

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: P316315

Luminaire Tested: **GAN-SA1B-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316315
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-SA1B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5009 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

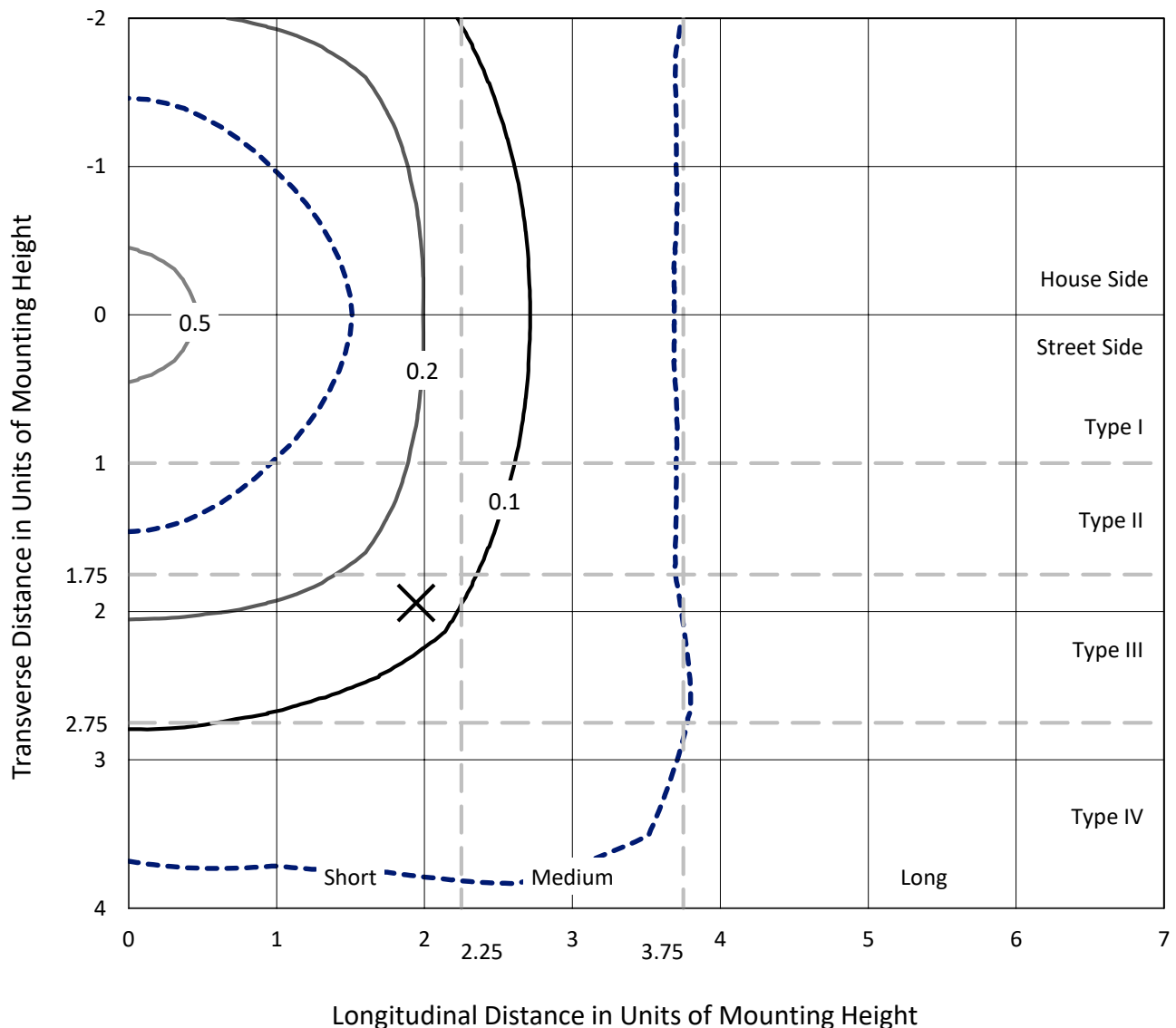
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

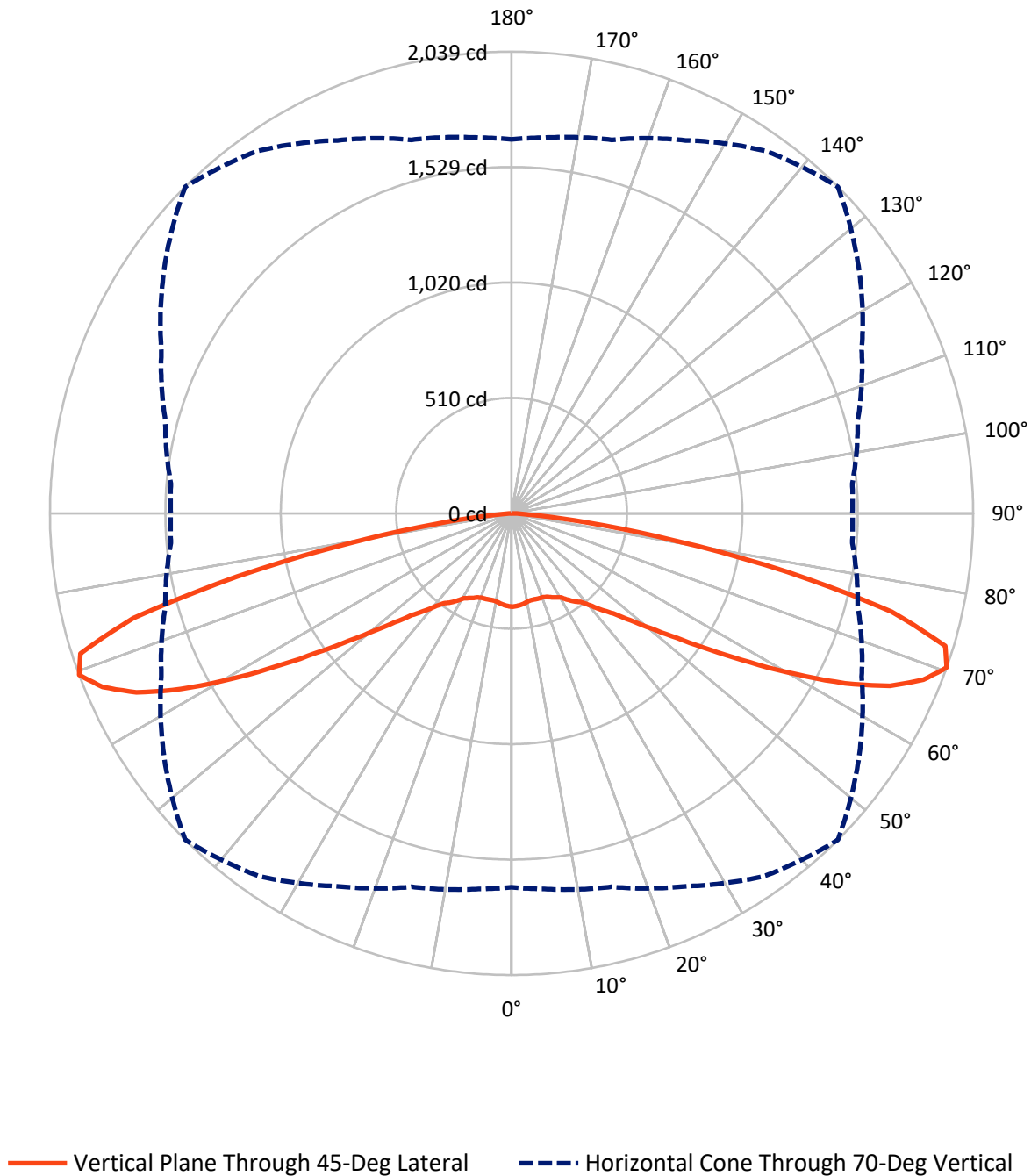
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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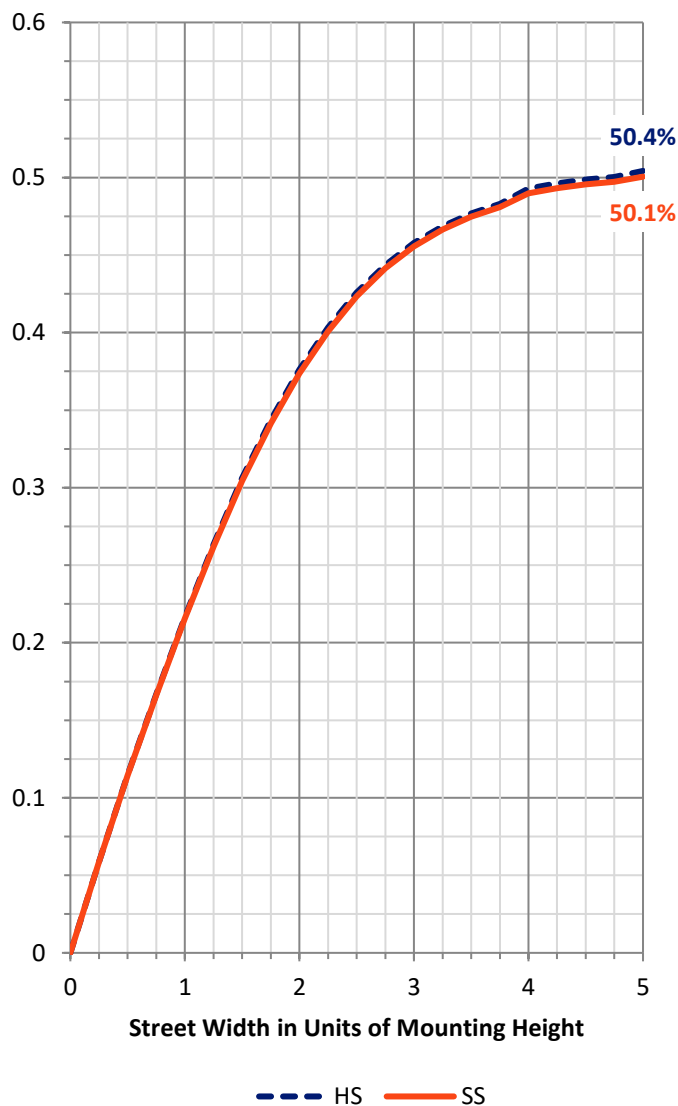
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2504.5	0.0	2504.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2504.5	0.0	2504.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5009.0	0.0	5009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	0.8
10°-20°	112.4	2.2
20°-30°	191.6	3.8
30°-40°	299.4	6.0
40°-50°	507.4	10.1
50°-60°	925.3	18.5
60°-70°	1593.0	31.8
70°-80°	1248.7	24.9
80°-90°	92.6	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°	5009.0	100.0
0°-180°	5009.0	100.0

Coefficient of Utilization



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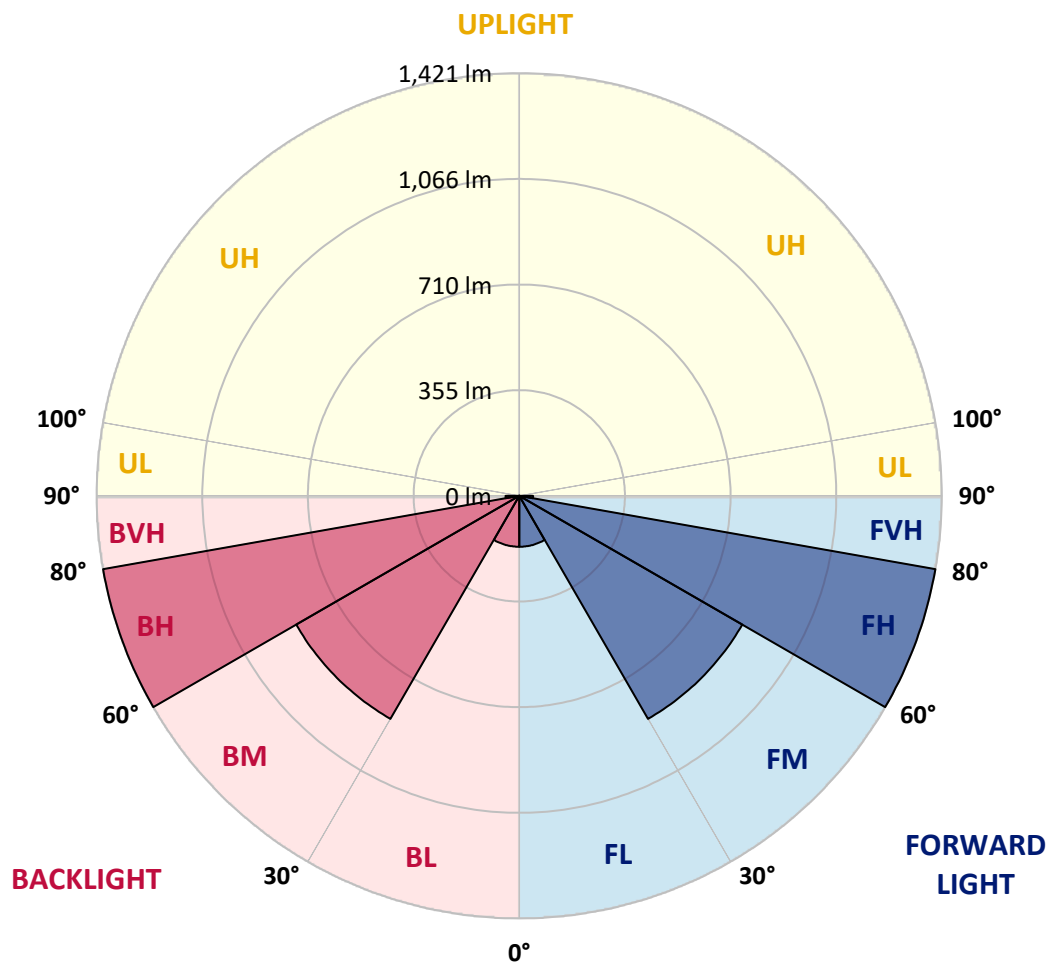
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.2	3.4			
FM	(30°-60°)	866.1	17.3			
FH	(60°-80°)	1420.9	28.4			G1/1800
FVH	(80°-90°)	46.3	0.9			G1/100
BL	(0°-30°)	171.2	3.4	B1/500		
BM	(30°-60°)	866.1	17.3	B1/1000		
BH	(60°-80°)	1420.9	28.4	B3/2500		G1/1800
BVH	(80°-90°)	46.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2	412.2
2.5°	410.4	410.9	410.4	410.8	409.9	410.3	410.3	410.3	410.1	410.3	409.9
5°	406.8	407.1	406.4	406.8	406.3	406.8	406.9	406.8	406.4	406.6	405.9
7.5°	401.3	401.6	401.1	401.6	401.0	401.8	401.6	401.1	400.6	400.6	400.0
10°	398.3	398.5	397.2	396.7	395.2	395.5	396.0	396.5	397.0	398.0	397.8
12.5°	398.5	398.5	396.5	394.3	392.2	392.7	393.5	395.3	397.3	399.2	399.3
15°	400.1	400.0	397.0	393.5	392.0	393.5	394.0	395.2	398.3	401.5	401.6
17.5°	401.3	401.3	396.7	392.7	392.5	394.8	394.7	395.2	398.7	403.3	403.5
20°	403.5	403.5	397.5	393.2	393.2	395.7	395.8	396.7	400.1	405.3	406.1
22.5°	408.3	408.4	402.1	398.7	399.0	400.5	401.0	402.3	405.4	411.1	412.1
25°	415.1	415.4	408.9	406.9	408.1	410.9	410.6	411.6	415.1	420.5	421.5
27.5°	424.5	423.7	417.7	416.9	418.0	420.0	419.9	420.0	422.8	427.8	429.0
30°	436.8	436.4	432.1	432.6	432.1	431.5	431.6	433.0	434.4	438.4	439.6
32.5°	448.7	449.0	446.4	448.9	452.5	455.0	451.2	447.5	445.9	448.0	449.0
35°	470.2	471.1	466.9	465.3	470.2	477.5	466.8	460.8	464.1	466.9	467.7
37.5°	506.9	507.3	500.4	493.8	490.1	497.1	486.3	486.8	498.4	503.7	503.5
40°	548.6	548.8	544.1	538.3	532.0	533.7	529.4	530.7	538.3	543.1	544.5
42.5°	598.3	597.8	590.5	582.2	580.4	582.1	574.8	573.8	582.6	591.2	591.4
45°	662.8	661.6	652.2	643.1	634.3	630.6	628.8	633.6	645.7	653.7	653.8
47.5°	732.2	729.0	724.1	716.8	709.2	705.5	702.5	704.9	713.6	716.8	717.1
50°	803.6	804.3	805.3	802.4	799.6	798.5	790.7	786.2	788.9	783.1	782.2
52.5°	888.3	889.6	899.2	907.3	912.1	914.6	899.9	884.5	875.8	864.6	861.3
55°	988.2	990.3	1004.4	1027.0	1050.2	1062.4	1035.7	1006.9	980.2	959.2	952.4
57.5°	1099.5	1103.3	1122.7	1166.0	1213.5	1242.5	1197.5	1145.1	1093.6	1063.2	1057.9
60°	1230.1	1233.7	1260.6	1322.6	1399.6	1443.2	1374.9	1289.2	1225.1	1196.1	1186.4
62.5°	1385.5	1385.8	1418.8	1491.2	1593.0	1653.6	1561.1	1446.7	1380.5	1345.6	1336.1
65°	1552.7	1553.5	1587.7	1665.9	1771.1	1837.0	1732.6	1613.3	1532.5	1481.0	1473.7
67.5°	1670.8	1674.3	1710.3	1804.4	1902.8	1962.3	1854.3	1719.4	1625.9	1564.5	1558.3
70°	1651.9	1665.5	1707.8	1817.6	1954.5	2039.3	1874.0	1706.8	1583.5	1510.9	1505.8
72.5°	1440.7	1466.7	1523.0	1667.2	1886.1	2002.9	1766.4	1528.7	1389.2	1327.4	1318.1
75°	981.1	1023.3	1108.3	1316.3	1611.4	1734.1	1487.1	1218.8	1087.6	1002.1	995.8
77.5°	437.4	447.0	554.7	794.2	1112.0	1245.3	1080.5	797.3	598.5	477.4	451.8
80°	121.9	123.4	164.7	295.8	556.6	731.7	597.5	310.7	174.6	123.1	116.0
82.5°	38.8	42.1	51.4	76.7	187.1	333.9	192.0	82.8	59.0	47.1	42.4
85°	18.9	18.7	26.0	31.2	47.7	73.9	50.9	38.4	33.6	22.4	20.2
87.5°	8.0	8.1	12.1	10.9	13.9	11.9	16.4	17.2	18.1	9.9	8.6
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)