

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: P316326

Luminaire Tested: **GAN-SA2C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316326
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-SA2C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12113 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

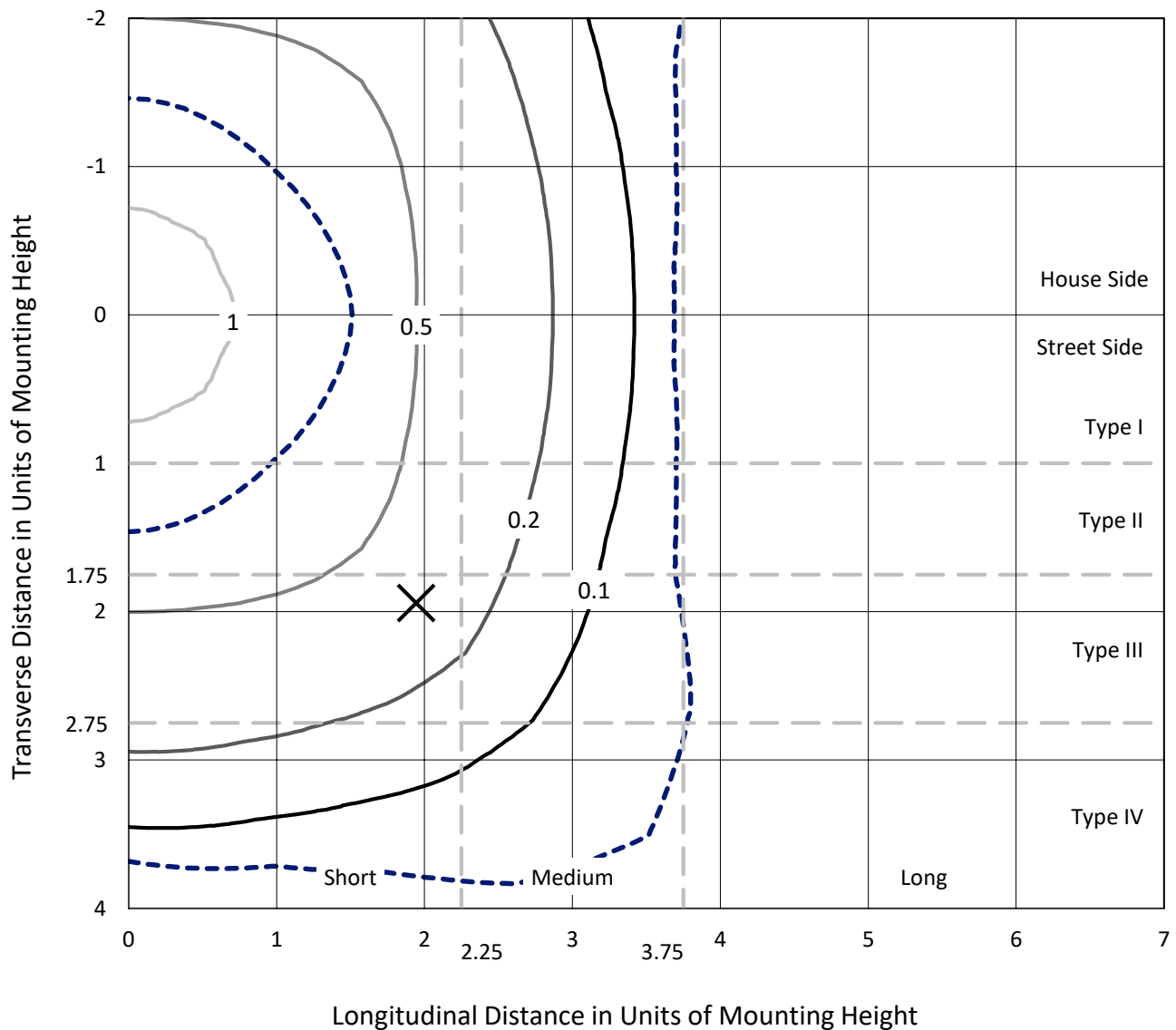
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

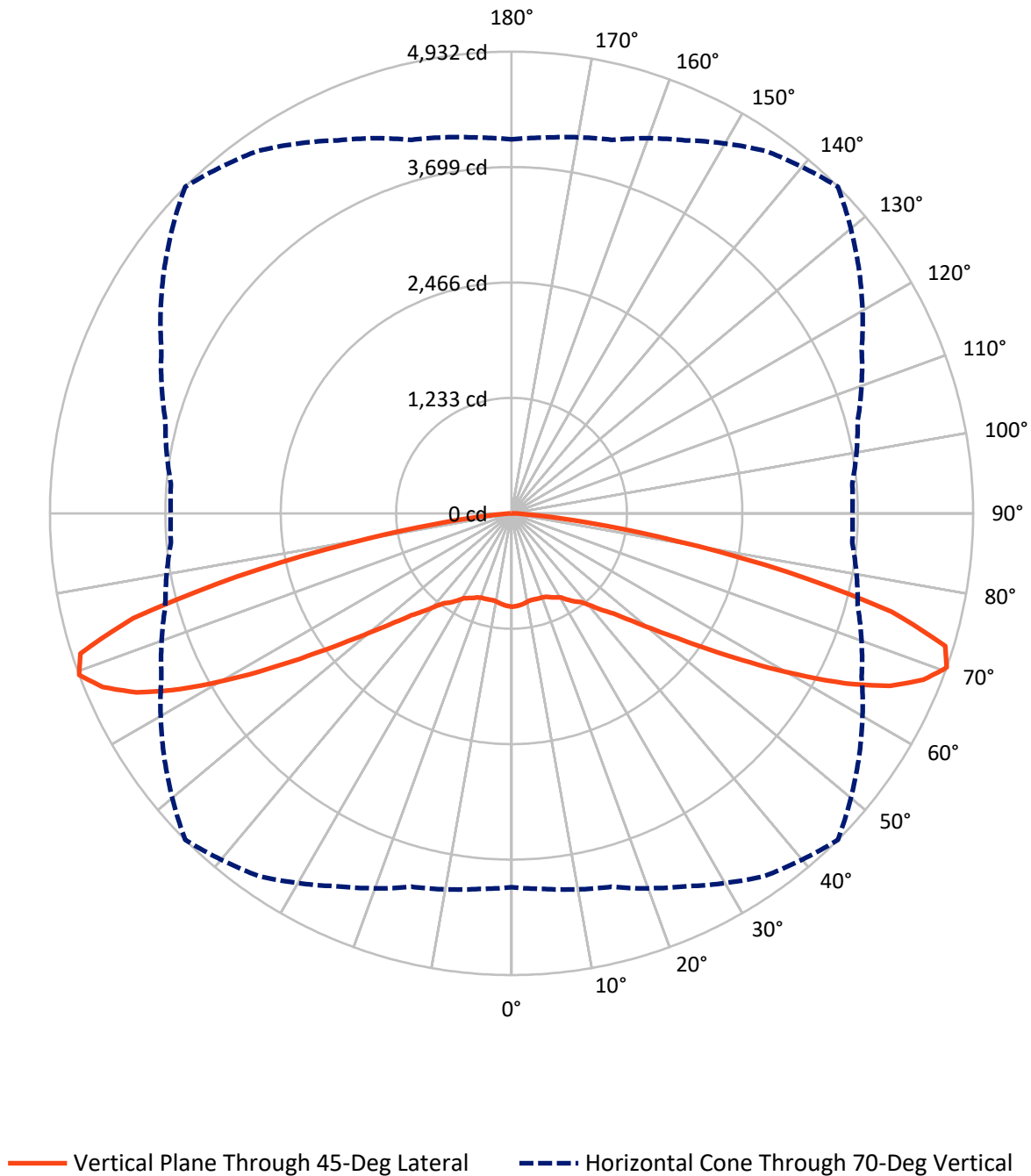
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	6056.5	0.0	6056.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6056.5	0.0	6056.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12113.0	0.0	12113.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	0.8
10°-20°	271.8	2.2
20°-30°	463.4	3.8
30°-40°	724.1	6.0
40°-50°	1227.1	10.1
50°-60°	2237.7	18.5
60°-70°	3852.4	31.8
70°-80°	3019.6	24.9
80°-90°	223.9	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°	12113.0	100.0
0°-180°	12113.0	100.0

Coefficient of Utilization



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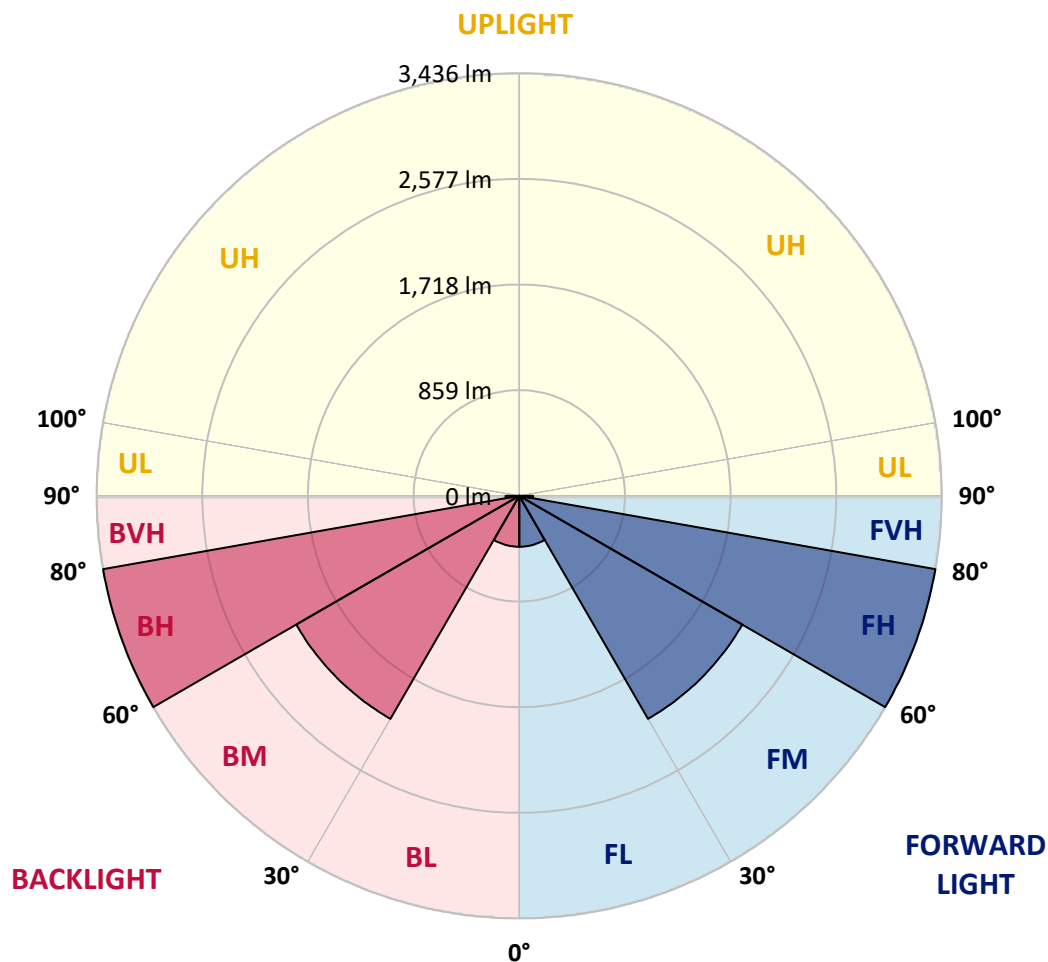
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	414.1	3.4			
FM	(30°-60°)	2094.4	17.3			
FH	(60°-80°)	3436.0	28.4			G2/5000
FVH	(80°-90°)	111.9	0.9			G2/225
BL	(0°-30°)	414.1	3.4	B1/500		
BM	(30°-60°)	2094.4	17.3	B2/2500		
BH	(60°-80°)	3436.0	28.4	B4/5000		G2/5000
BVH	(80°-90°)	111.9	0.9			G2/225
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°	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9	996.9
2.5°	992.5	993.7	992.5	993.3	991.3	992.1	992.1	992.1	991.7	992.1	991.3
5°	983.7	984.5	982.9	983.7	982.5	983.7	984.1	983.7	982.9	983.3	981.7
7.5°	970.5	971.3	970.1	971.3	969.7	971.7	971.3	970.1	968.9	968.9	967.3
10°	963.2	963.6	960.4	959.2	955.6	956.4	957.6	958.8	960.0	962.4	962.0
12.5°	963.6	963.6	958.8	953.6	948.4	949.6	951.6	956.0	960.8	965.2	965.6
15°	967.7	967.3	960.0	951.6	948.0	951.6	952.8	955.6	963.2	970.9	971.3
17.5°	970.5	970.5	959.2	949.6	949.2	954.8	954.4	955.6	964.0	975.3	975.7
20°	975.7	975.7	961.2	950.8	950.8	956.8	957.2	959.2	967.7	980.1	982.1
22.5°	987.3	987.7	972.5	964.0	964.8	968.5	969.7	972.9	980.5	994.1	996.5
25°	1003.7	1004.5	988.9	984.1	986.9	993.7	992.9	995.3	1003.7	1016.9	1019.3
27.5°	1026.6	1024.5	1010.1	1008.1	1010.9	1015.7	1015.3	1015.7	1022.5	1034.6	1037.4
30°	1056.2	1055.4	1045.0	1046.2	1045.0	1043.4	1043.8	1047.0	1050.6	1060.2	1063.0
32.5°	1085.1	1085.9	1079.4	1085.5	1094.3	1100.3	1091.1	1082.2	1078.2	1083.4	1085.9
35°	1137.1	1139.1	1129.1	1125.1	1137.1	1154.8	1128.7	1114.3	1122.3	1129.1	1131.1
37.5°	1225.7	1226.9	1210.1	1194.0	1185.2	1202.1	1176.0	1177.2	1205.3	1218.1	1217.7
40°	1326.7	1327.1	1315.8	1301.8	1286.6	1290.6	1280.2	1283.4	1301.8	1313.4	1316.6
42.5°	1446.9	1445.7	1428.0	1408.0	1403.6	1407.6	1390.0	1387.6	1408.8	1429.6	1430.0
45°	1602.7	1599.9	1577.1	1555.1	1533.8	1525.0	1520.6	1532.2	1561.5	1580.7	1581.1
47.5°	1770.6	1763.0	1751.0	1733.4	1714.9	1706.1	1698.9	1704.5	1725.7	1733.4	1734.2
50°	1943.3	1944.9	1947.3	1940.5	1933.7	1930.9	1912.1	1901.2	1907.7	1893.6	1891.6
52.5°	2148.1	2151.3	2174.5	2194.1	2205.8	2211.8	2176.1	2138.9	2118.0	2090.8	2082.8
55°	2389.7	2394.9	2428.9	2483.4	2539.5	2569.2	2504.7	2435.0	2370.4	2319.6	2303.1
57.5°	2658.9	2668.2	2715.0	2819.6	2934.6	3004.7	2895.7	2769.1	2644.5	2571.2	2558.4
60°	2974.7	2983.5	3048.4	3198.3	3384.6	3490.0	3324.9	3117.7	2962.7	2892.5	2868.9
62.5°	3350.5	3351.3	3431.1	3606.2	3852.2	3998.8	3775.2	3498.4	3338.5	3254.0	3231.1
65°	3754.8	3756.8	3839.4	4028.5	4282.9	4442.4	4190.0	3901.5	3705.9	3581.3	3563.7
67.5°	4040.5	4048.9	4135.9	4363.4	4601.5	4745.3	4484.1	4157.9	3931.9	3783.3	3768.4
70°	3994.8	4027.7	4129.8	4395.5	4726.5	4931.6	4531.7	4127.4	3829.3	3653.8	3641.4
72.5°	3483.9	3546.9	3683.1	4031.7	4561.0	4843.5	4271.7	3696.7	3359.3	3209.9	3187.4
75°	2372.4	2474.6	2680.2	3183.0	3896.7	4193.6	3596.1	2947.4	2630.1	2423.3	2408.1
77.5°	1057.8	1081.0	1341.5	1920.5	2689.0	3011.5	2612.9	1928.1	1447.3	1154.4	1092.7
80°	294.9	298.5	398.3	715.2	1345.9	1769.4	1444.9	751.3	422.3	297.7	280.5
82.5°	93.8	101.8	124.2	185.5	452.4	807.4	464.4	200.3	142.6	113.8	102.6
85°	45.7	45.3	62.9	75.3	115.4	178.7	123.0	93.0	81.3	54.1	48.9
87.5°	19.2	19.6	29.2	26.4	33.7	28.8	39.7	41.7	43.7	24.0	20.8
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)