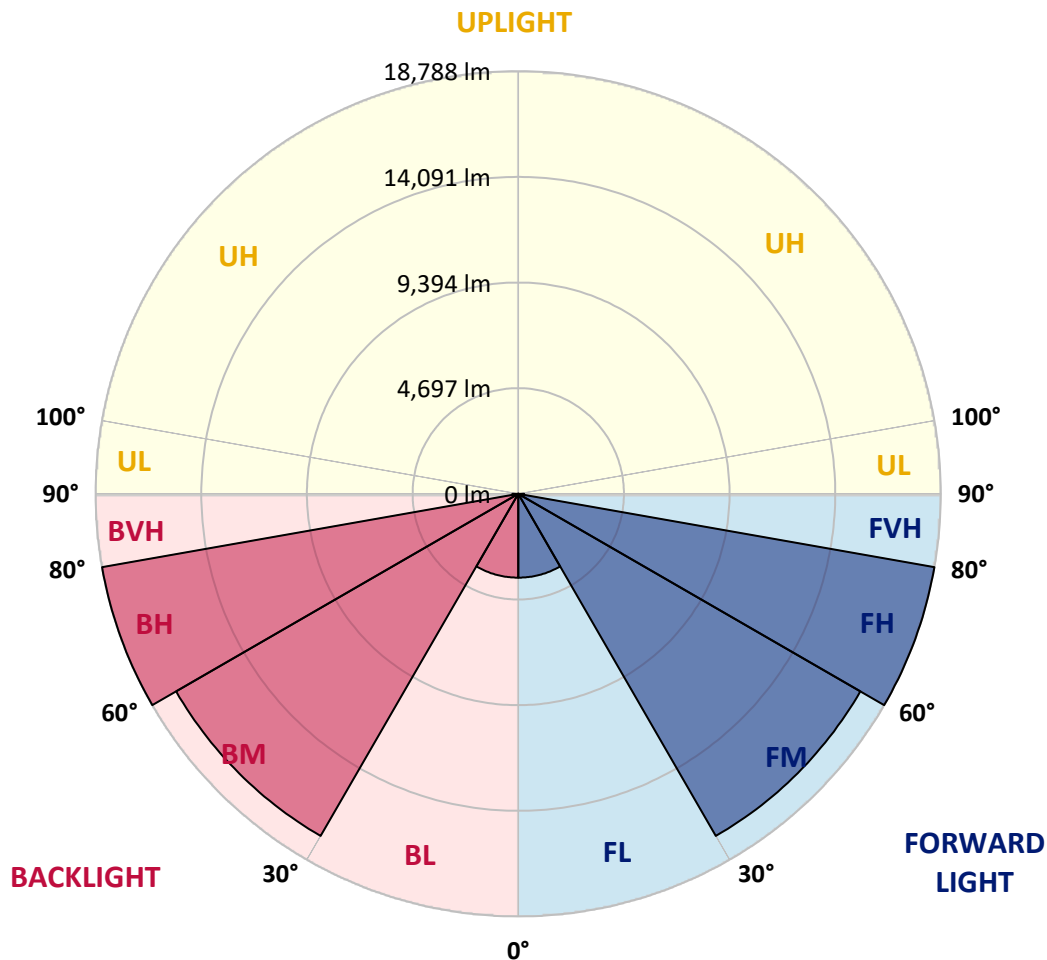
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3727.5	4.6			
FM (30°-60°)	17563.0	21.8			
FH (60°-80°)	18787.6	23.3			G5
FVH (80°-90°)	260.9	0.3			G3/500
BL (0°-30°)	3727.5	4.6	B4/5000		
BM (30°-60°)	17563.0	21.8	B5		
BH (60°-80°)	18787.6	23.3	B5		G5
BVH (80°-90°)	260.9	0.3			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8811.3	8811.3	8811.3	8811.3	8811.3	8811.3	8811.3	8811.3	8811.3	8811.3	8811.3
2.5°	8797.9	8789.9	8808.6	8806.0	8789.9	8792.6	8792.6	8800.6	8800.6	8795.3	8795.3
5°	8765.9	8760.6	8781.9	8781.9	8765.9	8771.2	8776.6	8784.6	8781.9	8776.6	8773.9
7.5°	8725.9	8723.2	8744.5	8744.5	8733.9	8739.2	8733.9	8736.5	8731.2	8725.9	8717.8
10°	8659.1	8664.4	8683.1	8688.5	8688.5	8691.1	8685.8	8672.4	8664.4	8656.4	8648.4
12.5°	8597.7	8595.0	8621.7	8635.1	8656.4	8680.5	8664.4	8627.1	8611.0	8595.0	8589.7
15°	8557.6	8560.3	8587.0	8611.0	8648.4	8699.1	8680.5	8621.7	8589.7	8571.0	8565.6
17.5°	8549.6	8555.0	8589.7	8632.4	8672.4	8728.5	8717.8	8659.1	8605.7	8571.0	8563.0
20°	8568.3	8571.0	8624.4	8685.8	8755.2	8808.6	8784.6	8720.5	8648.4	8595.0	8581.7
22.5°	8603.0	8613.7	8680.5	8776.6	8883.4	8955.5	8926.1	8816.6	8704.5	8637.7	8619.0
25°	8712.5	8715.2	8806.0	8936.8	9065.0	9147.7	9113.0	8958.1	8814.0	8739.2	8715.2
27.5°	8939.5	8947.5	9038.3	9190.4	9299.9	9353.3	9332.0	9206.5	9083.6	9003.5	9011.5
30°	9267.9	9278.6	9380.0	9548.2	9615.0	9628.3	9623.0	9564.3	9452.1	9345.3	9353.3
32.5°	9668.4	9673.7	9809.9	9962.1	10015.5	10026.2	10015.5	9962.1	9828.6	9684.4	9692.4
35°	10183.7	10199.7	10330.6	10477.4	10520.1	10541.5	10522.8	10453.4	10314.6	10173.0	10167.7
37.5°	10819.2	10821.9	10958.0	11110.2	11163.6	11169.0	11147.6	11102.2	10928.7	10800.5	10792.5
40°	11556.1	11566.8	11727.0	11889.9	11911.3	11887.2	11916.6	11889.9	11711.0	11564.2	11588.2
42.5°	12453.3	12477.3	12669.6	12829.8	12768.4	12755.0	12773.7	12781.7	12637.5	12458.6	12442.6
45°	13497.3	13518.7	13759.0	13887.1	13847.1	13759.0	13796.3	13860.4	13660.2	13438.6	13459.9
47.5°	14688.2	14741.6	14997.9	15118.0	15019.2	14899.1	14971.2	15067.3	14832.3	14557.3	14544.0
50°	16012.5	16079.3	16421.0	16589.3	16490.5	16268.9	16389.0	16453.1	16114.0	15758.9	15729.5
52.5°	17425.0	17491.8	17921.6	18268.7	18204.7	17860.2	18028.4	17961.7	17571.9	17093.9	17056.5
55°	19024.4	19051.1	19515.7	20076.4	20140.5	19886.8	19876.1	19766.7	19189.9	18637.2	18610.5
57.5°	20669.2	20687.8	21288.6	21950.8	22252.5	22252.5	21953.5	21721.2	20954.9	20314.0	20247.3
60°	22444.8	22511.5	23176.4	24076.2	24781.1	24989.4	24460.7	23827.9	22994.8	22212.5	22135.0
62.5°	24025.5	24102.9	25120.2	26460.6	27592.7	28351.0	27058.7	26028.0	24511.4	23256.5	23109.6
65°	24225.7	24434.0	25915.9	28343.0	30876.9	32390.8	29913.0	27373.8	24610.2	22866.6	22717.1
67.5°	22124.4	22476.8	24479.4	28257.6	33493.6	36743.1	31736.7	26604.8	22837.3	20909.5	20743.9
70°	17000.5	17513.1	19822.7	24717.0	33042.3	38144.9	30593.9	23291.2	19040.4	16965.7	16733.4
72.5°	9326.6	9537.6	11614.9	16925.7	26490.0	32414.9	25518.0	17222.1	12626.9	10274.5	9884.7
75°	2958.5	3033.2	4090.6	6926.2	14984.5	21470.2	16210.1	8453.5	4654.0	3431.1	3391.0
77.5°	1313.7	1321.7	1479.2	2021.3	5161.3	10877.9	6199.9	2301.6	1586.0	1385.8	1431.2
80°	830.4	830.4	915.8	1001.3	1404.5	3158.7	1676.8	1094.7	934.5	867.8	886.5
82.5°	397.8	440.6	595.4	640.8	771.7	1062.7	859.8	715.6	624.8	464.6	432.6
85°	261.7	218.9	376.5	424.5	448.6	510.0	499.3	472.6	408.5	232.3	259.0
87.5°	117.5	112.1	194.9	178.9	168.2	128.2	192.2	237.6	229.6	114.8	114.8
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)