

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: P286970

Luminaire Tested: **USSL-C01-D-U-T4-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-8)
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-AP-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE IV OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7375.8 lumens
Efficiency: N/A
Efficacy: 141.8 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

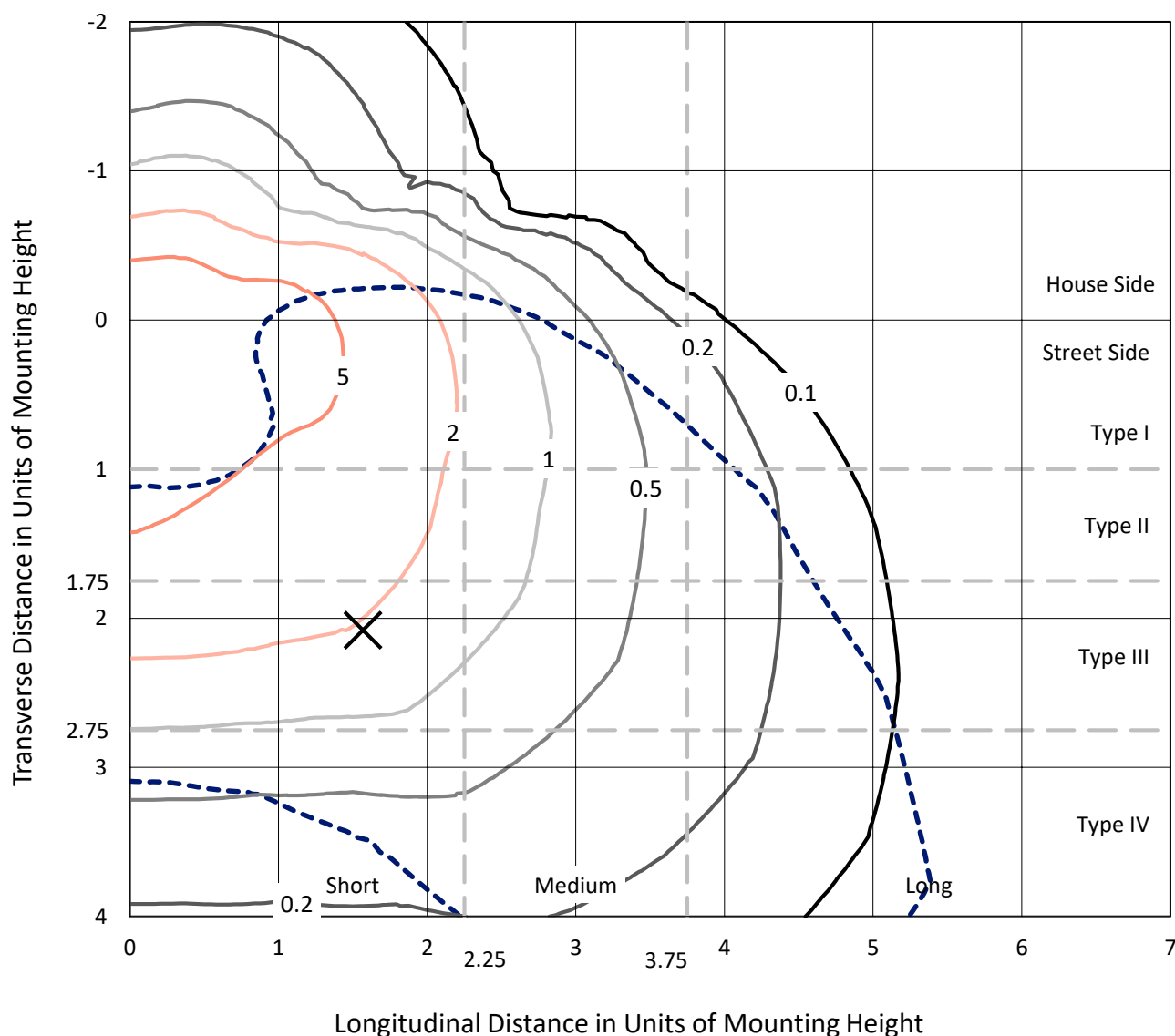


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

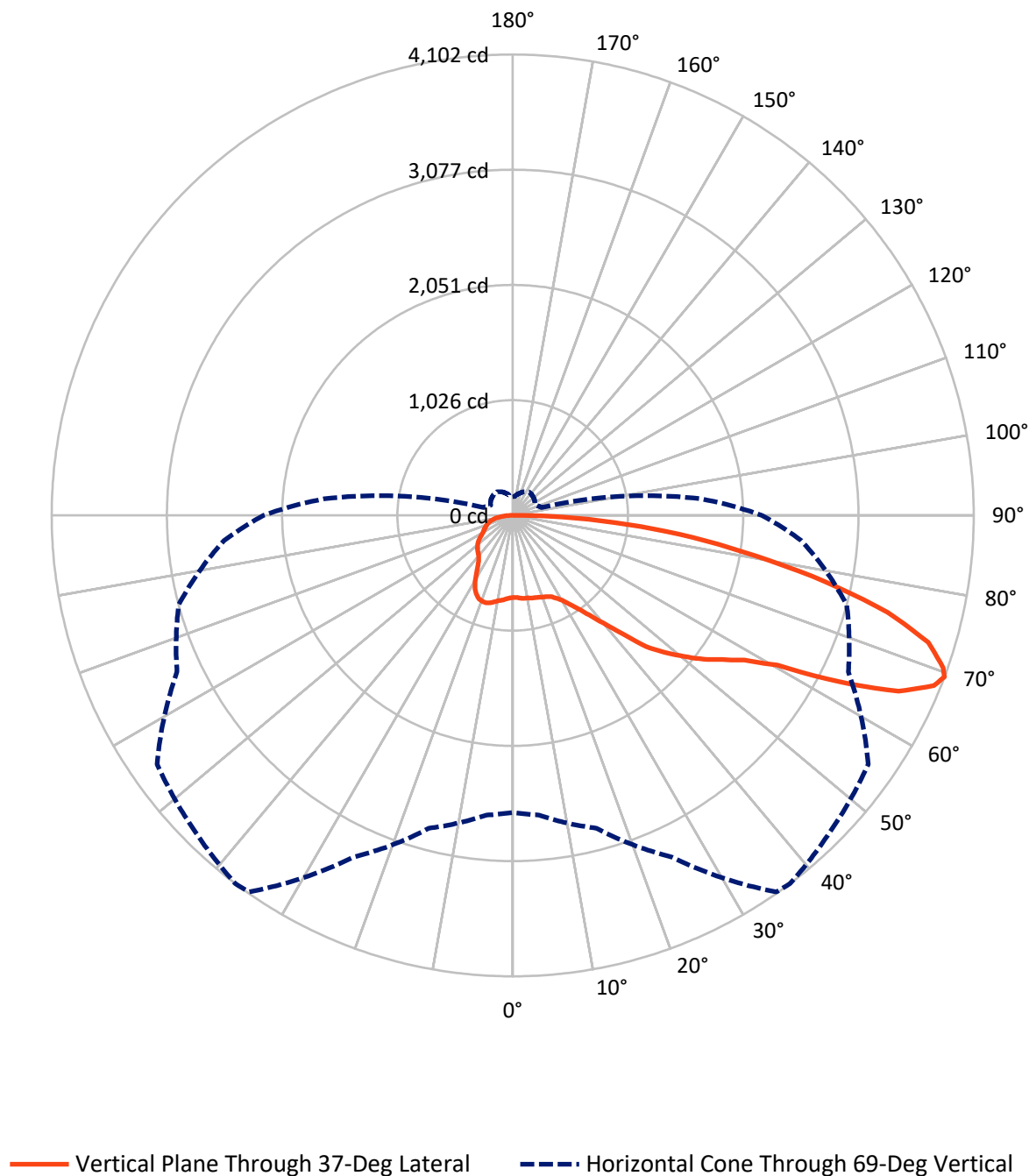


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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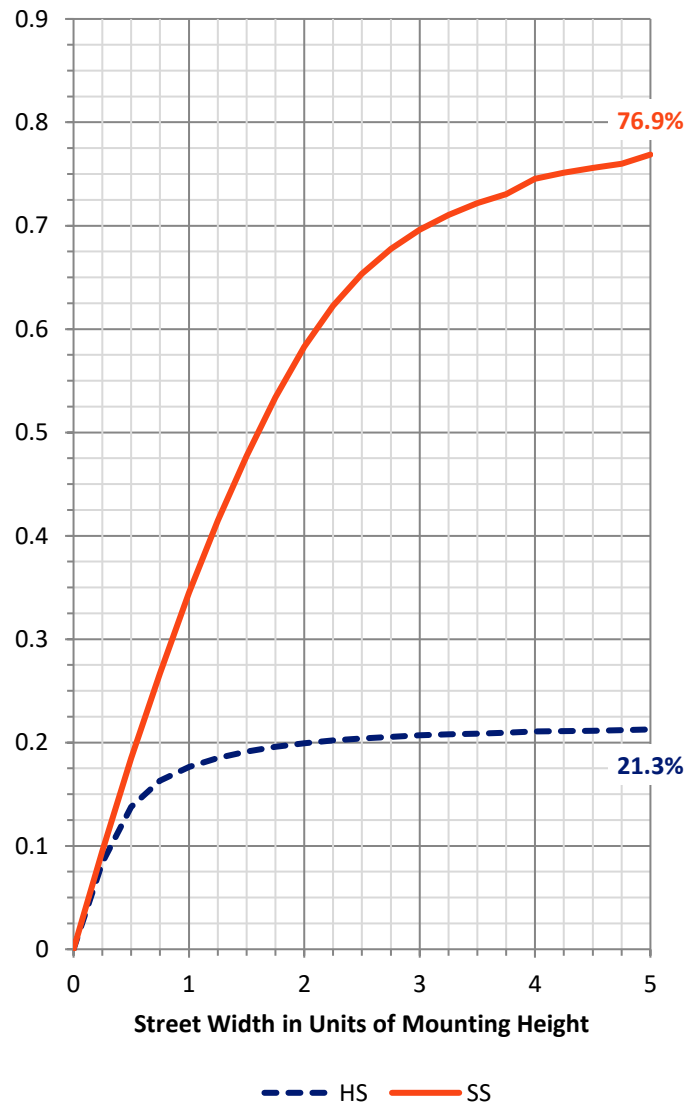
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1590.5	0.0	1590.5
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5785.4	0.0	5785.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	7375.8	0.0	7375.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.0
10°-20°	222.9	3.0
20°-30°	380.8	5.2
30°-40°	603.7	8.2
40°-50°	1025.8	13.9
50°-60°	1454.3	19.7
60°-70°	1850.7	25.1
70°-80°	1420.3	19.3
80°-90°	346.2	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°	7375.8	100.0
0°-180°	7375.8	100.0

Coefficient of Utilization



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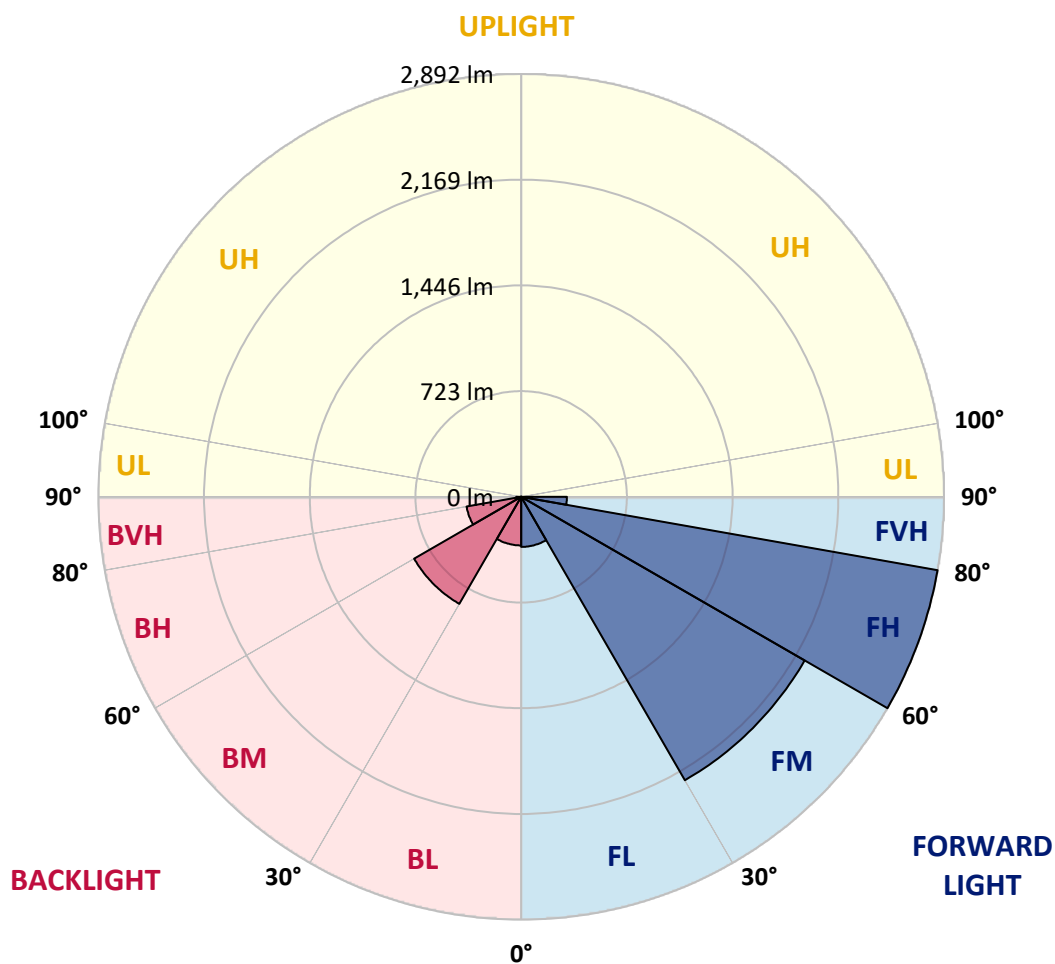
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	342.4	4.6			
FM	(30°-60°)	2238.4	30.3			
FH	(60°-80°)	2891.6	39.2			G2/5000
FVH	(80°-90°)	312.9	4.2			G3/500
BL	(0°-30°)	332.6	4.5	B1/500		
BM	(30°-60°)	845.3	11.5	B1/1000		
BH	(60°-80°)	379.4	5.1	B1/500		G1/500
BVH	(80°-90°)	33.3	0.5			G1/100
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°	37°	45°	55°	65°	75°	85°
0°	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4
2.5°	744.5	740.6	740.6	732.2	732.2	731.4	733.3	729.0	728.3	727.5	725.0
5°	753.9	752.4	747.4	741.3	744.2	740.1	740.1	734.4	734.7	734.0	730.1
7.5°	751.8	754.2	753.9	746.7	744.5	745.6	746.0	746.3	742.7	742.4	739.5
10°	758.6	756.1	757.2	746.0	748.8	746.3	750.3	750.0	750.0	750.0	746.7
12.5°	744.2	747.0	748.1	750.0	755.4	755.4	761.9	764.4	769.8	773.4	769.1
15°	740.1	737.6	748.1	747.0	759.7	758.6	769.1	783.3	787.9	797.7	800.2
17.5°	738.0	743.1	751.0	750.6	762.9	765.5	780.0	795.9	809.2	825.6	831.3
20°	744.2	744.2	752.4	756.1	774.9	774.9	790.0	810.0	831.0	854.8	867.1
22.5°	763.7	764.4	772.0	768.0	780.0	784.3	797.4	819.7	852.3	878.3	903.7
25°	774.9	779.2	788.2	787.2	798.7	802.0	817.6	846.5	881.6	916.0	958.4
27.5°	801.0	801.3	808.5	806.4	833.8	835.3	849.4	871.4	922.5	962.0	1021.2
30°	838.6	840.7	845.5	851.9	880.6	879.1	888.5	917.8	966.9	1020.2	1100.8
32.5°	920.3	915.6	909.8	910.9	939.2	947.1	965.1	999.9	1060.6	1125.1	1212.3
35°	1059.6	1056.7	1035.7	1011.1	1020.9	1030.3	1060.0	1126.6	1220.3	1371.4	1449.2
37.5°	1241.6	1250.3	1210.8	1158.4	1137.1	1139.2	1166.7	1256.7	1409.8	1695.6	1744.8
40°	1472.0	1459.0	1410.5	1340.3	1286.4	1275.2	1283.9	1399.3	1621.8	1981.4	1990.8
42.5°	1640.2	1642.0	1587.1	1536.0	1465.5	1444.5	1430.0	1539.3	1841.0	2201.7	2168.4
45°	1835.2	1849.3	1789.3	1736.9	1687.3	1665.5	1643.8	1710.8	2067.9	2376.8	2319.6
47.5°	2000.6	2003.1	1925.6	1886.6	1831.6	1821.9	1800.9	1865.2	2252.3	2514.3	2436.1
50°	2153.9	2180.3	2079.7	2024.1	1978.1	1971.9	1979.6	2040.3	2432.2	2633.3	2530.2
52.5°	2417.3	2376.8	2259.2	2154.2	2125.7	2126.1	2124.7	2223.8	2618.1	2733.5	2607.6
55°	2660.0	2581.2	2451.3	2333.4	2263.5	2264.3	2276.6	2397.8	2772.2	2830.0	2660.5
57.5°	2812.0	2855.4	2736.3	2559.4	2427.4	2429.6	2429.3	2560.6	2904.5	2915.0	2701.3
60°	3033.8	3085.5	3054.3	2921.6	2744.3	2705.3	2606.5	2744.3	3040.6	2996.4	2744.7
62.5°	3195.8	3234.2	3320.7	3246.5	3256.5	3260.6	2950.1	2953.8	3137.9	3063.7	2754.2
65°	3196.1	3195.5	3396.2	3488.9	3730.1	3772.1	3641.5	3243.2	3230.2	3074.7	2717.9
67.5°	2890.9	2909.6	3121.0	3464.9	4010.9	4042.4	3958.7	3700.9	3278.0	3087.0	2659.3
69°	2644.1	2677.4	2881.8	3355.0	4090.5	4102.0	3989.1	3862.2	3295.3	3076.5	2577.6
70°	2481.0	2482.4	2690.8	3219.3	4050.3	4063.3	3987.0	3889.7	3280.5	3046.8	2513.1
72.5°	1957.8	1978.5	2162.9	2735.0	3853.2	3865.8	3839.4	3817.3	3259.1	2915.5	2161.6
75°	1431.5	1445.3	1613.8	2142.4	3369.4	3445.8	3561.6	3685.3	3037.0	2507.0	1627.2
77.5°	1003.9	1022.0	1195.7	1626.1	2744.3	2849.2	3110.1	3225.8	2573.2	1963.7	907.3
80°	670.4	692.8	850.5	1211.1	2089.2	2196.2	2498.0	2547.9	1968.3	1177.9	179.8
82.5°	426.5	432.3	557.8	856.0	1553.8	1615.3	1724.6	1620.0	1043.4	268.5	53.2
85°	248.9	259.4	337.5	537.3	957.9	1028.1	1075.9	803.8	252.2	36.1	28.6
87.5°	93.7	98.0	136.7	232.2	448.2	441.3	428.3	271.3	45.3	16.6	13.0
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°	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4	730.4
2.5°	724.7	731.1	727.8	726.5	725.7	729.3	736.2	734.4	733.3	745.2	746.3
5°	730.1	739.1	738.8	740.1	738.0	742.4	745.6	746.7	747.8	760.5	762.3
7.5°	740.1	744.2	745.6	751.4	748.1	755.0	760.8	755.0	760.5	769.5	771.3
10°	749.2	755.4	755.7	764.7	761.5	768.0	769.5	769.5	773.8	784.3	782.5
12.5°	770.9	771.3	783.9	784.6	789.0	788.7	785.7	777.4	773.4	787.5	788.7
15°	802.3	806.4	822.7	821.5	816.1	813.3	801.0	780.3	768.4	766.2	766.2
17.5°	840.4	841.5	862.4	858.1	849.4	830.6	810.4	773.8	740.1	729.3	722.9
20°	871.4	880.6	906.2	891.4	876.2	845.8	801.3	751.0	698.9	672.5	665.6
22.5°	913.8	931.5	946.4	924.7	892.9	848.7	790.0	717.8	649.4	608.2	600.9
25°	973.8	984.0	983.3	945.6	895.4	839.7	757.9	670.7	587.2	541.9	528.6
27.5°	1035.7	1042.9	1012.5	961.5	886.7	814.0	716.0	609.2	524.2	483.6	473.6
30°	1105.9	1098.7	1035.4	954.7	863.9	768.7	656.9	541.6	469.5	433.7	428.3
32.5°	1214.1	1176.8	1055.7	938.8	822.7	706.5	585.0	493.1	434.1	392.2	385.0
35°	1401.8	1323.0	1091.8	924.7	772.8	636.7	523.1	459.5	402.7	353.1	343.7
37.5°	1644.5	1519.0	1159.8	900.4	713.7	568.7	483.6	431.3	378.8	323.8	313.3
40°	1882.6	1724.1	1251.3	876.2	658.1	522.4	461.3	420.0	369.4	312.9	301.8
42.5°	2056.3	1888.4	1351.2	853.0	604.1	486.2	450.0	416.8	369.7	314.7	304.2
45°	2187.2	2018.7	1452.5	821.2	541.2	458.4	439.5	413.5	369.4	316.6	303.6
47.5°	2302.6	2104.0	1522.3	779.2	481.5	436.7	426.9	401.2	360.4	309.0	297.7
50°	2384.0	2185.1	1567.9	742.7	435.5	417.5	409.1	381.2	339.0	294.1	281.1
52.5°	2441.6	2237.6	1573.3	733.7	400.9	400.9	387.8	358.9	318.0	272.8	260.1
55°	2502.0	2267.6	1549.8	700.1	364.3	373.3	365.0	343.7	304.2	258.0	250.0
57.5°	2499.5	2252.3	1502.7	562.5	323.4	332.8	336.1	330.3	299.2	261.6	254.0
60°	2516.1	2236.8	1424.6	391.1	284.7	299.2	312.9	312.9	283.3	238.8	230.8
62.5°	2507.4	2201.0	1257.9	275.7	254.0	277.1	294.4	281.1	252.2	214.5	209.4
65°	2450.9	2098.9	943.5	234.0	243.1	264.4	280.3	259.8	230.1	193.9	190.3
67.5°	2347.9	1911.2	501.8	218.9	238.4	255.8	264.4	242.0	212.7	176.2	172.2
69°	2216.6	1684.0	269.1	216.6	237.6	248.5	254.7	231.5	199.7	167.5	167.5
70°	2080.5	1504.2	174.0	217.8	234.8	244.2	247.8	224.3	192.1	158.5	157.0
72.5°	1630.1	967.4	145.4	206.9	226.1	230.4	230.1	205.1	168.6	120.5	122.6
75°	989.4	295.2	139.0	189.2	211.7	220.7	214.8	172.2	131.3	100.9	100.9
77.5°	269.1	103.4	131.6	172.6	193.2	195.8	193.9	160.3	117.2	83.5	84.3
80°	80.3	80.3	122.6	143.9	163.9	175.4	166.4	140.8	94.0	44.1	45.6
82.5°	46.3	52.0	102.7	101.3	132.4	132.1	132.1	100.6	63.7	28.9	23.5
85°	24.6	36.9	55.8	58.3	62.2	70.2	95.2	86.8	48.1	13.0	2.9
87.5°	14.1	21.0	15.2	10.8	22.8	41.7	61.5	58.9	40.2	0.3	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)