

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: P287026

Luminaire Tested: **USSL-C01-D-U-T3-BZ-7050-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287026
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-BZ-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6577 lumens
Efficiency: N/A
Efficacy: 126.5 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

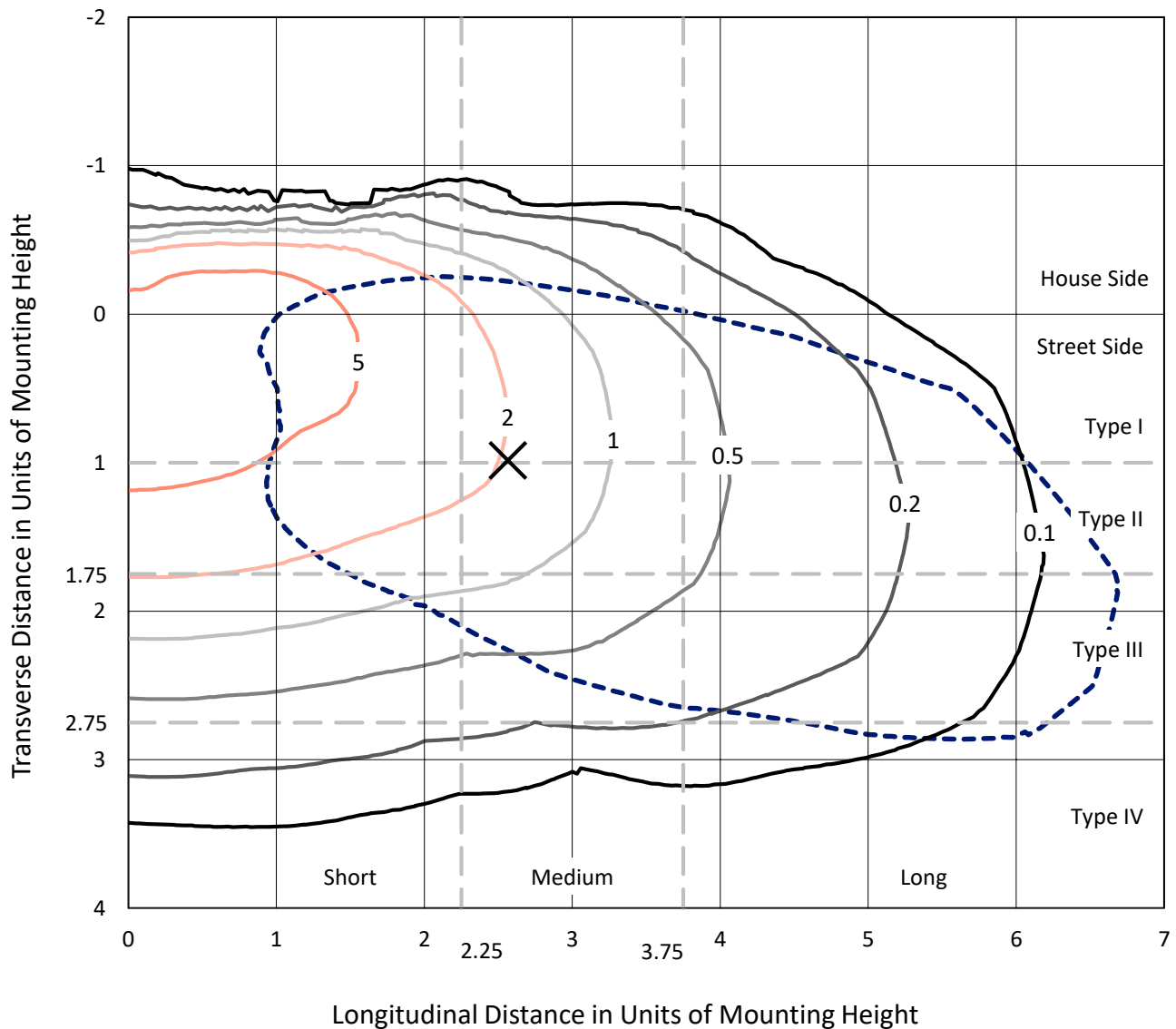


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

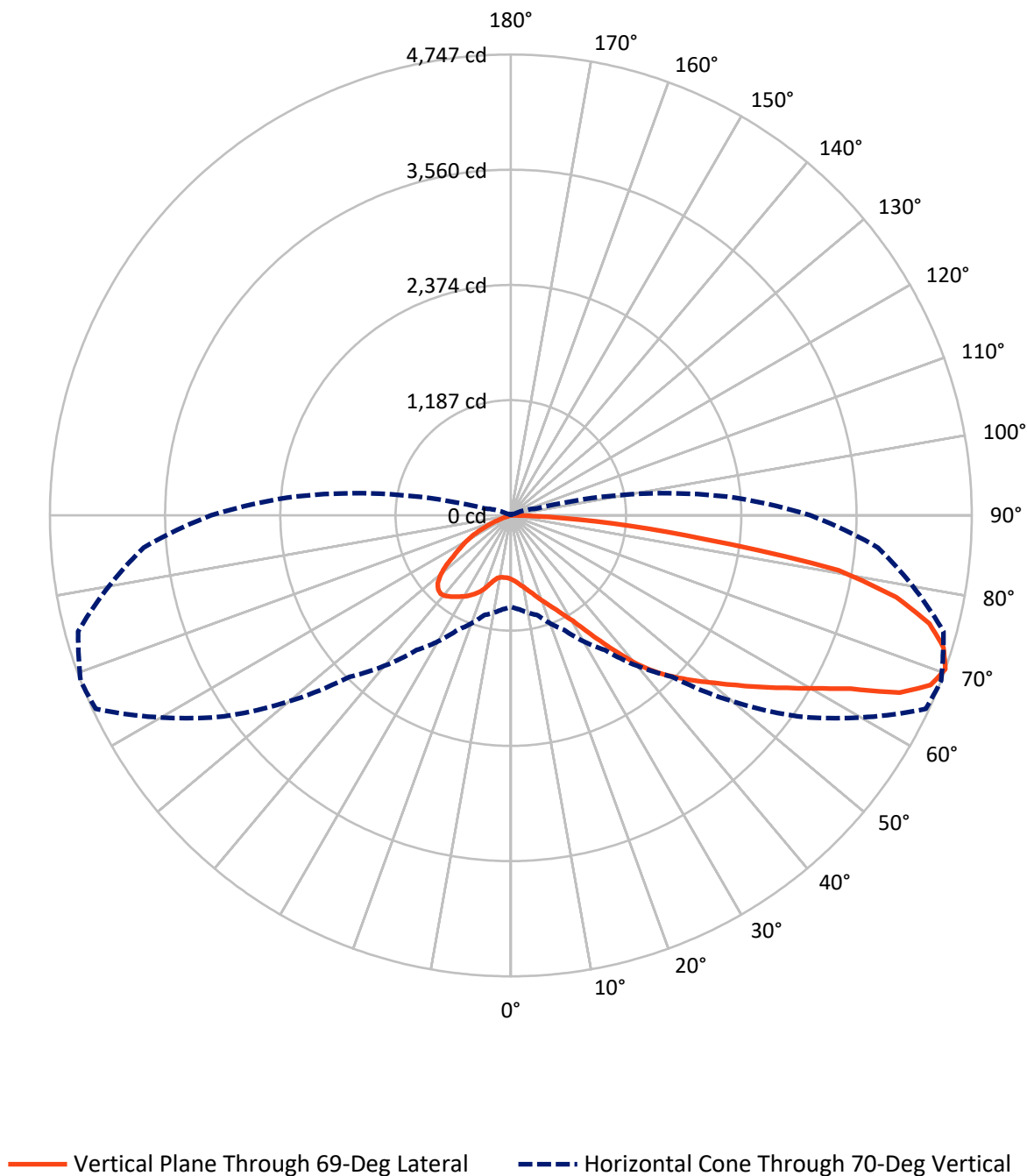


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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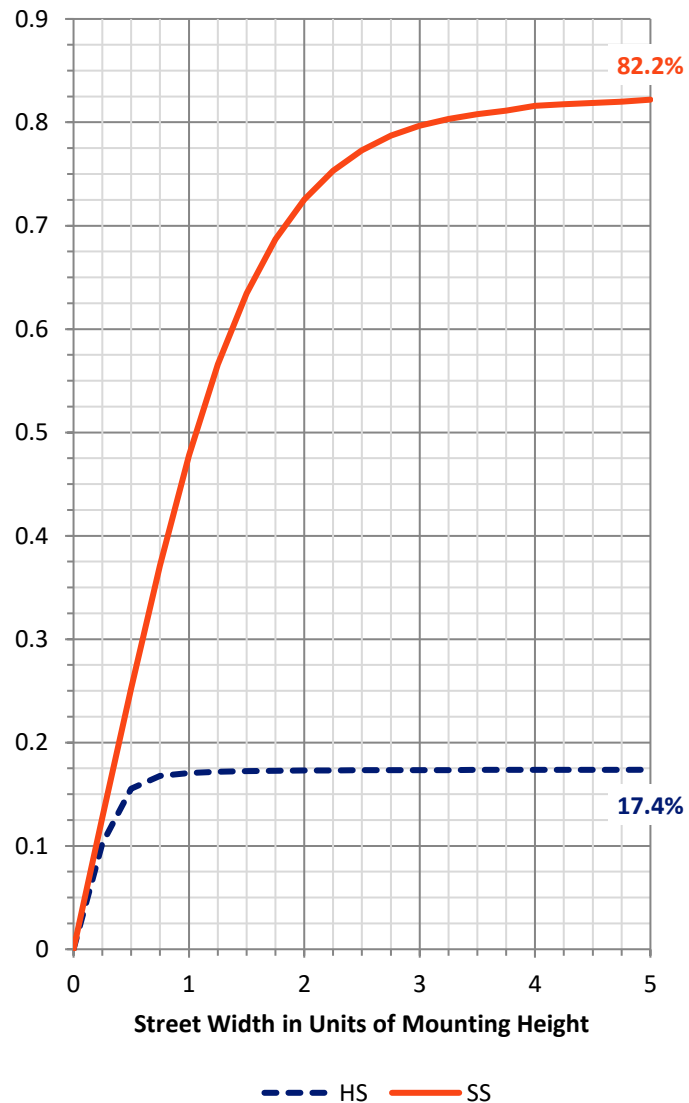
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1155.4	0.0	1155.4
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	5421.6	0.0	5421.6
	% Fixture	82.4	0.0	82.4
Total	Lumens	6577.0	0.0	6577.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.0
10°-20°	202.8	3.1
20°-30°	372.0	5.7
30°-40°	639.0	9.7
40°-50°	998.6	15.2
50°-60°	1333.7	20.3
60°-70°	1560.7	23.7
70°-80°	1172.4	17.8
80°-90°	233.7	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°	6577.0	100.0
0°-180°	6577.0	100.0

Coefficient of Utilization



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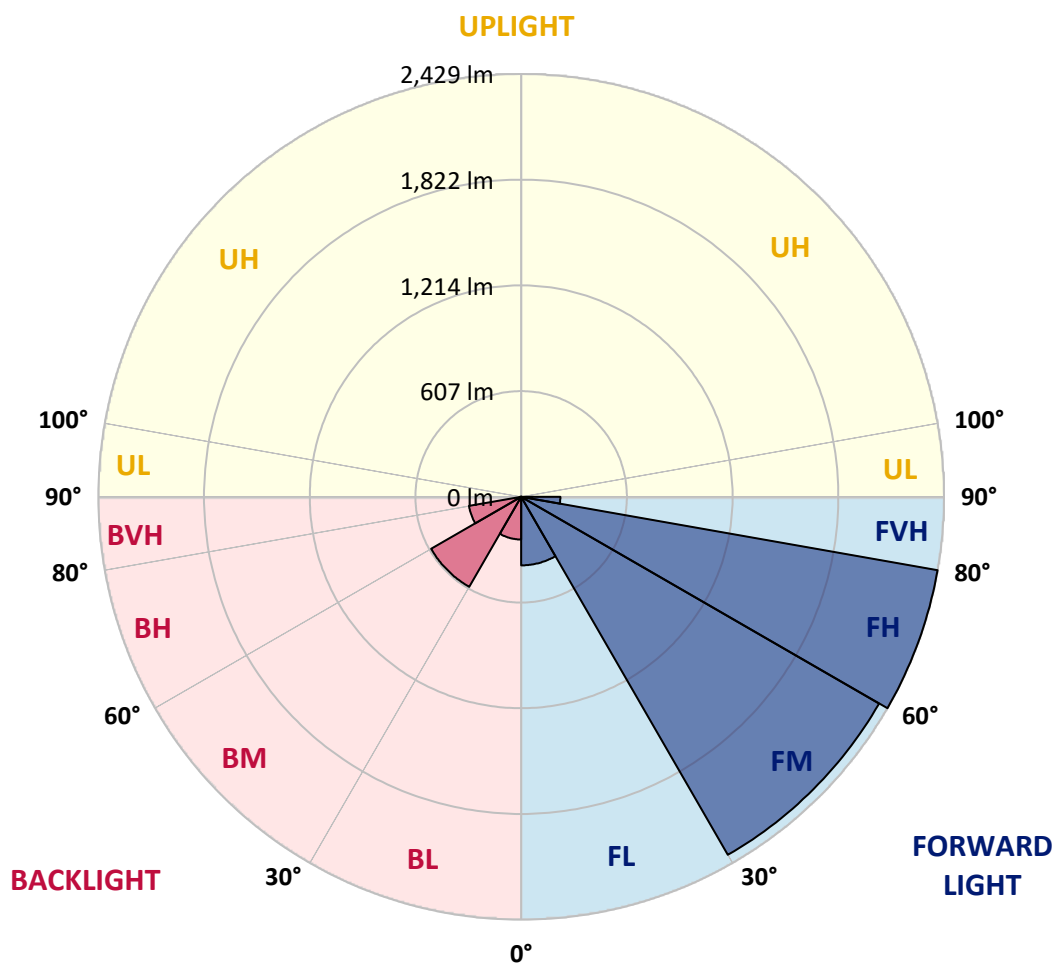
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.7	6.0			
FM	(30°-60°)	2374.2	36.1			
FH	(60°-80°)	2428.7	36.9			G2/5000
FVH	(80°-90°)	225.1	3.4			G3/500
BL	(0°-30°)	245.1	3.7	B1/500		
BM	(30°-60°)	597.1	9.1	B1/1000		
BH	(60°-80°)	304.5	4.6	B1/500		G1/500
BVH	(80°-90°)	8.7	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°	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6
2.5°	703.3	708.2	705.1	693.7	691.6	690.9	683.5	677.1	673.2	672.1	660.1
5°	741.5	745.4	744.3	731.6	728.1	719.9	713.6	696.9	694.4	690.9	676.4
7.5°	770.2	770.9	777.3	766.6	763.1	753.2	744.0	728.8	725.9	720.3	699.8
10°	796.7	801.7	805.2	791.8	797.4	785.1	774.1	763.5	751.8	751.4	725.6
12.5°	813.7	816.6	824.3	813.7	821.9	821.5	811.6	799.6	792.8	786.8	757.4
15°	824.3	827.5	837.8	845.9	848.8	853.4	853.0	843.8	832.1	830.0	799.6
17.5°	841.0	843.8	851.6	864.7	874.6	884.9	893.0	893.7	886.6	884.2	856.2
20°	866.1	865.8	870.0	877.4	896.2	918.8	936.9	943.6	940.8	940.4	919.9
22.5°	892.7	891.2	895.5	899.0	918.5	956.4	986.1	1003.1	1004.1	1002.0	998.5
25°	935.1	928.0	927.7	931.6	957.4	1001.3	1040.2	1069.3	1072.1	1077.8	1109.3
27.5°	1043.1	1042.0	1010.5	983.6	1001.0	1050.9	1108.2	1146.4	1159.5	1181.1	1240.6
30°	1198.5	1192.4	1179.4	1116.7	1070.0	1115.6	1187.8	1247.0	1260.8	1337.6	1390.7
32.5°	1337.9	1331.2	1325.9	1267.8	1203.4	1193.2	1265.7	1366.6	1406.2	1525.2	1564.8
35°	1459.7	1455.8	1455.8	1416.8	1351.7	1307.5	1359.2	1494.0	1589.2	1755.6	1766.2
37.5°	1570.1	1573.3	1577.5	1534.7	1501.4	1487.3	1483.4	1651.9	1793.8	1968.7	1970.1
40°	1667.8	1674.9	1683.4	1652.2	1629.6	1642.0	1619.0	1842.3	2018.9	2208.6	2164.0
42.5°	1743.9	1753.5	1796.3	1753.1	1769.7	1794.9	1789.9	1993.4	2212.2	2384.2	2341.0
45°	1800.5	1808.0	1833.8	1846.2	1885.8	1936.1	1947.1	2148.5	2377.8	2544.2	2485.4
47.5°	1844.8	1839.5	1855.0	1918.4	2001.9	2058.2	2101.7	2326.1	2539.9	2692.1	2611.8
50°	1865.3	1864.6	1903.2	1981.0	2103.2	2183.5	2267.0	2558.0	2709.5	2833.3	2742.4
52.5°	1880.5	1892.9	1953.8	2044.8	2204.0	2313.7	2401.5	2782.4	2902.4	2988.7	2885.7
55°	1891.8	1915.9	1975.7	2079.8	2273.4	2426.0	2542.8	2986.2	3118.3	3135.6	3014.9
57.5°	1821.4	1846.9	1941.4	2090.1	2327.6	2522.9	2688.2	3220.2	3352.2	3342.0	3153.3
60°	1702.1	1722.7	1838.0	2060.7	2334.3	2630.9	2896.3	3480.4	3614.5	3613.1	3317.2
62.5°	1576.1	1594.5	1708.5	1963.7	2289.3	2689.6	3139.2	3870.8	3926.7	3871.1	3466.6
65°	1415.8	1434.5	1547.8	1800.9	2178.5	2686.5	3344.1	4288.4	4401.0	4240.3	3634.7
67.5°	1203.4	1233.5	1335.8	1570.1	1965.1	2584.2	3521.8	4603.4	4663.6	4518.5	3739.1
70°	941.5	970.9	1063.3	1302.5	1692.9	2350.2	3609.2	4716.3	4747.1	4613.0	3794.0
72.5°	657.6	682.1	723.8	930.9	1315.6	1989.2	3603.9	4661.8	4660.4	4524.1	3669.0
75°	234.3	267.2	436.4	562.4	765.9	1462.9	3368.2	4437.4	4453.0	4329.5	3411.7
77.5°	60.9	63.7	134.5	271.5	430.4	707.5	2501.3	4015.9	4058.0	3914.7	2999.7
80°	44.6	46.7	64.8	189.0	246.3	311.5	1371.9	3290.6	3421.2	3346.6	2299.9
82.5°	31.5	34.0	47.4	124.6	162.8	207.1	515.3	1787.1	1994.5	1982.5	1135.1
85°	19.8	21.6	29.7	44.6	61.9	83.2	145.1	917.4	1052.6	1109.6	496.2
87.5°	9.2	10.6	16.6	26.5	37.9	43.9	43.9	196.8	245.3	260.5	105.8
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°	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6	657.6
2.5°	653.7	658.0	648.8	643.5	632.5	627.2	624.4	619.1	617.6	620.1	622.6
5°	669.0	670.0	651.3	635.3	621.5	606.0	598.5	583.0	576.2	578.7	581.5
7.5°	688.4	686.7	658.0	634.3	609.5	587.9	572.7	547.9	540.8	539.1	543.0
10°	706.8	698.0	666.1	633.9	601.0	571.3	547.9	521.7	504.7	502.6	503.3
12.5°	740.1	723.1	686.3	641.0	601.4	568.8	534.8	496.2	476.4	470.0	470.0
15°	786.1	757.8	723.1	671.1	624.0	577.6	529.2	478.9	444.2	429.0	428.6
17.5°	835.7	811.6	774.8	712.8	650.9	585.1	516.8	451.6	406.0	384.4	382.3
20°	904.0	890.2	848.1	763.1	676.7	586.1	501.2	418.0	356.4	327.0	320.7
22.5°	1000.6	981.8	911.4	802.4	685.6	577.3	471.5	363.9	288.1	249.5	245.6
25°	1100.4	1071.8	973.0	830.0	692.3	559.6	428.6	288.8	207.1	171.0	166.4
27.5°	1210.9	1165.9	1025.7	856.2	684.2	529.2	352.9	201.0	134.5	111.5	106.9
30°	1339.0	1273.5	1082.4	874.2	675.3	467.6	261.2	130.3	87.1	70.1	69.0
32.5°	1497.9	1407.3	1138.3	883.1	643.5	387.2	168.8	83.2	53.8	45.3	43.9
35°	1687.6	1561.3	1213.3	881.3	591.4	280.3	105.8	48.8	35.7	34.3	34.3
37.5°	1867.4	1729.0	1303.2	873.9	509.0	178.7	60.5	31.9	31.1	35.7	37.9
40°	2049.4	1892.9	1400.2	853.7	404.6	107.6	33.6	28.3	29.7	35.0	37.2
42.5°	2207.6	2022.1	1494.0	809.8	284.9	57.7	29.7	26.5	28.0	30.4	30.8
45°	2335.3	2142.1	1544.6	748.2	168.8	36.5	28.3	25.5	24.4	25.5	25.8
47.5°	2472.7	2244.4	1585.7	657.3	91.3	35.7	28.0	23.7	21.6	20.9	21.6
50°	2575.0	2353.0	1600.2	522.8	48.1	34.3	26.5	21.6	19.5	20.9	21.2
52.5°	2673.7	2436.6	1593.5	364.9	40.7	31.5	24.4	20.2	18.4	22.7	23.7
55°	2805.4	2539.6	1545.0	177.7	39.6	29.7	21.9	17.7	17.7	17.7	17.7
57.5°	2925.7	2610.4	1448.0	81.1	38.2	27.3	19.8	15.9	13.4	14.9	15.2
60°	3050.3	2719.7	1282.7	51.7	36.1	23.7	17.0	13.8	11.7	11.7	12.0
62.5°	3173.8	2743.1	1053.0	45.7	34.3	21.6	14.9	12.0	9.9	9.9	10.6
65°	3275.8	2704.2	775.5	40.7	32.6	19.5	13.4	11.0	8.5	8.1	8.5
67.5°	3237.2	2514.1	503.7	36.5	29.7	17.7	11.7	9.9	7.8	6.4	6.7
70°	3086.4	2227.7	272.2	35.0	26.9	16.3	10.6	8.8	7.1	5.3	5.3
72.5°	2843.6	1877.3	102.3	32.6	24.8	14.2	9.6	8.8	6.7	4.2	3.9
75°	2445.8	1417.6	48.5	29.4	20.9	12.7	9.6	9.2	6.7	2.8	2.5
77.5°	1961.9	790.7	37.2	24.8	17.0	10.6	9.6	8.8	3.9	1.4	1.1
80°	1054.4	297.0	28.0	18.1	12.4	8.1	8.8	6.4	1.8	0.4	0.0
82.5°	418.4	73.3	19.5	8.1	5.3	3.5	5.0	2.5	0.4	0.0	0.0
85°	105.5	28.7	12.0	4.2	2.8	1.8	0.7	0.0	0.0	0.0	0.0
87.5°	12.0	8.1	3.5	2.1	1.1	0.4	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)