

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: P316664

Luminaire Tested: **GAN-SA0D-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64111 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 640
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

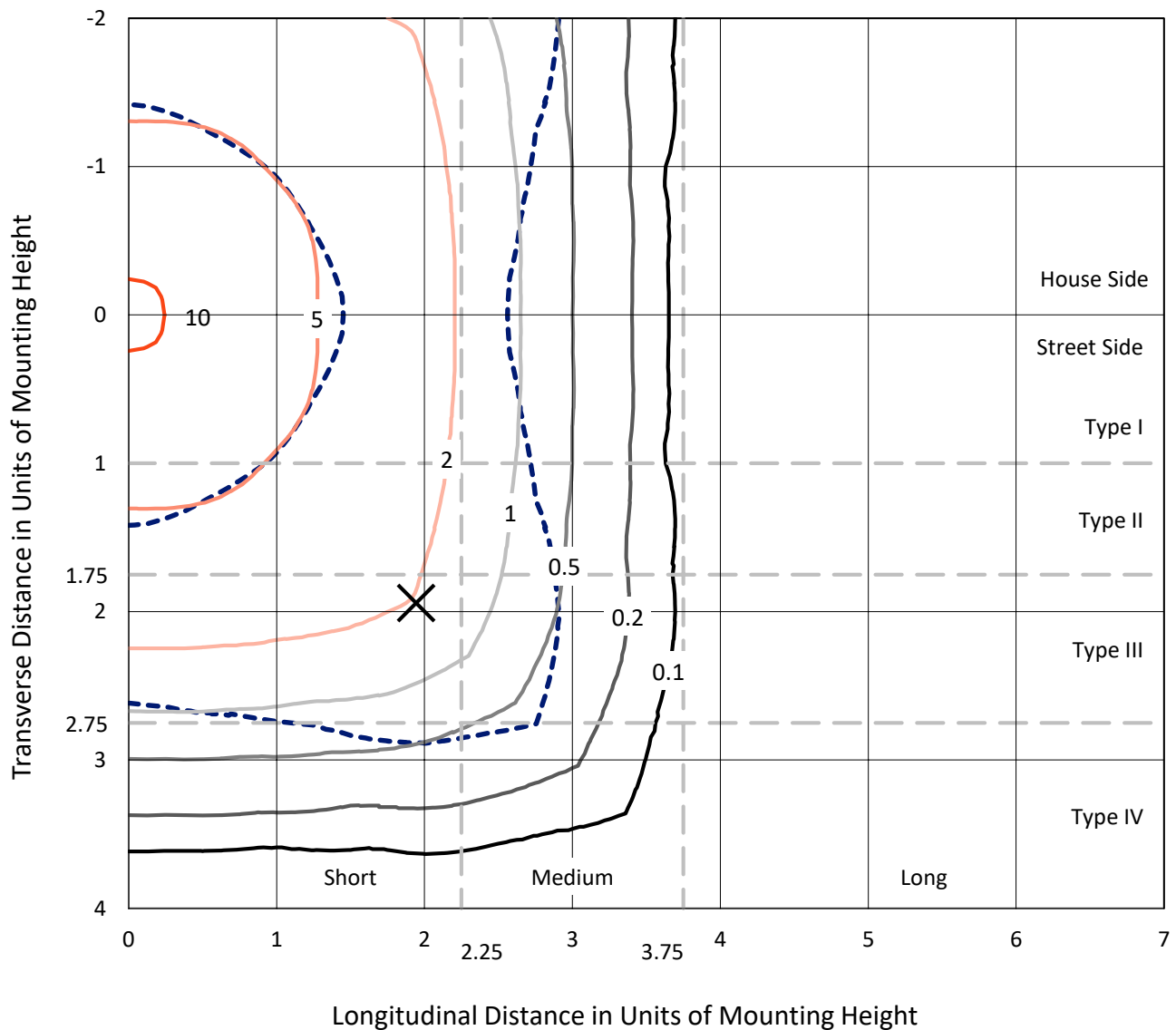


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Iso-Footcandle Lines of Horizontal Illumination

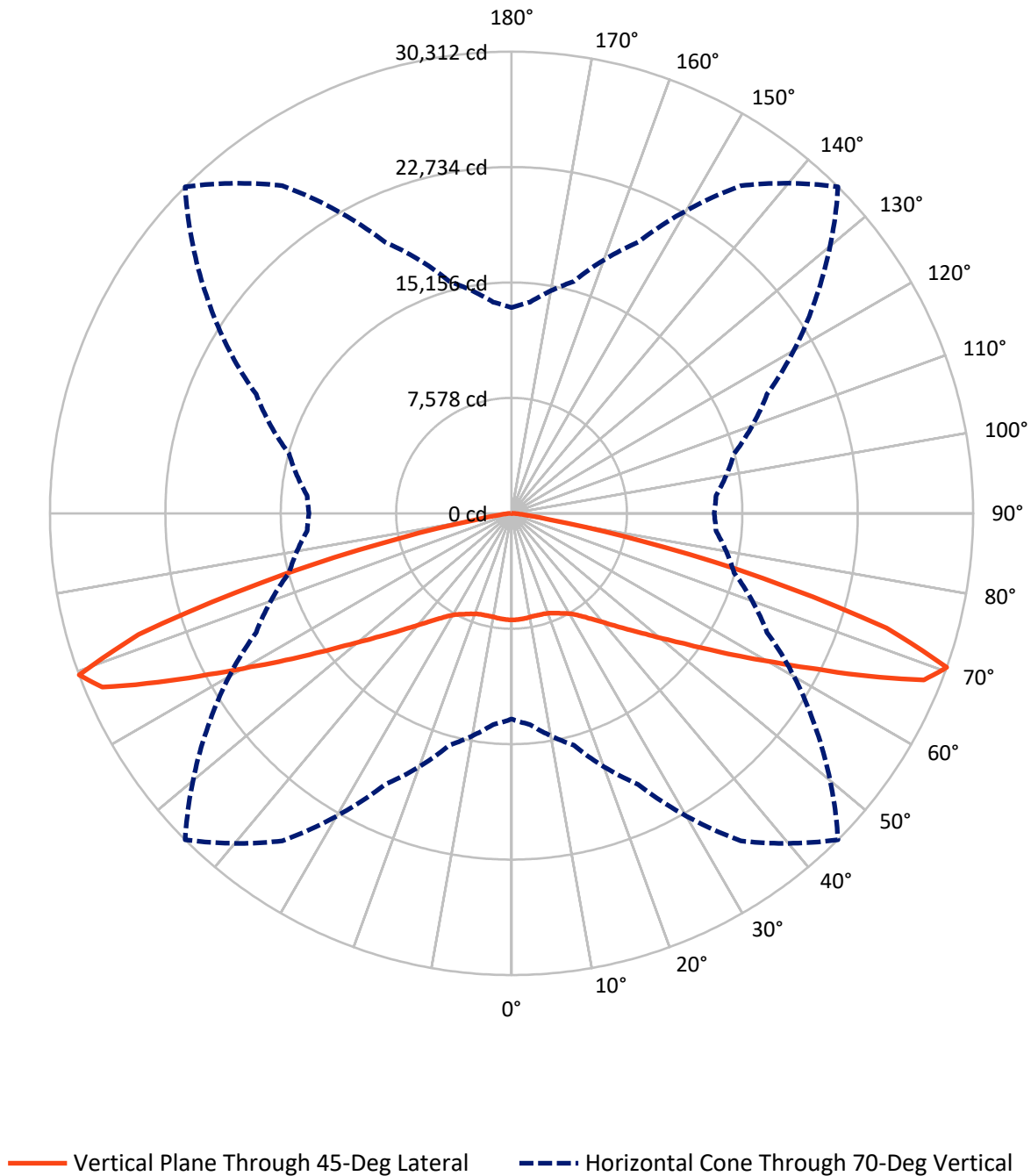
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32055.5	0.0	32055.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32055.5	0.0	32055.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64111.0	0.0	64111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.2	1.0
10°-20°	1946.9	3.0
20°-30°	3314.2	5.2
30°-40°	5256.2	8.2
40°-50°	8553.5	13.3
50°-60°	14103.2	22.0
60°-70°	20704.0	32.3
70°-80°	9155.2	14.3
80°-90°	414.6	0.6
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°	64111.0	100.0
0°-180°	64111.0	100.0

Coefficient of Utilization



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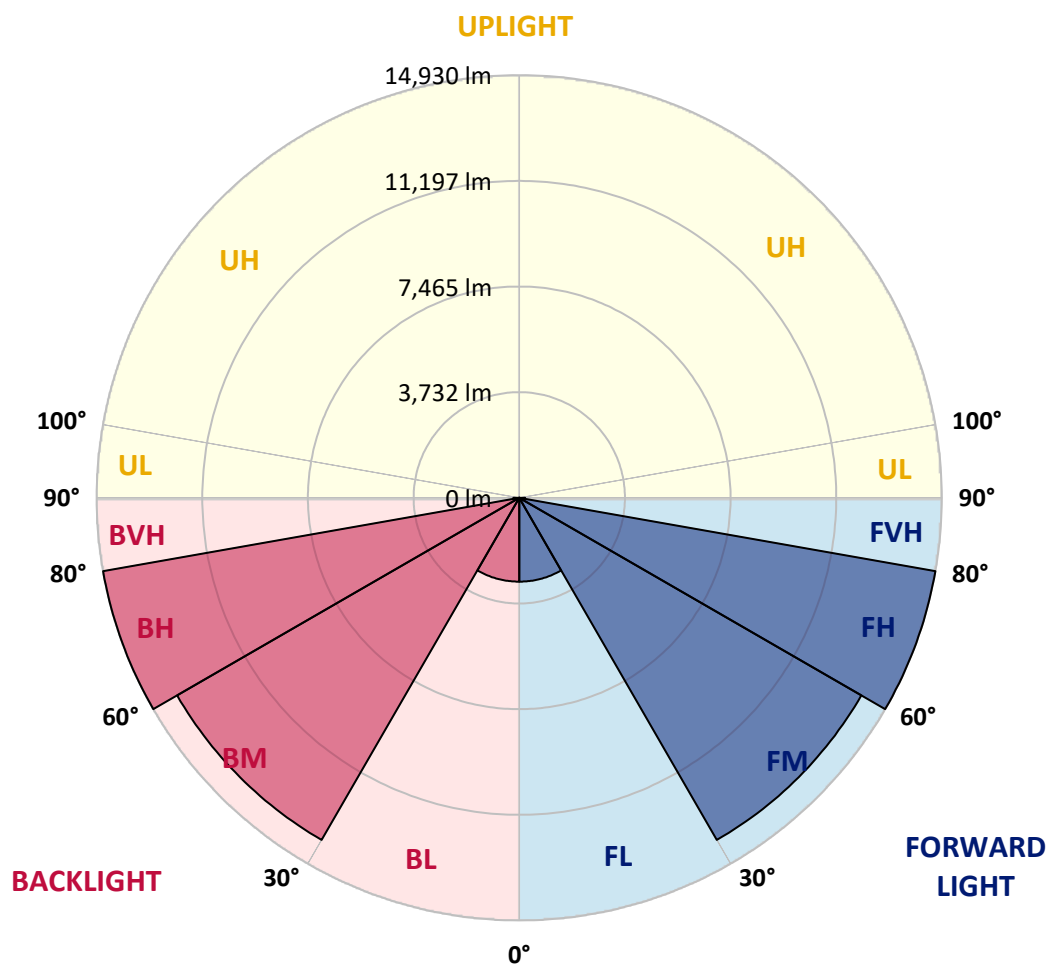
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2962.1	4.6			
FM	(30°-60°)	13956.5	21.8			
FH	(60°-80°)	14929.6	23.3			G5
FVH	(80°-90°)	207.3	0.3			G2/225
BL	(0°-30°)	2962.1	4.6	B4/5000		
BM	(30°-60°)	13956.5	21.8	B5		
BH	(60°-80°)	14929.6	23.3	B5		G5
BVH	(80°-90°)	207.3	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7001.9	7001.9	7001.9	7001.9	7001.9	7001.9	7001.9	7001.9	7001.9	7001.9	7001.9
2.5°	6991.3	6984.9	6999.8	6997.7	6984.9	6987.1	6987.1	6993.4	6993.4	6989.2	6989.2
5°	6965.8	6961.6	6978.6	6978.6	6965.8	6970.1	6974.3	6980.7	6978.6	6974.3	6972.2
7.5°	6934.0	6931.9	6948.9	6948.9	6940.4	6944.6	6940.4	6942.5	6938.3	6934.0	6927.7
10°	6881.0	6885.2	6900.1	6904.3	6904.3	6906.4	6902.2	6891.6	6885.2	6878.9	6872.5
12.5°	6832.2	6830.1	6851.3	6861.9	6878.9	6898.0	6885.2	6855.5	6842.8	6830.1	6825.8
15°	6800.3	6802.5	6823.7	6842.8	6872.5	6912.8	6898.0	6851.3	6825.8	6811.0	6806.7
17.5°	6794.0	6798.2	6825.8	6859.8	6891.6	6936.1	6927.7	6881.0	6838.5	6811.0	6804.6
20°	6808.8	6811.0	6853.4	6902.2	6957.4	6999.8	6980.7	6929.8	6872.5	6830.1	6819.4
22.5°	6836.4	6844.9	6898.0	6974.3	7059.2	7116.5	7093.2	7006.2	6917.0	6864.0	6849.1
25°	6923.4	6925.5	6997.7	7101.6	7203.5	7269.3	7241.7	7118.6	7004.0	6944.6	6925.5
27.5°	7103.8	7110.1	7182.3	7303.2	7390.2	7432.6	7415.7	7315.9	7218.3	7154.7	7161.1
30°	7364.7	7373.2	7453.9	7587.5	7640.6	7651.2	7646.9	7600.3	7511.1	7426.3	7432.6
32.5°	7683.0	7687.3	7795.5	7916.4	7958.8	7967.3	7958.8	7916.4	7810.3	7695.7	7702.1
35°	8092.5	8105.3	8209.2	8325.9	8359.9	8376.8	8362.0	8306.8	8196.5	8084.0	8079.8
37.5°	8597.5	8599.6	8707.8	8828.8	8871.2	8875.5	8858.5	8822.4	8684.5	8582.7	8576.3
40°	9183.1	9191.6	9318.9	9448.3	9465.3	9446.2	9469.6	9448.3	9306.2	9189.5	9208.6
42.5°	9896.0	9915.1	10067.9	10195.2	10146.4	10135.8	10150.7	10157.0	10042.4	9900.3	9887.6
45°	10725.7	10742.6	10933.6	11035.4	11003.6	10933.6	10963.3	11014.2	10855.1	10679.0	10696.0
47.5°	11672.0	11714.4	11918.1	12013.6	11935.1	11839.6	11896.9	11973.3	11786.6	11568.0	11557.4
50°	12724.4	12777.4	13049.0	13182.7	13104.2	12928.1	13023.6	13074.5	12805.0	12522.8	12499.5
52.5°	13846.8	13899.9	14241.5	14517.3	14466.4	14192.7	14326.4	14273.3	13963.5	13583.7	13554.0
55°	15117.8	15139.0	15508.2	15953.8	16004.7	15803.1	15794.6	15707.6	15249.3	14810.1	14788.9
57.5°	16424.8	16439.7	16917.1	17443.3	17683.0	17683.0	17445.4	17260.8	16651.8	16142.6	16089.6
60°	17835.8	17888.8	18417.2	19132.2	19692.4	19857.9	19437.8	18934.9	18272.9	17651.2	17589.7
62.5°	19091.9	19153.4	19961.8	21027.0	21926.6	22529.2	21502.3	20683.2	19478.1	18480.8	18364.1
65°	19251.0	19416.5	20594.1	22522.8	24536.4	25739.5	23770.5	21752.6	19556.6	18171.0	18052.2
67.5°	17581.2	17861.3	19452.6	22454.9	26615.8	29198.0	25219.6	21141.6	18147.7	16615.8	16484.2
70°	13509.5	13916.8	15752.2	19641.4	26257.2	30311.9	24311.5	18508.4	15130.5	13481.9	13297.3
72.5°	7411.4	7579.0	9229.8	13450.0	21050.3	25758.6	20278.0	13685.6	10034.0	8164.7	7854.9
75°	2350.9	2410.4	3250.6	5503.9	11907.5	17061.3	12881.4	6717.6	3698.3	2726.5	2694.7
77.5°	1043.9	1050.3	1175.5	1606.2	4101.4	8644.2	4926.8	1829.0	1260.3	1101.2	1137.3
80°	659.9	659.9	727.8	795.7	1116.1	2510.1	1332.5	869.9	742.6	689.6	704.4
82.5°	316.1	350.1	473.2	509.2	613.2	844.5	683.2	568.6	496.5	369.2	343.7
85°	207.9	174.0	299.2	337.4	356.5	405.3	396.8	375.6	324.6	184.6	205.8
87.5°	93.4	89.1	154.9	142.2	133.7	101.8	152.8	188.8	182.5	91.2	91.2
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)