

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: P157110

Luminaire Tested: **UTLD-E03-LED-E-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157110
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-SL4
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7548.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 75.2
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

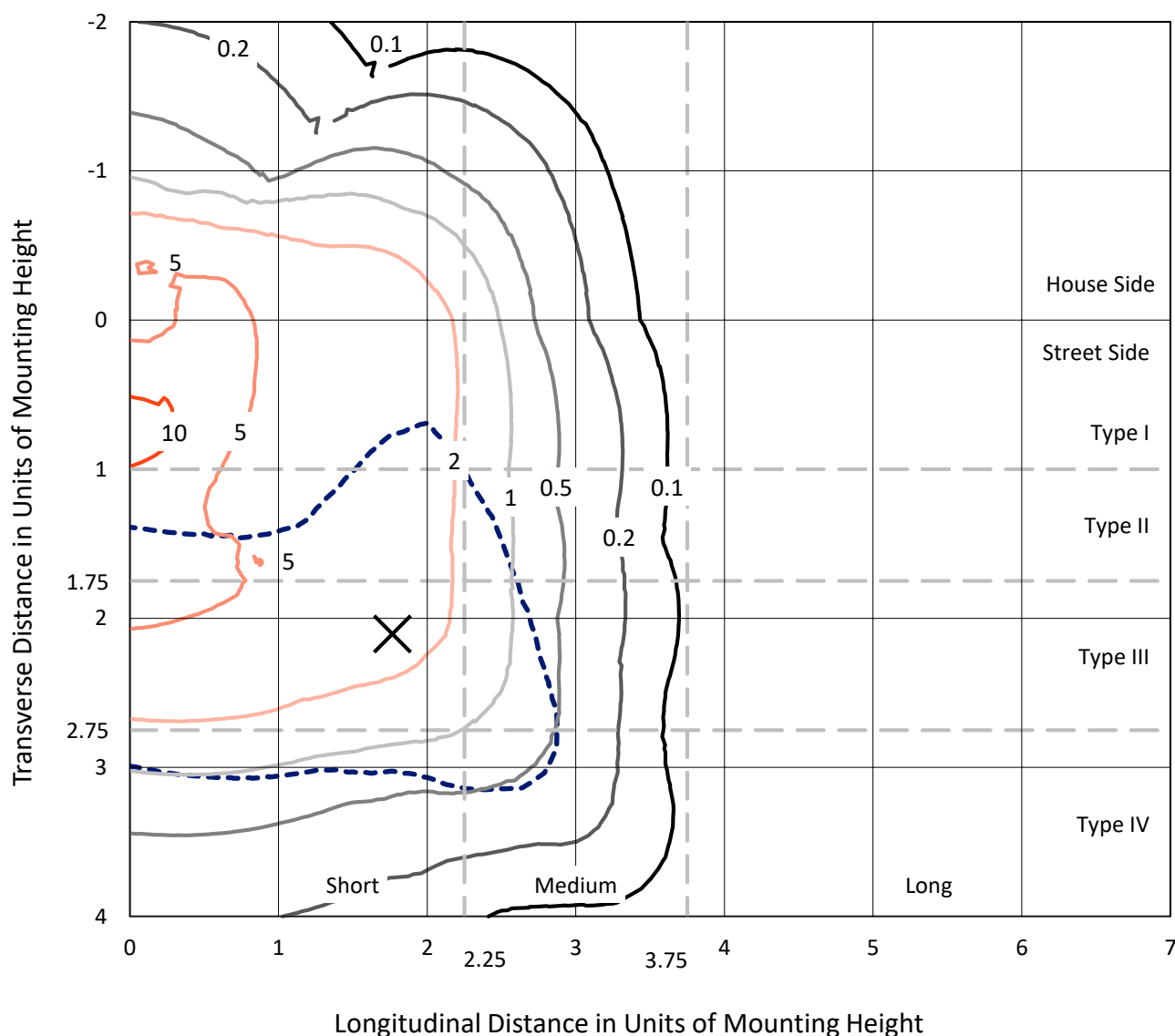


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

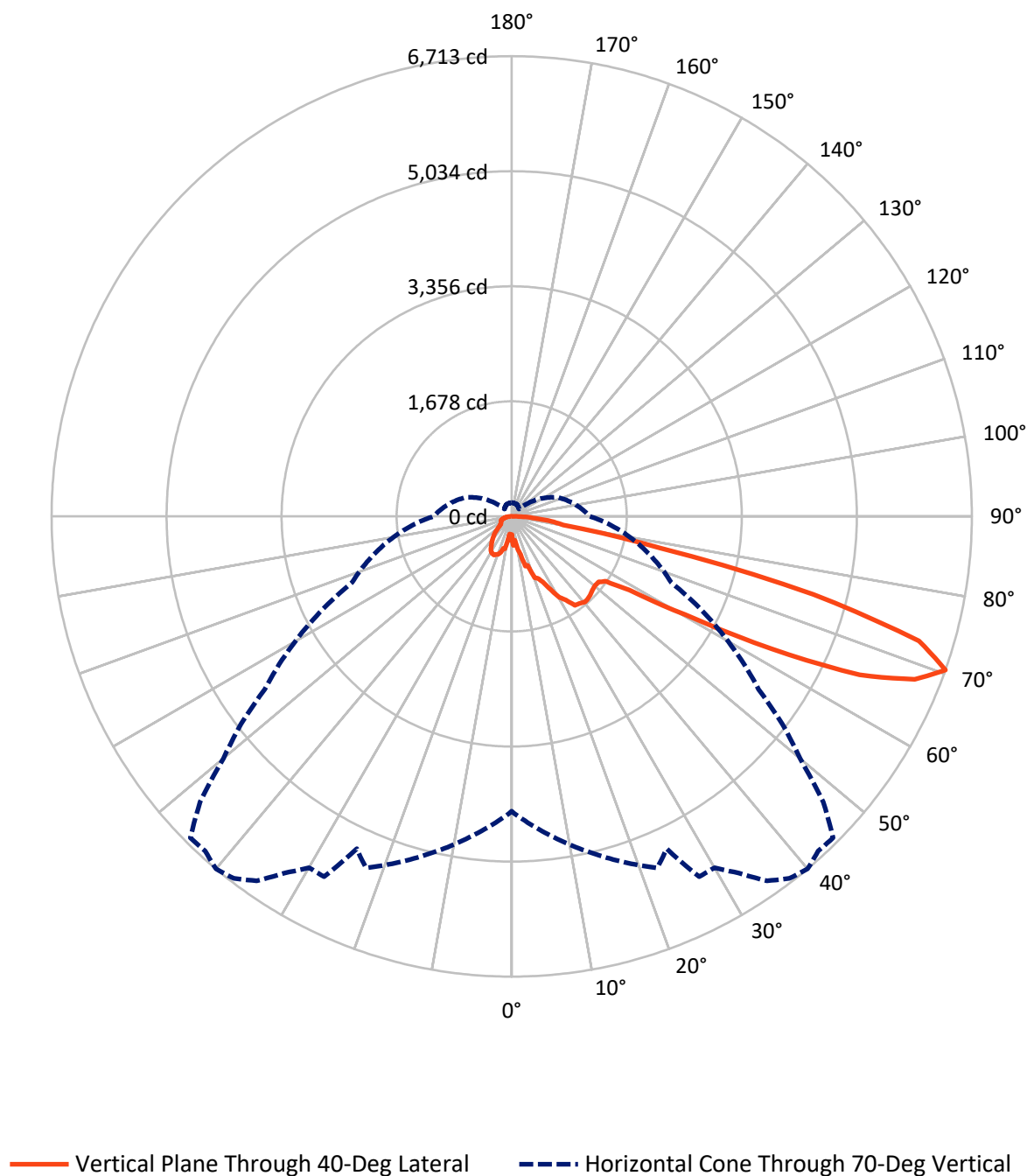


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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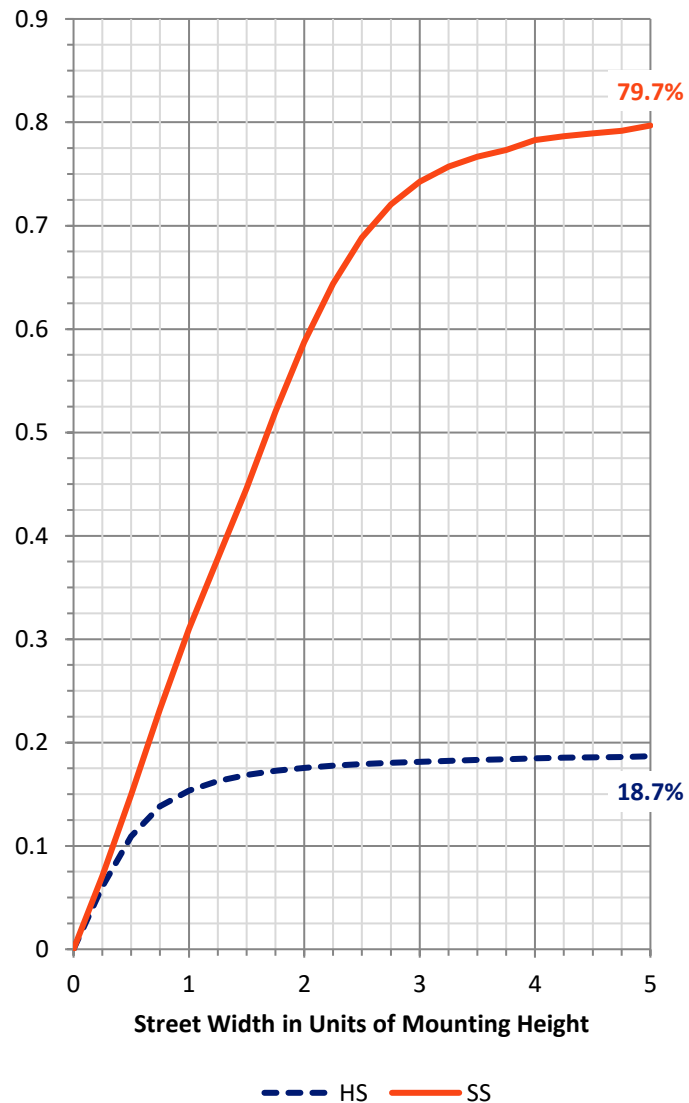
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1430.4	0.0	1430.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	6118.1	0.0	6118.1
	% Fixture	81.1	0.0	81.1
Total	Lumens	7548.5	0.0	7548.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	0.4
10°-20°	168.2	2.2
20°-30°	413.1	5.5
30°-40°	691.3	9.2
40°-50°	874.8	11.6
50°-60°	1357.7	18.0
60°-70°	2551.6	33.8
70°-80°	1258.4	16.7
80°-90°	199.4	2.6
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°	7548.5	100.0
0°-180°	7548.5	100.0

Coefficient of Utilization



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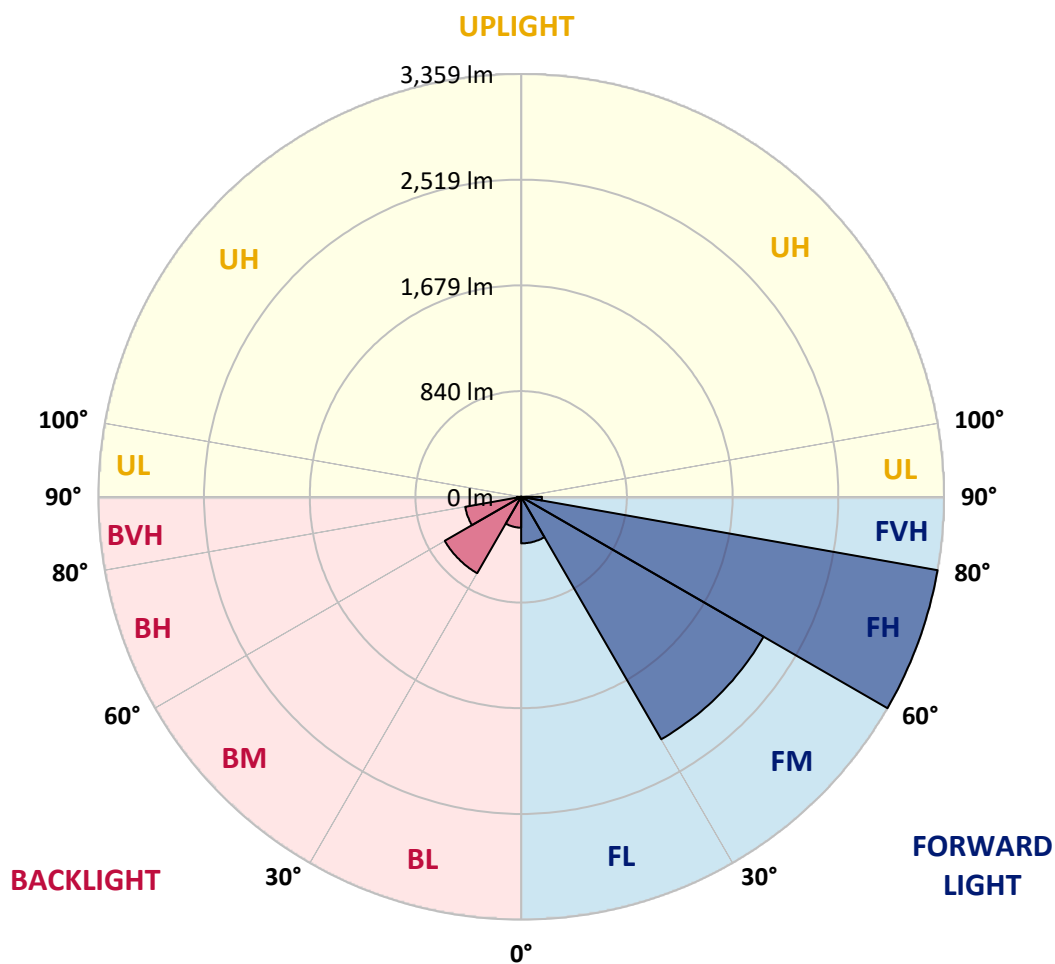
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.0	4.9			
FM	(30°-60°)	2223.7	29.5			
FH	(60°-80°)	3358.7	44.5			G2/5000
FVH	(80°-90°)	165.8	2.2			G2/225
BL	(0°-30°)	245.3	3.2	B1/500		
BM	(30°-60°)	700.1	9.3	B1/1000		
BH	(60°-80°)	451.4	6.0	B1/500		G1/500
BVH	(80°-90°)	33.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	421.5	412.5	421.5	420.0	427.5	426.0	426.0	421.5	420.0	424.5	423.0
5°	354.0	355.5	348.0	340.5	345.0	345.0	345.0	342.0	340.5	346.5	351.0
7.5°	525.0	526.5	522.0	514.5	525.0	514.5	510.0	483.0	435.0	355.5	351.0
10°	531.0	529.5	519.0	513.0	514.5	514.5	511.5	507.0	487.5	489.0	498.0
12.5°	688.5	688.5	664.5	645.0	654.0	636.0	535.5	516.0	507.0	570.0	628.5
15°	735.0	697.5	675.0	645.0	655.5	663.0	765.0	772.5	789.0	753.0	747.0
17.5°	861.0	862.5	829.5	822.0	910.5	871.5	783.0	772.5	786.0	751.5	745.5
20°	1017.0	1014.0	912.0	1050.0	937.5	931.5	909.0	900.0	936.0	954.0	855.0
22.5°	1057.5	1059.0	1113.0	1171.5	1080.0	1042.5	1002.0	1002.0	994.5	982.5	931.5
25°	1299.0	1302.0	1153.5	1228.5	1128.0	1173.0	1153.5	1113.0	1081.5	1062.0	1039.5
27.5°	1422.0	1402.5	1350.0	1443.0	1384.5	1336.5	1248.0	1170.0	1204.5	1206.0	1171.5
30°	1624.5	1623.0	1582.5	1579.5	1465.5	1407.0	1425.0	1375.5	1344.0	1369.5	1267.5
32.5°	1938.0	1947.0	1683.0	1662.0	1623.0	1615.5	1551.0	1518.0	1449.0	1453.5	1366.5
35°	2292.0	2295.0	1914.0	1780.5	1803.0	1726.5	1621.5	1594.5	1537.5	1591.5	1468.5
37.5°	2433.0	2430.0	2110.5	1911.0	1876.5	1771.5	1722.0	1698.0	1627.5	1611.0	1506.0
40°	2664.0	2665.5	2236.5	1969.5	1987.5	1854.0	1812.0	1734.0	1636.5	1644.0	1522.5
42.5°	2740.5	2740.5	2274.0	1983.0	2023.5	1906.5	1821.0	1737.0	1651.5	1636.5	1539.0
45°	2772.0	2773.5	2256.0	1993.5	1978.5	1896.0	1798.5	1723.5	1635.0	1615.5	1525.5
47.5°	2767.5	2766.0	2224.5	1990.5	1960.5	1861.5	1798.5	1716.0	1617.0	1591.5	1509.0
50°	2734.5	2737.5	2215.5	1974.0	1983.0	1848.0	1800.0	1707.0	1617.0	1579.5	1507.5
52.5°	2769.0	2776.5	2256.0	1981.5	2026.5	1896.0	1816.5	1725.0	1641.0	1588.5	1524.0
55°	3532.5	3586.5	2496.0	2110.5	2200.5	2047.5	1915.5	1822.5	1728.0	1669.5	1614.0
57.5°	5022.0	5026.5	3480.0	2667.0	2845.5	2587.5	2349.0	2269.5	2100.0	2023.5	2002.5
60°	5586.0	5605.5	4669.5	3831.0	4200.0	3799.5	3514.5	3361.5	3132.0	2908.5	2860.5
62.5°	5922.0	5935.5	5307.0	4608.0	5116.5	4854.0	4690.5	4671.0	4443.0	4254.0	4155.0
65°	6148.5	6150.0	5760.0	5112.0	5667.0	5433.0	5469.0	5659.5	5605.5	5575.5	5449.5
67.5°	5893.5	5904.0	5991.0	5509.5	6054.0	5907.0	6090.0	6306.0	6327.0	6343.5	6213.0
70°	4297.5	4321.5	5551.5	5347.5	5923.5	5916.0	6166.5	6489.0	6655.5	6712.5	6619.5
72.5°	2724.0	2703.0	3673.5	3928.5	4330.5	4696.5	5169.0	5680.5	6109.5	6214.5	6135.0
75°	1905.0	1899.0	1981.5	2023.5	2355.0	2446.5	2928.0	3688.5	4240.5	4545.0	4558.5
77.5°	1209.0	1209.0	1195.5	1129.5	1168.5	1131.0	1155.0	1323.0	1633.5	2226.0	2349.0
80°	999.0	1000.5	888.0	817.5	861.0	852.0	810.0	792.0	771.0	760.5	817.5
82.5°	673.5	663.0	753.0	693.0	715.5	706.5	690.0	670.5	640.5	585.0	535.5
85°	495.0	487.5	460.5	414.0	439.5	435.0	426.0	405.0	390.0	343.5	315.0
87.5°	372.0	369.0	336.0	270.0	285.0	267.0	241.5	216.0	198.0	169.5	148.5
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5	262.5
2.5°	423.0	423.0	423.0	414.0	403.5	298.5	259.5	256.5	264.0	369.0	409.5
5°	346.5	340.5	339.0	339.0	342.0	403.5	253.5	259.5	366.0	256.5	255.0
7.5°	346.5	340.5	337.5	333.0	333.0	315.0	247.5	355.5	247.5	288.0	409.5
10°	498.0	483.0	480.0	486.0	474.0	454.5	361.5	378.0	345.0	408.0	409.5
12.5°	627.0	627.0	624.0	639.0	631.5	445.5	396.0	366.0	499.5	430.5	547.5
15°	675.0	625.5	636.0	633.0	619.5	646.5	489.0	462.0	474.0	501.0	528.0
17.5°	768.0	822.0	853.5	814.5	712.5	676.5	589.5	472.5	541.5	571.5	642.0
20°	826.5	819.0	841.5	807.0	763.5	777.0	706.5	687.0	589.5	567.0	589.5
22.5°	904.5	913.5	958.5	904.5	885.0	892.5	802.5	705.0	574.5	679.5	643.5
25°	1003.5	1036.5	1060.5	1033.5	960.0	1054.5	897.0	834.0	622.5	603.0	654.0
27.5°	1152.0	1153.5	1143.0	1110.0	1092.0	1102.5	1005.0	793.5	622.5	576.0	565.5
30°	1236.0	1249.5	1296.0	1218.0	1192.5	1198.5	1018.5	858.0	628.5	504.0	532.5
32.5°	1402.5	1359.0	1332.0	1239.0	1293.0	1203.0	1132.5	897.0	603.0	469.5	472.5
35°	1437.0	1425.0	1440.0	1308.0	1314.0	1308.0	1098.0	913.5	558.0	411.0	373.5
37.5°	1510.5	1474.5	1452.0	1377.0	1398.0	1278.0	1101.0	904.5	526.5	339.0	303.0
40°	1522.5	1527.0	1512.0	1389.0	1410.0	1242.0	1077.0	888.0	492.0	274.5	279.0
42.5°	1555.5	1522.5	1495.5	1389.0	1413.0	1227.0	1096.5	874.5	444.0	237.0	261.0
45°	1542.0	1510.5	1480.5	1386.0	1399.5	1230.0	1117.5	862.5	394.5	222.0	261.0
47.5°	1525.5	1498.5	1461.0	1392.0	1398.0	1255.5	1158.0	856.5	334.5	220.5	262.5
50°	1530.0	1500.0	1464.0	1411.5	1410.0	1276.5	1200.0	888.0	270.0	222.0	259.5
52.5°	1548.0	1515.0	1474.5	1434.0	1429.5	1369.5	1423.5	916.5	219.0	222.0	255.0
55°	1657.5	1620.0	1599.0	1611.0	1606.5	1780.5	2071.5	948.0	189.0	220.5	249.0
57.5°	2110.5	2085.0	2100.0	2190.0	2211.0	2497.5	2667.0	990.0	177.0	217.5	243.0
60°	3025.5	3046.5	2992.5	3075.0	3031.5	3016.5	2929.5	1071.0	169.5	213.0	237.0
62.5°	4222.5	4152.0	3960.0	3943.5	3783.0	3309.0	2964.0	1092.0	165.0	208.5	229.5
65°	5451.0	5170.5	4777.5	4627.5	4342.5	3457.5	2797.5	1015.5	162.0	205.5	219.0
67.5°	6265.5	5899.5	5361.0	5044.5	4617.0	3307.5	2154.0	879.0	157.5	199.5	207.0
70°	6630.0	6163.5	5488.5	4978.5	4398.0	2520.0	1140.0	721.5	150.0	190.5	201.0
72.5°	6115.5	5665.5	4849.5	4218.0	3421.5	1563.0	580.5	516.0	139.5	175.5	199.5
75°	4362.0	3862.5	3022.5	2458.5	1846.5	709.5	328.5	244.5	124.5	159.0	196.5
77.5°	2182.5	1750.5	1224.0	969.0	760.5	367.5	145.5	121.5	108.0	141.0	165.0
80°	774.0	715.5	652.5	621.0	535.5	196.5	102.0	97.5	94.5	117.0	120.0
82.5°	511.5	477.0	438.0	411.0	330.0	136.5	79.5	84.0	78.0	96.0	82.5
85°	294.0	279.0	249.0	219.0	178.5	103.5	67.5	72.0	54.0	73.5	52.5
87.5°	138.0	130.5	123.0	114.0	102.0	75.0	37.5	67.5	34.5	46.5	27.0
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)