

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385751

Luminaire Tested: GAW-SA1B-750-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-750-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5989 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

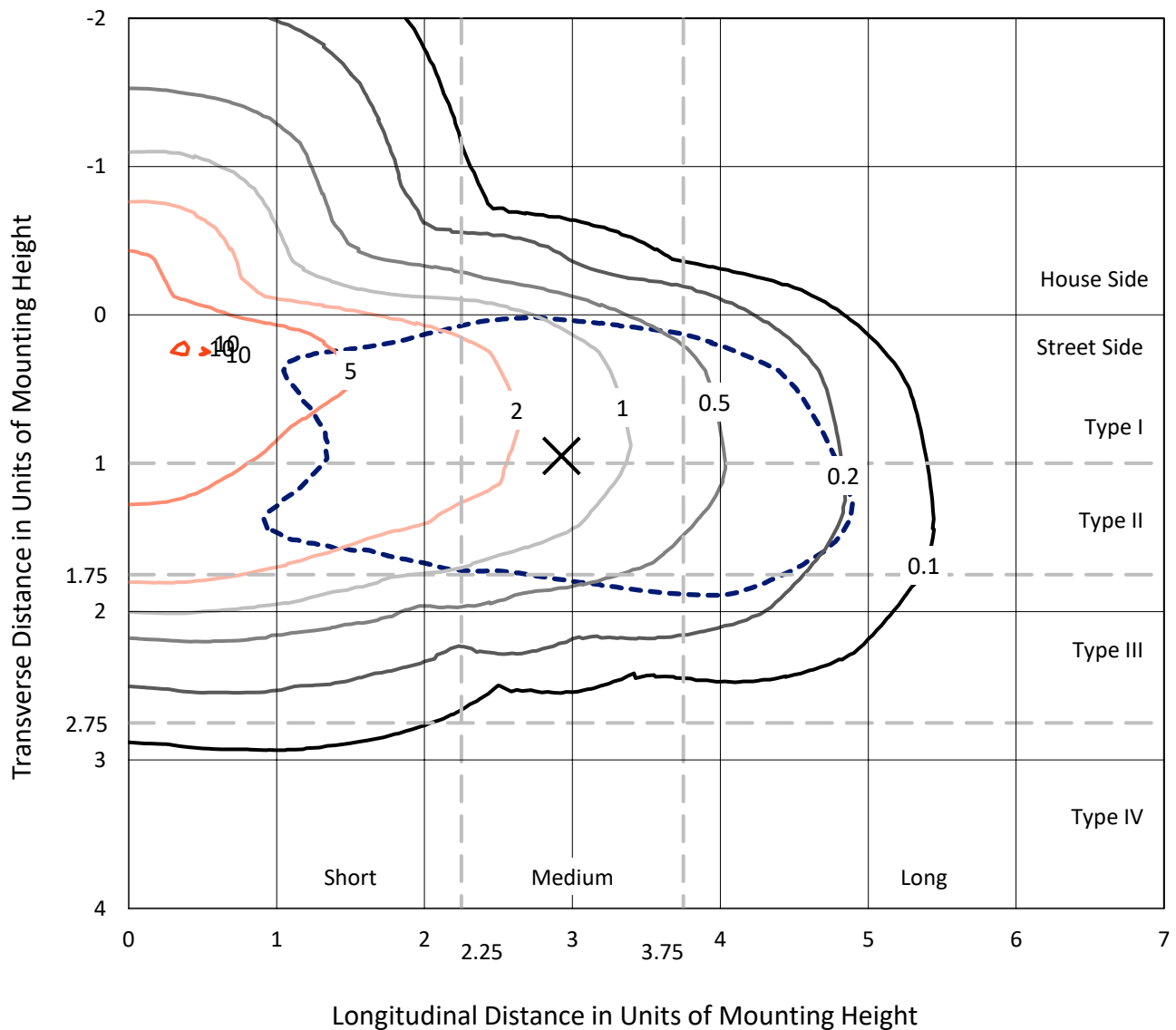
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

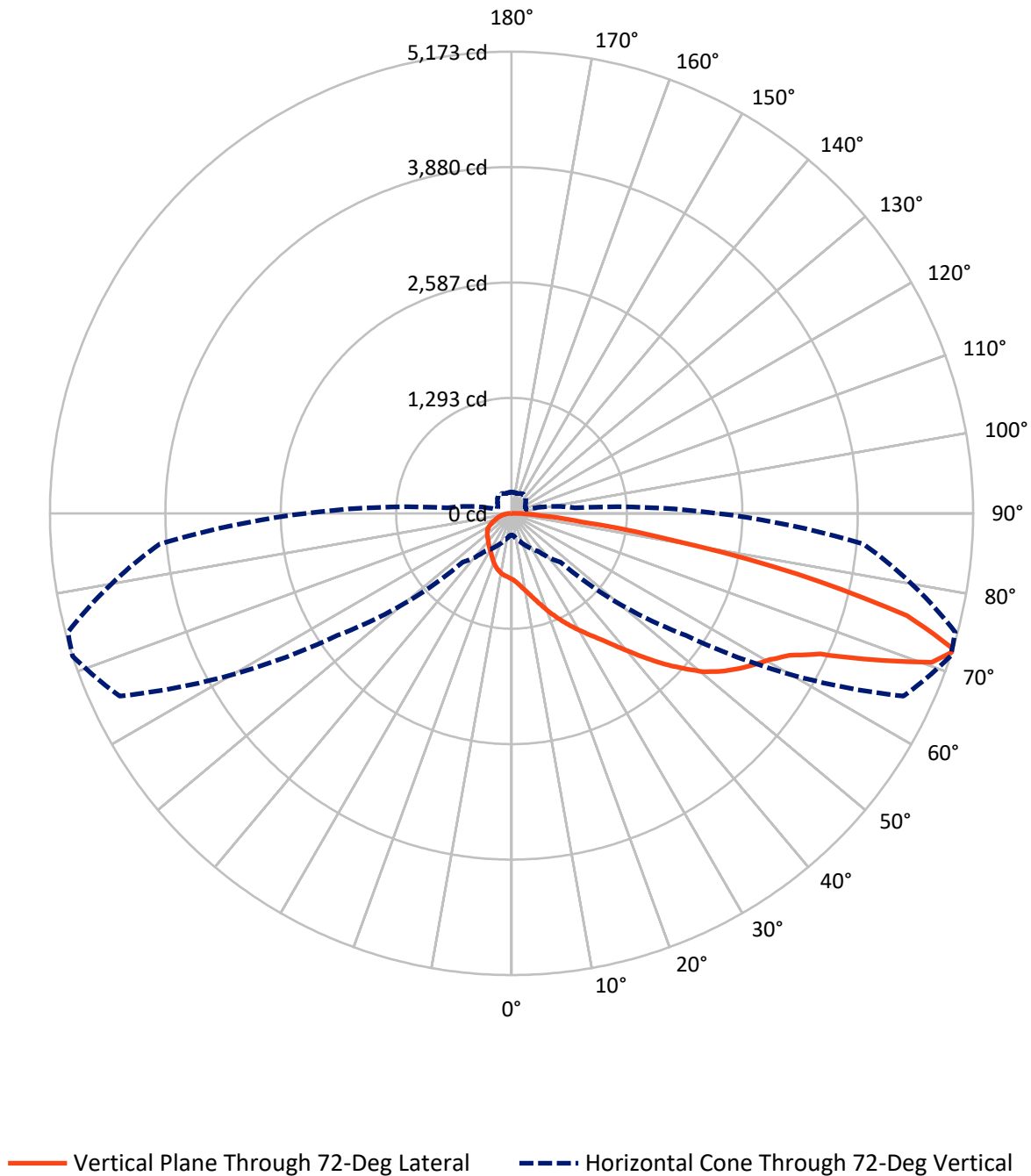
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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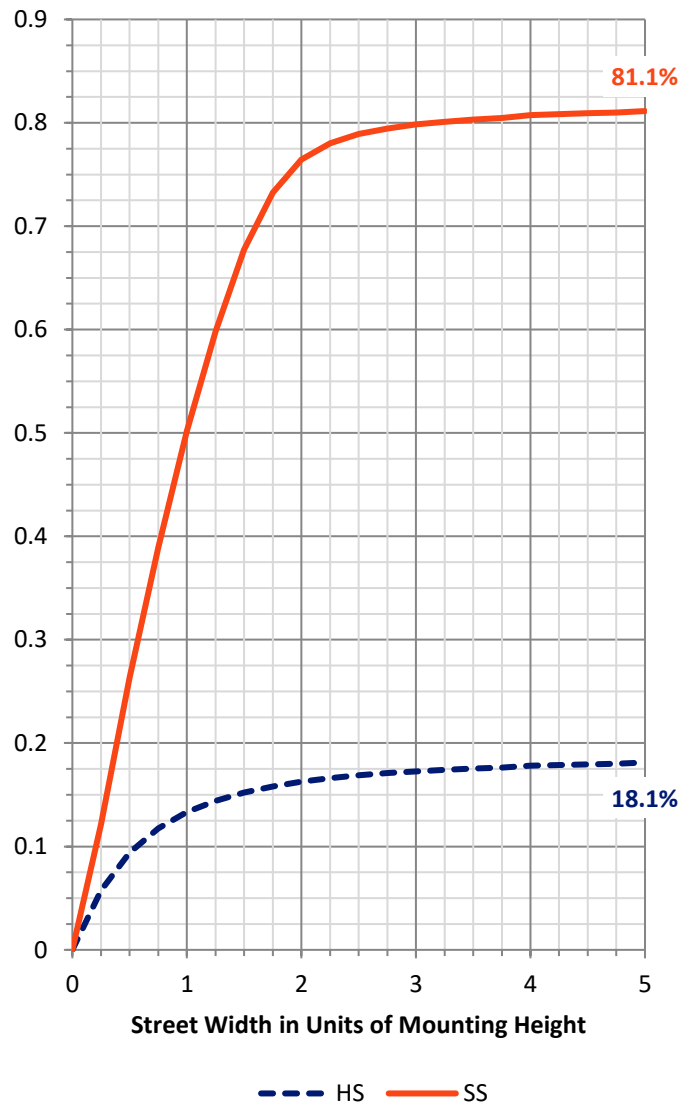
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1111.0	0.0	1111.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4878.0	0.0	4878.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	5989.0	0.0	5989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.2
10°-20°	238.6	4.0
20°-30°	418.1	7.0
30°-40°	619.9	10.4
40°-50°	906.6	15.1
50°-60°	1247.5	20.8
60°-70°	1388.8	23.2
70°-80°	941.1	15.7
80°-90°	154.7	2.6
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°	5989.0	100.0
0°-180°	5989.0	100.0

Coefficient of Utilization



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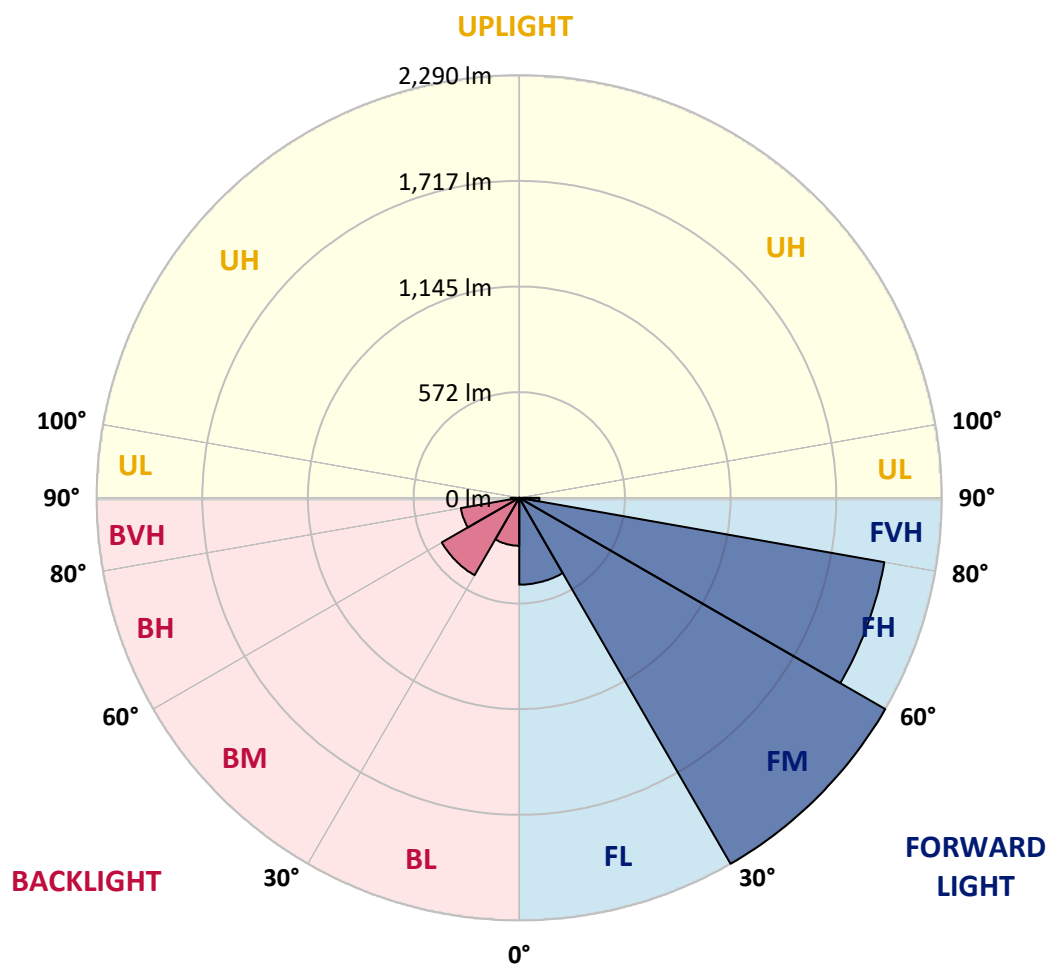
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	470.8	7.9			
FM	(30°-60°)	2289.7	38.2			
FH	(60°-80°)	2008.5	33.5			G2/5000
FVH	(80°-90°)	109.1	1.8			G2/225
BL	(0°-30°)	259.7	4.3	B1/500		
BM	(30°-60°)	484.3	8.1	B1/1000		
BH	(60°-80°)	321.4	5.4	B1/500		G1/500
BVH	(80°-90°)	45.6	0.8			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8
2.5°	813.9	812.7	808.4	808.4	800.1	793.1	779.9	771.0	760.5	756.8	744.4
5°	892.7	893.1	887.8	884.0	871.9	857.0	834.5	814.1	793.7	785.5	760.1
7.5°	958.9	958.1	956.6	953.5	942.2	926.9	896.6	866.3	836.2	823.8	780.1
10°	1001.4	1003.2	1004.5	1005.9	1001.2	990.2	961.6	924.7	885.3	868.4	804.0
12.5°	1022.8	1026.1	1031.9	1041.8	1049.6	1048.4	1027.6	988.4	941.6	920.3	833.9
15°	1035.4	1039.7	1048.8	1066.5	1088.6	1101.2	1095.6	1060.1	1008.0	981.8	870.4
17.5°	1043.2	1046.7	1060.8	1084.5	1117.3	1150.7	1165.3	1135.6	1083.0	1053.1	912.3
20°	1048.6	1051.3	1068.8	1096.6	1139.1	1192.3	1233.2	1225.7	1165.7	1127.0	956.0
22.5°	1060.6	1062.8	1079.5	1107.6	1154.6	1223.3	1298.5	1309.7	1253.0	1209.0	1002.8
25°	1094.0	1094.0	1108.0	1127.6	1171.7	1250.1	1353.8	1403.1	1342.0	1290.9	1046.1
27.5°	1157.7	1157.1	1162.2	1169.0	1202.4	1277.3	1403.1	1485.6	1434.4	1378.5	1088.2
30°	1233.2	1237.3	1237.9	1234.6	1250.3	1311.3	1448.7	1572.6	1527.4	1467.2	1131.3
32.5°	1330.3	1333.0	1329.9	1318.9	1316.7	1359.6	1493.4	1663.7	1628.1	1559.8	1170.7
35°	1453.6	1448.4	1438.8	1416.5	1395.2	1424.1	1544.5	1754.9	1741.1	1671.8	1224.9
37.5°	1585.8	1586.0	1574.0	1523.5	1494.2	1506.6	1615.1	1858.2	1877.8	1805.0	1294.4
40°	1691.8	1697.3	1704.8	1638.4	1600.4	1617.5	1704.8	1978.0	2039.5	1963.0	1384.9
42.5°	1765.8	1772.2	1793.2	1751.6	1712.2	1744.0	1810.4	2105.9	2220.9	2145.2	1490.9
45°	1844.2	1847.7	1862.5	1844.6	1819.4	1891.0	1929.3	2238.2	2412.9	2339.5	1609.5
47.5°	1926.7	1930.4	1945.6	1933.7	1920.5	2028.3	2053.5	2363.0	2596.9	2552.9	1736.1
50°	2028.5	2031.0	2045.4	2023.8	2027.9	2131.8	2164.4	2477.5	2789.7	2744.7	1863.1
52.5°	2167.5	2168.1	2188.1	2168.5	2149.2	2207.7	2259.9	2585.3	2940.8	2919.6	1990.2
55°	2276.4	2283.0	2348.6	2344.4	2333.3	2276.6	2339.7	2688.0	3075.7	3085.8	2125.0
57.5°	2206.9	2232.7	2365.5	2459.1	2550.3	2448.0	2447.6	2803.7	3201.1	3248.9	2273.3
60°	1932.8	1967.9	2163.6	2371.3	2656.5	2746.2	2671.5	2944.9	3327.7	3410.6	2459.1
62.5°	1380.4	1438.1	1703.3	2034.9	2510.9	2943.7	3127.2	3169.1	3499.9	3597.8	2700.6
65°	697.8	741.5	963.8	1363.3	2006.1	2814.6	3622.6	3659.9	3799.1	3886.1	3072.4
67.5°	424.0	440.5	548.9	758.2	1229.9	2192.5	3784.2	4477.9	4378.1	4424.3	3602.6
70°	312.4	324.6	392.2	503.6	707.3	1286.6	3288.1	5061.7	4996.2	4991.0	3994.4
72°	243.3	252.2	312.0	406.9	517.2	771.9	2383.2	4846.2	5173.1	5147.1	3958.5
72.5°	230.8	238.6	293.0	382.9	488.7	699.7	2142.8	4700.9	5160.3	5148.5	3912.1
75°	181.7	187.2	216.9	296.1	382.5	397.0	1174.2	3643.0	4577.7	4768.1	3518.6
77.5°	150.3	151.2	166.8	215.5	298.2	280.7	576.8	2527.6	3278.0	3487.3	2492.5
80°	122.5	123.5	130.9	151.2	225.6	207.7	273.9	1453.4	1835.3	1837.6	1185.3
82.5°	97.5	97.7	106.0	110.5	162.1	148.5	156.9	682.4	802.0	771.4	426.0
85°	68.7	67.2	103.5	90.7	106.0	95.3	86.6	270.1	331.6	317.2	133.4
87.5°	22.9	23.7	46.0	58.8	61.9	54.0	38.6	103.5	125.2	124.1	42.3
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°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8
2.5°	740.5	733.9	724.2	713.5	705.0	696.4	690.0	686.7	683.0	679.9	683.6
5°	748.4	736.0	715.4	695.1	680.3	667.1	657.6	652.7	648.1	645.0	645.5
7.5°	761.1	741.1	706.5	677.0	656.4	642.2	632.5	629.2	626.3	625.4	626.5
10°	774.7	745.3	694.7	655.6	632.0	620.3	616.0	618.2	620.3	622.1	624.2
12.5°	790.2	749.0	677.6	630.4	610.4	605.9	610.2	620.1	627.3	631.6	634.3
15°	810.4	752.3	657.8	605.2	591.8	597.0	611.6	628.7	641.3	649.4	650.6
17.5°	829.0	752.1	632.5	579.9	576.8	591.8	613.9	638.0	654.9	666.3	668.5
20°	848.2	746.5	603.0	555.1	561.5	586.3	614.9	644.0	664.4	677.6	680.7
22.5°	866.1	736.8	570.6	532.7	548.7	578.8	611.0	640.5	660.9	671.6	674.9
25°	878.3	719.9	537.8	513.7	537.4	569.8	598.2	621.9	637.2	642.6	643.4
27.5°	884.5	697.8	506.9	497.2	525.6	554.9	574.5	586.3	590.6	590.2	589.4
30°	885.3	668.8	480.3	483.8	512.0	533.1	542.3	540.1	534.5	525.0	525.8
32.5°	882.6	636.0	458.0	471.0	494.7	506.5	506.9	495.9	481.1	466.0	461.9
35°	883.4	603.8	438.4	456.6	473.7	478.8	474.1	458.0	437.8	418.4	414.3
37.5°	892.5	575.7	421.5	439.9	450.4	451.6	444.8	427.9	413.0	394.1	392.4
40°	914.1	555.7	405.4	421.1	427.1	427.7	418.0	406.0	407.3	397.2	397.0
42.5°	953.1	547.1	391.2	401.5	405.2	406.4	399.0	391.4	402.1	395.5	393.3
45°	1003.4	549.1	379.2	382.3	389.1	394.9	390.4	381.1	385.2	356.5	347.1
47.5°	1061.6	562.3	369.7	365.8	377.6	388.5	381.5	367.5	352.8	324.4	319.0
50°	1129.6	582.8	361.1	349.5	365.0	379.8	372.8	352.8	330.8	317.0	315.1
52.5°	1200.6	607.7	352.4	331.6	349.1	373.2	369.7	349.5	322.3	308.7	306.2
55°	1281.0	632.9	341.5	310.8	332.0	370.2	368.3	337.6	315.9	308.3	306.4
57.5°	1381.0	661.5	327.1	289.1	315.9	359.0	353.2	330.4	309.3	303.5	302.9
60°	1511.3	703.8	306.2	266.0	296.3	341.9	340.7	319.8	298.8	294.7	293.9
62.5°	1706.8	773.7	277.6	242.9	274.5	312.8	324.2	305.6	287.7	287.5	287.9
65°	2010.0	878.9	246.4	222.7	252.4	288.3	305.0	291.0	276.3	280.5	281.1
67.5°	2361.4	966.1	215.9	202.9	229.9	265.0	287.7	276.3	261.3	272.0	272.2
70°	2478.3	888.2	189.1	183.3	206.6	242.5	268.9	260.2	245.0	255.7	254.7
72°	2306.3	717.0	171.8	168.5	189.1	223.9	252.2	245.2	230.1	237.4	234.7
72.5°	2252.1	683.6	167.4	164.8	184.4	219.2	247.9	241.5	226.4	232.6	230.1
75°	2008.9	593.7	143.9	144.6	160.8	196.1	223.5	221.5	206.0	206.6	205.8
77.5°	1457.1	435.3	121.3	125.4	136.9	172.4	199.0	197.8	180.8	177.8	177.1
80°	676.2	222.1	98.8	100.6	112.6	144.1	169.7	168.1	154.5	150.5	148.3
82.5°	231.6	105.6	74.2	75.5	87.2	116.1	147.2	146.2	134.9	127.2	122.5
85°	82.7	52.6	52.0	50.7	62.3	91.4	128.3	122.7	106.0	90.3	89.9
87.5°	26.8	22.5	26.8	26.6	36.3	61.9	93.2	79.4	76.9	63.9	62.7
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)