

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: P316317

Luminaire Tested: **GAN-SA3B-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316317
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-SA3B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 14603 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

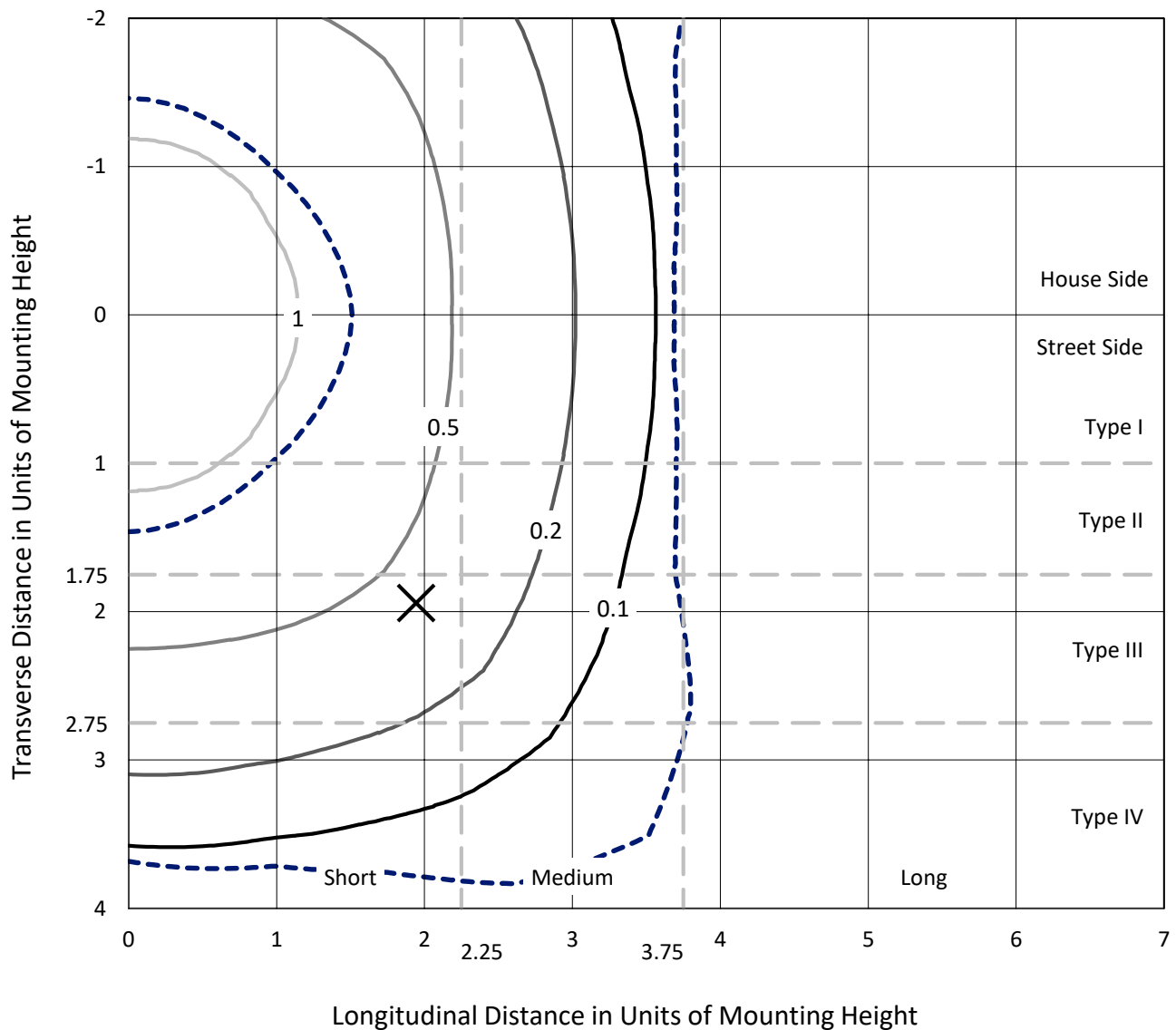
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

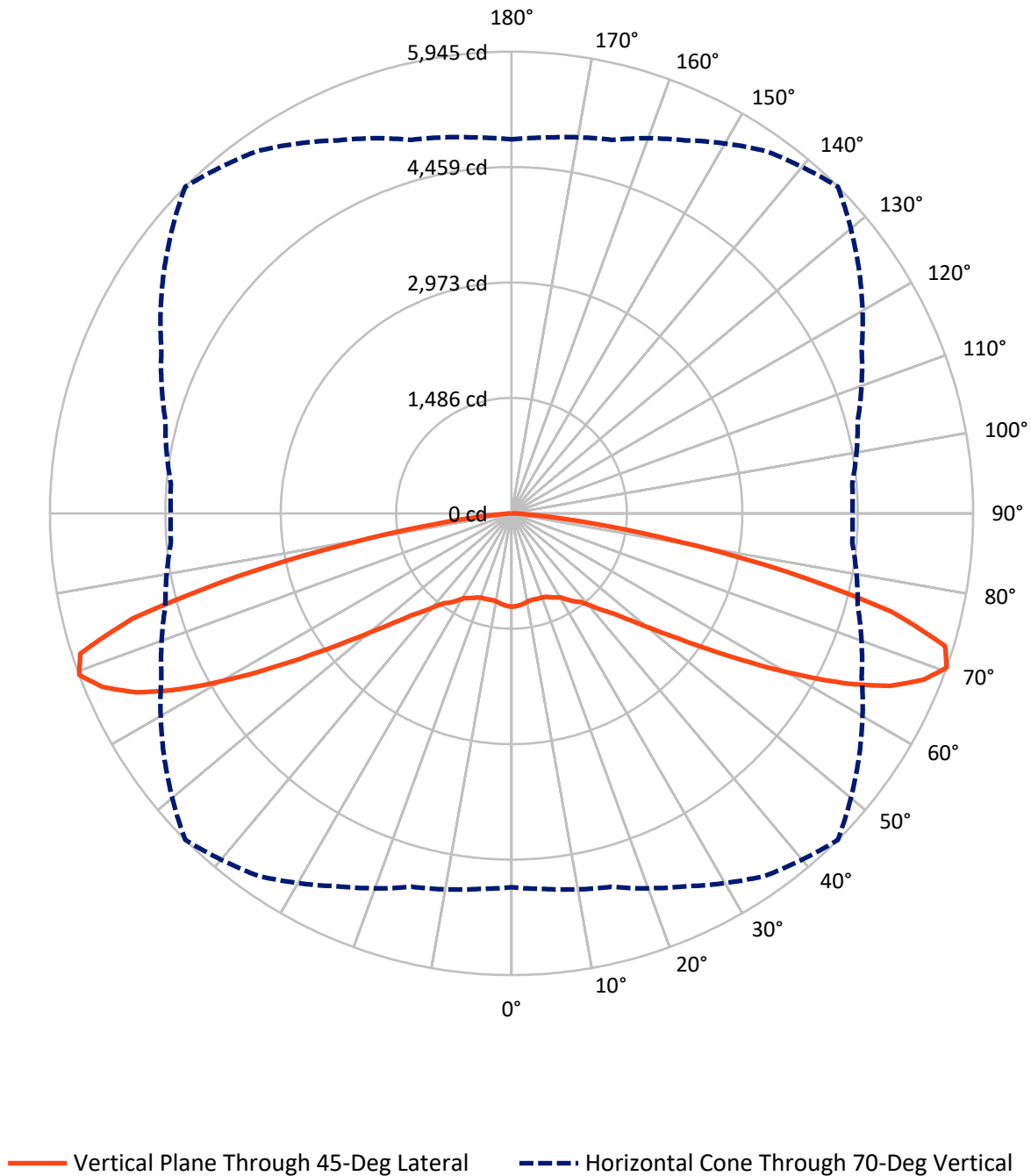
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	7301.5	0.0	7301.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7301.5	0.0	7301.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14603.0	0.0	14603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	0.8
10°-20°	327.7	2.2
20°-30°	558.6	3.8
30°-40°	872.9	6.0
40°-50°	1479.3	10.1
50°-60°	2697.7	18.5
60°-70°	4644.3	31.8
70°-80°	3640.4	24.9
80°-90°	269.9	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°	14603.0	100.0
0°-180°	14603.0	100.0

Coefficient of Utilization



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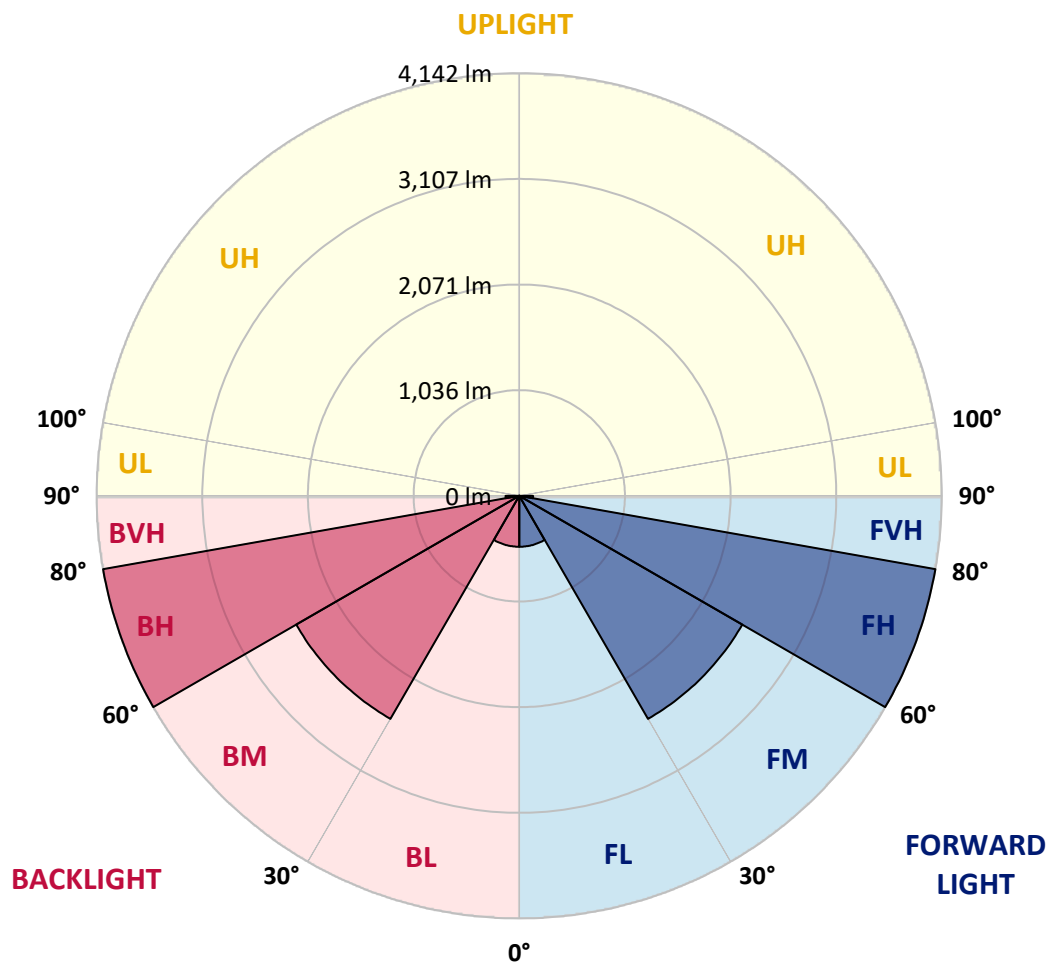
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.2	3.4			
FM	(30°-60°)	2525.0	17.3			
FH	(60°-80°)	4142.3	28.4			G2/5000
FVH	(80°-90°)	135.0	0.9			G2/225
BL	(0°-30°)	499.2	3.4	B1/500		
BM	(30°-60°)	2525.0	17.3	B3/5000		
BH	(60°-80°)	4142.3	28.4	B4/5000		G2/5000
BVH	(80°-90°)	135.0	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°	1201.8	1201.8	1201.8	1201.8	1201.8	1201.8	1201.8	1201.8	1201.8	1201.8	1201.8
2.5°	1196.5	1198.0	1196.5	1197.5	1195.1	1196.0	1196.0	1196.0	1195.5	1196.0	1195.1
5°	1185.9	1186.9	1184.9	1185.9	1184.4	1185.9	1186.4	1185.9	1184.9	1185.4	1183.5
7.5°	1169.9	1170.9	1169.5	1170.9	1169.0	1171.4	1170.9	1169.5	1168.0	1168.0	1166.1
10°	1161.3	1161.7	1157.9	1156.4	1152.1	1153.0	1154.5	1155.9	1157.4	1160.3	1159.8
12.5°	1161.7	1161.7	1155.9	1149.7	1143.4	1144.8	1147.2	1152.6	1158.4	1163.7	1164.2
15°	1166.6	1166.1	1157.4	1147.2	1142.9	1147.2	1148.7	1152.1	1161.3	1170.4	1170.9
17.5°	1169.9	1169.9	1156.4	1144.8	1144.3	1151.1	1150.6	1152.1	1162.2	1175.7	1176.2
20°	1176.2	1176.2	1158.8	1146.3	1146.3	1153.5	1154.0	1156.4	1166.6	1181.5	1184.0
22.5°	1190.2	1190.7	1172.4	1162.2	1163.2	1167.5	1169.0	1172.8	1182.0	1198.4	1201.3
25°	1210.0	1211.0	1192.2	1186.4	1189.8	1198.0	1197.0	1199.9	1210.0	1226.0	1228.9
27.5°	1237.6	1235.2	1217.8	1215.4	1218.7	1224.5	1224.0	1224.5	1232.7	1247.2	1250.6
30°	1273.3	1272.4	1259.8	1261.2	1259.8	1257.9	1258.3	1262.2	1266.6	1278.2	1281.5
32.5°	1308.1	1309.1	1301.3	1308.6	1319.2	1326.5	1315.3	1304.7	1299.9	1306.2	1309.1
35°	1370.9	1373.3	1361.2	1356.4	1370.9	1392.2	1360.8	1343.4	1353.0	1361.2	1363.7
37.5°	1477.7	1479.1	1458.8	1439.5	1428.9	1449.2	1417.8	1419.2	1453.0	1468.5	1468.0
40°	1599.4	1599.9	1586.3	1569.4	1551.1	1555.9	1543.3	1547.2	1569.4	1583.4	1587.3
42.5°	1744.3	1742.8	1721.6	1697.4	1692.1	1697.0	1675.7	1672.8	1698.4	1723.5	1724.0
45°	1932.2	1928.8	1901.3	1874.7	1849.1	1838.5	1833.2	1847.2	1882.4	1905.6	1906.1
47.5°	2134.6	2125.4	2110.9	2089.7	2067.5	2056.8	2048.1	2054.9	2080.5	2089.7	2090.6
50°	2342.8	2344.7	2347.6	2339.4	2331.2	2327.8	2305.1	2292.1	2299.8	2282.9	2280.5
52.5°	2589.6	2593.5	2621.5	2645.2	2659.2	2666.4	2623.4	2578.5	2553.4	2520.6	2510.9
55°	2880.9	2887.2	2928.3	2993.9	3061.6	3097.3	3019.5	2935.5	2857.7	2796.4	2776.6
57.5°	3205.5	3216.6	3273.1	3399.2	3537.9	3622.4	3491.0	3338.4	3188.1	3099.7	3084.3
60°	3586.2	3596.8	3675.0	3855.7	4080.3	4207.4	4008.4	3758.6	3571.7	3487.1	3458.6
62.5°	4039.3	4040.2	4136.4	4347.5	4644.0	4820.8	4551.3	4217.5	4024.8	3922.9	3895.3
65°	4526.7	4529.1	4628.6	4856.6	5163.3	5355.6	5051.3	4703.5	4467.7	4317.5	4296.2
67.5°	4871.1	4881.2	4986.0	5260.4	5547.3	5720.8	5405.8	5012.6	4740.2	4561.0	4543.1
70°	4816.0	4855.6	4978.8	5299.1	5698.1	5945.4	5463.3	4975.9	4616.5	4404.9	4390.0
72.5°	4200.1	4276.0	4440.2	4860.5	5498.6	5839.1	5149.8	4456.6	4049.9	3869.7	3842.7
75°	2860.1	2983.3	3231.1	3837.4	4697.7	5055.6	4335.4	3553.3	3170.7	2921.5	2903.1
77.5°	1275.3	1303.3	1617.3	2315.3	3241.7	3630.6	3150.0	2324.4	1744.8	1391.7	1317.3
80°	355.5	359.9	480.2	862.2	1622.6	2133.1	1741.9	905.7	509.1	358.9	338.1
82.5°	113.0	122.7	149.7	223.7	545.4	973.3	559.9	241.5	172.0	137.2	123.7
85°	55.1	54.6	75.8	90.8	139.1	215.4	148.3	112.1	98.1	65.2	58.9
87.5°	23.2	23.7	35.3	31.9	40.6	34.8	47.8	50.2	52.7	29.0	25.1
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)