

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-AP-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-AP-7050-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K 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: 6971 lumens
Efficiency: N/A
Efficacy: 134.1 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

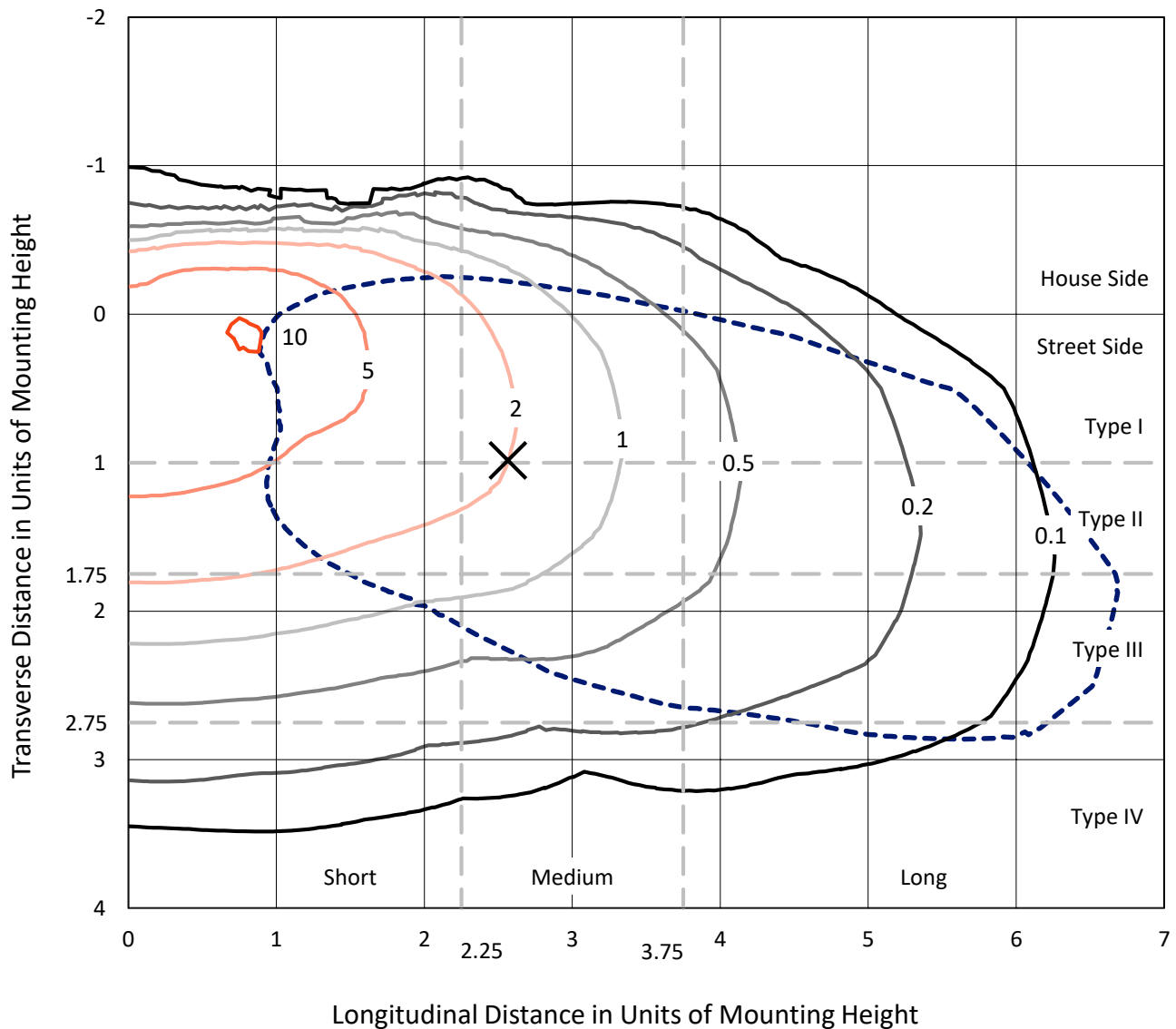


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

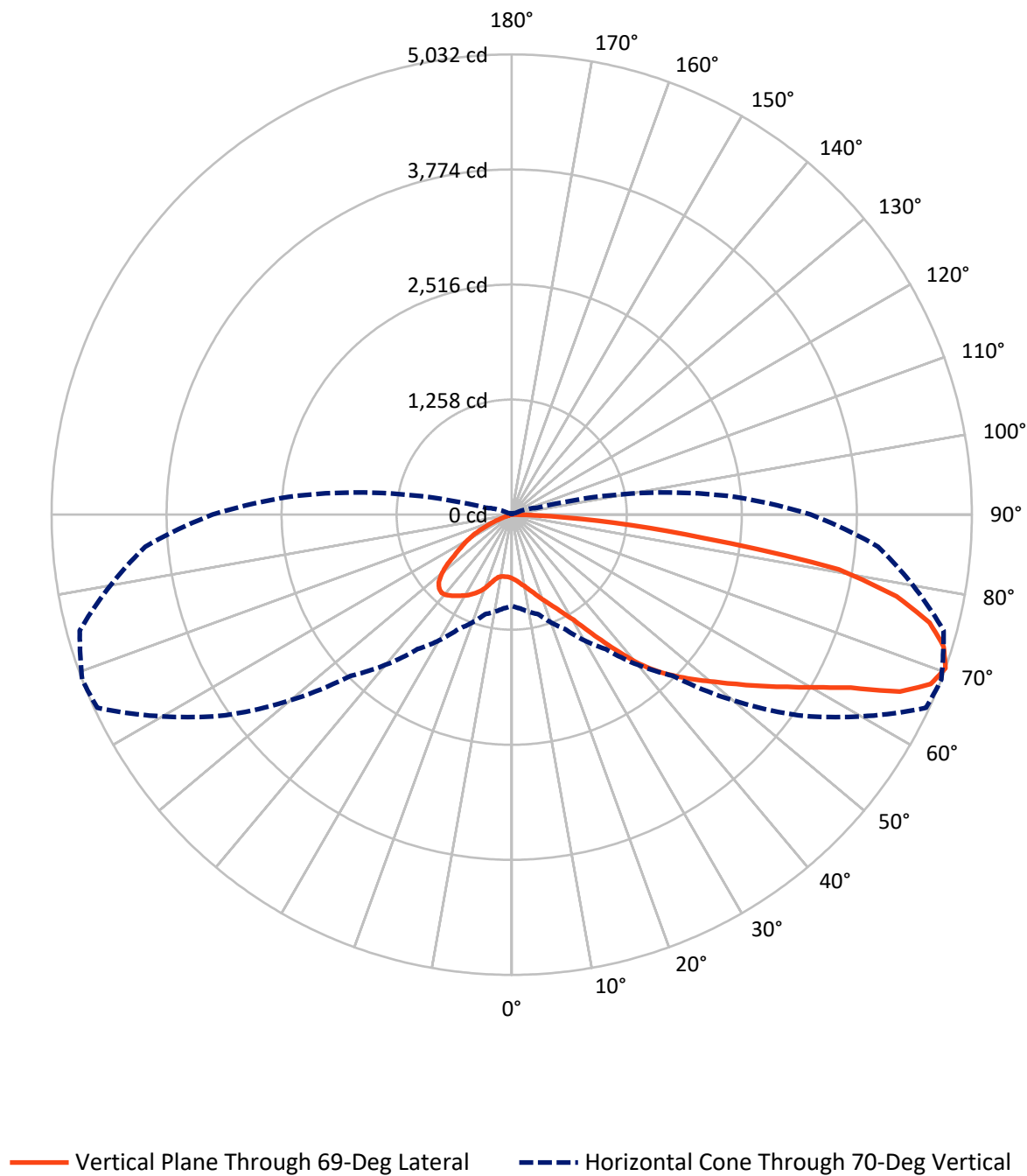


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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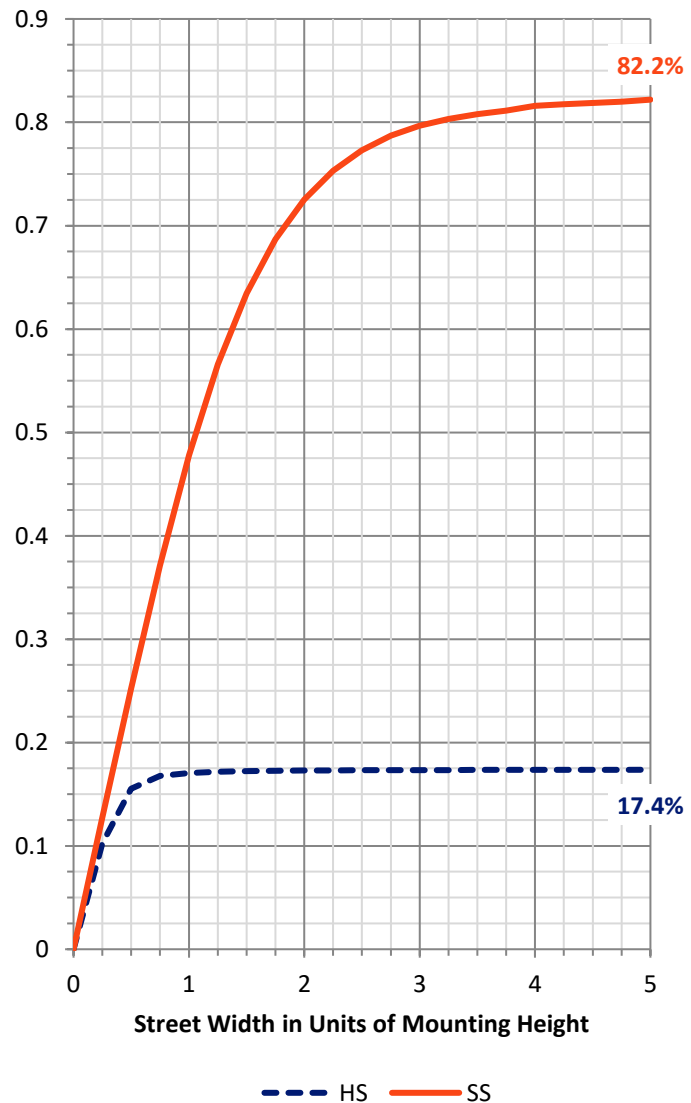
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.6	0.0	1224.6
	% Fixture	17.6	0.0	17.6
Street Side	Lumens	5746.4	0.0	5746.4
	% Fixture	82.4	0.0	82.4
Total	Lumens	6971.0	0.0	6971.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	1.0
10°-20°	215.0	3.1
20°-30°	394.3	5.7
30°-40°	677.3	9.7
40°-50°	1058.4	15.2
50°-60°	1413.5	20.3
60°-70°	1654.2	23.7
70°-80°	1242.7	17.8
80°-90°	247.7	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°	6971.0	100.0
0°-180°	6971.0	100.0

Coefficient of Utilization



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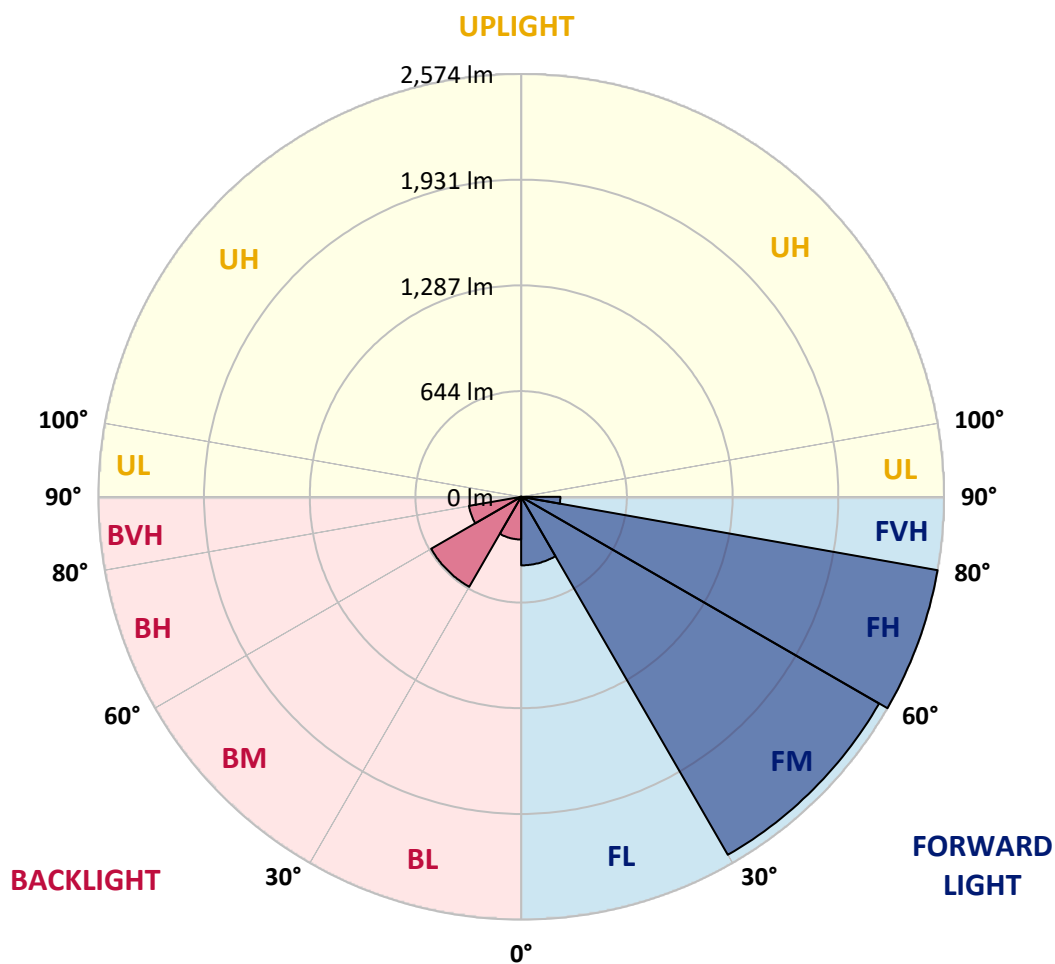
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	417.2	6.0			
FM	(30°-60°)	2516.4	36.1			
FH	(60°-80°)	2574.2	36.9			G2/5000
FVH	(80°-90°)	238.6	3.4			G3/500
BL	(0°-30°)	259.8	3.7	B1/500		
BM	(30°-60°)	632.8	9.1	B1/1000		
BH	(60°-80°)	322.7	4.6	B1/500		G1/500
BVH	(80°-90°)	9.2	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°	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0
2.5°	745.4	750.6	747.3	735.3	733.0	732.3	724.4	717.7	713.5	712.4	699.6
5°	785.9	790.0	788.9	775.4	771.7	763.0	756.3	738.6	736.0	732.3	716.9
7.5°	816.3	817.1	823.9	812.5	808.8	798.3	788.6	772.5	769.4	763.4	741.7
10°	844.4	849.7	853.4	839.2	845.2	832.1	820.5	809.2	796.8	796.4	769.1
12.5°	862.4	865.5	873.7	862.4	871.1	870.7	860.2	847.5	840.3	833.9	802.8
15°	873.7	877.1	888.0	896.6	899.6	904.5	904.1	894.3	881.9	879.7	847.5
17.5°	891.4	894.3	902.6	916.5	927.0	937.9	946.5	947.2	939.7	937.2	907.5
20°	918.0	917.7	922.1	930.0	949.9	973.8	993.0	1000.1	997.2	996.7	975.0
22.5°	946.2	944.6	949.1	952.9	973.5	1013.7	1045.2	1063.2	1064.2	1062.0	1058.3
25°	991.1	983.6	983.3	987.4	1014.7	1061.3	1102.5	1133.4	1136.3	1142.4	1175.7
27.5°	1105.6	1104.4	1071.0	1042.5	1061.0	1113.8	1174.6	1215.1	1229.0	1251.8	1314.9
30°	1270.3	1263.8	1250.0	1183.6	1134.1	1182.4	1258.9	1321.7	1336.3	1417.7	1474.0
32.5°	1418.0	1410.9	1405.3	1343.7	1275.5	1264.7	1341.5	1448.5	1490.4	1616.6	1658.5
35°	1547.1	1543.0	1543.0	1501.7	1432.7	1385.8	1440.6	1583.5	1684.4	1860.8	1872.0
37.5°	1664.1	1667.5	1672.0	1626.6	1591.3	1576.4	1572.3	1750.8	1901.2	2086.6	2088.1
40°	1767.7	1775.2	1784.2	1751.2	1727.2	1740.4	1716.0	1952.7	2139.8	2340.9	2293.6
42.5°	1848.4	1858.5	1903.9	1858.1	1875.7	1902.4	1897.1	2112.8	2344.7	2527.0	2481.2
45°	1908.3	1916.3	1943.6	1956.8	1998.8	2052.1	2063.7	2277.2	2520.2	2696.6	2634.3
47.5°	1955.3	1949.7	1966.1	2033.3	2121.8	2181.5	2227.6	2465.4	2692.0	2853.4	2768.2
50°	1977.0	1976.3	2017.2	2099.7	2229.2	2314.3	2402.8	2711.2	2871.8	3003.0	2906.7
52.5°	1993.1	2006.3	2070.8	2167.3	2336.0	2452.3	2545.3	2949.1	3076.3	3167.7	3058.6
55°	2005.1	2030.7	2094.0	2204.4	2409.6	2571.3	2695.1	3165.1	3305.1	3323.4	3195.5
57.5°	1930.5	1957.5	2057.7	2215.3	2467.0	2674.0	2849.2	3413.1	3553.0	3542.2	3342.2
60°	1804.1	1825.9	1948.1	2184.1	2474.1	2788.5	3069.8	3688.9	3831.0	3829.5	3515.9
62.5°	1670.5	1690.0	1810.8	2081.3	2426.4	2850.7	3327.2	4102.7	4161.9	4103.0	3674.2
65°	1500.6	1520.4	1640.5	1908.8	2309.0	2847.4	3544.4	4545.3	4664.6	4494.3	3852.4
67.5°	1275.5	1307.4	1415.8	1664.1	2082.8	2739.0	3732.8	4879.1	4942.9	4789.2	3963.1
70°	997.9	1029.1	1127.0	1380.5	1794.3	2491.0	3825.4	4998.8	5031.5	4889.3	4021.3
72.5°	697.0	723.0	767.2	986.7	1394.4	2108.4	3819.8	4941.0	4939.6	4795.1	3888.8
75°	248.3	283.2	462.5	596.1	811.8	1550.5	3570.0	4703.2	4719.7	4588.8	3616.1
77.5°	64.5	67.5	142.6	287.8	456.2	749.9	2651.1	4256.5	4301.1	4149.2	3179.4
80°	47.3	49.5	68.7	200.3	261.1	330.2	1454.1	3487.7	3626.1	3547.1	2437.7
82.5°	33.4	36.0	50.2	132.1	172.6	219.5	546.2	1894.1	2114.0	2101.3	1203.1
85°	21.0	22.9	31.5	47.3	65.6	88.2	153.8	972.4	1115.7	1176.1	525.9
87.5°	9.8	11.2	17.6	28.1	40.2	46.5	46.5	208.6	260.0	276.1	112.1
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°	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0	697.0
2.5°	692.9	697.4	687.7	682.0	670.4	664.8	661.8	656.2	654.6	657.2	659.9
5°	709.1	710.1	690.3	673.4	658.7	642.3	634.4	617.9	610.7	613.4	616.3
7.5°	729.6	727.8	697.4	672.3	646.0	623.1	607.0	580.7	573.2	571.4	575.5
10°	749.1	739.8	706.0	671.9	637.0	605.5	580.7	552.9	534.9	532.7	533.4
12.5°	784.4	766.4	727.4	679.4	637.4	602.9	566.8	525.9	504.9	498.2	498.2
15°	833.2	803.2	766.4	711.3	661.4	612.2	560.9	507.6	470.8	454.7	454.3
17.5°	885.8	860.2	821.2	755.5	689.9	620.1	547.8	478.7	430.3	407.4	405.2
20°	958.1	943.5	898.9	808.8	717.2	621.2	531.2	443.0	377.7	346.6	339.9
22.5°	1060.5	1040.6	966.0	850.5	726.7	611.9	499.7	385.7	305.4	264.4	260.3
25°	1166.3	1136.0	1031.3	879.7	733.8	593.1	454.3	306.1	219.5	181.2	176.4
27.5°	1283.4	1235.7	1087.1	907.5	725.2	560.9	374.0	213.0	142.6	118.2	113.3
30°	1419.2	1349.8	1147.2	926.6	715.8	495.6	276.8	138.1	92.3	74.3	73.1
32.5°	1587.6	1491.6	1206.5	936.0	682.0	410.4	178.9	88.2	57.0	48.0	46.5
35°	1788.7	1654.8	1286.0	934.1	626.8	297.1	112.1	51.7	37.8	36.4	36.4
37.5°	1979.3	1832.6	1381.3	926.2	539.5	189.4	64.1	33.8	33.0	37.8	40.2
40°	2172.2	2006.3	1484.1	904.8	428.8	114.0	35.6	30.0	31.5	37.1	39.4
42.5°	2339.8	2143.2	1583.5	858.3	302.0	61.2	31.5	28.1	29.7	32.2	32.6
45°	2475.2	2270.4	1637.1	793.0	178.9	38.7	30.0	27.0	25.9	27.0	27.3
47.5°	2620.8	2378.8	1680.7	696.7	96.8	37.8	29.7	25.1	22.9	22.2	22.9
50°	2729.2	2493.9	1696.1	554.1	51.0	36.4	28.1	22.9	20.7	22.2	22.5
52.5°	2833.9	2582.6	1689.0	386.8	43.1	33.4	25.9	21.4	19.5	24.1	25.1
55°	2973.4	2691.7	1637.5	188.3	42.0	31.5	23.2	18.8	18.8	18.8	18.8
57.5°	3100.9	2766.8	1534.7	86.0	40.5	28.9	21.0	16.9	14.2	15.8	16.1
60°	3233.0	2882.6	1359.5	54.8	38.3	25.1	18.0	14.6	12.4	12.4	12.7
62.5°	3363.9	2907.4	1116.1	48.4	36.4	22.9	15.8	12.7	10.5	10.5	11.2
65°	3472.0	2866.2	822.0	43.1	34.6	20.7	14.2	11.7	9.0	8.6	9.0
67.5°	3431.1	2664.7	533.9	38.7	31.5	18.8	12.4	10.5	8.3	6.8	7.1
70°	3271.3	2361.1	288.5	37.1	28.5	17.3	11.2	9.3	7.5	5.6	5.6
72.5°	3013.9	1989.8	108.4	34.6	26.3	15.1	10.2	9.3	7.1	4.5	4.1
75°	2592.3	1502.5	51.4	31.2	22.2	13.5	10.2	9.8	7.1	3.0	2.6
77.5°	2079.4	838.1	39.4	26.3	18.0	11.2	10.2	9.3	4.1	1.5	1.2
80°	1117.6	314.8	29.7	19.2	13.1	8.6	9.3	6.8	1.9	0.4	0.0
82.5°	443.5	77.7	20.7	8.6	5.6	3.7	5.3	2.6	0.4	0.0	0.0
85°	111.8	30.4	12.7	4.5	3.0	1.9	0.7	0.0	0.0	0.0	0.0
87.5°	12.7	8.6	3.7	2.2	1.2	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)