

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: P316332

Luminaire Tested: **GAN-SA8C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47447 lumens
Efficiency: N/A
Efficacy: 106.6 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

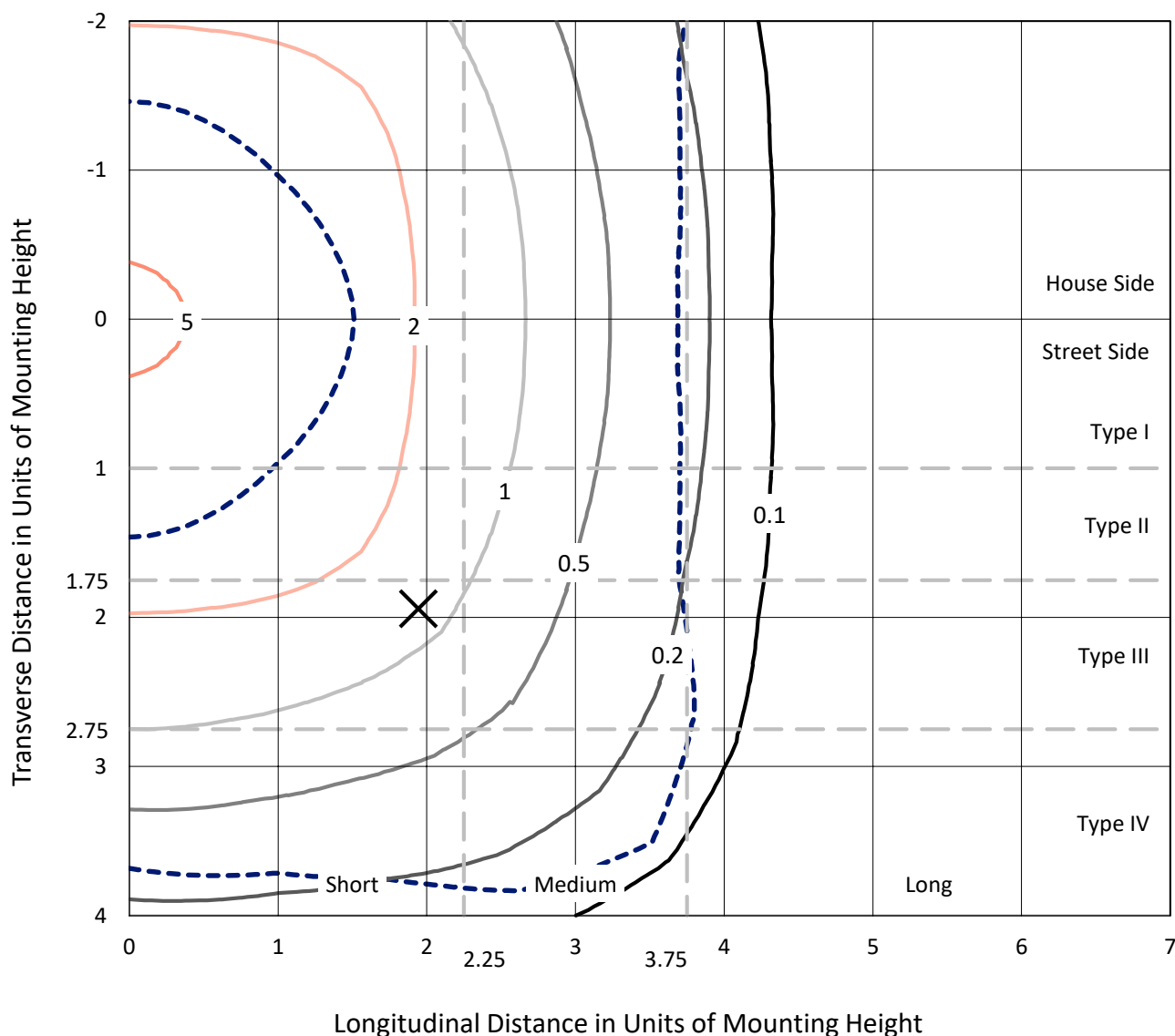


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

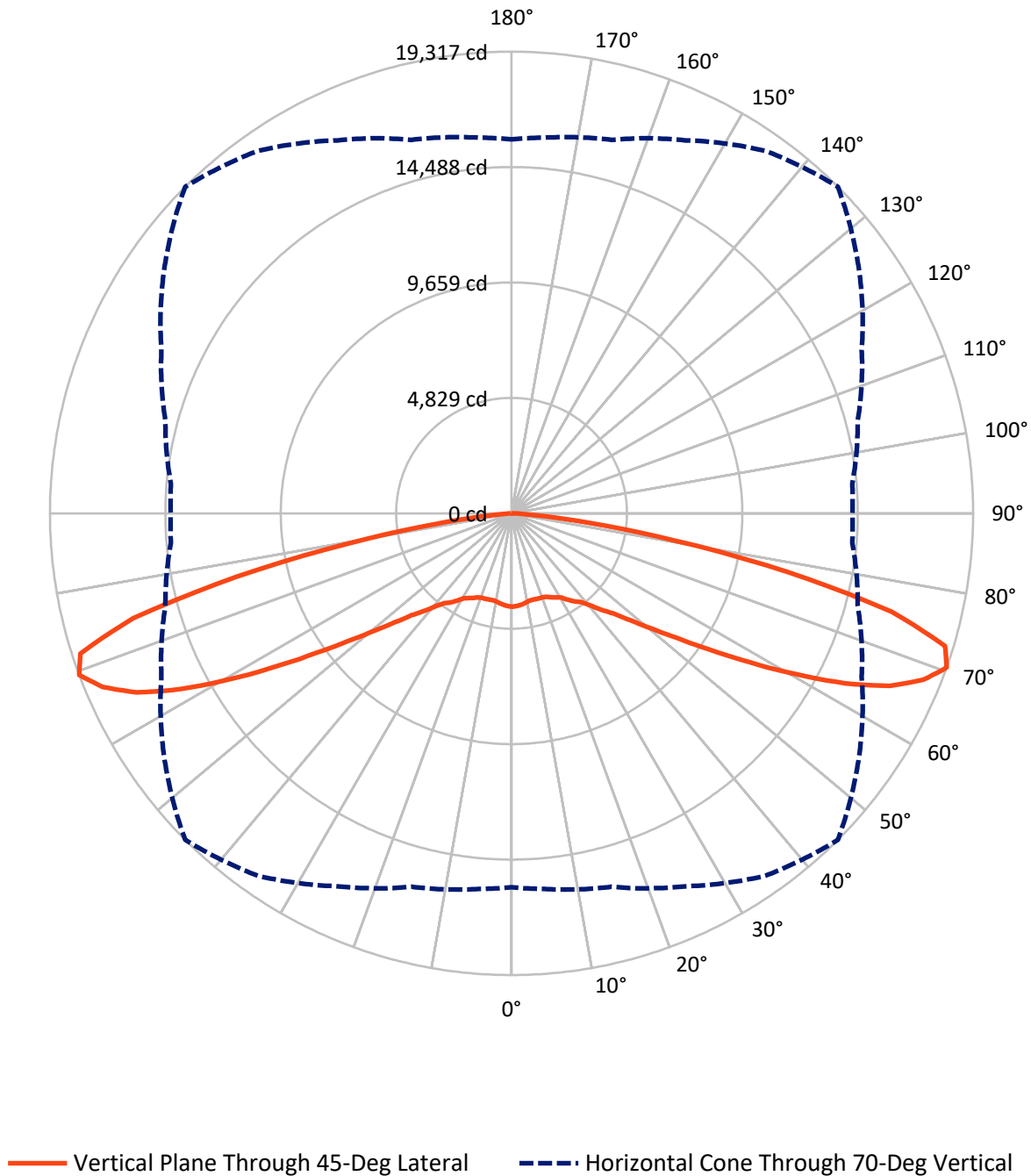
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23723.5	0.0	23723.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23723.5	0.0	23723.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47447.0	0.0	47447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	0.8
10°-20°	1064.6	2.2
20°-30°	1815.1	3.8
30°-40°	2836.1	6.0
40°-50°	4806.6	10.1
50°-60°	8765.2	18.5
60°-70°	15089.9	31.8
70°-80°	11828.0	24.9
80°-90°	877.0	1.8
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°	47447.0	100.0
0°-180°	47447.0	100.0

Coefficient of Utilization



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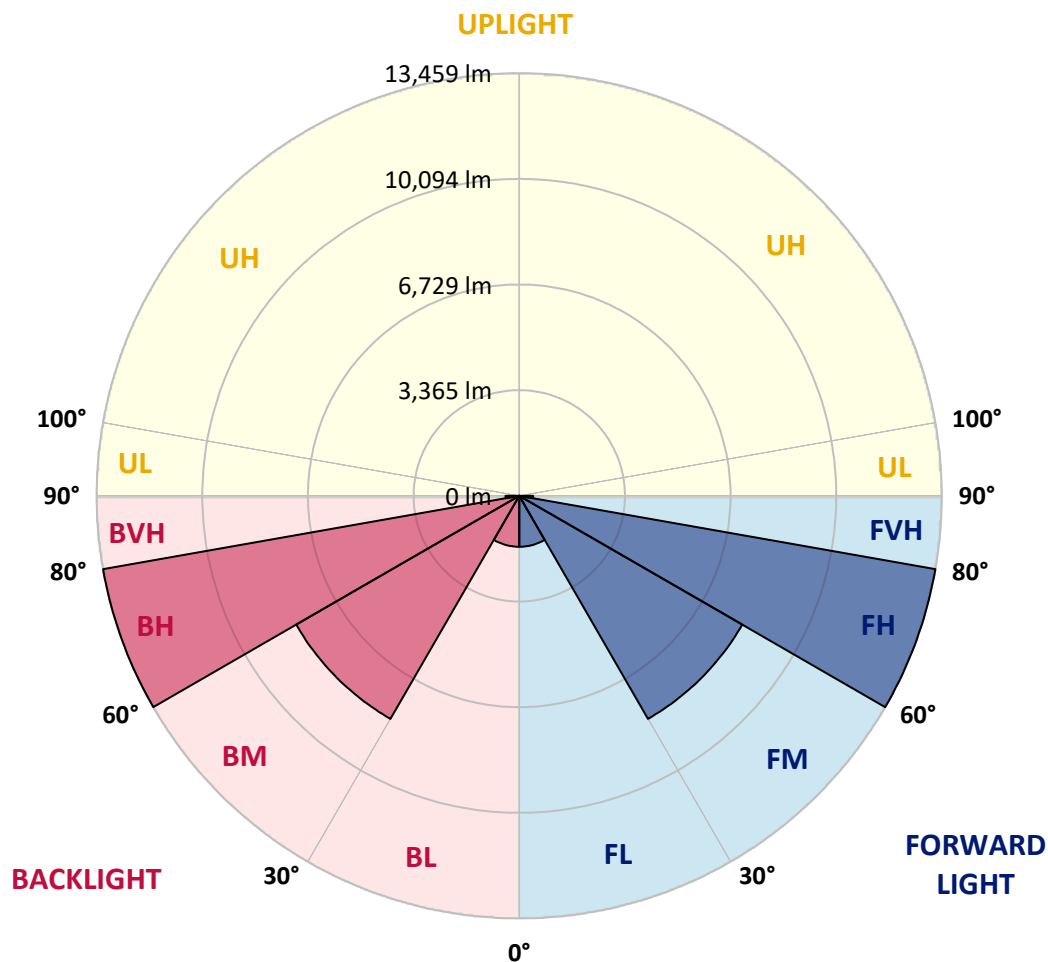
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1622.1	3.4			
FM	(30°-60°)	8204.0	17.3			
FH	(60°-80°)	13458.9	28.4			G5
FVH	(80°-90°)	438.5	0.9			G3/500
BL	(0°-30°)	1622.1	3.4	B3/2500		
BM	(30°-60°)	8204.0	17.3	B4/8500		
BH	(60°-80°)	13458.9	28.4	B5		G5
BVH	(80°-90°)	438.5	0.9			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°	3904.9	3904.9	3904.9	3904.9	3904.9	3904.9	3904.9	3904.9	3904.9	3904.9	3904.9
2.5°	3887.6	3892.3	3887.6	3890.8	3882.9	3886.1	3886.1	3886.1	3884.5	3886.1	3882.9
5°	3853.1	3856.2	3850.0	3853.1	3848.4	3853.1	3854.7	3853.1	3850.0	3851.5	3845.3
7.5°	3801.3	3804.4	3799.7	3804.4	3798.2	3806.0	3804.4	3799.7	3795.0	3795.0	3788.8
10°	3773.1	3774.6	3762.1	3757.4	3743.2	3746.4	3751.1	3755.8	3760.5	3769.9	3768.3
12.5°	3774.6	3774.6	3755.8	3735.4	3715.0	3719.7	3727.5	3744.8	3763.6	3780.9	3782.5
15°	3790.3	3788.8	3760.5	3727.5	3713.4	3727.5	3732.3	3743.2	3773.1	3802.9	3804.4
17.5°	3801.3	3801.3	3757.4	3719.7	3718.1	3740.1	3738.5	3743.2	3776.2	3820.1	3821.7
20°	3821.7	3821.7	3765.2	3724.4	3724.4	3747.9	3749.5	3757.4	3790.3	3839.0	3846.8
22.5°	3867.2	3868.8	3809.2	3776.2	3779.3	3793.5	3798.2	3810.7	3840.5	3893.9	3903.3
25°	3931.6	3934.7	3873.5	3854.7	3865.7	3892.3	3889.2	3898.6	3931.6	3983.4	3992.8
27.5°	4021.0	4013.2	3956.7	3948.8	3959.8	3978.7	3977.1	3978.7	4005.3	4052.4	4063.4
30°	4137.2	4134.0	4093.2	4097.9	4093.2	4087.0	4088.5	4101.1	4115.2	4152.9	4163.9
32.5°	4250.2	4253.3	4228.2	4251.8	4286.3	4309.8	4273.7	4239.2	4223.5	4243.9	4253.3
35°	4454.2	4462.1	4422.8	4407.1	4454.2	4523.3	4421.3	4364.8	4396.1	4422.8	4430.7
37.5°	4801.1	4805.8	4739.9	4677.1	4642.6	4708.5	4606.5	4611.2	4721.0	4771.3	4769.7
40°	5196.6	5198.2	5154.2	5099.3	5039.6	5055.3	5014.5	5027.1	5099.3	5144.8	5157.3
42.5°	5667.4	5662.7	5593.7	5515.2	5497.9	5513.6	5444.6	5435.1	5518.3	5599.9	5601.5
45°	6278.0	6267.0	6177.5	6091.2	6008.0	5973.5	5956.2	6001.7	6116.3	6191.6	6193.2
47.5°	6935.6	6905.8	6858.7	6789.6	6717.4	6682.9	6654.6	6676.6	6759.8	6789.6	6792.8
50°	7612.0	7618.3	7627.7	7601.0	7574.4	7563.4	7489.6	7447.2	7472.3	7417.4	7409.6
52.5°	8414.0	8426.6	8517.6	8594.5	8640.1	8663.6	8523.9	8377.9	8296.3	8189.6	8158.2
55°	9360.4	9380.9	9514.3	9727.7	9947.4	10063.6	9810.9	9537.8	9285.1	9085.8	9021.4
57.5°	10415.1	10451.2	10634.9	11044.5	11495.0	11769.6	11342.7	10846.8	10358.6	10071.4	10021.2
60°	11651.9	11686.4	11940.7	12527.7	13257.5	13670.3	13023.6	12212.2	11604.8	11330.2	11237.6
62.5°	13124.1	13127.2	13439.6	14125.4	15089.1	15663.5	14787.7	13703.2	13077.0	12745.8	12656.4
65°	14707.7	14715.6	15038.9	15779.7	16776.3	17401.0	16412.2	15282.1	14516.2	14028.1	13959.1
67.5°	15826.8	15859.7	16200.3	17091.8	18024.0	18587.5	17564.2	16286.6	15401.4	14819.1	14761.1
70°	15647.8	15776.5	16176.7	17217.3	18513.7	19317.3	17750.9	16167.3	14999.6	14312.2	14263.5
72.5°	13646.7	13893.1	14426.8	15792.2	17865.5	18972.0	16732.3	14480.1	13158.6	12573.2	12485.3
75°	9293.0	9693.2	10498.3	12468.0	15263.3	16426.3	14086.2	11545.2	10302.1	9492.3	9432.6
77.5°	4143.5	4234.5	5254.7	7522.6	10532.9	11796.3	10234.7	7552.4	5669.0	4521.7	4280.0
80°	1155.1	1169.3	1560.1	2801.5	5271.9	6930.9	5659.6	2942.8	1654.2	1166.1	1098.6
82.5°	367.3	398.7	486.5	726.7	1772.0	3162.5	1819.0	784.7	558.7	445.7	401.8
85°	178.9	177.4	246.4	295.1	452.0	700.0	481.8	364.1	318.6	211.9	191.5
87.5°	75.3	76.9	114.6	103.6	131.8	113.0	155.4	163.2	171.1	94.2	81.6
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)