

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: P317089

Luminaire Tested: **GAN-SA5C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317089
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-SA5C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 32910 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

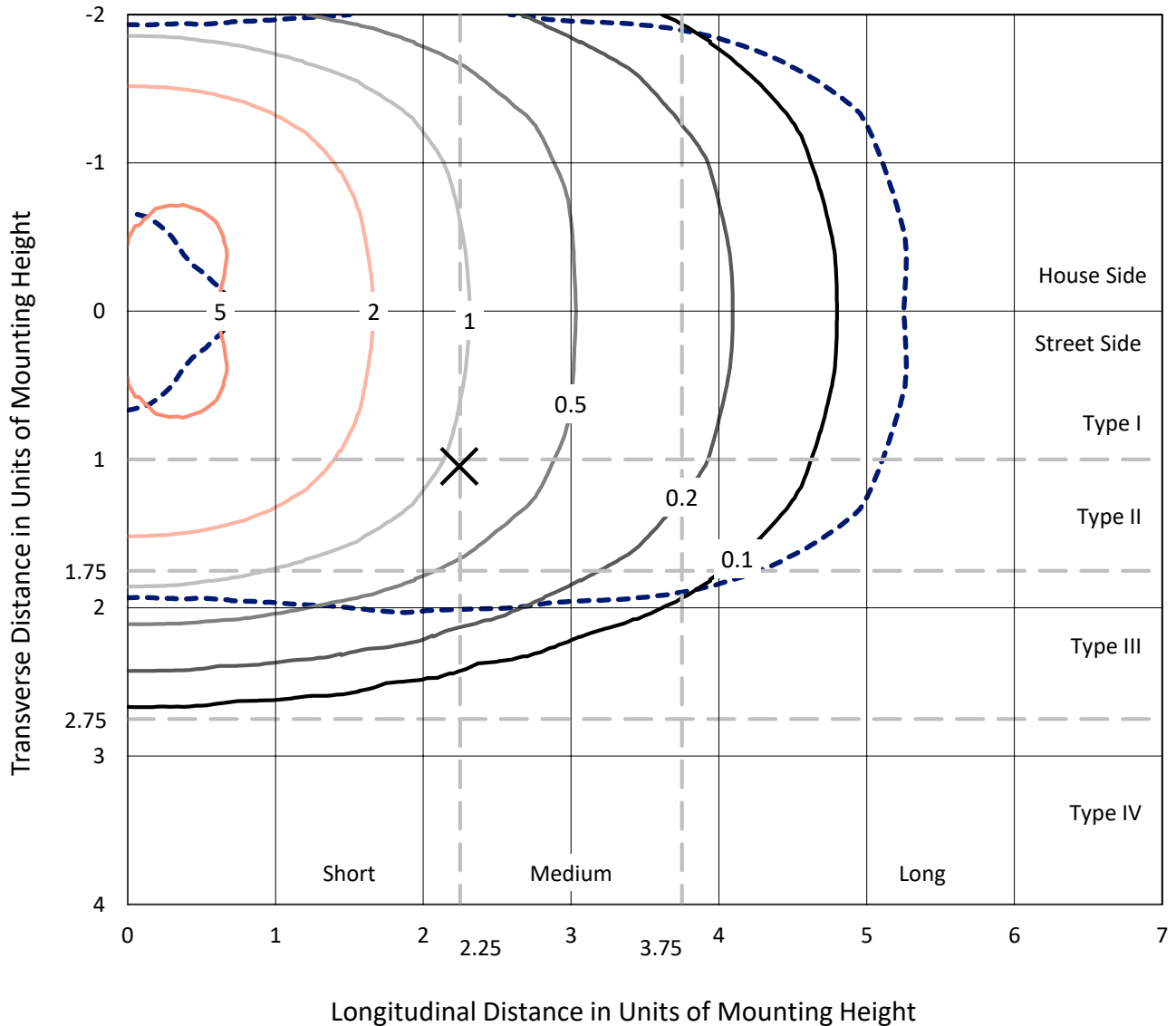
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

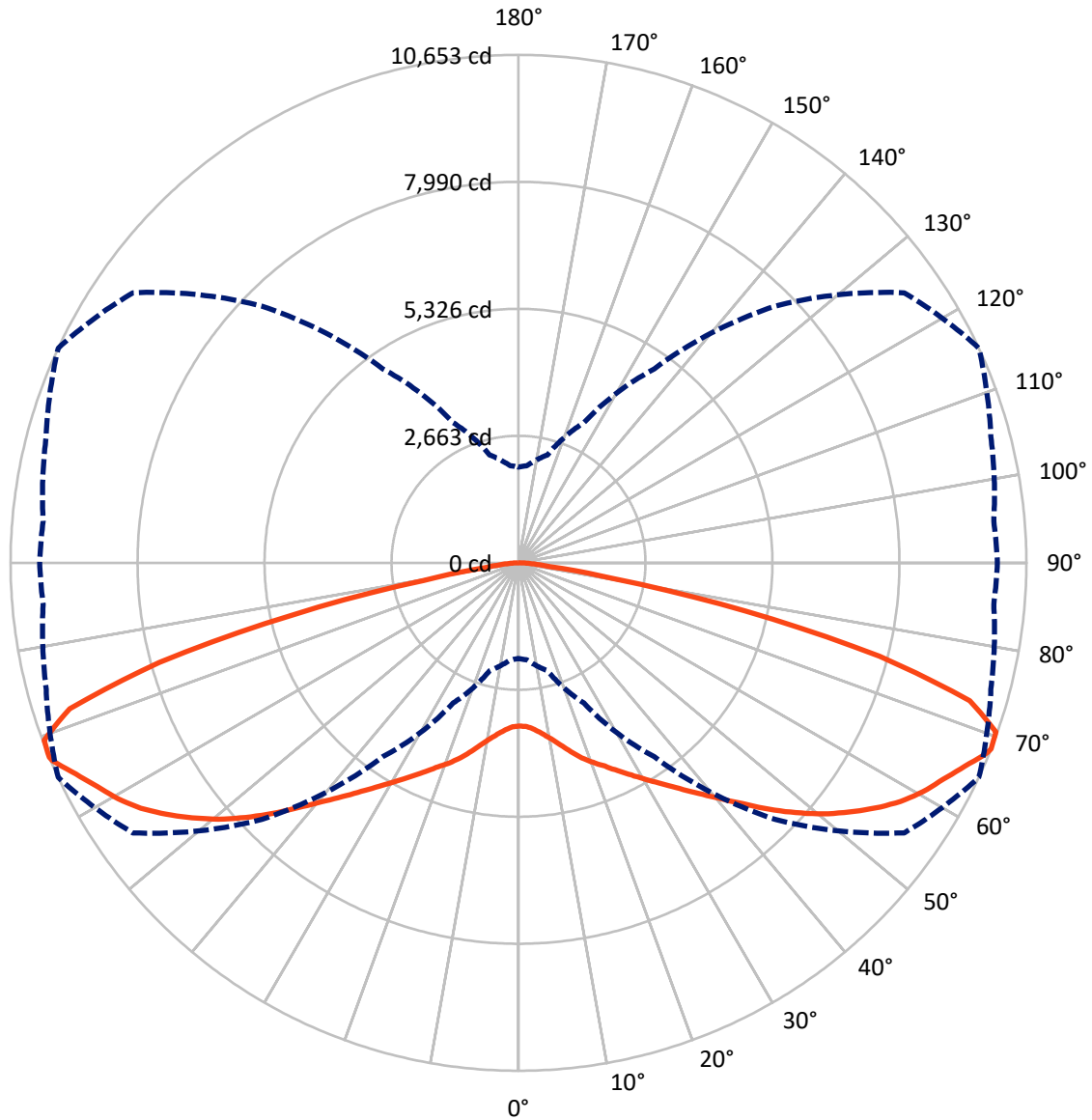
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type 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	16455.0	0.0	16455.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16455.0	0.0	16455.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32910.0	0.0	32910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.0	1.0
10°-20°	1121.8	3.4
20°-30°	2187.2	6.6
30°-40°	3674.4	11.2
40°-50°	5789.5	17.6
50°-60°	7742.5	23.5
60°-70°	7526.7	22.9
70°-80°	4114.4	12.5
80°-90°	418.4	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°	32910.0	100.0
0°-180°	32910.0	100.0

Coefficient of Utilization

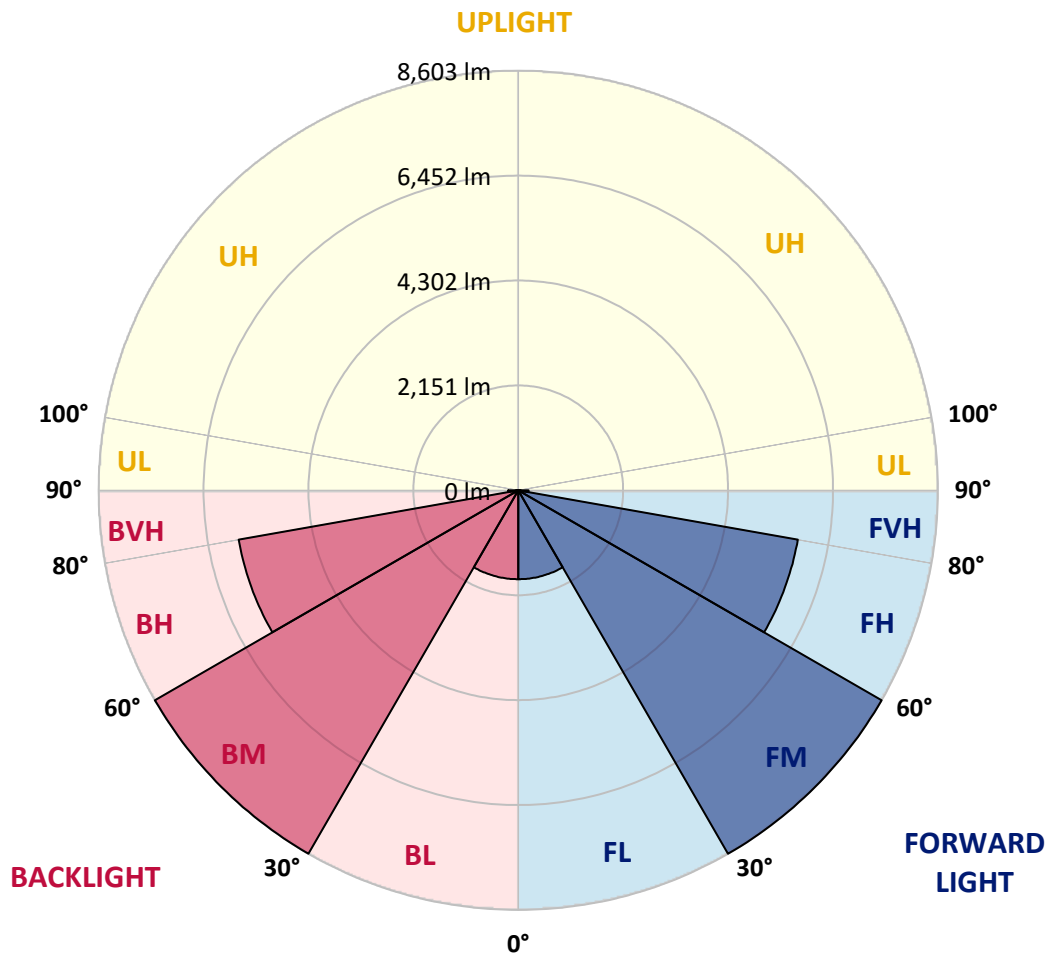


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1822.0	5.5			
FM (30°-60°)	8603.2	26.1			
FH (60°-80°)	5820.6	17.7			G3/7500
FVH (80°-90°)	209.2	0.6			G2/225
BL (0°-30°)	1822.0	5.5	B3/2500		
BM (30°-60°)	8603.2	26.1	B5		
BH (60°-80°)	5820.6	17.7	B5		G5
BVH (80°-90°)	209.2	0.6			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3421.9	3421.9	3421.9	3421.9	3421.9	3421.9	3421.9	3421.9	3421.9	3421.9	3421.9
2.5°	3397.6	3398.7	3404.2	3410.8	3416.3	3430.7	3434.0	3439.5	3441.7	3447.2	3447.2
5°	3367.8	3370.0	3383.2	3400.9	3420.8	3456.1	3481.5	3510.1	3524.5	3539.9	3538.8
7.5°	3364.5	3370.0	3388.8	3417.5	3450.6	3509.0	3562.0	3619.4	3658.0	3693.3	3691.1
10°	3398.7	3407.5	3434.0	3477.0	3526.7	3599.5	3677.9	3755.1	3822.4	3876.5	3878.7
12.5°	3450.6	3461.6	3503.5	3568.6	3643.7	3737.5	3830.2	3917.3	4010.0	4090.6	4097.2
15°	3519.0	3533.3	3596.2	3693.3	3808.1	3919.5	4018.8	4108.2	4215.3	4326.7	4337.7
17.5°	3620.5	3640.4	3723.1	3854.4	4005.6	4128.1	4231.8	4299.1	4388.5	4503.3	4524.2
20°	3775.0	3800.4	3905.2	4061.9	4246.2	4374.2	4453.6	4468.0	4512.1	4614.7	4639.0
22.5°	3975.8	3997.9	4114.8	4301.3	4507.7	4646.7	4688.7	4631.3	4626.9	4709.6	4732.8
25°	4199.8	4219.7	4355.4	4565.1	4786.9	4940.2	4939.1	4827.7	4750.4	4814.4	4838.7
27.5°	4451.4	4482.3	4612.5	4833.2	5070.5	5221.6	5212.8	5040.7	4893.9	4910.4	4931.4
30°	4740.5	4774.7	4901.6	5125.6	5362.9	5510.7	5499.7	5272.4	5051.7	5007.6	5023.0
32.5°	5099.1	5140.0	5260.2	5480.9	5690.6	5824.1	5792.1	5524.0	5241.5	5145.5	5159.8
35°	5530.6	5554.9	5681.8	5899.2	6069.1	6160.7	6093.4	5815.3	5482.0	5366.2	5366.2
37.5°	5967.6	5986.3	6128.7	6339.4	6503.9	6552.4	6421.1	6134.2	5796.5	5632.1	5635.4
40°	6386.9	6437.7	6597.7	6813.9	6976.1	6989.4	6815.0	6498.3	6146.3	5976.4	5996.3
42.5°	6825.0	6874.6	7065.5	7310.5	7454.0	7476.0	7271.9	6906.6	6541.4	6403.4	6425.5
45°	7215.6	7255.3	7476.0	7760.7	7939.5	7996.9	7755.2	7374.5	6968.4	6833.8	6839.3
47.5°	7488.2	7540.0	7782.8	8118.2	8378.7	8466.9	8229.7	7830.2	7388.8	7225.5	7239.9
50°	7735.3	7762.9	8009.0	8375.3	8706.4	8888.5	8685.4	8280.5	7813.7	7640.4	7655.9
52.5°	7873.3	7908.6	8146.9	8528.7	8920.5	9214.0	9090.4	8685.4	8224.2	8055.3	8074.1
55°	7777.3	7803.8	8089.6	8562.9	9052.9	9414.8	9433.6	9081.6	8626.9	8479.1	8532.0
57.5°	7340.3	7373.4	7722.1	8342.2	9069.4	9550.5	9691.8	9449.0	9003.2	8882.9	8913.8
60°	6657.2	6678.2	7050.1	7747.5	8747.2	9606.8	9856.2	9749.2	9371.8	9251.5	9293.4
62.5°	5440.1	5471.0	5915.7	6850.4	8066.4	9440.2	10015.1	9997.5	9715.0	9604.6	9642.1
65°	3718.7	3772.8	4264.9	5446.7	7017.0	8930.4	10159.7	10286.6	10018.4	9879.4	9929.0
67.5°	2245.6	2285.3	2641.7	3596.2	5369.5	7902.0	10010.7	10615.4	10232.5	10008.5	10049.3
68°	2007.2	2043.6	2341.6	3245.3	4966.7	7611.7	9875.0	10652.9	10255.7	10006.3	10042.7
70°	1212.7	1237.0	1436.7	2006.1	3311.5	6038.2	8949.2	10622.0	10403.5	10037.2	10058.1
72.5°	790.1	797.8	830.9	1029.5	1691.6	3376.6	6716.8	9898.1	10625.3	10217.0	10213.7
75°	656.6	652.2	655.5	678.6	834.2	1480.9	3925.0	7819.2	10128.8	9933.5	9863.9
77.5°	555.0	551.7	550.6	551.7	558.4	715.0	1703.8	4870.7	7750.8	8786.9	8848.7
80°	449.1	444.7	459.0	452.4	432.6	444.7	713.9	2026.0	3653.6	3930.6	3683.4
82.5°	326.6	310.1	371.9	354.2	337.7	313.4	393.9	654.4	871.7	598.1	420.4
85°	251.6	233.9	282.5	271.5	231.7	160.0	233.9	320.0	353.1	201.9	158.9
87.5°	102.6	108.1	204.1	161.1	135.7	77.2	96.0	128.0	172.1	86.1	66.2
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)