

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: P287042

Luminaire Tested: **USSL-C01-D-U-T4-BZ-7050-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-9)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-C01-D-U-T4-BZ-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6554 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 52
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

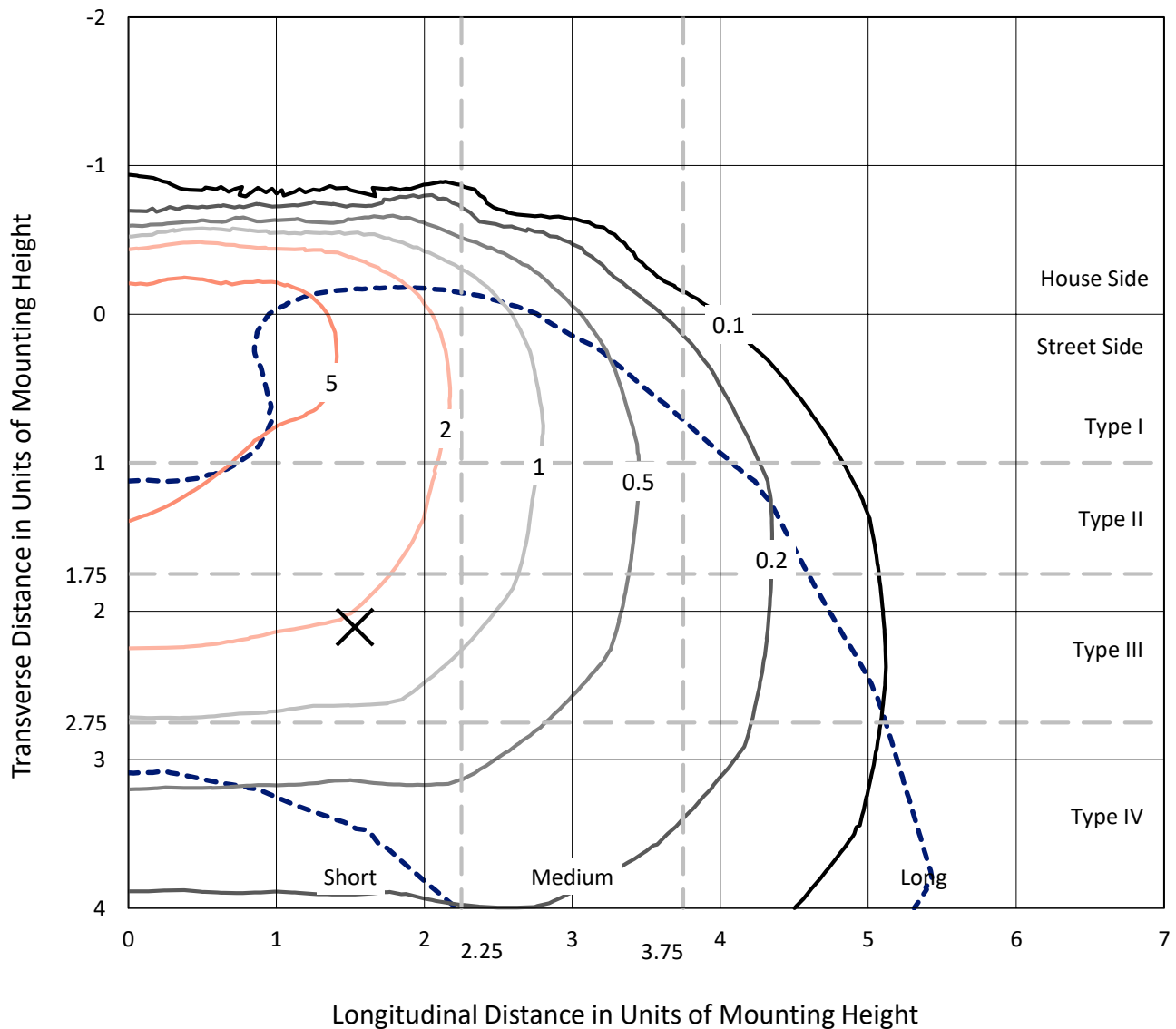


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

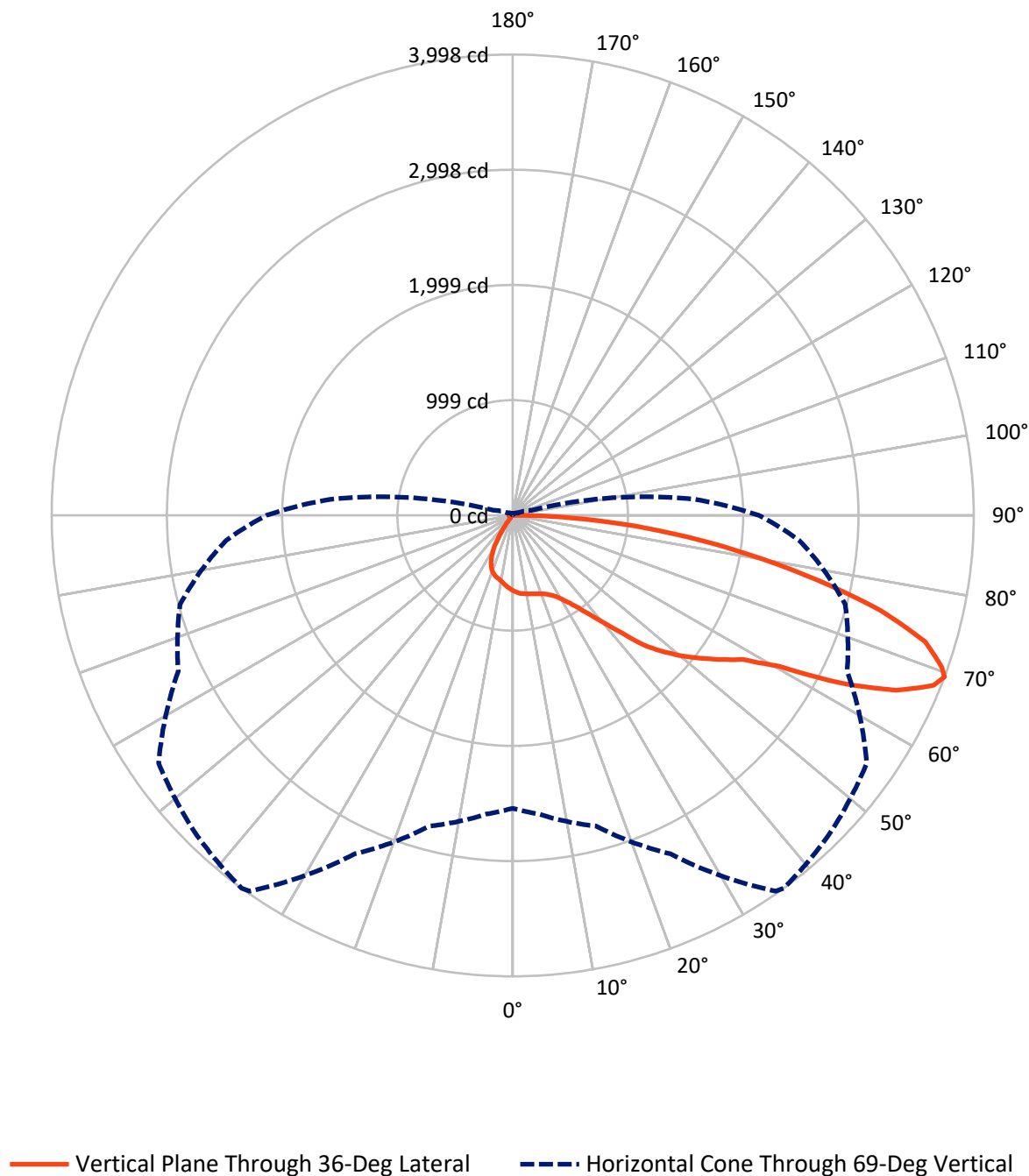


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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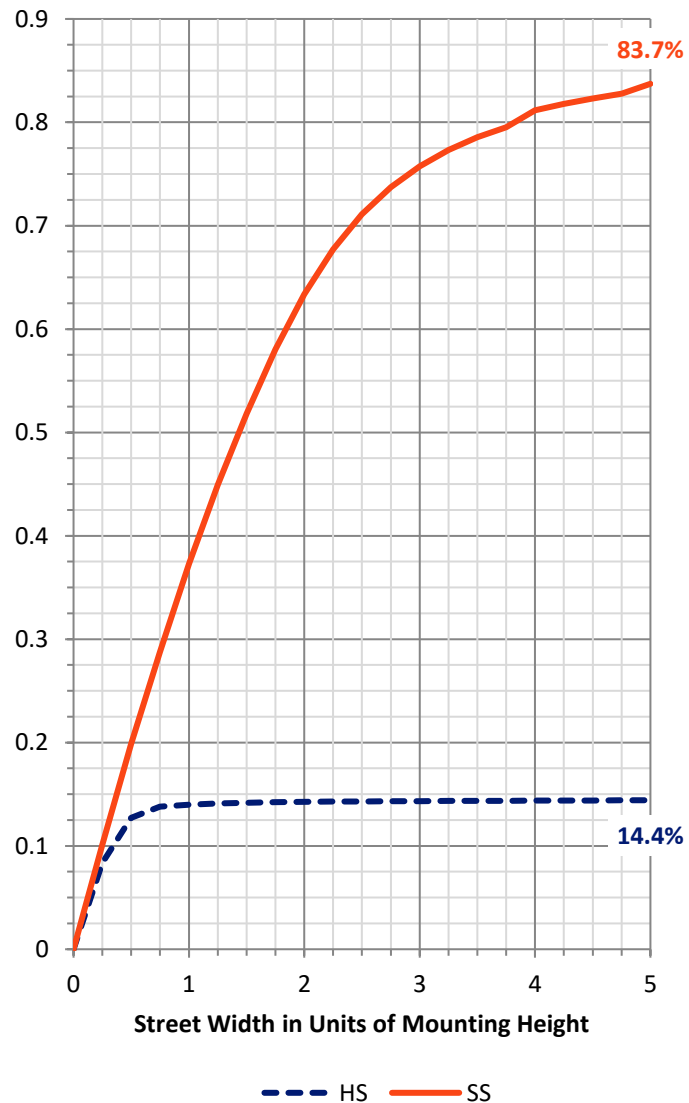
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	955.6	0.0	955.6
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	5598.4	0.0	5598.4
	% Fixture	85.4	0.0	85.4
Total	Lumens	6554.0	0.0	6554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	0.9
10°-20°	185.1	2.8
20°-30°	310.1	4.7
30°-40°	501.5	7.7
40°-50°	884.5	13.5
50°-60°	1289.3	19.7
60°-70°	1702.8	26.0
70°-80°	1309.3	20.0
80°-90°	309.5	4.7
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°	6554.0	100.0
0°-180°	6554.0	100.0

Coefficient of Utilization



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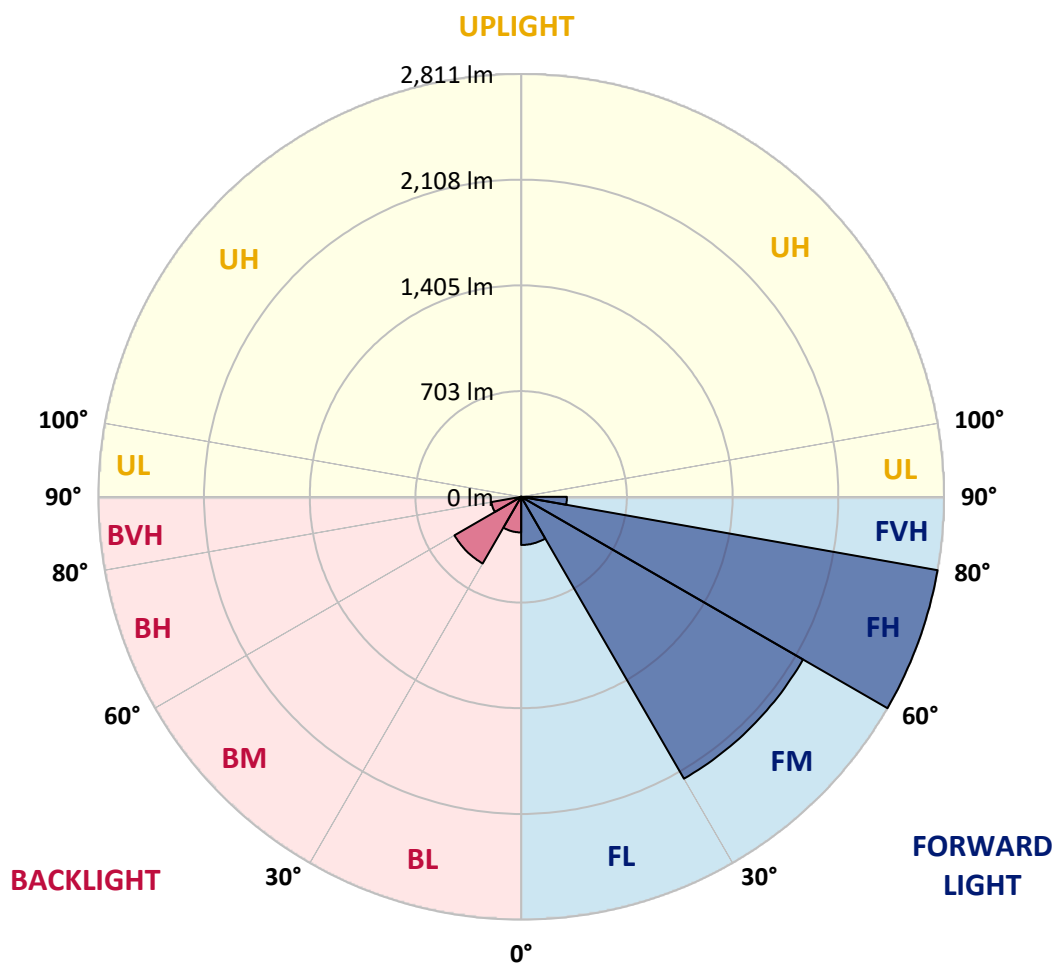
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.4	4.9			
FM	(30°-60°)	2163.5	33.0			
FH	(60°-80°)	2810.7	42.9			G2/5000
FVH	(80°-90°)	303.8	4.6			G3/500
BL	(0°-30°)	236.7	3.6	B1/500		
BM	(30°-60°)	511.7	7.8	B1/1000		
BH	(60°-80°)	201.5	3.1	B1/500		G1/500
BVH	(80°-90°)	5.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0
2.5°	677.1	678.2	675.0	667.5	665.8	666.5	667.2	662.9	658.3	656.2	651.3
5°	689.1	689.5	688.1	681.3	679.6	679.6	678.9	673.9	669.3	666.5	659.4
7.5°	692.3	692.0	692.7	685.6	687.4	684.2	686.3	681.3	677.1	673.2	666.8
10°	697.3	698.0	697.3	691.6	692.3	693.0	692.7	689.1	688.8	688.4	677.4
12.5°	694.8	694.4	696.6	693.0	698.0	698.7	706.5	708.2	710.0	710.0	698.7
15°	693.0	689.1	698.0	695.1	705.4	706.5	718.1	728.8	730.9	731.6	727.3
17.5°	695.5	694.8	707.2	701.9	716.4	713.9	725.2	744.0	753.9	758.8	761.3
20°	706.1	708.9	719.2	713.9	725.9	725.9	738.3	758.5	777.3	789.6	792.1
22.5°	722.4	723.5	735.5	730.2	739.7	740.8	751.4	775.1	800.6	821.5	832.1
25°	739.7	739.0	748.9	749.3	762.0	765.2	774.4	793.5	827.2	854.4	883.4
27.5°	765.2	763.8	775.5	771.9	795.7	795.3	805.9	828.6	866.4	902.2	946.4
30°	806.6	803.1	810.2	815.8	842.7	843.8	853.4	875.6	913.9	965.9	1019.7
32.5°	873.5	876.4	875.6	868.6	902.5	904.7	928.0	964.1	1003.1	1065.7	1128.7
35°	1014.4	1014.0	994.9	976.9	980.1	986.4	1016.9	1082.0	1161.6	1309.6	1365.2
37.5°	1189.6	1198.1	1164.5	1112.4	1095.4	1094.4	1120.9	1217.6	1347.8	1633.4	1655.7
40°	1421.4	1405.5	1364.8	1284.8	1242.0	1229.9	1238.8	1352.4	1552.4	1909.5	1888.3
42.5°	1578.9	1586.0	1541.4	1473.1	1409.4	1400.2	1379.3	1500.7	1774.0	2129.7	2070.2
45°	1767.9	1782.1	1732.9	1684.4	1620.0	1614.3	1582.8	1653.6	1987.0	2292.8	2212.5
47.5°	1932.5	1942.4	1863.9	1818.5	1772.2	1767.6	1737.8	1807.9	2172.1	2427.0	2328.9
50°	2109.8	2118.0	2032.3	1967.9	1924.0	1919.8	1903.1	1981.0	2359.7	2553.7	2425.2
52.5°	2336.0	2305.6	2201.5	2113.7	2064.9	2059.2	2067.4	2153.7	2537.4	2645.0	2502.4
55°	2600.8	2517.9	2384.9	2275.1	2202.2	2206.1	2215.7	2329.3	2688.5	2733.5	2560.4
57.5°	2760.4	2765.0	2665.2	2503.4	2365.0	2357.2	2350.2	2488.6	2811.4	2831.5	2616.7
60°	2973.8	2988.3	2975.2	2875.4	2688.9	2655.6	2540.2	2666.2	2941.6	2910.8	2650.3
62.5°	3135.9	3159.6	3236.1	3174.5	3196.1	3210.2	2892.8	2879.0	3061.2	2965.0	2657.4
65°	3098.8	3121.4	3278.2	3399.2	3627.2	3657.3	3577.3	3149.7	3154.7	2989.0	2634.7
67.5°	2817.4	2840.7	3031.9	3357.8	3901.8	3935.8	3850.5	3619.8	3201.0	2990.1	2577.0
69°	2540.2	2600.4	2789.4	3238.6	3978.6	3997.8	3894.1	3747.9	3200.3	2985.8	2495.6
70°	2374.6	2422.7	2637.2	3100.9	3938.7	3947.9	3867.9	3799.6	3188.3	2948.7	2419.2
72.5°	1909.2	1898.5	2126.8	2628.7	3745.0	3739.4	3748.2	3730.2	3166.4	2812.8	2096.7
75°	1383.9	1387.8	1599.1	2068.4	3256.3	3297.7	3474.6	3581.9	2952.9	2453.2	1542.8
77.5°	983.6	991.7	1173.3	1583.5	2683.9	2703.4	3028.0	3141.9	2484.7	1930.0	841.0
80°	658.3	665.4	835.3	1167.7	2050.0	2094.3	2448.2	2473.7	1880.5	1194.6	152.2
82.5°	411.6	415.2	546.8	831.8	1495.8	1517.3	1681.2	1632.0	977.6	266.2	45.3
85°	236.1	240.3	335.2	526.7	944.7	952.8	1062.2	807.3	234.3	35.7	24.8
87.5°	67.6	72.6	138.7	227.2	426.1	423.0	396.4	264.4	37.9	16.3	11.7
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°	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0
2.5°	647.4	652.7	646.3	641.7	636.4	637.1	637.1	631.1	631.1	639.6	640.6
5°	655.5	659.4	648.4	639.6	628.2	625.8	618.7	611.6	609.1	616.6	617.6
7.5°	662.9	660.8	647.7	633.6	618.7	607.0	598.2	586.5	581.2	589.7	591.1
10°	670.4	664.0	650.5	633.6	609.8	592.9	579.8	558.9	553.2	557.5	559.6
12.5°	690.9	682.4	666.8	637.4	610.5	587.5	562.1	535.9	522.4	527.4	530.2
15°	721.3	708.6	692.3	656.2	619.0	585.8	551.1	509.7	485.3	482.4	483.1
17.5°	757.4	744.0	722.4	678.5	631.1	585.8	534.5	482.4	442.1	430.4	431.8
20°	793.9	779.0	761.7	704.3	642.4	576.9	513.9	446.0	388.3	361.7	361.7
22.5°	835.7	825.0	796.0	724.9	646.3	563.1	482.4	396.8	326.0	287.0	285.6
25°	889.8	880.3	826.8	741.2	643.1	545.8	441.7	338.7	250.9	211.3	209.2
27.5°	950.3	931.6	856.9	753.2	632.1	517.8	387.6	265.1	174.8	137.3	135.6
30°	1017.6	990.3	879.9	751.1	612.0	470.7	323.9	178.0	101.9	77.2	77.2
32.5°	1114.2	1064.7	907.2	746.1	584.0	414.5	237.8	105.5	51.0	39.3	39.3
35°	1302.9	1209.8	948.6	732.7	538.7	340.1	149.7	47.4	28.0	27.6	27.6
37.5°	1555.9	1397.0	1015.1	712.8	476.4	247.4	74.7	26.2	26.2	26.9	26.5
40°	1777.8	1598.8	1103.9	682.8	408.1	156.1	34.0	25.1	26.5	27.6	27.6
42.5°	1942.8	1754.5	1189.9	638.9	326.0	79.6	28.3	24.4	25.5	25.8	26.2
45°	2082.6	1885.4	1258.6	583.3	238.6	37.9	28.3	24.1	24.1	24.1	24.4
47.5°	2189.8	1981.4	1305.7	517.8	148.3	31.9	29.7	23.7	22.3	21.6	21.9
50°	2273.7	2048.3	1322.3	444.9	73.3	32.2	29.0	22.3	19.5	19.8	20.2
52.5°	2332.8	2102.4	1304.6	353.9	37.9	34.0	29.4	21.6	17.3	18.4	18.4
55°	2387.7	2115.9	1259.7	251.7	34.0	34.3	29.4	19.8	14.9	17.0	18.1
57.5°	2401.5	2115.5	1189.2	158.2	36.5	32.6	28.0	19.5	14.2	17.0	17.7
60°	2422.0	2098.2	1092.6	96.6	38.2	30.1	26.2	18.4	13.4	14.2	14.9
62.5°	2399.7	2068.4	947.9	64.1	36.8	28.0	25.5	17.7	11.7	10.6	10.3
65°	2356.2	1969.0	715.3	51.7	34.3	27.3	23.0	15.6	9.6	6.7	6.4
67.5°	2254.6	1780.0	378.4	48.8	32.2	26.9	20.5	14.5	7.8	3.9	3.5
69°	2135.0	1588.5	171.7	49.6	37.5	26.9	20.9	12.7	7.1	2.8	2.5
70°	2010.0	1413.6	78.2	48.1	40.7	28.3	20.5	11.7	6.4	2.5	2.1
72.5°	1550.3	878.8	53.4	42.8	45.3	27.6	20.5	11.0	6.0	1.4	1.1
75°	920.2	218.0	48.1	34.0	43.2	33.6	24.8	12.0	5.3	0.7	0.0
77.5°	238.6	60.9	40.7	25.8	38.2	37.9	28.7	12.0	5.3	0.0	0.0
80°	61.6	46.7	35.0	16.6	30.1	36.8	23.4	13.4	4.2	0.0	0.0
82.5°	36.8	34.0	38.2	10.3	24.1	24.8	13.8	9.6	4.6	0.0	0.0
85°	21.2	29.4	26.9	7.8	4.6	2.5	5.7	10.6	4.6	0.0	0.0
87.5°	12.4	15.9	6.0	1.1	1.1	0.7	0.4	1.4	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)