

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: P317104

Luminaire Tested: **GAN-SA0D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317104
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-SA0D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 71494 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

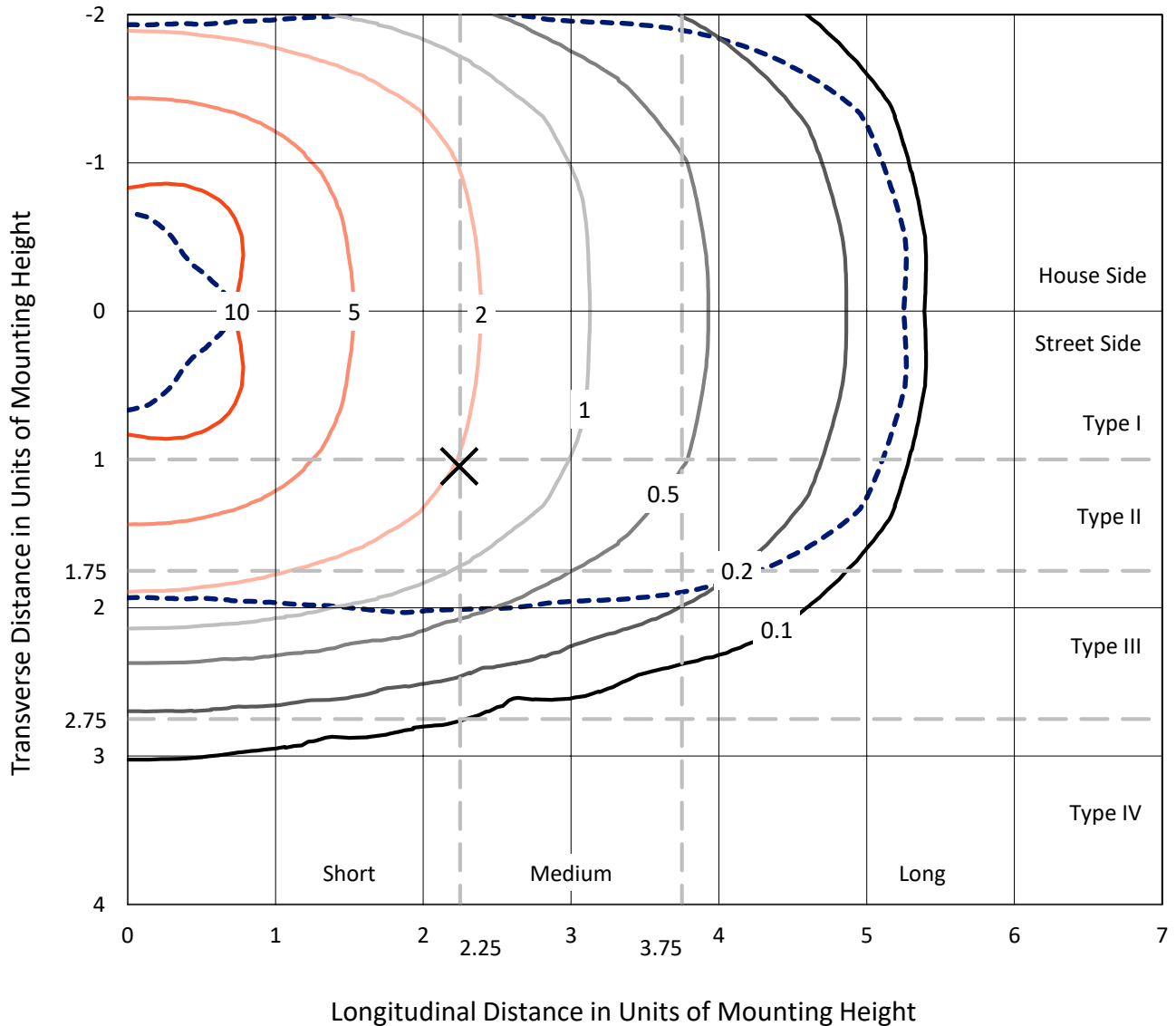
Input Watts (W): 640
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

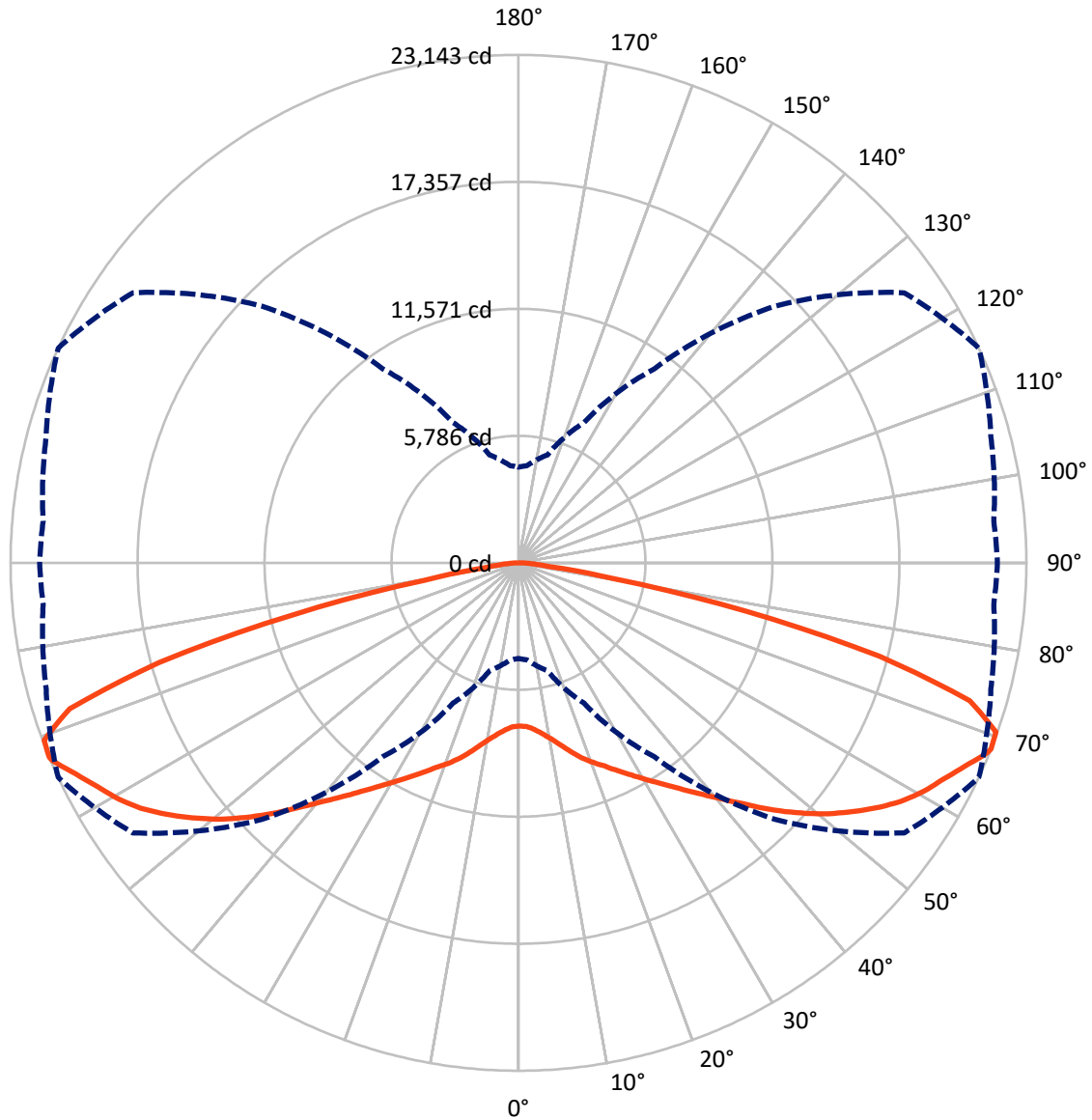
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 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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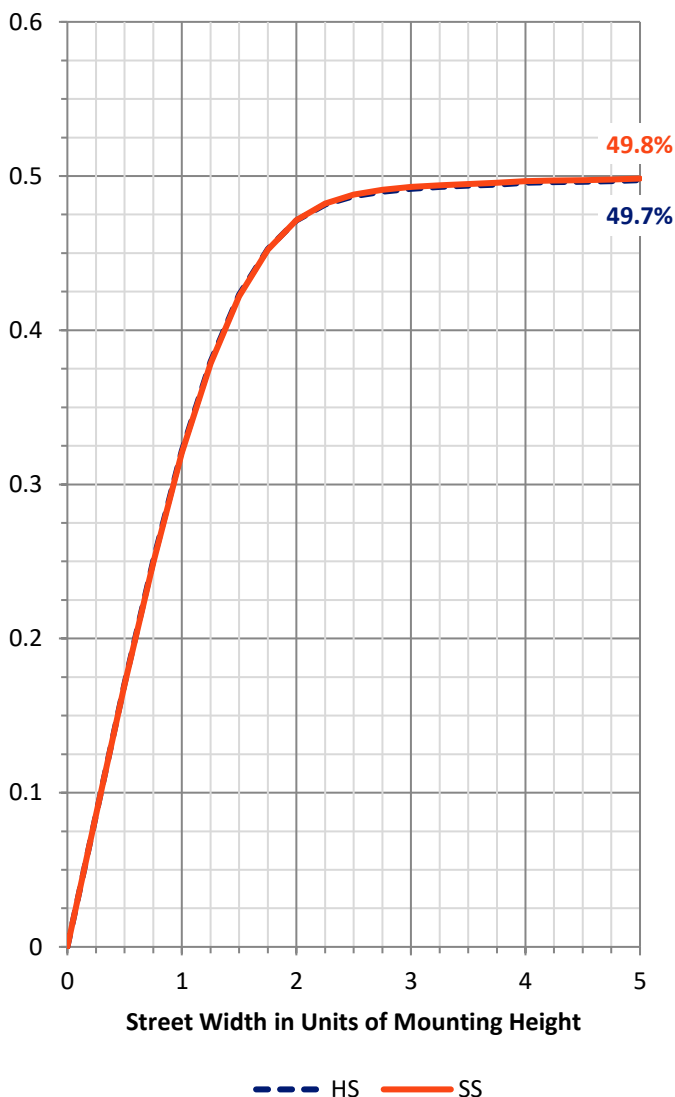
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35747.0	0.0	35747.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35747.0	0.0	35747.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	71494.0	0.0	71494.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.8	1.0
10°-20°	2437.0	3.4
20°-30°	4751.6	6.6
30°-40°	7982.3	11.2
40°-50°	12577.2	17.6
50°-60°	16819.9	23.5
60°-70°	16351.0	22.9
70°-80°	8938.3	12.5
80°-90°	909.1	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°	71494.0	100.0
0°-180°	71494.0	100.0

Coefficient of Utilization

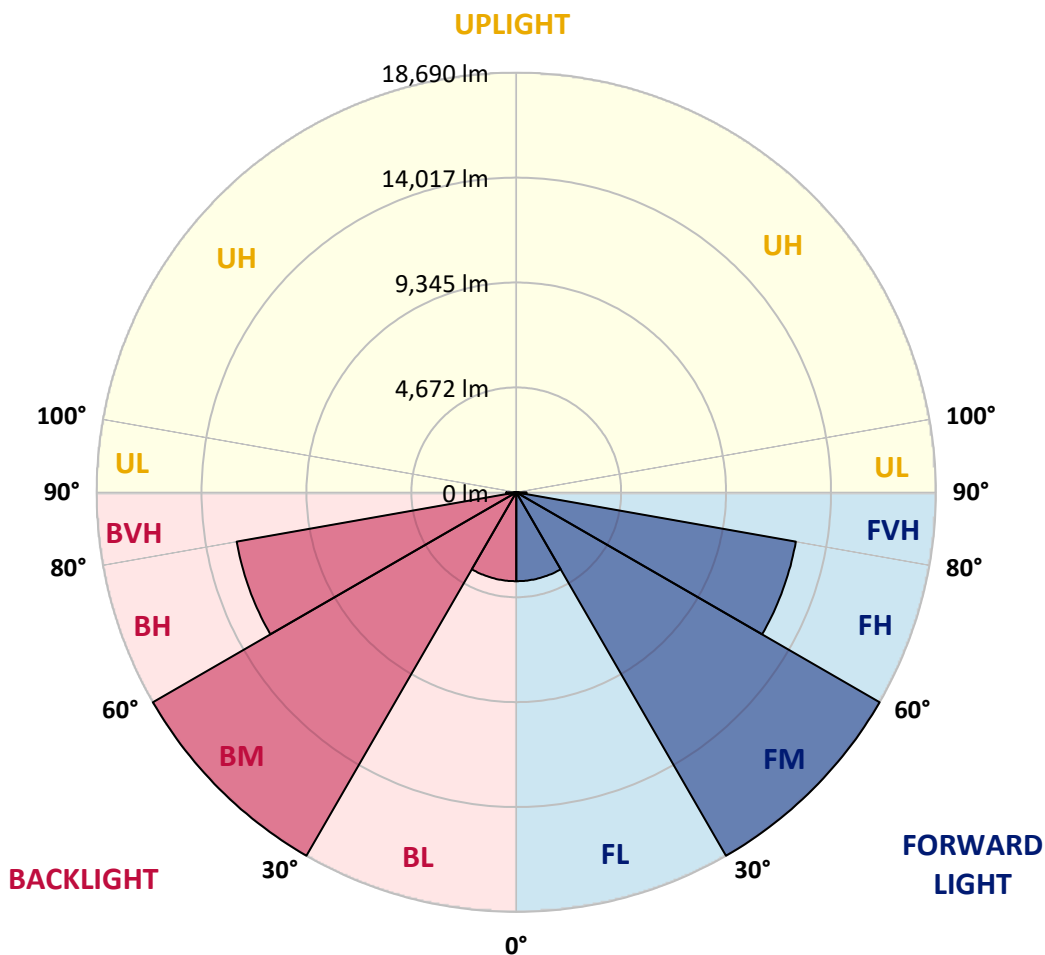


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3958.2	5.5			
FM (30°-60°)	18689.7	26.1			
FH (60°-80°)	12644.6	17.7			G5
FVH (80°-90°)	454.5	0.6			G3/500
BL (0°-30°)	3958.2	5.5	B4/5000		
BM (30°-60°)	18689.7	26.1	B5		
BH (60°-80°)	12644.6	17.7	B5		G5
BVH (80°-90°)	454.5	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°	7433.7	7433.7	7433.7	7433.7	7433.7	7433.7	7433.7	7433.7	7433.7	7433.7	7433.7
2.5°	7381.0	7383.4	7395.3	7409.7	7421.7	7452.9	7460.1	7472.0	7476.8	7488.8	7488.8
5°	7316.2	7321.0	7349.8	7388.1	7431.3	7508.0	7563.1	7625.5	7656.6	7690.2	7687.8
7.5°	7309.0	7321.0	7361.8	7424.1	7496.0	7623.1	7738.1	7862.8	7946.7	8023.4	8018.6
10°	7383.4	7402.5	7460.1	7553.6	7661.4	7819.6	7989.8	8157.6	8303.9	8421.3	8426.1
12.5°	7496.0	7520.0	7611.1	7752.5	7915.5	8119.3	8320.7	8510.0	8711.4	8886.4	8900.8
15°	7644.6	7675.8	7812.5	8023.4	8272.7	8514.8	8730.6	8924.7	9157.3	9399.4	9423.4
17.5°	7865.2	7908.3	8088.1	8373.4	8701.8	8967.9	9193.2	9339.5	9533.6	9782.9	9828.5
20°	8200.8	8255.9	8483.7	8824.1	9224.4	9502.5	9675.1	9706.2	9802.1	10025.1	10077.8
22.5°	8637.1	8685.0	8939.1	9344.3	9792.5	10094.6	10185.7	10061.0	10051.4	10231.2	10281.6
25°	9123.7	9166.9	9461.7	9917.2	10399.0	10732.2	10729.8	10487.7	10319.9	10459.0	10511.7
27.5°	9670.3	9737.4	10020.3	10499.7	11015.1	11343.5	11324.3	10950.4	10631.5	10667.5	10713.1
30°	10298.3	10372.7	10648.3	11135.0	11650.4	11971.6	11947.6	11453.8	10974.3	10878.5	10912.0
32.5°	11077.4	11166.1	11427.4	11906.9	12362.3	12652.4	12582.9	12000.3	11386.7	11178.1	11209.3
35°	12014.7	12067.5	12343.1	12815.4	13184.6	13383.5	13237.3	12633.2	11909.3	11657.5	11657.5
37.5°	12964.0	13004.8	13314.0	13771.9	14129.1	14234.5	13949.3	13326.0	12592.5	12235.3	12242.5
40°	13874.9	13985.2	14332.8	14802.7	15155.1	15183.8	14805.1	14117.1	13352.4	12983.2	13026.3
42.5°	14826.6	14934.5	15349.2	15881.4	16193.0	16241.0	15797.5	15004.0	14210.6	13910.9	13958.9
45°	15675.2	15761.5	16241.0	16859.5	17247.8	17372.5	16847.5	16020.4	15138.3	14845.8	14857.8
47.5°	16267.3	16380.0	16907.4	17636.1	18201.9	18393.7	17878.3	17010.5	16051.6	15696.8	15728.0
50°	16804.3	16864.2	17398.8	18194.7	18913.8	19309.4	18868.3	17988.5	16974.5	16598.2	16631.7
52.5°	17104.0	17180.7	17698.5	18527.9	19378.9	20016.6	19748.1	18868.3	17866.3	17499.5	17540.3
55°	16895.4	16952.9	17573.8	18602.2	19666.6	20452.8	20493.6	19728.9	18741.3	18420.0	18535.1
57.5°	15946.1	16018.0	16775.6	18122.8	19702.5	20747.7	21054.5	20527.2	19558.7	19297.4	19364.5
60°	14462.3	14507.8	15315.7	16830.7	19002.5	20870.0	21411.7	21179.2	20359.4	20098.1	20189.2
62.5°	11818.2	11885.3	12851.3	14881.8	17523.5	20508.0	21756.9	21718.6	21104.9	20865.2	20946.7
65°	8078.5	8196.0	9265.1	11832.5	15243.7	19400.5	22071.0	22346.6	21764.1	21462.1	21569.9
67.5°	4878.3	4964.6	5738.9	7812.5	11664.7	17166.3	21747.3	23061.0	22229.2	21742.5	21831.2
68°	4360.5	4439.6	5086.8	7050.1	10789.8	16535.8	21452.5	23142.5	22279.5	21737.7	21816.8
70°	2634.5	2687.3	3121.1	4358.1	7194.0	13117.4	19441.2	23075.4	22600.7	21804.9	21850.4
72.5°	1716.4	1733.2	1805.1	2236.6	3674.9	7335.4	14591.7	21502.8	23082.6	22195.6	22188.4
75°	1426.3	1416.7	1423.9	1474.3	1812.3	3217.0	8526.8	16986.5	22003.8	21579.5	21428.5
77.5°	1205.8	1198.6	1196.2	1198.6	1213.0	1553.4	3701.3	10581.2	16837.9	19088.8	19223.1
80°	975.7	966.1	997.2	982.8	939.7	966.1	1551.0	4401.2	7937.1	8538.8	8001.8
82.5°	709.6	673.6	807.9	769.5	733.5	680.8	855.8	1421.5	1893.8	1299.3	913.3
85°	546.6	508.2	613.7	589.7	503.4	347.6	508.2	695.2	767.1	438.7	345.2
87.5°	222.9	234.9	443.5	350.0	294.9	167.8	208.6	278.1	374.0	187.0	143.8
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)