

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: P316452

Luminaire Tested: **GAN-SA8C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316452
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-SA8C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54231 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

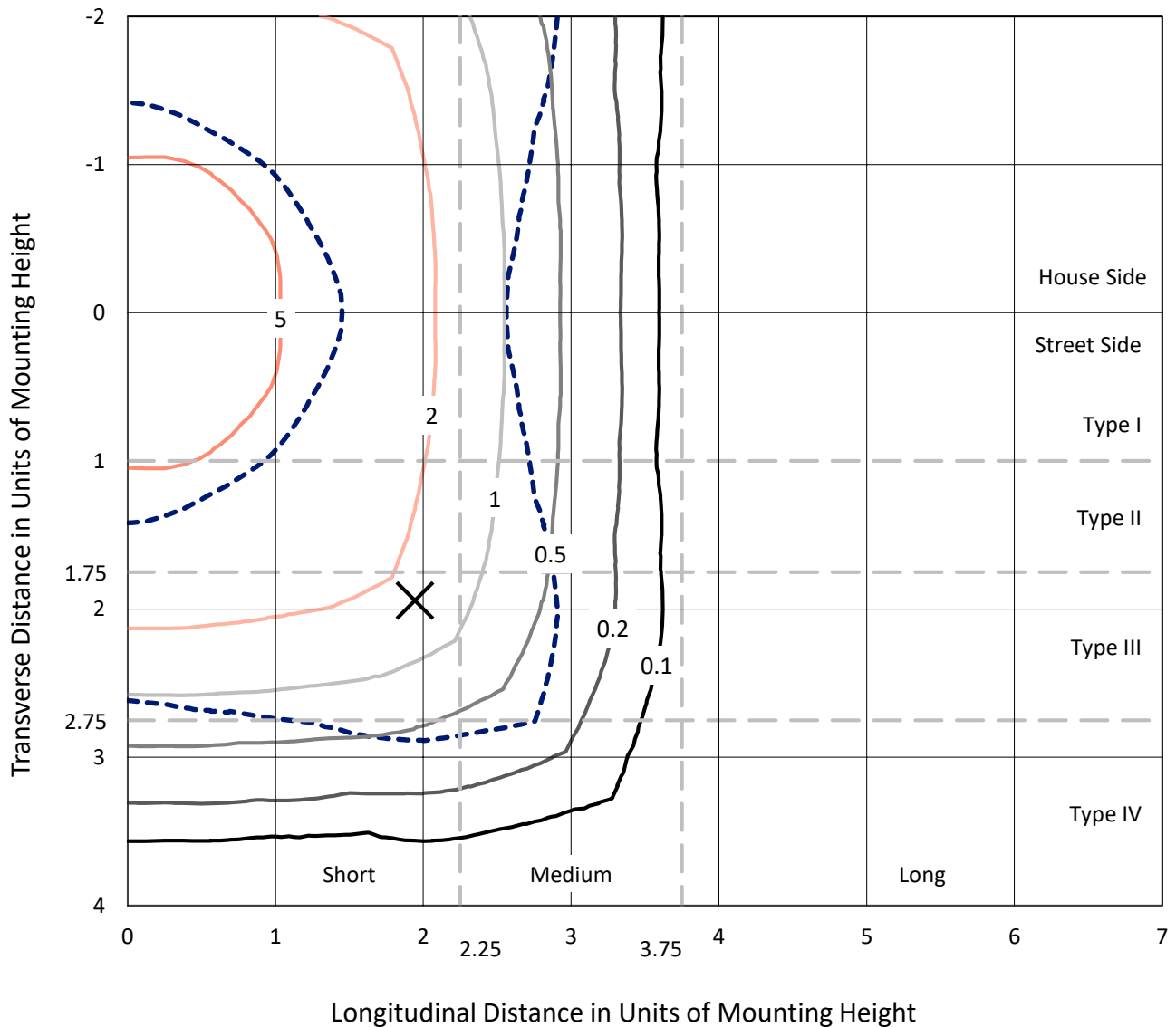
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

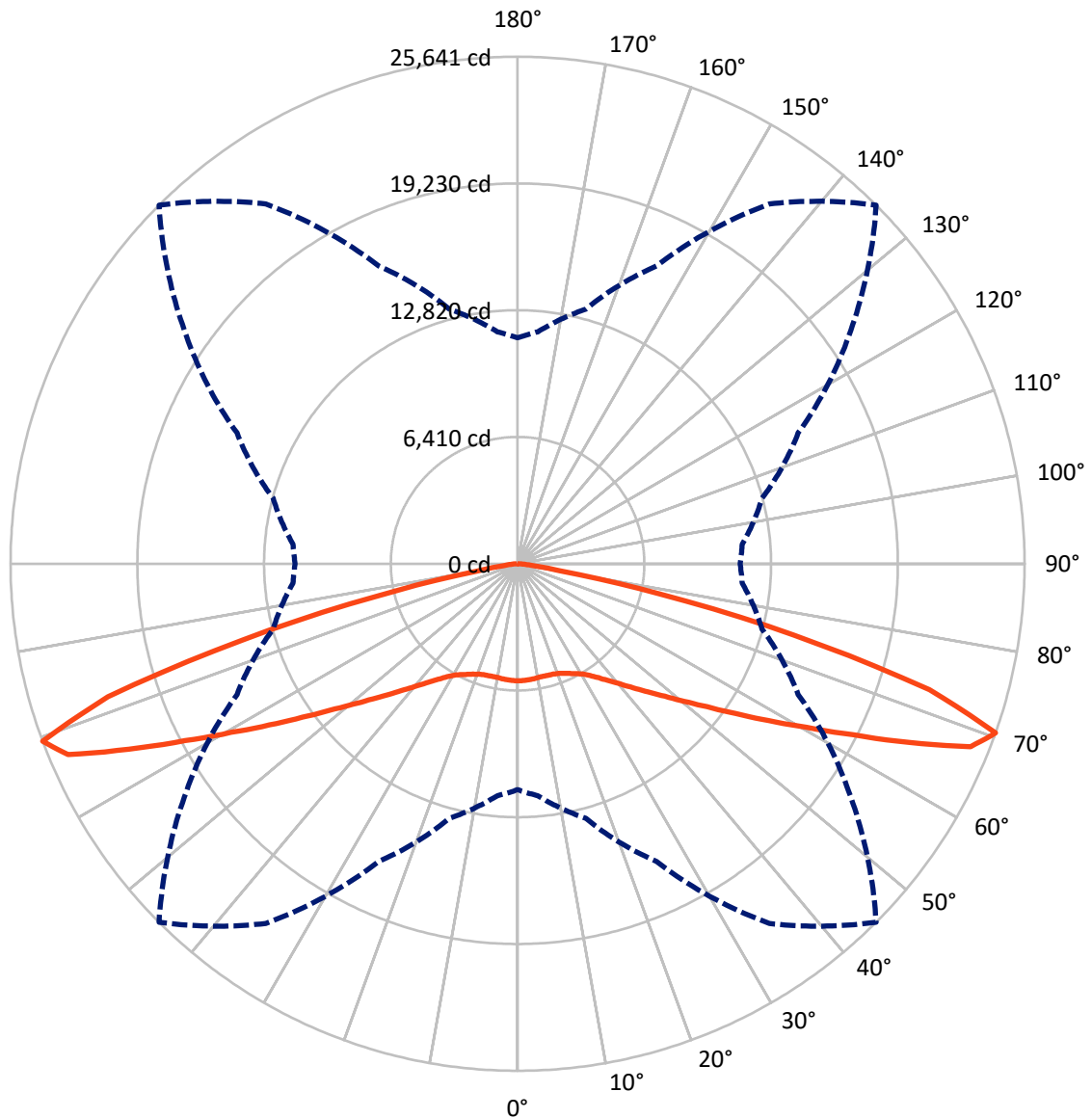
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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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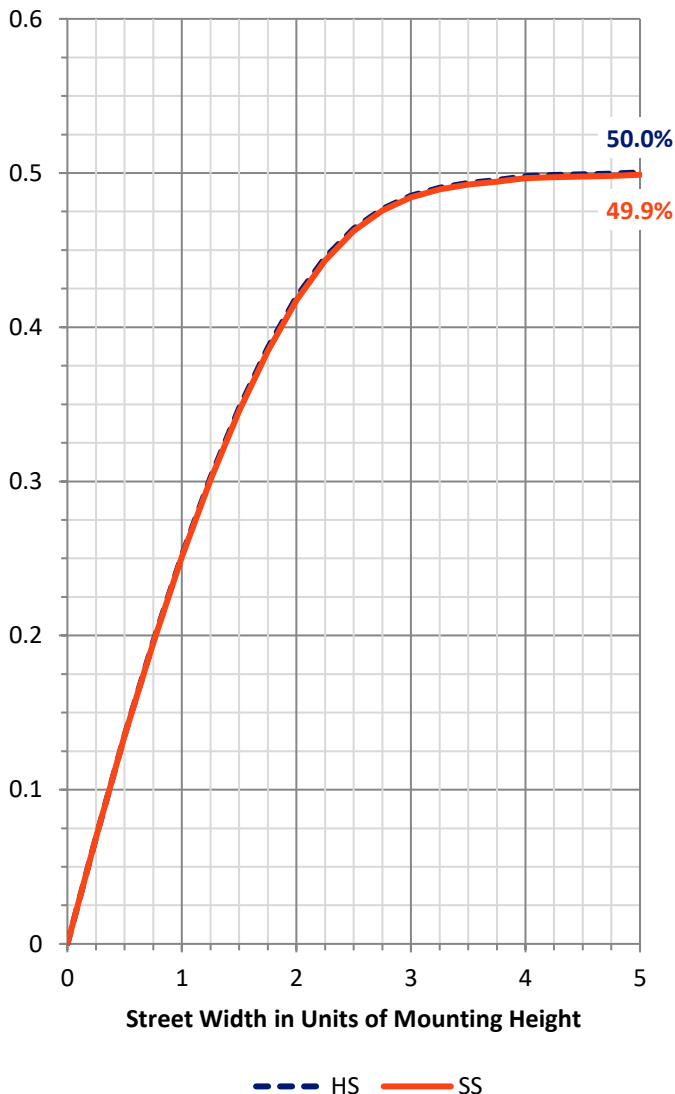
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27115.5	0.0	27115.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27115.5	0.0	27115.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54231.0	0.0	54231.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.0	1.0
10°-20°	1646.8	3.0
20°-30°	2803.4	5.2
30°-40°	4446.2	8.2
40°-50°	7235.4	13.3
50°-60°	11929.8	22.0
60°-70°	17513.3	32.3
70°-80°	7744.4	14.3
80°-90°	350.7	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°	54231.0	100.0
0°-180°	54231.0	100.0

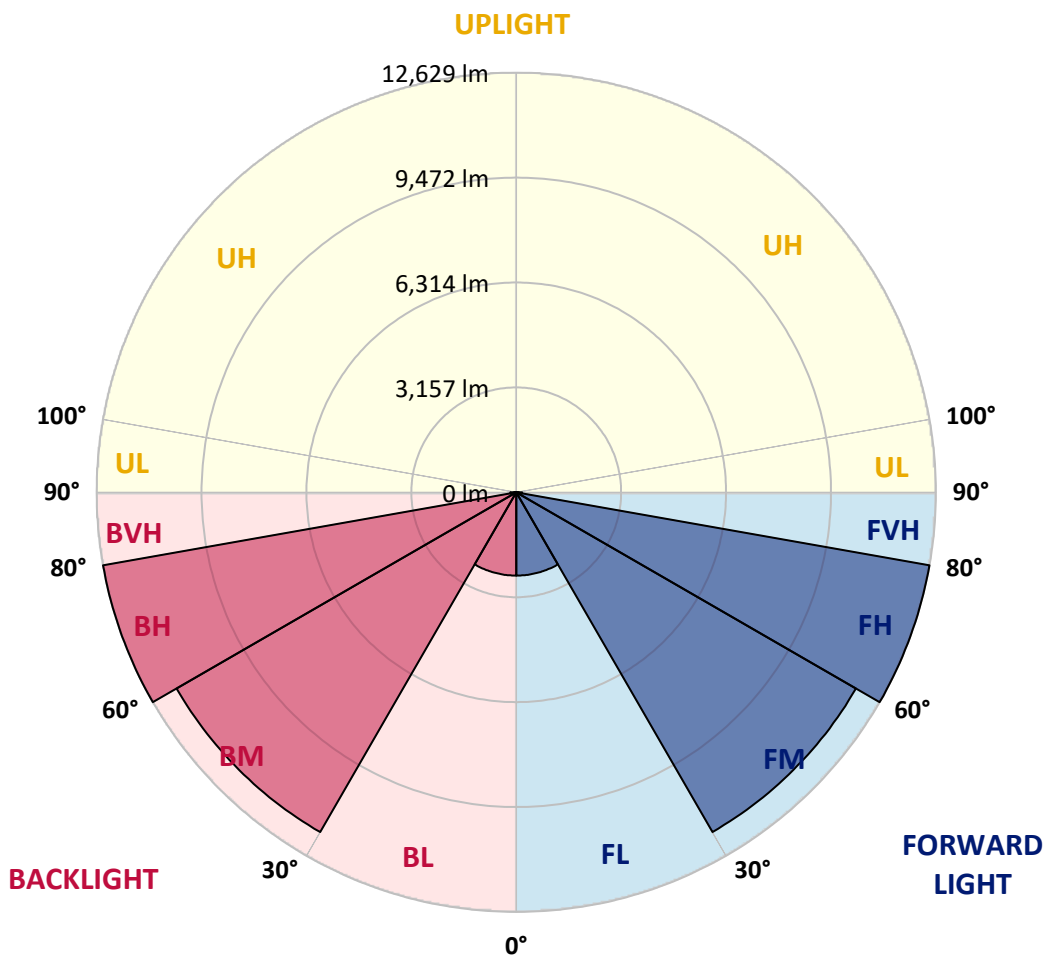


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2505.6	4.6			
FM (30°-60°)	11805.7	21.8			
FH (60°-80°)	12628.8	23.3			G5
FVH (80°-90°)	175.4	0.3			G2/225
BL (0°-30°)	2505.6	4.6	B4/5000		
BM (30°-60°)	11805.7	21.8	B5		
BH (60°-80°)	12628.8	23.3	B5		G5
BVH (80°-90°)	175.4	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°	5922.9	5922.9	5922.9	5922.9	5922.9	5922.9	5922.9	5922.9	5922.9	5922.9	5922.9
2.5°	5913.9	5908.5	5921.1	5919.3	5908.5	5910.3	5910.3	5915.7	5915.7	5912.1	5912.1
5°	5892.4	5888.8	5903.1	5903.1	5892.4	5895.9	5899.5	5904.9	5903.1	5899.5	5897.7
7.5°	5865.4	5863.6	5878.0	5878.0	5870.8	5874.4	5870.8	5872.6	5869.0	5865.4	5860.1
10°	5820.6	5824.2	5836.7	5840.3	5840.3	5842.1	5838.5	5829.5	5824.2	5818.8	5813.4
12.5°	5779.3	5777.5	5795.4	5804.4	5818.8	5834.9	5824.2	5799.0	5788.3	5777.5	5773.9
15°	5752.4	5754.2	5772.1	5788.3	5813.4	5847.5	5834.9	5795.4	5773.9	5761.3	5757.7
17.5°	5747.0	5750.6	5773.9	5802.6	5829.5	5867.2	5860.1	5820.6	5784.7	5761.3	5756.0
20°	5759.5	5761.3	5797.2	5838.5	5885.2	5921.1	5904.9	5861.8	5813.4	5777.5	5768.5
22.5°	5782.9	5790.1	5834.9	5899.5	5971.3	6019.8	6000.0	5926.5	5851.1	5806.2	5793.6
25°	5856.5	5858.3	5919.3	6007.2	6093.4	6149.0	6125.7	6021.6	5924.7	5874.4	5858.3
27.5°	6009.0	6014.4	6075.4	6177.7	6251.3	6287.2	6272.9	6188.5	6105.9	6052.1	6057.5
30°	6229.8	6237.0	6305.2	6418.2	6463.1	6472.1	6468.5	6429.0	6353.6	6281.8	6287.2
32.5°	6499.0	6502.6	6594.1	6696.4	6732.3	6739.5	6732.3	6696.4	6606.7	6509.8	6515.2
35°	6845.4	6856.2	6944.1	7042.8	7071.5	7085.9	7073.3	7026.7	6933.3	6838.2	6834.6
37.5°	7272.6	7274.4	7365.9	7468.2	7504.1	7507.7	7493.3	7462.8	7346.2	7260.0	7254.6
40°	7767.9	7775.1	7882.8	7992.3	8006.6	7990.5	8010.2	7992.3	7872.0	7773.3	7789.5
42.5°	8371.0	8387.1	8516.4	8624.1	8582.8	8573.8	8586.4	8591.7	8494.8	8374.6	8363.8
45°	9072.8	9087.1	9248.6	9334.8	9307.9	9248.6	9273.8	9316.9	9182.2	9033.3	9047.6
47.5°	9873.2	9909.1	10081.4	10162.2	10095.8	10015.0	10063.5	10128.1	9970.2	9785.3	9776.3
50°	10763.5	10808.3	11038.1	11151.1	11084.7	10935.8	11016.5	11059.6	10831.7	10593.0	10573.2
52.5°	11712.9	11757.8	12046.8	12280.1	12237.0	12005.5	12118.5	12073.7	11811.6	11490.4	11465.2
55°	12788.0	12806.0	13118.3	13495.2	13538.2	13367.7	13360.6	13287.0	12899.3	12527.8	12509.8
57.5°	13893.6	13906.2	14310.0	14755.1	14957.9	14957.9	14756.9	14600.8	14085.7	13654.9	13610.0
60°	15087.2	15132.0	15578.9	16183.8	16657.6	16797.6	16442.2	16016.9	15456.9	14931.0	14879.0
62.5°	16149.7	16201.7	16885.6	17786.6	18547.6	19057.3	18188.6	17495.8	16476.3	15632.8	15534.1
65°	16284.3	16424.3	17420.4	19051.9	20755.2	21772.8	20107.2	18400.4	16542.8	15370.7	15270.2
67.5°	14871.8	15108.7	16454.8	18994.5	22514.1	24698.4	21333.1	17883.5	15351.0	14055.1	13943.9
70°	11427.5	11772.2	13324.7	16614.5	22210.8	25640.6	20564.9	15656.1	12798.8	11404.2	11248.1
72.5°	6269.3	6411.1	7807.4	11377.3	17806.3	21789.0	17153.0	11576.5	8487.7	6906.4	6644.4
75°	1988.6	2038.9	2749.6	4655.7	10072.5	14432.1	10896.3	5682.4	3128.4	2306.3	2279.4
77.5°	883.0	888.4	994.3	1358.7	3469.4	7312.1	4167.5	1547.1	1066.1	931.5	962.0
80°	558.2	558.2	615.6	673.1	944.1	2123.3	1127.1	735.9	628.2	583.3	595.9
82.5°	267.4	296.1	400.2	430.8	518.7	714.3	577.9	481.0	420.0	312.3	290.8
85°	175.9	147.2	253.1	285.4	301.5	342.8	335.6	317.7	274.6	156.1	174.1
87.5°	79.0	75.4	131.0	120.3	113.1	86.2	129.2	159.7	154.4	77.2	77.2
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)