

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: P316771

Luminaire Tested: **GAN-SA7C-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46997 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

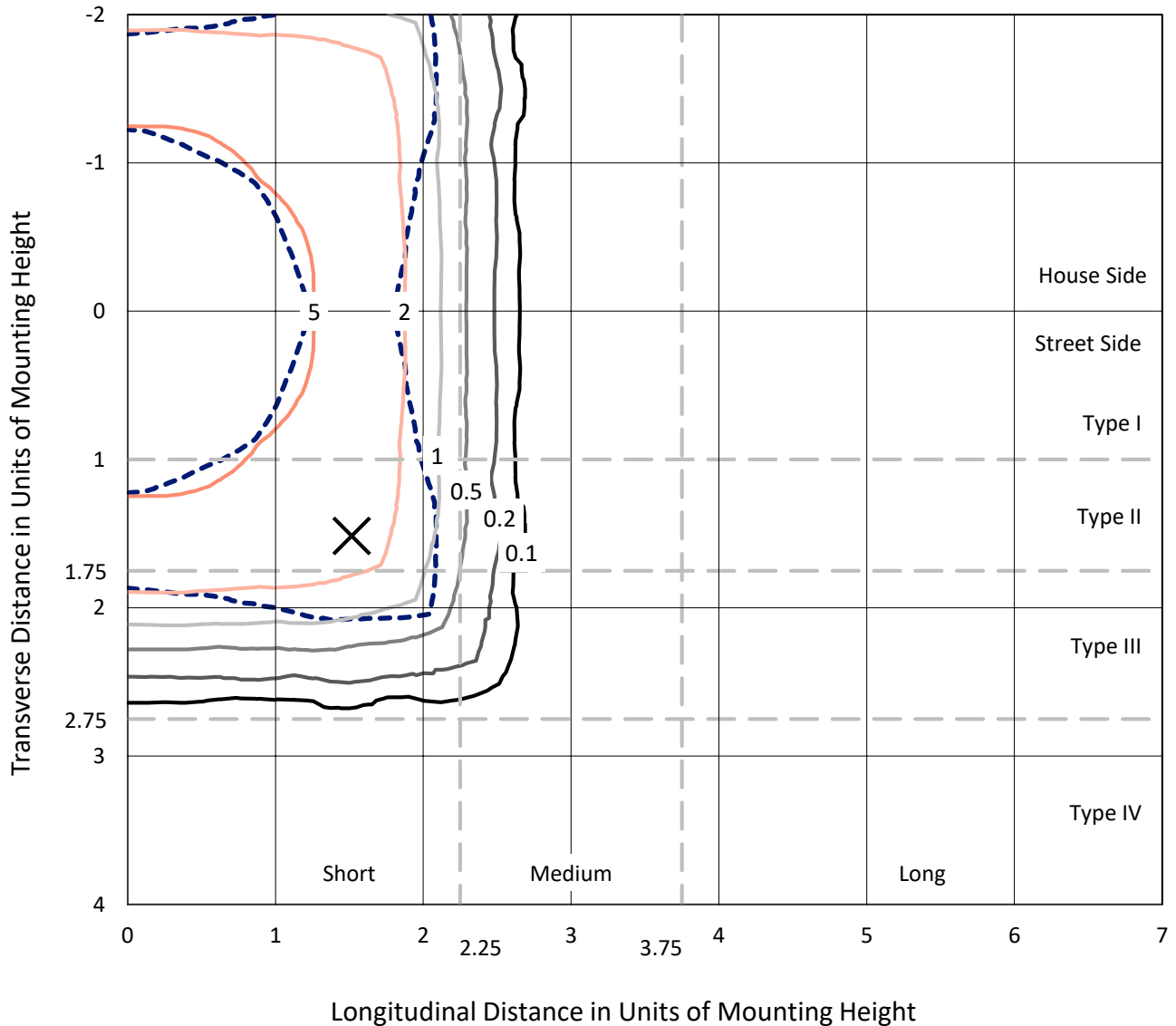
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

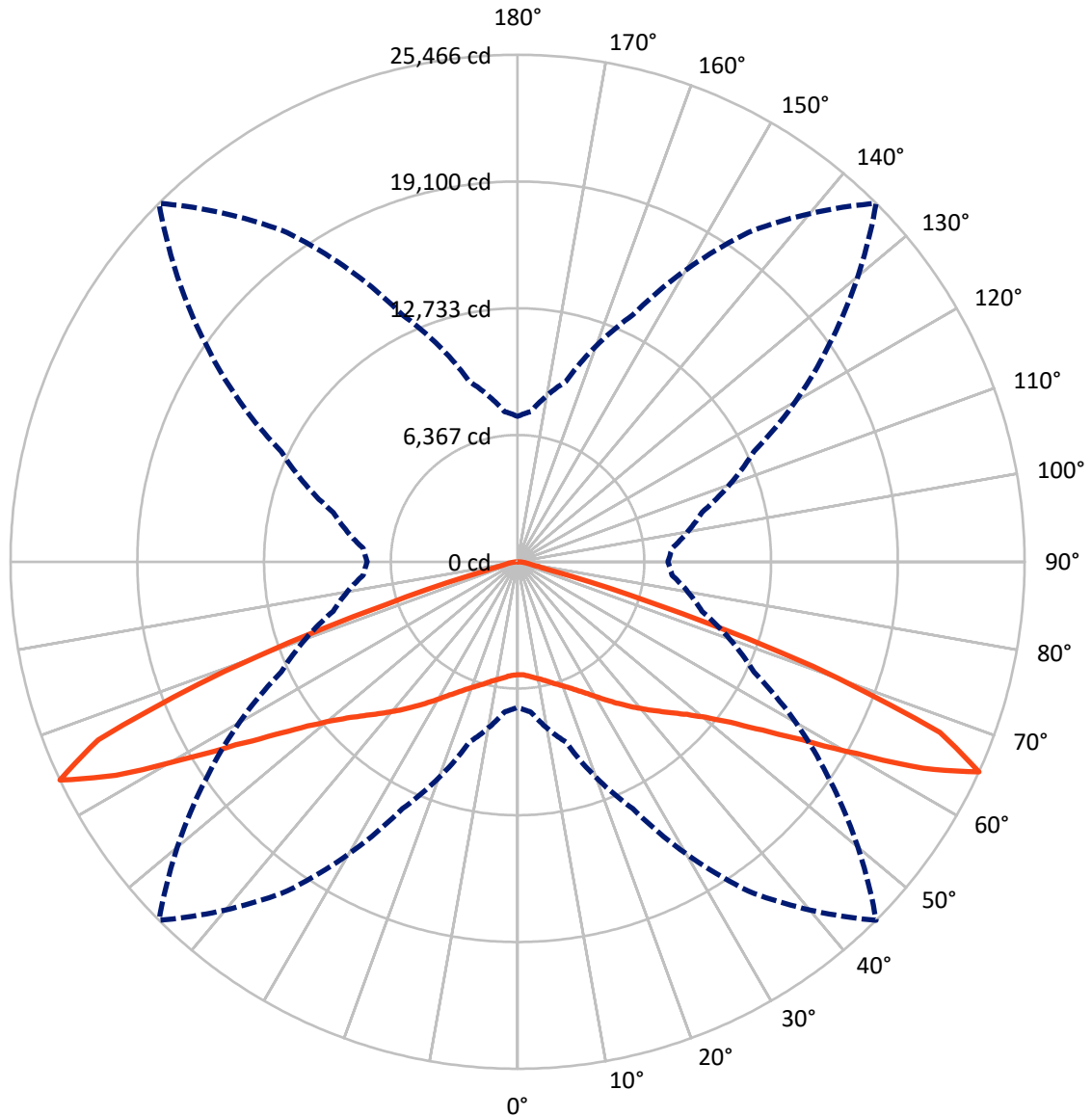
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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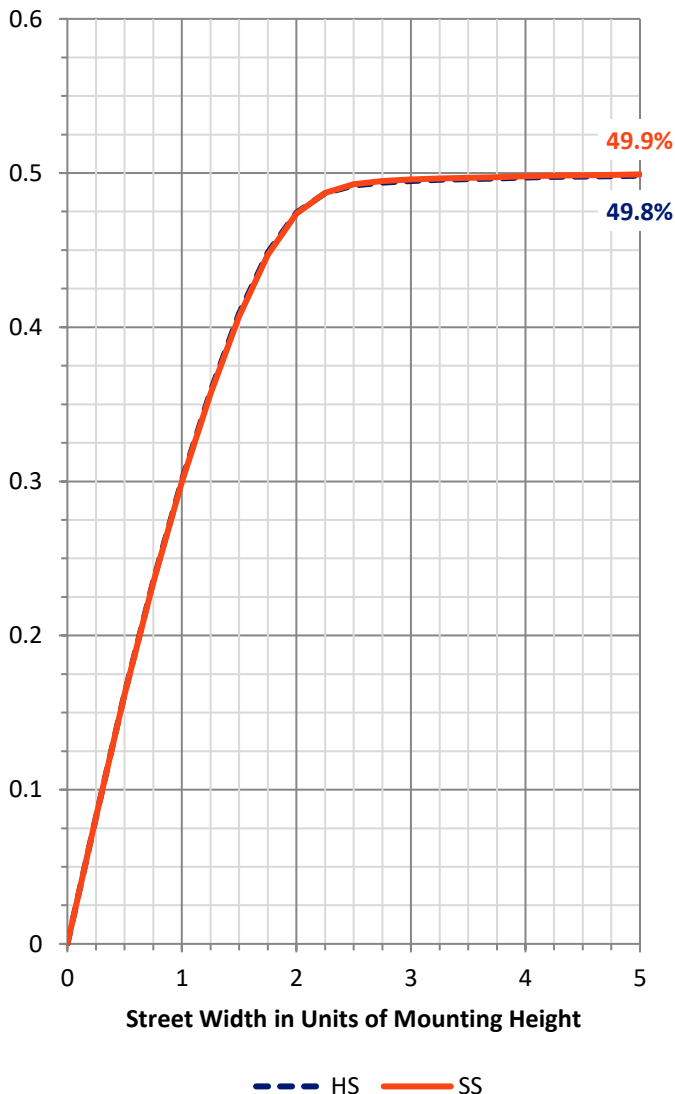
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23498.5	0.0	23498.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23498.5	0.0	23498.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46997.0	0.0	46997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.8	1.2
10°-20°	1789.8	3.8
20°-30°	3358.1	7.1
30°-40°	5553.6	11.8
40°-50°	8601.7	18.3
50°-60°	13192.7	28.1
60°-70°	12310.2	26.2
70°-80°	1432.7	3.0
80°-90°	201.3	0.4
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°	46997.0	100.0
0°-180°	46997.0	100.0

Coefficient of Utilization

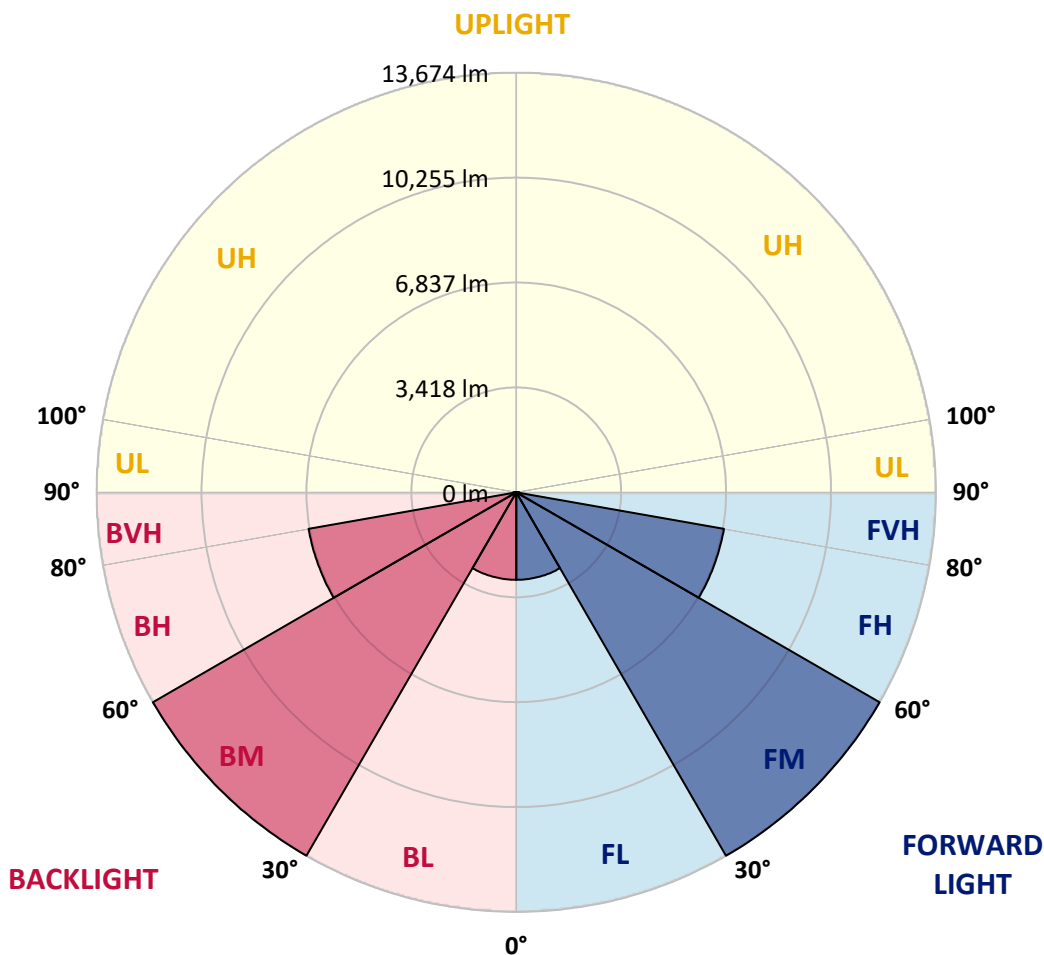


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2852.4	6.1			
FM (30°-60°)	13674.0	29.1			
FH (60°-80°)	6871.5	14.6			G3/7500
FVH (80°-90°)	100.7	0.2			G2/225
BL (0°-30°)	2852.4	6.1	B4/5000		
BM (30°-60°)	13674.0	29.1	B5		
BH (60°-80°)	6871.5	14.6	B5		G3/7500
BVH (80°-90°)	100.7	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5675.5	5675.5	5675.5	5675.5	5675.5	5675.5	5675.5	5675.5	5675.5	5675.5	5675.5
2.5°	5694.2	5691.1	5694.2	5695.8	5686.4	5691.1	5689.5	5697.3	5700.4	5697.3	5697.3
5°	5759.7	5755.0	5761.3	5769.1	5756.6	5759.7	5755.0	5764.4	5767.5	5761.3	5766.0
7.5°	5850.2	5851.8	5858.0	5872.0	5864.2	5870.5	5861.1	5862.7	5861.1	5851.8	5853.3
10°	5948.5	5950.1	5961.0	5979.7	5982.8	5982.8	5976.6	5971.9	5965.7	5959.4	5961.0
12.5°	6067.1	6074.9	6082.7	6106.1	6106.1	6118.5	6115.4	6102.9	6092.0	6082.7	6082.7
15°	6227.7	6226.2	6235.5	6258.9	6269.9	6290.1	6290.1	6273.0	6258.9	6249.6	6246.5
17.5°	6396.2	6400.9	6407.1	6435.2	6452.4	6475.8	6478.9	6464.9	6455.5	6443.0	6435.2
20°	6592.8	6600.6	6625.6	6636.5	6652.1	6673.9	6681.7	6678.6	6669.2	6663.0	6664.6
22.5°	6822.1	6842.4	6858.0	6873.6	6892.3	6907.9	6915.7	6926.6	6917.3	6912.6	6909.5
25°	7099.8	7113.9	7145.1	7173.1	7185.6	7190.3	7199.7	7215.3	7213.7	7202.8	7202.8
27.5°	7414.9	7441.5	7480.5	7521.0	7521.0	7505.4	7536.6	7563.2	7553.8	7539.7	7521.0
30°	7797.2	7822.1	7867.4	7923.5	7895.4	7884.5	7926.6	7975.0	7961.0	7937.6	7934.4
32.5°	8209.0	8232.4	8291.7	8352.5	8316.7	8301.1	8346.3	8416.5	8391.5	8344.7	8316.7
35°	8655.2	8678.6	8762.8	8836.2	8775.3	8748.8	8786.2	8862.7	8819.0	8731.6	8709.8
37.5°	9140.4	9152.8	9262.1	9336.9	9294.8	9224.6	9271.4	9327.6	9290.1	9184.0	9141.9
40°	9644.3	9689.5	9815.9	9903.2	9829.9	9719.1	9797.2	9875.2	9819.0	9683.3	9611.5
42.5°	10232.4	10266.7	10435.2	10513.2	10394.7	10238.6	10344.7	10450.8	10394.7	10263.6	10201.2
45°	10843.9	10897.0	11098.2	11176.2	11004.6	10806.5	10936.0	11121.6	11117.0	10928.2	10862.7
47.5°	11510.1	11563.1	11803.4	11906.3	11720.7	11455.5	11638.0	11900.1	11881.4	11673.9	11620.9
50°	12279.2	12335.4	12634.9	12764.4	12591.2	12282.3	12556.9	12787.8	12753.5	12497.6	12502.3
52.5°	13244.9	13241.8	13614.6	13839.3	13661.4	13388.4	13641.1	13865.8	13723.8	13369.7	13358.8
55°	14090.4	14141.9	14603.7	15029.6	15018.7	14914.1	15015.5	15024.9	14619.3	14148.1	14090.4
57.5°	14645.8	14744.1	15394.6	16165.3	16742.5	16881.4	16684.8	16088.9	15138.8	14385.3	14293.2
60°	14304.2	14453.9	15475.8	17046.7	18747.2	19563.1	18453.9	16605.2	14734.7	13684.8	13560.0
62.5°	11998.4	12251.1	13747.2	16620.8	20472.6	22857.9	19736.3	15776.8	13127.9	11681.7	11468.0
65°	7307.3	7574.1	9377.5	13680.1	20193.4	25466.4	19151.2	13095.1	9581.9	7783.1	7552.2
67.5°	2435.2	2513.2	3575.6	7561.6	15870.4	22881.3	15897.0	7839.3	4170.0	2764.4	2683.3
70°	953.2	961.0	1134.2	2191.9	7494.5	15716.0	8269.9	2230.9	1185.6	937.6	957.9
72.5°	700.5	703.6	751.9	915.8	1953.2	6923.5	2023.4	920.4	731.7	656.8	656.8
75°	563.2	563.2	597.5	667.7	875.2	1588.1	887.7	659.9	572.5	524.2	517.9
77.5°	444.6	454.0	480.5	525.7	592.8	764.4	614.7	522.6	461.8	416.5	407.2
80°	330.7	340.1	383.8	405.6	425.9	530.4	454.0	408.7	365.1	312.0	302.7
82.5°	216.8	226.2	280.8	293.3	288.6	346.3	305.8	301.1	268.3	201.2	191.9
85°	142.0	145.1	187.2	195.0	179.4	157.6	195.0	205.9	187.2	131.0	126.4
87.5°	67.1	67.1	95.2	88.9	81.1	65.5	88.9	104.5	106.1	64.0	62.4
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)