

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: P316980

Luminaire Tested: **GAN-SA6D-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316980
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-SA6D-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38040 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

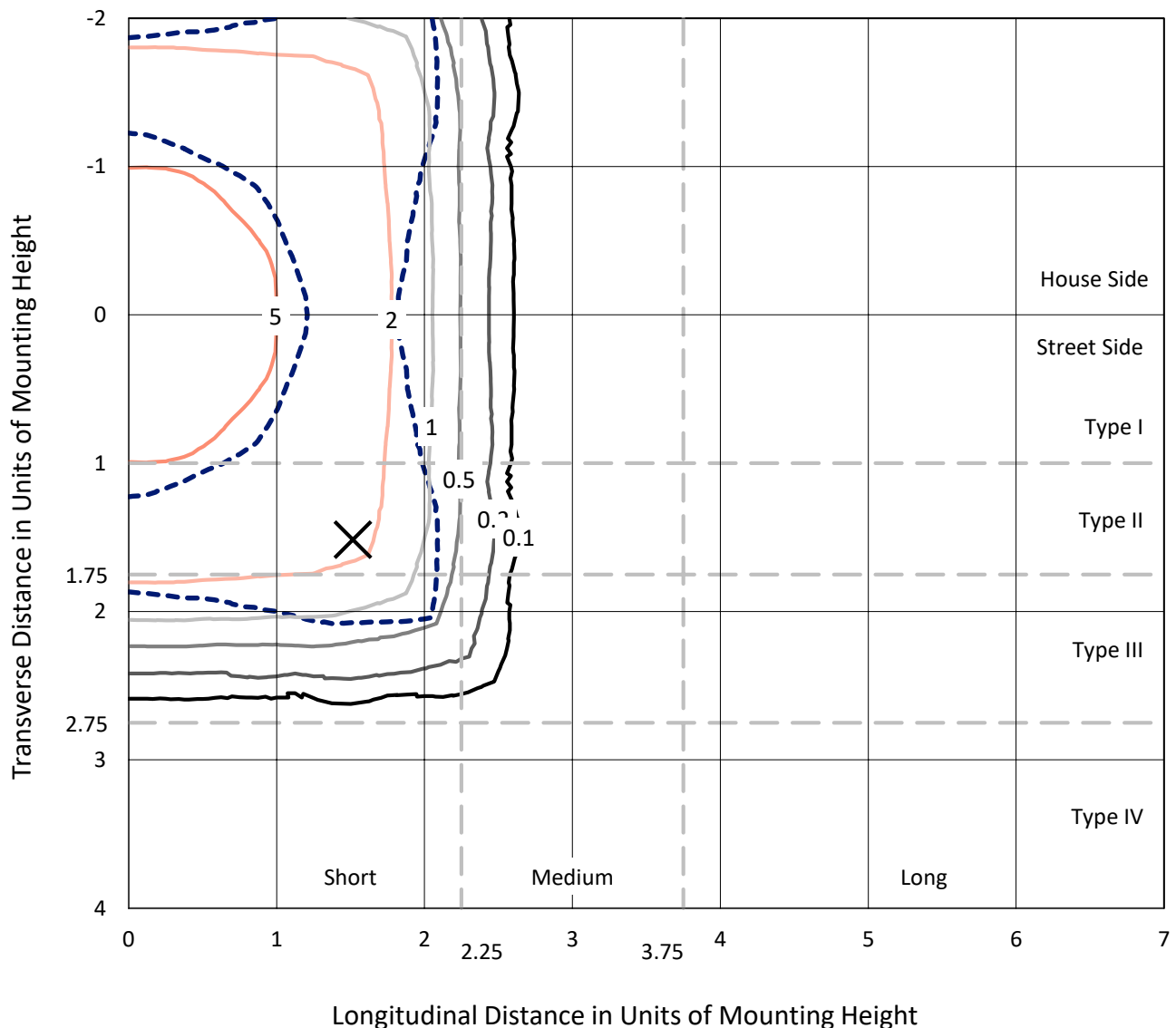
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

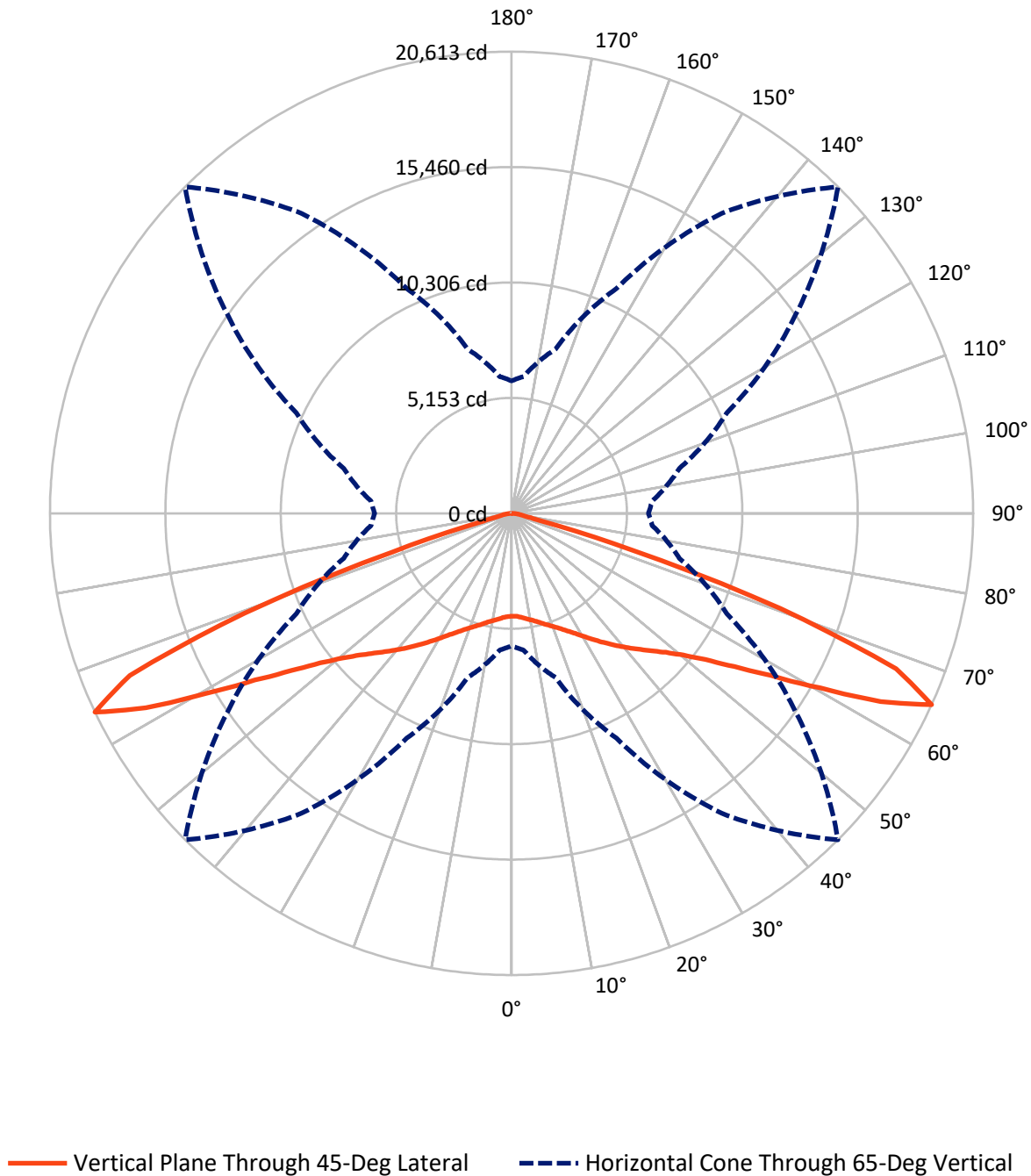
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	19020.0	0.0	19020.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19020.0	0.0	19020.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38040.0	0.0	38040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.7	1.2
10°-20°	1448.7	3.8
20°-30°	2718.1	7.1
30°-40°	4495.1	11.8
40°-50°	6962.4	18.3
50°-60°	10678.3	28.1
60°-70°	9964.1	26.2
70°-80°	1159.7	3.0
80°-90°	162.9	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°	38040.0	100.0
0°-180°	38040.0	100.0

Coefficient of Utilization



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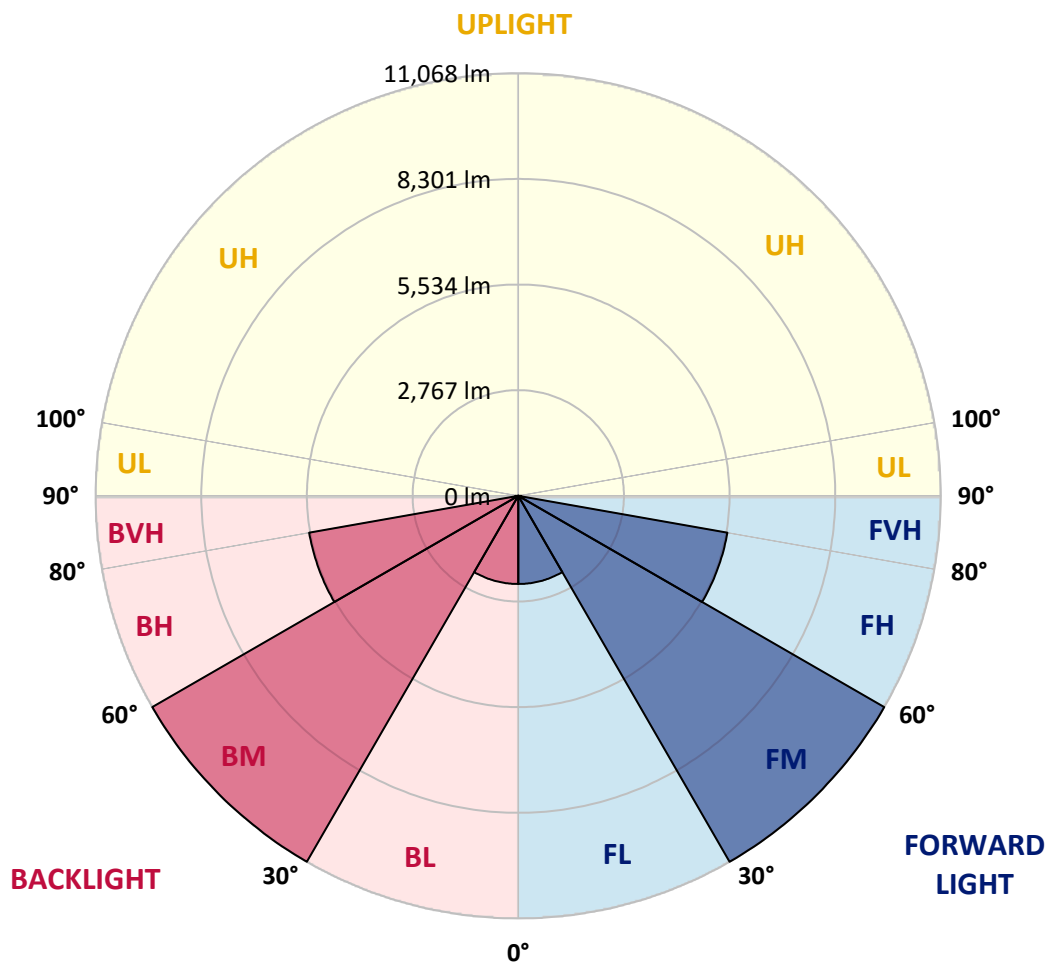
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2308.7	6.1			
FM	(30°-60°)	11067.9	29.1			
FH	(60°-80°)	5561.9	14.6			G3/7500
FVH	(80°-90°)	81.5	0.2			G1/100
BL	(0°-30°)	2308.7	6.1	B3/2500		
BM	(30°-60°)	11067.9	29.1	B5		
BH	(60°-80°)	5561.9	14.6	B5		G3/7500
BVH	(80°-90°)	81.5	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°	4593.8	4593.8	4593.8	4593.8	4593.8	4593.8	4593.8	4593.8	4593.8	4593.8	4593.8
2.5°	4609.0	4606.4	4609.0	4610.2	4602.7	4606.4	4605.2	4611.5	4614.0	4611.5	4611.5
5°	4662.0	4658.2	4663.3	4669.6	4659.5	4662.0	4658.2	4665.8	4668.3	4663.3	4667.1
7.5°	4735.2	4736.5	4741.6	4752.9	4746.6	4751.7	4744.1	4745.3	4744.1	4736.5	4737.8
10°	4814.8	4816.1	4824.9	4840.0	4842.6	4842.6	4837.5	4833.7	4828.7	4823.6	4824.9
12.5°	4910.8	4917.1	4923.4	4942.3	4942.3	4952.4	4949.9	4939.8	4931.0	4923.4	4923.4
15°	5040.8	5039.6	5047.1	5066.1	5074.9	5091.3	5091.3	5077.4	5066.1	5058.5	5056.0
17.5°	5177.2	5181.0	5186.0	5208.8	5222.7	5241.6	5244.1	5232.8	5225.2	5215.1	5208.8
20°	5336.3	5342.6	5362.8	5371.7	5384.3	5402.0	5408.3	5405.7	5398.2	5393.1	5394.4
22.5°	5521.9	5538.3	5551.0	5563.6	5578.7	5591.4	5597.7	5606.5	5598.9	5595.2	5592.6
25°	5746.7	5758.0	5783.3	5806.0	5816.1	5819.9	5827.5	5840.1	5838.9	5830.0	5830.0
27.5°	6001.8	6023.2	6054.8	6087.6	6087.6	6075.0	6100.2	6121.7	6114.1	6102.8	6087.6
30°	6311.1	6331.3	6367.9	6413.4	6390.7	6381.8	6415.9	6455.1	6443.7	6424.8	6422.2
32.5°	6644.5	6663.4	6711.4	6760.7	6731.6	6719.0	6755.6	6812.4	6792.2	6754.3	6731.6
35°	7005.6	7024.6	7092.8	7152.1	7102.9	7081.4	7111.7	7173.6	7138.2	7067.5	7049.8
37.5°	7398.3	7408.4	7496.8	7557.4	7523.3	7466.5	7504.4	7549.9	7519.6	7433.7	7399.6
40°	7806.2	7842.8	7945.1	8015.8	7956.5	7866.8	7929.9	7993.1	7947.6	7837.8	7779.7
42.5°	8282.2	8310.0	8446.4	8509.5	8413.6	8287.3	8373.2	8459.0	8413.6	8307.5	8257.0
45°	8777.2	8820.2	8983.1	9046.2	8907.3	8746.9	8851.7	9002.0	8998.2	8845.4	8792.4
47.5°	9316.4	9359.4	9553.8	9637.2	9486.9	9272.2	9420.0	9632.1	9617.0	9449.0	9406.1
50°	9938.9	9984.4	10226.9	10331.7	10191.5	9941.5	10163.7	10350.6	10322.8	10115.7	10119.5
52.5°	10720.6	10718.1	11019.8	11201.7	11057.7	10836.7	11041.3	11223.1	11108.2	10821.6	10812.8
55°	11405.0	11446.6	11820.4	12165.1	12156.3	12071.7	12153.8	12161.4	11833.0	11451.7	11405.0
57.5°	11854.5	11934.1	12460.6	13084.4	13551.6	13664.0	13504.9	13022.5	12253.5	11643.6	11569.1
60°	11578.0	11699.2	12526.3	13797.9	15174.2	15834.6	14936.8	13440.5	11926.5	11076.7	10975.6
62.5°	9711.7	9916.2	11127.2	13453.1	16570.8	18501.5	15974.8	12770.0	10625.9	9455.3	9282.3
65°	5914.6	6130.6	7590.3	11072.9	16344.8	20612.8	15501.3	10599.4	7755.7	6299.8	6112.9
67.5°	1971.1	2034.3	2894.2	6120.5	12845.8	18520.5	12867.2	6345.2	3375.3	2237.6	2171.9
70°	771.5	777.8	918.0	1774.1	6066.2	12720.7	6693.7	1805.7	959.7	758.9	775.3
72.5°	567.0	569.5	608.6	741.2	1580.9	5604.0	1637.8	745.0	592.2	531.6	531.6
75°	455.8	455.8	483.6	540.4	708.4	1285.5	718.5	534.1	463.4	424.3	419.2
77.5°	359.9	367.5	388.9	425.5	479.8	618.7	497.5	423.0	373.8	337.1	329.6
80°	267.7	275.3	310.6	328.3	344.7	429.3	367.5	330.8	295.5	252.5	245.0
82.5°	175.5	183.1	227.3	237.4	233.6	280.3	247.5	243.7	217.2	162.9	155.3
85°	114.9	117.4	151.5	157.8	145.2	127.5	157.8	166.7	151.5	106.1	102.3
87.5°	54.3	54.3	77.0	72.0	65.7	53.0	72.0	84.6	85.9	51.8	50.5
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)