

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: P286978

Luminaire Tested: **USSL-C01-D-U-T4-AP-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286978
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-AP-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE IV OPTIC, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7649.3 lumens
Efficiency: N/A
Efficacy: 147.1 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

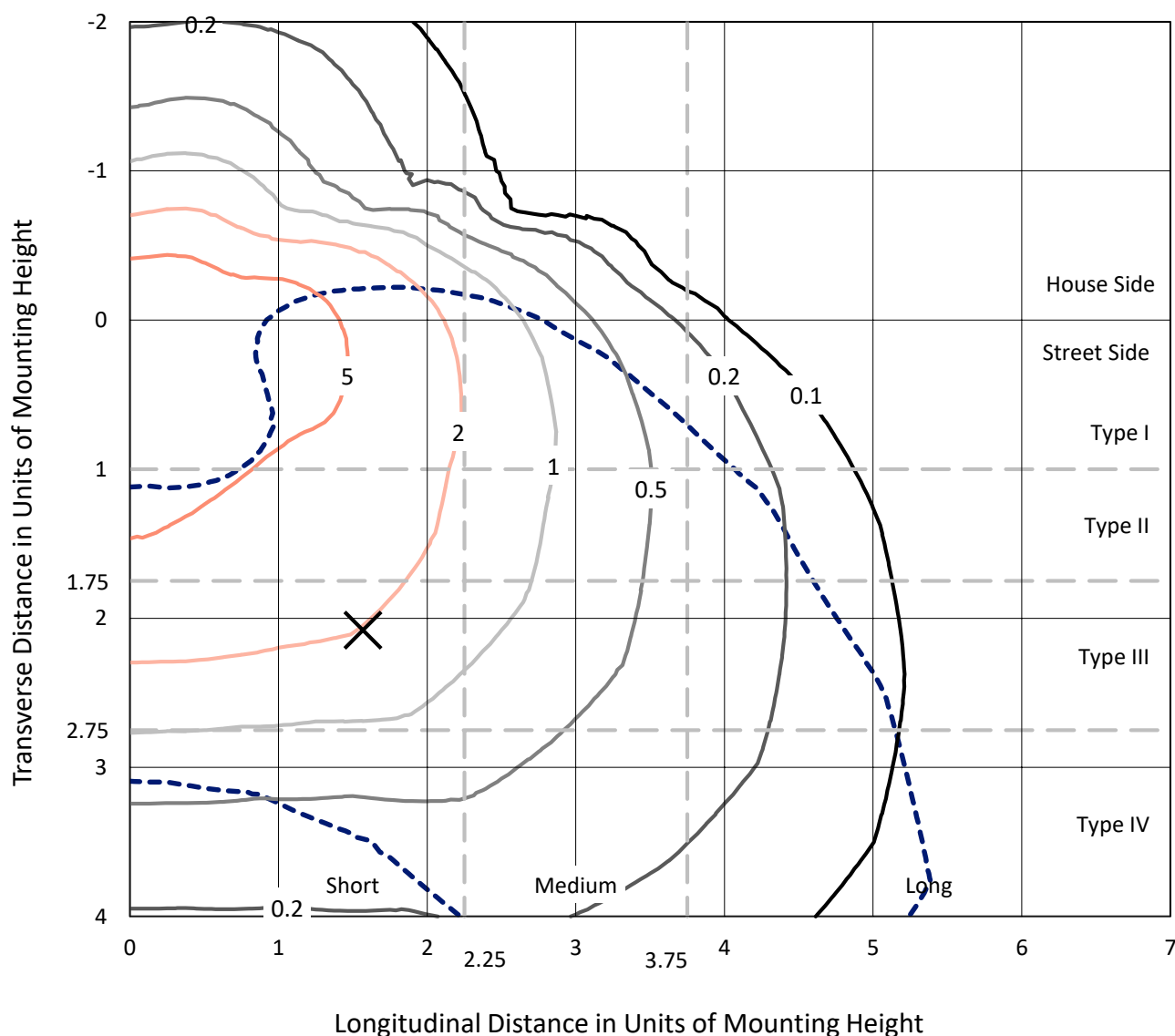


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

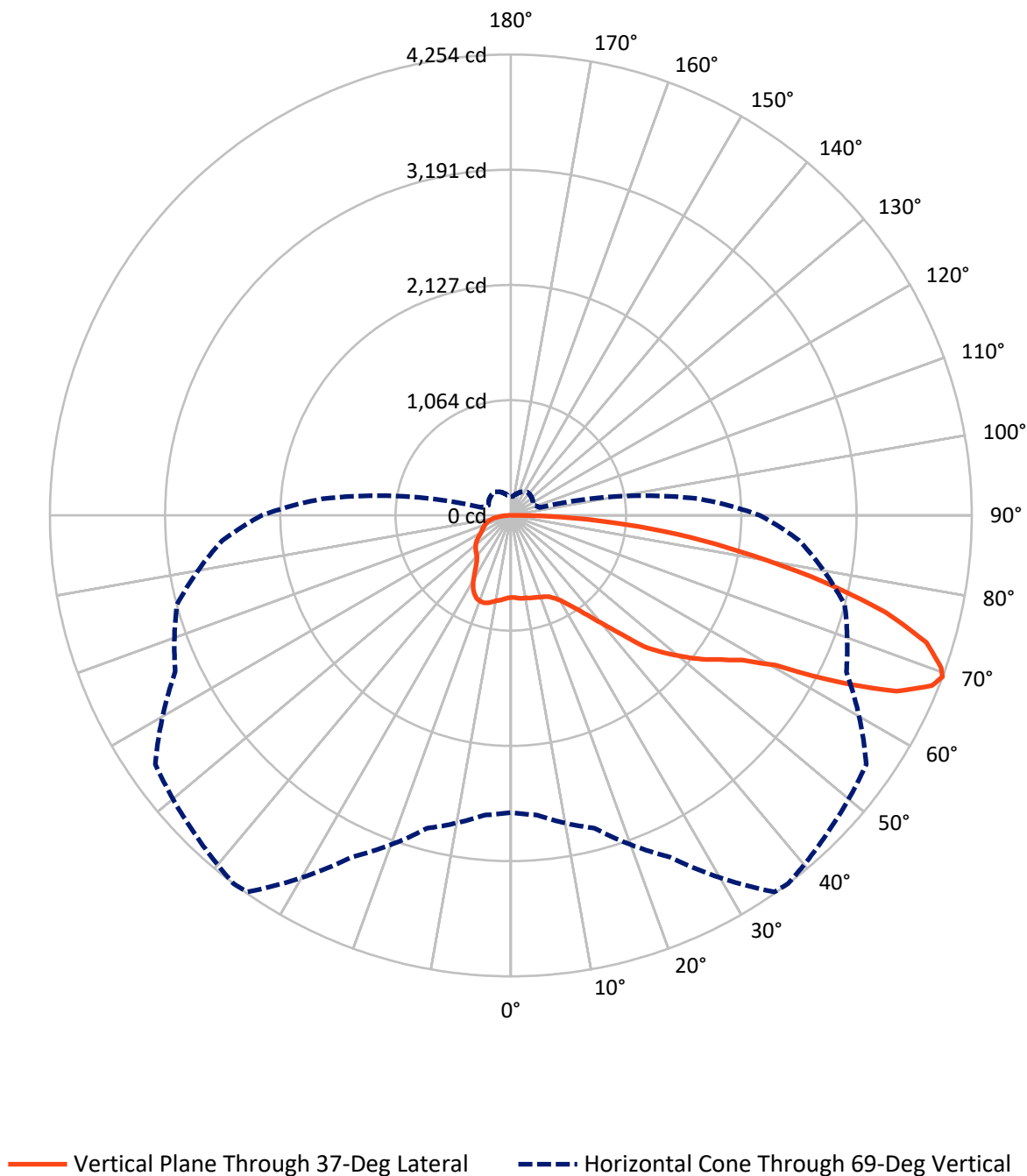


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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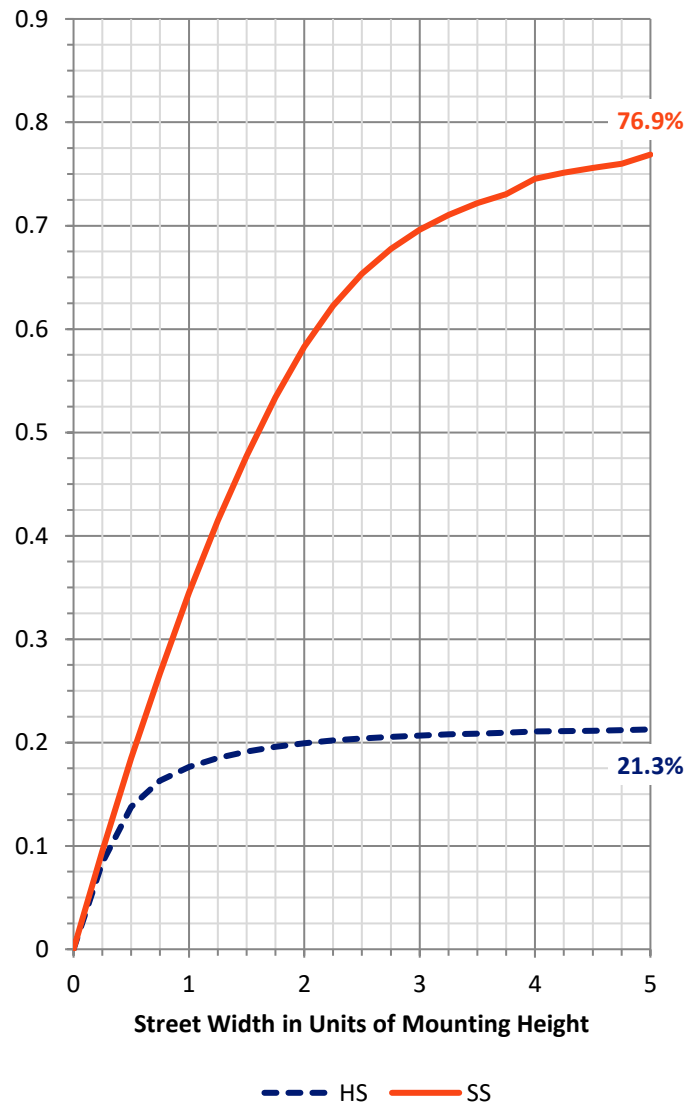
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1649.4	0.0	1649.4
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5999.9	0.0	5999.9
	% Fixture	78.4	0.0	78.4
Total	Lumens	7649.3	0.0	7649.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.0
10°-20°	231.1	3.0
20°-30°	394.9	5.2
30°-40°	626.0	8.2
40°-50°	1063.8	13.9
50°-60°	1508.2	19.7
60°-70°	1919.3	25.1
70°-80°	1472.9	19.3
80°-90°	359.0	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°	7649.3	100.0
0°-180°	7649.3	100.0

Coefficient of Utilization



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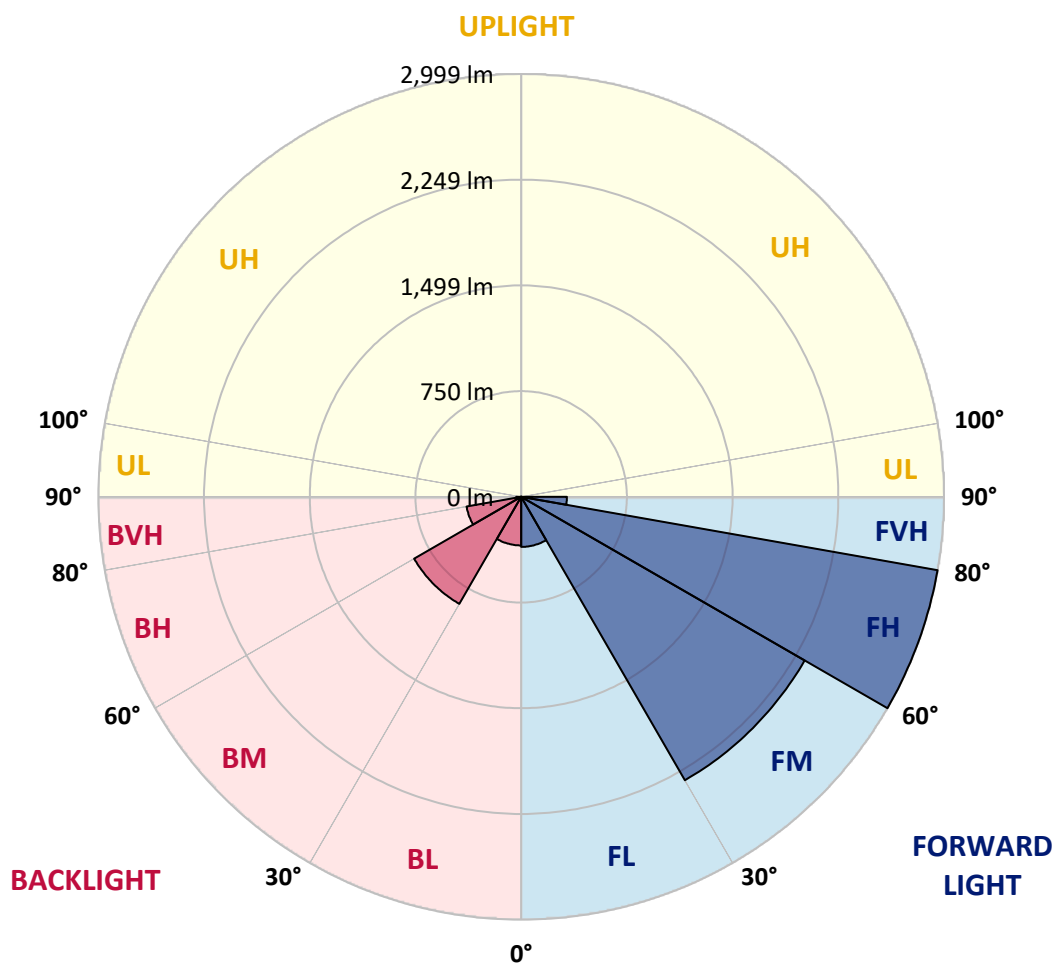
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.1	4.6			
FM	(30°-60°)	2321.4	30.3			
FH	(60°-80°)	2998.8	39.2			G2/5000
FVH	(80°-90°)	324.5	4.2			G3/500
BL	(0°-30°)	344.9	4.5	B1/500		
BM	(30°-60°)	876.6	11.5	B1/1000		
BH	(60°-80°)	393.4	5.1	B1/500		G1/500
BVH	(80°-90°)	34.5	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°	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5
2.5°	772.1	768.0	768.0	759.3	759.3	758.6	760.5	756.0	755.2	754.4	751.9
5°	781.9	780.4	775.1	768.7	771.7	767.6	767.6	761.6	762.0	761.2	757.1
7.5°	779.7	782.2	781.9	774.4	772.1	773.2	773.6	773.9	770.2	769.9	766.8
10°	786.8	784.1	785.3	773.6	776.6	773.9	778.1	777.8	777.8	777.8	774.4
12.5°	771.7	774.8	775.8	777.8	783.4	783.4	790.2	792.7	798.4	802.1	797.6
15°	767.6	764.9	775.8	774.8	787.8	786.8	797.6	812.3	817.2	827.3	829.9
17.5°	765.4	770.7	778.8	778.5	791.2	793.9	808.9	825.3	839.2	856.2	862.1
20°	771.7	771.7	780.4	784.1	803.6	803.6	819.4	840.0	861.8	886.5	899.3
22.5°	792.0	792.7	800.6	796.5	808.9	813.4	826.9	850.1	884.0	910.9	937.2
25°	803.6	808.2	817.5	816.3	828.4	831.8	847.9	877.9	914.3	950.0	993.9
27.5°	830.6	831.0	838.5	836.3	864.8	866.3	880.9	903.8	956.7	997.6	1059.2
30°	869.6	871.9	876.7	883.5	913.2	911.7	921.5	951.8	1002.9	1058.0	1141.6
32.5°	954.4	949.6	943.5	944.7	973.9	982.2	1001.0	1037.0	1100.0	1166.8	1257.3
35°	1098.9	1095.9	1074.1	1048.7	1058.7	1068.5	1099.2	1168.3	1265.4	1422.3	1502.9
37.5°	1287.6	1296.6	1255.7	1201.3	1179.1	1181.5	1210.0	1303.4	1462.0	1758.5	1809.5
40°	1526.6	1513.1	1462.8	1390.1	1334.1	1322.5	1331.4	1451.2	1682.0	2054.8	2064.6
42.5°	1701.0	1702.9	1645.9	1593.0	1519.8	1498.1	1483.1	1596.4	1909.3	2283.3	2248.8
45°	1903.3	1917.9	1855.6	1801.2	1749.8	1727.3	1704.8	1774.2	2144.5	2464.9	2405.7
47.5°	2074.8	2077.3	1997.1	1956.6	1899.6	1889.4	1867.6	1934.4	2335.8	2607.5	2526.4
50°	2233.8	2261.2	2156.9	2099.1	2051.4	2045.1	2052.9	2116.0	2522.4	2730.9	2624.0
52.5°	2506.9	2464.9	2343.0	2234.2	2204.5	2204.9	2203.4	2306.2	2715.1	2834.8	2704.2
55°	2758.7	2676.9	2542.2	2419.9	2347.5	2348.2	2360.9	2486.6	2875.0	2935.0	2759.0
57.5°	2916.2	2961.3	2837.8	2654.4	2517.5	2519.7	2519.3	2655.5	3012.2	3023.2	2801.4
60°	3146.2	3199.8	3167.6	3029.9	2846.0	2805.6	2703.2	2846.0	3153.3	3107.6	2846.5
62.5°	3314.3	3354.1	3443.7	3366.8	3377.4	3381.5	3059.5	3063.3	3254.3	3177.4	2856.2
65°	3314.6	3313.9	3522.2	3618.2	3868.4	3912.0	3776.5	3363.5	3349.9	3188.6	2818.7
67.5°	2998.0	3017.5	3236.6	3593.4	4159.6	4192.2	4105.5	3838.0	3399.4	3201.3	2758.0
69°	2742.2	2776.6	2988.6	3479.3	4242.1	4254.1	4137.1	4005.4	3417.4	3190.5	2673.2
70°	2572.9	2574.5	2790.5	3338.7	4200.5	4214.0	4134.8	4033.9	3402.1	3159.8	2606.3
72.5°	2030.5	2051.9	2243.2	2836.3	3996.0	4009.1	3981.7	3958.8	3379.9	3023.6	2241.7
75°	1484.6	1498.8	1673.7	2221.8	3494.4	3573.6	3693.6	3821.9	3149.6	2599.9	1687.6
77.5°	1041.1	1059.9	1240.0	1686.4	2846.0	2954.9	3225.4	3345.5	2668.6	2036.5	941.0
80°	695.2	718.5	882.0	1256.1	2166.6	2277.7	2590.6	2642.3	2041.4	1221.5	186.4
82.5°	442.3	448.3	578.5	887.7	1611.4	1675.2	1788.5	1680.0	1082.1	278.3	55.1
85°	258.1	269.0	350.1	557.1	993.4	1066.3	1115.8	833.6	261.5	37.5	29.7
87.5°	97.2	101.6	141.8	240.9	464.9	457.7	444.2	281.4	46.8	17.3	13.5
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°	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5	757.5
2.5°	751.5	758.3	754.9	753.4	752.6	756.3	763.4	761.6	760.5	772.9	773.9
5°	757.1	766.5	766.1	767.6	765.4	769.9	773.2	774.4	775.5	788.6	790.5
7.5°	767.6	771.7	773.2	779.2	775.8	782.9	789.0	782.9	788.6	798.0	799.9
10°	777.0	783.4	783.7	793.1	789.7	796.5	798.0	798.0	802.5	813.4	811.5
12.5°	799.5	799.9	813.0	813.8	818.2	817.9	814.9	806.3	802.1	816.8	817.9
15°	832.1	836.3	853.1	852.1	846.4	843.4	830.6	809.2	796.8	794.6	794.6
17.5°	871.6	872.6	894.4	889.9	880.9	861.4	840.4	802.5	767.6	756.3	749.6
20°	903.8	913.2	939.8	924.4	908.7	877.2	831.0	778.8	724.9	697.4	690.3
22.5°	947.7	966.1	981.5	959.0	925.9	880.1	819.4	744.4	673.5	630.6	623.1
25°	1010.0	1020.5	1019.7	980.7	928.6	870.8	786.0	695.6	608.9	562.1	548.2
27.5°	1074.1	1081.6	1050.1	997.3	919.6	844.1	742.5	631.8	543.6	501.7	491.1
30°	1146.9	1139.4	1073.8	990.1	895.9	797.3	681.3	561.6	487.0	449.8	444.2
32.5°	1259.1	1220.5	1094.8	973.6	853.1	732.7	606.7	511.4	450.2	406.7	399.2
35°	1453.8	1372.0	1132.3	959.0	801.4	660.3	542.5	476.4	417.6	366.2	356.4
37.5°	1705.6	1575.3	1202.8	933.8	740.2	589.7	501.7	447.2	392.8	335.8	324.9
40°	1952.4	1788.1	1297.7	908.7	682.5	541.7	478.3	435.6	383.0	324.5	312.9
42.5°	2132.5	1958.4	1401.3	884.7	626.5	504.2	466.7	432.2	383.5	326.4	315.5
45°	2268.3	2093.5	1506.3	851.6	561.2	475.4	455.9	428.8	383.0	328.3	314.8
47.5°	2388.0	2182.0	1578.7	808.2	499.3	452.8	442.7	416.1	373.7	320.4	308.7
50°	2472.4	2266.1	1626.0	770.2	451.7	433.0	424.3	395.4	351.6	305.0	291.5
52.5°	2532.1	2320.4	1631.6	760.9	415.7	415.7	402.2	372.1	329.7	282.9	269.7
55°	2594.7	2351.6	1607.2	725.9	377.9	387.2	378.6	356.4	315.5	267.5	259.3
57.5°	2592.1	2335.8	1558.5	583.4	335.5	345.2	348.5	342.6	310.2	271.2	263.4
60°	2609.4	2319.7	1477.4	405.5	295.3	310.2	324.5	324.5	293.8	247.6	239.3
62.5°	2600.4	2282.6	1304.5	285.9	263.4	287.3	305.4	291.5	261.5	222.5	217.2
65°	2541.9	2176.7	978.5	242.7	252.2	274.3	290.7	269.4	238.6	201.1	197.4
67.5°	2434.9	1982.0	520.4	227.0	247.3	265.3	274.3	251.0	220.6	182.7	178.6
69°	2298.7	1746.4	279.2	224.7	246.5	257.8	264.1	240.1	207.1	173.7	173.7
70°	2157.6	1560.0	180.5	225.9	243.5	253.2	257.0	232.6	199.3	164.3	162.8
72.5°	1690.5	1003.2	150.8	214.6	234.4	239.0	238.6	212.7	174.9	125.0	127.2
75°	1026.1	306.1	144.0	196.2	219.5	228.8	222.9	178.6	136.2	104.7	104.7
77.5°	279.2	107.3	136.5	178.9	200.3	203.0	201.1	166.2	121.6	86.7	87.4
80°	83.3	83.3	127.2	149.3	169.9	182.0	172.6	145.9	97.5	45.8	47.3
82.5°	48.0	54.1	106.5	105.0	137.4	136.9	136.9	104.3	66.0	30.0	24.4
85°	25.5	38.3	57.8	60.4	64.5	72.8	98.7	90.1	49.9	13.5	3.0
87.5°	14.6	21.7	15.8	11.2	23.6	43.1	63.8	61.2	41.7	0.4	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)