

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: P317102

Luminaire Tested: **GAN-SA8D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317102
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-SA8D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 57889 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

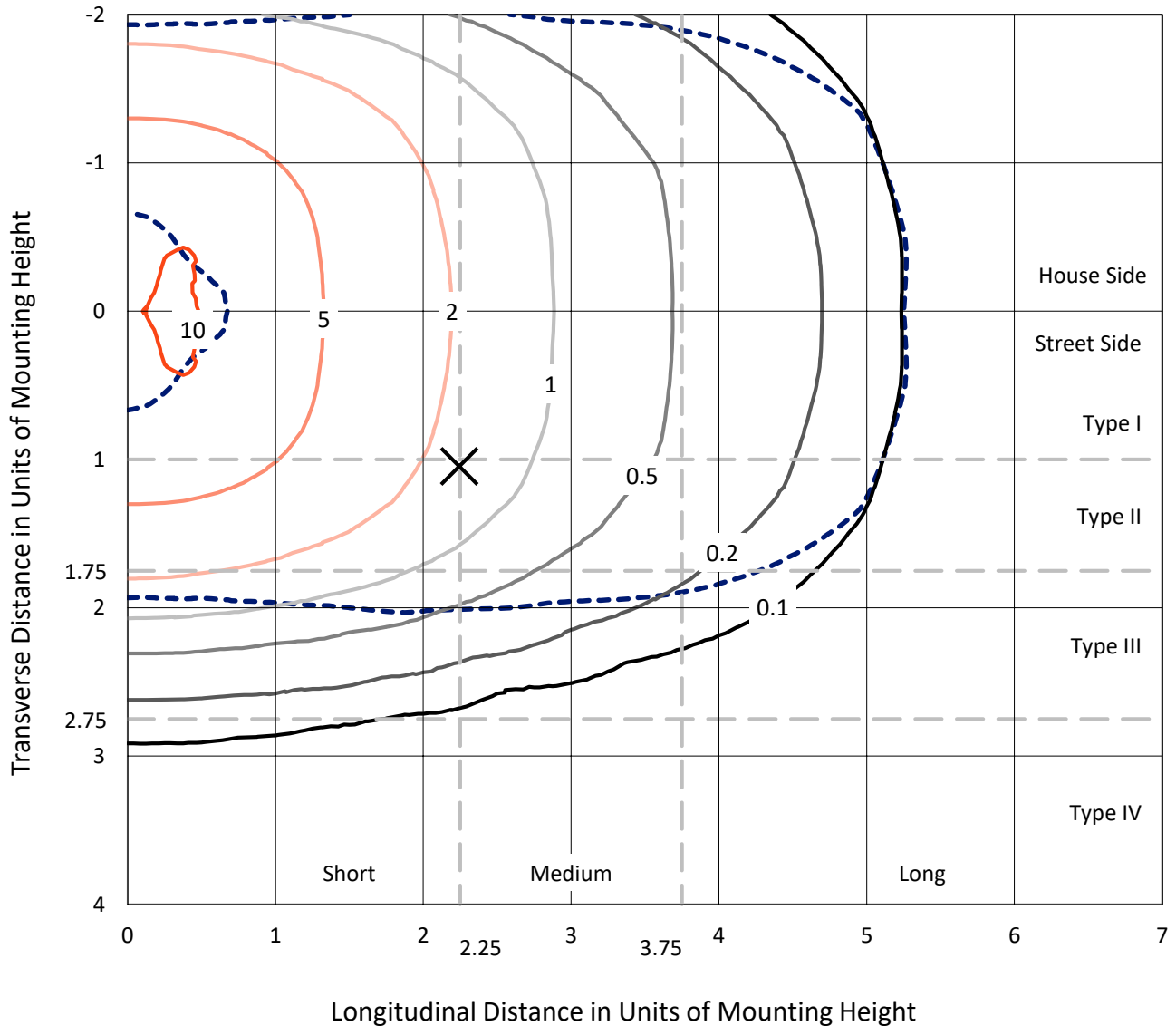
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

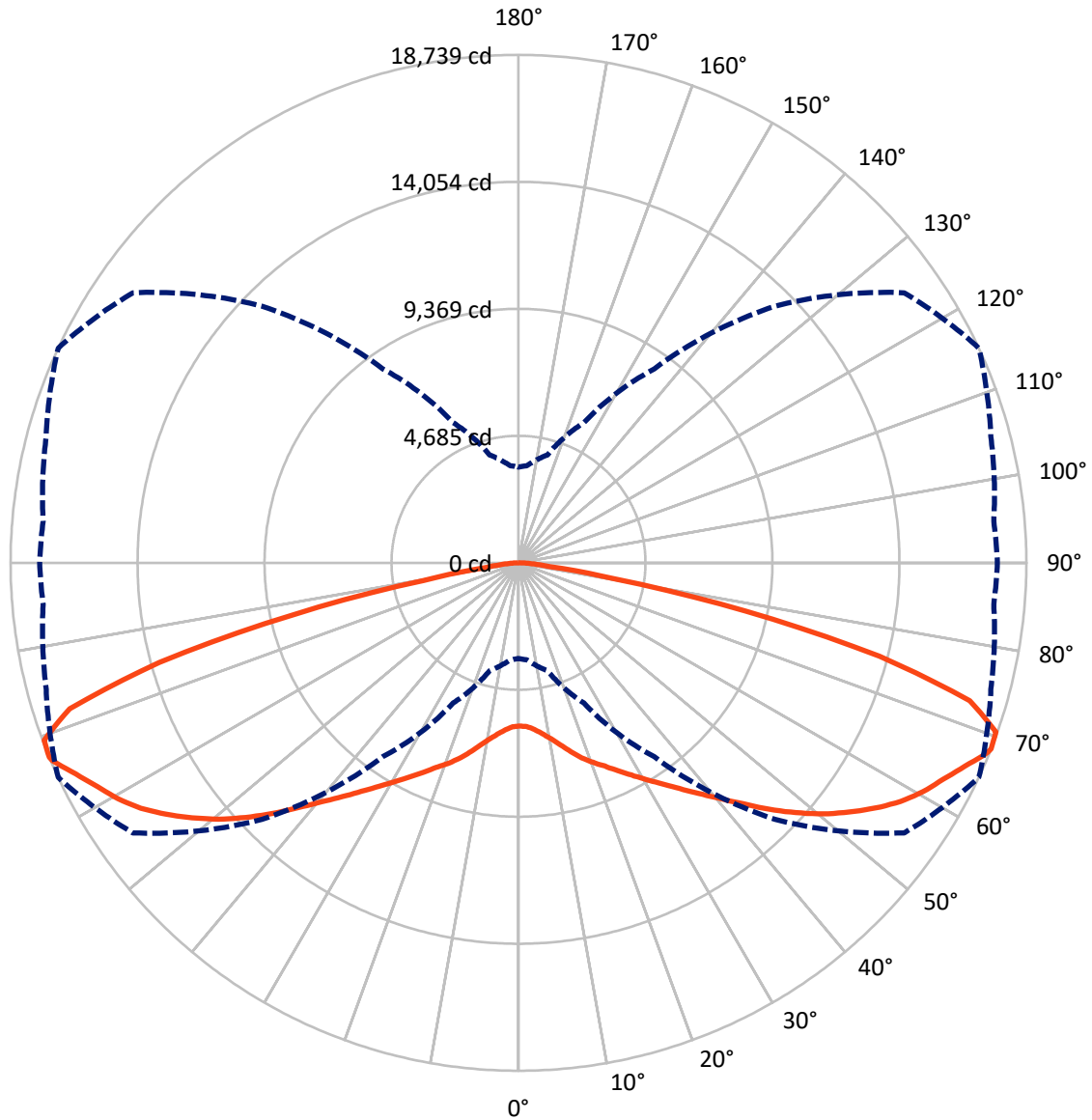
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 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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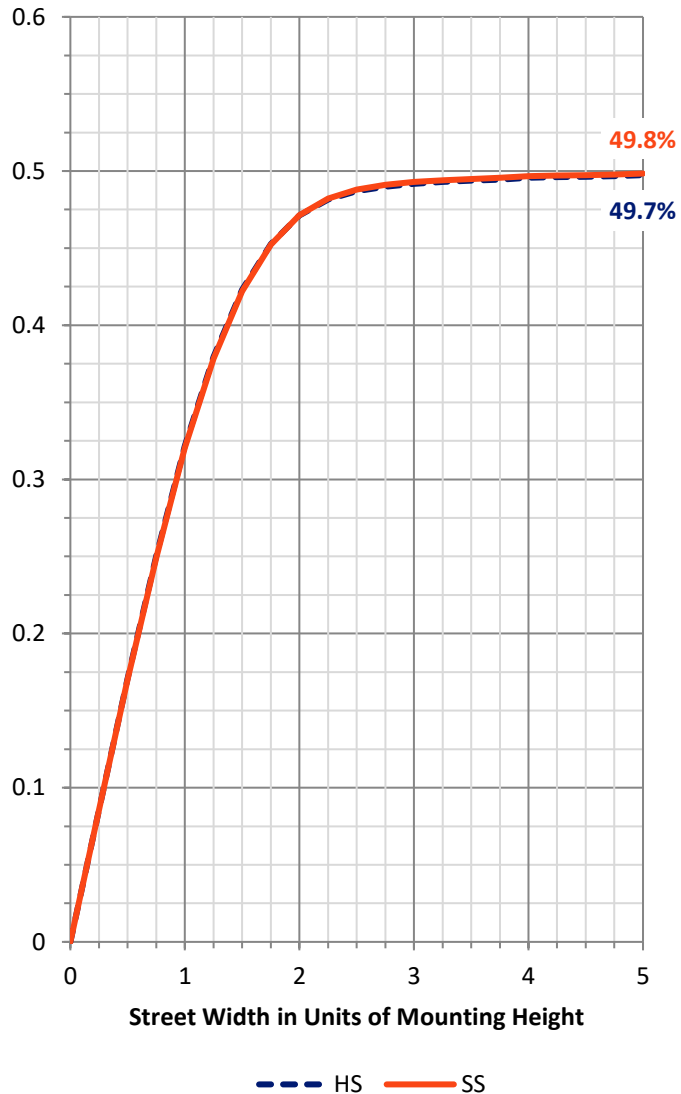
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28944.5	0.0	28944.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28944.5	0.0	28944.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	57889.0	0.0	57889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	589.3	1.0
10°-20°	1973.3	3.4
20°-30°	3847.4	6.6
30°-40°	6463.3	11.2
40°-50°	10183.8	17.6
50°-60°	13619.1	23.5
60°-70°	13239.5	22.9
70°-80°	7237.4	12.5
80°-90°	736.1	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°	57889.0	100.0
0°-180°	57889.0	100.0

Coefficient of Utilization



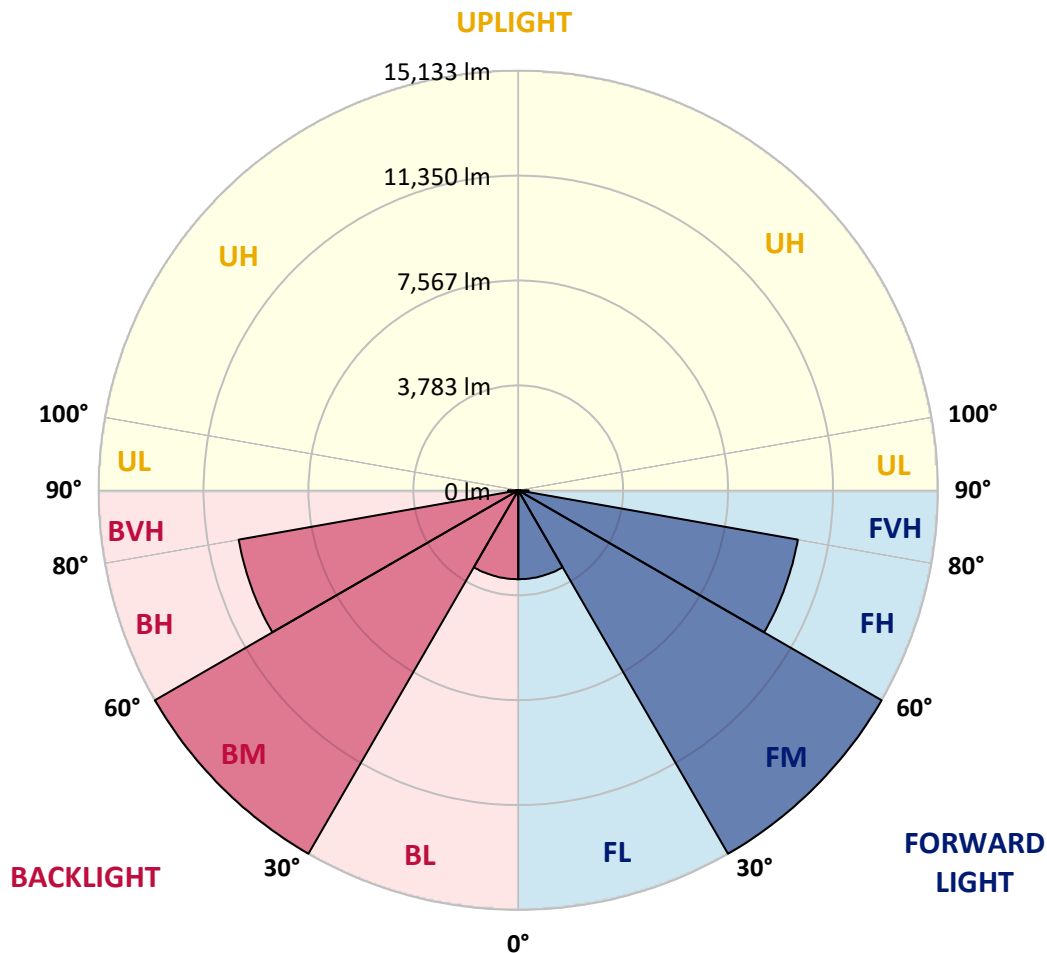
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3205.0	5.5			
FM (30°-60°)	15133.1	26.1			
FH (60°-80°)	10238.4	17.7			G4/12000
FVH (80°-90°)	368.0	0.6			G3/500
BL (0°-30°)	3205.0	5.5	B4/5000		
BM (30°-60°)	15133.1	26.1	B5		
BH (60°-80°)	10238.4	17.7	B5		G5
BVH (80°-90°)	368.0	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°	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1	6019.1
2.5°	5976.4	5978.3	5988.0	5999.7	6009.4	6034.6	6040.4	6050.2	6054.0	6063.7	6063.7
5°	5924.0	5927.9	5951.2	5982.2	6017.2	6079.3	6123.9	6174.4	6199.6	6226.8	6224.8
7.5°	5918.2	5927.9	5960.9	6011.3	6069.6	6172.4	6265.6	6366.5	6434.5	6496.6	6492.7
10°	5978.3	5993.9	6040.4	6116.1	6203.5	6331.6	6469.4	6605.3	6723.7	6818.8	6822.7
12.5°	6069.6	6089.0	6162.7	6277.2	6409.2	6574.2	6737.3	6890.6	7053.7	7195.4	7207.0
15°	6189.9	6215.1	6325.8	6496.6	6698.4	6894.5	7069.2	7226.4	7414.7	7610.7	7630.1
17.5°	6368.5	6403.4	6549.0	6780.0	7045.9	7261.3	7443.8	7562.2	7719.4	7921.3	7958.2
20°	6640.2	6684.9	6869.3	7144.9	7469.0	7694.2	7833.9	7859.2	7936.8	8117.3	8160.0
22.5°	6993.5	7032.3	7238.1	7566.1	7929.1	8173.6	8247.4	8146.4	8138.7	8284.3	8325.0
25°	7387.5	7422.4	7661.2	8030.0	8420.1	8689.9	8688.0	8491.9	8356.1	8468.7	8511.4
27.5°	7830.1	7884.4	8113.5	8501.7	8919.0	9184.9	9169.4	8866.6	8608.4	8637.5	8674.4
30°	8338.6	8398.8	8622.0	9016.0	9433.3	9693.4	9674.0	9274.2	8886.0	8808.3	8835.5
32.5°	8969.4	9041.3	9252.8	9641.0	10009.8	10244.7	10188.4	9716.7	9219.8	9051.0	9076.2
35°	9728.4	9771.1	9994.3	10376.7	10675.6	10836.7	10718.3	10229.2	9643.0	9439.2	9439.2
37.5°	10497.0	10530.0	10780.4	11151.1	11440.4	11525.8	11294.8	10790.1	10196.2	9907.0	9912.8
40°	11234.6	11323.9	11605.3	11985.8	12271.1	12294.4	11987.7	11430.6	10811.5	10512.5	10547.5
42.5°	12005.2	12092.5	12428.3	12859.2	13111.6	13150.4	12791.3	12148.8	11506.3	11263.7	11302.5
45°	12692.3	12762.2	13150.4	13651.2	13965.6	14066.6	13641.5	12971.8	12257.5	12020.7	12030.4
47.5°	13171.7	13263.0	13690.0	14280.1	14738.1	14893.4	14476.1	13773.5	12997.1	12709.8	12735.0
50°	13606.5	13655.1	14087.9	14732.3	15314.6	15634.9	15277.7	14565.4	13744.3	13439.6	13466.8
52.5°	13849.2	13911.3	14330.5	15002.1	15691.2	16207.5	15990.1	15277.7	14466.4	14169.4	14202.4
55°	13680.3	13726.9	14229.6	15062.3	15924.1	16560.8	16593.8	15974.6	15174.9	14914.8	15007.9
57.5°	12911.6	12969.9	13583.2	14674.1	15953.2	16799.5	17048.0	16620.9	15836.8	15625.2	15679.5
60°	11710.2	11747.0	12401.2	13627.9	15386.4	16898.5	17337.2	17148.9	16485.1	16273.5	16347.2
62.5°	9569.2	9623.6	10405.8	12049.8	14188.8	16605.4	17616.7	17585.6	17088.7	16894.6	16960.6
65°	6541.2	6636.3	7502.0	9580.9	12342.9	15708.7	17870.9	18094.2	17622.5	17377.9	17465.3
67.5°	3950.0	4019.8	4646.8	6325.8	9445.0	13899.6	17608.9	18672.6	17999.1	17605.0	17676.8
68°	3530.7	3594.8	4118.8	5708.5	8736.5	13389.1	17370.2	18738.6	18039.8	17601.1	17665.2
70°	2133.2	2175.9	2527.2	3528.8	5825.0	10621.2	15741.6	18684.2	18299.9	17655.5	17692.4
72.5°	1389.8	1403.4	1461.6	1811.0	2975.6	5939.5	11815.0	17410.9	18690.1	17971.9	17966.1
75°	1154.9	1147.1	1153.0	1193.7	1467.4	2604.8	6904.2	13754.0	17816.6	17473.0	17350.8
77.5°	976.3	970.5	968.6	970.5	982.2	1257.8	2996.9	8567.6	13633.7	15456.3	15565.0
80°	790.0	782.2	807.5	795.8	760.9	782.2	1255.8	3563.7	6426.7	6913.9	6479.1
82.5°	574.5	545.4	654.1	623.1	594.0	551.2	692.9	1151.0	1533.4	1052.0	739.5
85°	442.6	411.5	496.9	477.5	407.6	281.4	411.5	562.9	621.1	355.2	279.5
87.5°	180.5	190.2	359.1	283.4	238.7	135.9	168.9	225.2	302.8	151.4	116.5
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)