

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: P316973

Luminaire Tested: **GAN-SA9C-830-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316973
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-SA9C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51831 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

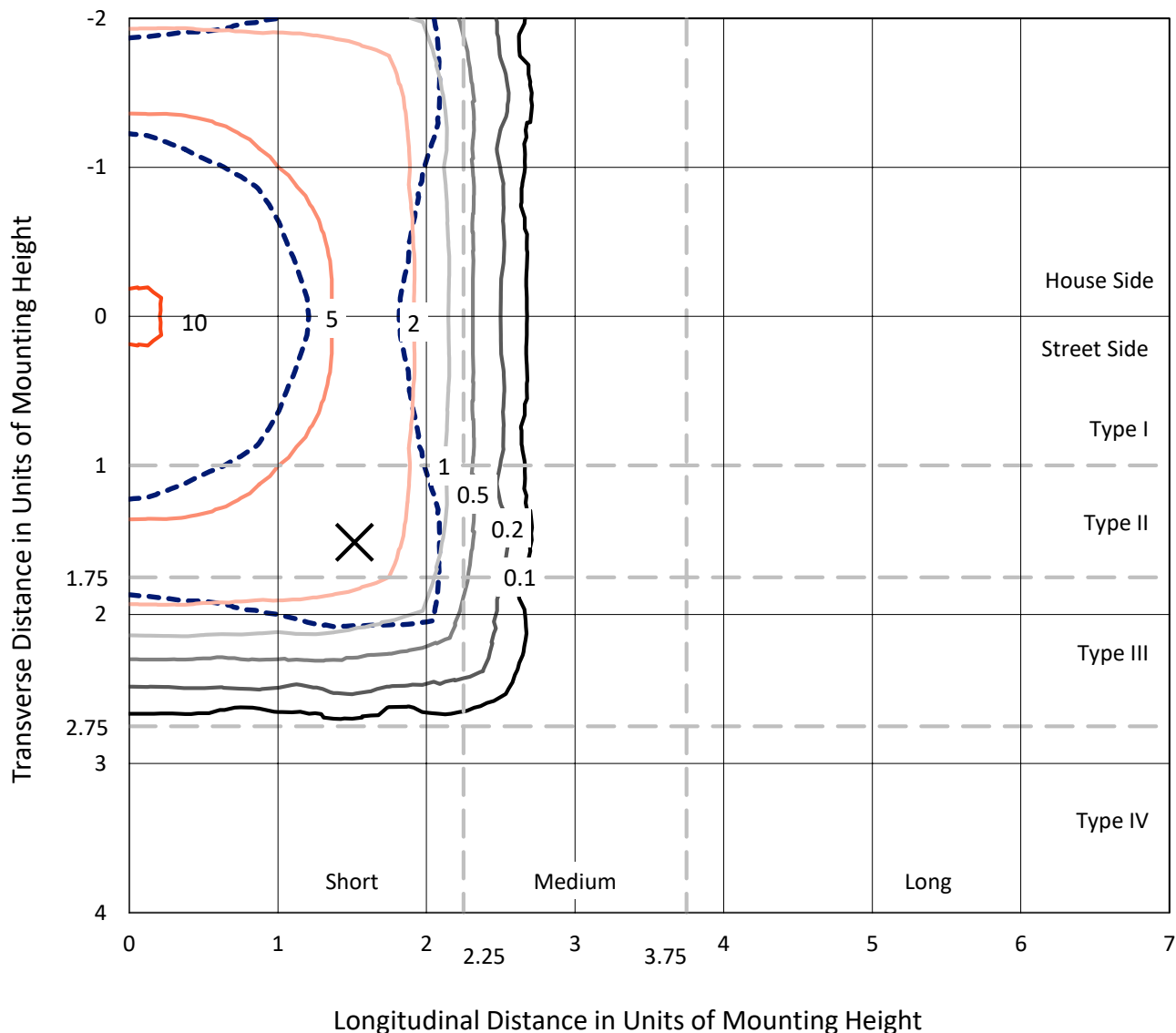
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

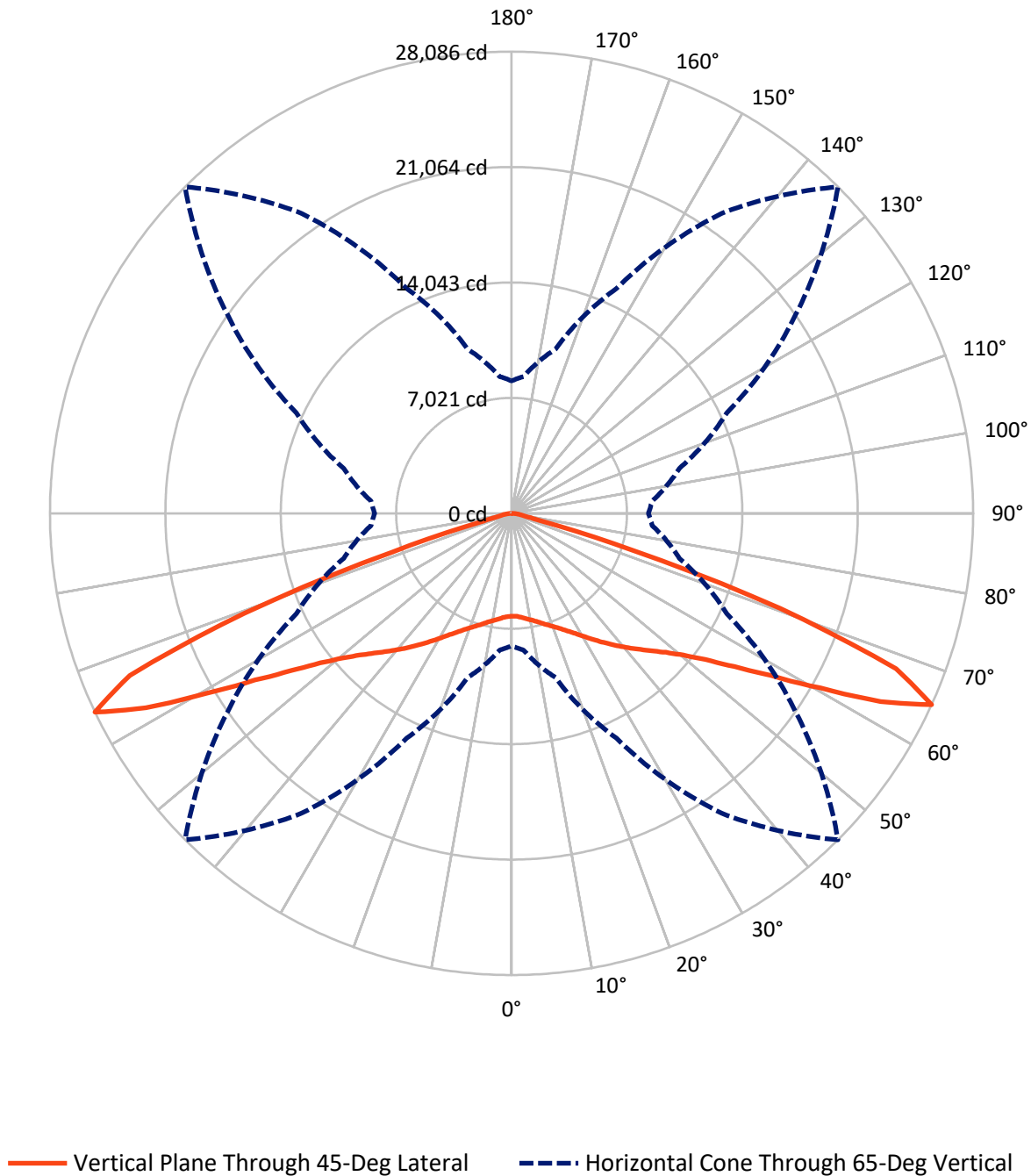
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	25915.5	0.0	25915.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25915.5	0.0	25915.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51831.0	0.0	51831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.1	1.2
10°-20°	1973.9	3.8
20°-30°	3703.5	7.1
30°-40°	6124.8	11.8
40°-50°	9486.5	18.3
50°-60°	14549.6	28.1
60°-70°	13576.4	26.2
70°-80°	1580.1	3.0
80°-90°	222.0	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°	51831.0	100.0
0°-180°	51831.0	100.0

Coefficient of Utilization



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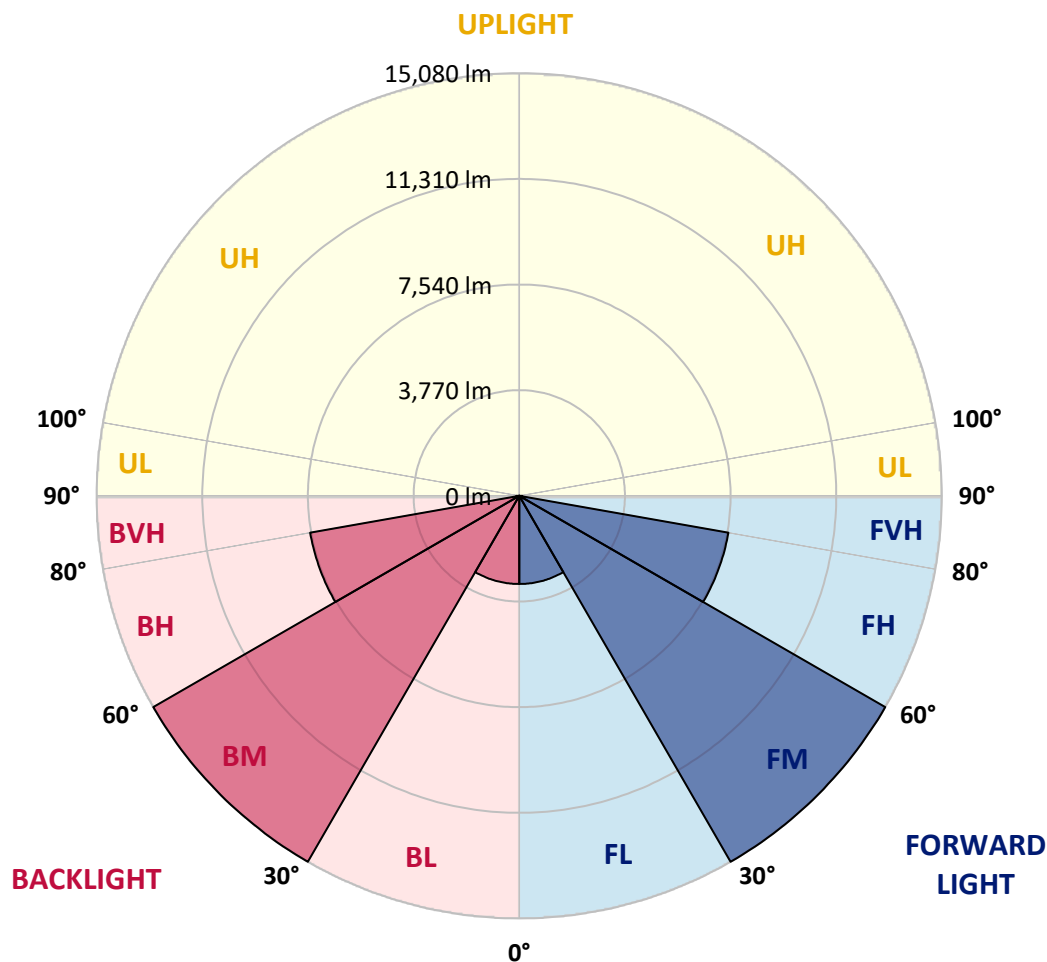
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3145.8	6.1			
FM	(30°-60°)	15080.5	29.1			
FH	(60°-80°)	7578.3	14.6			G4/12000
FVH	(80°-90°)	111.0	0.2			G2/225
BL	(0°-30°)	3145.8	6.1	B4/5000		
BM	(30°-60°)	15080.5	29.1	B5		
BH	(60°-80°)	7578.3	14.6	B5		G4/12000
BVH	(80°-90°)	111.0	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6259.2	6259.2	6259.2	6259.2	6259.2	6259.2	6259.2	6259.2	6259.2	6259.2	6259.2
2.5°	6279.9	6276.5	6279.9	6281.6	6271.3	6276.5	6274.7	6283.3	6286.8	6283.3	6283.3
5°	6352.2	6347.0	6353.9	6362.5	6348.7	6352.2	6347.0	6357.3	6360.8	6353.9	6359.0
7.5°	6451.9	6453.7	6460.6	6476.0	6467.4	6474.3	6464.0	6465.7	6464.0	6453.7	6455.4
10°	6560.3	6562.1	6574.1	6594.8	6598.2	6598.2	6591.3	6586.1	6579.3	6572.4	6574.1
12.5°	6691.1	6699.7	6708.3	6734.1	6734.1	6747.9	6744.4	6730.7	6718.6	6708.3	6708.3
15°	6868.3	6866.6	6876.9	6902.7	6914.8	6937.1	6937.1	6918.2	6902.7	6892.4	6889.0
17.5°	7054.1	7059.3	7066.2	7097.1	7116.1	7141.9	7145.3	7129.8	7119.5	7105.7	7097.1
20°	7270.9	7279.5	7307.0	7319.1	7336.3	7360.4	7369.0	7365.5	7355.2	7348.3	7350.1
22.5°	7523.8	7546.2	7563.4	7580.6	7601.3	7618.5	7627.1	7639.1	7628.8	7623.6	7620.2
25°	7830.1	7845.6	7880.0	7910.9	7924.7	7929.9	7940.2	7957.4	7955.7	7943.6	7943.6
27.5°	8177.6	8206.9	8249.9	8294.6	8294.6	8277.4	8311.8	8341.1	8330.8	8315.3	8294.6
30°	8599.2	8626.7	8676.6	8738.5	8707.5	8695.5	8742.0	8795.3	8779.8	8754.0	8750.6
32.5°	9053.4	9079.2	9144.6	9211.7	9172.1	9154.9	9204.8	9282.2	9254.7	9203.1	9172.1
35°	9545.4	9571.2	9664.2	9745.0	9677.9	9648.7	9690.0	9774.3	9726.1	9629.7	9605.7
37.5°	10080.5	10094.3	10214.7	10297.3	10250.9	10173.4	10225.0	10287.0	10245.7	10128.7	10082.2
40°	10636.3	10686.1	10825.5	10921.9	10841.0	10718.8	10804.9	10890.9	10828.9	10679.3	10600.1
42.5°	11284.9	11322.7	11508.6	11594.6	11463.8	11291.8	11408.8	11525.8	11463.8	11319.3	11250.5
45°	11959.3	12017.8	12239.8	12325.8	12136.5	11918.0	12060.8	12265.6	12260.4	12052.2	11980.0
47.5°	12694.0	12752.5	13017.4	13131.0	12926.3	12633.8	12835.1	13124.1	13103.5	12874.6	12816.1
50°	13542.2	13604.1	13934.5	14077.3	13886.3	13545.6	13848.5	14103.1	14065.2	13783.1	13788.2
52.5°	14607.2	14603.8	15015.0	15262.7	15066.6	14765.5	15044.2	15292.0	15135.4	14744.9	14732.8
55°	15539.7	15596.5	16105.8	16575.5	16563.4	16448.2	16560.0	16570.3	16123.0	15603.4	15539.7
57.5°	16152.2	16260.6	16978.1	17828.0	18464.6	18617.7	18401.0	17743.7	16695.9	15864.9	15763.4
60°	15775.4	15940.6	17067.6	18800.1	20675.5	21575.3	20352.0	18313.2	16250.3	15092.4	14954.8
62.5°	13232.5	13511.2	15161.2	18330.4	22578.4	25209.1	21766.3	17399.6	14478.2	12883.2	12647.5
65°	8058.9	8353.1	10342.0	15087.2	22270.4	28085.8	21121.1	14442.0	10567.4	8583.7	8329.0
67.5°	2685.7	2771.8	3943.4	8339.4	17502.8	25234.9	17532.1	8645.6	4598.9	3048.8	2959.3
70°	1051.2	1059.8	1250.8	2417.3	8265.4	17332.5	9120.5	2460.3	1307.6	1034.0	1056.4
72.5°	772.5	776.0	829.3	1009.9	2154.1	7635.7	2231.5	1015.1	806.9	724.3	724.3
75°	621.1	621.1	659.0	736.4	965.2	1751.5	979.0	727.8	631.4	578.1	571.2
77.5°	490.3	500.7	529.9	579.8	653.8	843.1	677.9	576.4	509.3	459.4	449.1
80°	364.8	375.1	423.2	447.3	469.7	585.0	500.7	450.8	402.6	344.1	333.8
82.5°	239.2	249.5	309.7	323.5	318.3	382.0	337.2	332.1	295.9	221.9	211.6
85°	156.6	160.0	206.5	215.1	197.9	173.8	215.1	227.1	206.5	144.5	139.4
87.5°	74.0	74.0	105.0	98.1	89.5	72.3	98.1	115.3	117.0	70.5	68.8
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)