

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: P317099

Luminaire Tested: **GAN-SA5D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317099
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-SA5D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36100 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

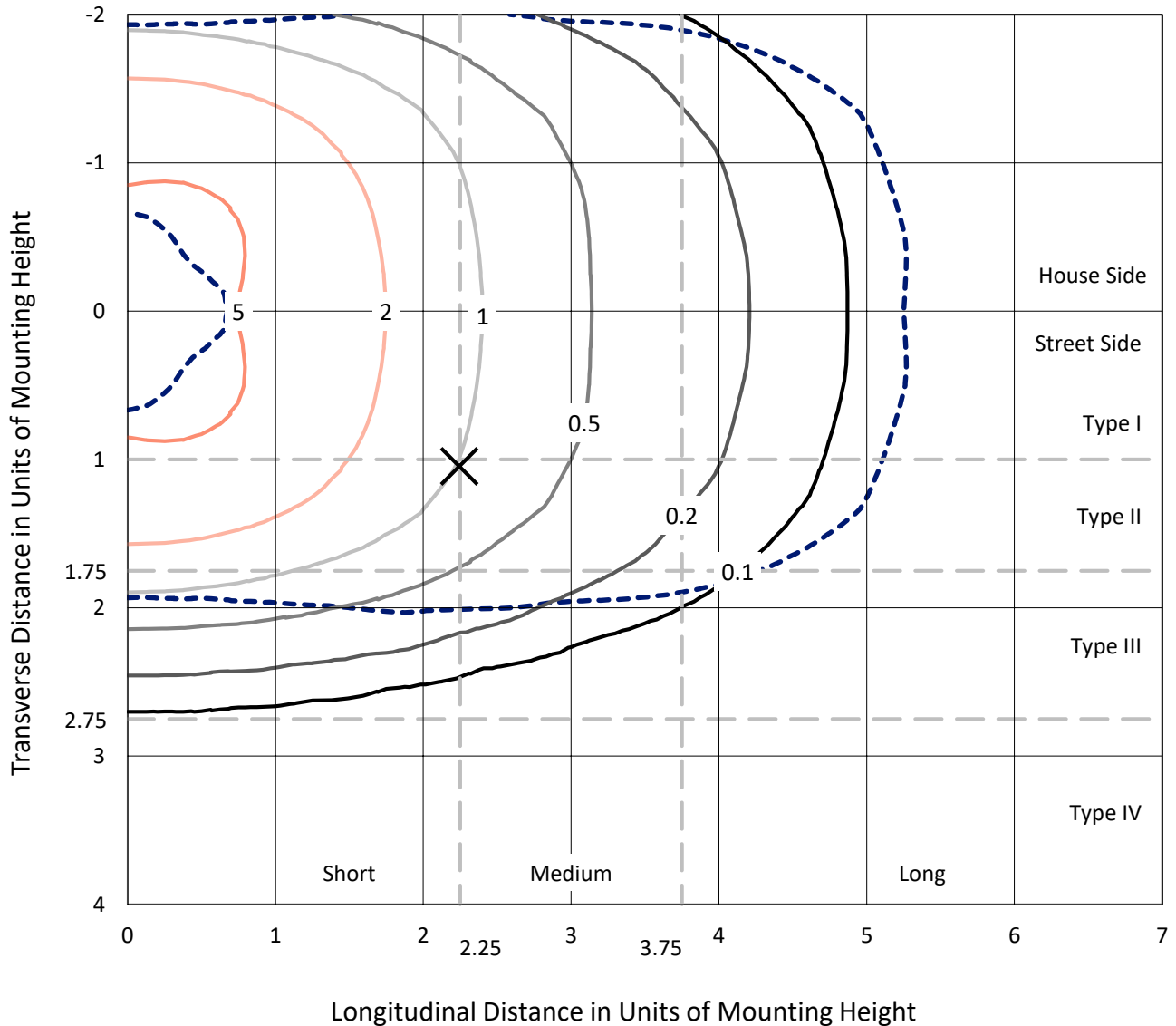
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

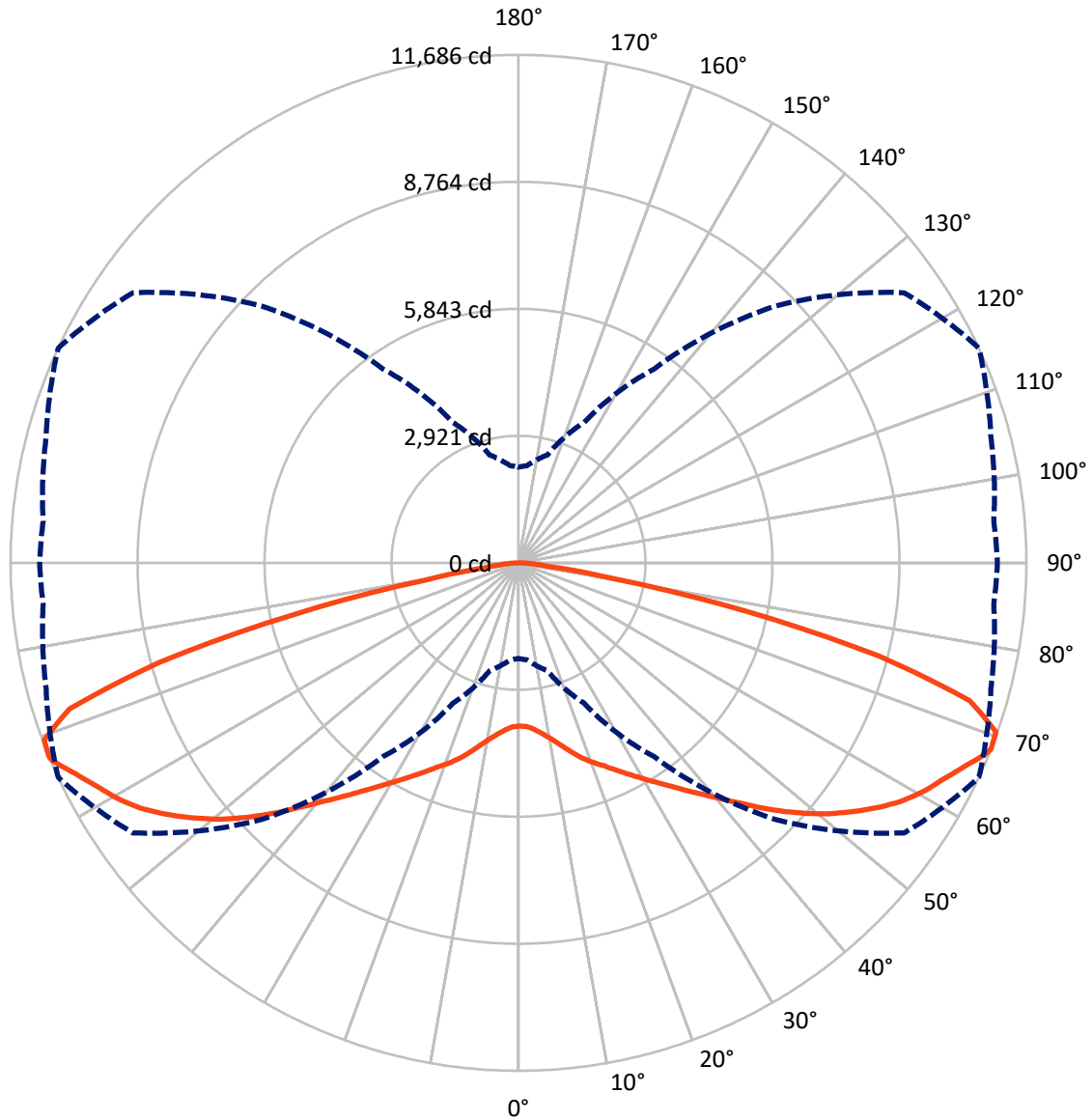
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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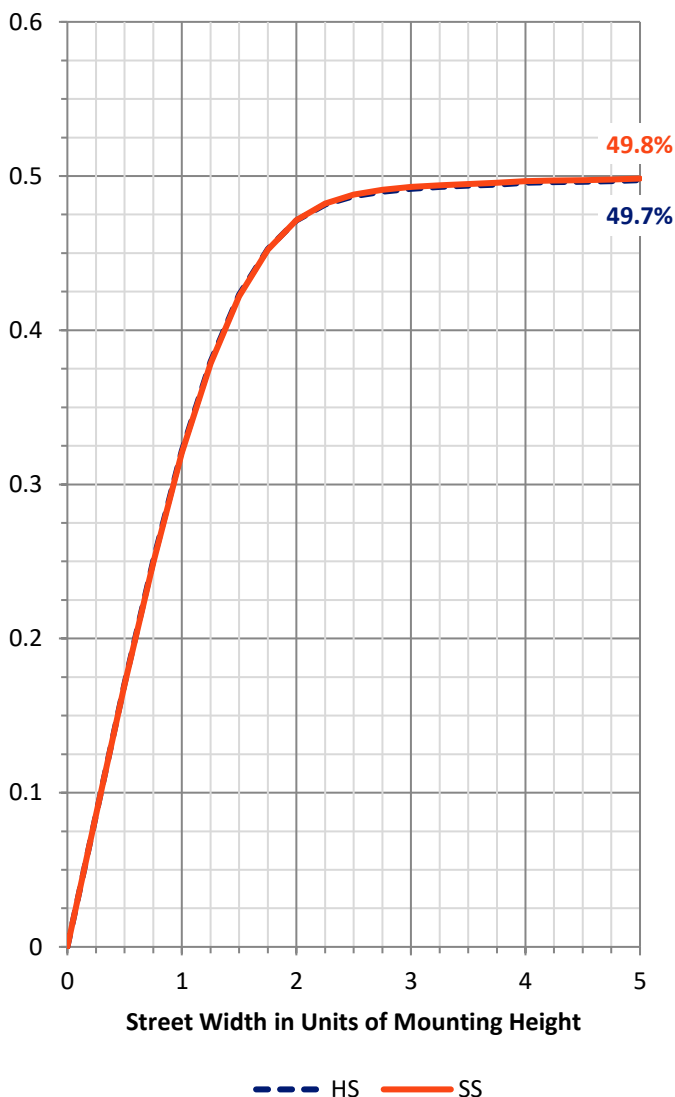
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18050.0	0.0	18050.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18050.0	0.0	18050.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36100.0	0.0	36100.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.5	1.0
10°-20°	1230.5	3.4
20°-30°	2399.2	6.6
30°-40°	4030.5	11.2
40°-50°	6350.7	17.6
50°-60°	8493.0	23.5
60°-70°	8256.2	22.9
70°-80°	4513.3	12.5
80°-90°	459.0	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°	36100.0	100.0
0°-180°	36100.0	100.0

Coefficient of Utilization

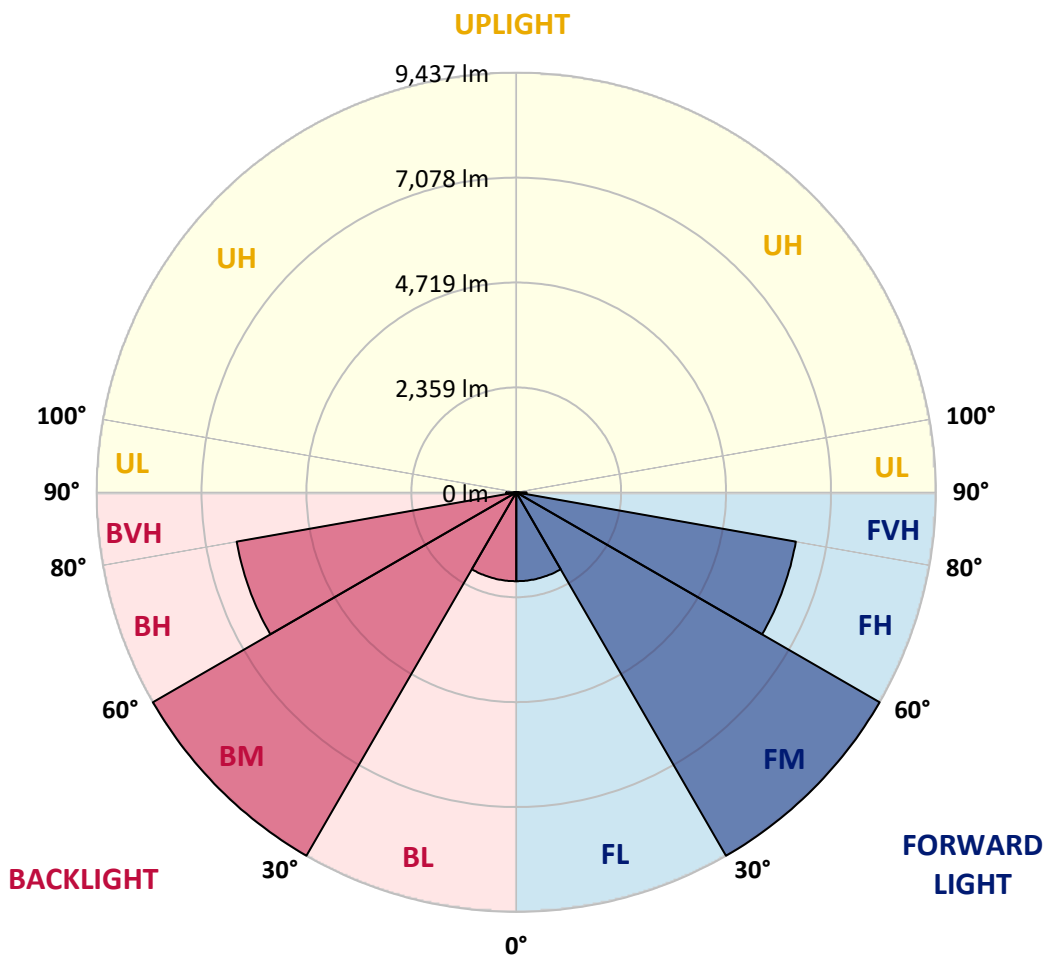


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1998.6	5.5			
FM (30°-60°)	9437.1	26.1			
FH (60°-80°)	6384.8	17.7			G3/7500
FVH (80°-90°)	229.5	0.6			G3/500
BL (0°-30°)	1998.6	5.5	B3/2500		
BM (30°-60°)	9437.1	26.1	B5		
BH (60°-80°)	6384.8	17.7	B5		G5
BVH (80°-90°)	229.5	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°	3753.6	3753.6	3753.6	3753.6	3753.6	3753.6	3753.6	3753.6	3753.6	3753.6	3753.6
2.5°	3726.9	3728.1	3734.2	3741.4	3747.5	3763.2	3766.9	3772.9	3775.3	3781.4	3781.4
5°	3694.2	3696.7	3711.2	3730.6	3752.3	3791.1	3818.9	3850.4	3866.1	3883.1	3881.9
7.5°	3690.6	3696.7	3717.2	3748.7	3785.0	3849.2	3907.3	3970.2	4012.6	4051.3	4048.9
10°	3728.1	3737.8	3766.9	3814.1	3868.5	3948.4	4034.4	4119.1	4192.9	4252.2	4254.7
12.5°	3785.0	3797.1	3843.1	3914.5	3996.8	4099.7	4201.4	4297.0	4398.7	4487.1	4494.3
15°	3860.1	3875.8	3944.8	4051.3	4177.2	4299.5	4408.4	4506.4	4623.9	4746.1	4758.2
17.5°	3971.4	3993.2	4084.0	4228.0	4393.9	4528.2	4642.0	4715.8	4813.9	4939.8	4962.8
20°	4140.9	4168.7	4283.7	4455.6	4657.7	4798.2	4885.3	4901.0	4949.5	5062.0	5088.7
22.5°	4361.2	4385.4	4513.7	4718.3	4944.6	5097.1	5143.1	5080.2	5075.3	5166.1	5191.5
25°	4606.9	4628.7	4777.6	5007.6	5250.9	5419.1	5417.9	5295.6	5210.9	5281.1	5307.7
27.5°	4882.9	4916.8	5059.6	5301.7	5561.9	5727.8	5718.1	5529.3	5368.3	5386.4	5409.4
30°	5200.0	5237.5	5376.7	5622.5	5882.7	6044.9	6032.8	5783.4	5541.4	5492.9	5509.9
32.5°	5593.4	5638.2	5770.1	6012.2	6242.2	6388.7	6353.6	6059.4	5749.6	5644.2	5660.0
35°	6066.7	6093.3	6232.5	6471.0	6657.4	6757.8	6684.0	6379.0	6013.4	5886.3	5886.3
37.5°	6546.0	6566.6	6722.7	6953.9	7134.3	7187.5	7043.5	6728.8	6358.4	6178.0	6181.7
40°	7006.0	7061.7	7237.2	7474.4	7652.4	7666.9	7475.6	7128.2	6742.1	6555.7	6577.5
42.5°	7486.5	7541.0	7750.4	8019.1	8176.5	8200.7	7976.7	7576.1	7175.4	7024.1	7048.3
45°	7915.0	7958.6	8200.7	8513.0	8709.1	8772.0	8506.9	8089.3	7643.9	7496.2	7502.3
47.5°	8214.0	8270.9	8537.2	8905.2	9190.8	9287.6	9027.4	8589.2	8105.1	7925.9	7941.6
50°	8485.1	8515.4	8785.3	9187.2	9550.3	9750.0	9527.3	9083.1	8571.1	8381.0	8398.0
52.5°	8636.4	8675.2	8936.6	9355.4	9785.1	10107.1	9971.5	9527.3	9021.4	8836.2	8856.7
55°	8531.1	8560.2	8873.7	9393.0	9930.4	10327.4	10348.0	9961.9	9463.2	9301.0	9359.1
57.5°	8051.8	8088.1	8470.6	9150.9	9948.5	10476.3	10631.2	10364.9	9875.9	9744.0	9777.9
60°	7302.5	7325.5	7733.5	8498.4	9595.1	10538.0	10811.6	10694.2	10280.2	10148.3	10194.3
62.5°	5967.4	6001.3	6489.1	7514.4	8848.3	10355.2	10985.9	10966.5	10656.6	10535.6	10576.8
65°	4079.2	4138.5	4678.3	5974.7	7697.1	9796.0	11144.5	11283.6	10989.5	10837.0	10891.5
67.5°	2463.2	2506.8	2897.8	3944.8	5890.0	8667.9	10981.0	11644.4	11224.3	10978.6	11023.4
68°	2201.8	2241.7	2568.5	3559.9	5448.2	8349.6	10832.2	11685.5	11249.8	10976.2	11016.1
70°	1330.3	1356.9	1576.0	2200.6	3632.5	6623.5	9816.6	11651.6	11412.0	11010.1	11033.1
72.5°	866.7	875.1	911.5	1129.3	1855.6	3703.9	7367.9	10857.6	11655.3	11207.4	11203.8
75°	720.2	715.4	719.0	744.4	915.1	1624.4	4305.5	8577.1	11110.6	10896.3	10820.1
77.5°	608.8	605.2	604.0	605.2	612.5	784.4	1868.9	5342.8	8502.1	9638.7	9706.5
80°	492.6	487.8	503.5	496.3	474.5	487.8	783.1	2222.4	4007.7	4311.6	4040.4
82.5°	358.3	340.1	407.9	388.5	370.4	343.8	432.1	717.8	956.2	656.1	461.2
85°	276.0	256.6	309.9	297.8	254.2	175.5	256.6	351.0	387.3	221.5	174.3
87.5°	112.6	118.6	223.9	176.7	148.9	84.7	105.3	140.4	188.8	94.4	72.6
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)