

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: P317129

Luminaire Tested: **GAN-SA5C-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317129
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-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36137 lumens
Efficiency: N/A
Efficacy: 129.5 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

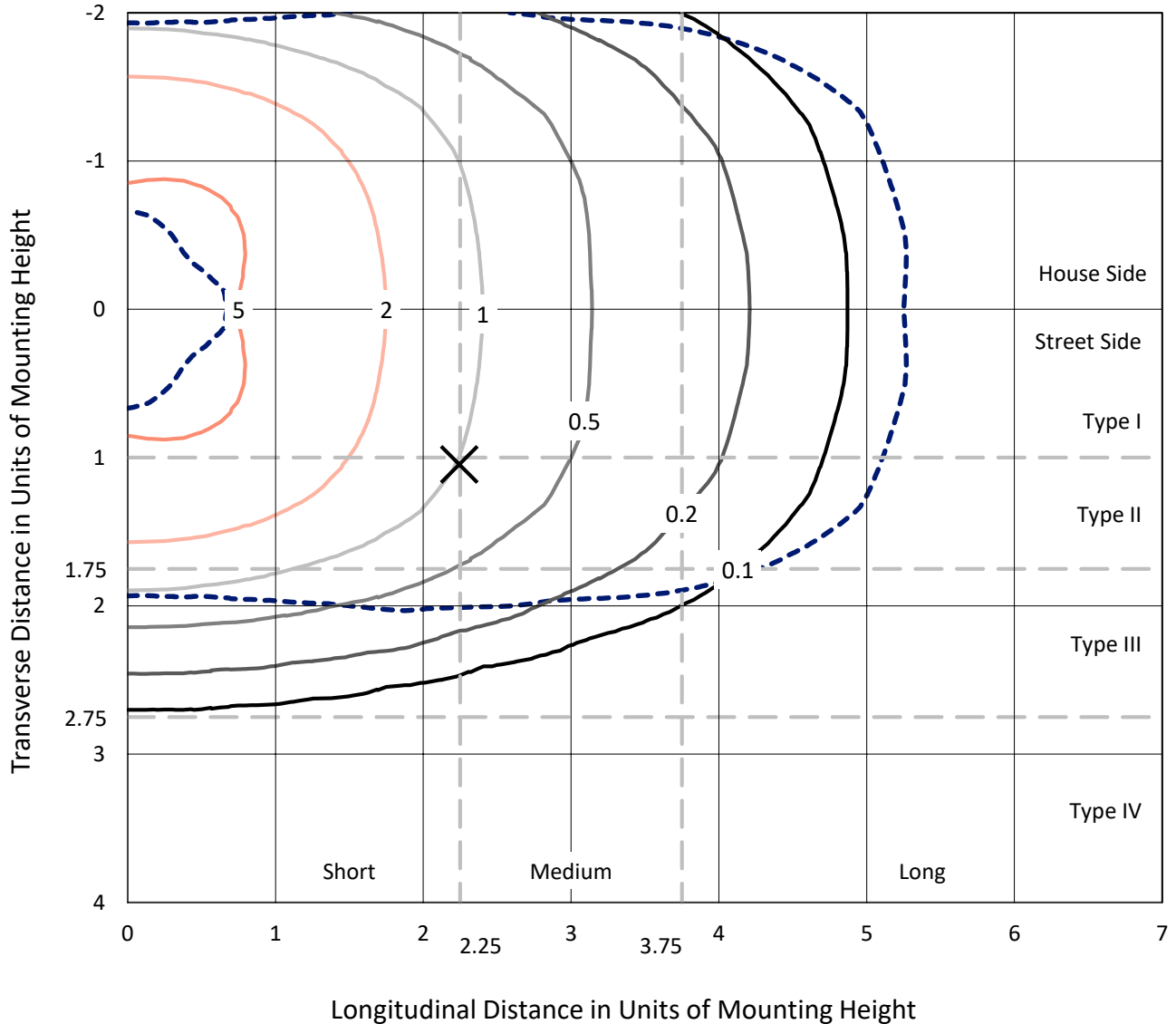




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Iso-Footcandle Lines of Horizontal Illumination

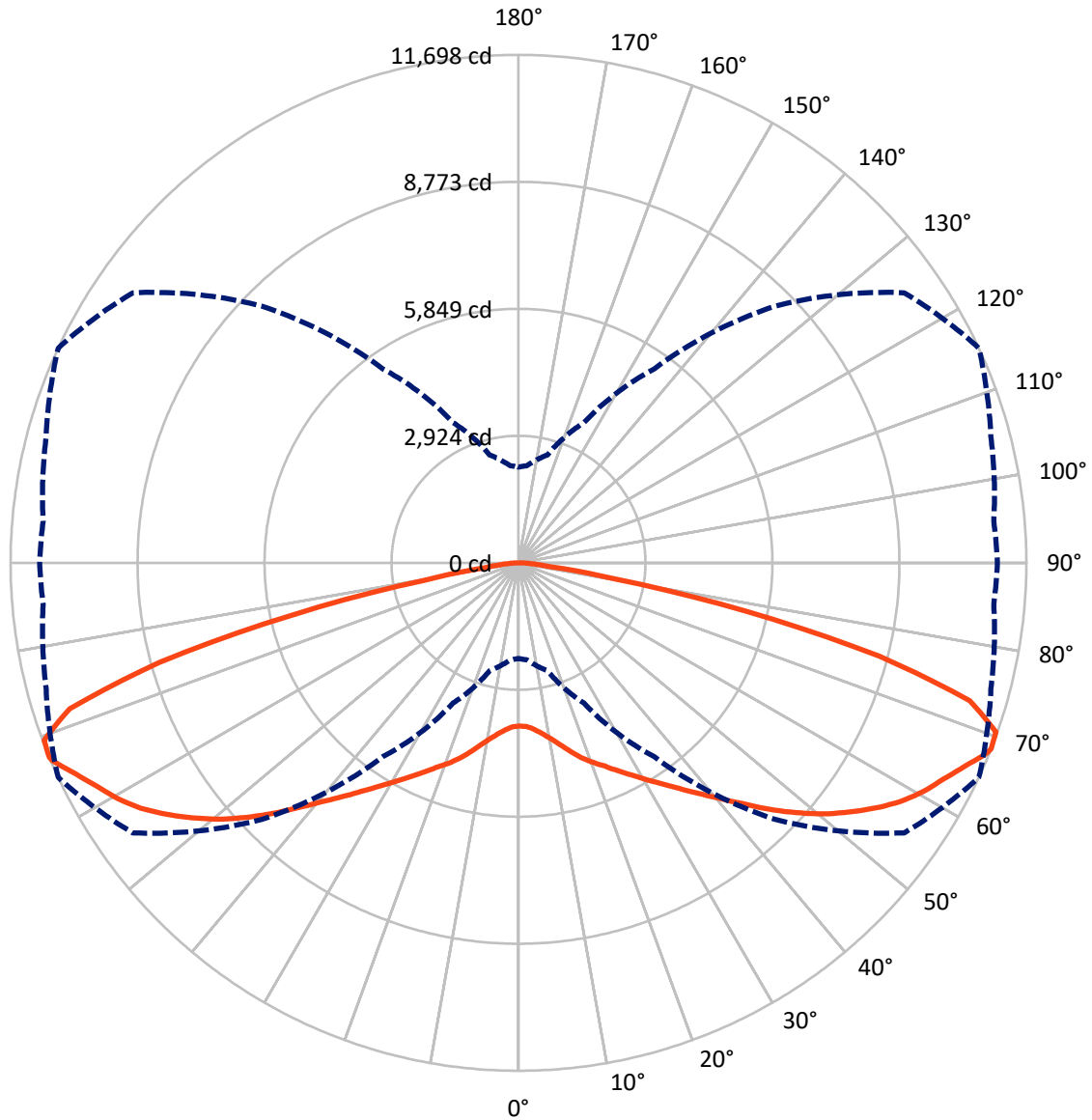
× Max cd
 - - - 1/2 Max cd



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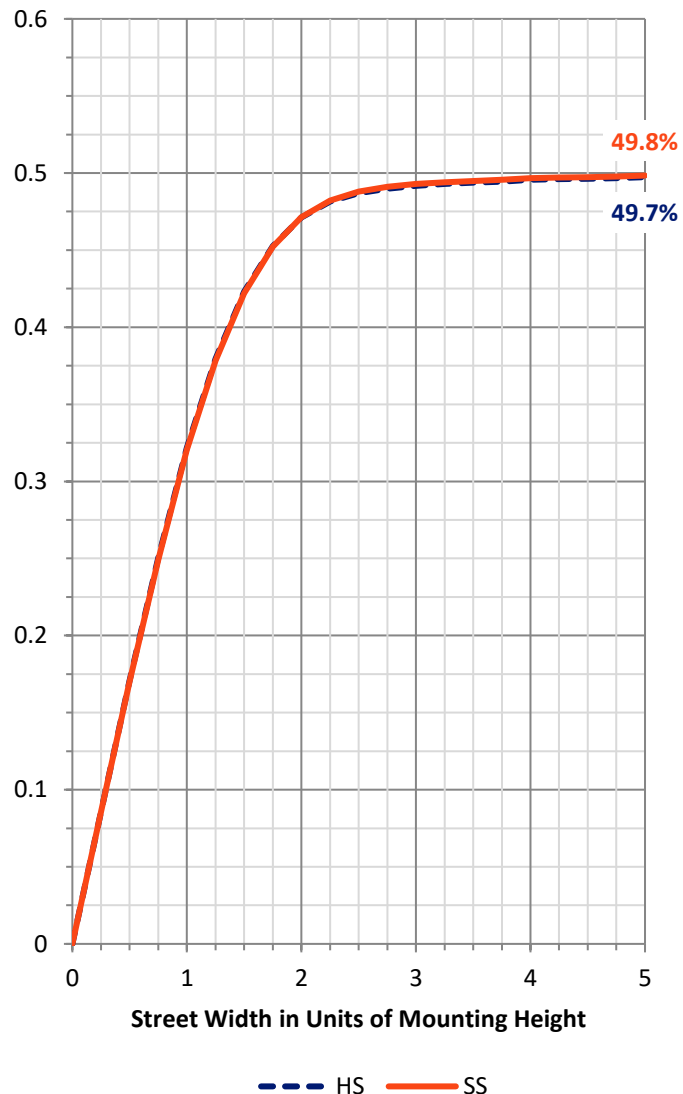
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18068.5	0.0	18068.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18068.5	0.0	18068.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36137.0	0.0	36137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.9	1.0
10°-20°	1231.8	3.4
20°-30°	2401.7	6.6
30°-40°	4034.7	11.2
40°-50°	6357.2	17.6
50°-60°	8501.7	23.5
60°-70°	8264.7	22.9
70°-80°	4517.9	12.5
80°-90°	459.5	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°	36137.0	100.0
0°-180°	36137.0	100.0

Coefficient of Utilization

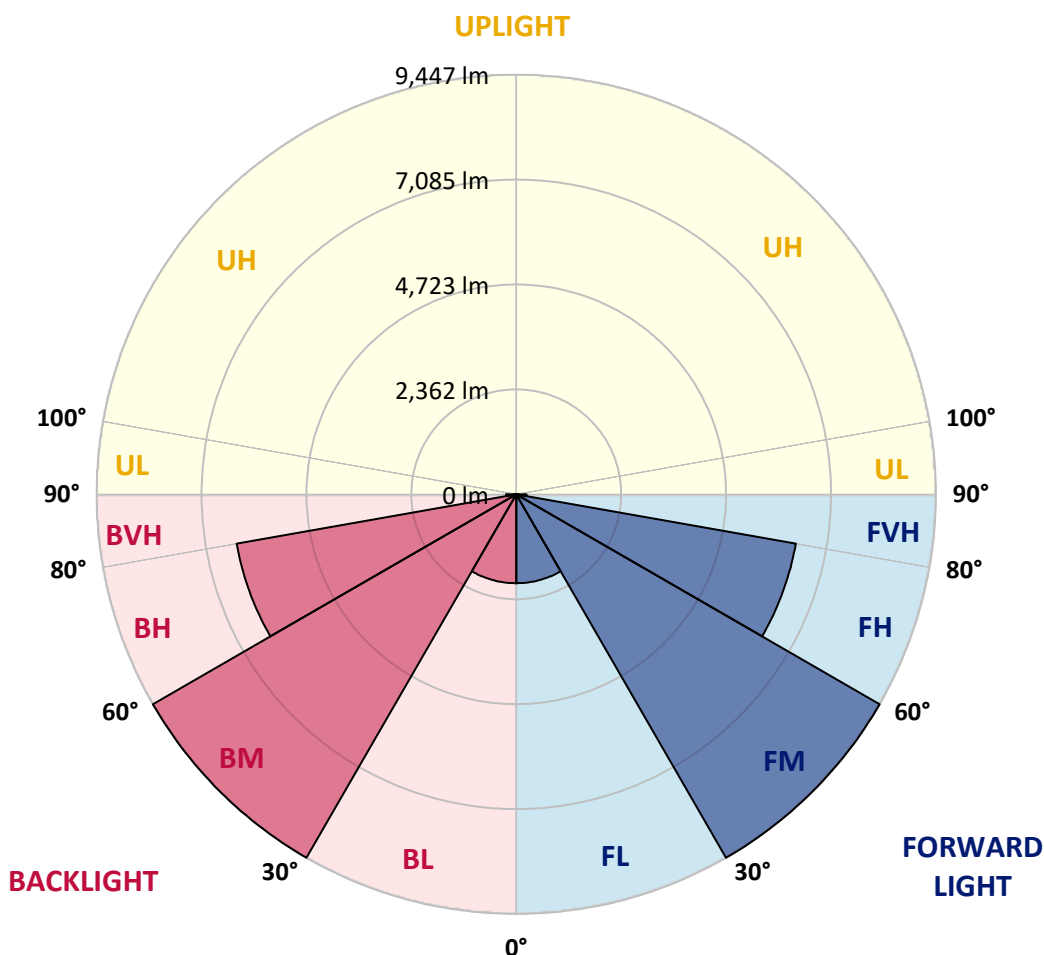


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2000.7	5.5			
FM (30°-60°)	9446.8	26.1			
FH (60°-80°)	6391.3	17.7			G3/7500
FVH (80°-90°)	229.7	0.6			G3/500
BL (0°-30°)	2000.7	5.5	B3/2500		
BM (30°-60°)	9446.8	26.1	B5		
BH (60°-80°)	6391.3	17.7	B5		G5
BVH (80°-90°)	229.7	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°	3757.4	3757.4	3757.4	3757.4	3757.4	3757.4	3757.4	3757.4	3757.4	3757.4	3757.4
2.5°	3730.7	3732.0	3738.0	3745.3	3751.3	3767.1	3770.7	3776.8	3779.2	3785.3	3785.3
5°	3698.0	3700.4	3715.0	3734.4	3756.2	3795.0	3822.8	3854.3	3870.1	3887.0	3885.8
7.5°	3694.4	3700.4	3721.0	3752.6	3788.9	3853.1	3911.3	3974.3	4016.7	4055.5	4053.0
10°	3732.0	3741.6	3770.7	3818.0	3872.5	3952.5	4038.5	4123.3	4197.2	4256.6	4259.0
12.5°	3788.9	3801.0	3847.1	3918.6	4000.9	4103.9	4205.7	4301.4	4403.2	4491.7	4498.9
15°	3864.0	3879.8	3948.8	4055.5	4181.5	4303.9	4412.9	4511.1	4628.6	4751.0	4763.1
17.5°	3975.5	3997.3	4088.2	4232.4	4398.4	4532.9	4646.8	4720.7	4818.8	4944.8	4967.9
20°	4145.1	4173.0	4288.1	4460.2	4662.5	4803.1	4890.3	4906.1	4954.5	5067.2	5093.9
22.5°	4365.7	4389.9	4518.3	4723.1	4949.7	5102.4	5148.4	5085.4	5080.5	5171.4	5196.9
25°	4611.6	4633.4	4782.5	5012.7	5256.2	5424.7	5423.4	5301.1	5216.3	5286.5	5313.2
27.5°	4887.9	4921.8	5064.8	5307.1	5567.6	5733.6	5723.9	5534.9	5373.8	5391.9	5415.0
30°	5205.3	5242.9	5382.3	5628.2	5888.7	6051.1	6039.0	5789.4	5547.0	5498.6	5515.5
32.5°	5599.1	5644.0	5776.0	6018.4	6248.6	6395.2	6360.1	6065.6	5755.4	5650.0	5665.8
35°	6072.9	6099.6	6238.9	6477.6	6664.2	6764.8	6690.9	6385.5	6019.6	5892.4	5892.4
37.5°	6552.7	6573.3	6729.6	6961.1	7141.6	7194.9	7050.7	6735.7	6364.9	6184.4	6188.0
40°	7013.2	7068.9	7244.6	7482.1	7660.2	7674.7	7483.3	7135.5	6749.0	6562.4	6584.2
42.5°	7494.2	7548.7	7758.3	8027.3	8184.9	8209.1	7984.9	7583.9	7182.8	7031.3	7055.6
45°	7923.1	7966.7	8209.1	8521.7	8718.0	8781.0	8515.6	8097.6	7651.7	7503.9	7509.9
47.5°	8222.4	8279.4	8545.9	8914.3	9200.2	9297.2	9036.7	8598.0	8113.4	7934.0	7949.8
50°	8493.8	8524.1	8794.3	9196.6	9560.1	9760.0	9537.1	9092.4	8579.9	8389.6	8406.6
52.5°	8645.3	8684.1	8945.8	9365.0	9795.2	10117.5	9981.8	9537.1	9030.6	8845.2	8865.8
55°	8539.9	8569.0	8882.8	9402.6	9940.6	10338.0	10358.6	9972.1	9472.9	9310.5	9368.7
57.5°	8060.0	8096.4	8479.3	9160.2	9958.7	10487.0	10642.1	10375.6	9886.0	9754.0	9787.9
60°	7310.0	7333.0	7741.4	8507.2	9604.9	10548.8	10822.7	10705.1	10290.7	10158.7	10204.7
62.5°	5973.5	6007.5	6495.8	7522.1	8857.3	10365.9	10997.1	10977.8	10667.6	10546.4	10587.6
65°	4083.3	4142.7	4683.1	5980.8	7705.0	9806.1	11155.9	11295.2	11000.8	10848.1	10902.6
67.5°	2465.8	2509.4	2900.7	3948.8	5896.0	8676.8	10992.3	11656.3	11235.8	10989.9	11034.7
68°	2204.0	2244.0	2571.2	3563.5	5453.7	8358.1	10843.3	11697.5	11261.3	10987.4	11027.4
70°	1331.6	1358.3	1577.6	2202.8	3636.2	6630.3	9826.7	11663.6	11423.7	11021.4	11044.4
72.5°	867.6	876.0	912.4	1130.5	1857.5	3707.7	7375.5	10868.7	11667.2	11218.9	11215.2
75°	720.9	716.1	719.7	745.2	916.0	1626.1	4309.9	8585.9	11121.9	10907.5	10831.1
77.5°	609.5	605.8	604.6	605.8	613.1	785.2	1870.8	5348.3	8510.8	9648.6	9716.4
80°	493.2	488.3	504.1	496.8	475.0	488.3	784.0	2224.6	4011.8	4316.0	4044.6
82.5°	358.7	340.5	408.3	388.9	370.8	344.1	432.6	718.5	957.2	656.7	461.6
85°	276.3	256.9	310.2	298.1	254.5	175.7	256.9	351.4	387.7	221.7	174.5
87.5°	112.7	118.7	224.2	176.9	149.0	84.8	105.4	140.6	189.0	94.5	72.7
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)