

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: P316504

Luminaire Tested: **GAN-SA0D-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316504
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-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 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: 80679 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

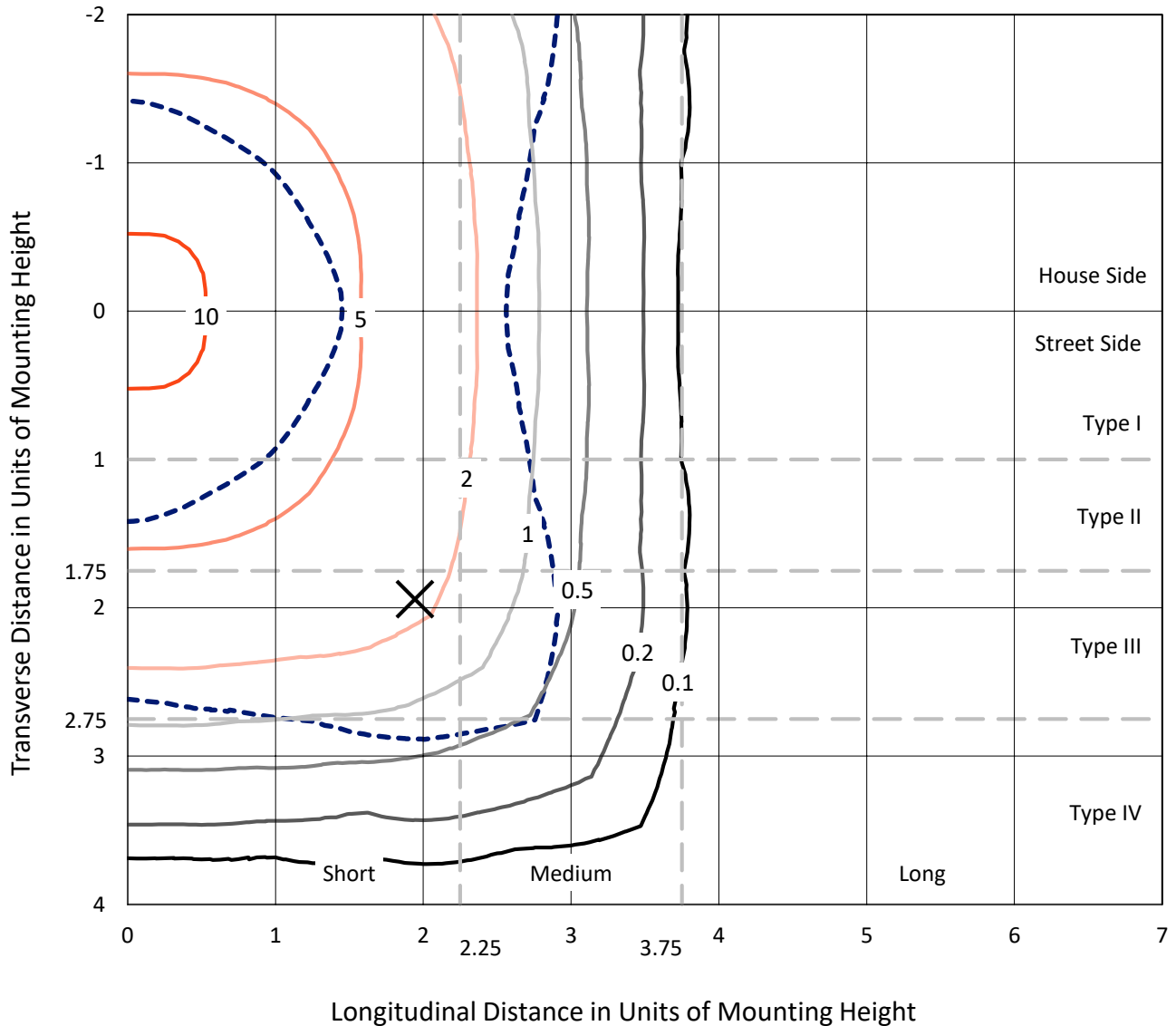
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

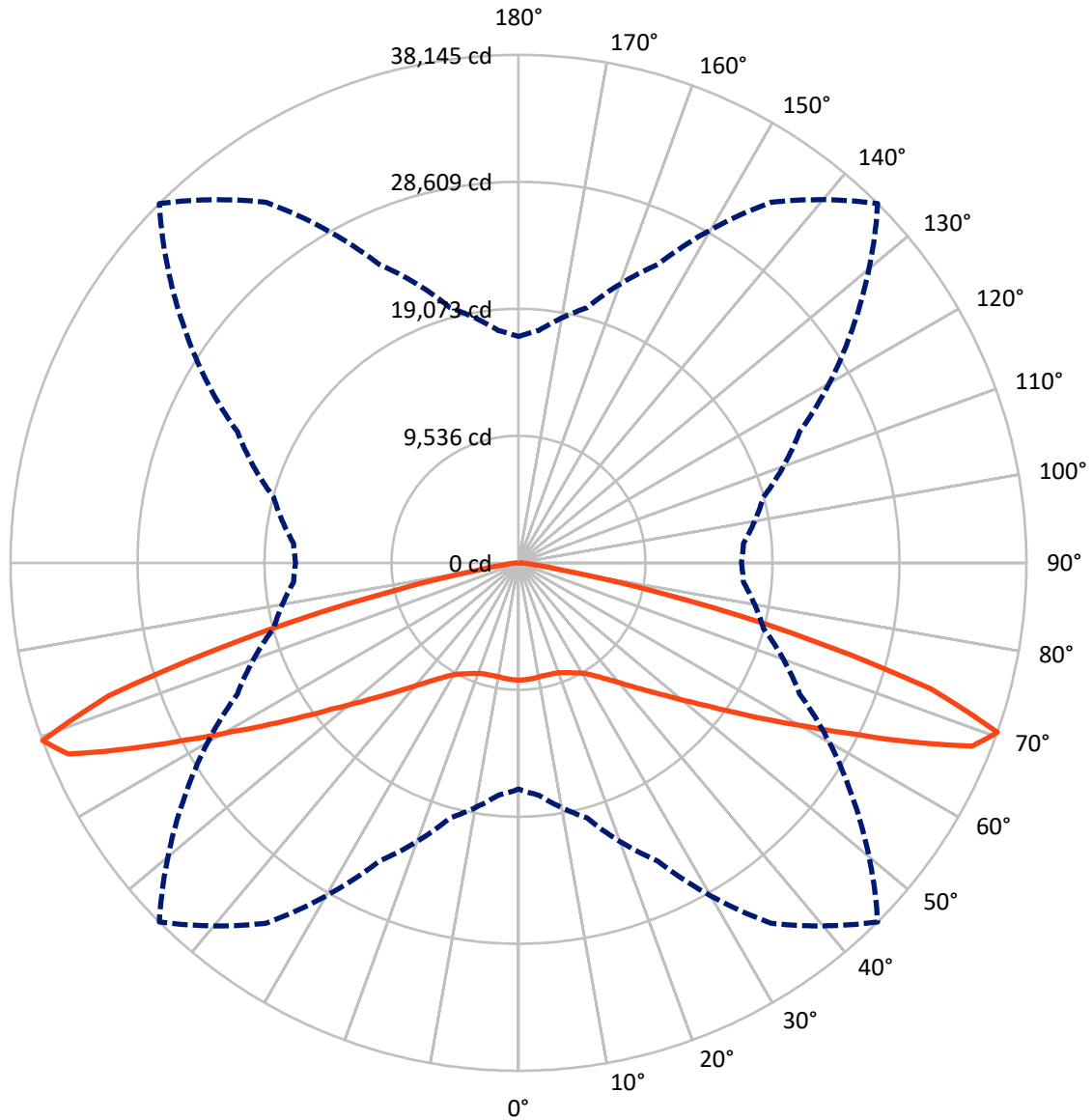
✕ Max cd
 - - - 1/2 Max cd



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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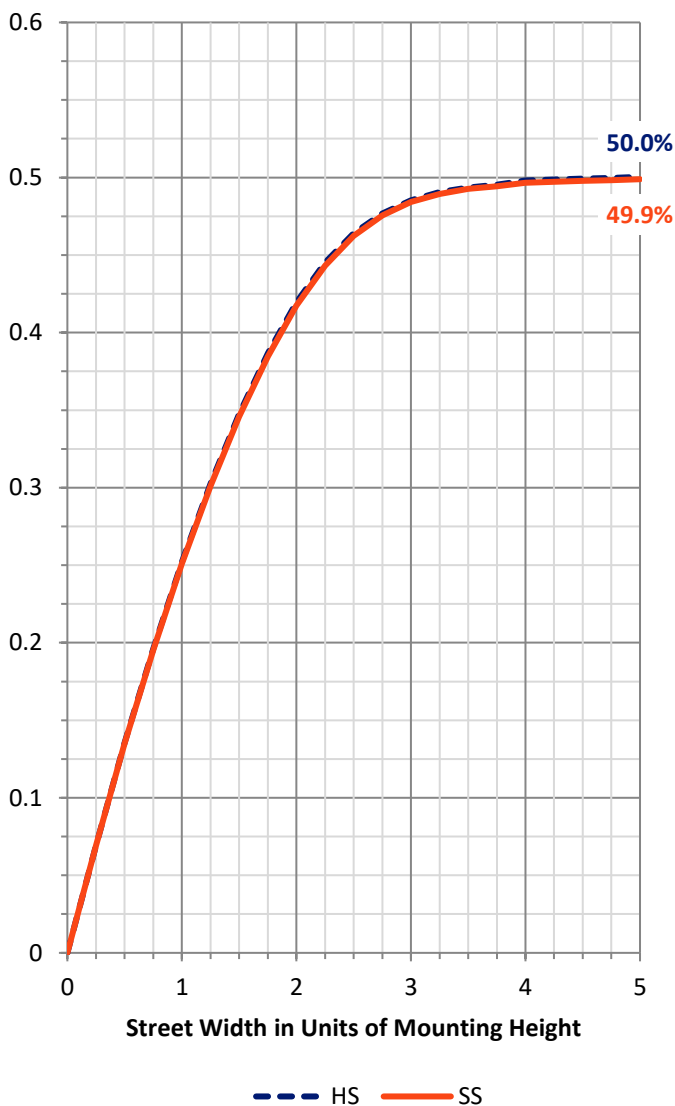
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	40339.5	0.0	40339.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	40339.5	0.0	40339.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	80679.0	0.0	80679.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.5	1.0
10°-20°	2450.0	3.0
20°-30°	4170.6	5.2
30°-40°	6614.6	8.2
40°-50°	10764.0	13.3
50°-60°	17747.9	22.0
60°-70°	26054.4	32.3
70°-80°	11521.2	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°	80679.0	100.0
0°-180°	80679.0	100.0

Coefficient of Utilization

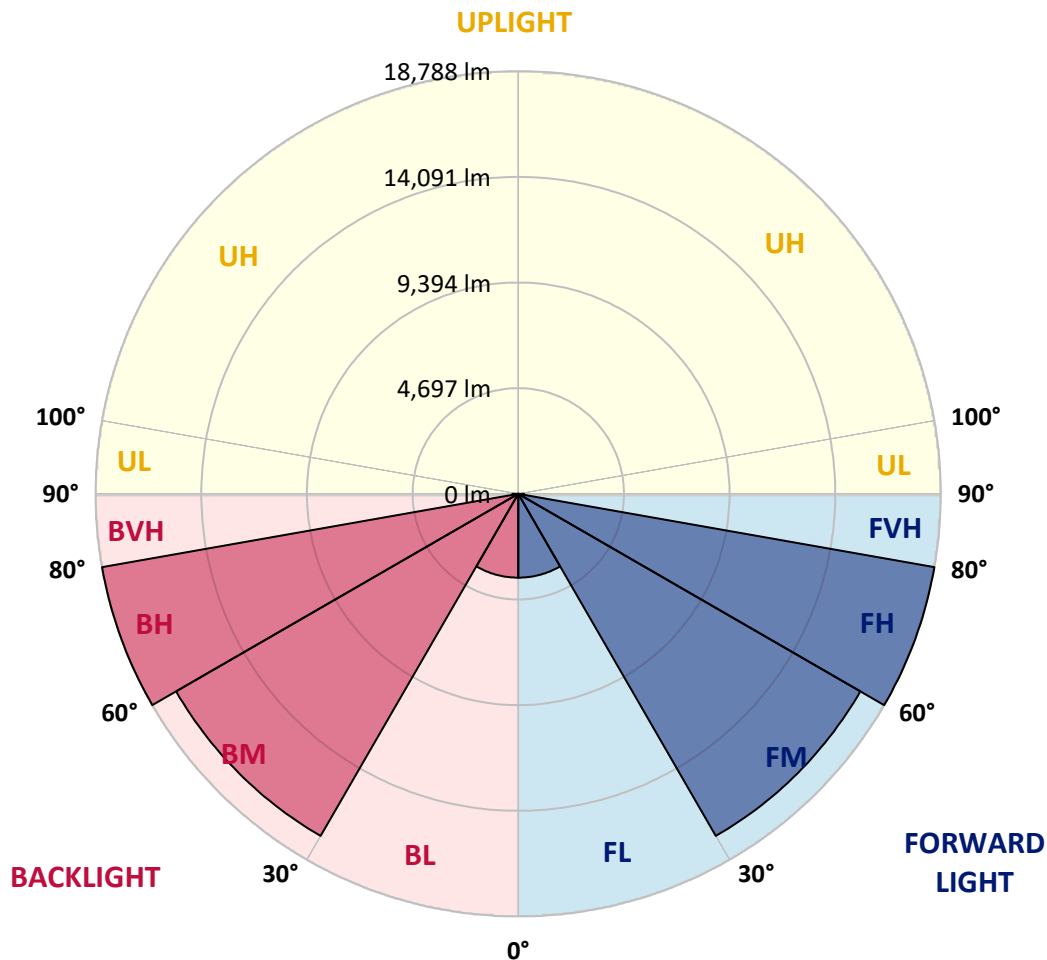


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3727.6	4.6			
FM (30°-60°)	17563.3	21.8			
FH (60°-80°)	18787.8	23.3			G5
FVH (80°-90°)	260.9	0.3			G3/500
BL (0°-30°)	3727.6	4.6	B4/5000		
BM (30°-60°)	17563.3	21.8	B5		
BH (60°-80°)	18787.8	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°	8811.4	8811.4	8811.4	8811.4	8811.4	8811.4	8811.4	8811.4	8811.4	8811.4	8811.4
2.5°	8798.1	8790.0	8808.7	8806.1	8790.0	8792.7	8792.7	8800.7	8800.7	8795.4	8795.4
5°	8766.0	8760.7	8782.0	8782.0	8766.0	8771.4	8776.7	8784.7	8782.0	8776.7	8774.0
7.5°	8726.0	8723.3	8744.6	8744.6	8734.0	8739.3	8734.0	8736.6	8731.3	8726.0	8717.9
10°	8659.2	8664.5	8683.2	8688.6	8688.6	8691.2	8685.9	8672.6	8664.5	8656.5	8648.5
12.5°	8597.8	8595.1	8621.8	8635.2	8656.5	8680.6	8664.5	8627.2	8611.1	8595.1	8589.8
15°	8557.7	8560.4	8587.1	8611.1	8648.5	8699.3	8680.6	8621.8	8589.8	8571.1	8565.8
17.5°	8549.7	8555.1	8589.8	8632.5	8672.6	8728.6	8717.9	8659.2	8605.8	8571.1	8563.1
20°	8568.4	8571.1	8624.5	8685.9	8755.3	8808.7	8784.7	8720.6	8648.5	8595.1	8581.8
22.5°	8603.1	8613.8	8680.6	8776.7	8883.5	8955.6	8926.2	8816.7	8704.6	8637.8	8619.2
25°	8712.6	8715.3	8806.1	8936.9	9065.1	9147.8	9113.1	8958.3	8814.1	8739.3	8715.3
27.5°	8939.6	8947.6	9038.4	9190.6	9300.0	9353.4	9332.1	9206.6	9083.8	9003.7	9011.7
30°	9268.0	9278.7	9380.1	9548.4	9615.1	9628.5	9623.1	9564.4	9452.2	9345.4	9353.4
32.5°	9668.5	9673.9	9810.0	9962.2	10015.6	10026.3	10015.6	9962.2	9828.7	9684.5	9692.5
35°	10183.8	10199.9	10330.7	10477.6	10520.3	10541.6	10523.0	10453.5	10314.7	10173.2	10167.8
37.5°	10819.3	10822.0	10958.2	11110.4	11163.8	11169.1	11147.8	11102.4	10928.8	10800.6	10792.6
40°	11556.3	11567.0	11727.2	11890.1	11911.4	11887.4	11916.8	11890.1	11711.2	11564.3	11588.3
42.5°	12453.4	12477.5	12669.7	12829.9	12768.5	12755.2	12773.9	12781.9	12637.7	12458.8	12442.8
45°	13497.5	13518.8	13759.1	13887.3	13847.3	13759.1	13796.5	13860.6	13660.3	13438.7	13460.1
47.5°	14688.3	14741.7	14998.1	15118.2	15019.4	14899.3	14971.4	15067.5	14832.5	14557.5	14544.2
50°	16012.7	16079.5	16421.2	16589.5	16490.7	16269.1	16389.2	16453.3	16114.2	15759.1	15729.7
52.5°	17425.2	17492.0	17921.9	18269.0	18204.9	17860.4	18028.7	17961.9	17572.1	17094.1	17056.7
55°	19024.6	19051.3	19515.9	20076.6	20140.7	19887.1	19876.4	19766.9	19190.2	18637.5	18610.7
57.5°	20669.4	20688.1	21288.9	21951.1	22252.8	22252.8	21953.7	21721.4	20955.1	20314.3	20247.5
60°	22445.0	22511.8	23176.7	24076.5	24781.4	24989.7	24461.0	23828.2	22995.1	22212.7	22135.3
62.5°	24025.8	24103.2	25120.5	26460.9	27593.0	28351.4	27059.0	26028.3	24511.7	23256.8	23109.9
65°	24226.0	24434.3	25916.2	28343.3	30877.3	32391.2	29913.4	27374.1	24610.5	22866.9	22717.4
67.5°	22124.6	22477.1	24479.7	28257.9	33494.0	36743.5	31737.1	26605.1	22837.6	20909.7	20744.2
70°	17000.7	17513.3	19823.0	24717.3	33042.8	38145.4	30594.3	23291.5	19040.6	16966.0	16733.7
72.5°	9326.7	9537.7	11615.0	16925.9	26490.3	32415.3	25518.4	17222.3	12627.0	10274.6	9884.8
75°	2958.5	3033.3	4090.6	6926.3	14984.7	21470.5	16210.3	8453.6	4654.0	3431.1	3391.1
77.5°	1313.7	1321.7	1479.2	2021.3	5161.3	10878.1	6200.0	2301.6	1586.1	1385.8	1431.2
80°	830.4	830.4	915.9	1001.3	1404.5	3158.8	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)