

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: P316316

Luminaire Tested: **GAN-SA2B-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316316
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-SA2B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9788 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

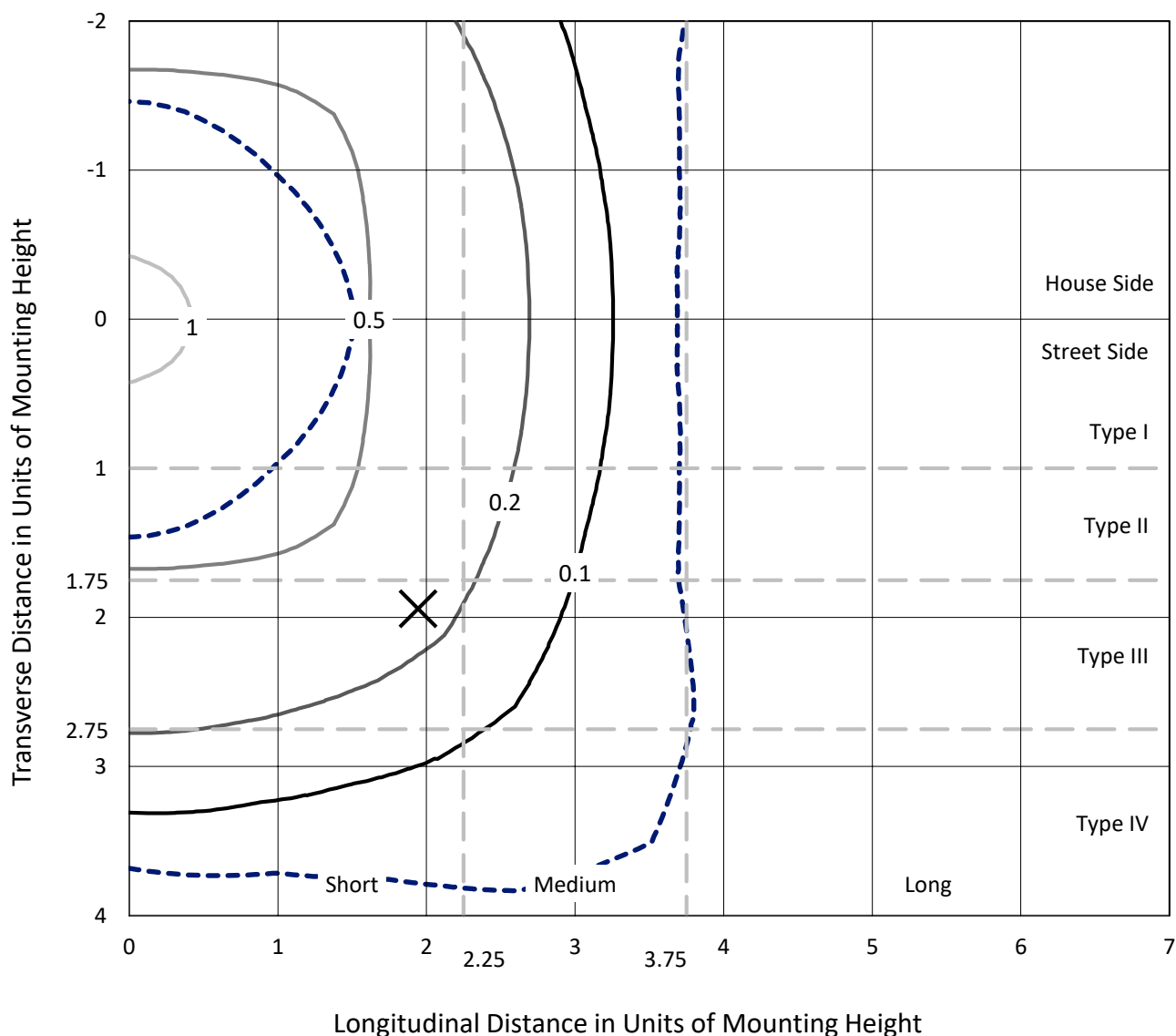
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

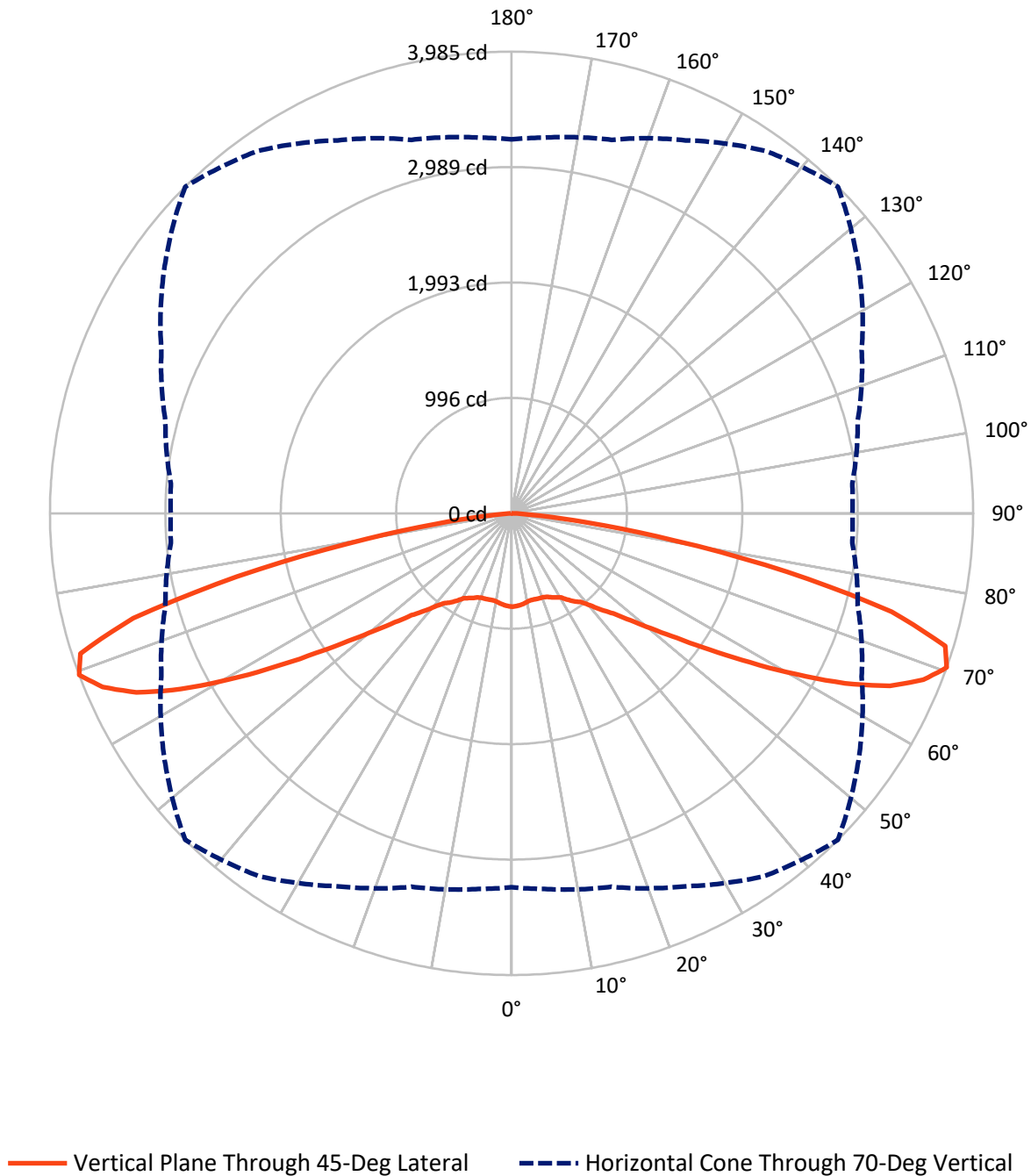
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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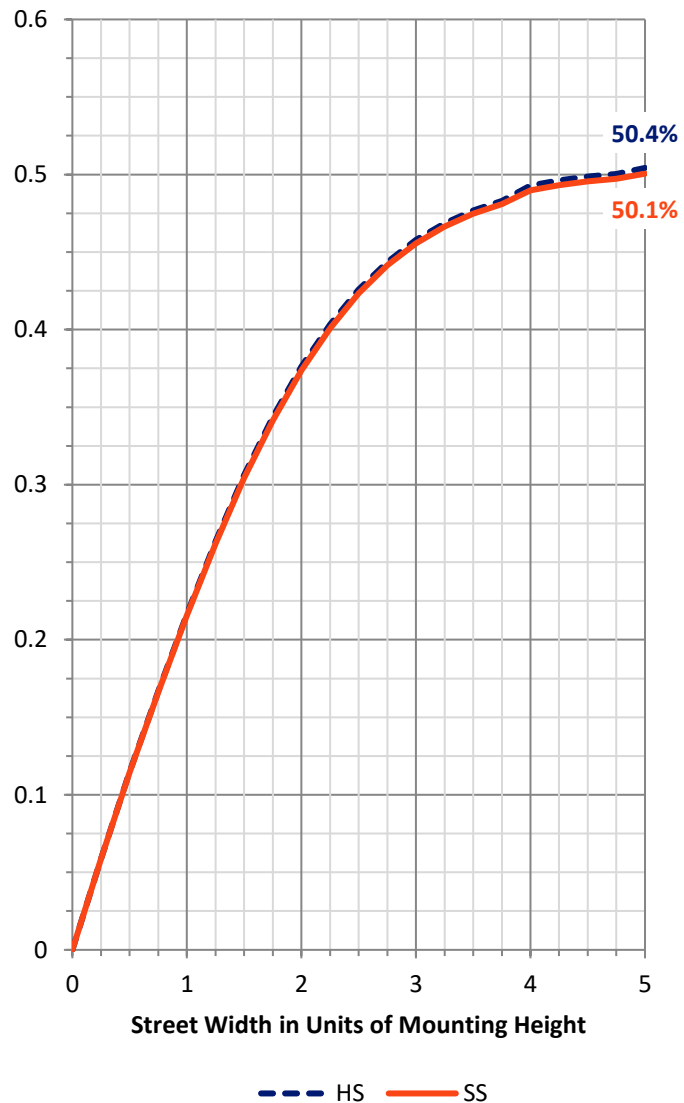
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4894.0	0.0	4894.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4894.0	0.0	4894.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9788.0	0.0	9788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	0.8
10°-20°	219.6	2.2
20°-30°	374.4	3.8
30°-40°	585.1	6.0
40°-50°	991.6	10.1
50°-60°	1808.2	18.5
60°-70°	3112.9	31.8
70°-80°	2440.0	24.9
80°-90°	180.9	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°	9788.0	100.0
0°-180°	9788.0	100.0

Coefficient of Utilization



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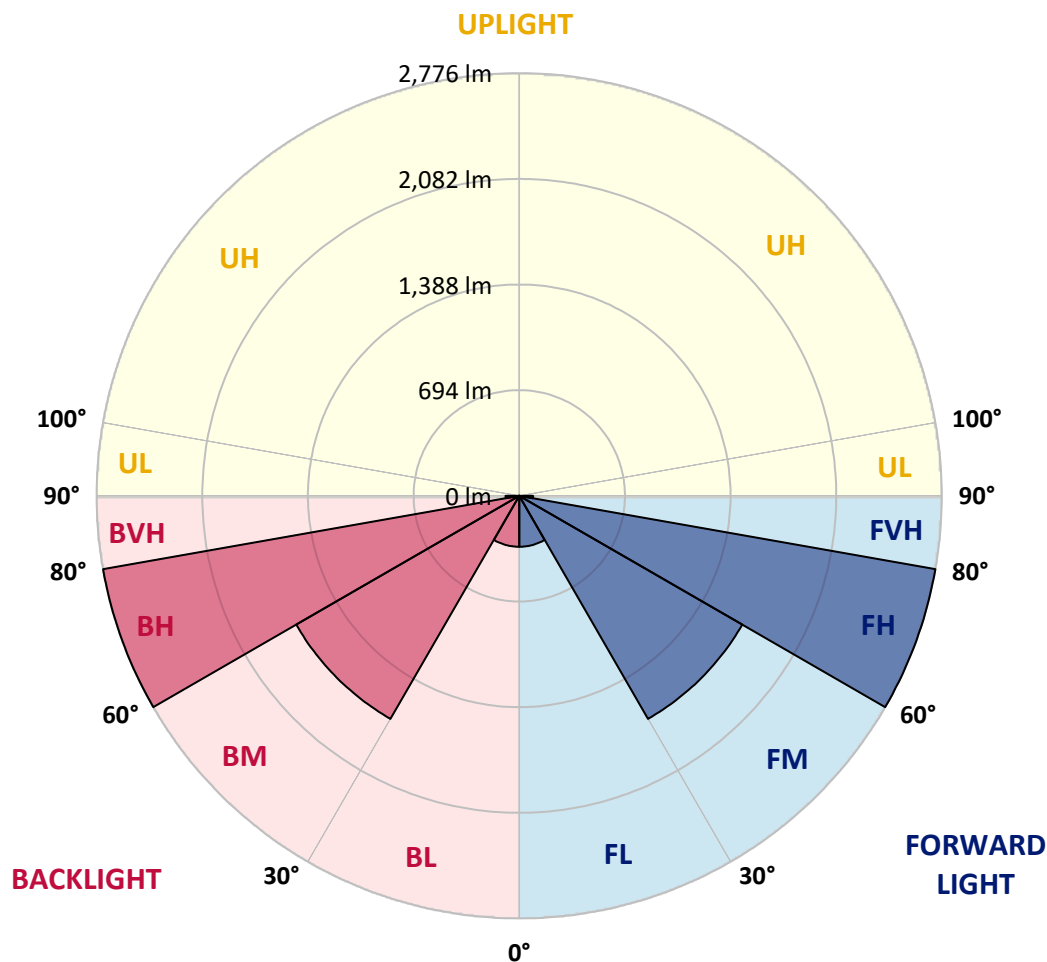
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	334.6	3.4			
FM	(30°-60°)	1692.4	17.3			
FH	(60°-80°)	2776.5	28.4			G2/5000
FVH	(80°-90°)	90.5	0.9			G1/100
BL	(0°-30°)	334.6	3.4	B1/500		
BM	(30°-60°)	1692.4	17.3	B2/2500		
BH	(60°-80°)	2776.5	28.4	B4/5000		G2/5000
BVH	(80°-90°)	90.5	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6	805.6
2.5°	802.0	803.0	802.0	802.6	801.0	801.7	801.7	801.7	801.3	801.7	801.0
5°	794.9	795.5	794.2	794.9	793.9	794.9	795.2	794.9	794.2	794.5	793.3
7.5°	784.2	784.8	783.9	784.8	783.5	785.2	784.8	783.9	782.9	782.9	781.6
10°	778.4	778.7	776.1	775.1	772.2	772.9	773.8	774.8	775.8	777.7	777.4
12.5°	778.7	778.7	774.8	770.6	766.4	767.3	769.0	772.5	776.4	780.0	780.3
15°	781.9	781.6	775.8	769.0	766.1	769.0	769.9	772.2	778.4	784.5	784.8
17.5°	784.2	784.2	775.1	767.3	767.0	771.6	771.2	772.2	779.0	788.1	788.4
20°	788.4	788.4	776.7	768.3	768.3	773.2	773.5	775.1	781.9	792.0	793.6
22.5°	797.8	798.1	785.8	779.0	779.7	782.6	783.5	786.1	792.3	803.3	805.2
25°	811.1	811.7	799.1	795.2	797.5	803.0	802.3	804.3	811.1	821.7	823.7
27.5°	829.5	827.9	816.2	814.6	816.9	820.8	820.4	820.8	826.3	836.0	838.3
30°	853.5	852.8	844.4	845.4	844.4	843.1	843.4	846.0	848.9	856.7	859.0
32.5°	876.8	877.4	872.3	877.1	884.2	889.1	881.6	874.5	871.3	875.5	877.4
35°	918.9	920.5	912.4	909.2	918.9	933.1	912.1	900.4	906.9	912.4	914.0
37.5°	990.4	991.4	977.8	964.9	957.7	971.3	950.3	951.3	973.9	984.3	984.0
40°	1072.0	1072.3	1063.3	1051.9	1039.6	1042.9	1034.5	1037.1	1051.9	1061.3	1063.9
42.5°	1169.2	1168.2	1153.9	1137.7	1134.2	1137.4	1123.2	1121.2	1138.4	1155.2	1155.6
45°	1295.1	1292.8	1274.4	1256.6	1239.4	1232.3	1228.7	1238.1	1261.8	1277.3	1277.6
47.5°	1430.8	1424.6	1414.9	1400.7	1385.8	1378.6	1372.8	1377.3	1394.5	1400.7	1401.3
50°	1570.3	1571.6	1573.5	1568.0	1562.5	1560.3	1545.1	1536.3	1541.5	1530.2	1528.5
52.5°	1735.8	1738.4	1757.1	1773.0	1782.4	1787.2	1758.4	1728.3	1711.5	1689.5	1683.0
55°	1931.0	1935.2	1962.7	2006.8	2052.1	2076.0	2023.9	1967.6	1915.5	1874.3	1861.1
57.5°	2148.6	2156.0	2193.9	2278.4	2371.3	2428.0	2339.9	2237.6	2136.9	2077.7	2067.3
60°	2403.7	2410.8	2463.3	2584.4	2734.9	2820.1	2686.7	2519.3	2394.0	2337.3	2318.2
62.5°	2707.4	2708.1	2772.5	2914.0	3112.8	3231.3	3050.6	2826.9	2697.7	2629.4	2610.9
65°	3034.1	3035.7	3102.4	3255.2	3460.8	3589.7	3385.7	3152.6	2994.6	2893.9	2879.7
67.5°	3265.0	3271.8	3342.0	3525.9	3718.2	3834.5	3623.4	3359.8	3177.2	3057.1	3045.1
70°	3228.0	3254.6	3337.2	3551.8	3819.3	3985.0	3661.9	3335.2	3094.3	2952.5	2942.5
72.5°	2815.2	2866.1	2976.1	3257.8	3685.5	3913.8	3451.8	2987.2	2714.5	2593.8	2575.6
75°	1917.1	1999.6	2165.7	2572.1	3148.7	3388.6	2905.9	2381.7	2125.3	1958.2	1945.9
77.5°	854.8	873.5	1084.0	1551.9	2172.9	2433.5	2111.3	1558.0	1169.5	932.8	882.9
80°	238.3	241.2	321.8	577.9	1087.6	1429.8	1167.5	607.1	341.3	240.6	226.6
82.5°	75.8	82.2	100.4	149.9	365.5	652.4	375.3	161.9	115.3	92.0	82.9
85°	36.9	36.6	50.8	60.9	93.2	144.4	99.4	75.1	65.7	43.7	39.5
87.5°	15.5	15.9	23.6	21.4	27.2	23.3	32.1	33.7	35.3	19.4	16.8
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)