

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: P287022

Luminaire Tested: **USSL-C01-D-U-T3-AP-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-7)
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-T3-AP-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6846.9 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium - 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

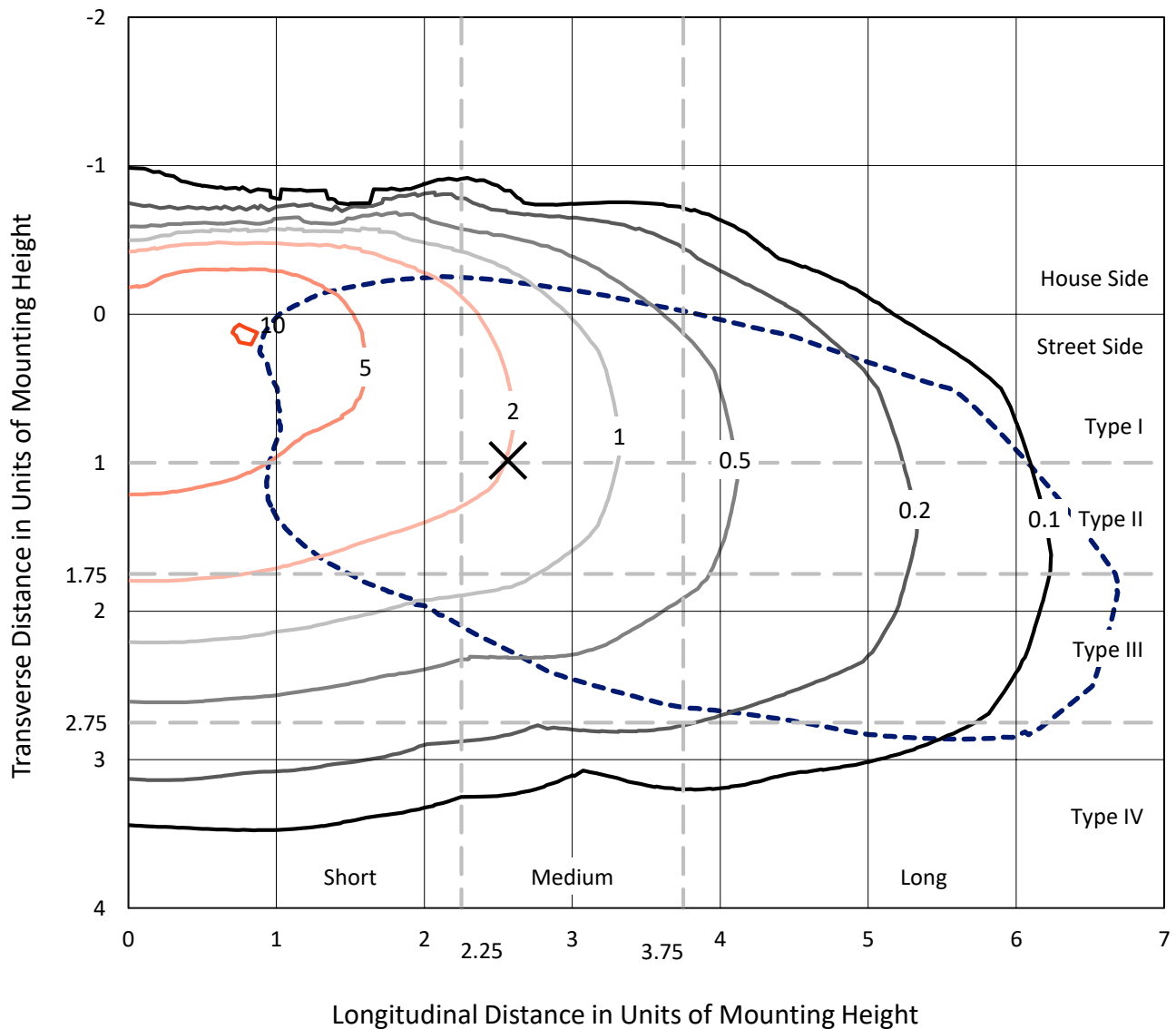


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

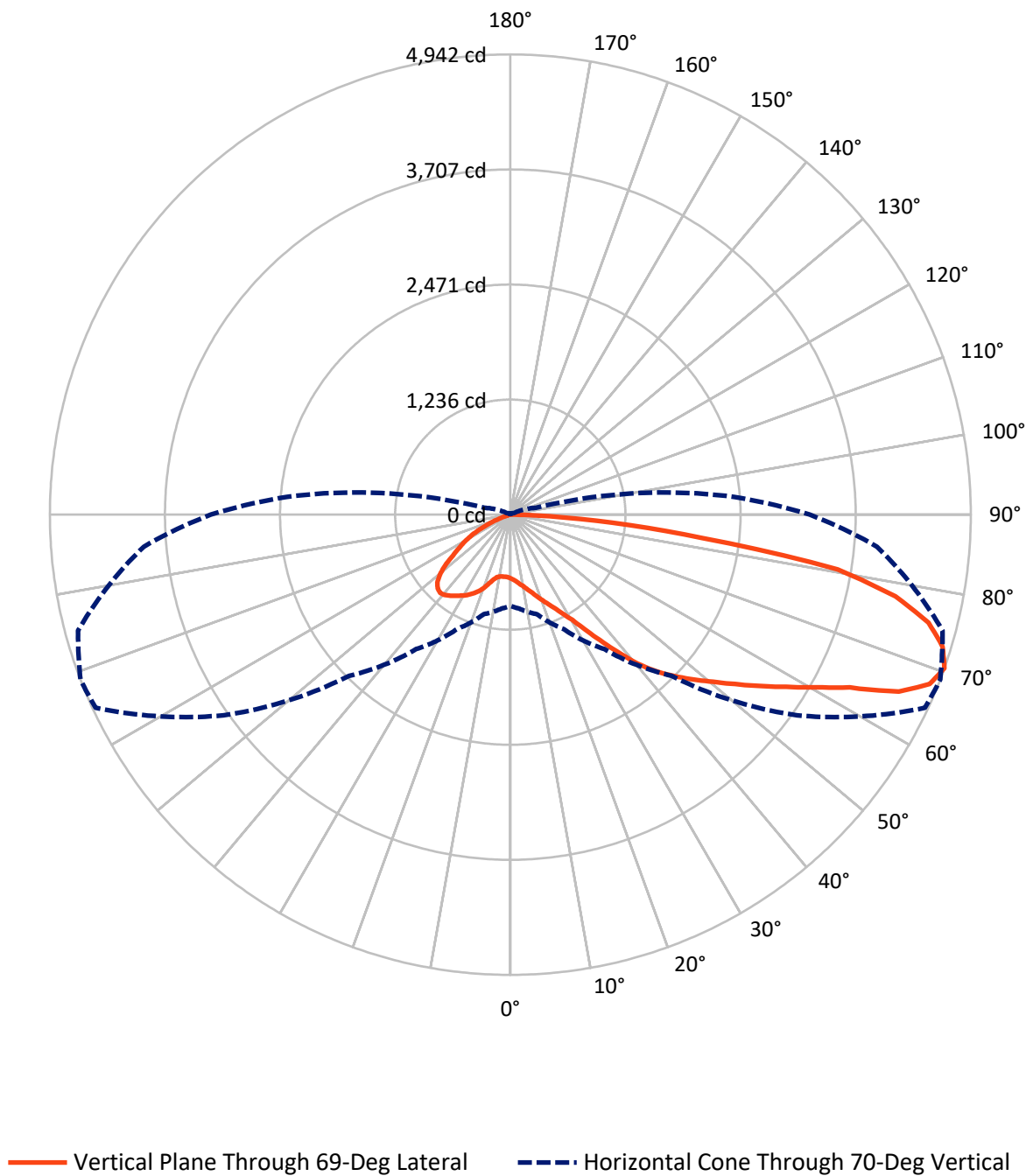


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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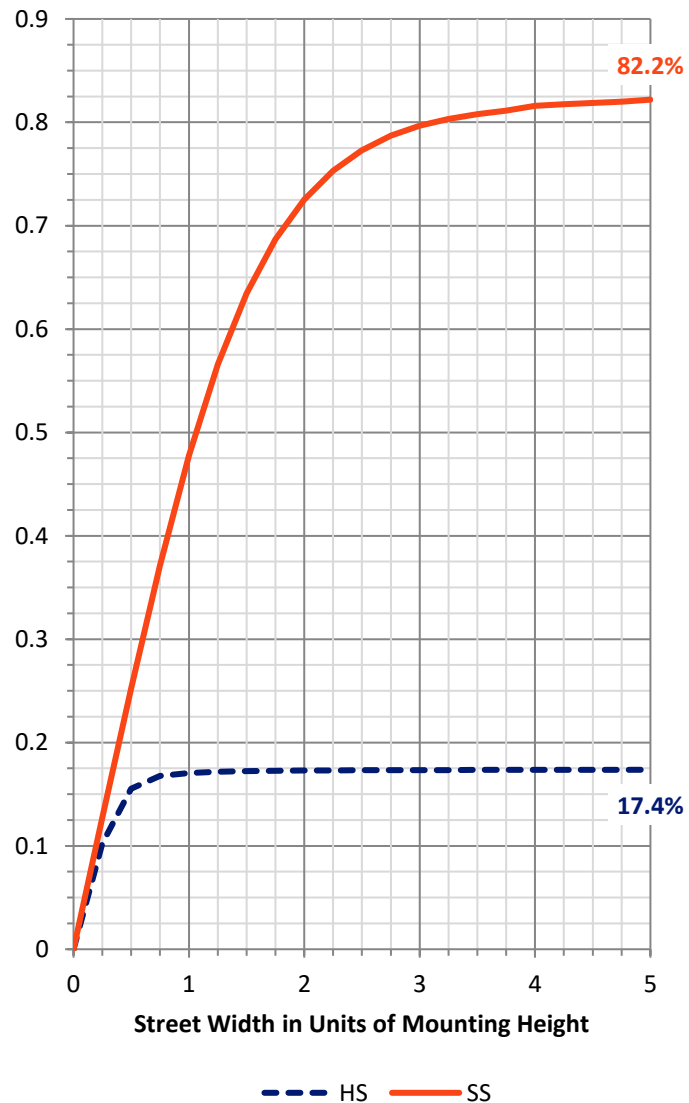
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1202.8	0.0	1202.8
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	5644.1	0.0	5644.1
	% Fixture	82.4	0.0	82.4
Total	Lumens	6846.9	0.0	6846.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	1.0
10°-20°	211.2	3.1
20°-30°	387.3	5.7
30°-40°	665.2	9.7
40°-50°	1039.6	15.2
50°-60°	1388.4	20.3
60°-70°	1624.8	23.7
70°-80°	1220.6	17.8
80°-90°	243.3	3.6
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°	6846.9	100.0
0°-180°	6846.9	100.0

Coefficient of Utilization



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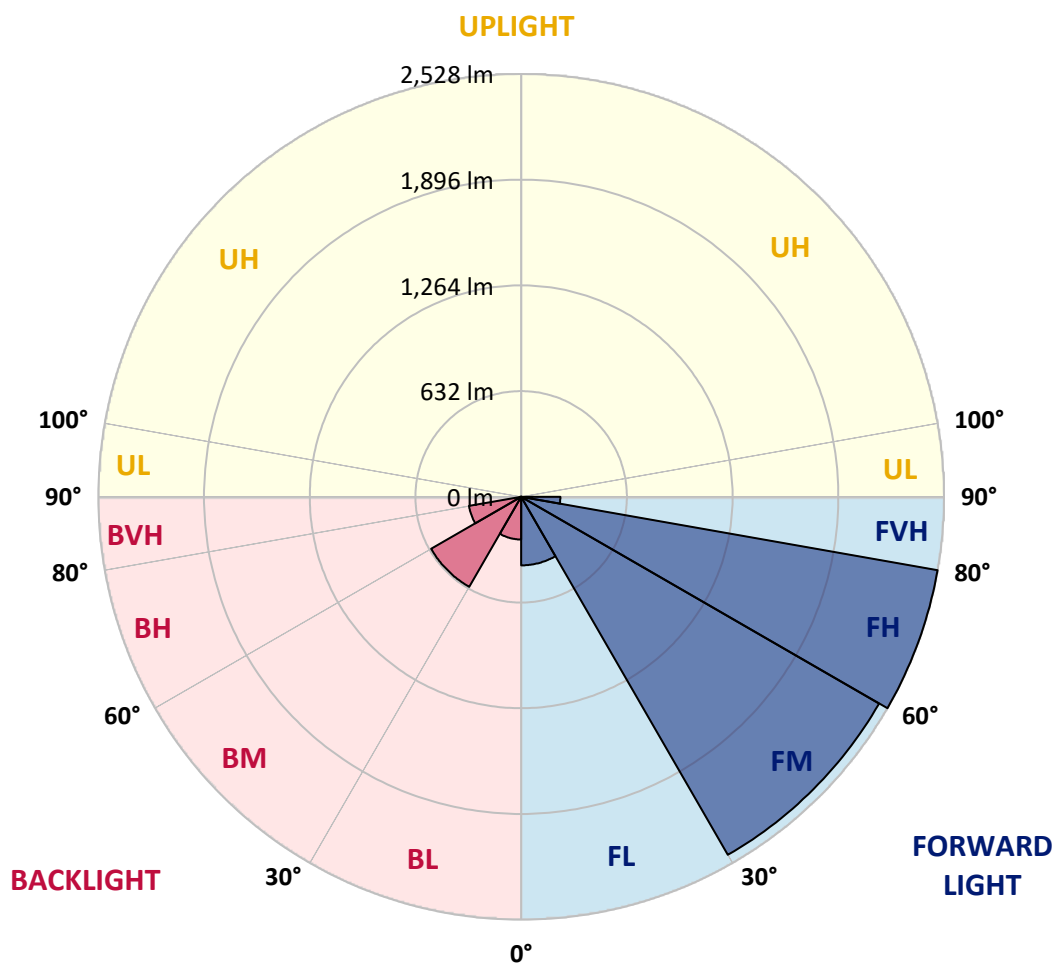
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.8	6.0			
FM	(30°-60°)	2471.6	36.1			
FH	(60°-80°)	2528.4	36.9			G2/5000
FVH	(80°-90°)	234.3	3.4			G3/500
BL	(0°-30°)	255.2	3.7	B1/500		
BM	(30°-60°)	621.6	9.1	B1/1000		
BH	(60°-80°)	317.0	4.6	B1/500		G1/500
BVH	(80°-90°)	9.0	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6
2.5°	732.2	737.3	734.0	722.2	720.0	719.2	711.5	704.9	700.8	699.7	687.2
5°	771.9	776.1	774.9	761.6	757.9	749.5	742.9	725.5	723.0	719.2	704.2
7.5°	801.8	802.6	809.1	798.1	794.4	784.1	774.6	758.7	755.7	749.9	728.5
10°	829.5	834.6	838.3	824.3	830.2	817.3	805.8	794.8	782.6	782.3	755.4
12.5°	847.1	850.0	858.2	847.1	855.6	855.2	845.0	832.3	825.3	819.1	788.6
15°	858.2	861.5	872.2	880.7	883.6	888.4	888.0	878.4	866.3	864.0	832.3
17.5°	875.5	878.4	886.5	900.2	910.5	921.2	929.6	930.4	923.1	920.4	891.4
20°	901.7	901.3	905.7	913.4	933.0	956.6	975.3	982.3	979.5	979.0	957.6
22.5°	929.3	927.8	932.3	935.9	956.2	995.7	1026.6	1044.2	1045.4	1043.2	1039.4
25°	973.5	966.1	965.8	969.8	996.7	1042.4	1082.9	1113.2	1116.1	1122.0	1154.8
27.5°	1085.9	1084.8	1052.0	1024.0	1042.1	1094.0	1153.7	1193.4	1207.1	1229.6	1291.5
30°	1247.6	1241.4	1227.8	1162.5	1113.8	1161.4	1236.6	1298.2	1312.5	1392.5	1447.7
32.5°	1392.8	1385.8	1380.3	1319.9	1252.8	1242.1	1317.7	1422.7	1463.9	1587.7	1629.1
35°	1519.6	1515.6	1515.6	1475.0	1407.2	1361.1	1415.0	1555.3	1654.4	1827.6	1838.7
37.5°	1634.6	1637.9	1642.3	1597.7	1563.0	1548.3	1544.3	1719.7	1867.4	2049.4	2050.9
40°	1736.2	1743.6	1752.4	1720.0	1696.5	1709.3	1685.5	1917.9	2101.8	2299.2	2252.8
42.5°	1815.5	1825.5	1870.0	1825.0	1842.4	1868.5	1863.4	2075.3	2303.0	2482.1	2437.1
45°	1874.4	1882.2	1909.1	1921.9	1963.3	2015.5	2027.0	2236.6	2475.4	2648.6	2587.4
47.5°	1920.5	1914.9	1931.1	1997.2	2084.1	2142.7	2188.0	2421.7	2644.1	2802.6	2719.0
50°	1941.8	1941.1	1981.3	2062.4	2189.4	2273.2	2360.1	2663.0	2820.7	2949.6	2854.9
52.5°	1957.7	1970.6	2033.9	2128.7	2294.5	2408.7	2500.1	2896.6	3021.5	3111.4	3004.2
55°	1969.5	1994.5	2056.8	2165.2	2366.8	2525.5	2647.1	3108.8	3246.3	3264.3	3138.7
57.5°	1896.2	1922.7	2021.1	2175.9	2423.0	2626.5	2798.6	3352.4	3489.8	3479.1	3282.7
60°	1772.0	1793.4	1913.4	2145.2	2430.1	2738.9	3015.2	3623.2	3762.9	3761.4	3453.4
62.5°	1640.8	1660.0	1778.6	2044.3	2383.3	2800.0	3268.0	4029.6	4087.8	4030.1	3608.9
65°	1473.9	1493.4	1611.4	1874.8	2268.0	2796.8	3481.3	4464.4	4581.6	4414.4	3783.8
67.5°	1252.8	1284.2	1390.6	1634.6	2045.8	2690.2	3666.3	4792.3	4855.0	4703.9	3892.6
70°	980.1	1010.7	1106.9	1356.0	1762.4	2446.7	3757.3	4909.9	4942.0	4802.3	3949.7
72.5°	684.6	710.0	753.5	969.1	1369.6	2070.8	3751.8	4853.2	4851.7	4709.9	3819.6
75°	243.9	278.2	454.4	585.5	797.4	1522.9	3506.4	4619.6	4635.8	4507.2	3551.7
77.5°	63.4	66.3	140.0	282.6	448.0	736.6	2604.0	4180.7	4224.5	4075.3	3122.8
80°	46.4	48.6	67.4	196.7	256.5	324.2	1428.2	3425.7	3561.7	3483.9	2394.3
82.5°	32.8	35.4	49.4	129.7	169.5	215.6	536.5	1860.4	2076.3	2063.8	1181.7
85°	20.7	22.5	30.9	46.4	64.4	86.6	151.0	955.1	1095.8	1155.2	516.6
87.5°	9.5	11.0	17.3	27.7	39.4	45.7	45.7	204.9	255.3	271.2	110.1
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°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6
2.5°	680.6	685.0	675.4	669.9	658.5	652.9	650.0	644.4	642.9	645.6	648.1
5°	696.5	697.5	678.0	661.4	647.1	630.9	623.1	606.9	599.9	602.4	605.4
7.5°	716.7	714.8	685.0	660.3	634.6	612.0	596.2	570.4	563.0	561.2	565.2
10°	735.9	726.7	693.5	659.9	625.7	594.7	570.4	543.1	525.4	523.3	524.0
12.5°	770.4	752.7	714.5	667.3	626.1	592.2	556.8	516.6	495.9	489.4	489.4
15°	818.3	788.9	752.7	698.6	649.6	601.4	550.8	498.6	462.4	446.6	446.2
17.5°	870.0	845.0	806.6	742.1	677.6	609.1	538.0	470.2	422.7	400.1	398.0
20°	941.1	926.7	882.9	794.4	704.5	610.2	521.8	435.2	371.1	340.4	333.9
22.5°	1041.7	1022.2	948.8	835.3	713.7	601.0	490.8	378.8	300.0	259.8	255.8
25°	1145.5	1115.8	1012.9	864.0	720.7	582.5	446.2	300.7	215.6	178.0	173.2
27.5°	1260.5	1213.8	1067.8	891.4	712.3	550.8	367.4	209.3	140.0	116.1	111.3
30°	1394.0	1325.7	1126.8	910.1	703.0	486.7	272.0	135.6	90.6	72.9	71.9
32.5°	1559.4	1465.1	1185.0	919.4	669.9	403.1	175.7	86.6	56.0	47.2	45.7
35°	1756.9	1625.4	1263.1	917.4	615.7	291.8	110.1	50.9	37.2	35.7	35.7
37.5°	1944.1	1800.0	1356.7	909.7	529.8	186.1	63.0	33.2	32.4	37.2	39.4
40°	2133.5	1970.6	1457.7	888.7	421.2	112.0	35.0	29.5	30.9	36.5	38.7
42.5°	2298.2	2105.1	1555.3	843.0	296.7	60.1	30.9	27.7	29.1	31.7	32.0
45°	2431.2	2230.0	1608.0	778.9	175.7	37.9	29.5	26.5	25.4	26.5	26.9
47.5°	2574.2	2336.5	1650.8	684.3	95.1	37.2	29.1	24.7	22.5	21.7	22.5
50°	2680.7	2449.6	1665.8	544.3	50.1	35.7	27.7	22.5	20.2	21.7	22.2
52.5°	2783.5	2536.6	1658.8	379.9	42.4	32.8	25.4	21.0	19.2	23.5	24.7
55°	2920.6	2643.8	1608.4	185.0	41.2	30.9	22.9	18.4	18.4	18.4	18.4
57.5°	3045.8	2717.5	1507.4	84.4	39.7	28.4	20.7	16.5	14.0	15.5	15.8
60°	3175.6	2831.3	1335.4	53.8	37.6	24.7	17.7	14.4	12.2	12.2	12.5
62.5°	3304.1	2855.7	1096.3	47.5	35.7	22.5	15.5	12.5	10.3	10.3	11.0
65°	3410.2	2815.1	807.3	42.4	33.9	20.2	14.0	11.4	8.8	8.5	8.8
67.5°	3370.1	2617.3	524.3	37.9	30.9	18.4	12.2	10.3	8.1	6.7	7.0
70°	3213.1	2319.2	283.3	36.5	28.0	17.0	11.0	9.2	7.4	5.5	5.5
72.5°	2960.3	1954.3	106.5	33.9	25.8	14.7	10.0	9.2	7.0	4.5	4.0
75°	2546.2	1475.7	50.5	30.6	21.7	13.2	10.0	9.5	7.0	3.0	2.5
77.5°	2042.4	823.2	38.7	25.8	17.7	11.0	10.0	9.2	4.0	1.5	1.1
80°	1097.7	309.2	29.1	18.8	12.9	8.5	9.2	6.7	1.8	0.3	0.0
82.5°	435.5	76.3	20.2	8.5	5.5	3.7	5.2	2.5	0.3	0.0	0.0
85°	109.8	29.9	12.5	4.5	3.0	1.8	0.7	0.0	0.0	0.0	0.0
87.5°	12.5	8.5	3.7	2.2	1.1	0.3	0.0	0.0	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)