

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: P317091

Luminaire Tested: **GAN-SA7C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317091
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-SA7C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46571 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

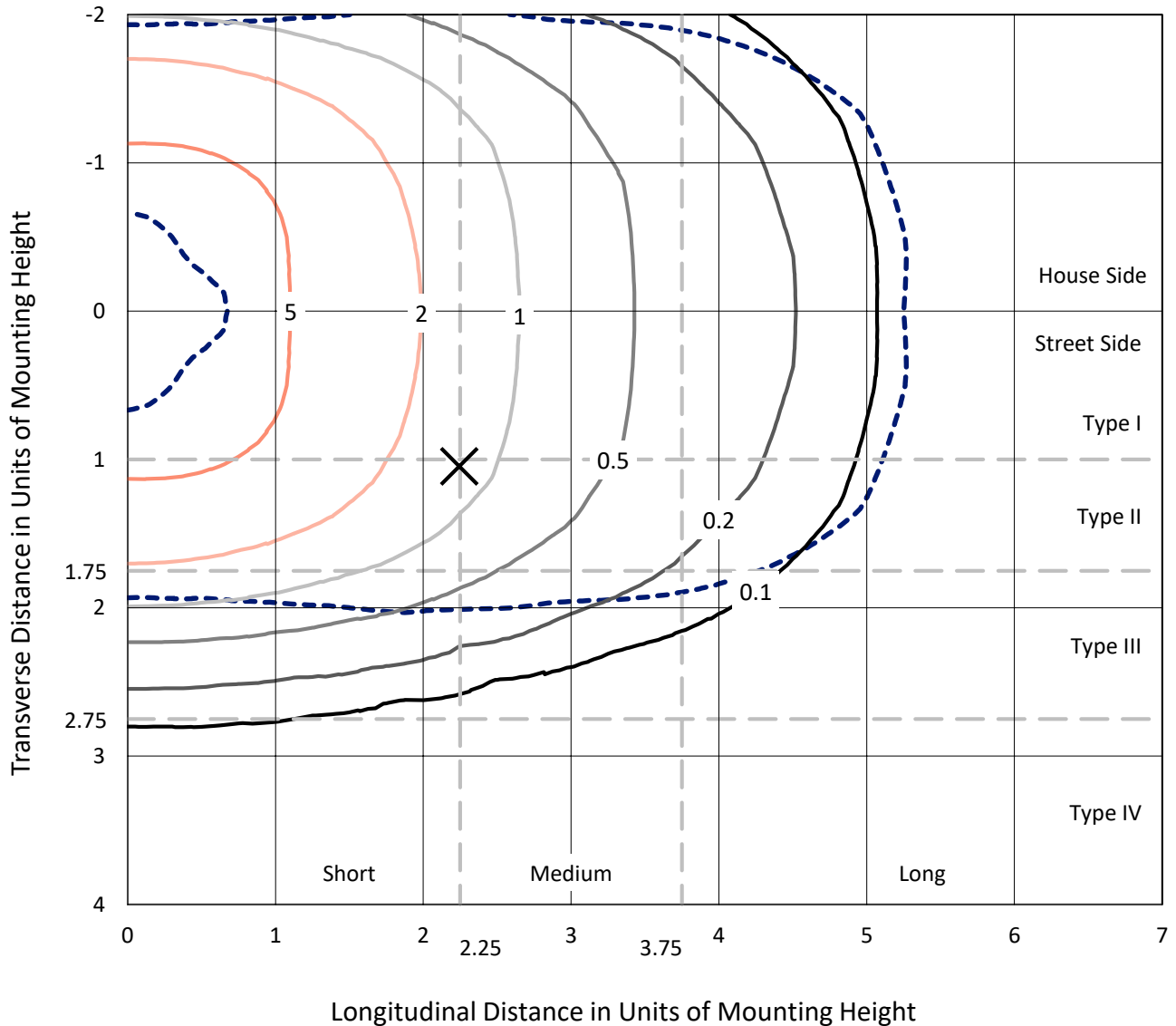
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

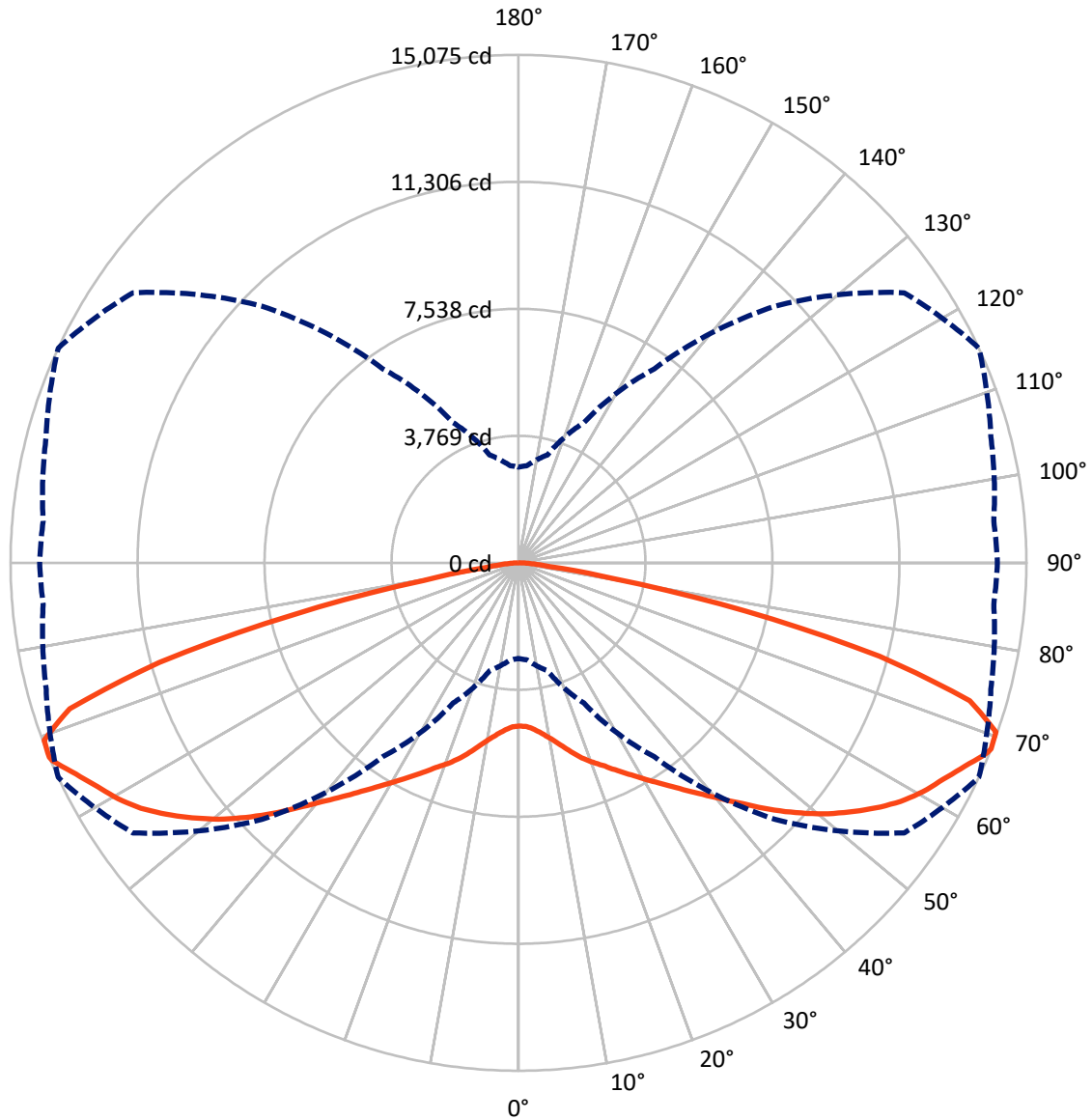
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	23285.5	0.0	23285.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23285.5	0.0	23285.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46571.0	0.0	46571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.1	1.0
10°-20°	1587.5	3.4
20°-30°	3095.2	6.6
30°-40°	5199.6	11.2
40°-50°	8192.7	17.6
50°-60°	10956.4	23.5
60°-70°	10651.0	22.9
70°-80°	5822.4	12.5
80°-90°	592.1	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°	46571.0	100.0
0°-180°	46571.0	100.0

Coefficient of Utilization

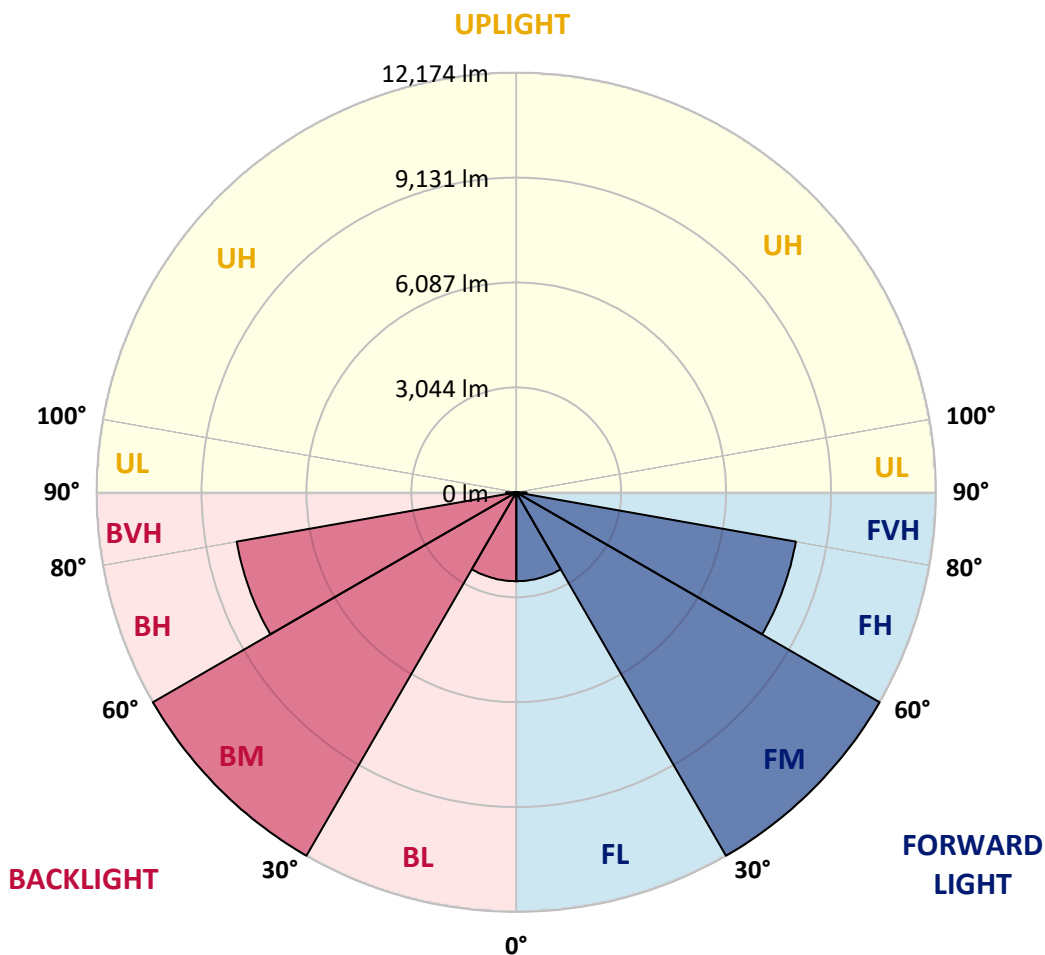


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2578.3	5.5			
FM (30°-60°)	12174.4	26.1			
FH (60°-80°)	8236.7	17.7			G4/12000
FVH (80°-90°)	296.1	0.6			G3/500
BL (0°-30°)	2578.3	5.5	B4/5000		
BM (30°-60°)	12174.4	26.1	B5		
BH (60°-80°)	8236.7	17.7	B5		G5
BVH (80°-90°)	296.1	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°	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3	4842.3
2.5°	4807.9	4809.5	4817.3	4826.7	4834.5	4854.8	4859.5	4867.3	4870.4	4878.2	4878.2
5°	4765.8	4768.9	4787.6	4812.6	4840.7	4890.7	4926.6	4967.2	4987.5	5009.4	5007.8
7.5°	4761.1	4768.9	4795.4	4836.0	4882.9	4965.6	5040.6	5121.8	5176.5	5226.4	5223.3
10°	4809.5	4822.0	4859.5	4920.4	4990.6	5093.7	5204.6	5313.9	5409.1	5485.6	5488.8
12.5°	4882.9	4898.5	4957.8	5050.0	5156.2	5288.9	5420.1	5543.4	5674.6	5788.6	5797.9
15°	4979.7	5000.0	5089.0	5226.4	5388.8	5546.5	5687.1	5813.6	5965.0	6122.7	6138.4
17.5°	5123.4	5151.5	5268.6	5454.4	5668.3	5841.7	5988.4	6083.7	6210.2	6372.6	6402.3
20°	5342.0	5377.9	5526.2	5748.0	6008.7	6189.9	6302.3	6322.6	6385.1	6530.3	6564.6
22.5°	5626.2	5657.4	5822.9	6086.8	6378.8	6575.6	6634.9	6553.7	6547.5	6664.6	6697.4
25°	5943.2	5971.3	6163.3	6460.0	6773.9	6990.9	6989.4	6831.7	6722.4	6812.9	6847.3
27.5°	6299.2	6342.9	6527.2	6839.5	7175.2	7389.1	7376.6	7133.0	6925.4	6948.8	6978.5
30°	6708.3	6756.7	6936.3	7253.3	7589.0	7798.3	7782.6	7461.0	7148.7	7086.2	7108.1
32.5°	7215.8	7273.6	7443.8	7756.1	8052.8	8241.7	8196.4	7817.0	7417.2	7281.4	7301.7
35°	7826.4	7860.7	8040.3	8347.9	8588.4	8718.0	8622.7	8229.2	7757.7	7593.7	7593.7
37.5°	8444.7	8471.3	8672.7	8971.0	9203.6	9272.3	9086.5	8680.5	8202.7	7970.0	7974.7
40°	9038.1	9109.9	9336.4	9642.4	9872.0	9890.7	9644.0	9195.8	8697.7	8457.2	8485.3
42.5°	9658.0	9728.3	9998.4	10345.1	10548.1	10579.3	10290.4	9773.6	9256.7	9061.5	9092.8
45°	10210.8	10267.0	10579.3	10982.2	11235.2	11316.4	10974.4	10435.7	9861.0	9670.5	9678.3
47.5°	10596.5	10669.9	11013.4	11488.1	11856.7	11981.6	11645.9	11080.6	10456.0	10224.9	10245.2
50°	10946.3	10985.3	11333.5	11852.0	12320.4	12578.1	12290.8	11717.7	11057.2	10812.0	10833.9
52.5°	11141.5	11191.4	11528.7	12069.0	12623.4	13038.7	12863.8	12290.8	11638.0	11399.1	11425.7
55°	11005.6	11043.1	11447.5	12117.4	12810.7	13322.9	13349.5	12851.3	12208.0	11998.8	12073.7
57.5°	10387.3	10434.1	10927.6	11805.1	12834.2	13515.0	13714.9	13371.3	12740.5	12570.3	12614.0
60°	9420.7	9450.3	9976.6	10963.5	12378.2	13594.6	13947.5	13796.1	13262.0	13091.8	13151.2
62.5°	7698.3	7742.0	8371.3	9693.9	11414.7	13358.8	14172.4	14147.4	13747.7	13591.5	13644.6
65°	5262.3	5338.9	6035.3	7707.7	9929.7	12637.4	14377.0	14556.5	14177.1	13980.3	14050.6
67.5°	3177.7	3233.9	3738.3	5089.0	7598.4	11182.1	14166.2	15021.9	14480.0	14163.0	14220.8
68°	2840.4	2891.9	3313.6	4592.4	7028.4	10771.4	13974.1	15075.0	14512.8	14159.9	14211.4
70°	1716.1	1750.5	2033.1	2838.9	4686.1	8544.7	12664.0	15031.2	14722.1	14203.6	14233.3
72.5°	1118.1	1129.0	1175.8	1456.9	2393.8	4778.3	9505.0	14006.9	15035.9	14458.2	14453.5
75°	929.1	922.9	927.5	960.3	1180.5	2095.6	5554.3	11065.0	14333.2	14056.8	13958.5
77.5°	785.4	780.8	779.2	780.8	790.1	1011.9	2411.0	6892.6	10968.1	12434.4	12521.9
80°	635.5	629.3	649.6	640.2	612.1	629.3	1010.3	2867.0	5170.2	5562.2	5212.4
82.5°	462.2	438.8	526.2	501.2	477.8	443.5	557.5	926.0	1233.6	846.3	594.9
85°	356.0	331.0	399.8	384.1	327.9	226.4	331.0	452.8	499.7	285.8	224.9
87.5°	145.2	153.0	288.9	228.0	192.1	109.3	135.9	181.1	243.6	121.8	93.7
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)