

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: P317084

Luminaire Tested: **GAN-SA0B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317084
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-SA0B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52655 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

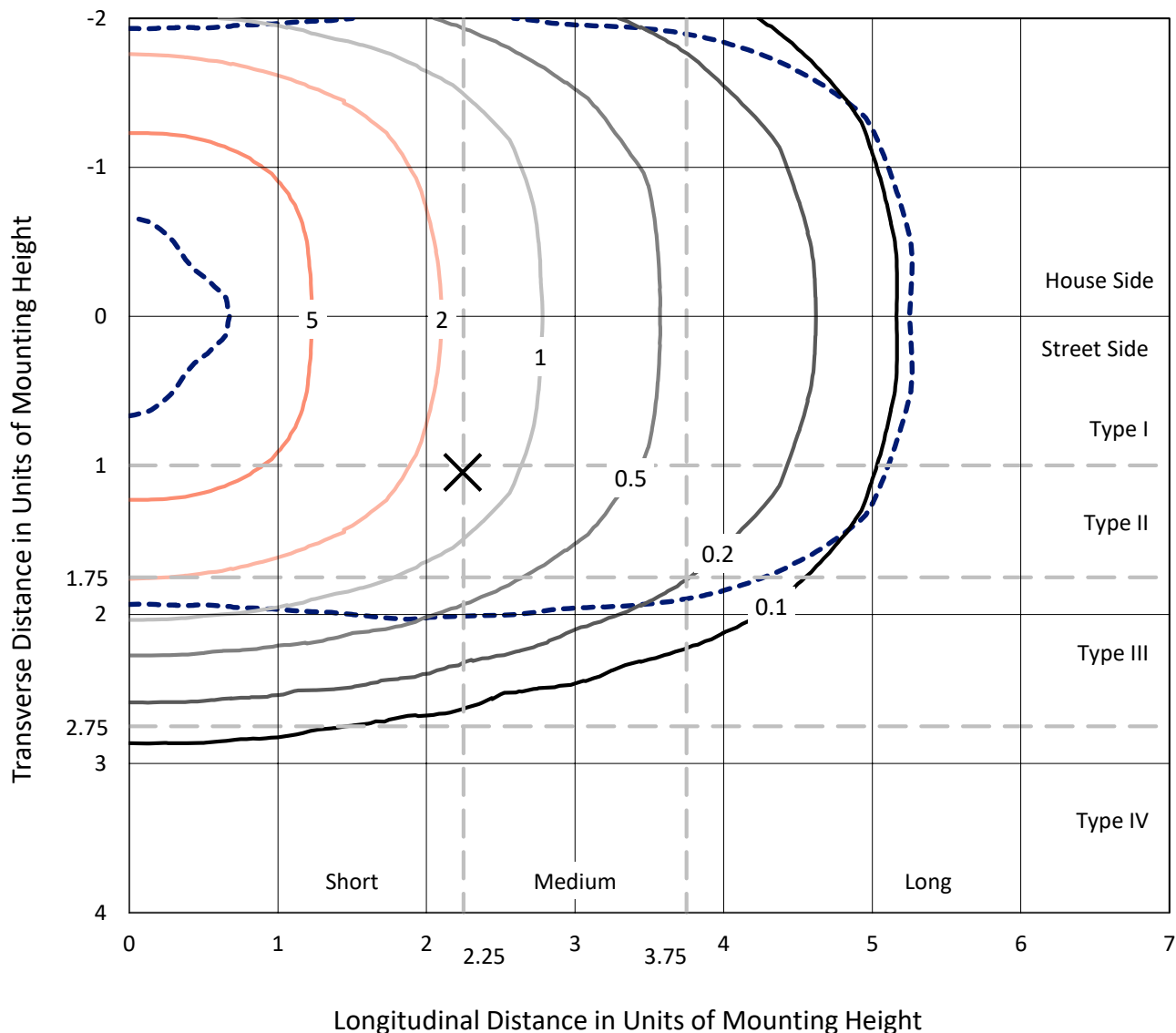
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

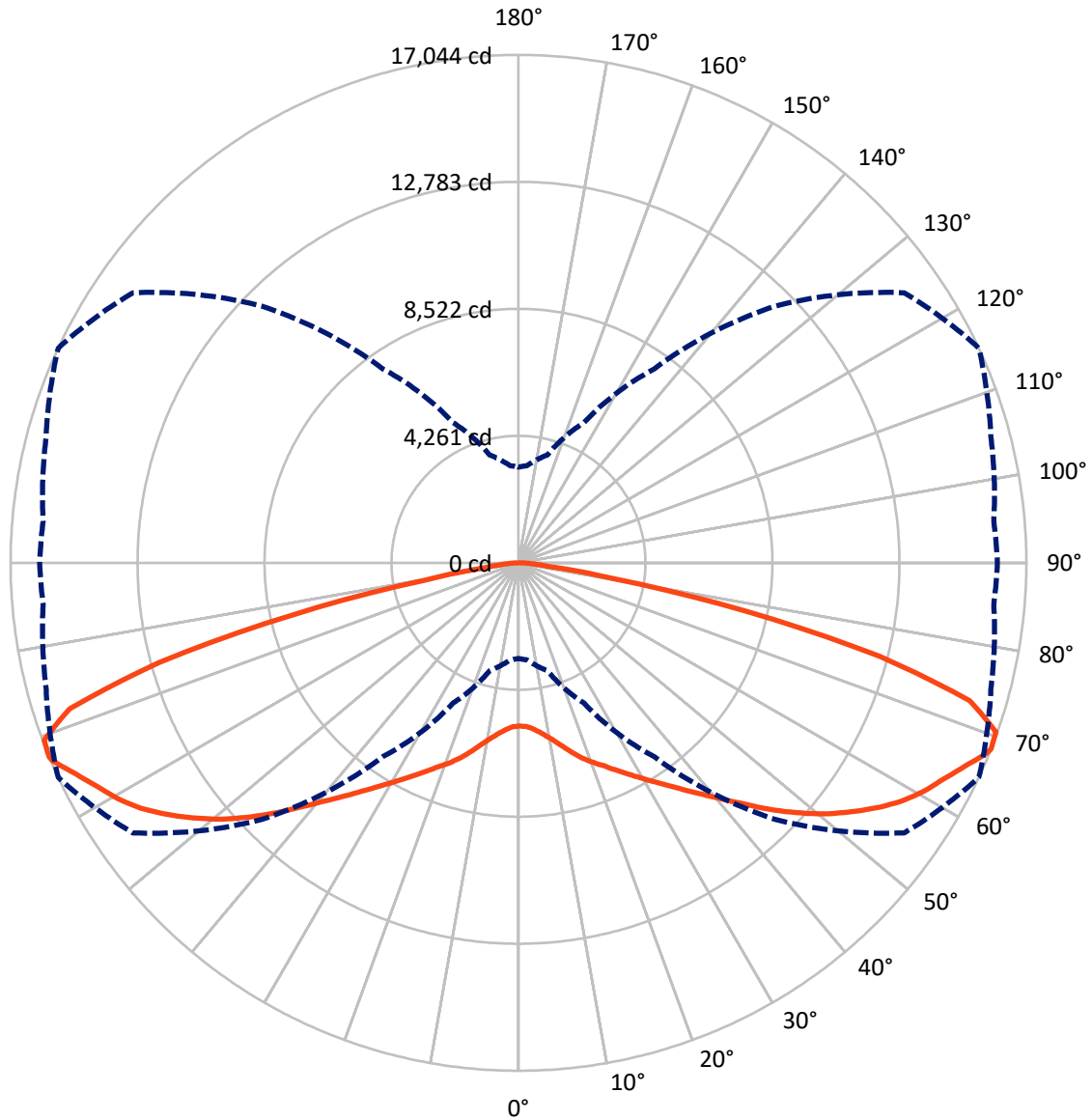
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	26327.5	0.0	26327.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26327.5	0.0	26327.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	52655.0	0.0	52655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.0	1.0
10°-20°	1794.8	3.4
20°-30°	3499.5	6.6
30°-40°	5878.9	11.2
40°-50°	9263.0	17.6
50°-60°	12387.7	23.5
60°-70°	12042.4	22.9
70°-80°	6583.0	12.5
80°-90°	669.5	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°	52655.0	100.0
0°-180°	52655.0	100.0

Coefficient of Utilization



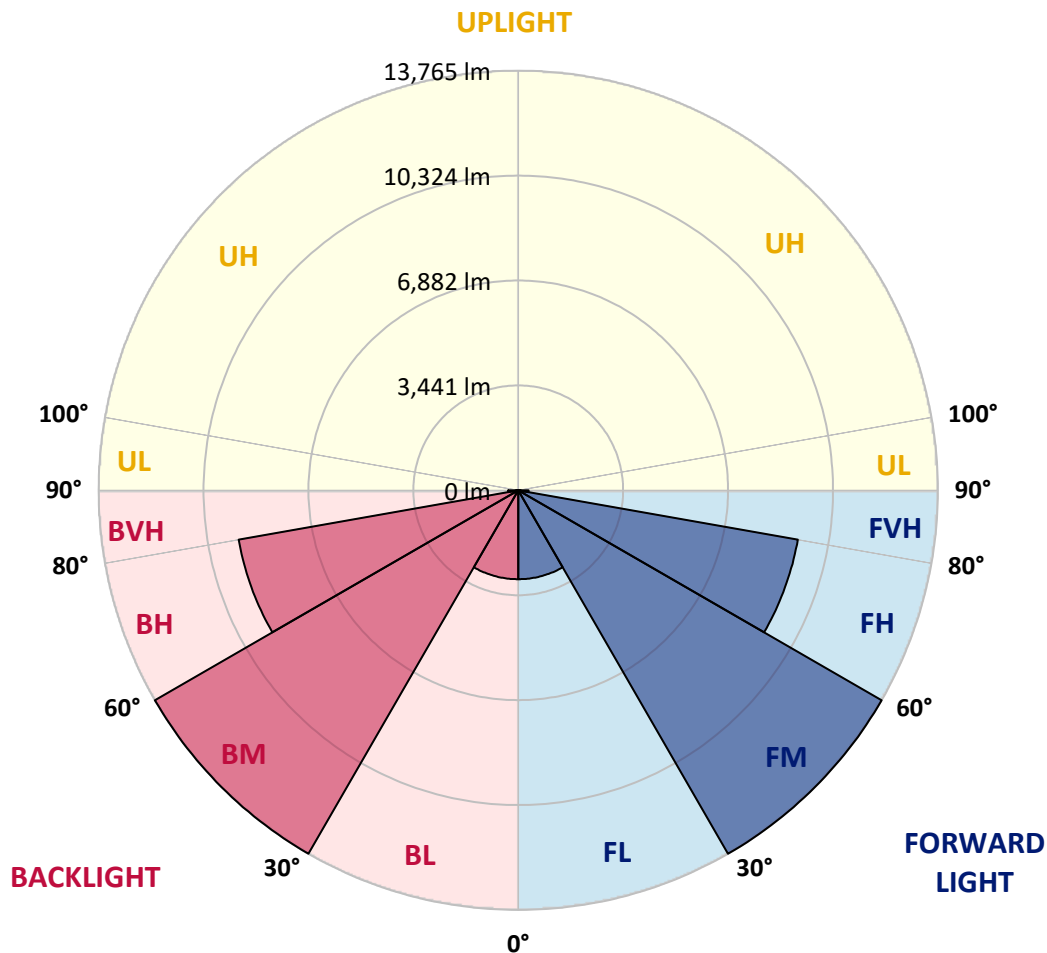
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2915.2	5.5			
FM (30°-60°)	13764.8	26.1			
FH (60°-80°)	9312.7	17.7			G4/12000
FVH (80°-90°)	334.8	0.6			G3/500
BL (0°-30°)	2915.2	5.5	B4/5000		
BM (30°-60°)	13764.8	26.1	B5		
BH (60°-80°)	9312.7	17.7	B5		G5
BVH (80°-90°)	334.8	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°	5474.9	5474.9	5474.9	5474.9	5474.9	5474.9	5474.9	5474.9	5474.9	5474.9	5474.9
2.5°	5436.0	5437.8	5446.6	5457.2	5466.1	5489.0	5494.3	5503.1	5506.7	5515.5	5515.5
5°	5388.4	5391.9	5413.1	5441.3	5473.1	5529.6	5570.2	5616.1	5639.1	5663.8	5662.0
7.5°	5383.1	5391.9	5421.9	5467.8	5520.8	5614.4	5699.1	5790.9	5852.7	5909.2	5905.7
10°	5437.8	5451.9	5494.3	5563.2	5642.6	5759.1	5884.5	6008.1	6115.8	6202.3	6205.8
12.5°	5520.8	5538.4	5605.5	5709.7	5829.8	5979.8	6128.1	6267.6	6415.9	6544.8	6555.4
15°	5630.2	5653.2	5753.8	5909.2	6092.8	6271.1	6430.0	6573.0	6744.3	6922.6	6940.3
17.5°	5792.7	5824.5	5956.9	6167.0	6408.8	6604.8	6770.8	6878.5	7021.5	7205.1	7238.6
20°	6039.8	6080.5	6248.2	6498.9	6793.7	6998.5	7125.6	7148.6	7219.2	7383.4	7422.3
22.5°	6361.2	6396.5	6583.6	6882.0	7212.2	7434.6	7501.7	7409.9	7402.8	7535.2	7572.3
25°	6719.6	6751.4	6968.5	7304.0	7658.8	7904.2	7902.5	7724.2	7600.6	7703.0	7741.8
27.5°	7122.1	7171.5	7379.9	7733.0	8112.6	8354.4	8340.3	8064.9	7830.1	7856.6	7890.1
30°	7584.7	7639.4	7842.4	8200.8	8580.4	8817.0	8799.4	8435.7	8082.6	8011.9	8036.7
32.5°	8158.5	8223.8	8416.2	8769.3	9104.8	9318.4	9267.2	8838.2	8386.2	8232.6	8255.6
35°	8848.8	8887.6	9090.7	9438.5	9710.4	9856.9	9749.2	9304.3	8771.1	8585.7	8585.7
37.5°	9547.9	9578.0	9805.7	10142.9	10406.0	10483.7	10273.6	9814.5	9274.3	9011.2	9016.5
40°	10218.8	10300.1	10556.1	10902.1	11161.6	11182.8	10903.9	10397.2	9834.0	9562.1	9593.8
42.5°	10919.7	10999.2	11304.6	11696.6	11926.1	11961.4	11634.8	11050.4	10466.0	10245.3	10280.6
45°	11544.7	11608.3	11961.4	12416.9	12702.9	12794.7	12408.1	11799.0	11149.3	10933.9	10942.7
47.5°	11980.8	12063.8	12452.2	12988.9	13405.6	13546.8	13167.3	12528.1	11821.9	11560.6	11583.6
50°	12376.3	12420.4	12814.2	13400.3	13930.0	14221.3	13896.4	13248.5	12501.7	12224.5	12249.2
52.5°	12597.0	12653.5	13034.8	13645.7	14272.5	14742.1	14544.4	13896.4	13158.4	12888.3	12918.3
55°	12443.4	12485.8	12943.0	13700.4	14484.3	15063.4	15093.4	14530.2	13802.8	13566.3	13651.0
57.5°	11744.2	11797.2	12355.1	13347.3	14510.8	15280.6	15506.6	15118.2	14404.9	14212.4	14261.9
60°	10651.4	10684.9	11279.9	12395.7	13995.3	15370.6	15769.6	15598.4	14994.6	14802.1	14869.2
62.5°	8704.0	8753.5	9465.0	10960.4	12906.0	15104.0	16023.9	15995.6	15543.6	15367.1	15427.1
65°	5949.8	6036.3	6823.7	8714.6	11226.9	14288.4	16255.2	16458.2	16029.2	15806.7	15886.2
67.5°	3592.8	3656.4	4226.7	5753.8	8591.0	12642.9	16016.8	16984.3	16371.7	16013.3	16078.6
68°	3211.5	3269.7	3746.4	5192.4	7946.6	12178.6	15799.6	17044.3	16408.8	16009.7	16068.0
70°	1940.3	1979.1	2298.7	3209.7	5298.3	9660.9	14318.4	16994.9	16645.3	16059.2	16092.7
72.5°	1264.1	1276.5	1329.4	1647.2	2706.5	5402.5	10746.7	15836.7	17000.2	16347.0	16341.7
75°	1050.5	1043.4	1048.7	1085.8	1334.7	2369.3	6280.0	12510.5	16205.7	15893.2	15782.0
77.5°	888.1	882.8	881.0	882.8	893.4	1144.1	2726.0	7793.0	12401.0	14058.8	14157.7
80°	718.6	711.5	734.5	723.9	692.1	711.5	1142.3	3241.5	5845.6	6288.8	5893.3
82.5°	522.6	496.1	595.0	566.7	540.2	501.4	630.3	1047.0	1394.8	956.9	672.7
85°	402.5	374.3	452.0	434.3	370.8	256.0	374.3	512.0	565.0	323.1	254.2
87.5°	164.2	173.0	326.6	257.8	217.2	123.6	153.6	204.8	275.4	137.7	105.9
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)