

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: P317140

Luminaire Tested: **GAN-SA6D-740-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317140
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-SA6D-740-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47437 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

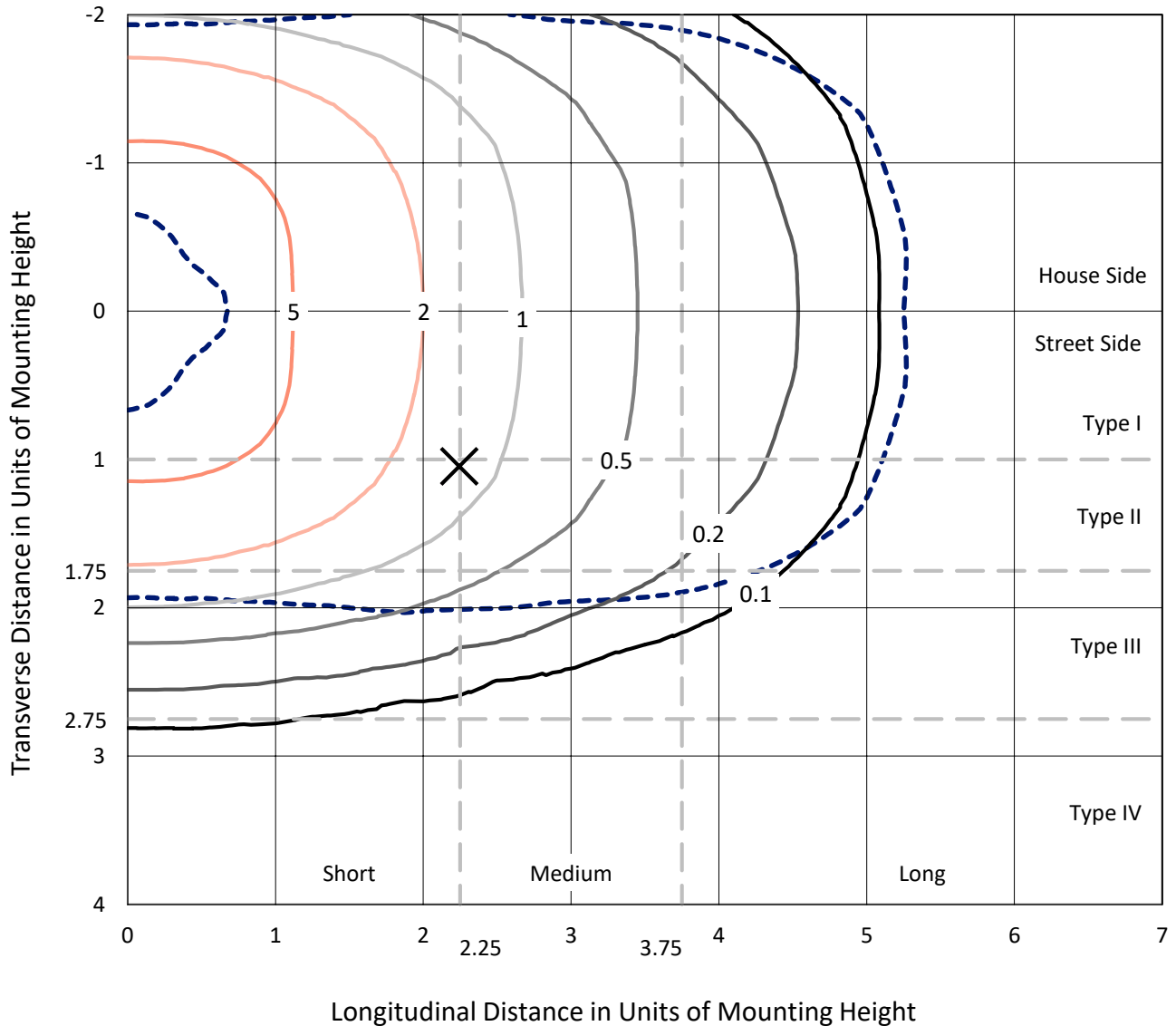
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

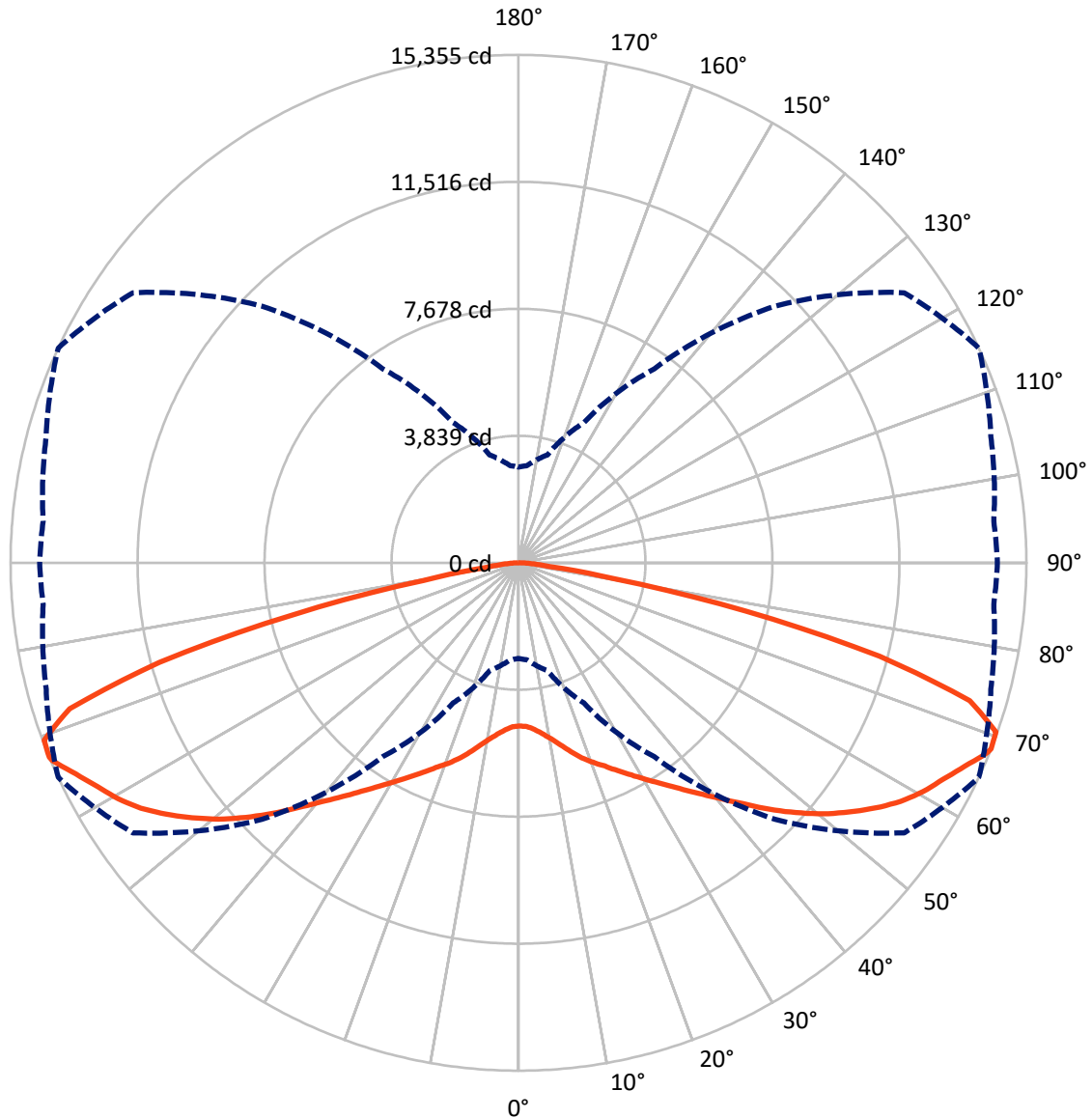
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	23718.5	0.0	23718.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23718.5	0.0	23718.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47437.0	0.0	47437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.9	1.0
10°-20°	1617.0	3.4
20°-30°	3152.7	6.6
30°-40°	5296.3	11.2
40°-50°	8345.1	17.6
50°-60°	11160.2	23.5
60°-70°	10849.1	22.9
70°-80°	5930.6	12.5
80°-90°	603.2	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°	47437.0	100.0
0°-180°	47437.0	100.0

Coefficient of Utilization



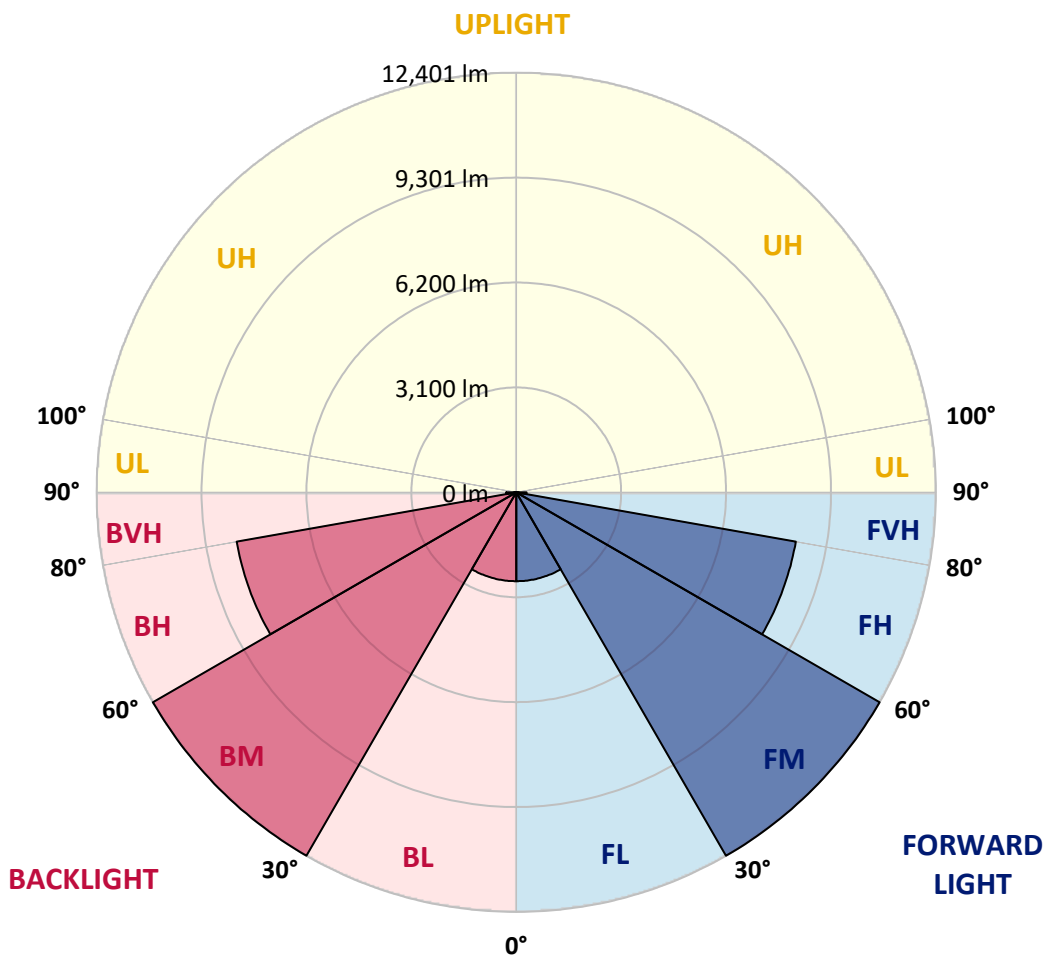
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2626.3	5.5			
FM (30°-60°)	12400.8	26.1			
FH (60°-80°)	8389.8	17.7			G4/12000
FVH (80°-90°)	301.6	0.6			G3/500
BL (0°-30°)	2626.3	5.5	B4/5000		
BM (30°-60°)	12400.8	26.1	B5		
BH (60°-80°)	8389.8	17.7	B5		G5
BVH (80°-90°)	301.6	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°	4932.3	4932.3	4932.3	4932.3	4932.3	4932.3	4932.3	4932.3	4932.3	4932.3	4932.3
2.5°	4897.3	4898.9	4906.9	4916.4	4924.4	4945.1	4949.8	4957.8	4961.0	4968.9	4968.9
5°	4854.4	4857.6	4876.7	4902.1	4930.7	4981.6	5018.2	5059.6	5080.3	5102.5	5100.9
7.5°	4849.6	4857.6	4884.6	4926.0	4973.7	5058.0	5134.3	5217.0	5272.7	5323.6	5320.4
10°	4898.9	4911.7	4949.8	5011.9	5083.4	5188.4	5301.3	5412.7	5509.7	5587.6	5590.8
12.5°	4973.7	4989.6	5050.0	5143.9	5252.0	5387.2	5520.8	5646.5	5780.1	5896.2	5905.8
15°	5072.3	5093.0	5183.6	5323.6	5489.0	5649.7	5792.8	5921.7	6075.9	6236.6	6252.5
17.5°	5218.6	5247.3	5366.6	5555.8	5773.7	5950.3	6099.8	6196.8	6325.7	6491.1	6521.3
20°	5441.3	5477.9	5629.0	5854.9	6120.5	6305.0	6419.5	6440.2	6503.8	6651.7	6686.7
22.5°	5730.8	5762.6	5931.2	6200.0	6497.4	6697.9	6758.3	6675.6	6669.2	6788.5	6821.9
25°	6053.7	6082.3	6277.9	6580.2	6899.9	7120.9	7119.4	6958.7	6847.4	6939.6	6974.6
27.5°	6416.3	6460.9	6648.5	6966.7	7308.6	7526.5	7513.8	7265.7	7054.1	7078.0	7108.2
30°	6833.1	6882.4	7065.3	7388.2	7730.1	7943.3	7927.4	7599.7	7281.6	7218.0	7240.2
32.5°	7350.0	7408.8	7582.2	7900.3	8202.5	8395.0	8348.9	7962.4	7555.2	7416.8	7437.5
35°	7971.9	8006.9	8189.8	8503.1	8748.1	8880.1	8783.1	8382.3	7901.9	7734.9	7734.9
37.5°	8601.8	8628.8	8834.0	9137.8	9374.8	9444.8	9255.5	8841.9	8355.2	8118.2	8123.0
40°	9206.2	9279.3	9510.0	9821.7	10055.5	10074.6	9823.3	9366.8	8859.4	8614.5	8643.1
42.5°	9837.6	9909.2	10184.4	10537.5	10744.2	10776.1	10481.8	9955.3	9428.8	9230.0	9261.8
45°	10400.7	10457.9	10776.1	11186.4	11444.1	11526.8	11178.5	10629.7	10044.4	9850.3	9858.3
47.5°	10793.6	10868.3	11218.2	11701.8	12077.1	12204.4	11862.4	11286.6	10650.4	10415.0	10435.7
50°	11149.8	11189.6	11544.3	12072.4	12549.5	12812.0	12519.3	11935.6	11262.8	11013.0	11035.3
52.5°	11348.7	11399.6	11743.1	12293.5	12858.1	13281.2	13103.0	12519.3	11854.5	11611.1	11638.1
55°	11210.3	11248.5	11660.4	12342.8	13049.0	13570.7	13597.7	13090.3	12435.0	12221.9	12298.2
57.5°	10580.4	10628.1	11130.8	12024.6	13072.8	13766.3	13969.9	13620.0	12977.4	12804.0	12848.6
60°	9595.9	9626.1	10162.1	11167.3	12608.4	13847.4	14206.9	14052.6	13508.6	13335.3	13395.7
62.5°	7841.5	7886.0	8527.0	9874.2	11627.0	13607.3	14435.9	14410.5	14003.3	13844.2	13898.3
65°	5360.2	5438.1	6147.5	7851.0	10114.4	12872.4	14644.3	14827.2	14440.7	14240.3	14311.9
67.5°	3236.8	3294.1	3807.8	5183.6	7739.7	11390.0	14429.6	15301.2	14749.3	14426.4	14485.2
68°	2893.2	2945.7	3375.2	4677.8	7159.1	10971.7	14233.9	15355.3	14782.7	14423.2	14475.7
70°	1748.0	1783.0	2070.9	2891.6	4773.3	8703.6	12899.5	15310.7	14995.8	14467.7	14498.0
72.5°	1138.8	1150.0	1197.7	1484.0	2438.3	4867.1	9681.7	14267.3	15315.5	14727.0	14722.2
75°	946.4	940.0	944.8	978.2	1202.5	2134.5	5657.6	11270.7	14599.8	14318.2	14218.0
77.5°	800.1	795.3	793.7	795.3	804.8	1030.7	2455.8	7020.7	11172.1	12665.6	12754.7
80°	647.4	641.0	661.7	652.1	623.5	641.0	1029.1	2920.3	5266.3	5665.6	5309.3
82.5°	470.8	446.9	536.0	510.6	486.7	451.7	567.8	943.2	1256.5	862.1	606.0
85°	362.6	337.2	407.2	391.3	334.0	230.6	337.2	461.3	509.0	291.1	229.0
87.5°	147.9	155.9	294.3	232.2	195.6	111.3	138.4	184.5	248.1	124.1	95.4
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)