

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: P451397

Luminaire Tested: **GLAN-SA2B-730-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451397
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10481 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - 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

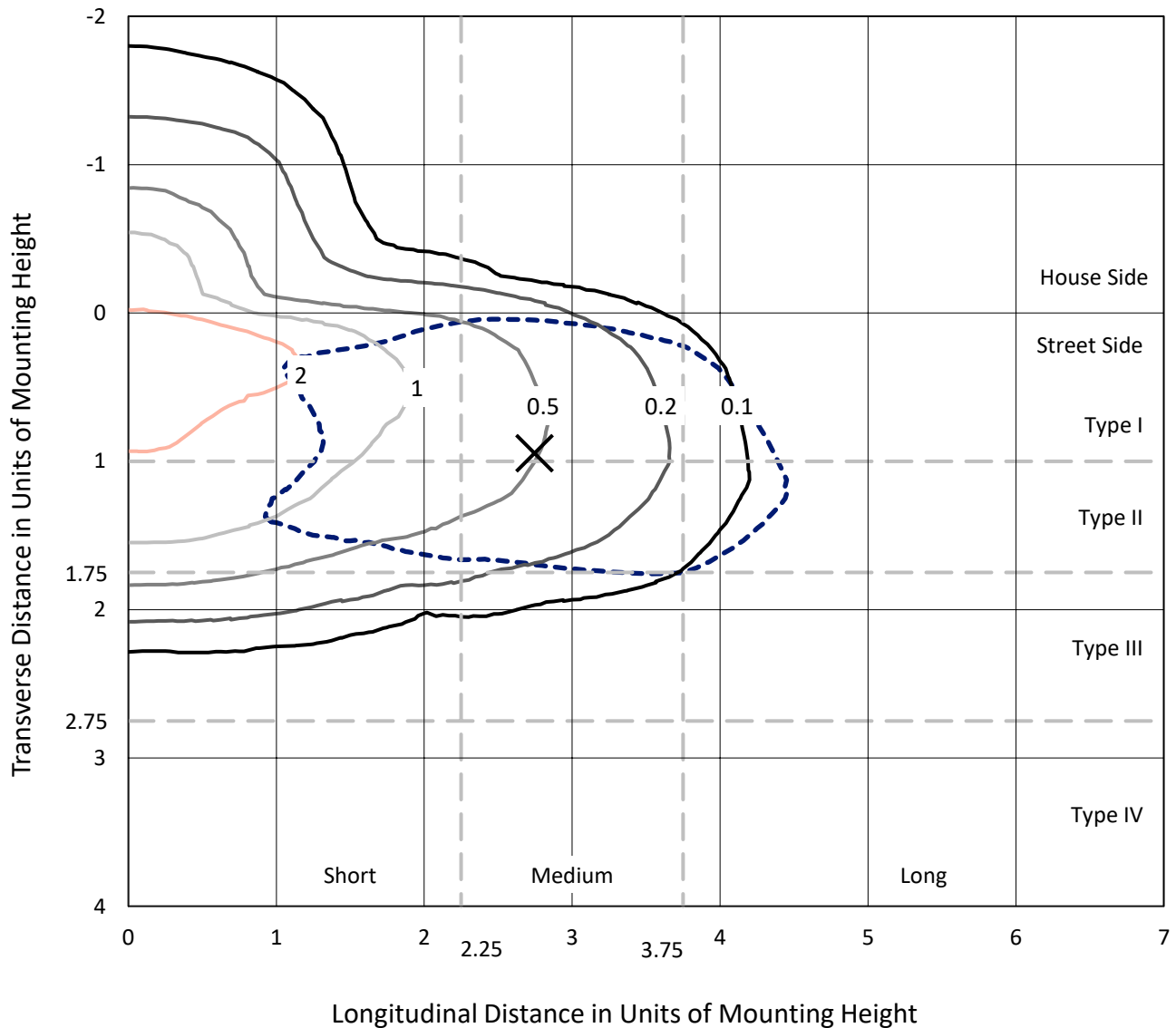


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

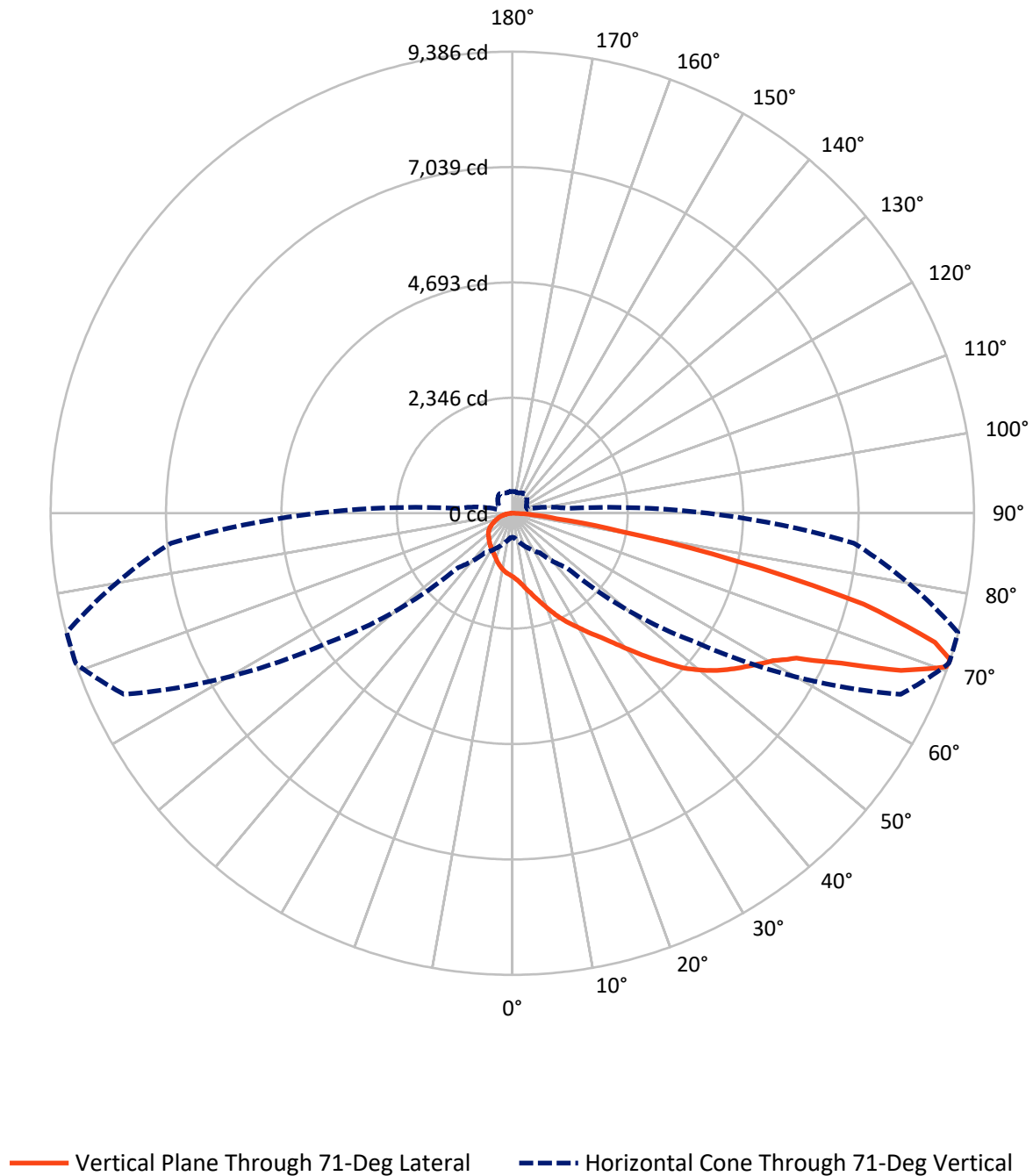


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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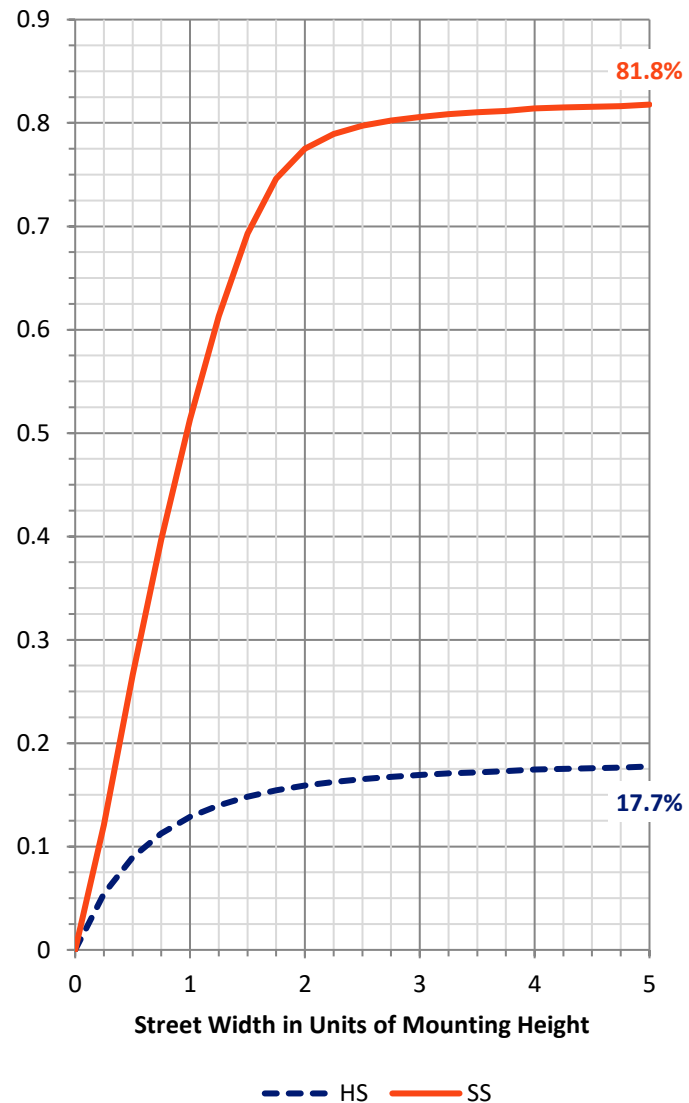
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1885.0	0.0	1885.0
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	8596.0	0.0	8596.0
	% Fixture	82.0	0.0	82.0
Total	Lumens	10481.0	0.0	10481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	1.2
10°-20°	419.6	4.0
20°-30°	733.3	7.0
30°-40°	1090.7	10.4
40°-50°	1607.0	15.3
50°-60°	2249.9	21.5
60°-70°	2516.4	24.0
70°-80°	1537.1	14.7
80°-90°	197.7	1.9
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°	10481.0	100.0
0°-180°	10481.0	100.0

Coefficient of Utilization



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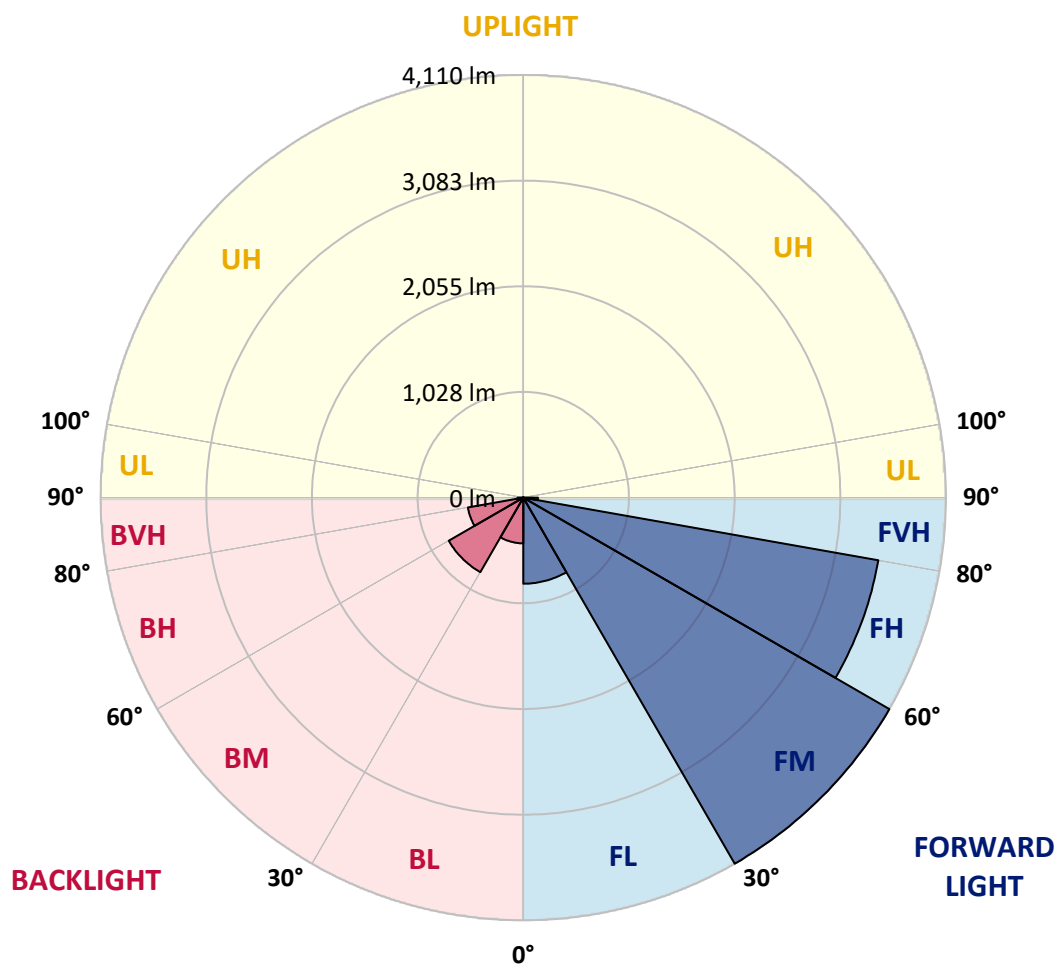
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	837.4	8.0			
FM	(30°-60°)	4110.4	39.2			
FH	(60°-80°)	3505.9	33.4			G2/5000
FVH	(80°-90°)	142.3	1.4			G2/225
BL	(0°-30°)	444.7	4.2	B1/500		
BM	(30°-60°)	837.2	8.0	B1/1000		
BH	(60°-80°)	547.7	5.2	B2/1000		G2/1000
BVH	(80°-90°)	55.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1428.0	1421.1	1421.7	1411.9	1399.2	1385.4	1365.8	1348.6	1334.7	1326.7	1303.0
5°	1582.4	1575.5	1566.9	1545.6	1536.3	1502.4	1459.2	1420.0	1390.0	1373.3	1326.1
7.5°	1707.4	1705.7	1703.4	1691.3	1667.7	1620.4	1583.6	1515.6	1471.3	1439.6	1358.9
10°	1784.6	1787.5	1789.2	1791.5	1781.7	1757.0	1706.3	1620.4	1564.0	1523.7	1401.5
12.5°	1823.8	1826.7	1836.5	1857.8	1871.0	1868.2	1826.7	1742.6	1664.8	1611.8	1447.1
15°	1848.0	1852.6	1869.9	1898.1	1942.5	1970.7	1950.5	1872.8	1787.5	1724.7	1501.2
17.5°	1874.5	1879.7	1898.7	1939.0	1997.2	2058.3	2080.1	2013.3	1920.6	1845.7	1561.7
20°	1889.5	1896.4	1923.5	1976.5	2044.4	2133.1	2205.7	2170.6	2069.2	1986.2	1631.4
22.5°	1913.7	1919.4	1942.5	1998.9	2080.1	2191.3	2331.3	2323.8	2234.5	2127.4	1708.0
25°	1979.3	1988.5	2000.1	2034.1	2112.4	2250.7	2435.6	2487.4	2394.7	2274.9	1778.3
27.5°	2103.2	2110.7	2110.1	2114.7	2159.1	2301.9	2526.0	2649.3	2553.7	2424.0	1846.3
30°	2244.3	2247.2	2249.5	2239.1	2248.9	2354.3	2609.0	2809.4	2713.8	2577.3	1905.6
32.5°	2416.0	2421.7	2402.2	2375.7	2367.6	2432.1	2677.5	2969.6	2903.3	2732.8	1964.4
35°	2618.8	2633.7	2594.0	2547.3	2514.5	2543.9	2769.7	3133.2	3097.5	2931.6	2042.1
37.5°	2850.3	2868.8	2831.9	2740.3	2693.6	2701.7	2890.1	3335.4	3342.9	3157.9	2157.9
40°	3039.9	3064.0	3065.2	2935.6	2864.7	2874.0	3042.7	3553.1	3639.0	3437.9	2294.4
42.5°	3164.9	3188.5	3213.2	3137.2	3062.9	3115.3	3220.7	3789.3	3971.9	3777.8	2485.1
45°	3302.0	3323.3	3337.1	3302.5	3261.1	3397.0	3435.6	4040.5	4326.8	4157.4	2693.6
47.5°	3461.0	3484.6	3497.8	3465.0	3449.4	3644.1	3667.2	4274.9	4705.8	4526.1	2924.1
50°	3672.9	3690.8	3683.9	3663.1	3659.7	3833.7	3889.5	4494.4	5018.6	4923.0	3163.1
52.5°	3936.8	3958.1	3965.6	3936.2	3923.0	3969.0	4068.7	4694.3	5303.2	5264.0	3418.3
55°	4096.3	4130.3	4244.4	4290.5	4322.2	4144.2	4261.7	4914.9	5558.4	5623.5	3692.5
57.5°	3891.8	3935.6	4190.8	4421.2	4719.1	4582.0	4535.3	5145.3	5813.6	5972.0	4020.9
60°	3393.0	3402.8	3731.7	4156.3	4755.4	5144.8	5106.2	5511.7	6090.1	6323.4	4453.5
62.5°	2353.8	2374.5	2763.3	3440.8	4307.2	5347.5	6077.4	6144.2	6486.4	6849.3	5087.7
65°	1213.8	1186.7	1541.0	2162.5	3247.2	4866.0	6864.3	7307.3	7345.9	7671.9	5980.6
67.5°	747.1	759.2	925.1	1262.7	1920.0	3536.4	6781.9	8728.4	8525.1	8681.8	6809.6
70°	561.1	576.1	690.1	864.1	1170.5	2022.0	5454.1	9072.9	9356.9	9316.6	7061.9
71°	487.9	503.5	622.1	786.3	983.3	1560.5	4595.2	8712.3	9385.7	9378.8	6966.8
72.5°	415.9	425.7	518.5	665.9	828.9	1093.9	3452.3	7813.6	8985.3	9215.2	6627.5
75°	326.6	334.1	375.6	508.1	652.7	671.7	1852.6	5857.9	7379.9	7817.7	5517.5
77.5°	266.1	271.3	292.6	377.3	503.5	475.8	971.8	3812.9	4623.4	5064.1	3250.1
80°	211.4	217.2	229.8	255.8	377.3	339.3	463.7	1932.1	2233.4	2228.8	1297.3
82.5°	164.2	165.9	180.9	187.8	258.1	240.8	251.2	818.0	906.1	936.1	468.3
85°	103.7	108.9	160.1	144.0	154.4	141.1	123.9	324.9	400.4	394.6	187.2
87.5°	31.7	33.4	54.1	61.1	68.6	61.6	45.5	95.6	116.9	126.7	46.7
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°	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1293.8	1287.5	1265.0	1246.6	1229.3	1210.3	1194.2	1189.6	1185.5	1183.8	1183.2
5°	1305.9	1286.9	1242.6	1206.3	1177.5	1151.0	1134.3	1126.8	1119.3	1119.3	1121.6
7.5°	1323.2	1288.6	1220.1	1165.9	1129.6	1104.9	1092.8	1091.6	1093.4	1095.1	1095.7
10°	1342.2	1287.5	1187.3	1119.9	1087.6	1076.1	1076.7	1086.4	1095.7	1102.6	1103.7
12.5°	1360.6	1280.6	1148.7	1076.7	1055.9	1058.2	1074.3	1096.2	1114.1	1123.9	1124.5
15°	1381.4	1269.6	1102.0	1035.8	1028.8	1046.7	1076.7	1110.1	1137.1	1153.3	1155.0
17.5°	1398.7	1251.2	1053.0	996.0	1004.6	1037.5	1079.0	1122.2	1155.0	1175.2	1178.6
20°	1418.3	1227.6	1002.3	958.0	982.8	1027.1	1074.3	1121.0	1155.0	1174.6	1179.2
22.5°	1433.8	1194.2	954.0	926.9	963.2	1014.4	1058.8	1096.2	1123.9	1134.3	1141.2
25°	1440.1	1152.1	908.4	901.5	947.6	993.7	1023.7	1045.0	1053.6	1052.5	1055.3
27.5°	1436.7	1103.7	869.3	881.4	928.0	961.4	976.4	974.7	959.1	944.7	951.6
30°	1422.3	1046.1	836.4	860.6	902.7	921.1	918.8	896.3	867.0	839.9	841.6
32.5°	1396.4	983.9	805.9	837.0	867.0	875.0	859.5	830.1	788.0	752.9	747.7
35°	1374.5	924.6	778.8	809.9	831.3	827.2	812.2	774.2	736.2	705.1	699.9
37.5°	1371.0	873.9	752.9	779.4	791.5	785.7	767.3	735.0	721.2	697.6	694.7
40°	1389.5	838.2	726.4	747.1	752.9	748.3	728.1	709.7	722.4	716.6	716.6
42.5°	1439.6	819.2	702.8	714.9	719.5	723.0	708.6	693.0	708.6	682.1	673.4
45°	1519.1	819.7	681.5	683.2	697.0	709.1	699.3	676.3	668.2	615.2	604.9
47.5°	1636.0	839.3	664.2	653.2	678.0	698.2	684.4	650.9	615.2	580.1	573.8
50°	1772.5	874.5	648.6	622.1	652.7	684.4	674.0	634.8	597.9	576.6	572.6
52.5°	1924.0	918.8	629.6	587.6	621.6	678.0	676.3	632.5	581.8	567.4	564.0
55°	2111.3	962.6	606.0	547.3	593.9	672.8	670.0	613.5	578.4	568.0	566.8
57.5°	2329.0	1026.0	572.0	506.4	562.2	651.5	645.2	602.0	566.8	559.4	558.8
60°	2679.8	1124.5	523.6	468.9	530.0	614.1	622.1	582.4	548.4	546.7	546.1
62.5°	3141.2	1262.7	473.5	430.3	492.5	565.7	588.7	555.9	528.8	537.5	538.6
65°	3778.4	1379.1	421.7	397.5	451.1	519.0	557.0	531.1	506.9	523.6	523.6
67.5°	4193.7	1381.4	374.4	363.5	409.0	479.9	523.6	501.7	478.7	506.9	508.1
70°	4107.3	1210.3	335.3	327.8	368.1	437.8	486.8	469.5	443.0	468.3	459.1
71°	3967.9	1115.2	319.7	314.0	352.0	417.6	469.5	455.1	428.6	445.3	440.1
72.5°	3745.5	968.4	294.4	295.5	327.8	392.3	445.3	430.3	403.8	413.0	411.3
75°	3166.0	845.7	251.7	256.9	281.7	349.1	396.9	385.4	358.3	358.3	356.6
77.5°	1979.3	591.0	209.1	212.0	239.1	299.0	341.0	331.2	305.3	296.7	294.4
80°	738.5	305.3	163.6	167.1	183.8	235.6	282.3	273.1	246.6	236.8	227.5
82.5°	279.4	153.2	120.4	117.5	135.4	179.7	221.2	210.3	189.5	165.9	159.0
85°	105.4	76.0	73.7	71.4	79.5	106.6	137.1	134.8	112.9	96.2	94.5
87.5°	27.7	24.8	28.8	21.3	22.5	20.2	20.7	8.6	4.0	1.7	1.2
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)