

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, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7512.6 lumens
Efficiency: N/A
Efficacy: 144.5 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

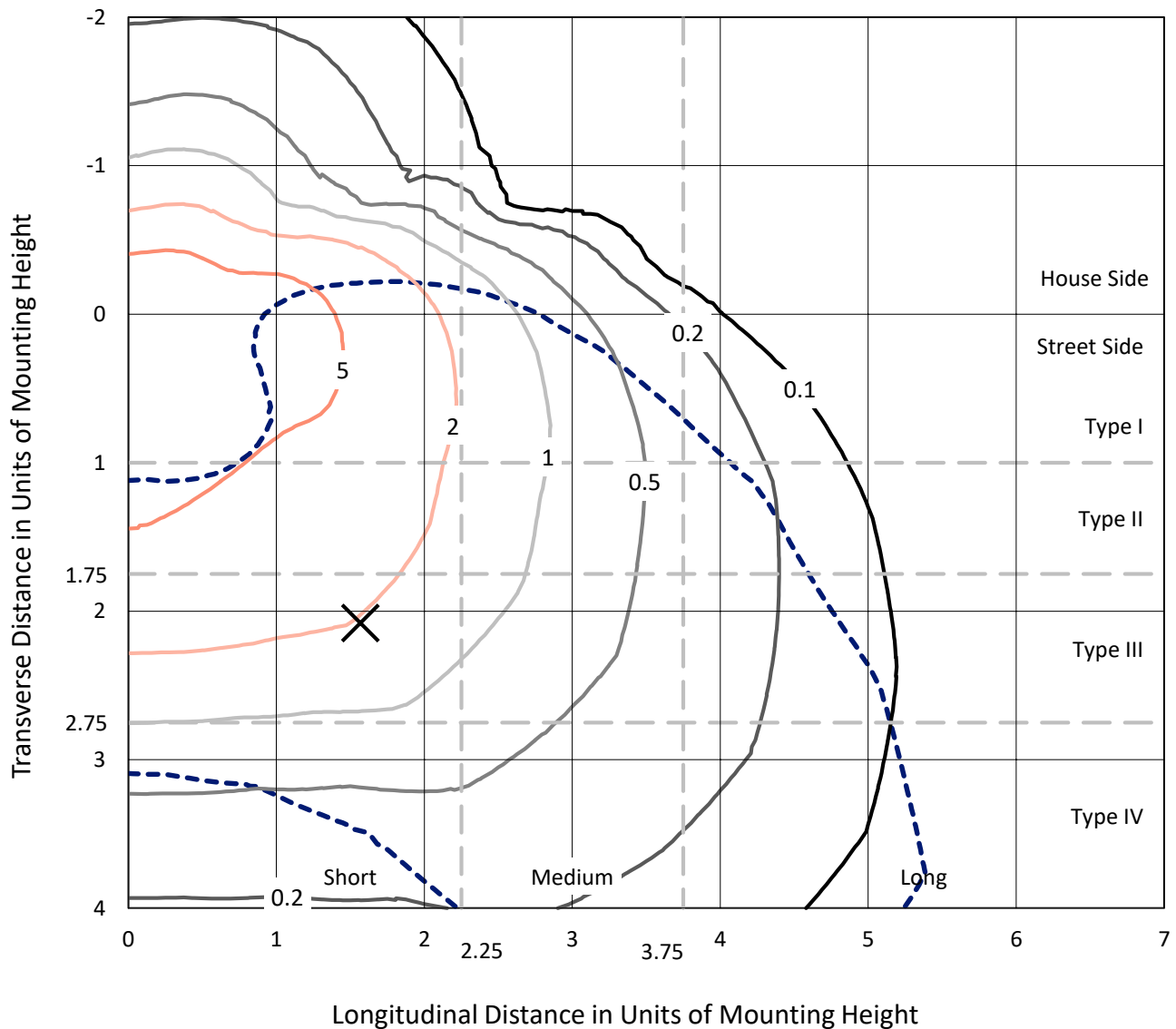


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

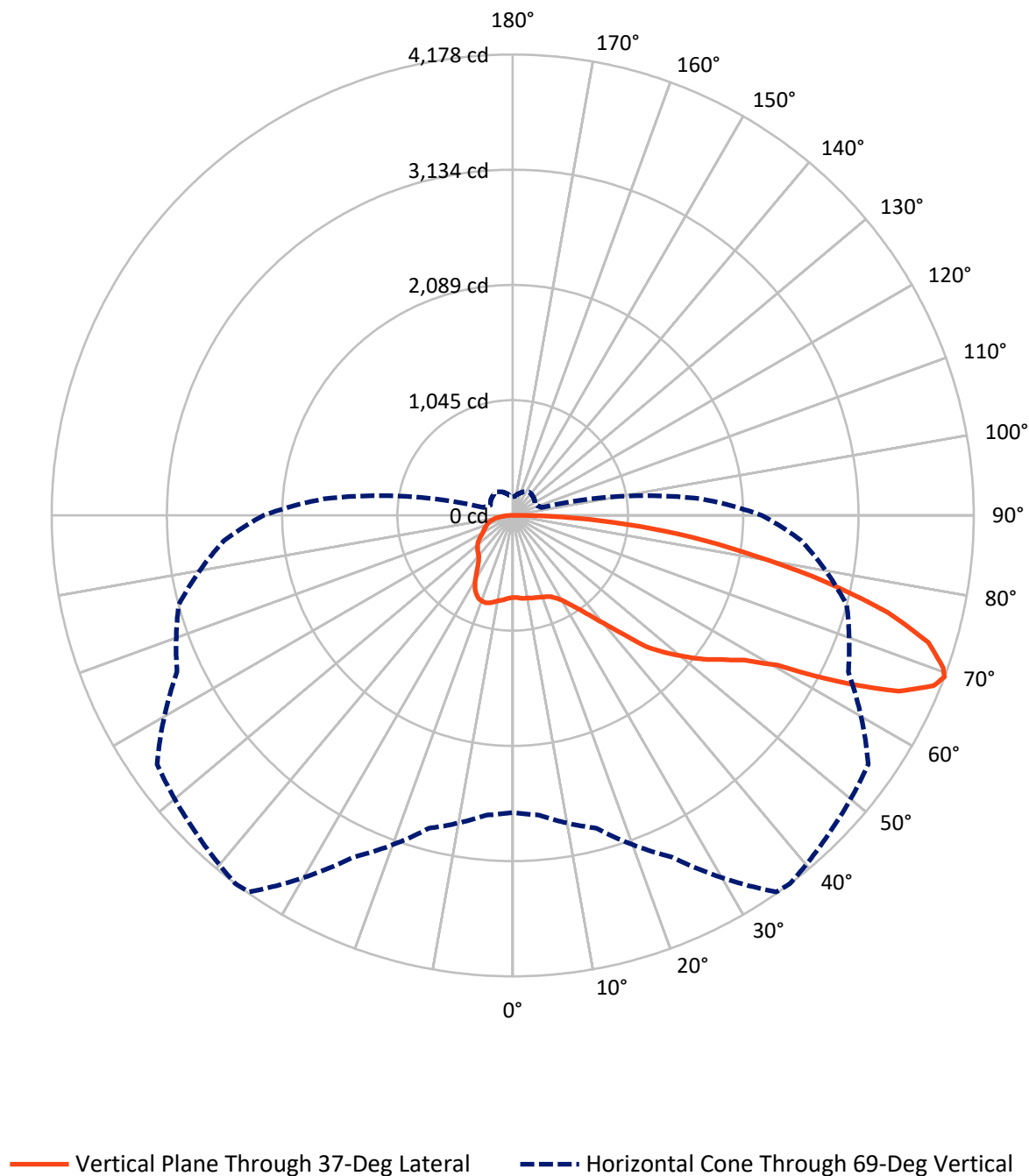


Based on 10 foot mounting height. Maximum calculated value = 9 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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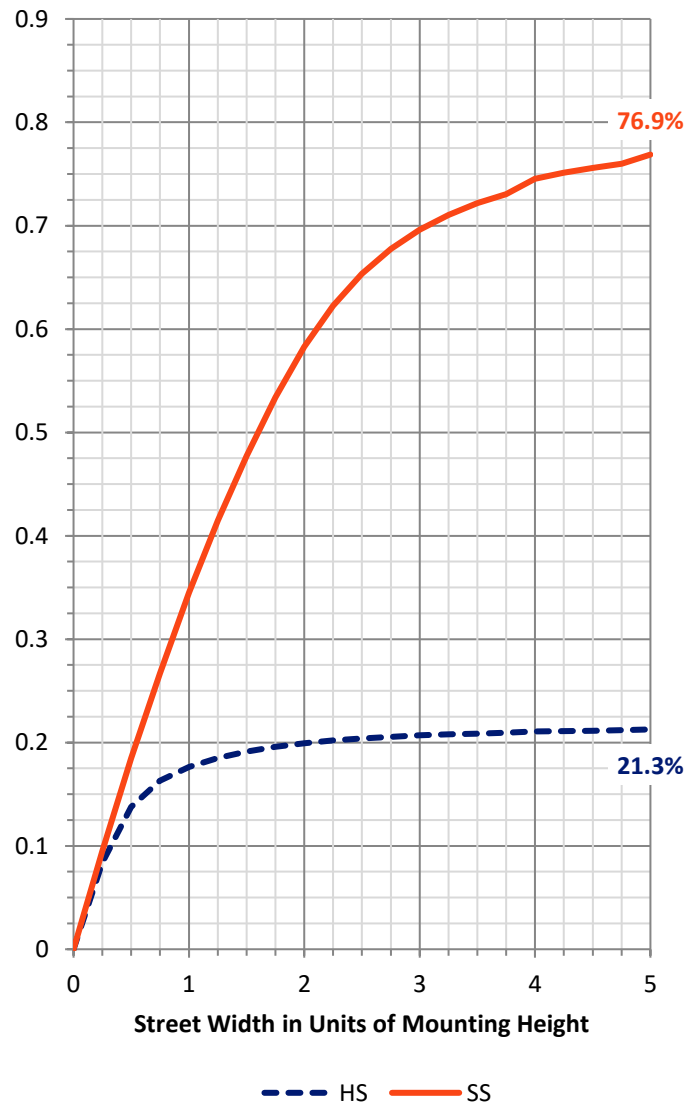
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1619.9	0.0	1619.9
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5892.6	0.0	5892.6
	% Fixture	78.4	0.0	78.4
Total	Lumens	7512.6	0.0	7512.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.0
10°-20°	227.0	3.0
20°-30°	387.8	5.2
30°-40°	614.9	8.2
40°-50°	1044.8	13.9
50°-60°	1481.3	19.7
60°-70°	1885.0	25.1
70°-80°	1446.6	19.3
80°-90°	352.6	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°	7512.6	100.0
0°-180°	7512.6	100.0

Coefficient of Utilization



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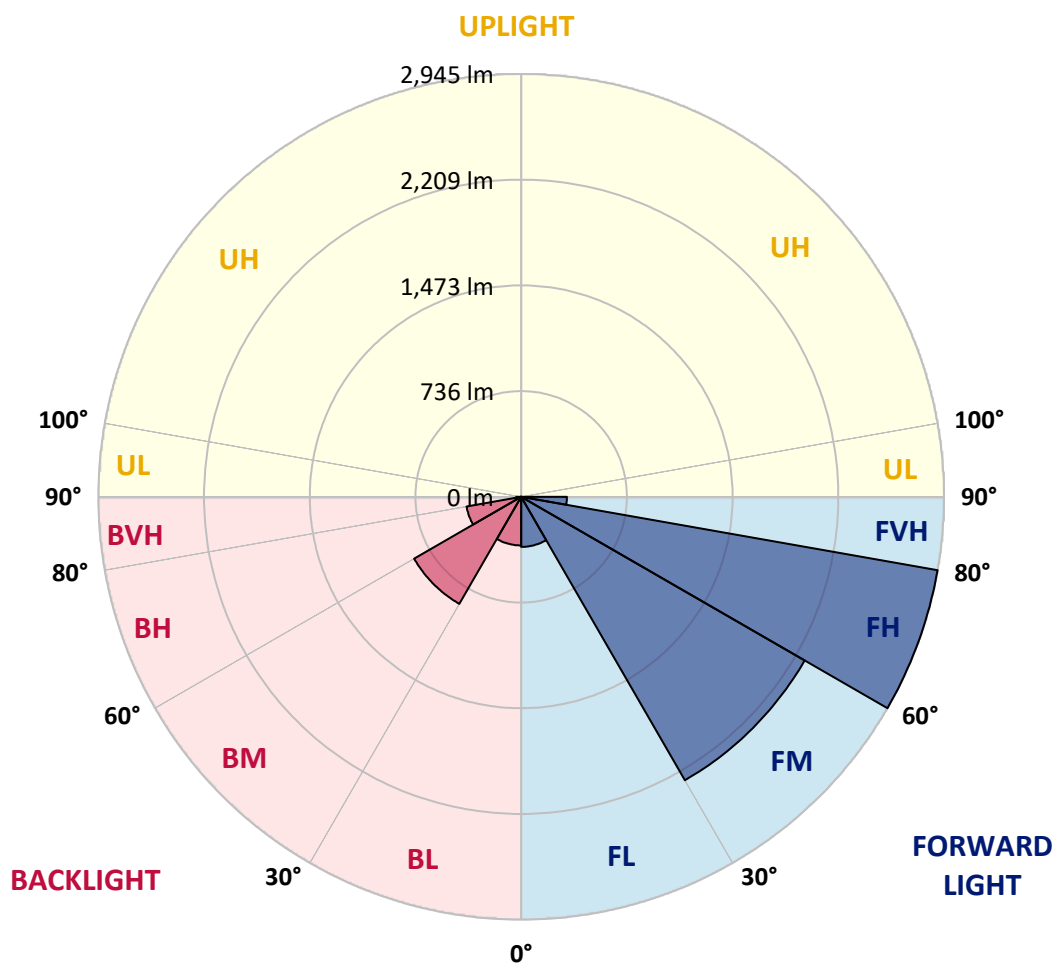
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.7	4.6			
FM	(30°-60°)	2279.9	30.3			
FH	(60°-80°)	2945.2	39.2			G2/5000
FVH	(80°-90°)	318.7	4.2			G3/500
BL	(0°-30°)	338.7	4.5	B1/500		
BM	(30°-60°)	860.9	11.5	B1/1000		
BH	(60°-80°)	386.4	5.1	B1/500		G1/500
BVH	(80°-90°)	33.9	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°	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9
2.5°	758.4	754.2	754.2	745.7	745.7	745.0	746.9	742.5	741.7	741.0	738.4
5°	767.9	766.4	761.2	755.0	757.9	753.9	753.9	748.0	748.4	747.7	743.5
7.5°	765.7	768.2	767.9	760.5	758.4	759.4	759.7	760.2	756.5	756.1	753.2
10°	772.7	770.1	771.2	759.7	762.7	760.2	764.2	763.9	763.9	763.9	760.5
12.5°	757.9	760.9	762.0	763.9	769.4	769.4	776.0	778.6	784.1	787.8	783.4
15°	753.9	751.3	762.0	760.9	773.8	772.7	783.4	797.8	802.6	812.5	815.1
17.5°	751.7	756.9	764.9	764.6	777.1	779.7	794.4	810.6	824.3	840.8	846.8
20°	757.9	757.9	766.4	770.1	789.3	789.3	804.8	825.0	846.3	870.7	883.2
22.5°	777.9	778.6	786.3	782.3	794.4	798.8	812.1	835.0	868.2	894.7	920.4
25°	789.3	793.7	802.9	801.8	813.6	816.9	832.8	862.2	897.9	932.9	976.1
27.5°	815.8	816.1	823.5	821.3	849.3	850.8	865.2	887.7	939.6	979.8	1040.2
30°	854.1	856.3	861.1	867.7	896.9	895.4	904.9	934.8	985.0	1039.1	1121.3
32.5°	937.4	932.6	926.7	927.8	956.6	964.6	983.1	1018.5	1080.4	1146.0	1234.8
35°	1079.3	1076.3	1054.9	1029.9	1039.9	1049.4	1079.6	1147.4	1242.8	1396.8	1476.1
37.5°	1264.6	1273.5	1233.3	1179.9	1158.0	1160.3	1188.4	1280.0	1436.0	1727.0	1777.1
40°	1499.3	1486.1	1436.7	1365.2	1310.2	1298.8	1307.7	1425.2	1651.9	2018.2	2027.7
42.5°	1670.6	1672.5	1616.5	1564.5	1492.7	1471.2	1456.5	1567.8	1875.2	2242.5	2208.6
45°	1869.2	1883.7	1822.5	1769.0	1718.5	1696.5	1674.3	1742.5	2106.1	2420.8	2362.6
47.5°	2037.7	2040.2	1961.3	1921.6	1865.5	1855.6	1834.3	1899.9	2294.0	2560.8	2481.2
50°	2193.9	2220.8	2118.3	2061.6	2014.8	2008.5	2016.2	2078.1	2477.2	2682.1	2577.0
52.5°	2462.1	2420.8	2301.0	2194.2	2165.2	2165.5	2164.0	2265.0	2666.6	2784.1	2655.9
55°	2709.3	2629.0	2496.7	2376.6	2305.5	2306.2	2318.7	2442.2	2823.6	2882.5	2709.7
57.5°	2864.1	2908.4	2787.1	2606.9	2472.4	2474.7	2474.2	2608.0	2958.4	2969.1	2751.4
60°	3090.0	3142.7	3111.0	2975.8	2795.2	2755.4	2654.8	2795.2	3097.0	3052.0	2795.6
62.5°	3255.1	3294.1	3382.1	3306.7	3317.0	3321.0	3004.8	3008.5	3196.1	3120.6	2805.1
65°	3255.4	3254.7	3459.2	3553.5	3799.3	3842.0	3709.0	3303.3	3290.0	3131.6	2768.4
67.5°	2944.4	2963.6	3178.7	3529.1	4085.2	4117.3	4032.2	3769.4	3338.7	3144.2	2708.6
69°	2693.1	2727.0	2935.2	3417.2	4166.3	4178.0	4063.1	3933.8	3356.4	3133.5	2625.4
70°	2527.0	2528.4	2740.7	3279.0	4125.3	4138.7	4060.9	3961.8	3341.2	3103.3	2559.8
72.5°	1994.2	2015.2	2203.1	2785.6	3924.6	3937.4	3910.6	3888.1	3319.5	2969.5	2201.6
75°	1458.0	1472.0	1643.7	2182.1	3432.0	3509.6	3627.6	3753.6	3093.3	2553.5	1657.4
77.5°	1022.5	1040.9	1217.8	1656.3	2795.2	2902.1	3167.7	3285.7	2620.9	2000.0	924.1
80°	682.8	705.6	866.3	1233.6	2128.0	2237.0	2544.3	2595.2	2004.8	1199.7	183.2
82.5°	434.5	440.3	568.2	871.8	1582.5	1645.2	1756.5	1650.1	1062.7	273.5	54.2
85°	253.5	264.2	343.8	547.2	975.7	1047.2	1095.8	818.8	256.8	36.9	29.1
87.5°	95.4	99.8	139.3	236.6	456.5	449.5	436.3	276.3	46.1	17.0	13.2
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°	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9	743.9
2.5°	738.0	744.7	741.4	739.9	739.2	742.9	749.9	748.0	746.9	759.0	760.2
5°	743.5	752.7	752.4	753.9	751.7	756.1	759.4	760.5	761.6	774.6	776.4
7.5°	753.9	757.9	759.4	765.4	762.0	769.0	774.9	769.0	774.6	783.7	785.6
10°	763.1	769.4	769.7	778.9	775.6	782.3	783.7	783.7	788.1	798.8	797.0
12.5°	785.2	785.6	798.4	799.2	803.6	803.3	800.3	791.9	787.8	802.1	803.3
15°	817.3	821.3	837.9	836.8	831.3	828.3	815.8	794.8	782.6	780.4	780.4
17.5°	856.0	857.0	878.4	874.0	865.2	846.0	825.3	788.1	753.9	742.9	736.2
20°	887.7	896.9	923.1	907.9	892.4	861.5	816.1	764.9	711.9	685.0	678.0
22.5°	930.8	948.8	963.9	941.8	909.4	864.5	804.8	731.0	661.4	619.4	612.0
25°	992.0	1002.2	1001.5	963.1	911.9	855.2	771.9	683.1	598.0	552.0	538.3
27.5°	1054.9	1062.3	1031.4	979.3	903.1	829.1	729.2	620.5	533.9	492.6	482.4
30°	1126.5	1119.0	1054.6	972.4	879.9	782.9	669.1	551.6	478.2	441.8	436.3
32.5°	1236.6	1198.6	1075.2	956.1	837.9	719.7	595.8	502.2	442.2	399.4	392.1
35°	1427.8	1347.5	1112.0	941.8	787.1	648.6	532.8	467.9	410.1	359.6	350.1
37.5°	1675.1	1547.2	1181.4	917.1	727.0	579.2	492.6	439.2	385.8	329.7	319.1
40°	1917.5	1756.1	1274.5	892.4	670.3	532.1	469.7	427.8	376.2	318.7	307.3
42.5°	2094.4	1923.4	1376.3	868.8	615.4	495.2	458.4	424.5	376.6	320.6	309.9
45°	2227.8	2056.1	1479.4	836.5	551.3	466.9	447.7	421.2	376.2	322.4	309.2
47.5°	2345.3	2143.0	1550.5	793.7	490.4	444.7	434.8	408.6	367.0	314.7	303.2
50°	2428.2	2225.6	1597.0	756.5	443.7	425.2	416.8	388.3	345.2	299.5	286.3
52.5°	2486.8	2279.0	1602.5	747.2	408.3	408.3	395.0	365.6	323.9	277.8	265.0
55°	2548.3	2309.5	1578.5	713.0	371.1	380.3	371.8	350.1	309.9	262.7	254.6
57.5°	2545.8	2294.0	1530.6	573.0	329.4	339.0	342.3	336.4	304.7	266.4	258.6
60°	2562.7	2278.3	1451.0	398.3	290.0	304.7	318.7	318.7	288.5	243.1	235.1
62.5°	2553.8	2241.8	1281.2	280.8	258.6	282.3	300.0	286.3	256.8	218.6	213.4
65°	2496.4	2137.8	961.0	238.4	247.6	269.3	285.5	264.6	234.3	197.5	193.9
67.5°	2391.3	1946.6	511.1	222.9	242.8	260.5	269.3	246.5	216.6	179.4	175.4
69°	2257.6	1715.2	274.1	220.7	242.1	253.1	259.4	235.8	203.4	170.6	170.6
70°	2119.1	1532.1	177.2	221.8	239.1	248.8	252.4	228.4	195.7	161.4	159.9
72.5°	1660.3	985.3	148.2	210.8	230.3	234.8	234.3	208.9	171.7	122.7	125.0
75°	1007.8	300.7	141.5	192.7	215.6	224.8	218.9	175.4	133.8	102.8	102.8
77.5°	274.1	105.4	134.1	175.7	196.7	199.4	197.5	163.2	119.3	85.1	85.9
80°	81.8	81.8	125.0	146.7	166.9	178.7	169.5	143.3	95.8	44.9	46.4
82.5°	47.2	53.1	104.6	103.1	134.8	134.5	134.5	102.4	64.9	29.5	24.0
85°	25.0	37.6	56.7	59.4	63.4	71.4	96.9	88.4	49.0	13.2	3.0
87.5°	14.4	21.4	15.5	11.0	23.2	42.4	62.6	60.1	40.9	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)