

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: P316963

Luminaire Tested: **GAN-SA9B-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41877 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

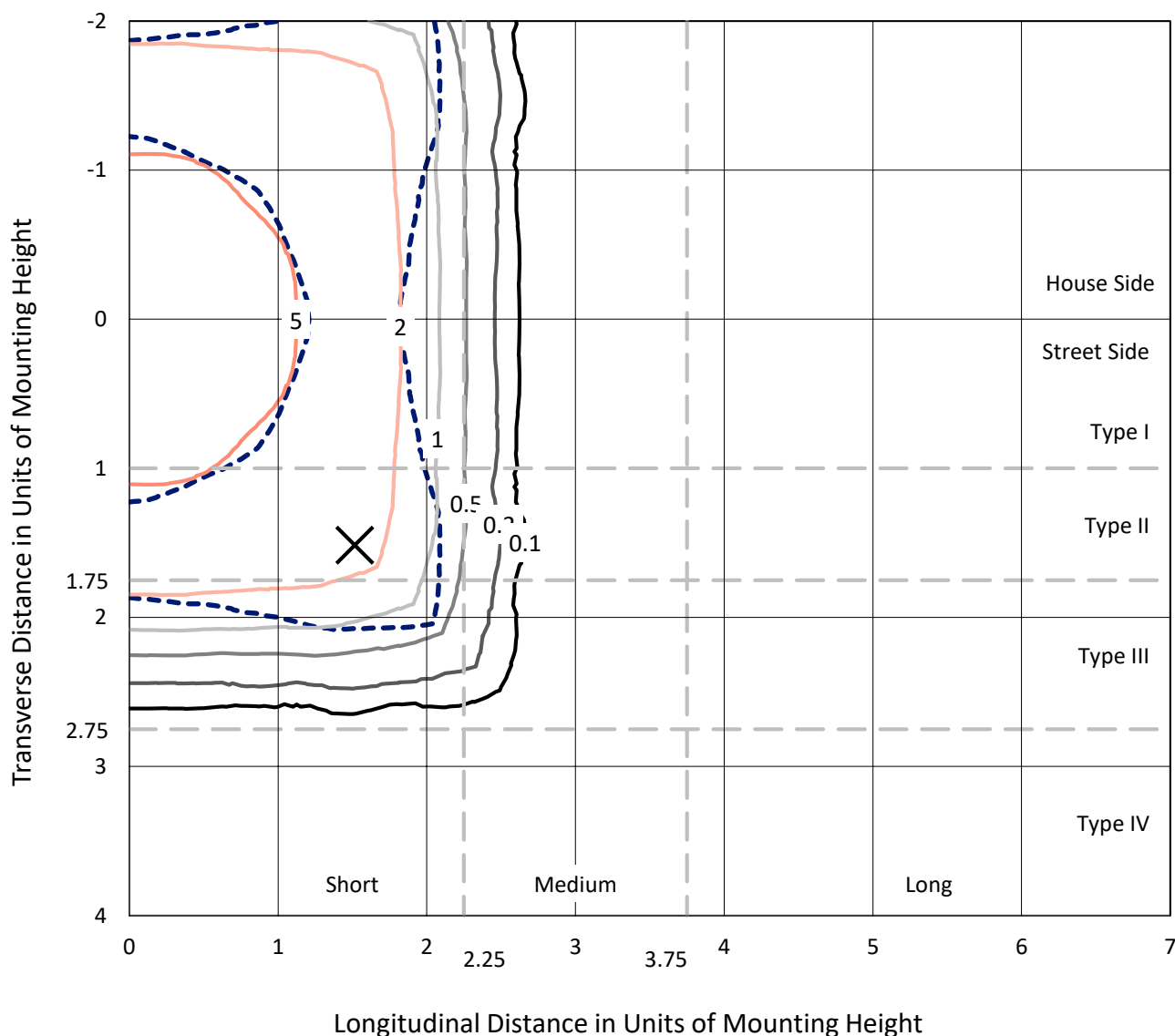
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

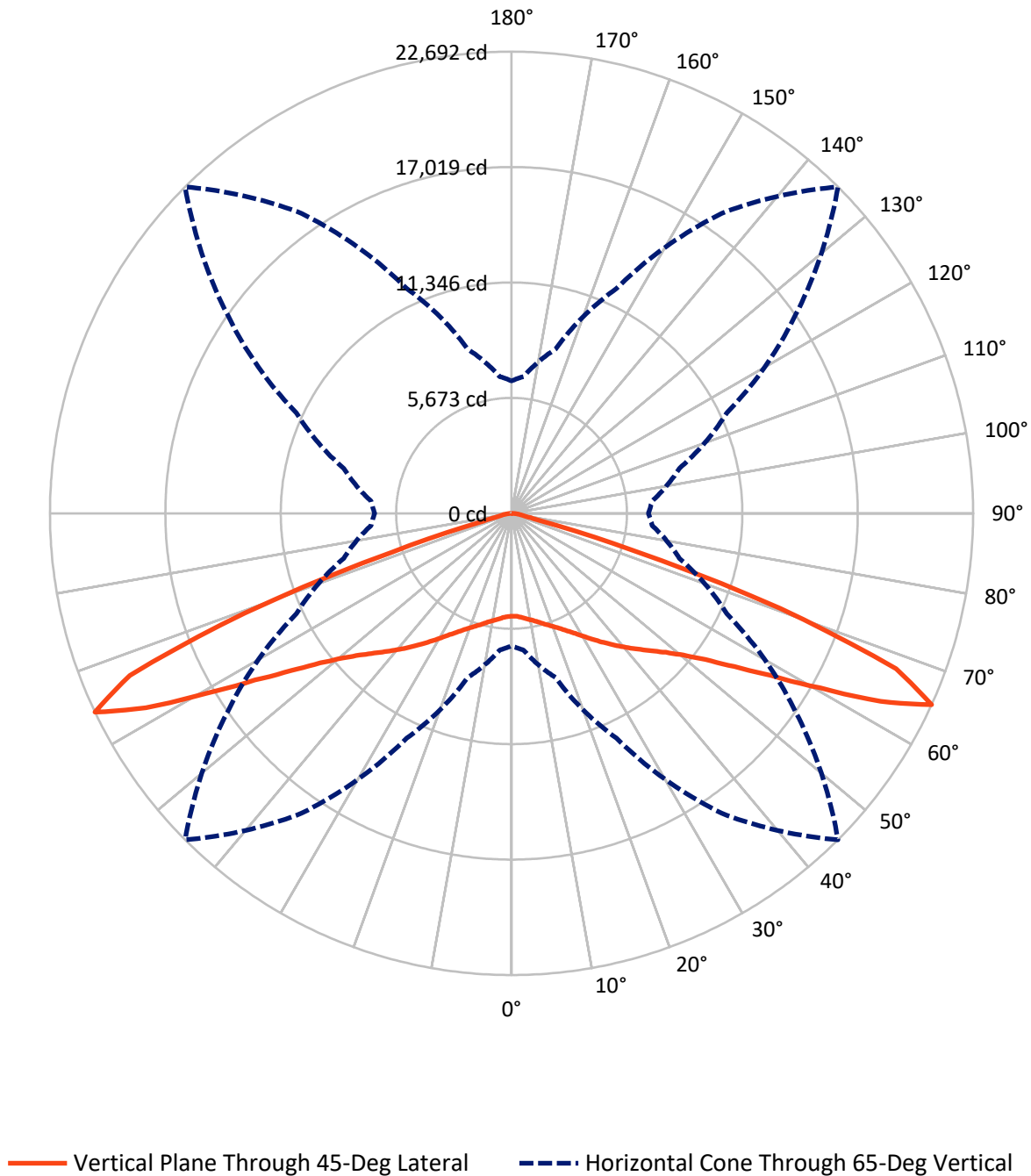
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	20938.5	0.0	20938.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20938.5	0.0	20938.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41877.0	0.0	41877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.2	1.2
10°-20°	1594.8	3.8
20°-30°	2992.2	7.1
30°-40°	4948.5	11.8
40°-50°	7664.6	18.3
50°-60°	11755.4	28.1
60°-70°	10969.1	26.2
70°-80°	1276.6	3.0
80°-90°	179.4	0.4
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°	41877.0	100.0
0°-180°	41877.0	100.0

Coefficient of Utilization



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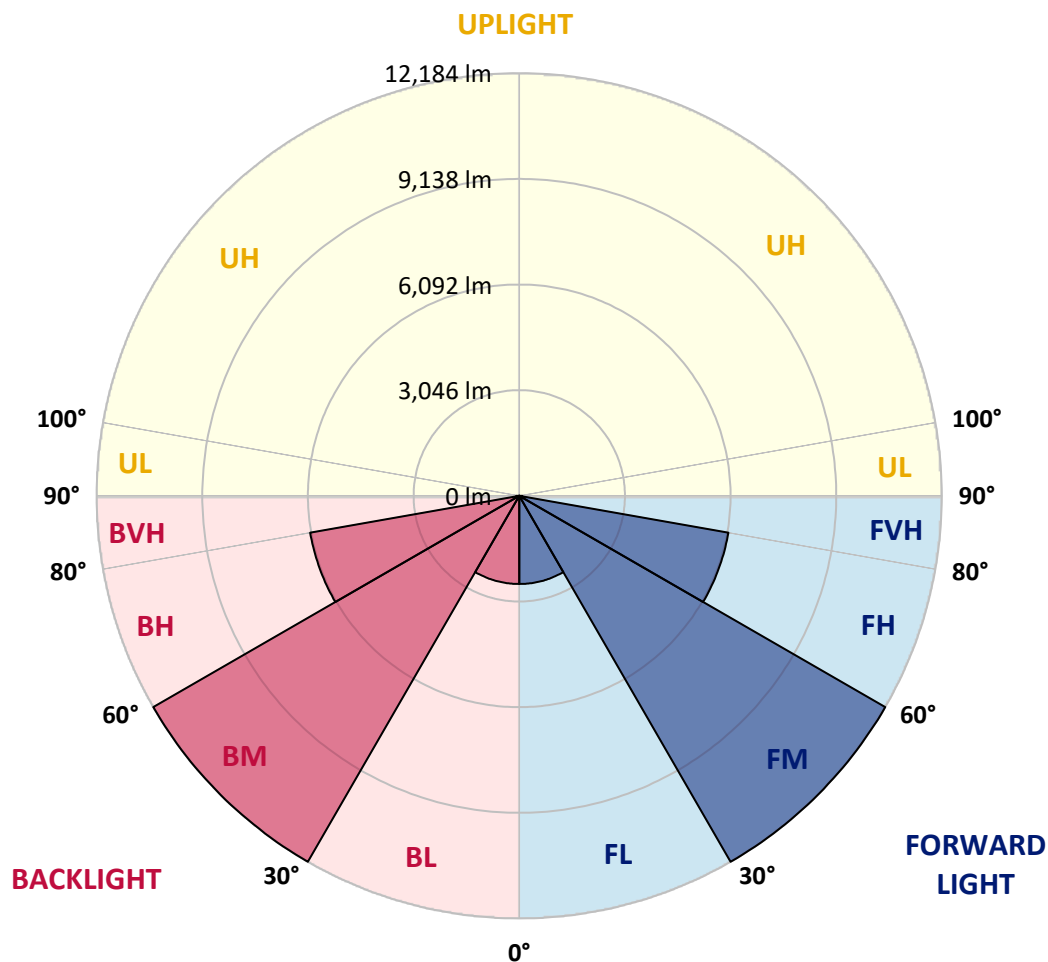
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2541.6	6.1			
FM	(30°-60°)	12184.3	29.1			
FH	(60°-80°)	6122.9	14.6			G3/7500
FVH	(80°-90°)	89.7	0.2			G1/100
BL	(0°-30°)	2541.6	6.1	B4/5000		
BM	(30°-60°)	12184.3	29.1	B5		
BH	(60°-80°)	6122.9	14.6	B5		G3/7500
BVH	(80°-90°)	89.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5057.2	5057.2	5057.2	5057.2	5057.2	5057.2	5057.2	5057.2	5057.2	5057.2	5057.2
2.5°	5073.9	5071.1	5073.9	5075.2	5066.9	5071.1	5069.7	5076.6	5079.4	5076.6	5076.6
5°	5132.2	5128.1	5133.6	5140.6	5129.5	5132.2	5128.1	5136.4	5139.2	5133.6	5137.8
7.5°	5212.9	5214.3	5219.8	5232.3	5225.4	5230.9	5222.6	5224.0	5222.6	5214.3	5215.6
10°	5300.4	5301.8	5311.6	5328.2	5331.0	5331.0	5325.5	5321.3	5315.7	5310.2	5311.6
12.5°	5406.1	5413.0	5420.0	5440.8	5440.8	5452.0	5449.2	5438.1	5428.3	5420.0	5420.0
15°	5549.3	5547.9	5556.2	5577.1	5586.8	5604.9	5604.9	5589.6	5577.1	5568.7	5566.0
17.5°	5699.4	5703.6	5709.1	5734.2	5749.4	5770.3	5773.1	5760.6	5752.2	5741.1	5734.2
20°	5874.6	5881.5	5903.7	5913.5	5927.4	5946.8	5953.8	5951.0	5942.7	5937.1	5938.5
22.5°	6078.9	6097.0	6110.9	6124.8	6141.5	6155.4	6162.3	6172.0	6163.7	6159.5	6156.7
25°	6326.3	6338.8	6366.7	6391.7	6402.8	6407.0	6415.3	6429.2	6427.8	6418.1	6418.1
27.5°	6607.1	6630.8	6665.5	6701.7	6701.7	6687.8	6715.6	6739.2	6730.9	6718.3	6701.7
30°	6947.7	6970.0	7010.3	7060.3	7035.3	7025.6	7063.1	7106.2	7093.7	7072.8	7070.0
32.5°	7314.7	7335.5	7388.4	7442.6	7410.6	7396.7	7437.0	7499.6	7477.3	7435.6	7410.6
35°	7712.3	7733.1	7808.2	7873.5	7819.3	7795.7	7829.0	7897.1	7858.2	7780.4	7760.9
37.5°	8144.6	8155.7	8253.0	8319.7	8282.2	8219.7	8261.4	8311.4	8278.0	8183.5	8146.0
40°	8593.6	8633.9	8746.5	8824.3	8759.0	8660.3	8729.8	8799.3	8749.3	8628.3	8564.4
42.5°	9117.7	9148.2	9298.4	9367.9	9262.2	9123.2	9217.7	9312.3	9262.2	9145.5	9089.9
45°	9662.6	9709.8	9889.2	9958.7	9805.8	9629.2	9744.6	9910.0	9905.8	9737.6	9679.3
47.5°	10256.1	10303.4	10517.5	10609.2	10443.8	10207.5	10370.1	10603.7	10587.0	10402.1	10354.8
50°	10941.5	10991.5	11258.4	11373.8	11219.5	10944.2	11188.9	11394.6	11364.1	11136.1	11140.2
52.5°	11801.9	11799.2	12131.4	12331.6	12173.1	11929.8	12155.0	12355.2	12228.7	11913.1	11903.4
55°	12555.4	12601.2	13012.7	13392.2	13382.5	13289.3	13379.7	13388.0	13026.6	12606.8	12555.4
57.5°	13050.2	13137.8	13717.5	14404.2	14918.5	15042.3	14867.1	14336.1	13489.5	12818.1	12736.1
60°	12745.8	12879.3	13789.8	15189.6	16704.8	17431.8	16443.5	14796.2	13129.5	12193.9	12082.7
62.5°	10691.2	10916.4	12249.5	14810.1	18242.3	20367.7	17586.1	14058.1	11697.7	10409.1	10218.6
65°	6511.2	6748.9	8355.9	12189.8	17993.4	22692.0	17064.8	11668.5	8538.0	6935.2	6729.5
67.5°	2169.9	2239.4	3186.1	6737.8	14141.5	20388.6	14165.1	6985.2	3715.7	2463.3	2391.0
70°	849.4	856.3	1010.6	1953.1	6678.0	14003.9	7368.9	1987.8	1056.5	835.4	853.5
72.5°	624.2	626.9	670.0	816.0	1740.4	6169.3	1803.0	820.2	652.0	585.2	585.2
75°	501.8	501.8	532.4	595.0	779.8	1415.1	791.0	588.0	510.2	467.1	461.5
77.5°	396.2	404.5	428.2	468.5	528.2	681.1	547.7	465.7	411.5	371.2	362.8
80°	294.7	303.0	342.0	361.4	379.5	472.6	404.5	364.2	325.3	278.0	269.7
82.5°	193.2	201.6	250.2	261.3	257.2	308.6	272.5	268.3	239.1	179.3	171.0
85°	126.5	129.3	166.8	173.8	159.9	140.4	173.8	183.5	166.8	116.8	112.6
87.5°	59.8	59.8	84.8	79.2	72.3	58.4	79.2	93.1	94.5	57.0	55.6
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)