

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: P317276

Luminaire Tested: **GAN-SA2B-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9498 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

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

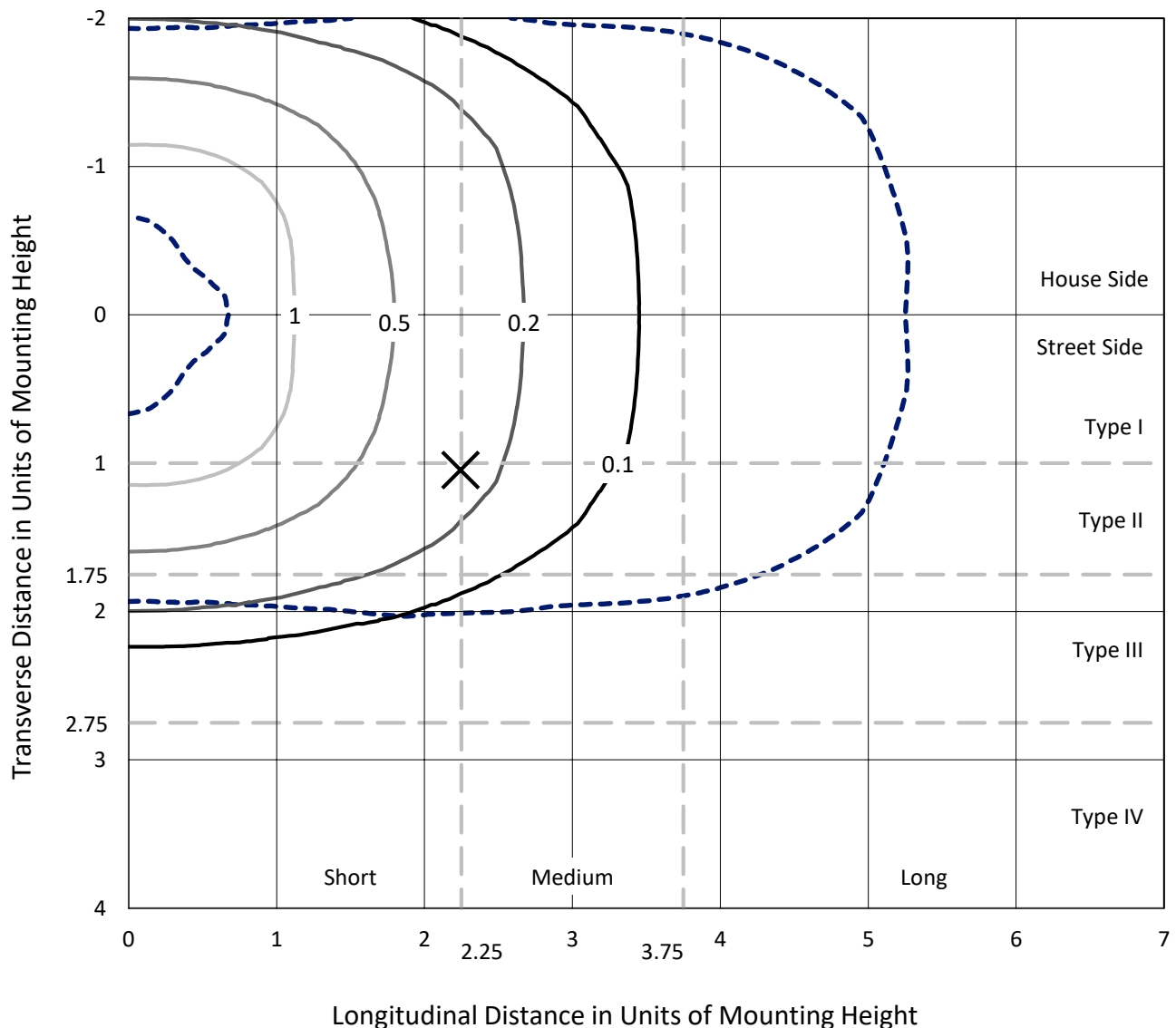


REPORT NUMBER: P317276

CATALOG NUMBER: GAN-SA2B-830-U-RW

Iso-Footcandle Lines of Horizontal Illumination

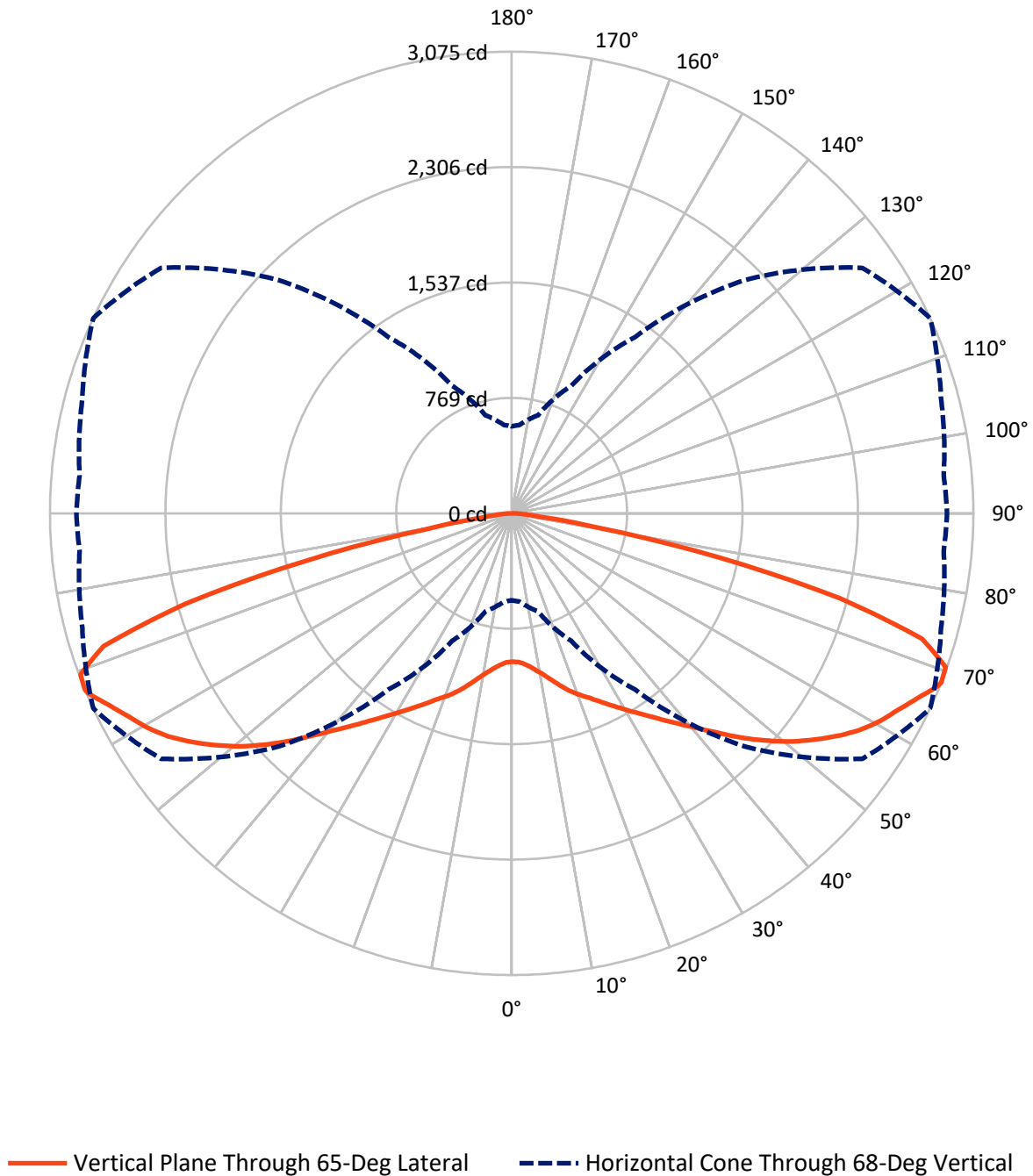
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

REPORT NUMBER: P317276
CATALOG NUMBER: GAN-SA2B-830-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P317276

CATALOG NUMBER: GAN-SA2B-830-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4749.0	0.0	4749.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4749.0	0.0	4749.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9498.0	0.0	9498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	1.0
10°-20°	323.8	3.4
20°-30°	631.2	6.6
30°-40°	1060.4	11.2
40°-50°	1670.9	17.6
50°-60°	2234.5	23.5
60°-70°	2172.2	22.9
70°-80°	1187.5	12.5
80°-90°	120.8	1.3
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°	9498.0	100.0
0°-180°	9498.0	100.0

Coefficient of Utilization



REPORT NUMBER: P317276

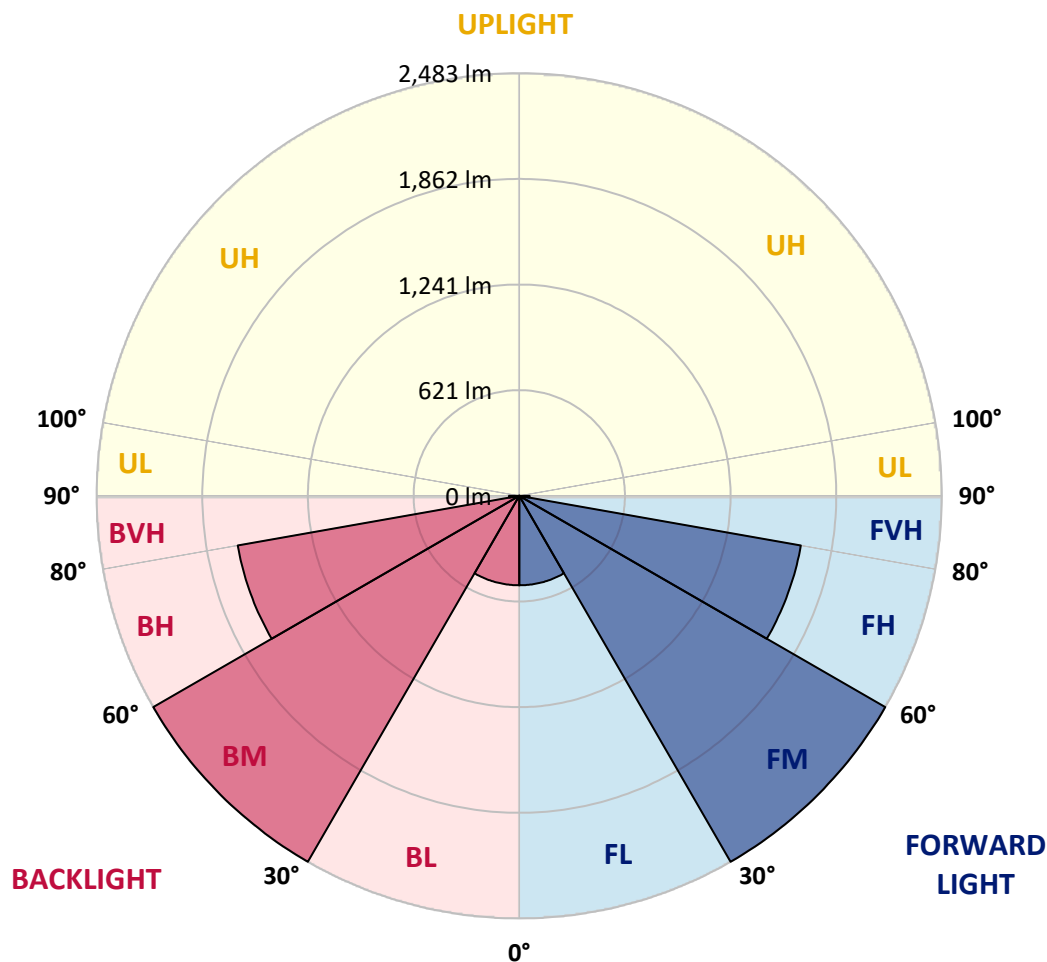
CATALOG NUMBER: GAN-SA2B-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	525.8	5.5			
FM	(30°-60°)	2482.9	26.1			
FH	(60°-80°)	1679.8	17.7			G1/1800
FVH	(80°-90°)	60.4	0.6			G1/100
BL	(0°-30°)	525.8	5.5	B2/1000		
BM	(30°-60°)	2482.9	26.1	B2/2500		
BH	(60°-80°)	1679.8	17.7	B3/2500		G3/2500
BVH	(80°-90°)	60.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P317276

CATALOG NUMBER: GAN-SA2B-830-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6
2.5°	980.6	980.9	982.5	984.4	986.0	990.1	991.1	992.7	993.3	994.9	994.9
5°	972.0	972.6	976.4	981.5	987.3	997.4	1004.8	1013.0	1017.2	1021.6	1021.3
7.5°	971.0	972.6	978.0	986.3	995.8	1012.7	1028.0	1044.6	1055.7	1065.9	1065.3
10°	980.9	983.4	991.1	1003.5	1017.8	1038.8	1061.5	1083.7	1103.2	1118.8	1119.4
12.5°	995.8	999.0	1011.1	1029.9	1051.6	1078.7	1105.4	1130.6	1157.3	1180.6	1182.5
15°	1015.6	1019.7	1037.9	1065.9	1099.0	1131.2	1159.9	1185.7	1216.5	1248.7	1251.9
17.5°	1044.9	1050.6	1074.5	1112.4	1156.0	1191.4	1221.3	1240.8	1266.5	1299.7	1305.7
20°	1089.5	1096.8	1127.1	1172.3	1225.5	1262.4	1285.3	1289.5	1302.2	1331.8	1338.8
22.5°	1147.4	1153.8	1187.6	1241.4	1300.9	1341.1	1353.2	1336.6	1335.3	1359.2	1365.9
25°	1212.1	1217.8	1257.0	1317.5	1381.5	1425.8	1425.5	1393.3	1371.0	1389.5	1396.5
27.5°	1284.7	1293.6	1331.2	1394.9	1463.4	1507.0	1504.4	1454.8	1412.4	1417.2	1423.2
30°	1368.1	1378.0	1414.6	1479.3	1547.8	1590.4	1587.2	1521.6	1457.9	1445.2	1449.7
32.5°	1471.6	1483.4	1518.1	1581.8	1642.3	1680.9	1671.6	1594.2	1512.7	1485.0	1489.2
35°	1596.2	1603.2	1639.8	1702.5	1751.6	1778.0	1758.6	1678.3	1582.1	1548.7	1548.7
37.5°	1722.3	1727.7	1768.8	1829.6	1877.0	1891.1	1853.2	1770.4	1672.9	1625.5	1626.4
40°	1843.3	1857.9	1904.1	1966.5	2013.4	2017.2	1966.9	1875.5	1773.9	1724.8	1730.6
42.5°	1969.7	1984.1	2039.1	2109.8	2151.2	2157.6	2098.7	1993.3	1887.9	1848.1	1854.4
45°	2082.5	2093.9	2157.6	2239.8	2291.4	2307.9	2238.2	2128.3	2011.1	1972.3	1973.9
47.5°	2161.1	2176.1	2246.2	2343.0	2418.1	2443.6	2375.1	2259.8	2132.5	2085.3	2089.5
50°	2232.5	2240.4	2311.4	2417.2	2512.7	2565.3	2506.7	2389.8	2255.1	2205.1	2209.5
52.5°	2272.3	2282.5	2351.2	2461.4	2574.5	2659.2	2623.5	2506.7	2373.5	2324.8	2330.2
55°	2244.6	2252.2	2334.7	2471.3	2612.7	2717.2	2722.6	2621.0	2489.8	2447.1	2462.4
57.5°	2118.4	2128.0	2228.6	2407.6	2617.5	2756.3	2797.1	2727.0	2598.4	2563.7	2572.6
60°	1921.3	1927.4	2034.7	2236.0	2524.5	2772.6	2844.6	2813.7	2704.7	2670.0	2682.1
62.5°	1570.0	1579.0	1707.3	1977.0	2328.0	2724.5	2890.4	2885.3	2803.8	2771.9	2782.8
65°	1073.2	1088.8	1230.9	1572.0	2025.1	2577.4	2932.1	2968.8	2891.4	2851.2	2865.6
67.5°	648.1	659.5	762.4	1037.9	1549.7	2280.5	2889.1	3063.7	2953.2	2888.5	2900.3
68°	579.3	589.8	675.8	936.6	1433.4	2196.8	2850.0	3074.5	2959.8	2887.9	2898.4
70°	350.0	357.0	414.6	579.0	955.7	1742.7	2582.8	3065.6	3002.5	2896.8	2902.8
72.5°	228.0	230.3	239.8	297.1	488.2	974.5	1938.5	2856.7	3066.5	2948.7	2947.7
75°	189.5	188.2	189.2	195.9	240.8	427.4	1132.8	2256.7	2923.2	2866.8	2846.8
77.5°	160.2	159.2	158.9	159.2	161.1	206.4	491.7	1405.7	2236.9	2536.0	2553.8
80°	129.6	128.3	132.5	130.6	124.8	128.3	206.0	584.7	1054.4	1134.4	1063.0
82.5°	94.3	89.5	107.3	102.2	97.5	90.4	113.7	188.9	251.6	172.6	121.3
85°	72.6	67.5	81.5	78.3	66.9	46.2	67.5	92.4	101.9	58.3	45.9
87.5°	29.6	31.2	58.9	46.5	39.2	22.3	27.7	36.9	49.7	24.8	19.1
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)