

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: P317284

Luminaire Tested: **GAN-SA0B-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317284
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-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 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: 45945 lumens
Efficiency: N/A
Efficacy: 109.7 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

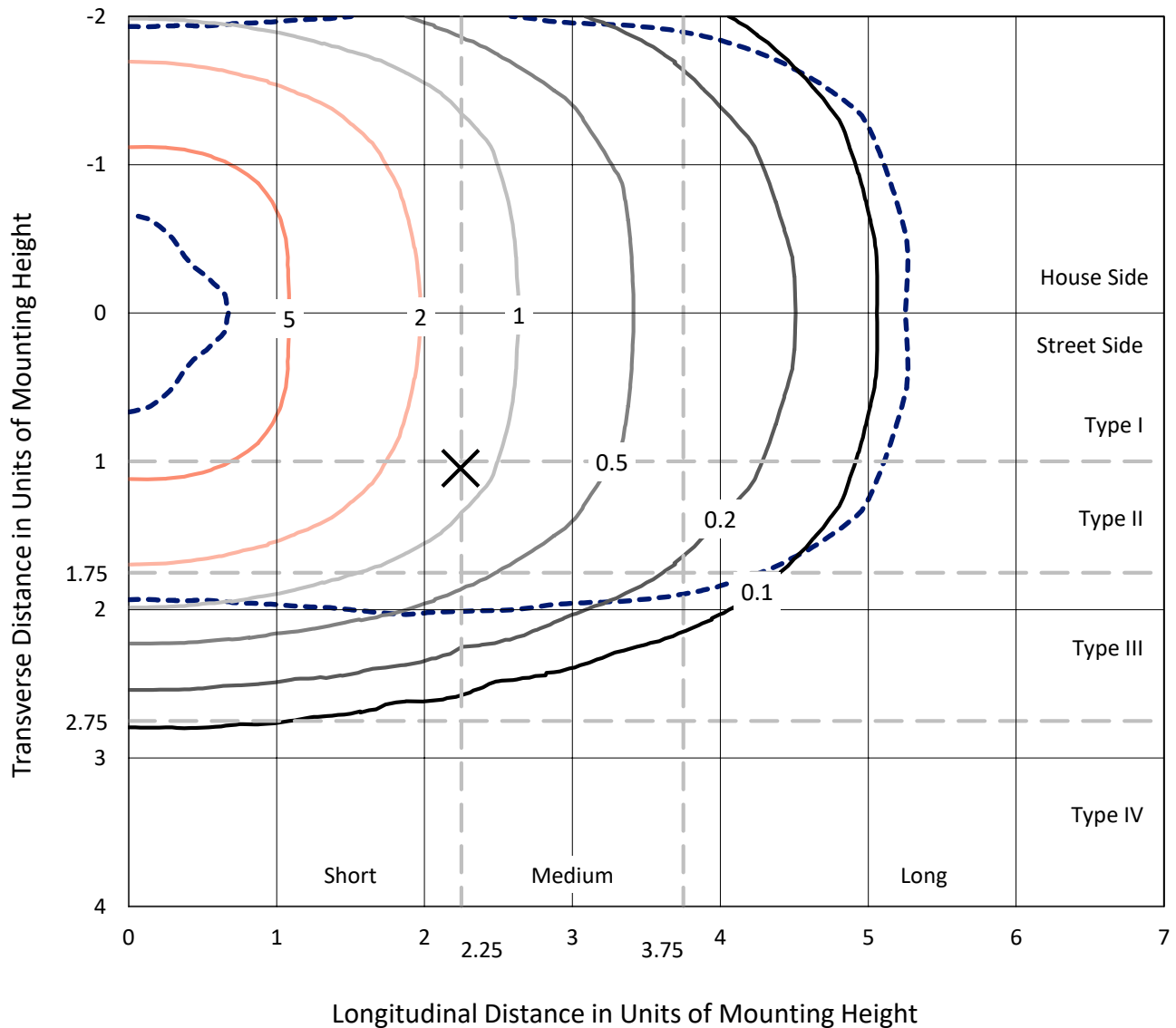


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Iso-Footcandle Lines of Horizontal Illumination

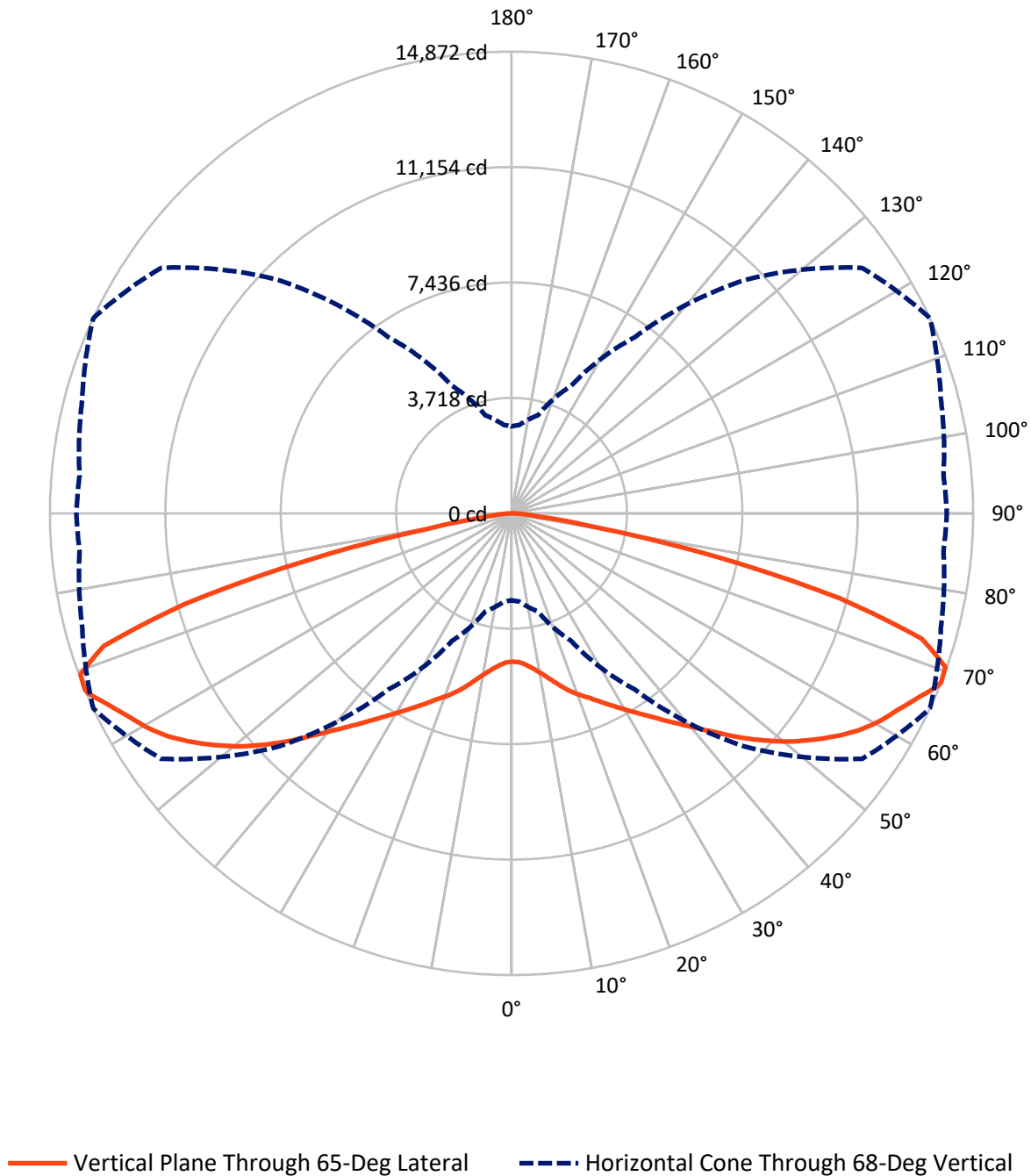
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22972.5	0.0	22972.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22972.5	0.0	22972.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45945.0	0.0	45945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.7	1.0
10°-20°	1566.1	3.4
20°-30°	3053.5	6.6
30°-40°	5129.7	11.2
40°-50°	8082.6	17.6
50°-60°	10809.1	23.5
60°-70°	10507.8	22.9
70°-80°	5744.1	12.5
80°-90°	584.2	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°	45945.0	100.0
0°-180°	45945.0	100.0

Coefficient of Utilization



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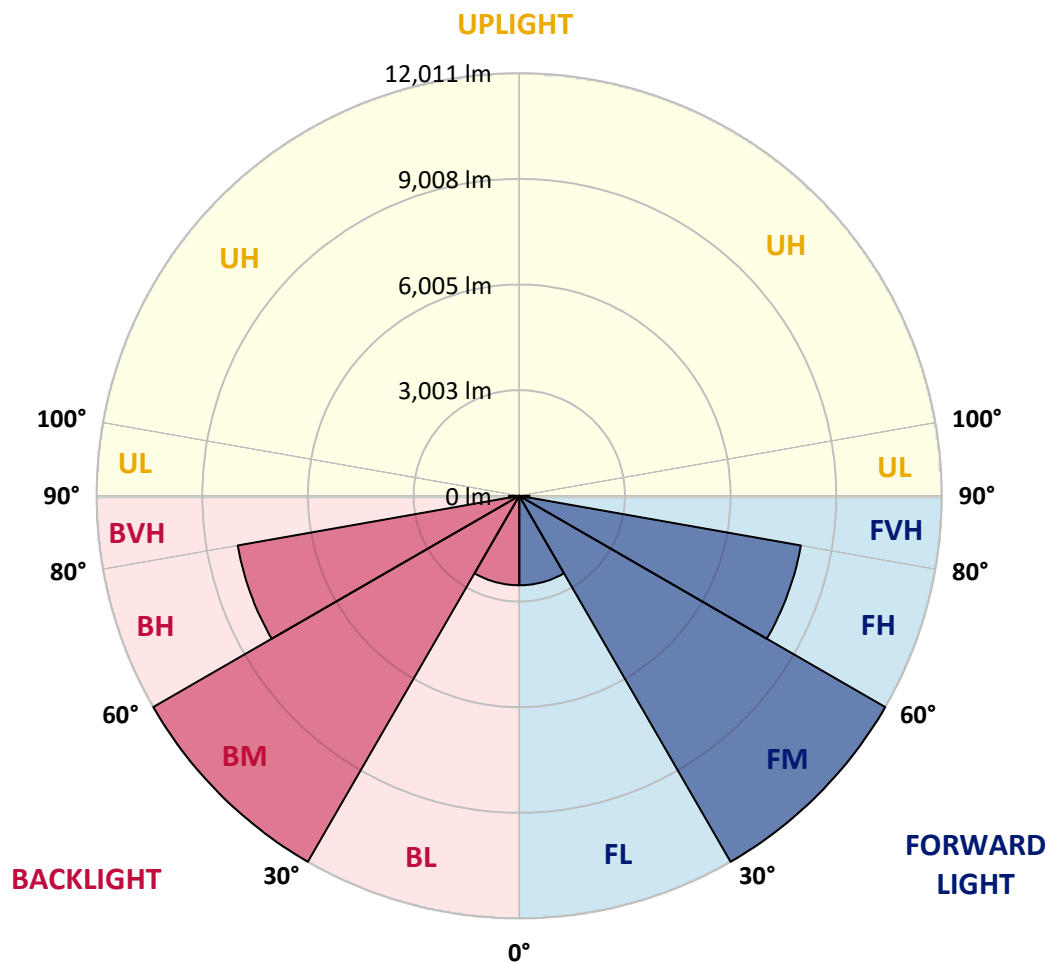
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2543.7	5.5			
FM	(30°-60°)	12010.7	26.1			
FH	(60°-80°)	8126.0	17.7			G4/12000
FVH	(80°-90°)	292.1	0.6			G3/500
BL	(0°-30°)	2543.7	5.5	B4/5000		
BM	(30°-60°)	12010.7	26.1	B5		
BH	(60°-80°)	8126.0	17.7	B5		G5
BVH	(80°-90°)	292.1	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°	4777.2	4777.2	4777.2	4777.2	4777.2	4777.2	4777.2	4777.2	4777.2	4777.2	4777.2
2.5°	4743.3	4744.8	4752.6	4761.8	4769.5	4789.5	4794.1	4801.8	4804.9	4812.6	4812.6
5°	4701.7	4704.8	4723.3	4747.9	4775.7	4825.0	4860.4	4900.4	4920.5	4942.0	4940.5
7.5°	4697.1	4704.8	4731.0	4771.0	4817.3	4898.9	4972.8	5053.0	5106.9	5156.2	5153.1
10°	4744.8	4757.2	4794.1	4854.2	4923.5	5025.2	5134.6	5242.4	5336.4	5411.9	5415.0
12.5°	4817.3	4832.7	4891.2	4982.1	5086.8	5217.8	5347.2	5468.9	5598.3	5710.8	5720.0
15°	4912.8	4932.8	5020.6	5156.2	5316.4	5472.0	5610.6	5735.4	5884.8	6040.4	6055.8
17.5°	5054.5	5082.2	5197.8	5381.1	5592.1	5763.1	5908.0	6001.9	6126.7	6286.9	6316.2
20°	5270.2	5305.6	5452.0	5670.7	5928.0	6106.7	6217.6	6237.6	6299.2	6442.5	6476.4
22.5°	5550.5	5581.4	5744.7	6005.0	6293.1	6487.2	6545.7	6465.6	6459.5	6575.0	6607.4
25°	5863.3	5891.0	6080.5	6373.2	6682.8	6897.0	6895.4	6739.8	6632.0	6721.4	6755.2
27.5°	6214.5	6257.7	6439.4	6747.5	7078.8	7289.8	7277.5	7037.2	6832.3	6855.4	6884.7
30°	6618.1	6665.9	6843.1	7155.8	7487.0	7693.4	7678.0	7360.7	7052.6	6990.9	7012.5
32.5°	7118.8	7175.8	7343.7	7651.8	7944.5	8130.9	8086.3	7711.9	7317.5	7183.5	7203.5
35°	7721.2	7755.1	7932.2	8235.7	8472.9	8600.8	8506.8	8118.6	7653.4	7491.6	7491.6
37.5°	8331.2	8357.4	8556.1	8850.4	9079.9	9147.7	8964.4	8563.8	8092.4	7862.9	7867.5
40°	8916.6	8987.5	9210.9	9512.8	9739.3	9757.7	9514.3	9072.2	8580.8	8343.5	8371.3
42.5°	9528.2	9597.5	9864.0	10206.0	10406.3	10437.1	10152.1	9642.2	9132.3	8939.7	8970.5
45°	10073.6	10129.0	10437.1	10834.6	11084.1	11164.3	10826.9	10295.4	9728.5	9540.5	9548.2
47.5°	10454.1	10526.5	10865.4	11333.7	11697.3	11820.5	11489.3	10931.6	10315.4	10087.4	10107.4
50°	10799.2	10837.7	11181.2	11692.7	12154.8	12409.0	12125.6	11560.2	10908.5	10666.7	10688.2
52.5°	10991.7	11041.0	11373.8	11906.8	12453.7	12863.5	12690.9	12125.6	11481.6	11245.9	11272.1
55°	10857.7	10894.7	11293.7	11954.6	12638.5	13143.8	13170.0	12678.6	12043.9	11837.5	11911.4
57.5°	10247.6	10293.9	10780.7	11646.4	12661.7	13333.3	13530.5	13191.6	12569.2	12401.3	12444.4
60°	9294.0	9323.3	9842.5	10816.1	12211.8	13411.9	13760.1	13610.6	13083.8	12915.8	12974.4
62.5°	7594.8	7638.0	8258.8	9563.6	11261.3	13179.3	13981.9	13957.2	13562.9	13408.8	13461.2
65°	5191.6	5267.1	5954.2	7604.1	9796.3	12467.5	14183.7	14360.9	13986.5	13792.4	13861.7
67.5°	3135.0	3190.4	3688.0	5020.6	7496.2	11031.8	13975.7	14819.9	14285.4	13972.7	14029.7
68°	2802.2	2853.1	3269.0	4530.7	6933.9	10626.6	13786.2	14872.3	14317.7	13969.6	14020.4
70°	1693.0	1726.9	2005.8	2800.7	4623.1	8429.8	12493.7	14829.2	14524.2	14012.7	14042.0
72.5°	1103.0	1113.8	1160.0	1437.3	2361.6	4714.0	9377.2	13818.6	14833.8	14263.8	14259.2
75°	916.6	910.5	915.1	947.4	1164.6	2067.4	5479.7	10916.2	14140.6	13867.9	13770.8
77.5°	774.9	770.3	768.7	770.3	779.5	998.3	2378.6	6799.9	10820.7	12267.3	12353.5
80°	627.0	620.8	640.9	631.6	603.9	620.8	996.7	2828.4	5100.7	5487.4	5142.3
82.5°	456.0	432.9	519.2	494.5	471.4	437.5	550.0	913.5	1217.0	835.0	586.9
85°	351.2	326.6	394.4	379.0	323.5	223.4	326.6	446.8	493.0	281.9	221.8
87.5°	143.3	151.0	285.0	224.9	189.5	107.8	134.0	178.7	240.3	120.2	92.4
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)