

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: P316344

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64282 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

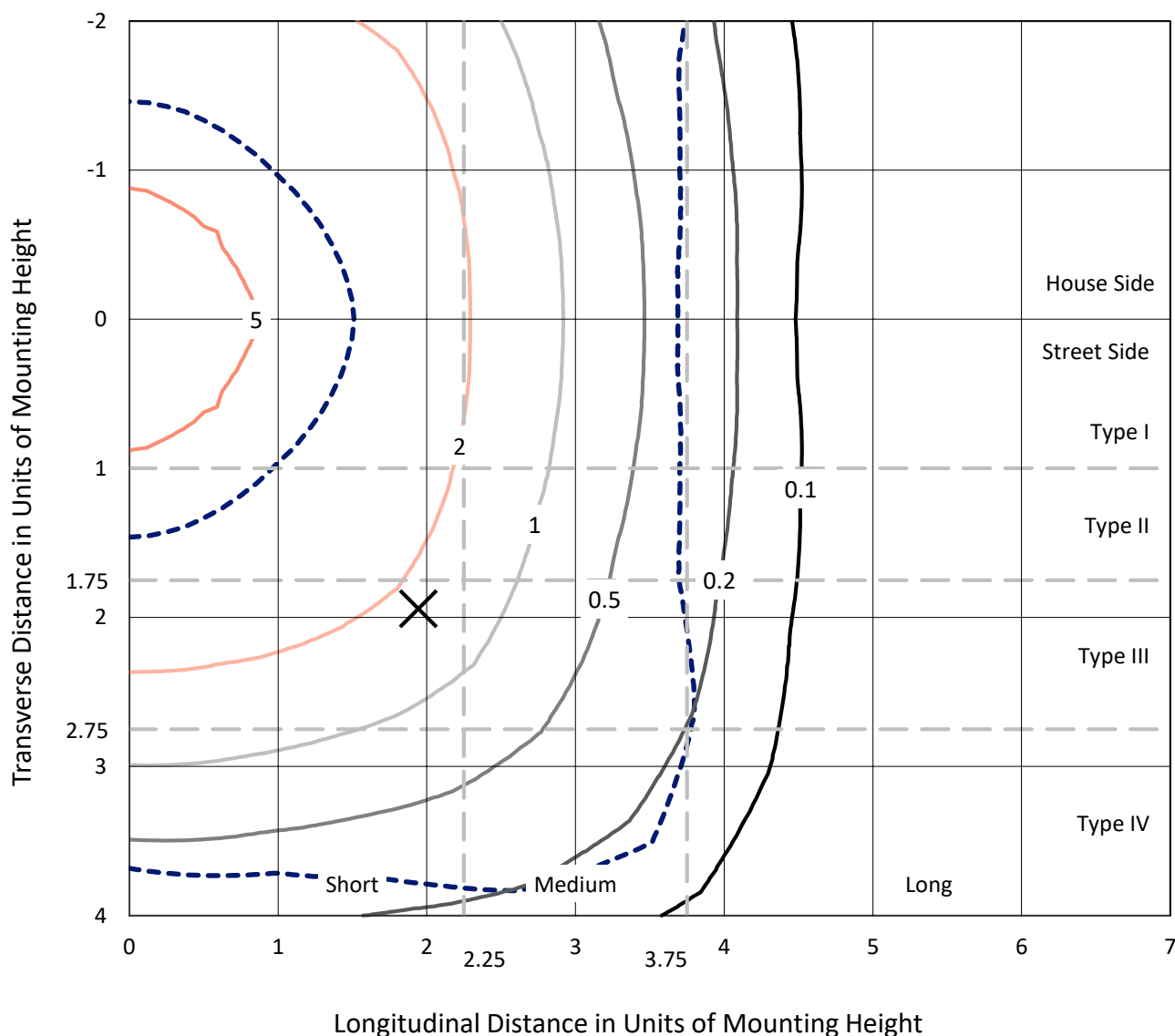
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

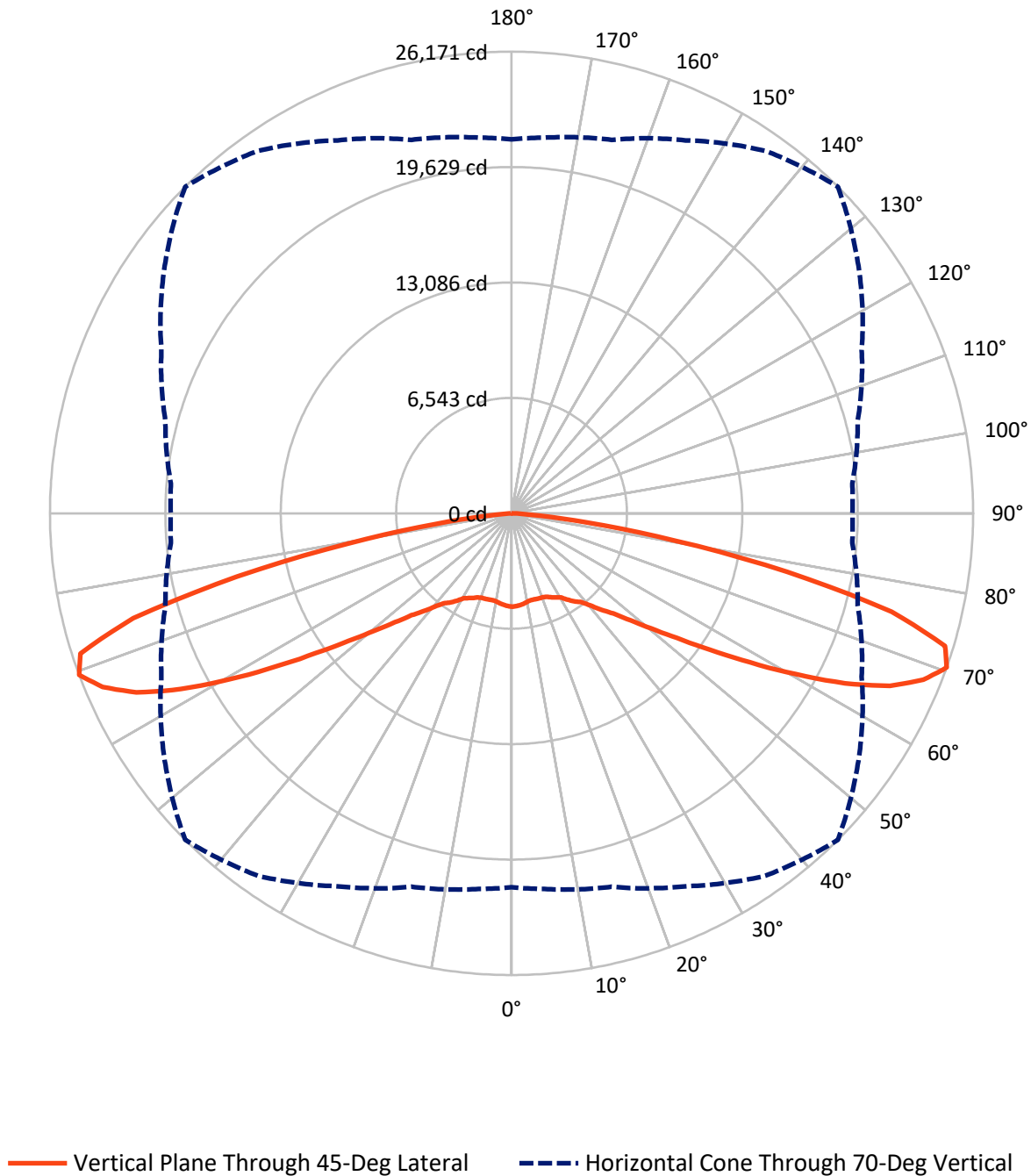
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	32141.0	0.0	32141.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32141.0	0.0	32141.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	64282.0	0.0	64282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.8	0.8
10°-20°	1442.3	2.2
20°-30°	2459.1	3.8
30°-40°	3842.4	6.0
40°-50°	6512.1	10.1
50°-60°	11875.2	18.5
60°-70°	20444.0	31.8
70°-80°	16024.8	24.9
80°-90°	1188.2	1.8
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°	64282.0	100.0
0°-180°	64282.0	100.0

Coefficient of Utilization



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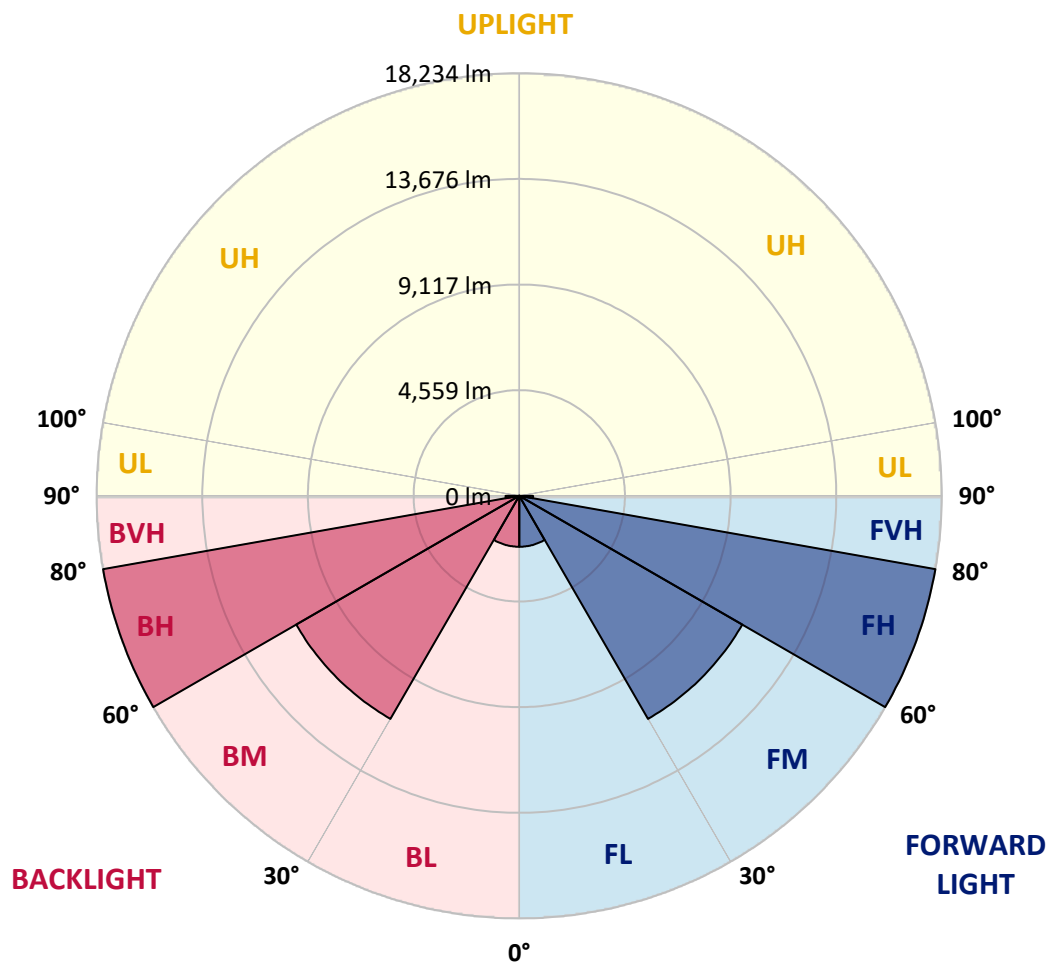
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2197.6	3.4			
FM	(30°-60°)	11114.9	17.3			
FH	(60°-80°)	18234.4	28.4			G5
FVH	(80°-90°)	594.1	0.9			G4/750
BL	(0°-30°)	2197.6	3.4	B3/2500		
BM	(30°-60°)	11114.9	17.3	B5		
BH	(60°-80°)	18234.4	28.4	B5		G5
BVH	(80°-90°)	594.1	0.9			G4/750
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°	5290.4	5290.4	5290.4	5290.4	5290.4	5290.4	5290.4	5290.4	5290.4	5290.4	5290.4
2.5°	5267.0	5273.4	5267.0	5271.3	5260.6	5264.9	5264.9	5264.9	5262.8	5264.9	5260.6
5°	5220.2	5224.5	5216.0	5220.2	5213.9	5220.2	5222.4	5220.2	5216.0	5218.1	5209.6
7.5°	5150.1	5154.3	5148.0	5154.3	5145.8	5156.5	5154.3	5148.0	5141.6	5141.6	5133.1
10°	5111.8	5113.9	5096.9	5090.5	5071.4	5075.7	5082.0	5088.4	5094.8	5107.5	5105.4
12.5°	5113.9	5113.9	5088.4	5060.8	5033.1	5039.5	5050.1	5073.5	5099.0	5122.4	5124.6
15°	5135.2	5133.1	5094.8	5050.1	5031.0	5050.1	5056.5	5071.4	5111.8	5152.2	5154.3
17.5°	5150.1	5150.1	5090.5	5039.5	5037.4	5067.1	5065.0	5071.4	5116.1	5175.6	5177.7
20°	5177.7	5177.7	5101.2	5045.9	5045.9	5077.8	5079.9	5090.5	5135.2	5201.1	5211.7
22.5°	5239.4	5241.5	5160.7	5116.1	5120.3	5139.4	5145.8	5162.8	5203.2	5275.5	5288.3
25°	5326.6	5330.8	5247.9	5222.4	5237.3	5273.4	5269.2	5281.9	5326.6	5396.7	5409.5
27.5°	5447.8	5437.1	5360.6	5350.0	5364.8	5390.4	5388.2	5390.4	5426.5	5490.3	5505.2
30°	5605.1	5600.9	5545.6	5552.0	5545.6	5537.1	5539.2	5556.2	5575.4	5626.4	5641.3
32.5°	5758.2	5762.5	5728.5	5760.3	5807.1	5839.0	5790.1	5743.3	5722.1	5749.7	5762.5
35°	6034.6	6045.3	5992.1	5970.9	6034.6	6128.2	5990.0	5913.4	5956.0	5992.1	6002.8
37.5°	6504.6	6511.0	6421.6	6336.6	6289.8	6379.1	6240.9	6247.3	6396.1	6464.2	6462.0
40°	7040.4	7042.5	6983.0	6908.6	6827.8	6849.0	6793.8	6810.8	6908.6	6970.3	6987.3
42.5°	7678.3	7672.0	7578.4	7472.1	7448.7	7470.0	7376.4	7363.6	7476.3	7586.9	7589.0
45°	8505.5	8490.6	8369.4	8252.5	8139.8	8093.0	8069.6	8131.3	8286.5	8388.5	8390.7
47.5°	9396.4	9356.0	9292.3	9198.7	9100.9	9054.1	9015.8	9045.6	9158.3	9198.7	9202.9
50°	10312.9	10321.4	10334.2	10298.0	10261.9	10247.0	10147.1	10089.6	10123.7	10049.2	10038.6
52.5°	11399.5	11416.5	11539.8	11644.0	11705.7	11737.6	11548.3	11350.6	11240.0	11095.4	11052.9
55°	12681.7	12709.3	12890.1	13179.3	13477.0	13634.3	13292.0	12922.0	12579.6	12309.6	12222.4
57.5°	14110.6	14159.5	14408.3	14963.3	15573.6	15945.7	15367.3	14695.4	14034.1	13644.9	13576.9
60°	15786.2	15833.0	16177.5	16972.7	17961.5	18520.7	17644.6	16545.3	15722.4	15350.3	15224.8
62.5°	17780.7	17785.0	18208.1	19137.4	20443.0	21221.2	20034.7	18565.4	17716.9	17268.3	17147.1
65°	19926.2	19936.9	20374.9	21378.6	22728.8	23575.1	22235.5	20704.5	19666.8	19005.5	18912.0
67.5°	21442.4	21487.0	21948.4	23156.2	24419.3	25182.6	23796.2	22065.4	20866.1	20077.2	19998.5
70°	21199.9	21374.3	21916.5	23326.3	25082.7	26171.4	24049.3	21903.8	20321.8	19390.4	19324.5
72.5°	18488.8	18822.7	19545.6	21395.6	24204.5	25703.6	22669.3	19617.9	17827.5	17034.4	16915.3
75°	12590.3	13132.5	14223.3	16891.9	20679.0	22254.6	19084.2	15641.6	13957.5	12860.3	12779.5
77.5°	5613.6	5737.0	7119.1	10191.7	14270.1	15981.8	13866.1	10232.1	7680.5	6126.1	5798.6
80°	1565.0	1584.1	2113.6	3795.6	7142.5	9390.1	7667.7	3987.0	2241.2	1579.9	1488.5
82.5°	497.6	540.1	659.2	984.5	2400.7	4284.6	2464.5	1063.2	757.0	603.9	544.4
85°	242.4	240.3	333.8	399.8	612.4	948.4	652.8	493.3	431.7	287.1	259.4
87.5°	102.1	104.2	155.2	140.3	178.6	153.1	210.5	221.1	231.8	127.6	110.6
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)