

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: P316655

Luminaire Tested: **GAN-SA1D-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6781 lumens
Efficiency: N/A
Efficacy: 101.2 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

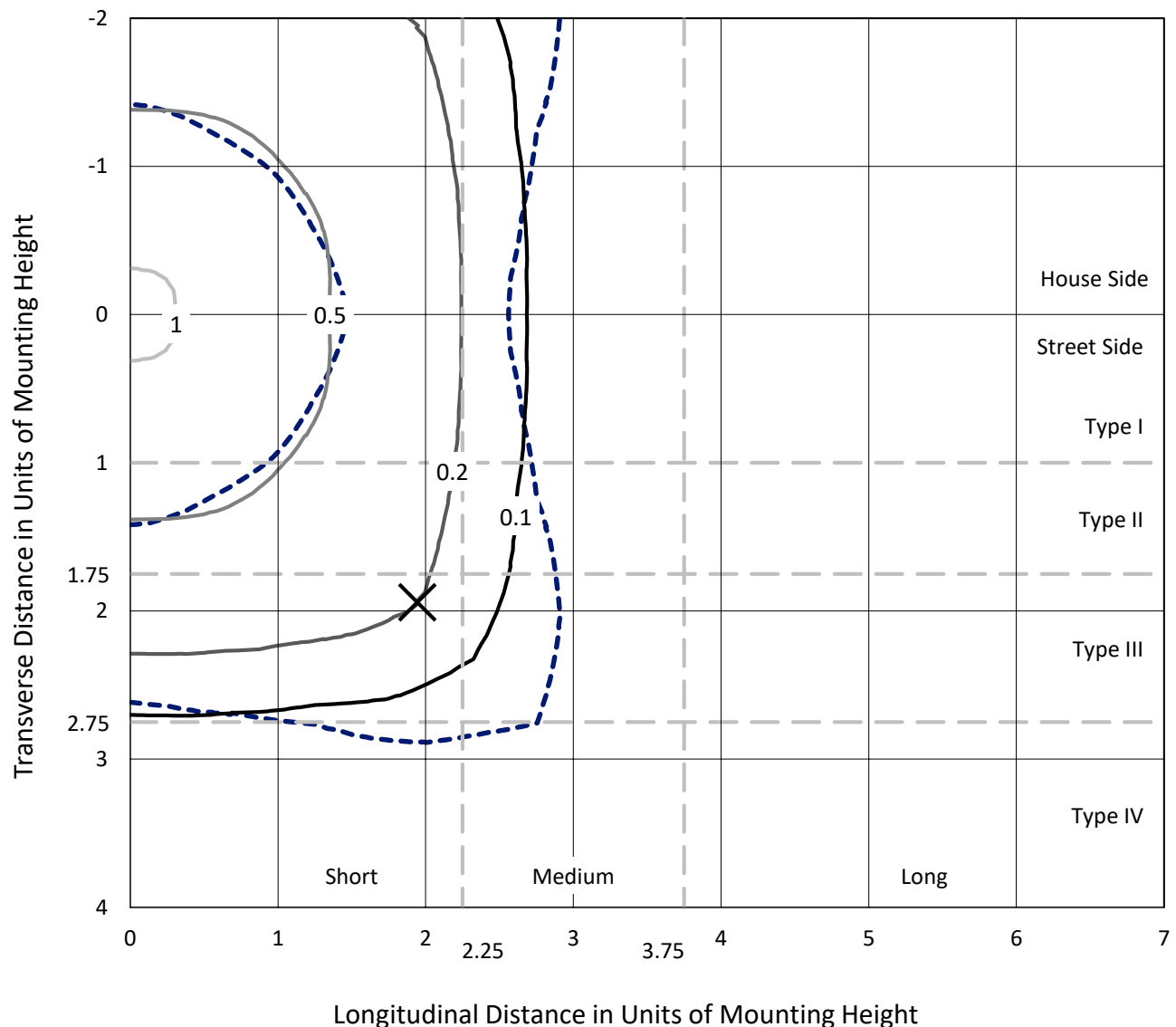
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

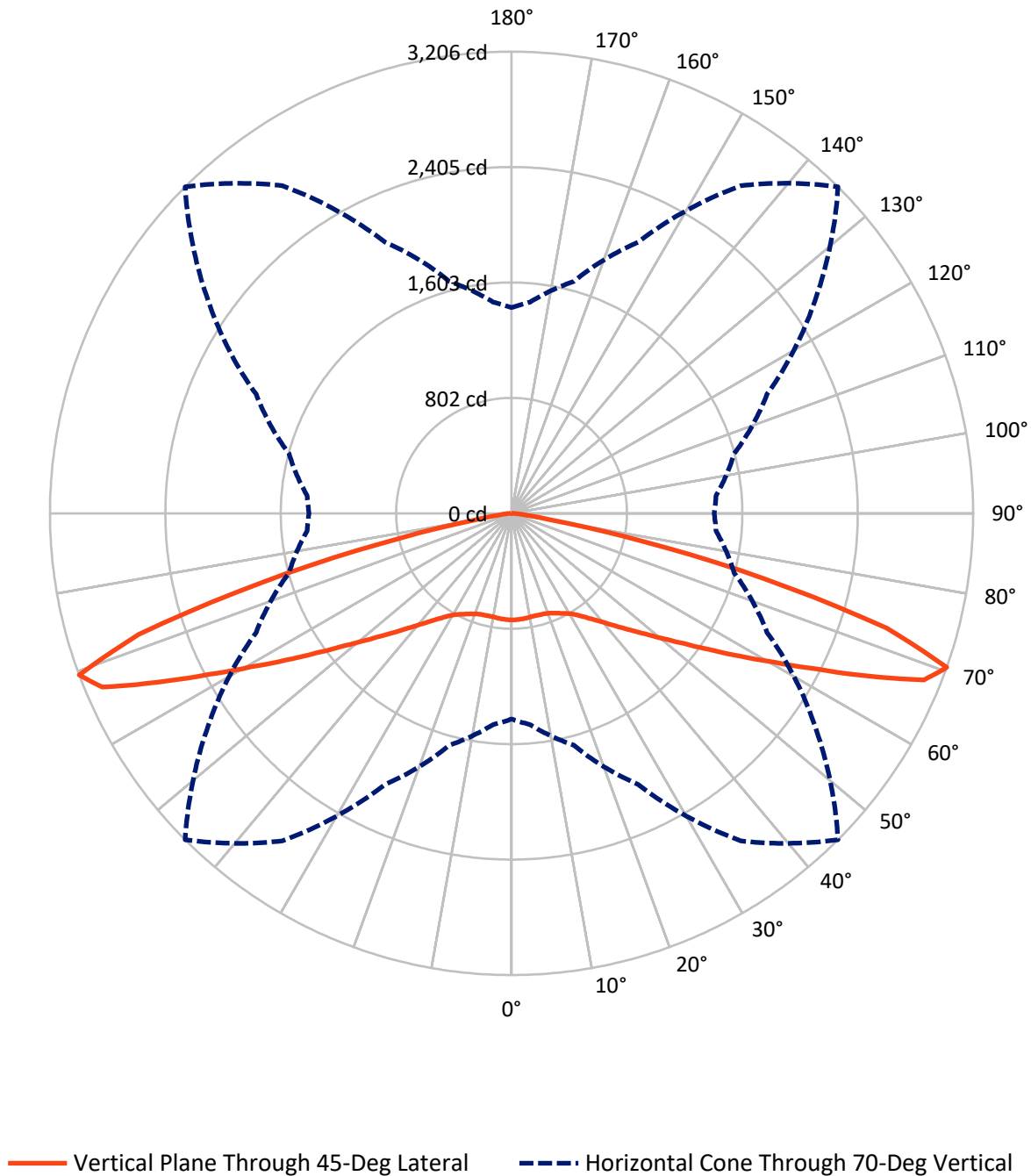
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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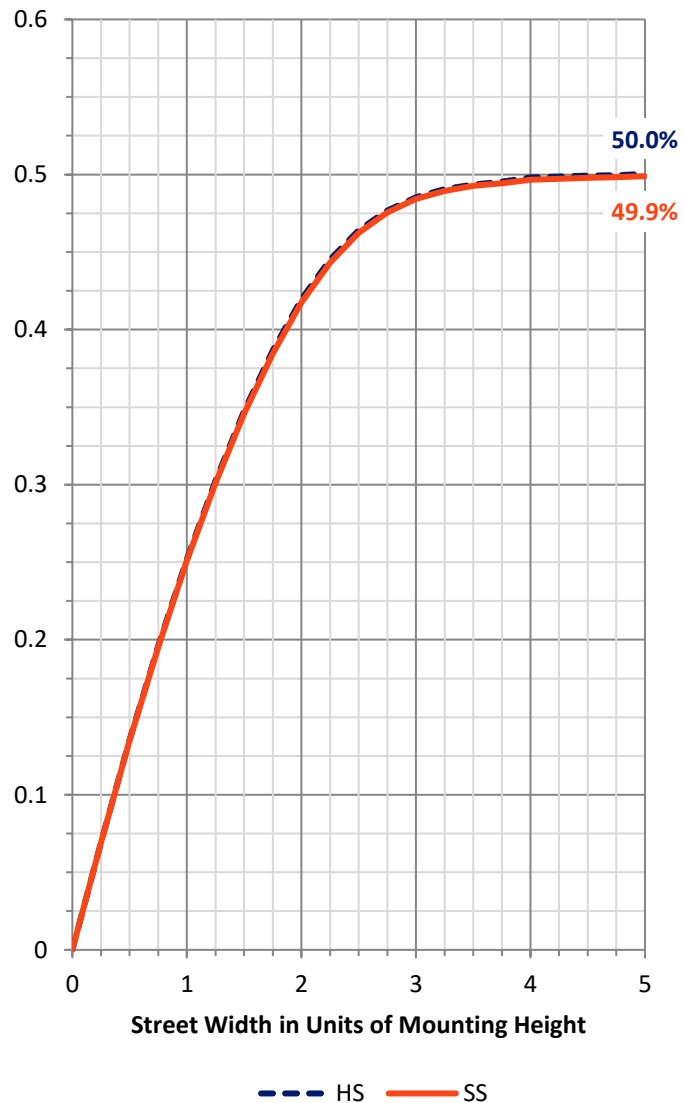
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3390.5	0.0	3390.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3390.5	0.0	3390.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6781.0	0.0	6781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.0
10°-20°	205.9	3.0
20°-30°	350.5	5.2
30°-40°	555.9	8.2
40°-50°	904.7	13.3
50°-60°	1491.7	22.0
60°-70°	2189.9	32.3
70°-80°	968.3	14.3
80°-90°	43.8	0.6
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°	6781.0	100.0
0°-180°	6781.0	100.0

Coefficient of Utilization



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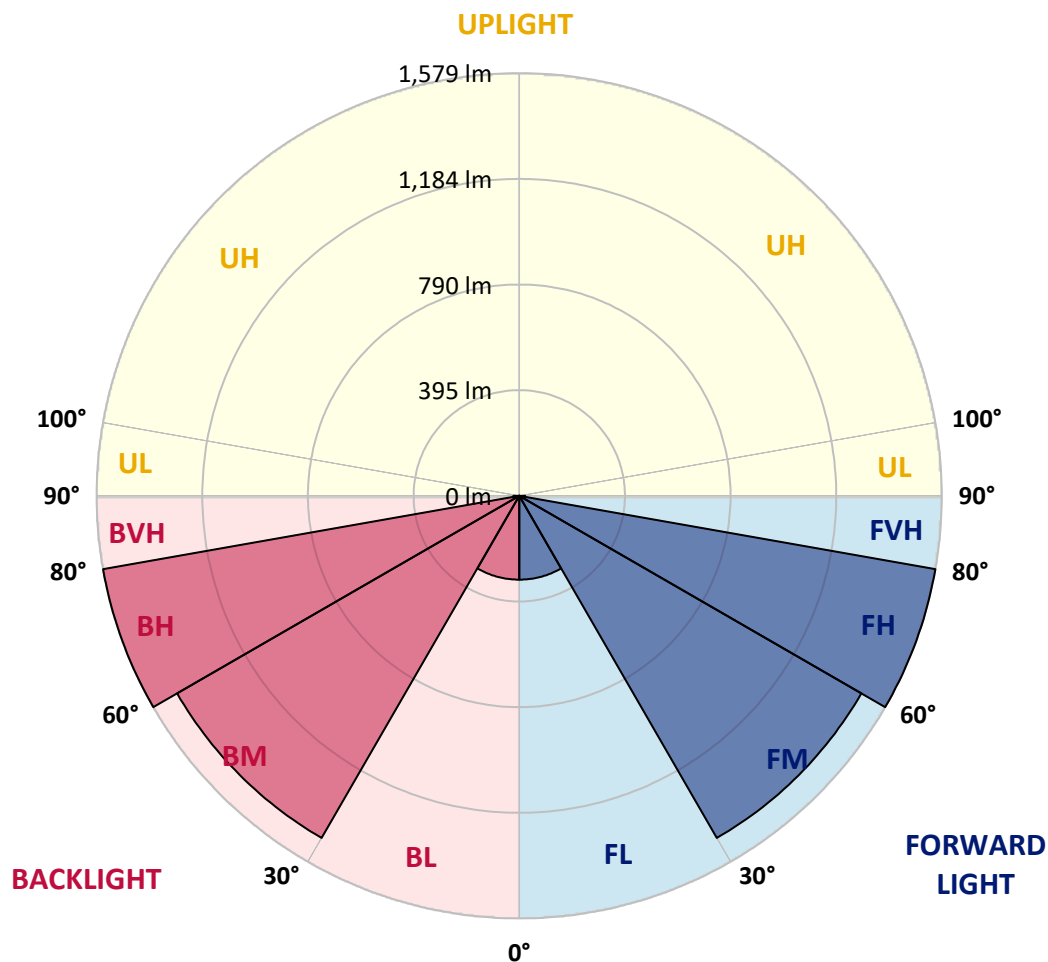
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	313.3	4.6			
FM	(30°-60°)	1476.2	21.8			
FH	(60°-80°)	1579.1	23.3			G1/1800
FVH	(80°-90°)	21.9	0.3			G1/100
BL	(0°-30°)	313.3	4.6	B1/500		
BM	(30°-60°)	1476.2	21.8	B2/2500		
BH	(60°-80°)	1579.1	23.3	B3/2500		G1/1800
BVH	(80°-90°)	21.9	0.3			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°	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6	740.6
2.5°	739.5	738.8	740.4	740.1	738.8	739.0	739.0	739.7	739.7	739.2	739.2
5°	736.8	736.3	738.1	738.1	736.8	737.2	737.7	738.3	738.1	737.7	737.4
7.5°	733.4	733.2	735.0	735.0	734.1	734.5	734.1	734.3	733.9	733.4	732.7
10°	727.8	728.2	729.8	730.3	730.3	730.5	730.0	728.9	728.2	727.6	726.9
12.5°	722.6	722.4	724.7	725.8	727.6	729.6	728.2	725.1	723.8	722.4	722.0
15°	719.3	719.5	721.7	723.8	726.9	731.2	729.6	724.7	722.0	720.4	719.9
17.5°	718.6	719.0	722.0	725.6	728.9	733.6	732.7	727.8	723.3	720.4	719.7
20°	720.2	720.4	724.9	730.0	735.9	740.4	738.3	733.0	726.9	722.4	721.3
22.5°	723.1	724.0	729.6	737.7	746.7	752.7	750.2	741.0	731.6	726.0	724.4
25°	732.3	732.5	740.1	751.1	761.9	768.9	766.0	752.9	740.8	734.5	732.5
27.5°	751.4	752.0	759.7	772.5	781.7	786.1	784.4	773.8	763.5	756.7	757.4
30°	779.0	779.9	788.4	802.5	808.1	809.3	808.8	803.9	794.5	785.5	786.1
32.5°	812.6	813.1	824.5	837.3	841.8	842.7	841.8	837.3	826.1	814.0	814.6
35°	855.9	857.3	868.3	880.6	884.2	886.0	884.4	878.6	866.9	855.0	854.6
37.5°	909.4	909.6	921.0	933.8	938.3	938.8	937.0	933.1	918.6	907.8	907.1
40°	971.3	972.2	985.7	999.3	1001.1	999.1	1001.6	999.3	984.3	972.0	974.0
42.5°	1046.7	1048.7	1064.9	1078.3	1073.2	1072.1	1073.6	1074.3	1062.2	1047.2	1045.8
45°	1134.5	1136.2	1156.4	1167.2	1163.8	1156.4	1159.6	1165.0	1148.1	1129.5	1131.3
47.5°	1234.5	1239.0	1260.6	1270.7	1262.4	1252.3	1258.3	1266.4	1246.7	1223.5	1222.4
50°	1345.9	1351.5	1380.2	1394.3	1386.0	1367.4	1377.5	1382.9	1354.4	1324.5	1322.1
52.5°	1464.6	1470.2	1506.3	1535.5	1530.1	1501.2	1515.3	1509.7	1476.9	1436.7	1433.6
55°	1599.0	1601.2	1640.3	1687.4	1692.8	1671.5	1670.6	1661.4	1612.9	1566.5	1564.2
57.5°	1737.2	1738.8	1789.3	1845.0	1870.3	1870.3	1845.2	1825.7	1761.3	1707.4	1701.8
60°	1886.5	1892.1	1948.0	2023.6	2082.9	2100.4	2055.9	2002.7	1932.7	1867.0	1860.5
62.5°	2019.3	2025.9	2111.4	2224.0	2319.2	2382.9	2274.3	2187.7	2060.2	1954.7	1942.4
65°	2036.2	2053.7	2178.2	2382.2	2595.2	2722.5	2514.2	2300.8	2068.5	1921.9	1909.4
67.5°	1859.6	1889.2	2057.5	2375.1	2815.1	3088.3	2667.5	2236.1	1919.5	1757.4	1743.5
70°	1428.9	1472.0	1666.1	2077.5	2777.2	3206.1	2571.4	1957.6	1600.3	1426.0	1406.4
72.5°	783.9	801.6	976.2	1422.6	2226.5	2724.5	2144.8	1447.5	1061.3	863.6	830.8
75°	248.7	254.9	343.8	582.1	1259.5	1804.6	1362.5	710.5	391.2	288.4	285.0
77.5°	110.4	111.1	124.3	169.9	433.8	914.3	521.1	193.5	133.3	116.5	120.3
80°	69.8	69.8	77.0	84.2	118.0	265.5	140.9	92.0	78.5	72.9	74.5
82.5°	33.4	37.0	50.0	53.9	64.9	89.3	72.3	60.1	52.5	39.0	36.4
85°	22.0	18.4	31.6	35.7	37.7	42.9	42.0	39.7	34.3	19.5	21.8
87.5°	9.9	9.4	16.4	15.0	14.1	10.8	16.2	20.0	19.3	9.7	9.7
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)