

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: P179274

Luminaire Tested: **UTLD-F02-LED-E-U-SL3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179274
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-SL3-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2334.4 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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



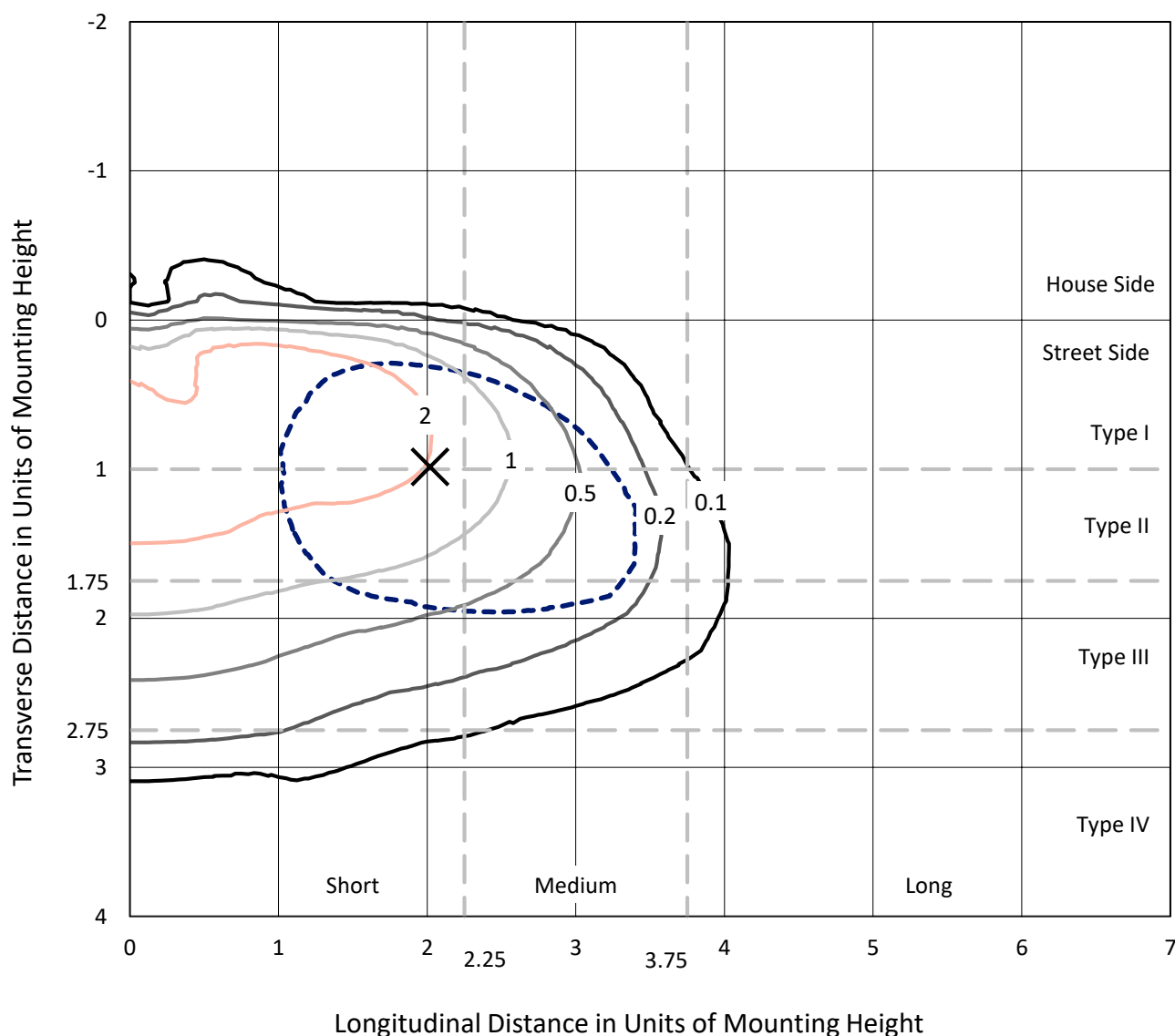
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

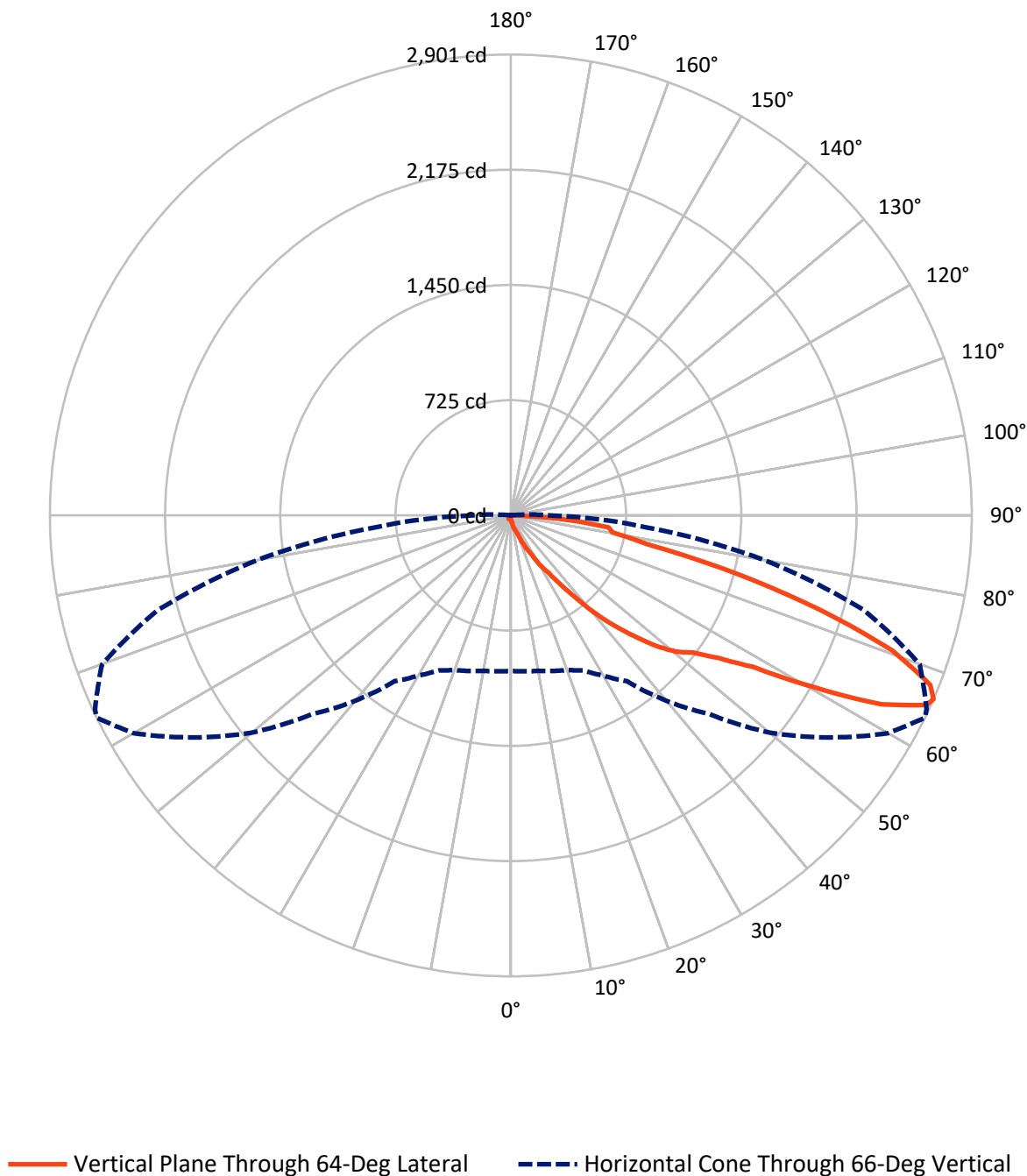


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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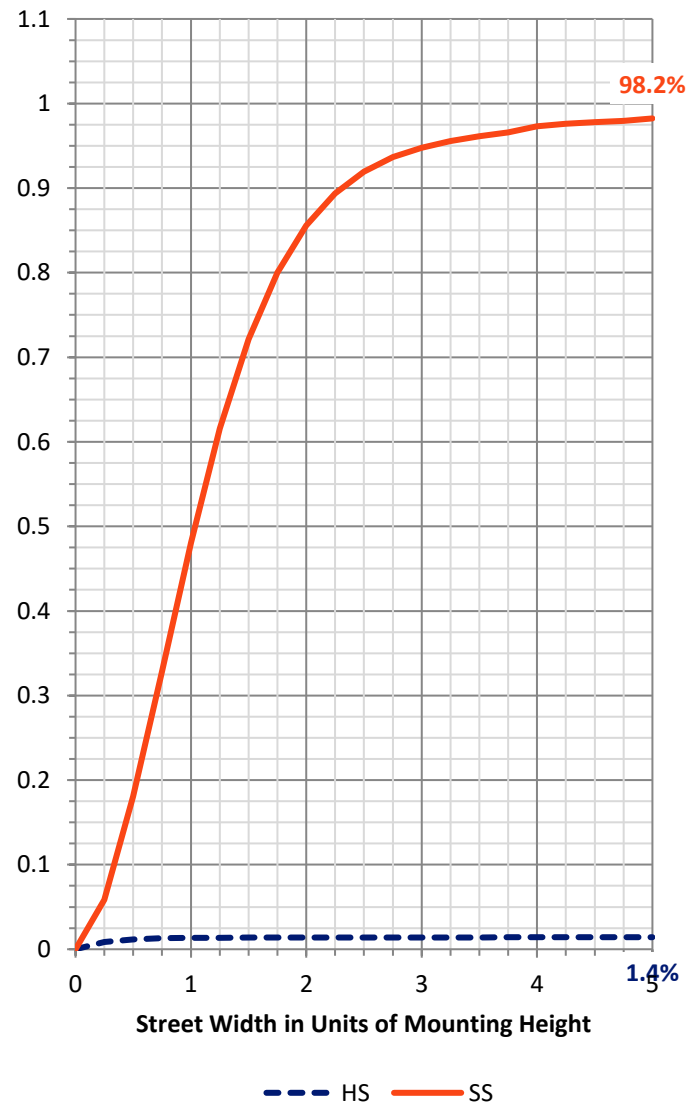
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34.1	0.0	34.1
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	2300.3	0.0	2300.3
	% Fixture	98.5	0.0	98.5
Total	Lumens	2334.4	0.0	2334.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	18.2	0.8
20°-30°	55.8	2.4
30°-40°	148.3	6.4
40°-50°	345.0	14.8
50°-60°	588.2	25.2
60°-70°	776.6	33.3
70°-80°	348.4	14.9
80°-90°	50.7	2.2
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°	2334.4	100.0
0°-180°	2334.4	100.0

Coefficient of Utilization



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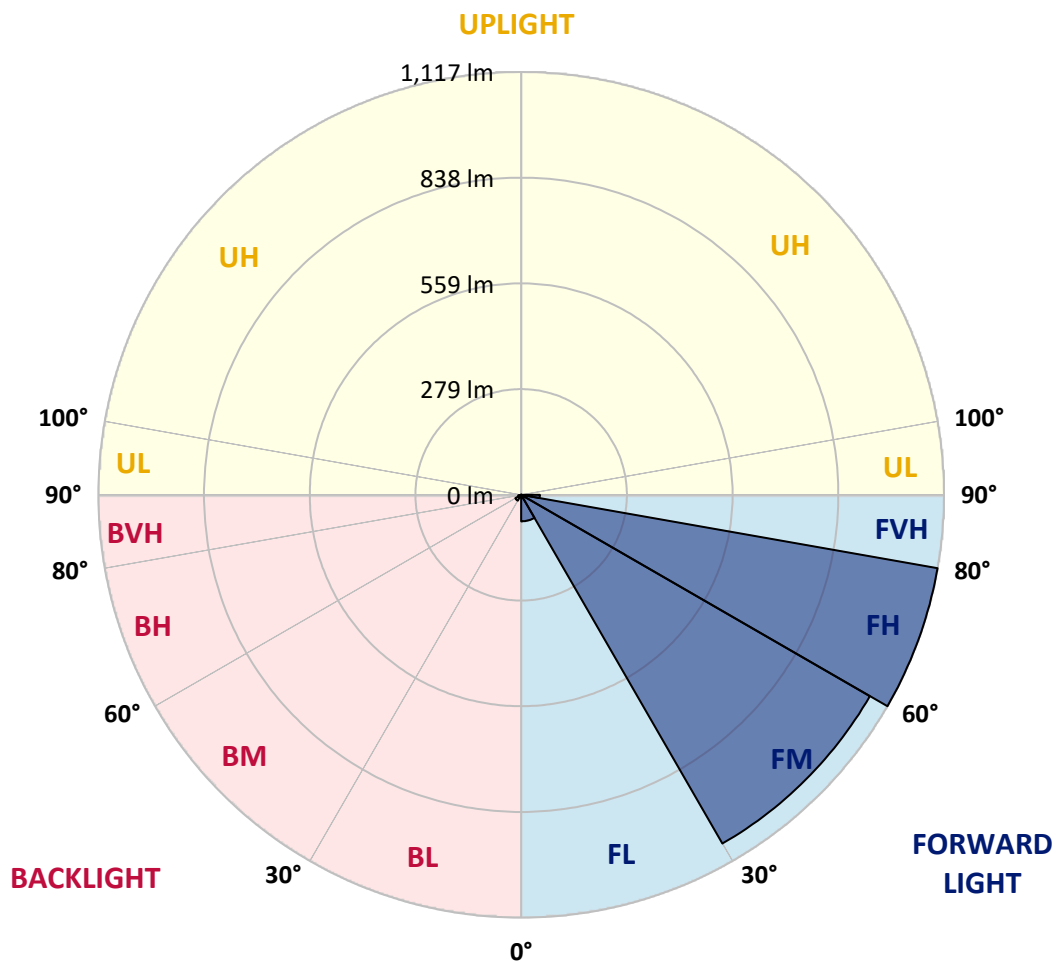
CATALOG NUMBER: UTLD-F02-LED-E-U-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.1	3.0			
FM	(30°-60°)	1063.8	45.6			
FH	(60°-80°)	1117.1	47.9			G1/1800
FVH	(80°-90°)	49.3	2.1			G1/100
BL	(0°-30°)	7.2	0.3	B0/110		
BM	(30°-60°)	17.7	0.8	B0/220		
BH	(60°-80°)	7.9	0.3	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	40.0	40.0	40.0	39.2	38.5	38.5	37.7	36.9	36.9	36.9	36.2
5°	54.3	52.0	50.5	48.3	46.7	46.7	45.2	44.5	43.7	43.0	41.5
7.5°	80.7	79.9	78.4	77.7	76.9	76.2	73.9	73.1	70.9	64.8	49.8
10°	102.5	98.8	98.8	93.5	90.5	87.5	84.4	82.9	82.9	77.7	73.9
12.5°	122.9	123.7	124.4	125.2	122.9	121.4	119.1	116.1	95.8	91.2	91.2
15°	163.6	162.1	159.8	148.5	131.9	128.9	122.9	123.7	134.2	127.4	108.6
17.5°	169.6	169.6	168.1	165.9	162.9	157.6	158.3	153.8	139.5	136.5	135.7
20°	218.7	218.7	215.6	208.1	190.8	165.9	171.2	165.1	165.9	162.9	154.6
22.5°	237.5	238.3	232.2	223.9	211.9	210.4	198.3	173.4	181.0	176.4	178.7
25°	300.8	299.3	291.0	273.7	257.9	220.9	203.6	207.3	196.8	190.8	218.7
27.5°	370.2	368.7	338.5	303.9	279.0	253.3	241.3	219.4	223.9	229.2	238.3
30°	407.9	404.1	389.1	362.7	332.5	299.3	257.9	251.8	246.6	251.1	313.7
32.5°	493.1	492.4	472.0	440.3	403.4	340.8	306.1	294.1	281.2	318.9	364.2
35°	588.1	585.1	570.0	523.3	475.0	427.5	401.9	363.4	374.7	397.4	467.5
37.5°	662.8	662.8	642.4	600.9	579.1	539.9	506.7	500.7	483.3	516.5	599.4
40°	705.0	709.5	714.0	699.7	678.6	662.0	643.9	631.8	638.6	654.5	738.9
42.5°	774.4	782.6	797.0	790.2	780.4	784.2	757.8	764.5	776.6	800.7	887.5
45°	875.4	882.2	898.0	910.1	926.7	917.6	867.8	903.3	928.9	944.8	1036.7
47.5°	975.7	988.5	1009.6	1027.7	1054.1	1045.0	1017.1	1032.2	1057.9	1074.4	1180.8
50°	1063.1	1075.2	1097.8	1125.0	1136.3	1158.1	1147.6	1155.1	1185.3	1198.8	1302.9
52.5°	1128.7	1134.8	1154.4	1185.3	1197.3	1231.3	1235.8	1235.0	1293.9	1315.0	1423.5
55°	1163.4	1169.4	1188.3	1212.4	1228.3	1274.2	1269.7	1282.5	1370.0	1410.0	1546.4
57.5°	1170.2	1177.7	1192.8	1223.0	1235.8	1290.1	1279.5	1309.7	1424.3	1506.5	1676.9
60°	1157.4	1165.7	1178.5	1207.1	1225.2	1277.3	1293.1	1334.6	1479.3	1611.3	1843.5
62.5°	1102.3	1115.2	1122.7	1153.6	1171.0	1214.7	1287.1	1364.0	1540.4	1710.1	2020.7
65°	1017.9	1024.7	1035.2	1057.9	1078.2	1121.9	1218.5	1330.0	1556.2	1771.9	2124.0
66°	978.7	984.7	993.0	1013.4	1035.2	1075.9	1163.4	1273.5	1521.6	1768.9	2127.0
67.5°	902.5	905.5	920.6	936.5	960.6	986.2	1053.3	1162.7	1419.0	1692.7	2070.5
70°	609.2	619.0	660.5	715.5	749.5	745.7	787.9	884.4	1110.6	1376.0	1786.2
72.5°	286.5	289.5	294.8	316.7	441.8	467.5	496.9	579.8	750.2	958.3	1303.7
75°	234.5	237.5	246.6	257.9	284.3	315.2	325.7	358.1	481.8	594.1	797.0
77.5°	79.9	82.2	88.2	104.8	160.6	201.3	237.5	295.6	362.7	422.2	522.5
80°	33.2	35.4	38.5	35.4	41.5	68.6	86.7	126.7	220.9	324.2	413.9
82.5°	18.1	18.8	21.1	19.6	24.1	31.7	33.9	36.9	53.5	108.6	232.2
85°	5.3	5.3	6.0	9.8	14.3	21.1	21.1	20.4	20.4	30.9	58.1
87.5°	1.5	1.5	2.3	3.0	4.5	7.5	9.0	9.0	9.8	12.8	18.8
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	36.2	36.2	36.2	36.2	35.4	35.4	33.2	30.2	27.1	24.1	21.9
5°	40.7	38.5	37.7	37.7	35.4	35.4	34.7	32.4	24.9	21.1	18.8
7.5°	46.0	43.0	41.5	41.5	39.2	36.2	34.7	33.2	25.6	20.4	18.1
10°	72.4	60.3	52.0	49.8	46.7	43.0	40.7	40.7	30.2	24.1	21.9
12.5°	88.2	83.7	78.4	74.6	54.3	49.0	46.7	40.7	31.7	23.4	20.4
15°	101.0	94.2	88.2	86.7	86.0	65.6	56.5	51.3	36.9	30.2	24.9
17.5°	145.5	116.1	106.3	105.6	95.8	72.4	62.6	51.3	40.0	30.2	24.9
20°	153.8	142.5	126.7	129.7	131.2	114.6	89.7	70.1	52.8	40.0	30.2
22.5°	197.5	191.5	181.7	178.7	150.0	131.2	97.3	82.2	57.3	40.0	30.2
25°	226.2	222.4	235.2	233.0	216.4	182.5	133.5	98.0	71.6	46.0	33.9
27.5°	282.0	300.1	275.2	282.7	251.1	219.4	175.7	121.4	76.2	48.3	34.7
30°	320.4	346.1	362.7	358.1	317.4	255.6	195.3	137.2	82.9	48.3	36.2
32.5°	402.6	420.0	423.0	413.9	389.8	322.7	233.7	157.6	86.7	49.8	38.5
35°	478.8	522.5	521.8	523.3	475.0	397.4	282.7	169.6	92.7	49.8	38.5
37.5°	625.8	649.9	646.9	646.2	592.6	485.6	333.3	205.1	99.5	49.8	37.7
40°	767.6	797.0	796.2	787.9	731.4	591.1	418.5	233.7	106.3	51.3	35.4
42.5°	904.8	918.4	941.0	944.0	847.5	712.5	505.2	272.9	113.9	52.8	33.9
45°	1048.1	1033.0	1075.9	1072.9	984.0	841.5	579.1	318.9	125.9	51.3	31.7
47.5°	1192.8	1189.8	1226.7	1199.6	1133.3	995.3	684.6	367.9	133.5	49.0	29.4
50°	1321.0	1345.1	1348.1	1308.2	1274.2	1146.1	824.1	433.5	148.5	45.2	27.9
52.5°	1433.3	1472.5	1433.3	1425.0	1423.5	1266.0	941.7	492.4	162.9	41.5	25.6
55°	1573.6	1602.2	1581.1	1584.1	1599.2	1469.5	1086.5	600.9	187.7	37.7	23.4
57.5°	1753.0	1810.3	1798.3	1851.1	1854.1	1757.6	1292.3	724.6	217.2	34.7	21.1
60°	1991.3	2132.3	2200.9	2259.7	2191.9	2071.2	1520.8	827.1	240.5	31.7	18.8
62.5°	2265.0	2497.2	2619.4	2685.7	2498.7	2240.9	1613.5	870.9	245.8	27.9	16.6
65°	2421.8	2712.1	2875.0	2879.5	2700.8	2292.1	1627.1	869.4	240.5	24.1	14.3
66°	2436.2	2740.0	2900.6	2887.0	2737.0	2298.2	1618.1	855.8	235.2	22.6	13.6
67.5°	2384.1	2688.0	2847.1	2821.4	2715.1	2264.2	1558.5	821.1	224.7	20.4	12.8
70°	2112.7	2385.6	2547.0	2512.3	2519.8	2064.4	1308.2	700.5	196.0	16.6	11.3
72.5°	1665.6	1972.4	2043.3	2017.7	2063.7	1526.8	924.4	491.6	146.3	13.6	9.8
75°	1117.4	1424.3	1473.3	1452.9	1308.2	769.1	367.2	207.3	76.2	11.3	8.3
77.5°	673.3	897.3	884.4	886.7	700.5	312.2	69.4	48.3	25.6	9.0	6.0
80°	492.4	622.8	648.4	664.3	549.7	204.3	38.5	28.7	15.1	6.8	4.5
82.5°	399.6	558.0	620.5	626.6	497.6	162.1	29.4	22.6	11.3	5.3	3.0
85°	109.3	285.0	352.1	334.0	211.9	55.0	21.1	15.1	7.5	3.8	3.0
87.5°	25.6	64.8	82.2	84.4	60.3	20.4	18.1	14.3	5.3	3.0	3.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	21.1	20.4	19.6	18.8	18.8	18.1	18.1	18.1	17.3	18.1	18.1
5°	18.1	17.3	16.6	15.8	15.1	15.1	15.1	15.8	16.6	16.6	16.6
7.5°	17.3	15.8	15.1	15.1	15.1	10.6	7.5	6.8	6.8	6.8	7.5
10°	18.1	15.8	16.6	9.0	6.0	6.0	6.0	6.0	6.0	8.3	9.8
12.5°	18.8	17.3	9.8	9.0	8.3	7.5	9.0	8.3	8.3	9.0	9.0
15°	21.9	13.6	10.6	9.0	10.6	11.3	10.6	9.8	8.3	8.3	9.8
17.5°	18.1	13.6	12.1	13.6	13.6	11.3	9.8	11.3	11.3	10.6	9.8
20°	21.9	18.8	16.6	14.3	12.8	12.1	12.8	11.3	10.6	10.6	11.3
22.5°	23.4	20.4	21.1	18.8	17.3	13.6	12.8	11.3	12.1	11.3	11.3
25°	28.7	28.7	24.9	19.6	18.1	15.8	15.1	12.1	12.1	10.6	11.3
27.5°	30.9	27.9	24.9	22.6	20.4	15.8	15.1	12.8	11.3	11.3	9.8
30°	32.4	28.7	25.6	22.6	19.6	17.3	15.1	12.8	11.3	10.6	10.6
32.5°	34.7	30.2	24.9	21.1	18.8	15.8	15.1	12.1	10.6	9.0	9.0
35°	32.4	27.9	24.1	21.1	17.3	15.1	13.6	11.3	9.0	9.0	8.3
37.5°	30.2	25.6	21.9	19.6	16.6	13.6	12.1	9.8	8.3	7.5	7.5
40°	28.7	24.1	20.4	17.3	14.3	12.1	10.6	8.3	6.8	6.0	6.0
42.5°	26.4	21.9	18.1	15.1	12.8	10.6	9.0	6.8	5.3	4.5	4.5
45°	24.9	20.4	16.6	13.6	10.6	9.0	6.8	5.3	3.8	3.0	3.0
47.5°	23.4	18.8	14.3	11.3	9.0	7.5	5.3	3.8	2.3	2.3	1.5
50°	21.1	16.6	12.8	9.8	7.5	6.0	3.8	2.3	1.5	0.8	0.8
52.5°	19.6	14.3	11.3	8.3	6.0	4.5	3.0	1.5	0.8	0.8	0.8
55°	17.3	12.8	9.8	6.8	5.3	3.0	1.5	0.8	0.8	0.8	0.8
57.5°	15.1	10.6	8.3	6.0	3.8	2.3	1.5	0.8	0.8	0.8	0.0
60°	12.8	9.0	6.8	4.5	3.0	1.5	0.8	0.8	0.8	0.8	0.0
62.5°	11.3	7.5	5.3	3.8	2.3	1.5	0.8	0.8	0.8	0.8	0.0
65°	9.8	6.0	4.5	3.0	1.5	1.5	0.8	0.8	0.8	0.8	0.0
66°	9.0	6.0	3.8	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.0
67.5°	8.3	5.3	3.8	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8
70°	7.5	4.5	3.0	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	6.8	3.8	2.3	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8
75°	4.5	2.3	2.3	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5
77.5°	3.0	2.3	1.5	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5
80°	3.0	2.3	2.3	2.3	2.3	2.3	0.8	2.3	2.3	2.3	1.5
82.5°	2.3	2.3	2.3	2.3	3.0	3.0	0.8	3.0	3.0	2.3	2.3
85°	2.3	2.3	2.3	3.0	3.0	3.8	0.8	3.0	3.0	3.0	3.0
87.5°	2.3	3.0	3.0	3.0	3.8	3.8	1.5	3.8	3.8	3.8	3.0
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):

	160°	165°	170°	175°	180°
0°	27.9	27.9	27.9	27.9	27.9
2.5°	18.1	18.8	18.8	19.6	19.6
5°	15.1	15.1	13.6	13.6	12.8
7.5°	7.5	7.5	8.3	8.3	8.3
10°	10.6	11.3	11.3	11.3	12.1
12.5°	9.0	9.8	10.6	10.6	10.6
15°	10.6	11.3	12.1	12.1	12.1
17.5°	9.8	9.8	10.6	10.6	11.3
20°	11.3	11.3	11.3	11.3	11.3
22.5°	9.8	9.8	11.3	12.1	12.1
25°	11.3	10.6	10.6	11.3	10.6
27.5°	9.8	10.6	11.3	11.3	11.3
30°	9.8	9.8	9.8	9.8	10.6
32.5°	9.8	9.8	9.8	9.8	9.8
35°	8.3	9.0	9.0	9.8	9.8
37.5°	7.5	7.5	8.3	8.3	8.3
40°	6.0	6.0	6.0	6.8	6.8
42.5°	4.5	4.5	4.5	5.3	4.5
45°	3.0	3.0	3.0	3.0	3.0
47.5°	1.5	1.5	2.3	2.3	2.3
50°	0.8	0.8	1.5	1.5	1.5
52.5°	0.8	0.8	0.8	1.5	1.5
55°	0.8	0.8	0.8	0.8	1.5
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
66°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	1.5
72.5°	0.8	0.8	1.5	0.8	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	2.3	2.3	1.5	1.5
82.5°	2.3	2.3	2.3	2.3	1.5
85°	2.3	2.3	3.0	3.0	1.5
87.5°	3.0	3.0	3.0	3.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)