

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: P287038

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-9)
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-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD, GRAY
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6822.6 lumens
Efficiency: N/A
Efficacy: 131.2 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

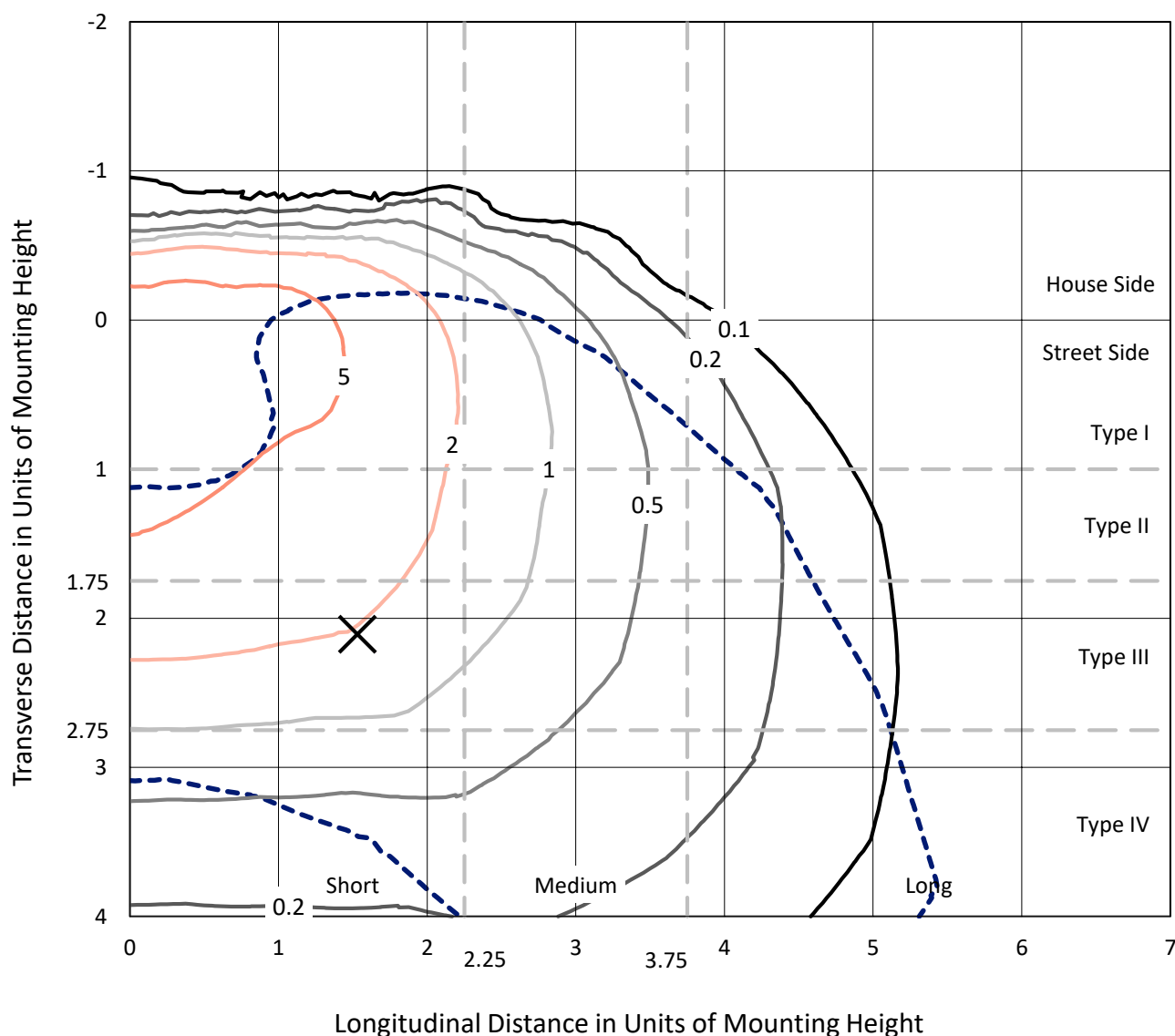


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

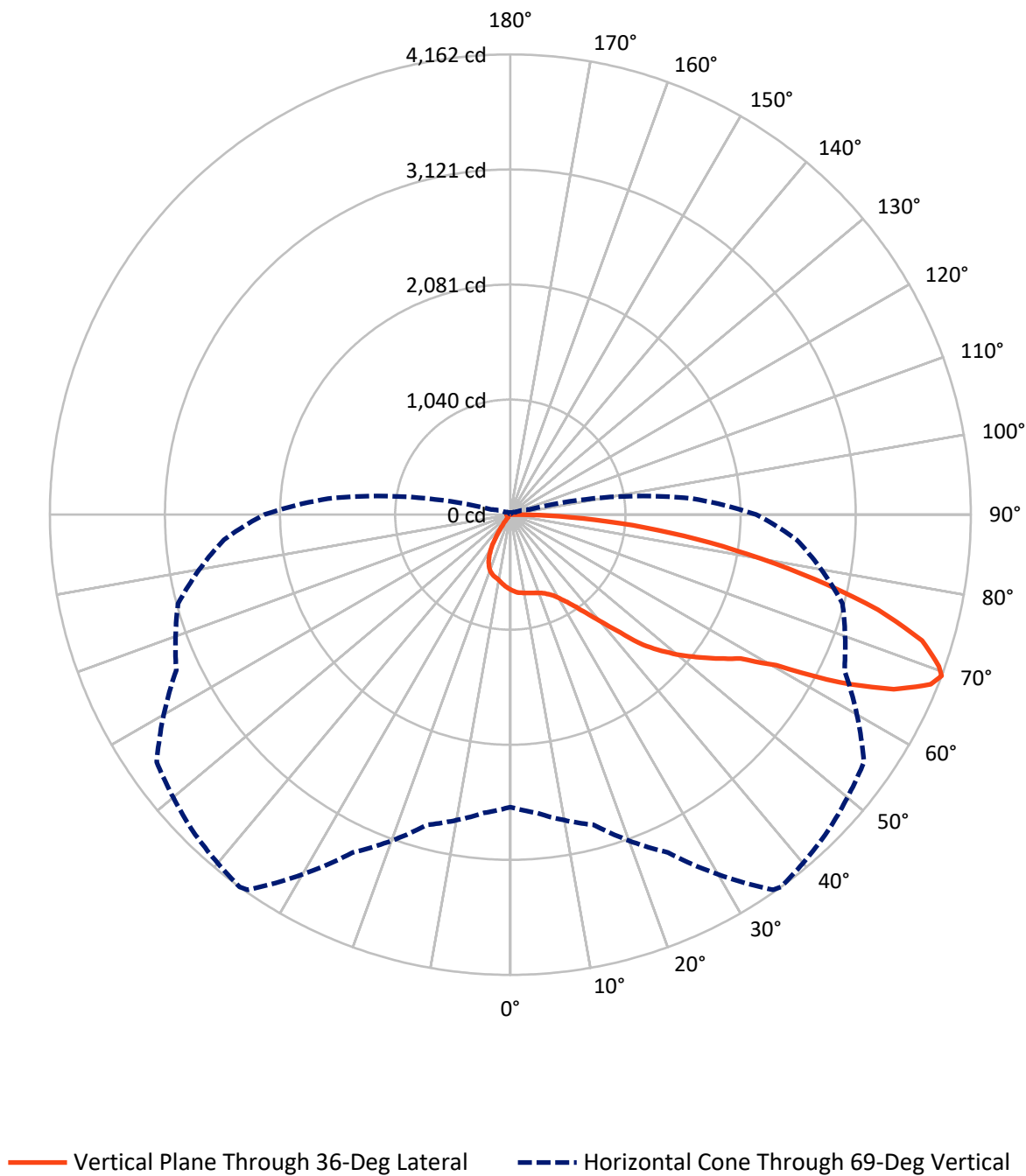


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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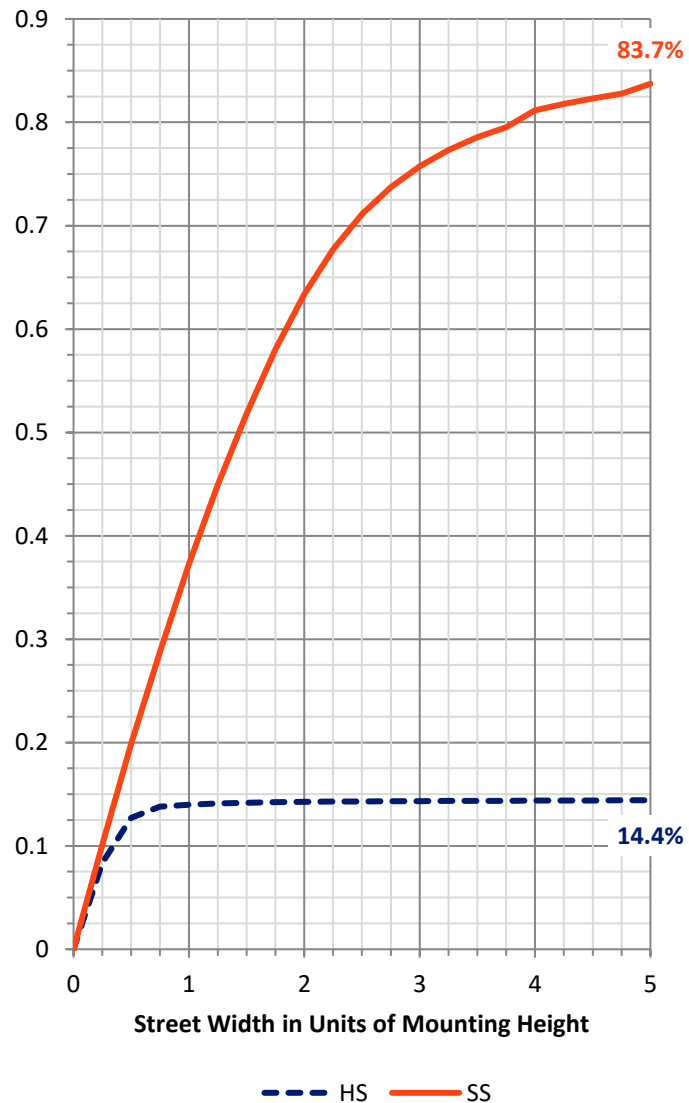
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	994.8	0.0	994.8
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	5827.8	0.0	5827.8
	% Fixture	85.4	0.0	85.4
Total	Lumens	6822.6	0.0	6822.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	0.9
10°-20°	192.6	2.8
20°-30°	322.8	4.7
30°-40°	522.0	7.7
40°-50°	920.7	13.5
50°-60°	1342.1	19.7
60°-70°	1772.6	26.0
70°-80°	1363.0	20.0
80°-90°	322.2	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°	6822.6	100.0
0°-180°	6822.6	100.0

Coefficient of Utilization



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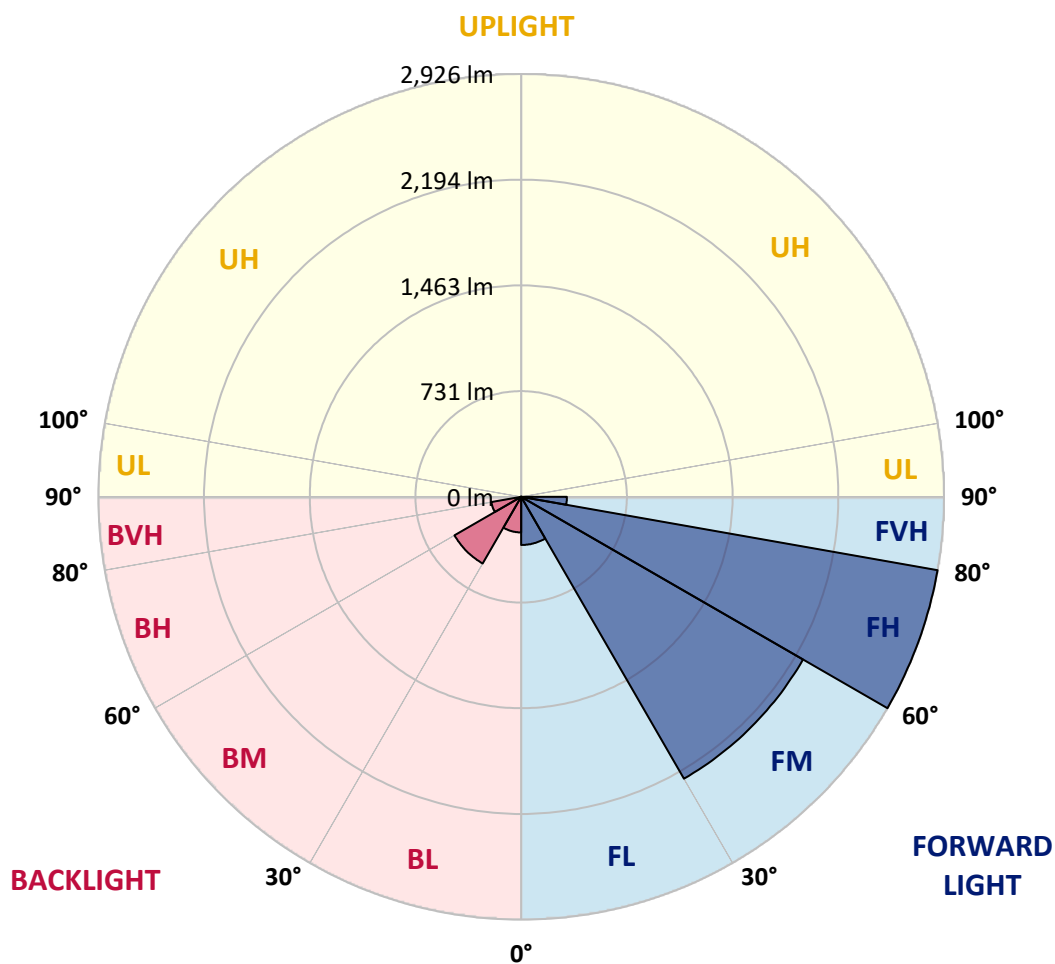
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.5	4.9			
FM	(30°-60°)	2252.2	33.0			
FH	(60°-80°)	2925.9	42.9			G2/5000
FVH	(80°-90°)	316.2	4.6			G3/500
BL	(0°-30°)	246.4	3.6	B1/500		
BM	(30°-60°)	532.7	7.8	B1/1000		
BH	(60°-80°)	209.7	3.1	B1/500		G1/500
BVH	(80°-90°)	6.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	704.8	705.9	702.6	694.9	693.1	693.8	694.6	690.1	685.3	683.1	677.9
5°	717.3	717.8	716.3	709.3	707.4	707.4	706.6	701.5	696.8	693.8	686.4
7.5°	720.6	720.3	721.0	713.6	715.5	712.3	714.4	709.3	704.8	700.8	694.1
10°	725.8	726.6	725.8	720.0	720.6	721.4	721.0	717.3	717.0	716.6	705.2
12.5°	723.3	722.9	725.1	721.4	726.6	727.3	735.5	737.3	739.1	739.1	727.3
15°	721.4	717.3	726.6	723.6	734.3	735.5	747.5	758.7	760.8	761.5	757.2
17.5°	724.0	723.3	736.1	730.6	745.7	743.2	755.0	774.5	784.7	789.9	792.5
20°	735.0	738.0	748.7	743.2	755.7	755.7	768.5	789.6	809.1	822.0	824.6
22.5°	752.0	753.1	765.7	760.1	770.0	771.2	782.2	806.9	833.4	855.1	866.3
25°	770.0	769.3	779.7	780.0	793.2	796.6	806.2	826.1	861.1	889.5	919.7
27.5°	796.6	795.1	807.2	803.6	828.3	827.9	838.9	862.5	902.0	939.2	985.2
30°	839.7	836.0	843.4	849.3	877.3	878.3	888.3	911.5	951.4	1005.5	1061.5
32.5°	909.3	912.3	911.5	904.2	939.5	941.7	966.1	1003.6	1044.2	1109.4	1175.0
35°	1056.0	1055.6	1035.7	1016.9	1020.3	1026.8	1058.5	1126.4	1209.2	1363.2	1421.1
37.5°	1238.4	1247.2	1212.2	1158.0	1140.3	1139.2	1166.8	1267.4	1403.0	1700.4	1723.6
40°	1479.7	1463.1	1420.7	1337.5	1292.9	1280.4	1289.6	1407.9	1616.0	1987.7	1965.7
42.5°	1643.6	1651.0	1604.6	1533.5	1467.1	1457.6	1435.8	1562.2	1846.7	2216.9	2155.0
45°	1840.4	1855.1	1803.9	1753.4	1686.4	1680.5	1647.7	1721.4	2068.5	2386.8	2303.2
47.5°	2011.7	2022.1	1940.3	1893.1	1844.8	1840.0	1809.0	1882.1	2261.2	2526.4	2424.4
50°	2196.3	2204.8	2115.6	2048.6	2002.9	1998.4	1981.2	2062.1	2456.4	2658.3	2524.6
52.5°	2431.7	2400.0	2291.7	2200.4	2149.5	2143.6	2152.1	2242.0	2641.4	2753.4	2604.9
55°	2707.3	2621.1	2482.6	2368.3	2292.5	2296.5	2306.4	2424.7	2798.7	2845.5	2665.3
57.5°	2873.5	2878.3	2774.4	2606.0	2461.9	2453.9	2446.5	2590.5	2926.6	2947.6	2723.9
60°	3095.6	3110.8	3097.1	2993.3	2799.1	2764.4	2644.3	2775.5	3062.2	3030.0	2758.9
62.5°	3264.4	3289.1	3368.7	3304.6	3327.0	3341.8	3011.3	2997.0	3186.7	3086.4	2766.2
65°	3225.7	3249.3	3412.6	3538.6	3775.8	3807.2	3723.9	3278.8	3284.0	3111.5	2742.7
67.5°	2932.8	2957.1	3156.1	3495.4	4061.7	4097.1	4008.3	3768.1	3332.2	3112.6	2682.6
69°	2644.3	2707.0	2903.7	3371.2	4141.7	4161.6	4053.6	3901.5	3331.5	3108.2	2597.9
70°	2471.9	2522.0	2745.2	3227.9	4100.0	4109.7	4026.3	3955.2	3319.0	3069.5	2518.3
72.5°	1987.4	1976.3	2214.0	2736.4	3898.5	3892.6	3901.8	3883.0	3296.1	2928.1	2182.7
75°	1440.6	1444.6	1664.7	2153.2	3389.7	3432.8	3617.0	3728.6	3073.9	2553.7	1606.1
77.5°	1023.9	1032.3	1221.4	1648.5	2793.9	2814.1	3152.0	3270.6	2586.5	2009.1	875.5
80°	685.3	692.6	869.5	1215.5	2134.0	2180.1	2548.5	2575.0	1957.5	1243.5	158.5
82.5°	428.5	432.2	569.3	865.8	1557.1	1579.6	1750.1	1698.9	1017.6	277.1	47.2
85°	245.8	250.1	348.9	548.3	983.4	991.9	1105.7	840.4	243.9	37.2	25.8
87.5°	70.4	75.6	144.5	236.6	443.6	440.3	412.6	275.3	39.4	17.0	12.2
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°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	673.9	679.4	672.8	667.9	662.4	663.2	663.2	656.9	656.9	665.8	666.9
5°	682.4	686.4	674.9	665.8	654.0	651.4	644.0	636.7	634.1	641.9	642.9
7.5°	690.1	687.9	674.2	659.5	644.0	631.9	622.7	610.5	605.0	613.8	615.3
10°	697.8	691.2	677.2	659.5	634.9	617.2	603.5	581.8	575.8	580.3	582.5
12.5°	719.2	710.3	694.1	663.6	635.5	611.7	585.1	557.8	543.8	549.0	551.9
15°	750.9	737.6	720.6	683.1	644.4	609.8	573.6	530.6	505.1	502.2	502.9
17.5°	788.5	774.5	752.0	706.3	656.9	609.8	556.3	502.2	460.2	448.0	449.5
20°	826.4	810.9	792.9	733.2	668.7	600.5	534.9	464.2	404.1	376.6	376.6
22.5°	869.9	858.8	828.6	754.5	672.8	586.2	502.2	413.0	339.4	298.8	297.3
25°	926.2	916.3	860.6	771.5	669.4	568.1	459.8	352.6	261.3	219.9	217.7
27.5°	989.3	969.7	892.0	784.0	658.1	539.1	403.4	276.0	182.0	143.0	141.1
30°	1059.3	1030.9	916.0	781.9	637.0	490.0	337.2	185.4	106.1	80.3	80.3
32.5°	1159.8	1108.2	944.4	776.7	608.0	431.5	247.6	109.8	53.1	40.9	40.9
35°	1356.2	1259.4	987.4	762.7	560.8	354.1	155.8	49.4	29.1	28.7	28.7
37.5°	1619.6	1454.3	1056.7	742.0	495.9	257.6	77.7	27.2	27.2	28.0	27.7
40°	1850.7	1664.3	1149.1	710.8	424.8	162.5	35.4	26.2	27.7	28.7	28.7
42.5°	2022.4	1826.4	1238.7	665.1	339.4	82.9	29.5	25.4	26.5	26.9	27.2
45°	2167.9	1962.7	1310.1	607.2	248.3	39.4	29.5	25.0	25.0	25.0	25.4
47.5°	2279.5	2062.6	1359.2	539.1	154.4	33.2	30.9	24.7	23.2	22.5	22.9
50°	2366.9	2132.2	1376.5	463.2	76.3	33.5	30.2	23.2	20.2	20.7	21.0
52.5°	2428.4	2188.6	1358.0	368.4	39.4	35.4	30.6	22.5	18.0	19.2	19.2
55°	2485.6	2202.6	1311.3	262.0	35.4	35.7	30.6	20.7	15.5	17.7	18.8
57.5°	2499.9	2202.2	1238.0	164.7	37.9	33.9	29.1	20.2	14.7	17.7	18.4
60°	2521.3	2184.1	1137.4	100.6	39.7	31.3	27.2	19.2	14.0	14.7	15.5
62.5°	2498.1	2153.2	986.7	66.7	38.4	29.1	26.5	18.4	12.2	11.0	10.7
65°	2452.7	2049.6	744.6	53.8	35.7	28.4	24.0	16.2	10.0	7.0	6.7
67.5°	2347.0	1852.9	393.9	50.9	33.5	28.0	21.4	15.2	8.1	4.0	3.7
69°	2222.5	1653.5	178.7	51.6	39.0	28.0	21.7	13.2	7.4	3.0	2.5
70°	2092.3	1471.6	81.4	50.1	42.4	29.5	21.4	12.2	6.7	2.5	2.2
72.5°	1613.8	914.8	55.6	44.6	47.2	28.7	21.4	11.4	6.3	1.5	1.1
75°	957.9	226.9	50.1	35.4	44.9	35.0	25.8	12.5	5.5	0.7	0.0
77.5°	248.3	63.4	42.4	26.9	39.7	39.4	29.9	12.5	5.5	0.0	0.0
80°	64.1	48.6	36.5	17.3	31.3	38.4	24.3	14.0	4.5	0.0	0.0
82.5°	38.4	35.4	39.7	10.7	25.0	25.8	14.4	10.0	4.8	0.0	0.0
85°	22.2	30.6	28.0	8.1	4.8	2.5	5.9	11.0	4.8	0.0	0.0
87.5°	12.9	16.5	6.3	1.1	1.1	0.7	0.3	1.5	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)