

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: P451539

Luminaire Tested: **GLAN-SA2B-830-U-SLR**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P451539  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-830-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7838 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

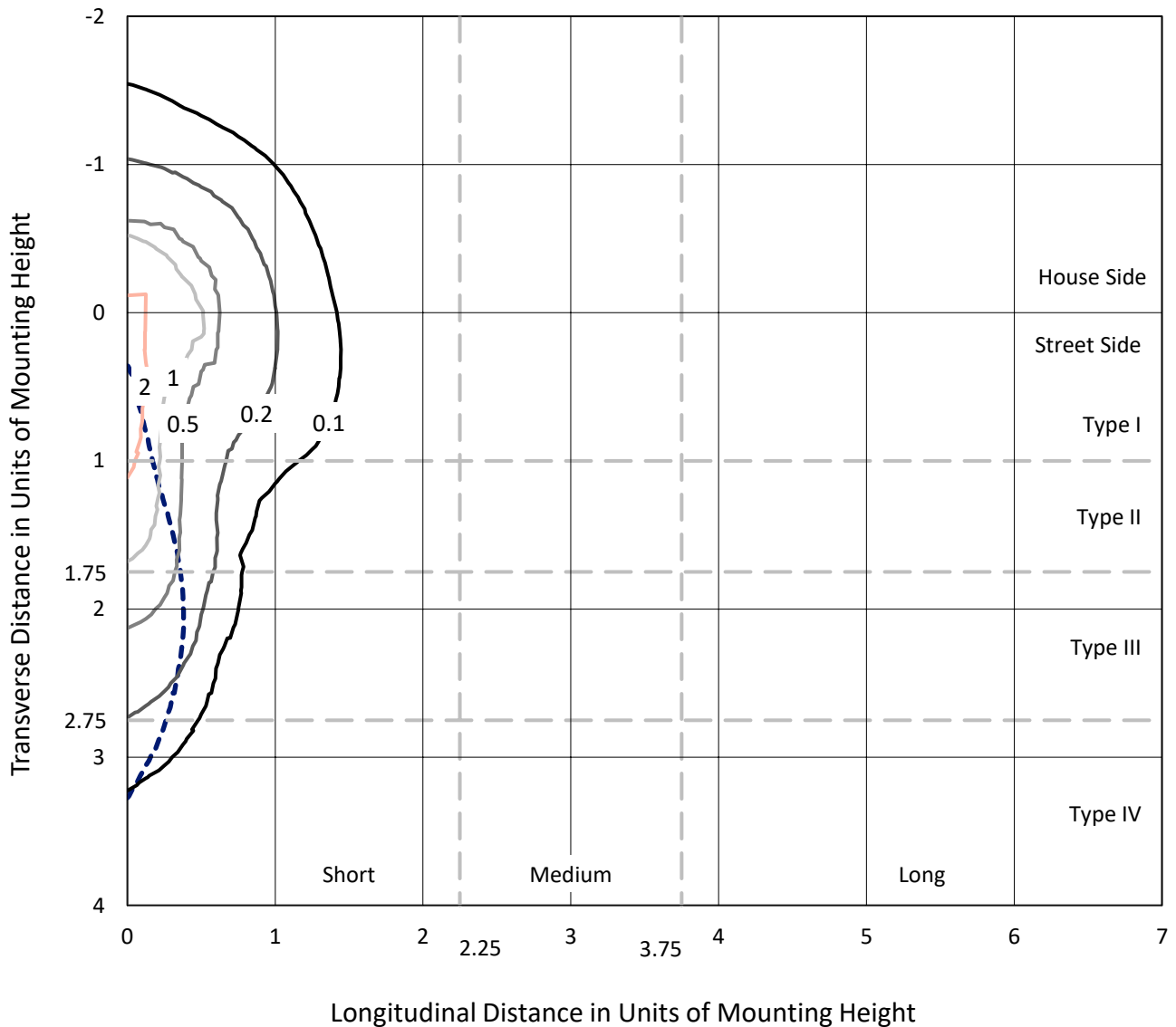
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

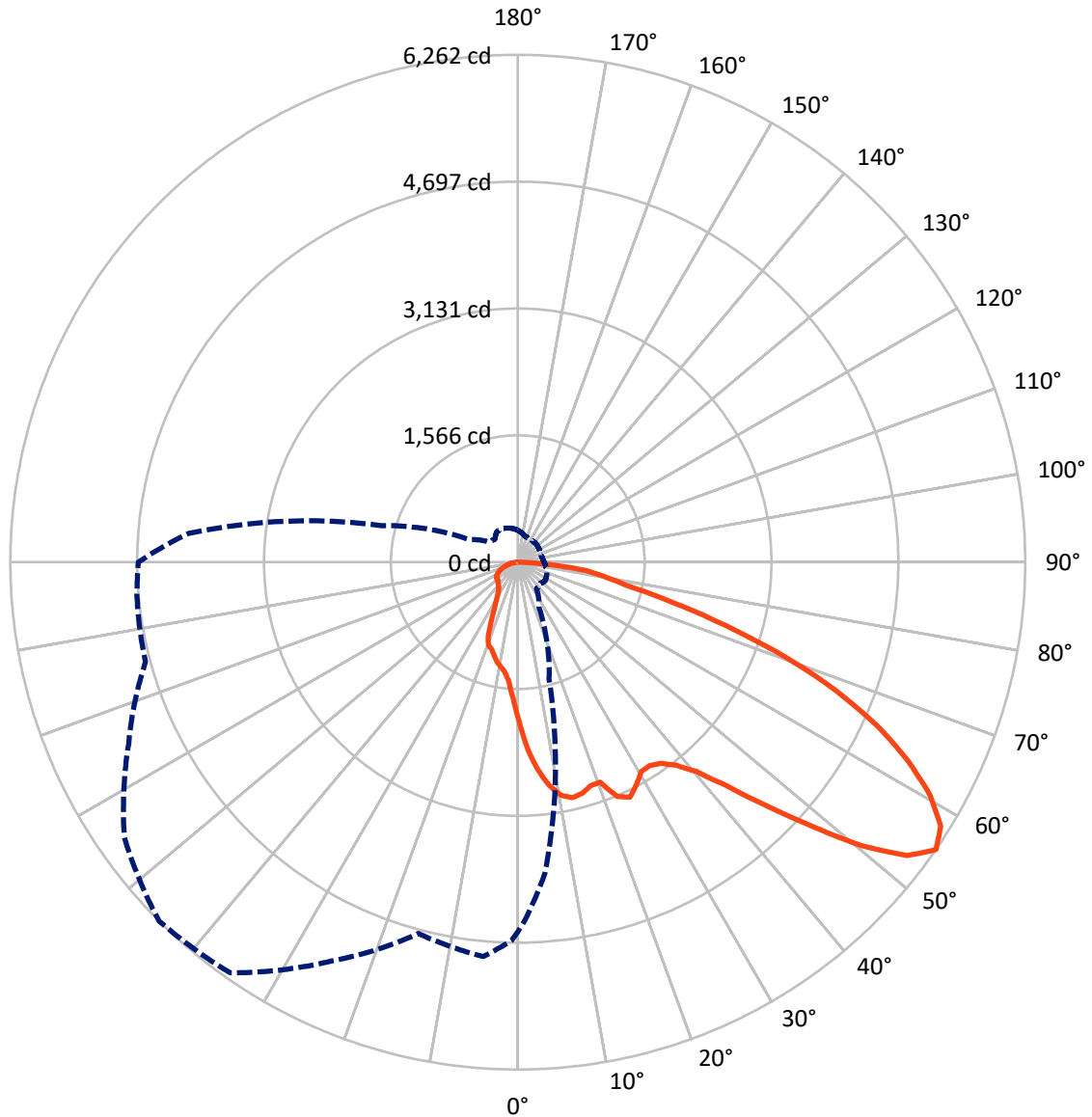
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1714.5	0.0	1714.5
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	6123.5	0.0	6123.5
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	7838.0	0.0	7838.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.7	2.1
10°-20°	442.3	5.6
20°-30°	764.1	9.7
30°-40°	888.0	11.3
40°-50°	1238.9	15.8
50°-60°	1681.1	21.4
60°-70°	1599.3	20.4
70°-80°	864.0	11.0
80°-90°	193.6	2.5
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°	7838.0	100.0
0°-180°	7838.0	100.0

**Coefficient of Utilization**



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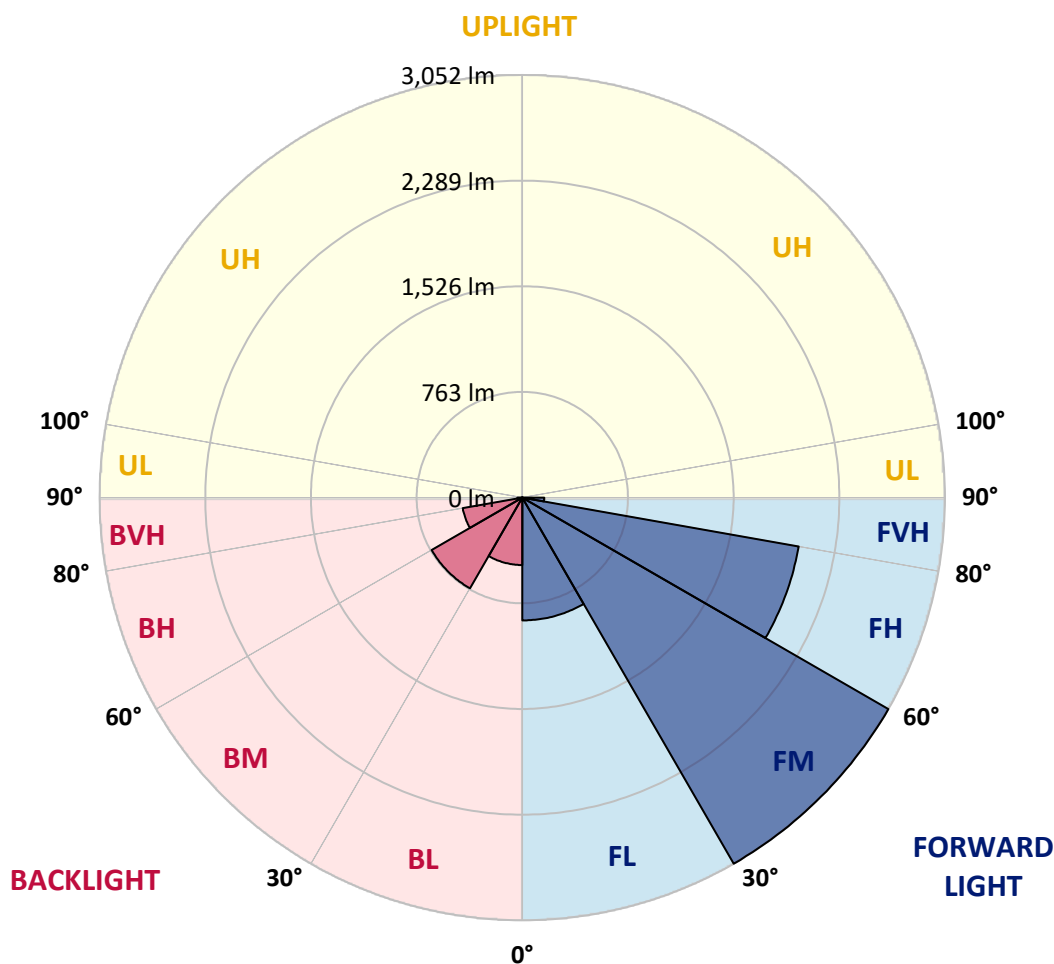
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	886.5	11.3			
FM	(30°-60°)	3052.0	38.9			
FH	(60°-80°)	2026.8	25.9			G2/5000
FVH	(80°-90°)	158.3	2.0			G2/225
BL	(0°-30°)	486.6	6.2	B1/500		
BM	(30°-60°)	756.0	9.6	B1/1000		
BH	(60°-80°)	436.6	5.6	B1/500		G1/500
BVH	(80°-90°)	35.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0
2.5°	2185.2	2177.0	2153.7	2092.7	2031.2	1968.6	1920.5	1860.5	1797.9	1764.3	1721.4
5°	2215.2	2205.9	2151.1	2013.6	1889.0	1758.1	1653.7	1562.1	1524.9	1470.1	1426.1
7.5°	2144.9	2140.8	2058.6	1861.0	1690.4	1519.2	1400.8	1327.4	1260.7	1235.9	1241.0
10°	2080.8	2064.2	1961.3	1703.3	1504.2	1365.1	1280.3	1208.5	1161.4	1149.0	1151.6
12.5°	2027.5	2005.3	1883.8	1597.3	1423.0	1311.9	1203.8	1128.8	1085.9	1097.8	1138.1
15°	2016.7	1986.7	1851.2	1561.1	1378.6	1235.3	1116.9	1030.6	998.5	1024.4	1089.0
17.5°	2087.0	2049.3	1907.0	1573.0	1336.2	1157.3	1012.0	913.2	886.3	927.7	1012.0
20°	2313.0	2257.1	2081.3	1641.8	1332.0	1118.5	950.9	851.7	863.0	941.6	1029.5
22.5°	2730.8	2647.0	2386.4	1742.1	1353.8	1108.7	938.5	886.8	949.4	1016.1	1074.0
25°	2813.5	2747.8	2441.2	1764.8	1349.1	1101.9	973.7	999.5	1069.4	1102.4	1082.3
27.5°	2860.1	2785.1	2437.6	1652.1	1206.4	999.5	930.8	973.7	991.3	959.2	904.4
30°	2968.6	2890.6	2499.1	1533.7	993.3	741.5	650.0	632.4	644.3	650.5	630.9
32.5°	3118.1	3041.0	2615.0	1456.1	858.9	613.3	523.3	498.5	492.8	486.1	478.3
35°	3311.5	3193.1	2728.7	1406.5	803.6	567.3	484.5	465.4	457.6	448.3	440.0
37.5°	3508.0	3383.9	2872.5	1354.3	766.9	535.2	458.7	449.9	436.4	426.6	414.7
40°	3716.9	3577.8	3003.3	1308.8	731.2	514.5	440.0	439.0	421.4	410.1	396.1
42.5°	3897.9	3754.6	3120.2	1280.8	703.8	492.8	428.7	431.8	413.7	396.6	378.5
45°	4041.6	3901.0	3228.2	1280.8	681.5	471.1	426.6	424.5	406.4	385.2	364.6
47.5°	4167.8	4022.5	3333.7	1313.4	667.6	453.0	415.2	418.8	400.2	373.3	353.2
50°	4265.5	4137.3	3475.9	1364.1	653.6	438.5	400.7	420.4	395.1	367.1	343.9
52.5°	4390.1	4275.3	3647.1	1433.4	641.7	422.5	387.8	420.4	394.5	367.7	342.3
55°	4562.9	4441.9	3853.4	1490.8	622.6	407.5	376.4	408.5	393.0	365.1	338.2
57.5°	4683.9	4593.4	3999.2	1529.1	595.2	388.3	366.1	397.1	386.3	355.2	325.8
58°	4689.5	4601.1	4020.4	1537.8	588.5	384.7	363.5	392.0	383.2	351.1	321.6
60°	4624.4	4548.4	4024.6	1525.4	550.2	366.6	350.1	370.8	366.6	326.8	299.4
62.5°	4387.6	4306.4	3857.5	1424.6	499.5	344.4	329.4	342.3	333.0	292.7	267.3
65°	4050.9	3901.5	3514.2	1266.4	463.3	320.6	301.5	302.5	292.7	263.7	241.5
67.5°	3602.6	3435.6	2975.4	1067.3	435.9	294.2	268.4	265.8	253.9	235.3	217.2
70°	3050.9	2936.6	2417.9	868.2	405.4	265.3	231.1	229.6	222.4	208.4	192.4
72.5°	2472.8	2327.4	1952.6	695.0	368.2	237.3	196.5	199.6	190.3	180.5	166.0
75°	1824.8	1729.7	1509.4	557.4	318.0	206.8	163.9	165.0	160.8	150.5	139.1
77.5°	1201.7	1173.3	1079.7	366.1	244.6	164.4	133.9	135.0	131.9	122.6	110.7
80°	808.7	789.6	731.7	235.8	163.4	118.9	103.4	104.5	103.9	94.1	78.1
82.5°	498.5	490.2	471.6	159.3	113.2	85.3	68.3	71.4	77.0	66.2	53.3
85°	235.3	235.8	284.9	86.9	66.7	54.8	37.2	39.8	39.8	39.8	30.0
87.5°	30.5	32.1	39.3	36.7	24.3	20.7	13.4	11.4	9.8	12.9	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0
2.5°	1706.4	1696.1	1673.8	1668.7	1665.6	1674.4	1651.1	1657.3	1646.9	1675.9	1671.3
5°	1428.7	1429.8	1447.9	1459.8	1463.9	1459.8	1444.2	1417.4	1396.7	1388.4	1390.5
7.5°	1231.2	1249.3	1280.3	1315.0	1346.5	1355.8	1347.0	1295.8	1240.0	1204.8	1193.5
10°	1165.5	1189.8	1225.5	1252.9	1280.8	1303.1	1307.7	1267.9	1201.7	1118.5	1085.9
12.5°	1169.2	1202.2	1236.4	1245.2	1242.6	1251.4	1247.2	1240.5	1197.1	1091.1	1036.8
15°	1135.0	1174.3	1198.1	1193.5	1185.2	1177.4	1166.6	1149.5	1134.0	1059.5	999.5
17.5°	1056.4	1096.8	1116.4	1118.0	1118.0	1115.9	1089.5	1083.3	1081.2	1045.1	1008.3
20°	1070.9	1093.1	1084.3	1069.9	1074.0	1088.0	1072.5	1069.4	1081.2	1097.3	1090.6
22.5°	1079.2	1071.4	1005.2	941.1	926.6	970.1	978.9	1013.5	1061.6	1119.5	1157.3
25°	1028.0	965.4	847.0	774.6	733.8	774.1	826.8	891.0	962.8	1037.3	1081.2
27.5°	859.4	811.8	727.0	661.9	626.2	632.4	677.4	735.8	802.5	852.7	884.8
30°	647.4	626.2	582.2	560.0	538.3	533.1	552.3	574.5	604.0	610.2	618.4
32.5°	476.8	473.7	476.2	469.0	464.9	464.4	458.7	463.8	466.9	470.6	463.3
35°	431.3	427.1	419.9	417.8	415.2	416.3	413.7	411.1	413.2	416.3	418.3
37.5°	408.0	401.8	391.4	387.8	387.8	389.4	385.2	384.2	387.8	397.6	402.8
40°	389.9	382.7	370.8	366.1	369.2	373.3	367.7	365.6	374.4	384.7	393.0
42.5°	372.8	367.1	355.8	350.6	353.2	360.9	352.7	351.1	362.5	373.9	383.7
45°	358.3	352.7	342.3	339.7	340.8	348.0	342.3	342.3	353.2	365.6	374.4
47.5°	347.0	339.7	333.0	330.9	332.0	336.1	335.1	335.1	345.4	358.3	367.1
50°	335.6	329.4	320.6	321.6	324.2	329.9	329.4	330.9	341.3	357.3	366.6
52.5°	330.4	321.1	311.3	312.3	320.1	326.8	324.7	326.3	338.2	368.2	381.6
55°	324.7	312.3	300.9	302.5	311.3	321.1	318.5	320.6	334.6	375.4	394.0
57.5°	313.9	299.4	287.0	288.0	300.9	311.3	307.2	309.7	326.3	367.7	387.3
58°	309.2	296.8	284.9	285.4	297.8	309.2	304.6	306.6	323.7	365.6	384.2
60°	289.6	282.3	272.0	272.5	284.4	294.2	291.6	293.7	310.3	350.6	364.6
62.5°	262.7	258.5	256.0	256.0	263.2	272.5	275.1	277.7	292.7	317.0	329.4
65°	233.7	233.7	234.2	234.2	238.9	250.8	252.3	259.1	273.0	284.9	294.2
67.5°	214.1	213.0	214.1	211.5	213.6	220.8	228.6	234.8	249.2	257.5	260.6
70°	188.7	188.2	188.7	185.1	187.7	193.9	199.1	209.4	224.4	230.6	232.2
72.5°	163.9	163.9	165.0	162.4	162.4	169.1	172.7	184.1	198.0	201.7	202.2
75°	138.1	139.6	139.6	136.0	137.0	141.2	145.8	155.1	168.1	170.6	170.6
77.5°	109.6	115.3	115.3	111.7	113.2	113.8	120.0	124.6	134.4	135.5	131.3
80°	79.6	85.3	90.0	86.9	89.5	86.4	90.0	93.1	102.9	98.2	91.5
82.5°	56.9	61.0	64.6	65.2	62.6	56.9	61.5	62.1	66.7	60.5	56.9
85°	31.5	35.2	39.8	37.7	33.6	30.0	31.5	32.6	32.1	30.5	28.4
87.5°	8.3	8.8	9.8	7.2	6.7	5.7	7.8	7.8	8.8	9.3	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0
2.5°	1674.9	1697.6	1746.7	1784.0	1829.5	1884.8	1950.0	2015.6	2086.5	2108.7	2139.7
5°	1385.8	1442.7	1466.5	1534.2	1601.4	1702.3	1809.8	1934.5	2071.0	2136.6	2199.7
7.5°	1184.1	1214.7	1239.5	1289.1	1369.8	1492.3	1627.3	1782.9	1976.3	2072.0	2164.6
10°	1075.6	1078.7	1109.2	1170.7	1241.0	1349.1	1476.8	1651.1	1866.7	1983.1	2091.7
12.5°	1003.7	990.2	1023.3	1087.5	1167.1	1266.9	1384.3	1550.3	1787.6	1907.0	2038.4
15°	940.6	919.4	944.2	1009.9	1088.5	1205.9	1332.0	1507.9	1756.6	1895.7	2041.5
17.5°	942.1	883.7	892.5	947.8	1025.9	1145.4	1298.4	1506.3	1803.6	1963.9	2136.6
20°	1058.5	964.9	925.1	935.4	1010.9	1141.2	1313.9	1578.7	1958.2	2192.0	2376.6
22.5°	1172.8	1116.4	1052.3	1031.1	1072.5	1209.0	1412.7	1749.9	2294.4	2646.5	2980.0
25°	1133.0	1181.0	1165.0	1135.0	1144.3	1257.6	1479.9	1890.5	2555.5	2952.1	3265.5
27.5°	906.5	993.9	1011.4	1010.9	1014.5	1107.6	1331.0	1795.9	2588.1	3010.5	3309.9
30°	637.1	644.8	654.1	672.2	688.8	772.0	1041.4	1576.6	2573.6	3036.9	3336.8
32.5°	459.7	470.0	483.0	507.8	547.1	653.1	911.1	1506.8	2650.1	3146.0	3415.4
35°	420.4	432.3	444.7	473.1	510.4	608.6	859.4	1477.9	2775.8	3322.9	3556.6
37.5°	408.0	421.4	432.3	453.0	483.0	576.6	812.4	1458.2	2904.5	3510.0	3745.8
40°	399.2	414.7	423.5	440.0	460.7	547.1	770.5	1442.7	3029.1	3681.2	3897.9
42.5°	391.4	407.5	418.8	430.7	447.8	520.7	733.2	1427.2	3137.2	3847.2	4049.4
45°	382.1	402.3	416.8	426.1	441.1	498.5	704.8	1414.8	3260.3	3994.6	4202.4
47.5°	374.4	396.6	414.7	425.6	431.3	483.0	682.0	1431.8	3408.2	4148.7	4344.6
50°	374.9	396.1	418.8	435.9	420.9	470.0	668.1	1499.6	3600.5	4331.7	4456.8
52.5°	391.4	417.3	435.4	439.5	406.4	454.5	660.8	1618.0	3828.1	4493.6	4570.1
55°	410.1	436.9	456.6	454.0	398.7	434.9	659.3	1744.2	4077.3	4682.3	4717.5
57.5°	403.3	442.6	472.6	459.2	399.2	415.7	652.6	1846.0	4285.7	4823.5	4863.3
58°	401.3	440.6	474.7	458.1	397.6	410.1	651.0	1854.8	4314.6	4833.3	4884.0
60°	381.1	422.5	473.1	450.4	388.9	394.5	634.0	1883.3	4306.9	4782.6	4896.4
62.5°	344.4	378.5	437.5	412.6	362.0	373.9	595.7	1848.1	4096.9	4538.5	4714.9
65°	303.0	328.4	367.7	363.0	323.7	352.7	543.5	1709.0	3676.6	4142.5	4328.1
67.5°	272.0	292.7	317.5	310.8	291.1	324.2	487.1	1473.7	3205.0	3666.7	3900.5
70°	240.4	256.5	268.9	264.2	258.0	296.3	436.9	1196.0	2753.0	3214.8	3441.3
72.5°	208.4	223.4	233.7	227.0	223.4	266.8	396.1	928.2	2174.4	2652.2	2943.3
75°	174.3	189.3	196.5	188.7	186.7	235.3	335.6	693.4	1631.4	2044.6	2295.9
77.5°	135.0	151.0	160.3	157.7	158.7	193.4	271.0	474.7	1166.6	1393.6	1658.3
80°	94.6	112.2	118.4	115.8	123.1	147.4	191.3	301.5	804.6	904.4	1091.1
82.5°	58.4	75.0	76.0	78.6	83.8	109.1	144.3	183.6	505.2	522.3	657.7
85°	29.5	35.7	38.3	42.4	47.1	66.7	82.2	113.8	325.3	246.1	367.7
87.5°	9.8	10.3	12.4	15.5	19.1	27.4	35.2	46.5	80.7	44.5	113.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GLAN-SA2B-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0	1967.0
2.5°	2202.3	2246.3	2278.3	2307.8	2279.4	2276.8	2248.8	2203.9	2185.2	2185.2
5°	2332.1	2435.0	2518.3	2571.5	2548.8	2494.0	2403.5	2288.1	2226.1	2215.2
7.5°	2367.8	2571.0	2725.6	2780.4	2742.2	2621.2	2447.9	2253.5	2164.6	2144.9
10°	2346.1	2610.3	2837.3	2924.2	2870.9	2687.9	2451.6	2213.2	2103.5	2080.8
12.5°	2323.3	2615.5	2858.0	2983.6	2949.0	2741.6	2477.9	2186.8	2060.1	2027.5
15°	2339.9	2617.5	2832.6	2962.4	2984.7	2806.3	2521.4	2205.9	2051.3	2016.7
17.5°	2444.3	2656.8	2796.5	2901.4	2979.5	2894.2	2644.9	2297.5	2129.9	2087.0
20°	2662.5	2750.9	2817.1	2898.3	3024.0	3073.6	2897.8	2548.8	2350.7	2313.0
22.5°	3294.4	3278.4	3142.9	3141.4	3323.4	3522.5	3510.6	3059.7	2761.8	2730.8
25°	3531.2	3456.8	3260.8	3213.2	3293.4	3600.5	3556.1	3164.1	2889.0	2813.5
27.5°	3438.7	3254.1	3125.3	3114.5	3088.1	3378.2	3485.2	3206.5	2933.5	2860.1
30°	3433.0	3161.5	2977.4	2999.2	3024.5	3301.7	3524.5	3339.4	3047.2	2968.6
32.5°	3447.0	3174.5	2988.3	2992.4	3067.9	3313.0	3568.0	3484.2	3196.7	3118.1
35°	3503.3	3247.9	3057.6	3047.8	3165.7	3387.5	3641.9	3711.7	3400.9	3311.5
37.5°	3594.3	3394.2	3184.3	3181.7	3352.8	3521.9	3733.9	3941.3	3604.2	3508.0
40°	3728.3	3565.4	3409.7	3395.8	3607.3	3740.7	3853.4	4185.9	3840.5	3716.9
42.5°	3890.1	3770.7	3707.1	3762.4	3965.6	3986.3	4039.6	4411.9	4041.6	3897.9
45°	4040.1	4034.4	4122.8	4269.7	4388.1	4264.0	4234.0	4563.4	4197.8	4041.6
47.5°	4218.5	4372.6	4639.4	4854.5	4978.6	4587.2	4400.0	4662.1	4311.5	4167.8
50°	4399.4	4777.4	5203.5	5503.4	5529.8	4938.3	4514.2	4755.2	4415.0	4265.5
52.5°	4589.7	5100.6	5667.9	6016.4	5965.2	5243.9	4624.9	4818.3	4521.5	4390.1
55°	4755.2	5298.7	5927.5	6262.0	6187.0	5430.0	4744.4	4886.6	4673.5	4562.9
57.5°	4847.8	5315.2	5862.8	6155.0	6073.8	5393.8	4799.2	4937.2	4770.7	4683.9
58°	4861.2	5293.0	5805.4	6092.9	6010.2	5363.3	4798.6	4935.2	4776.9	4689.5
60°	4849.3	5148.7	5591.9	5847.8	5761.0	5172.0	4779.0	4896.4	4698.3	4624.4
62.5°	4739.2	4898.4	5223.2	5409.3	5384.5	4873.1	4698.3	4750.0	4458.9	4387.6
65°	4594.4	4557.2	4751.1	4882.9	4901.5	4649.2	4618.2	4433.6	4151.8	4050.9
67.5°	4418.6	4170.4	4169.9	4244.8	4275.9	4304.8	4451.2	4089.7	3709.1	3602.6
70°	4120.2	3574.2	3409.7	3498.2	3472.3	3716.9	4152.8	3606.7	3175.5	3050.9
72.5°	3573.1	2836.3	2573.1	2686.8	2621.7	2914.9	3633.6	2968.1	2625.8	2472.8
75°	2896.3	2121.6	1850.2	1954.6	1914.3	2211.1	3023.5	2155.8	1883.3	1824.8
77.5°	2248.8	1537.3	1379.6	1365.1	1395.1	1645.4	2217.8	1455.6	1241.5	1201.7
80°	1444.8	1100.4	1109.7	1091.1	1106.6	1037.3	1346.5	928.7	840.8	808.7
82.5°	950.9	766.9	914.2	843.9	801.5	697.6	883.2	608.1	516.1	498.5
85°	647.9	564.7	514.0	393.0	462.8	537.3	662.4	327.3	259.6	235.3
87.5°	292.7	196.5	144.3	88.9	140.7	162.4	321.6	38.3	29.5	30.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)