

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: P450461

Luminaire Tested: **GLAN-SA1B-730-U-SL4-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4313 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 44
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

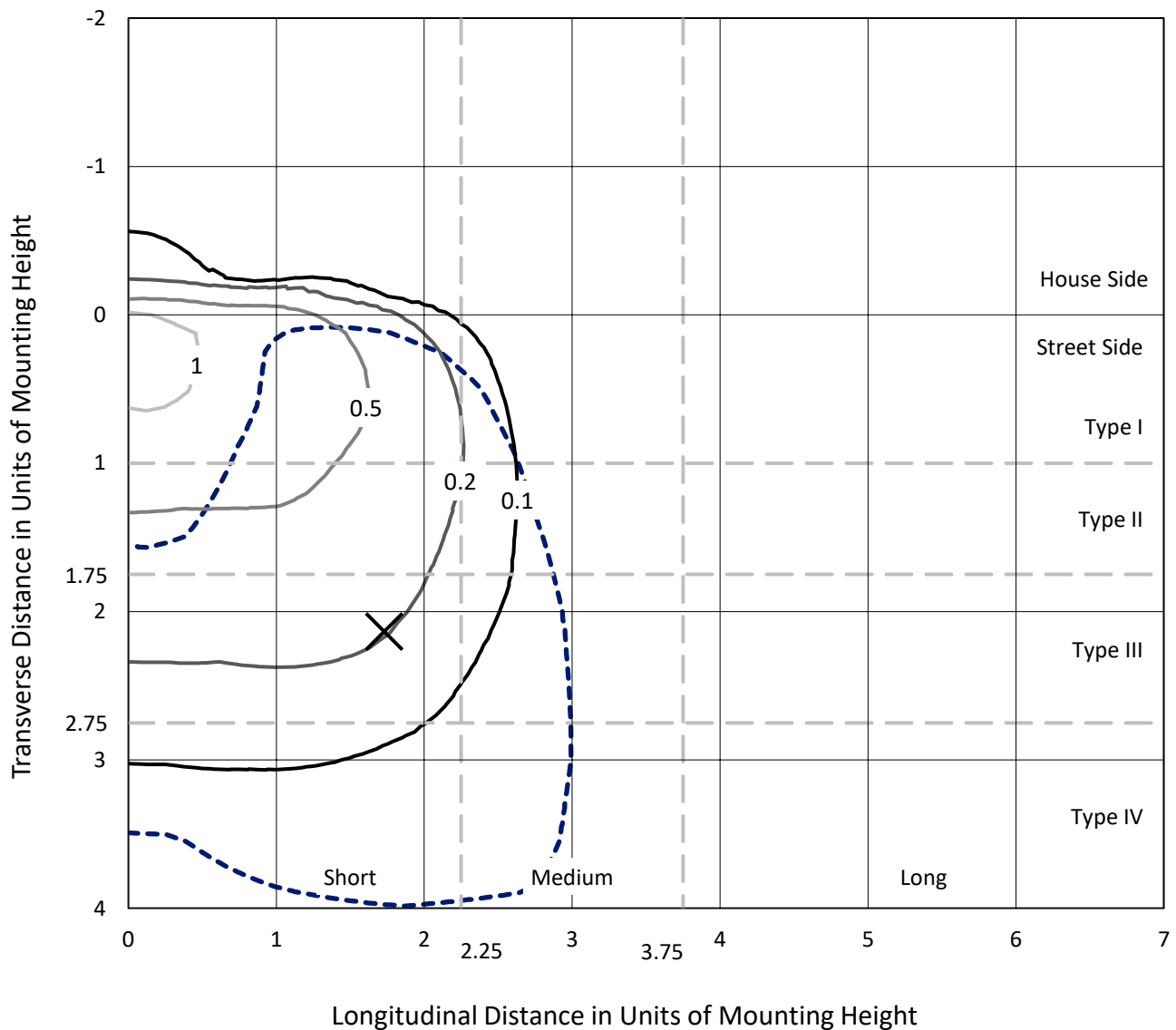


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Iso-Footcandle Lines of Horizontal Illumination

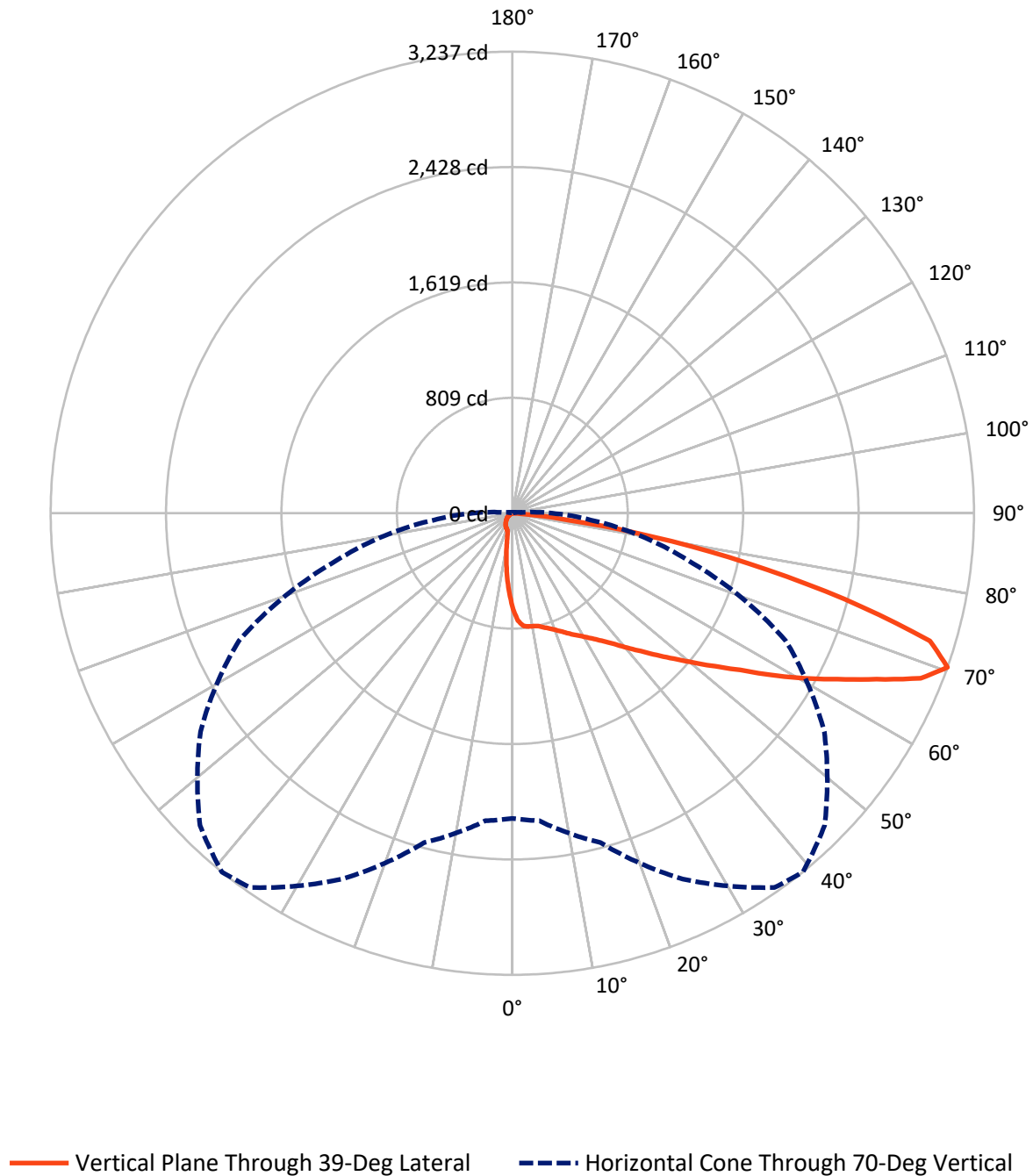
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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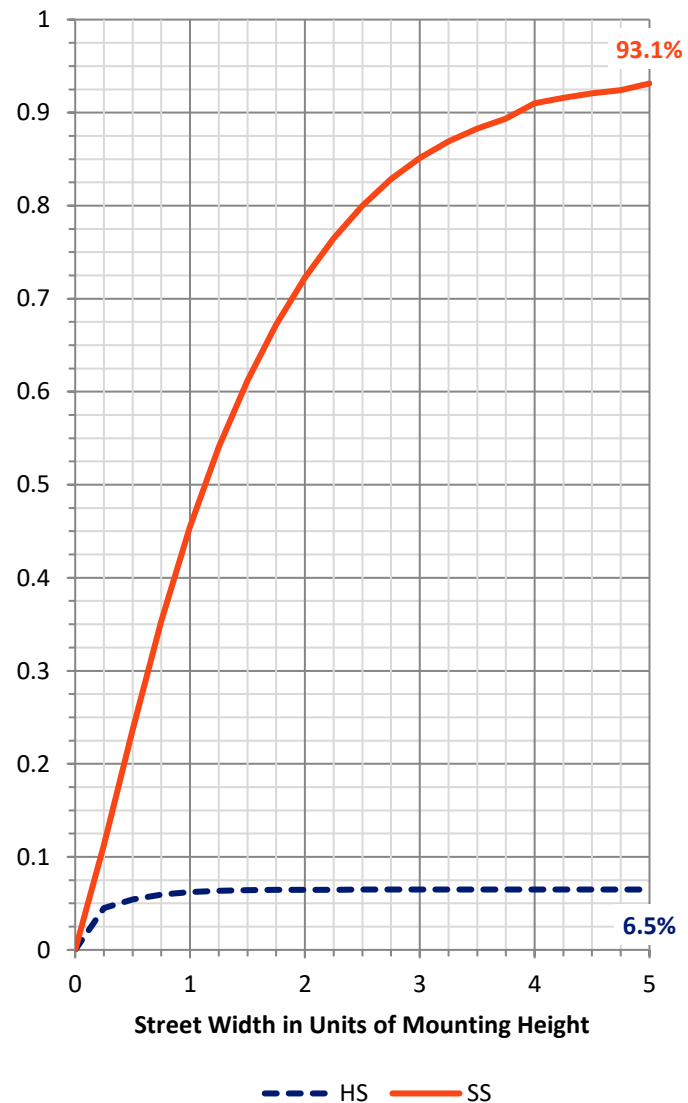
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	281.2	0.0	281.2
	% Fixture	6.5	0.0	6.5
Street Side	Lumens	4031.8	0.0	4031.8
	% Fixture	93.5	0.0	93.5
Total	Lumens	4313.0	0.0	4313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.3
10°-20°	149.2	3.5
20°-30°	249.9	5.8
30°-40°	387.6	9.0
40°-50°	614.2	14.2
50°-60°	900.3	20.9
60°-70°	1153.9	26.8
70°-80°	725.1	16.8
80°-90°	75.5	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°	4313.0	100.0
0°-180°	4313.0	100.0

Coefficient of Utilization



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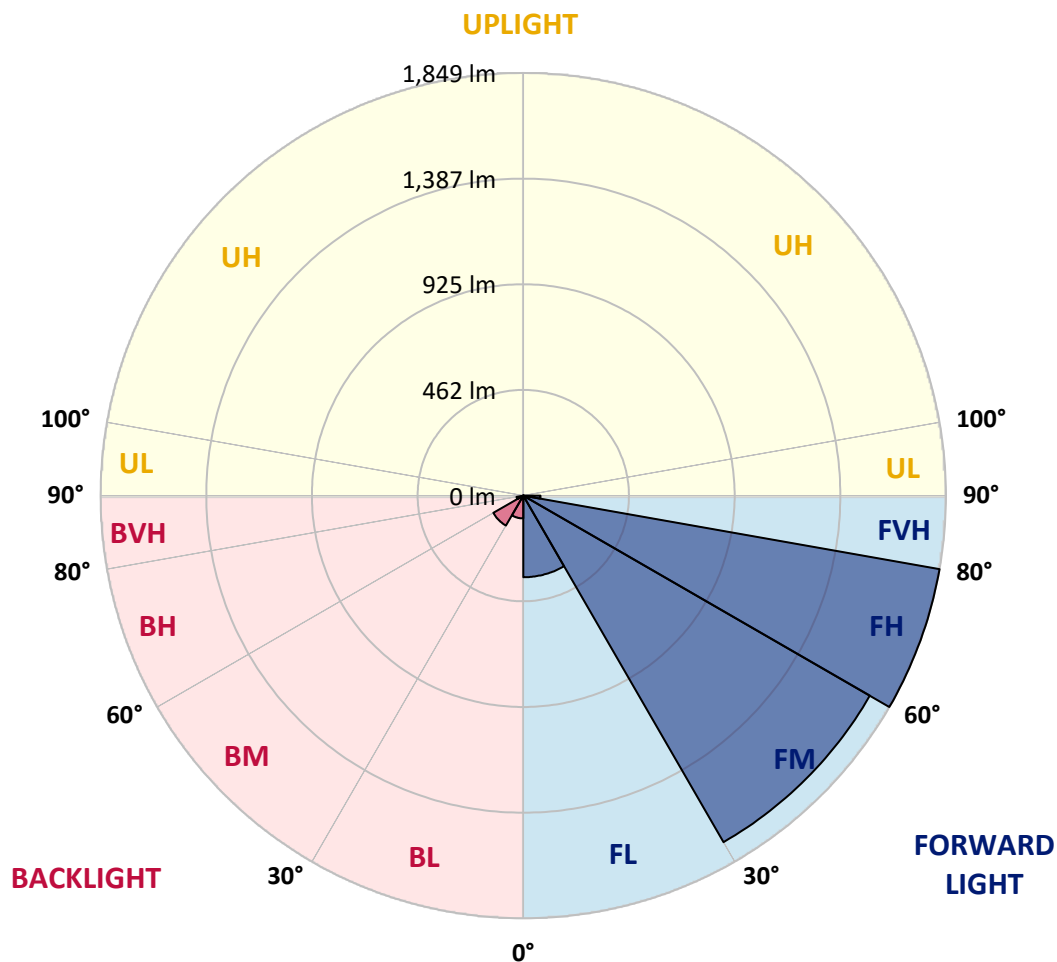
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	356.9	8.3			
FM	(30°-60°)	1750.6	40.6			
FH	(60°-80°)	1849.3	42.9			G2/5000
FVH	(80°-90°)	75.0	1.7			G1/100
BL	(0°-30°)	99.6	2.3	B0/110		
BM	(30°-60°)	151.3	3.5	B0/220		
BH	(60°-80°)	29.7	0.7	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0
2.5°	777.6	775.0	771.5	767.5	755.9	753.8	746.9	732.1	714.4	699.9	679.9
5°	814.4	815.9	813.3	806.0	797.6	792.7	784.0	761.1	738.2	708.9	676.2
7.5°	822.8	825.7	822.5	815.6	807.5	802.2	795.3	775.6	748.9	715.6	670.7
10°	821.9	825.4	823.4	817.0	810.4	805.4	797.9	782.2	760.8	725.7	672.4
12.5°	820.5	825.1	824.8	821.7	816.1	812.4	807.7	793.8	773.8	740.5	682.0
15°	816.4	822.2	827.5	830.1	830.4	830.4	824.6	809.8	790.6	759.9	694.4
17.5°	818.2	824.8	837.9	845.4	850.6	850.1	844.0	828.0	806.9	779.9	707.5
20°	828.9	837.9	856.1	871.2	876.4	874.7	866.6	848.0	824.0	797.0	720.2
22.5°	855.3	863.4	886.3	904.0	907.7	903.1	891.5	866.3	844.6	815.6	735.6
25°	894.7	904.3	925.4	938.7	938.7	936.1	919.9	890.3	867.7	841.4	755.6
27.5°	942.5	950.6	971.5	983.4	976.4	968.9	952.7	917.0	895.3	873.8	779.6
30°	990.9	996.1	1018.2	1023.4	1016.1	1006.6	989.2	953.5	934.4	917.9	814.4
32.5°	1036.7	1048.0	1066.3	1065.1	1055.3	1050.6	1034.7	996.7	986.0	984.2	863.1
35°	1082.5	1091.2	1107.4	1111.5	1102.8	1101.9	1090.3	1062.2	1062.5	1073.8	939.0
37.5°	1121.9	1129.7	1148.9	1157.9	1159.6	1163.9	1159.3	1140.8	1167.1	1198.1	1039.6
40°	1155.0	1166.0	1190.3	1206.0	1223.9	1239.9	1240.7	1244.8	1297.8	1351.2	1170.9
42.5°	1180.8	1196.1	1231.5	1260.5	1301.6	1321.9	1338.1	1360.4	1449.7	1529.4	1325.7
45°	1214.4	1232.1	1276.1	1321.6	1385.9	1419.3	1441.9	1501.6	1628.2	1736.9	1484.5
47.5°	1270.0	1279.3	1324.2	1390.6	1475.2	1522.7	1566.8	1657.2	1819.8	1917.2	1616.6
50°	1341.6	1347.7	1381.6	1473.8	1583.3	1645.9	1726.2	1832.6	2018.6	2066.7	1691.4
52.5°	1420.7	1422.8	1448.3	1565.4	1704.5	1783.3	1873.1	2004.4	2180.7	2173.4	1741.0
55°	1512.6	1509.7	1531.4	1664.8	1847.9	1938.1	2042.7	2180.4	2321.2	2249.0	1769.4
57.5°	1617.8	1610.0	1631.1	1796.6	2031.7	2139.5	2245.9	2332.2	2430.2	2312.5	1783.0
60°	1727.9	1712.3	1737.5	1944.7	2248.2	2350.5	2438.9	2462.1	2545.0	2363.0	1759.5
62.5°	1815.8	1816.0	1863.0	2102.4	2470.8	2560.3	2607.3	2628.1	2643.8	2351.9	1636.1
65°	1952.8	1957.5	2032.5	2321.2	2728.4	2806.1	2838.3	2770.4	2648.1	2215.1	1450.6
67.5°	2094.3	2109.1	2246.4	2622.6	3026.1	3088.7	3047.2	2798.0	2529.9	1903.0	1099.9
70°	2140.4	2164.7	2391.1	2830.2	3204.6	3237.1	3096.8	2669.6	2114.9	1272.3	553.6
72.5°	1961.3	2000.7	2307.9	2754.5	3090.7	3062.6	2770.7	2238.9	1344.5	483.1	169.0
75°	1383.0	1400.4	1918.1	2285.0	2485.8	2406.1	2107.6	1443.3	553.0	135.6	58.0
77.5°	714.1	705.7	1140.8	1516.1	1772.9	1690.3	1380.2	747.2	209.5	56.5	35.9
80°	369.2	375.3	493.6	794.4	1082.2	995.8	735.9	346.3	111.6	31.3	27.5
82.5°	206.9	194.2	283.7	346.9	506.0	396.8	282.3	245.2	48.7	18.8	26.1
85°	37.7	39.4	155.6	187.5	175.6	111.6	91.0	163.8	14.2	10.4	18.3
87.5°	0.6	0.6	30.1	53.9	34.2	15.7	28.7	23.5	2.9	4.1	3.2
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°	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0	673.0
2.5°	669.8	658.8	638.2	617.9	592.1	571.0	556.8	542.0	526.9	528.1	531.5
5°	658.2	639.1	598.5	555.6	514.4	477.3	440.8	408.1	394.7	382.6	383.1
7.5°	646.6	619.6	560.2	493.0	430.7	367.5	321.7	284.0	264.0	249.0	244.6
10°	641.4	605.7	525.2	432.7	344.3	275.3	216.5	185.8	162.0	154.5	156.5
12.5°	643.7	598.8	493.6	378.2	273.0	191.9	150.7	135.1	129.8	129.0	128.4
15°	648.1	593.9	462.6	317.9	200.6	142.6	126.7	123.8	123.2	122.6	122.9
17.5°	653.8	589.5	429.5	261.4	153.9	124.6	120.0	118.5	118.2	118.2	118.2
20°	659.6	584.6	392.7	211.0	128.4	117.7	114.8	113.9	113.6	113.6	113.3
22.5°	666.3	580.2	355.3	165.8	118.2	112.7	110.1	109.6	109.3	109.0	109.0
25°	675.9	574.7	315.6	135.6	111.9	108.1	105.5	104.9	104.6	103.5	103.8
27.5°	688.6	570.7	274.8	117.1	106.1	102.3	100.6	99.7	99.1	98.3	98.5
30°	706.0	567.2	231.3	106.9	99.4	96.2	94.5	93.9	93.3	92.5	92.5
32.5°	736.2	568.6	185.5	98.8	93.3	89.6	87.8	87.2	86.7	85.8	85.8
35°	781.4	577.0	148.4	91.9	86.1	82.3	80.6	80.6	79.7	78.5	78.3
37.5°	855.3	598.5	119.1	85.2	79.1	75.6	73.6	73.0	72.2	70.4	70.1
40°	942.5	631.8	100.3	78.5	72.7	69.3	67.5	65.8	63.5	61.7	61.4
42.5°	1052.1	666.0	86.9	71.9	66.7	63.5	61.4	58.5	55.1	52.7	52.5
45°	1166.3	697.3	78.0	65.8	60.9	58.3	55.9	51.3	47.0	44.1	43.8
47.5°	1251.5	703.1	70.7	60.0	55.9	53.3	50.1	44.3	38.5	35.9	35.1
50°	1291.8	675.0	63.2	54.2	51.0	48.1	44.1	37.4	31.0	27.8	27.2
52.5°	1306.0	626.3	57.1	49.0	46.1	42.6	37.7	30.1	24.3	21.2	20.9
55°	1300.2	564.9	51.6	44.1	40.3	36.2	31.3	24.1	18.0	15.4	14.8
57.5°	1269.7	486.6	46.1	39.1	34.5	30.4	24.9	18.0	12.2	9.9	9.6
60°	1187.7	380.0	40.6	33.6	29.3	24.9	19.7	12.8	7.5	5.5	5.5
62.5°	1049.2	282.0	35.4	28.1	24.6	20.0	13.9	8.1	4.1	2.9	2.6
65°	876.7	208.1	29.6	23.8	20.6	15.7	9.9	4.9	2.0	0.9	0.6
67.5°	611.8	128.4	24.6	19.4	16.8	11.3	6.1	2.0	0.9	0.0	0.0
70°	277.9	61.2	18.8	14.8	12.8	8.1	3.2	1.2	0.6	0.0	0.0
72.5°	86.4	32.2	13.3	10.7	8.7	5.2	1.7	0.9	0.6	0.0	0.0
75°	40.0	20.6	8.4	5.8	4.9	2.6	1.2	0.6	0.3	0.0	0.0
77.5°	29.9	15.9	4.9	3.2	2.6	1.7	0.9	0.6	0.3	0.0	0.0
80°	26.1	8.1	2.9	2.0	1.4	1.2	0.6	0.3	0.0	0.0	0.0
82.5°	23.5	4.1	1.7	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0
85°	12.8	2.3	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	2.3	1.2	0.9	0.6	0.6	0.3	0.3	0.3	0.0	0.0	0.0
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)