

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: P287018

Luminaire Tested: **USSL-C01-D-U-T3-AP-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287018
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-7030-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 6721.9 lumens
Efficiency: N/A
Efficacy: 129.3 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



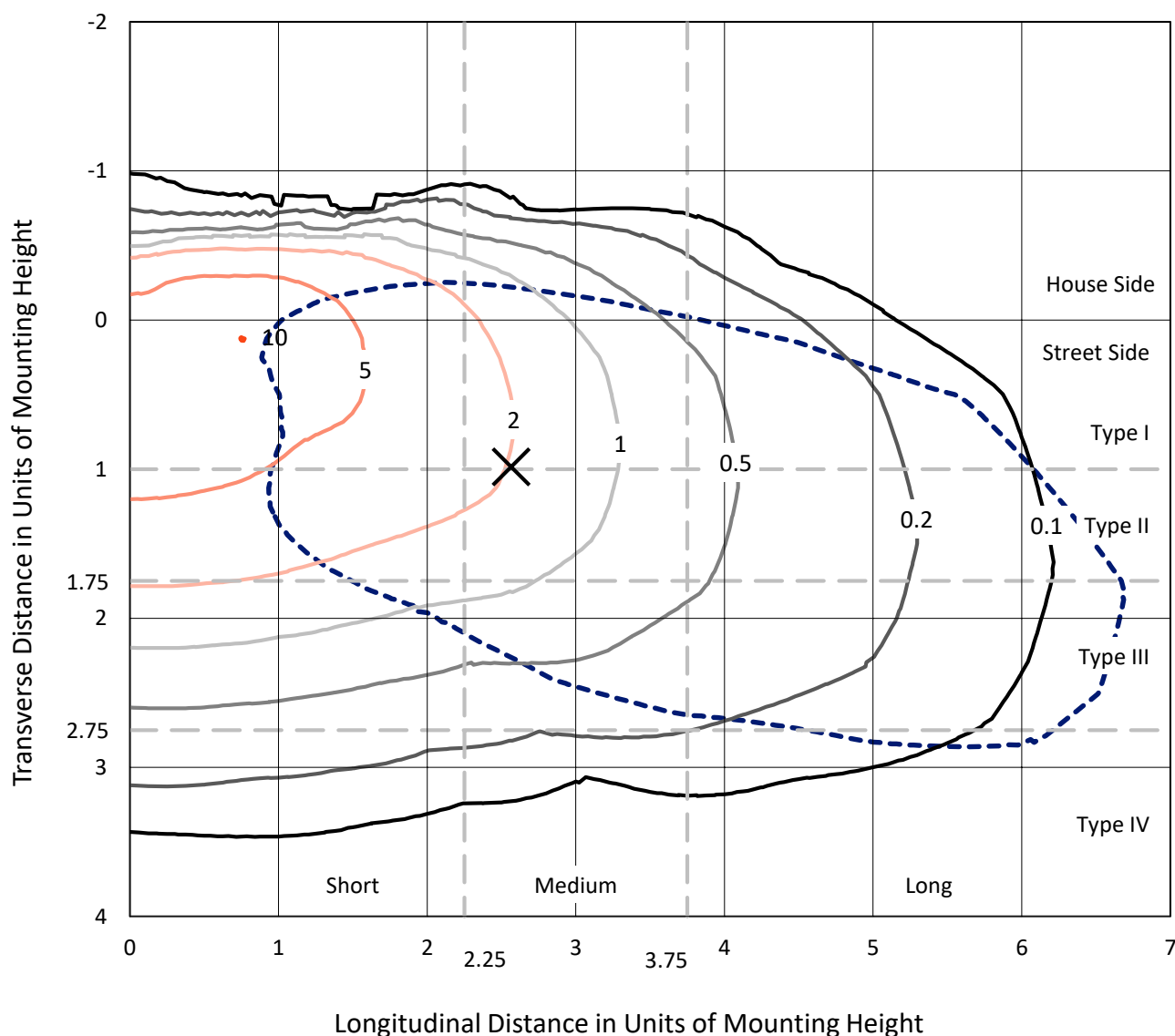
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

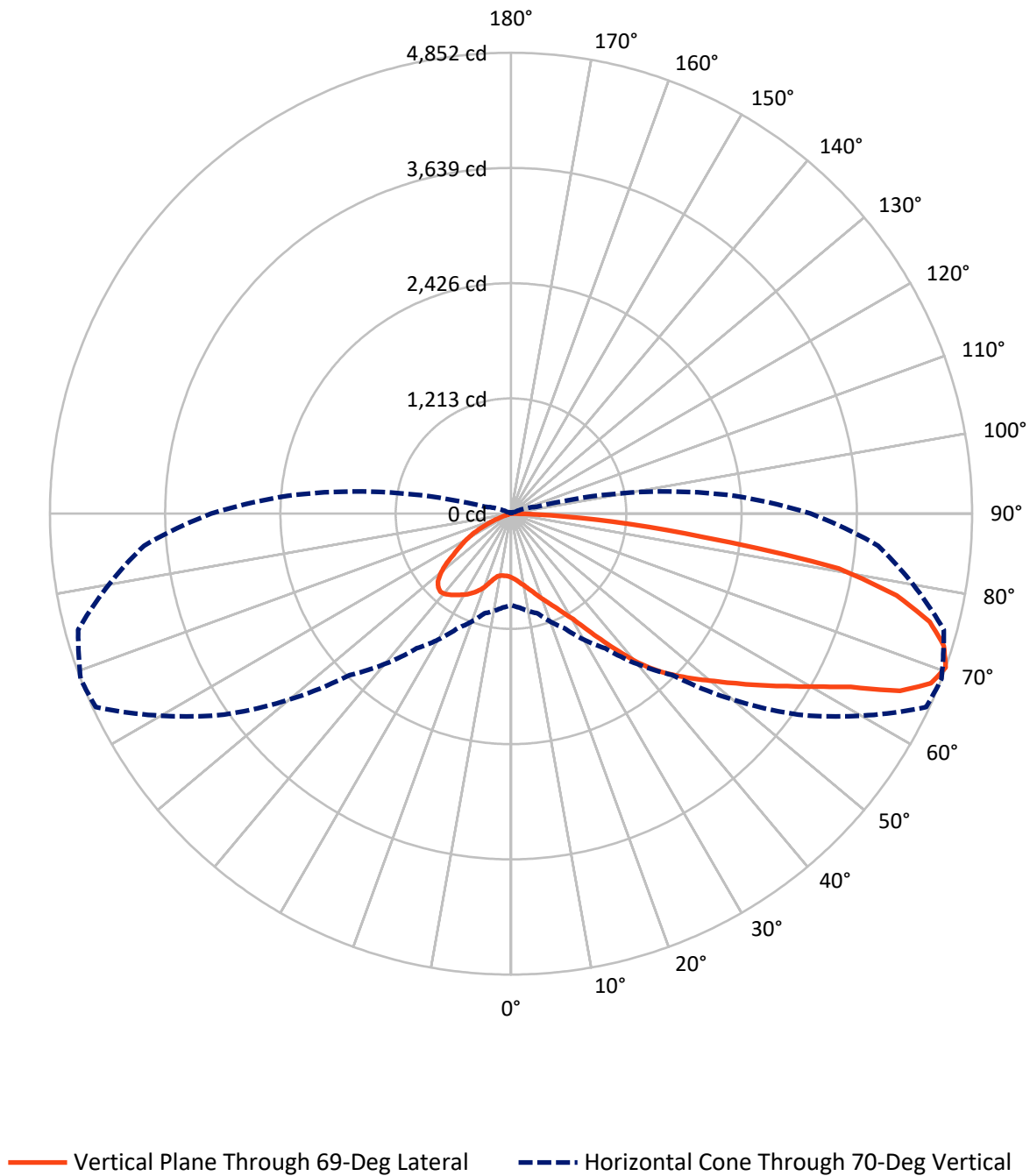


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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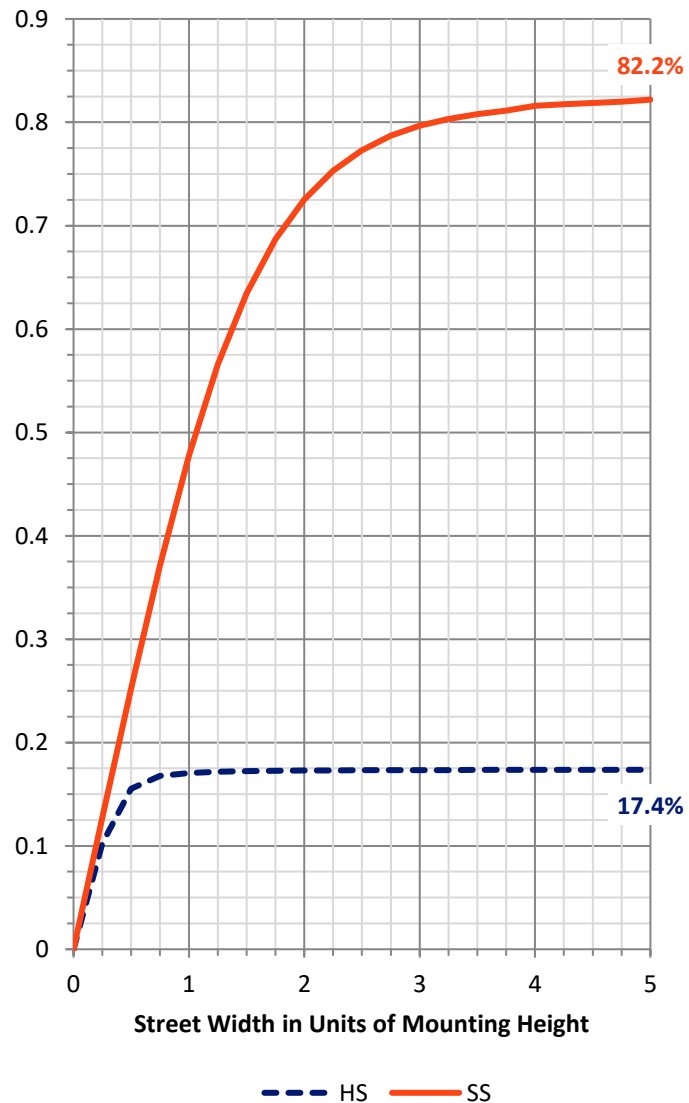
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1180.8	0.0	1180.8
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	5541.1	0.0	5541.1
	% Fixture	82.4	0.0	82.4
Total	Lumens	6721.9	0.0	6721.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.0
10°-20°	207.3	3.1
20°-30°	380.2	5.7
30°-40°	653.1	9.7
40°-50°	1020.6	15.2
50°-60°	1363.0	20.3
60°-70°	1595.1	23.7
70°-80°	1198.3	17.8
80°-90°	238.9	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°	6721.9	100.0
0°-180°	6721.9	100.0

Coefficient of Utilization



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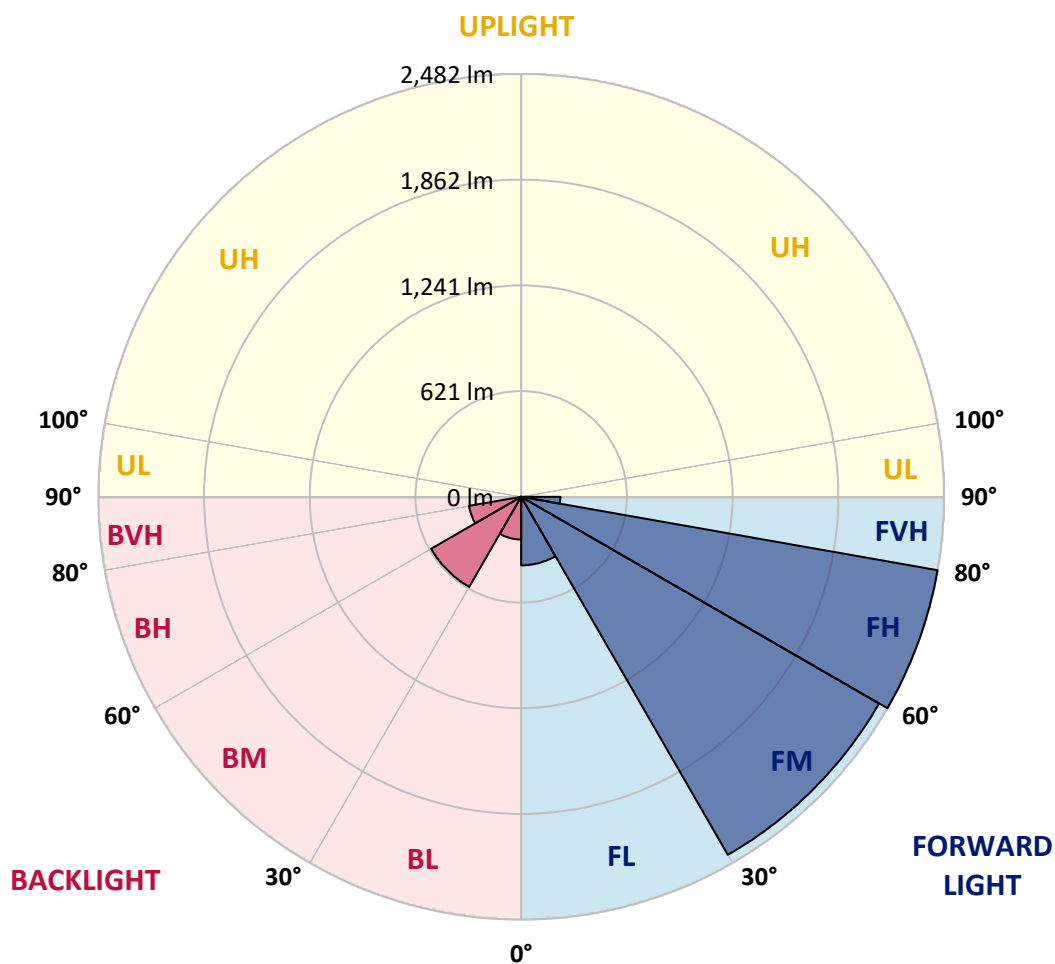
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	402.3	6.0			
FM	(30°-60°)	2426.5	36.1			
FH	(60°-80°)	2482.2	36.9			G2/5000
FVH	(80°-90°)	230.0	3.4			G3/500
BL	(0°-30°)	250.6	3.7	B1/500		
BM	(30°-60°)	610.2	9.1	B1/1000		
BH	(60°-80°)	311.2	4.6	B1/500		G1/500
BVH	(80°-90°)	8.9	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°	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1
2.5°	718.8	723.8	720.6	709.0	706.8	706.1	698.6	692.0	688.1	686.9	674.6
5°	757.8	761.9	760.8	747.8	744.2	735.8	729.3	712.3	709.7	706.1	691.3
7.5°	787.2	787.9	794.4	783.6	779.9	769.8	760.4	744.8	741.9	736.1	715.2
10°	814.3	819.3	823.0	809.2	815.0	802.3	791.1	780.3	768.3	768.0	741.6
12.5°	831.6	834.6	842.5	831.6	840.0	839.7	829.5	817.2	810.3	804.1	774.2
15°	842.5	845.8	856.3	864.6	867.4	872.2	871.8	862.4	850.5	848.2	817.2
17.5°	859.5	862.4	870.4	883.7	893.9	904.4	912.7	913.4	906.2	903.7	875.1
20°	885.2	884.8	889.2	896.8	916.0	939.1	957.5	964.4	961.5	961.1	940.1
22.5°	912.4	910.9	915.2	918.8	938.8	977.4	1007.9	1025.1	1026.3	1024.1	1020.5
25°	955.7	948.5	948.1	952.1	978.5	1023.3	1063.2	1092.9	1095.7	1101.6	1133.7
27.5°	1066.0	1065.0	1032.8	1005.3	1023.0	1074.0	1132.6	1171.7	1185.1	1207.1	1268.0
30°	1224.8	1218.7	1205.3	1141.3	1093.5	1140.2	1214.0	1274.4	1288.5	1367.1	1421.3
32.5°	1367.4	1360.5	1355.1	1295.7	1229.9	1219.4	1293.6	1396.7	1437.2	1558.8	1599.3
35°	1491.8	1487.9	1487.9	1448.0	1381.5	1336.3	1389.1	1526.9	1624.2	1794.2	1805.1
37.5°	1604.7	1608.0	1612.3	1568.5	1534.5	1520.0	1516.1	1688.2	1833.3	2012.0	2013.5
40°	1704.5	1711.7	1720.4	1688.6	1665.4	1678.1	1654.6	1882.9	2063.4	2257.3	2211.7
42.5°	1782.3	1792.1	1835.9	1791.8	1808.7	1834.4	1829.4	2037.3	2260.9	2436.7	2392.6
45°	1840.2	1847.8	1874.2	1886.8	1927.3	1978.7	1990.0	2195.8	2430.2	2600.3	2540.2
47.5°	1885.5	1879.9	1895.9	1960.6	2046.0	2103.6	2148.0	2377.4	2595.9	2751.4	2669.4
50°	1906.4	1905.7	1945.1	2024.7	2149.5	2231.6	2316.9	2614.3	2769.2	2895.8	2802.8
52.5°	1921.9	1934.6	1996.9	2089.8	2252.6	2364.7	2454.4	2843.7	2966.3	3054.5	2949.3
55°	1933.5	1958.2	2019.2	2125.6	2323.5	2479.4	2598.8	3052.0	3187.0	3204.7	3081.3
57.5°	1861.5	1887.6	1984.1	2136.1	2378.8	2578.5	2747.5	3291.1	3426.1	3415.6	3222.7
60°	1739.6	1760.6	1878.6	2106.0	2385.7	2688.9	2960.2	3557.0	3694.2	3692.7	3390.3
62.5°	1610.8	1629.7	1746.2	2006.9	2339.7	2748.9	3208.3	3956.1	4013.2	3956.4	3542.9
65°	1447.0	1466.2	1581.9	1840.5	2226.5	2745.7	3417.8	4382.9	4497.9	4333.7	3714.7
67.5°	1229.9	1260.6	1365.3	1604.7	2008.4	2641.1	3599.3	4704.8	4766.4	4618.0	3821.5
70°	962.3	992.3	1086.7	1331.2	1730.2	2401.9	3688.7	4820.2	4851.7	4714.6	3877.5
72.5°	672.1	697.1	739.8	951.4	1344.6	2033.0	3683.3	4764.6	4763.1	4623.8	3749.8
75°	239.4	273.1	446.0	574.8	782.8	1495.1	3442.3	4535.2	4551.1	4424.9	3486.9
77.5°	62.2	65.1	137.5	277.5	439.9	723.2	2556.5	4104.4	4147.4	4000.9	3065.8
80°	45.6	47.8	66.2	193.2	251.7	318.3	1402.1	3363.2	3496.6	3420.3	2350.6
82.5°	32.2	34.8	48.4	127.3	166.4	211.7	526.7	1826.4	2038.4	2026.1	1160.1
85°	20.2	22.0	30.4	45.6	63.3	85.0	148.3	937.6	1075.8	1134.1	507.2
87.5°	9.4	10.8	17.0	27.1	38.7	44.8	44.8	201.2	250.7	266.2	108.1
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°	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1	672.1
2.5°	668.2	672.5	663.1	657.7	646.4	641.0	638.2	632.7	631.3	633.8	636.3
5°	683.7	684.8	665.6	649.3	635.2	619.3	611.7	595.8	588.9	591.4	594.4
7.5°	703.6	701.8	672.5	648.2	622.9	600.9	585.3	559.9	552.7	550.9	555.0
10°	722.4	713.3	680.8	647.9	614.2	583.9	559.9	533.2	515.9	513.6	514.4
12.5°	756.5	739.1	701.4	655.1	614.6	581.4	546.6	507.2	486.9	480.3	480.3
15°	803.4	774.5	739.1	685.9	637.7	590.4	540.8	489.5	454.0	438.5	438.1
17.5°	854.1	829.5	791.9	728.6	665.3	598.0	528.1	461.6	415.0	392.9	390.7
20°	923.9	909.8	866.8	779.9	691.7	599.1	512.2	427.2	364.3	334.3	327.7
22.5°	1022.7	1003.5	931.4	820.0	700.7	590.0	481.8	371.9	294.4	255.0	251.1
25°	1124.7	1095.4	994.4	848.2	707.6	571.9	438.1	295.2	211.7	174.7	170.0
27.5°	1237.5	1191.5	1048.3	875.1	699.2	540.8	360.7	205.5	137.5	113.9	109.3
30°	1368.4	1301.6	1106.2	893.5	690.2	477.9	267.0	133.1	89.0	71.6	70.6
32.5°	1530.9	1438.3	1163.3	902.5	657.7	395.8	172.6	85.0	55.0	46.3	44.8
35°	1724.8	1595.7	1240.1	900.7	604.5	286.5	108.1	49.9	36.6	35.1	35.1
37.5°	1908.6	1767.2	1332.0	893.2	520.2	182.7	61.9	32.5	31.8	36.6	38.7
40°	2094.5	1934.6	1431.1	872.5	413.5	110.0	34.3	28.9	30.4	35.8	37.9
42.5°	2256.2	2066.6	1526.9	827.7	291.2	58.9	30.4	27.1	28.6	31.2	31.5
45°	2386.8	2189.2	1578.6	764.7	172.6	37.3	28.9	26.1	24.9	26.1	26.4
47.5°	2527.1	2293.8	1620.6	671.8	93.4	36.6	28.6	24.3	22.0	21.3	22.0
50°	2631.7	2404.9	1635.4	534.3	49.2	35.1	27.1	22.0	19.9	21.3	21.7
52.5°	2732.6	2490.2	1628.5	373.0	41.5	32.2	24.9	20.7	18.8	23.1	24.3
55°	2867.1	2595.5	1579.0	181.6	40.5	30.4	22.5	18.1	18.1	18.1	18.1
57.5°	2990.2	2667.9	1479.9	82.9	39.1	27.9	20.2	16.3	13.8	15.2	15.6
60°	3117.5	2779.6	1311.0	52.8	36.9	24.3	17.4	14.1	12.0	12.0	12.3
62.5°	3243.7	2803.5	1076.2	46.6	35.1	22.0	15.2	12.3	10.2	10.2	10.8
65°	3347.9	2763.7	792.6	41.5	33.3	19.9	13.8	11.2	8.7	8.3	8.7
67.5°	3308.5	2569.5	514.8	37.3	30.4	18.1	12.0	10.2	7.9	6.5	6.9
70°	3154.4	2276.8	278.2	35.8	27.5	16.6	10.8	9.0	7.2	5.4	5.4
72.5°	2906.2	1918.7	104.5	33.3	25.3	14.5	9.8	9.0	6.9	4.3	4.0
75°	2499.7	1448.8	49.6	30.0	21.3	13.0	9.8	9.4	6.9	2.9	2.5
77.5°	2005.1	808.2	37.9	25.3	17.4	10.8	9.8	9.0	4.0	1.5	1.1
80°	1077.6	303.6	28.6	18.4	12.6	8.3	9.0	6.5	1.8	0.3	0.0
82.5°	427.6	74.8	19.9	8.3	5.4	3.6	5.1	2.5	0.3	0.0	0.0
85°	107.8	29.3	12.3	4.3	2.9	1.8	0.7	0.0	0.0	0.0	0.0
87.5°	12.3	8.3	3.6	2.1	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)