

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: P286954

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
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
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED AND TYPE III OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7400.2 lumens
Efficiency: N/A
Efficacy: 142.3 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

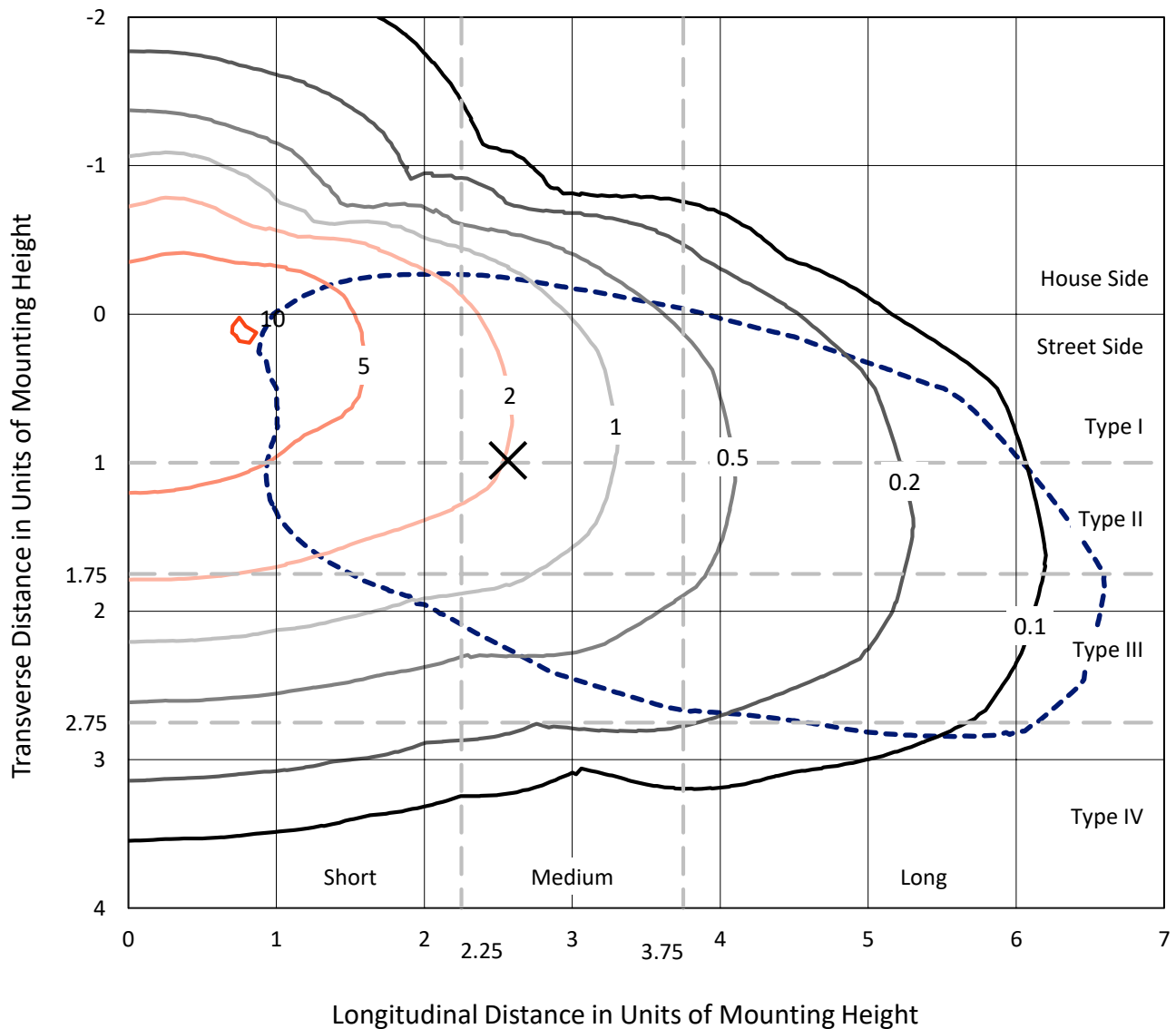


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

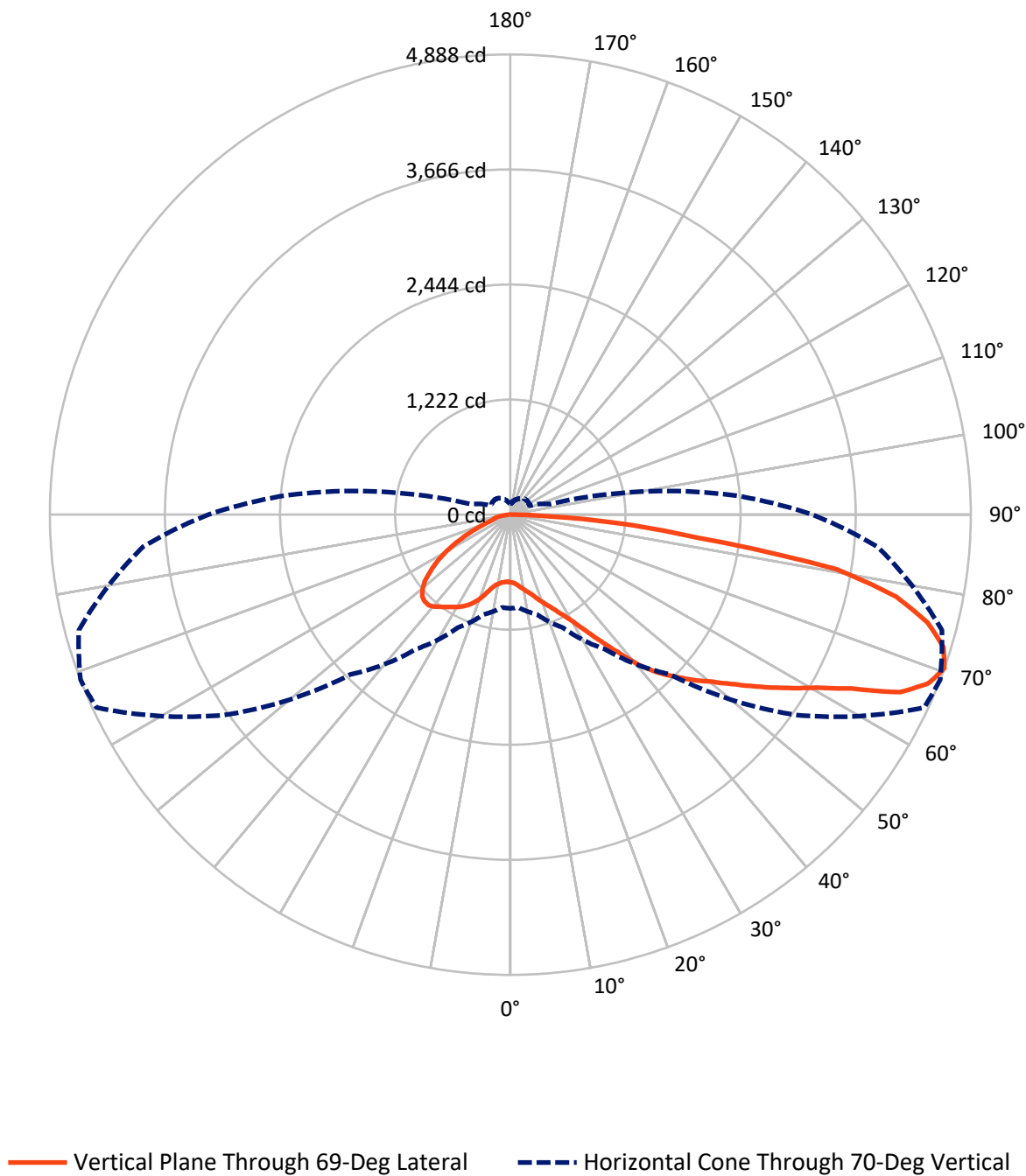


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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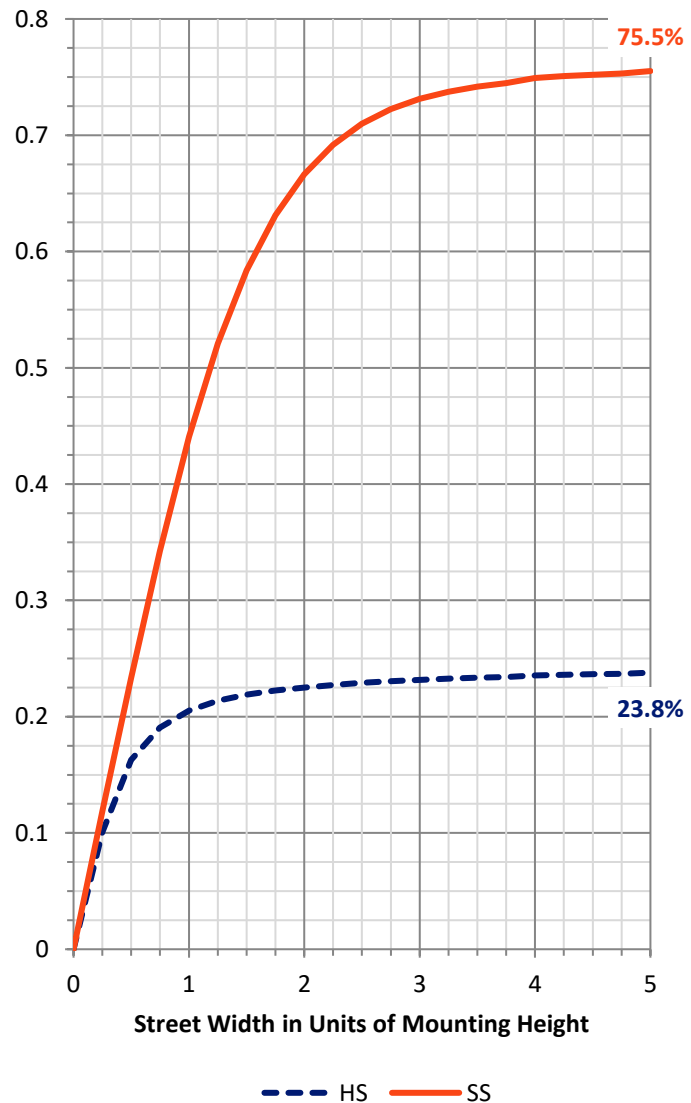
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1794.9	0.0	1794.9
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	5605.3	0.0	5605.3
	% Fixture	75.7	0.0	75.7
Total	Lumens	7400.2	0.0	7400.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.0
10°-20°	234.0	3.2
20°-30°	440.1	5.9
30°-40°	753.5	10.2
40°-50°	1150.8	15.6
50°-60°	1488.2	20.1
60°-70°	1692.8	22.9
70°-80°	1289.9	17.4
80°-90°	279.8	3.8
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°	7400.2	100.0
0°-180°	7400.2	100.0

Coefficient of Utilization



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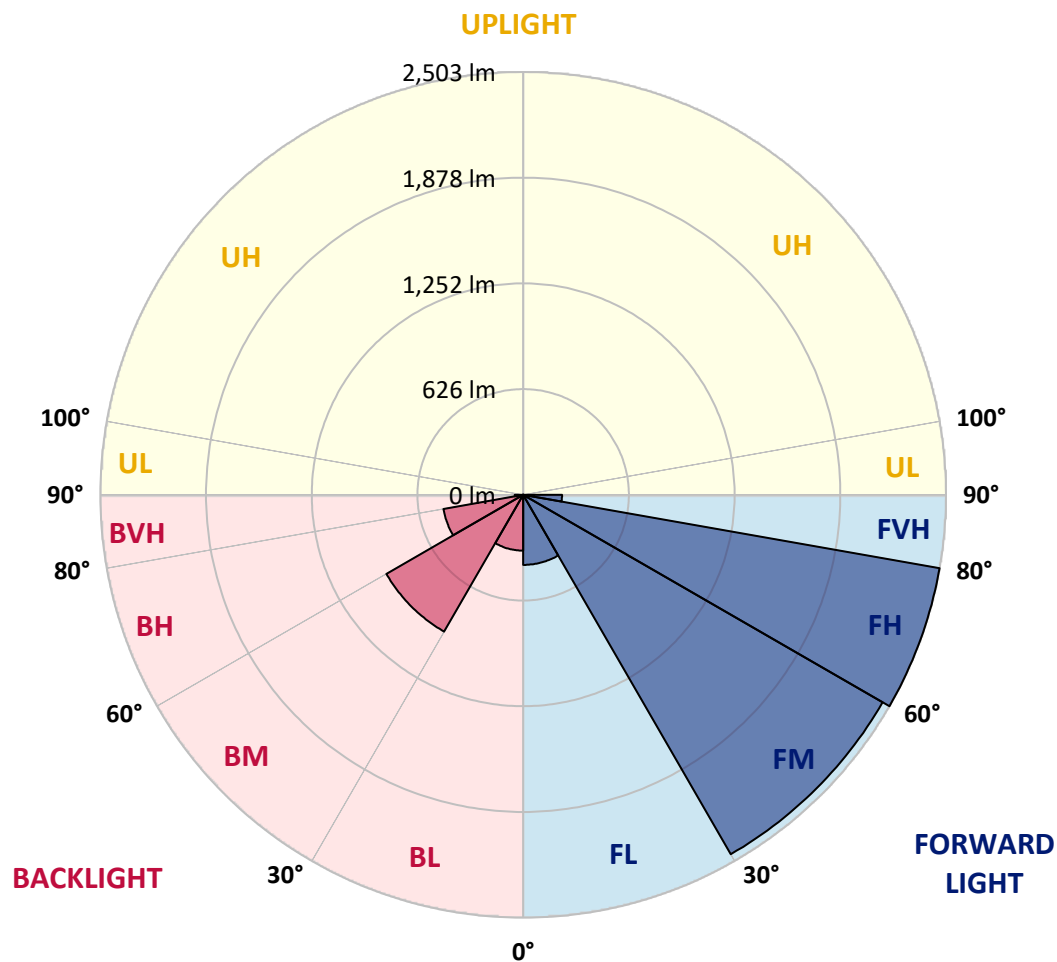
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	414.9	5.6			
FM	(30°-60°)	2457.1	33.2			
FH	(60°-80°)	2503.4	33.8			G2/5000
FVH	(80°-90°)	230.0	3.1			G3/500
BL	(0°-30°)	330.5	4.5	B1/500		
BM	(30°-60°)	935.4	12.6	B1/1000		
BH	(60°-80°)	479.3	6.5	B1/500		G1/500
BVH	(80°-90°)	49.8	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8
2.5°	762.6	757.5	757.9	744.9	745.2	740.1	737.3	732.9	725.7	728.3	716.3
5°	799.5	792.6	794.8	779.2	778.5	771.6	764.4	751.4	748.1	746.7	736.2
7.5°	823.8	822.3	821.2	813.3	812.5	804.6	797.7	783.6	778.2	771.6	758.3
10°	847.3	848.3	849.4	835.6	844.3	835.0	827.4	815.8	808.5	806.4	785.7
12.5°	859.2	860.2	866.0	862.1	867.1	872.2	864.6	852.7	845.5	845.5	821.5
15°	869.6	872.6	882.4	885.5	894.7	899.0	904.7	897.2	886.3	884.5	864.6
17.5°	887.3	886.0	894.7	909.1	919.6	927.9	944.2	942.0	941.3	936.6	922.1
20°	911.3	908.8	917.4	923.6	939.8	964.8	986.9	998.1	997.4	994.8	982.2
22.5°	937.3	934.8	935.1	939.8	962.0	999.6	1033.5	1054.9	1055.2	1056.7	1068.3
25°	981.8	971.3	968.1	972.0	998.4	1044.4	1088.2	1123.3	1130.2	1138.4	1175.3
27.5°	1089.6	1094.7	1050.6	1022.0	1044.0	1100.5	1151.8	1203.6	1214.4	1239.3	1313.2
30°	1257.1	1248.8	1226.4	1164.2	1113.8	1164.2	1236.5	1300.5	1321.2	1384.9	1451.4
32.5°	1383.7	1384.1	1373.2	1320.4	1251.0	1238.7	1320.4	1426.4	1467.3	1585.6	1645.3
35°	1512.2	1506.8	1516.2	1466.2	1404.7	1360.9	1412.0	1551.9	1645.6	1820.7	1852.9
37.5°	1632.7	1634.5	1636.6	1588.5	1559.2	1544.0	1538.2	1714.4	1849.0	2039.2	2059.5
40°	1722.0	1731.8	1738.7	1712.2	1701.7	1702.4	1677.5	1907.2	2093.5	2280.9	2257.7
42.5°	1793.2	1804.5	1854.4	1818.9	1834.2	1864.5	1860.1	2059.8	2291.7	2466.1	2439.4
45°	1852.9	1853.3	1888.0	1902.1	1956.4	2013.9	2018.6	2222.6	2456.0	2633.2	2581.9
47.5°	1894.1	1886.9	1914.1	1971.6	2071.5	2139.1	2183.9	2406.8	2625.7	2783.0	2727.7
50°	1906.9	1916.9	1962.2	2035.2	2168.3	2275.1	2369.5	2640.1	2790.9	2929.6	2845.9
52.5°	1930.4	1934.7	1998.0	2093.5	2266.8	2408.9	2503.1	2881.0	2994.3	3079.6	2990.7
55°	1950.2	1962.5	2022.9	2124.3	2329.0	2517.5	2644.5	3100.6	3228.3	3245.0	3142.3
57.5°	1879.0	1891.0	1998.3	2132.9	2380.7	2605.0	2799.6	3314.1	3472.9	3444.7	3274.7
60°	1747.4	1761.0	1889.8	2109.1	2389.0	2702.7	3003.0	3597.7	3731.2	3697.1	3423.7
62.5°	1627.9	1628.6	1767.9	2006.7	2349.6	2769.6	3250.1	3964.6	4065.1	4005.4	3589.0
65°	1470.5	1469.1	1595.0	1842.1	2238.2	2749.1	3442.9	4412.4	4545.5	4376.2	3747.1
67.5°	1257.9	1253.5	1380.8	1609.9	2031.3	2643.0	3606.4	4717.0	4785.8	4646.8	3873.4
70°	994.5	989.7	1097.5	1324.8	1743.0	2401.0	3709.4	4847.2	4887.7	4742.6	3913.2
72.5°	697.5	694.6	759.0	938.8	1333.5	2020.1	3687.4	4782.1	4807.8	4642.5	3796.3
75°	412.7	411.7	471.8	574.5	788.2	1505.3	3438.2	4543.4	4574.1	4423.9	3509.4
77.5°	159.2	147.6	230.4	279.6	448.2	705.0	2630.0	4114.6	4186.0	4044.8	3091.9
80°	52.0	53.9	161.7	197.6	260.1	315.9	1407.2	3339.4	3508.4	3417.9	2342.1
82.5°	37.9	39.1	100.6	133.4	172.2	214.2	532.5	1815.3	1993.2	1962.5	1149.7
85°	25.0	25.0	34.3	47.4	64.4	85.7	149.4	921.4	1129.4	1095.7	498.2
87.5°	13.4	13.8	19.9	28.6	38.7	45.3	47.8	188.5	257.2	224.0	99.5
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°	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8
2.5°	712.7	719.9	714.5	710.1	702.9	698.9	700.0	696.4	693.2	701.4	697.5
5°	732.6	737.3	723.2	714.8	703.2	693.5	692.8	684.8	680.9	684.1	685.5
7.5°	749.6	753.2	734.4	719.6	708.0	696.4	688.4	674.7	669.2	675.1	677.2
10°	778.9	774.6	751.8	735.1	718.1	704.0	690.6	677.6	667.8	668.2	668.9
12.5°	812.2	800.2	780.0	756.5	738.0	723.9	705.5	683.3	667.8	667.4	670.0
15°	858.4	844.0	826.3	798.4	777.8	757.5	727.8	689.5	664.9	656.2	652.6
17.5°	916.4	897.2	891.1	858.8	824.8	786.1	738.8	692.0	648.7	632.3	633.1
20°	985.8	979.7	971.7	918.8	870.1	804.9	743.7	680.5	622.3	593.6	590.8
22.5°	1083.4	1080.6	1042.9	970.6	895.7	817.2	739.4	655.9	585.7	550.2	543.0
25°	1196.3	1172.8	1103.0	1014.3	916.0	820.5	722.1	620.0	542.7	498.5	496.4
27.5°	1308.4	1266.9	1164.2	1041.9	917.8	807.9	685.5	571.2	500.0	458.7	453.3
30°	1439.1	1383.0	1226.0	1061.8	913.8	776.0	634.6	530.4	471.8	430.8	424.7
32.5°	1604.1	1508.9	1287.1	1070.8	887.0	733.2	580.3	512.6	451.1	404.0	396.8
35°	1801.5	1675.0	1370.0	1070.5	851.9	667.1	552.7	502.5	436.7	378.8	367.9
37.5°	1990.8	1860.9	1463.7	1066.2	795.9	598.0	533.6	486.2	426.9	373.7	367.6
40°	2165.2	2013.6	1577.2	1058.1	730.1	556.0	512.2	460.8	415.3	378.4	371.5
42.5°	2327.5	2157.5	1678.9	1038.3	657.7	526.3	483.3	443.9	403.0	356.3	345.8
45°	2474.4	2279.1	1749.2	991.2	578.5	493.5	450.8	421.1	380.6	332.8	324.5
47.5°	2597.1	2389.8	1798.7	927.9	514.4	458.7	413.1	388.9	353.1	309.3	298.5
50°	2704.5	2499.4	1832.4	820.2	458.3	423.2	375.8	349.4	317.2	286.2	278.5
52.5°	2809.5	2610.4	1871.4	676.1	405.5	382.0	333.2	303.9	279.6	265.2	260.1
55°	2948.0	2751.9	1871.4	495.6	357.1	349.1	296.2	257.6	240.6	230.4	233.0
57.5°	3073.2	2838.7	1792.5	369.0	326.3	315.1	256.2	218.1	200.0	202.5	210.2
60°	3211.7	2921.6	1572.6	305.4	300.3	268.5	218.6	191.7	182.3	173.3	172.2
62.5°	3306.9	2933.5	1290.0	269.5	274.2	237.0	204.3	176.6	166.1	153.0	150.1
65°	3413.2	2869.5	970.6	252.9	251.1	225.0	201.5	174.4	159.9	138.5	134.9
67.5°	3374.1	2680.3	689.1	234.0	234.8	226.5	206.2	174.0	156.7	133.4	131.0
70°	3204.5	2373.9	431.9	225.3	231.5	229.4	214.5	183.0	155.6	121.1	117.5
72.5°	2965.4	1979.6	241.7	209.1	229.7	231.2	224.7	191.4	142.6	99.1	97.0
75°	2573.2	1510.7	172.9	193.5	221.0	230.8	220.4	184.1	130.6	93.4	90.4
77.5°	2011.8	885.5	152.3	178.4	204.8	206.2	218.6	191.4	135.7	94.8	91.6
80°	1087.8	366.5	128.0	157.0	168.2	195.0	212.0	178.7	125.5	76.3	71.6
82.5°	441.3	103.4	74.5	99.8	136.4	161.0	188.9	158.1	115.0	63.7	60.1
85°	112.9	35.4	34.8	51.0	81.7	120.5	153.4	135.3	93.7	28.2	1.8
87.5°	14.1	11.6	13.8	28.2	53.2	86.5	112.5	97.7	66.6	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)