

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: P286974

Luminaire Tested: **USSL-C01-D-U-T4-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286974
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-BZ
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE IV OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7088 lumens
Efficiency: N/A
Efficacy: 136.3 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

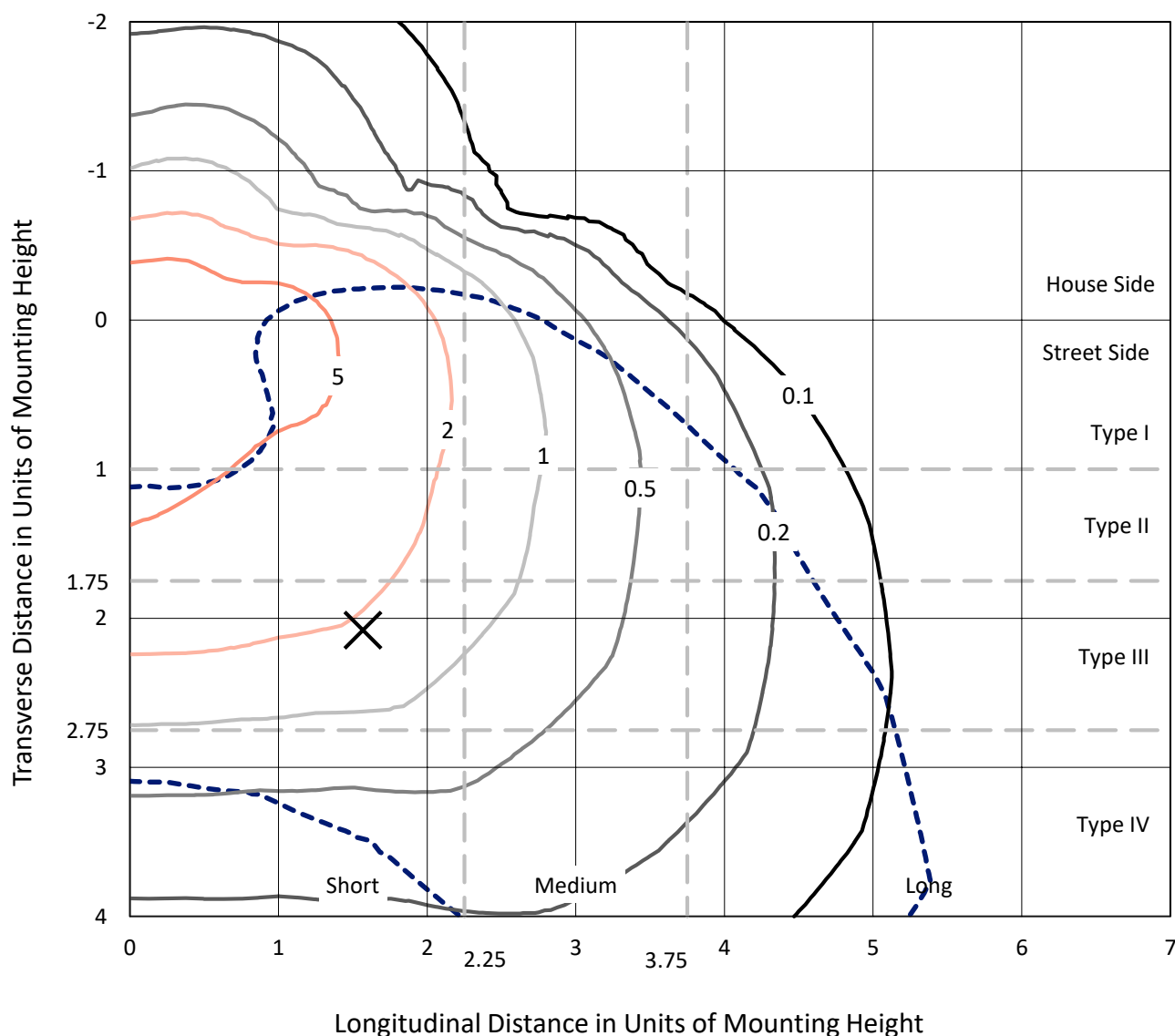


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

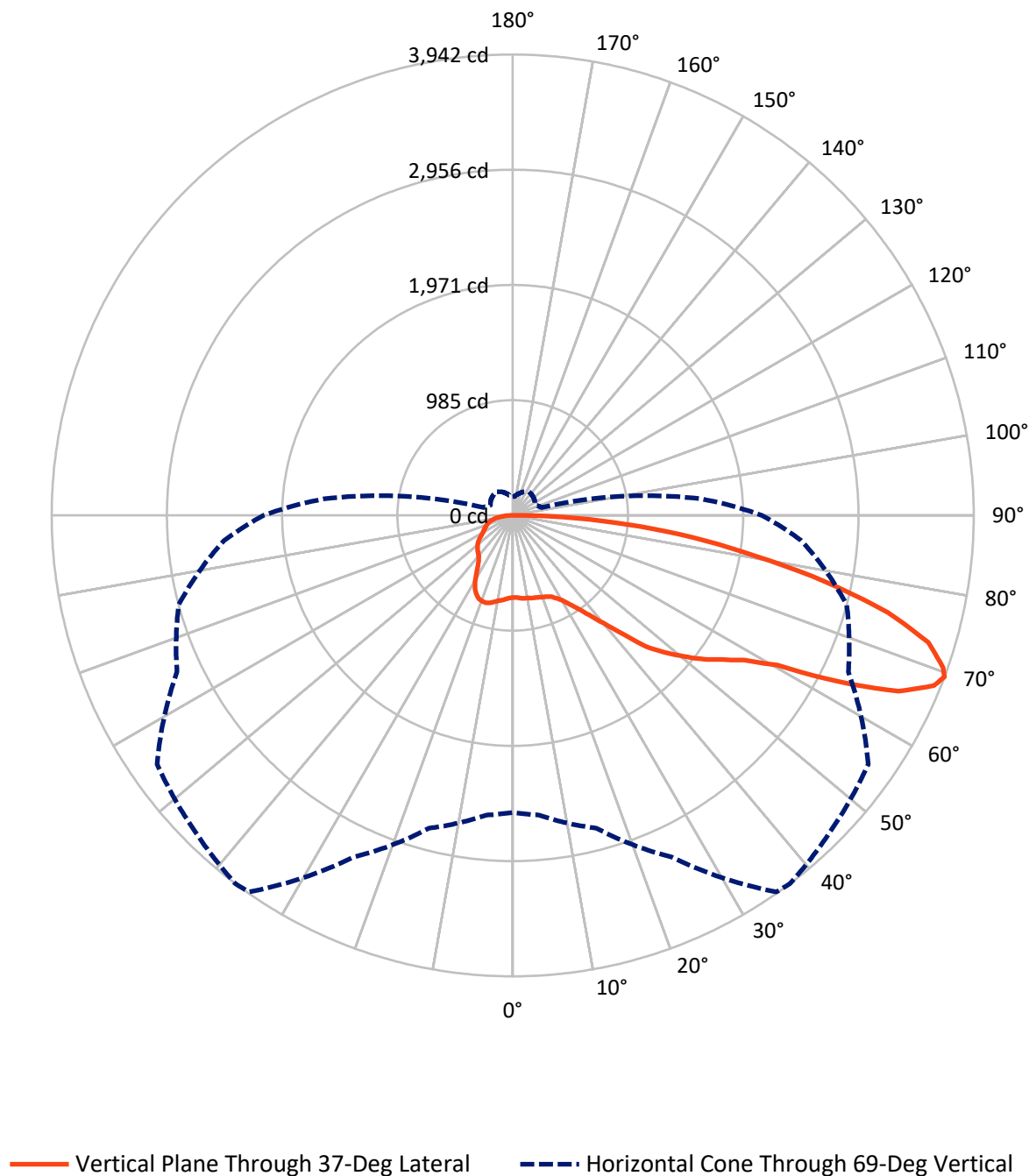


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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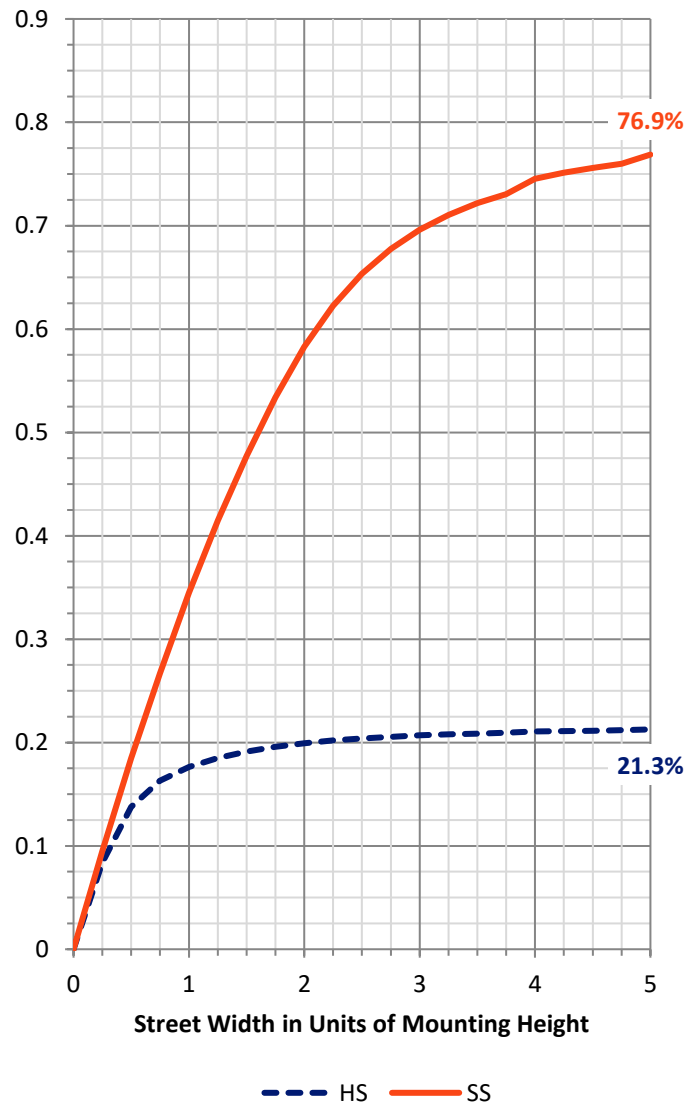
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1528.4	0.0	1528.4
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5559.6	0.0	5559.6
	% Fixture	78.4	0.0	78.4
Total	Lumens	7088.0	0.0	7088.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.0
10°-20°	214.2	3.0
20°-30°	365.9	5.2
30°-40°	580.1	8.2
40°-50°	985.7	13.9
50°-60°	1397.5	19.7
60°-70°	1778.5	25.1
70°-80°	1364.9	19.3
80°-90°	332.7	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°	7088.0	100.0
0°-180°	7088.0	100.0

Coefficient of Utilization



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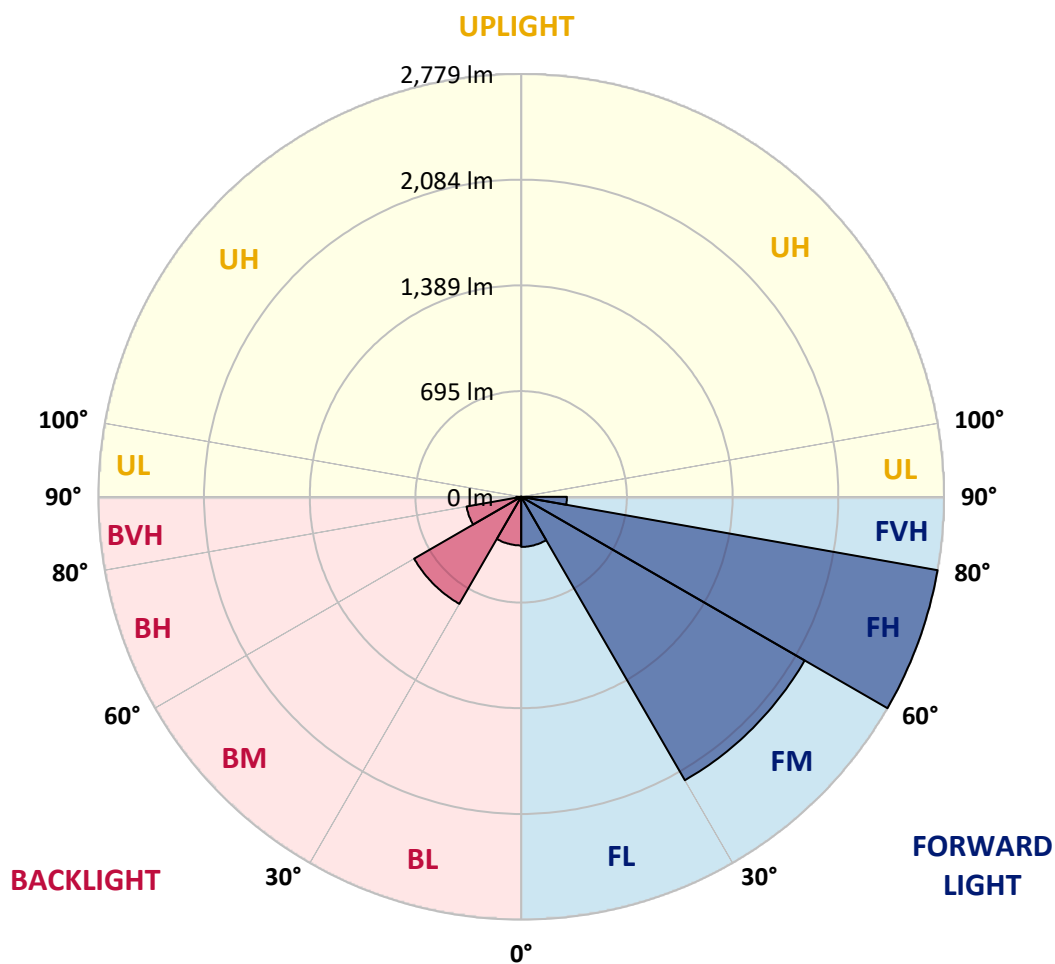
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.0	4.6			
FM	(30°-60°)	2151.1	30.3			
FH	(60°-80°)	2778.8	39.2			G2/5000
FVH	(80°-90°)	300.7	4.2			G3/500
BL	(0°-30°)	319.6	4.5	B1/500		
BM	(30°-60°)	812.3	11.5	B1/1000		
BH	(60°-80°)	364.6	5.1	B1/500		G1/500
BVH	(80°-90°)	32.0	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°	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9
2.5°	715.5	711.6	711.6	703.6	703.6	702.9	704.7	700.5	699.8	699.1	696.7
5°	724.5	723.1	718.2	712.3	715.1	711.3	711.3	705.7	706.1	705.4	701.5
7.5°	722.4	724.8	724.5	717.5	715.5	716.5	716.8	717.2	713.7	713.4	710.6
10°	729.0	726.6	727.6	716.8	719.6	717.2	721.0	720.7	720.7	720.7	717.5
12.5°	715.1	717.9	718.9	720.7	725.9	725.9	732.1	734.6	739.8	743.3	739.1
15°	711.3	708.8	718.9	717.9	730.1	729.0	739.1	752.7	757.2	766.6	769.0
17.5°	709.2	714.1	721.7	721.4	733.2	735.6	749.5	764.8	777.7	793.3	798.9
20°	715.1	715.1	723.1	726.6	744.7	744.7	759.3	778.4	798.5	821.5	833.3
22.5°	733.9	734.6	741.9	738.1	749.5	753.7	766.2	787.8	819.1	844.1	868.4
25°	744.7	748.8	757.5	756.5	767.6	770.7	785.7	813.5	847.2	880.2	920.9
27.5°	769.7	770.0	777.0	774.9	801.3	802.7	816.3	837.5	886.5	924.4	981.4
30°	805.8	807.9	812.4	818.7	846.2	844.8	853.8	882.0	929.3	980.4	1057.9
32.5°	884.4	879.9	874.3	875.4	902.5	910.1	927.5	960.9	1019.3	1081.2	1165.0
35°	1018.3	1015.5	995.3	971.7	981.1	990.1	1018.6	1082.6	1172.6	1317.9	1392.7
37.5°	1193.1	1201.5	1163.6	1113.2	1092.6	1094.7	1121.2	1207.7	1354.8	1629.4	1676.7
40°	1414.6	1402.1	1355.5	1288.0	1236.2	1225.4	1233.8	1344.7	1558.5	1904.1	1913.1
42.5°	1576.2	1578.0	1525.1	1476.1	1408.3	1388.1	1374.2	1479.2	1769.2	2115.8	2083.8
45°	1763.6	1777.2	1719.5	1669.0	1621.4	1600.6	1579.7	1644.0	1987.1	2284.0	2229.1
47.5°	1922.5	1924.9	1850.5	1813.0	1760.1	1750.7	1730.6	1792.5	2164.4	2416.1	2341.0
50°	2069.9	2095.3	1998.6	1945.1	1900.9	1895.0	1902.3	1960.7	2337.2	2530.5	2431.4
52.5°	2323.0	2284.0	2171.0	2070.2	2042.8	2043.1	2041.7	2137.0	2515.9	2626.8	2505.8
55°	2556.2	2480.4	2355.6	2242.3	2175.2	2175.9	2187.7	2304.2	2664.0	2719.6	2556.6
57.5°	2702.2	2744.0	2629.6	2459.6	2332.7	2334.8	2334.4	2460.6	2791.2	2801.3	2595.9
60°	2915.4	2965.1	2935.2	2807.6	2637.2	2599.7	2504.8	2637.2	2922.0	2879.5	2637.6
62.5°	3071.1	3107.9	3191.0	3119.8	3129.5	3133.3	2835.0	2838.5	3015.5	2944.2	2646.6
65°	3071.4	3070.8	3263.7	3352.7	3584.6	3624.9	3499.4	3116.6	3104.1	2954.6	2611.9
67.5°	2778.0	2796.1	2999.1	3329.7	3854.3	3884.6	3804.3	3556.4	3150.0	2966.5	2555.5
69°	2540.9	2572.9	2769.3	3224.1	3930.8	3941.9	3833.5	3711.5	3166.7	2956.4	2477.0
70°	2384.2	2385.5	2585.8	3093.7	3892.2	3904.8	3831.4	3737.9	3152.4	2927.9	2415.1
72.5°	1881.5	1901.3	2078.6	2628.2	3702.8	3714.9	3689.6	3668.4	3131.9	2801.7	2077.2
75°	1375.6	1388.8	1550.8	2058.8	3238.0	3311.3	3422.6	3541.5	2918.5	2409.2	1563.7
77.5°	964.7	982.1	1149.0	1562.7	2637.2	2738.1	2988.7	3100.0	2472.8	1887.0	871.9
80°	644.2	665.7	817.3	1163.9	2007.7	2110.6	2400.5	2448.5	1891.5	1131.9	172.8
82.5°	409.9	415.4	536.1	822.5	1493.1	1552.2	1657.2	1556.8	1002.6	258.0	51.1
85°	239.2	249.3	324.4	516.3	920.6	988.0	1033.9	772.5	242.3	34.8	27.5
87.5°	90.0	94.2	131.4	223.2	430.7	424.1	411.6	260.7	43.5	16.0	12.5
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°	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9
2.5°	696.3	702.6	699.5	698.1	697.4	700.9	707.5	705.7	704.7	716.1	717.2
5°	701.5	710.2	709.9	711.3	709.2	713.4	716.5	717.5	718.6	730.8	732.5
7.5°	711.3	715.1	716.5	722.1	718.9	725.5	731.1	725.5	730.8	739.4	741.2
10°	720.0	725.9	726.2	734.9	731.8	738.1	739.4	739.4	743.6	753.7	752.0
12.5°	740.8	741.2	753.3	754.0	758.2	757.9	755.1	747.1	743.3	756.8	757.9
15°	771.1	774.9	790.5	789.5	784.3	781.5	769.7	749.9	738.4	736.3	736.3
17.5°	807.6	808.6	828.8	824.6	816.3	798.2	778.7	743.6	711.3	700.9	694.6
20°	837.5	846.2	870.9	856.6	842.0	812.8	770.0	721.7	671.7	646.3	639.7
22.5°	878.2	895.2	909.4	888.6	858.0	815.6	759.3	689.7	624.0	584.4	577.4
25°	935.9	945.6	944.9	908.7	860.4	806.9	728.3	644.5	564.2	520.8	507.9
27.5°	995.3	1002.3	973.1	924.0	852.1	782.2	688.0	585.4	503.7	464.8	455.1
30°	1062.8	1055.8	995.0	917.4	830.2	738.7	631.3	520.4	451.2	416.8	411.6
32.5°	1166.7	1130.9	1014.4	902.1	790.5	679.0	562.1	473.8	417.2	376.8	369.9
35°	1347.1	1271.3	1049.2	888.6	742.6	611.9	502.7	441.5	386.9	339.3	330.3
37.5°	1580.4	1459.8	1114.6	865.3	685.9	546.5	464.8	414.4	364.0	311.1	301.1
40°	1809.1	1656.9	1202.5	842.0	632.4	502.0	443.2	403.6	354.9	300.7	289.9
42.5°	1976.0	1814.7	1298.5	819.7	580.6	467.2	432.5	400.5	355.3	302.5	292.4
45°	2101.9	1939.9	1395.8	789.2	520.1	440.5	422.4	397.4	354.9	304.2	291.7
47.5°	2212.8	2021.9	1462.9	748.8	462.7	419.6	410.2	385.5	346.3	296.9	286.1
50°	2291.0	2099.8	1506.7	713.7	418.6	401.2	393.2	366.4	325.7	282.6	270.1
52.5°	2346.3	2150.2	1511.9	705.0	385.2	385.2	372.7	344.9	305.6	262.1	250.0
55°	2404.3	2179.0	1489.3	672.7	350.1	358.8	350.8	330.3	292.4	247.9	240.2
57.5°	2401.9	2164.4	1444.1	540.6	310.8	319.8	323.0	317.4	287.5	251.3	244.0
60°	2417.9	2149.5	1369.0	375.8	273.6	287.5	300.7	300.7	272.2	229.4	221.8
62.5°	2409.5	2115.1	1208.8	264.9	244.0	266.3	283.0	270.1	242.3	206.2	201.3
65°	2355.3	2017.0	906.7	224.9	233.6	254.1	269.4	249.6	221.1	186.3	182.9
67.5°	2256.2	1836.6	482.2	210.3	229.1	245.8	254.1	232.6	204.4	169.3	165.5
69°	2130.0	1618.3	258.6	208.2	228.4	238.8	244.7	222.5	191.9	161.0	161.0
70°	1999.3	1445.5	167.2	209.3	225.6	234.7	238.1	215.5	184.6	152.3	150.9
72.5°	1566.5	929.6	139.8	198.9	217.3	221.5	221.1	197.1	162.0	115.8	117.9
75°	950.8	283.7	133.5	181.8	203.4	212.1	206.5	165.5	126.2	97.0	97.0
77.5°	258.6	99.4	126.5	165.8	185.6	188.1	186.3	154.0	112.6	80.3	81.0
80°	77.2	77.2	117.9	138.4	157.5	168.6	159.9	135.2	90.4	42.4	43.8
82.5°	44.5	50.1	98.7	97.3	127.2	126.9	126.9	96.6	61.2	27.8	22.6
85°	23.6	35.5	53.5	56.0	59.8	67.4	91.4	83.4	46.2	12.5	2.8
87.5°	13.6	20.2	14.6	10.4	21.9	40.0	59.1	56.7	38.6	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)