

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: P179397

Luminaire Tested: **UTLD-F02-LED-E-U-T4-HSS-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179397  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)  
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-T4-HSS-7060  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD  
Light Source: (14) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2943 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-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

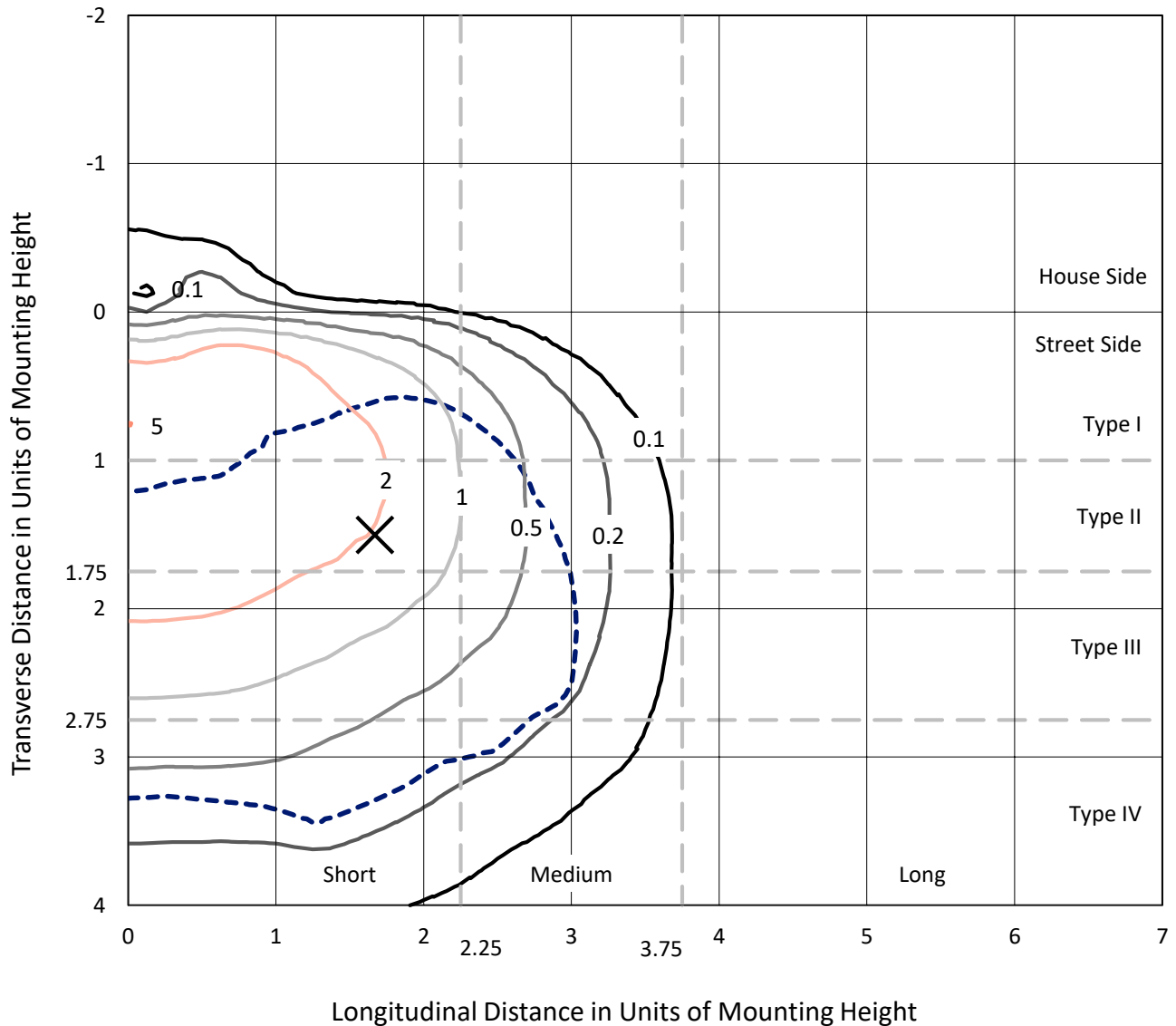


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### Iso-Footcandle Lines of Horizontal Illumination

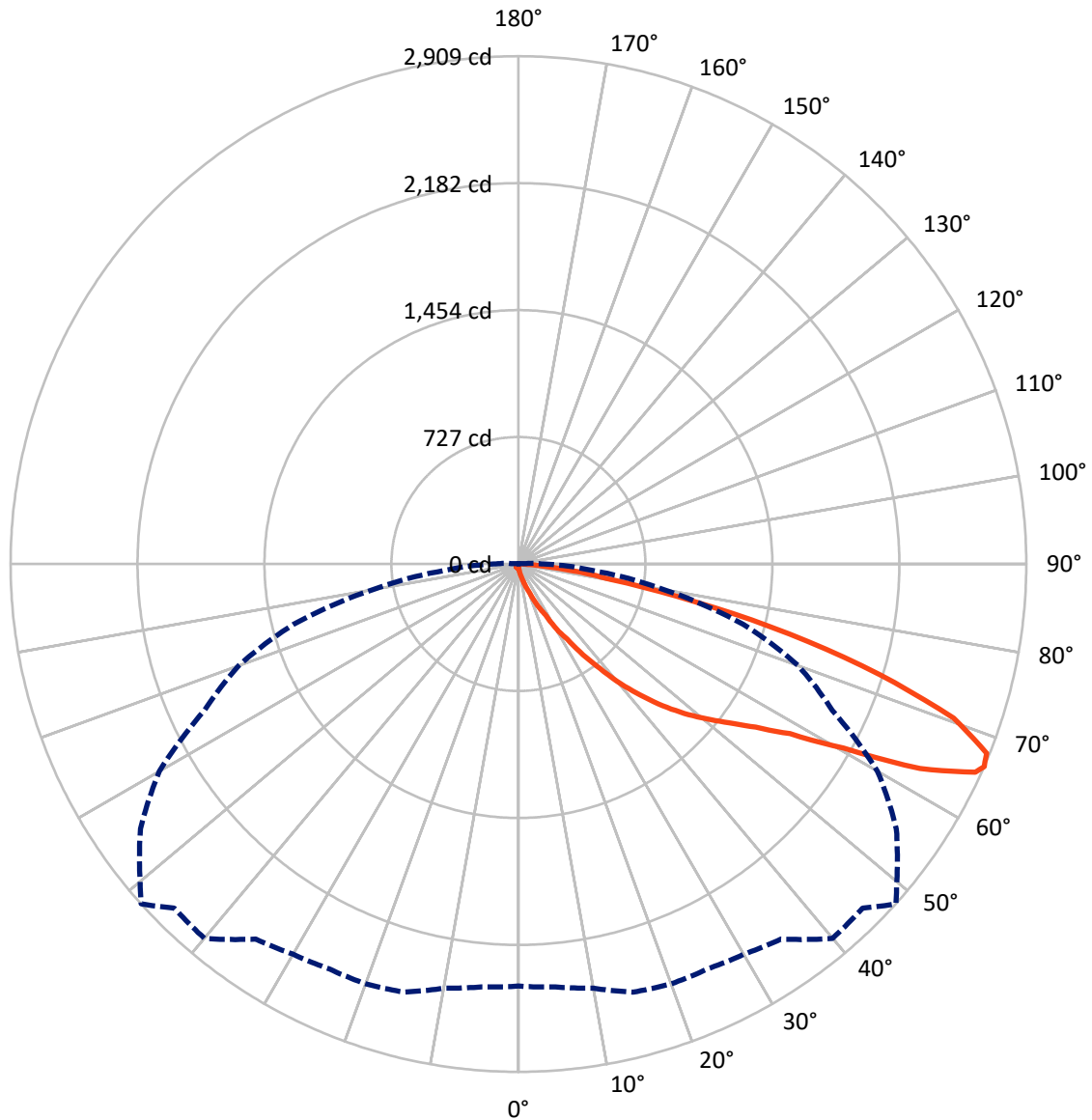
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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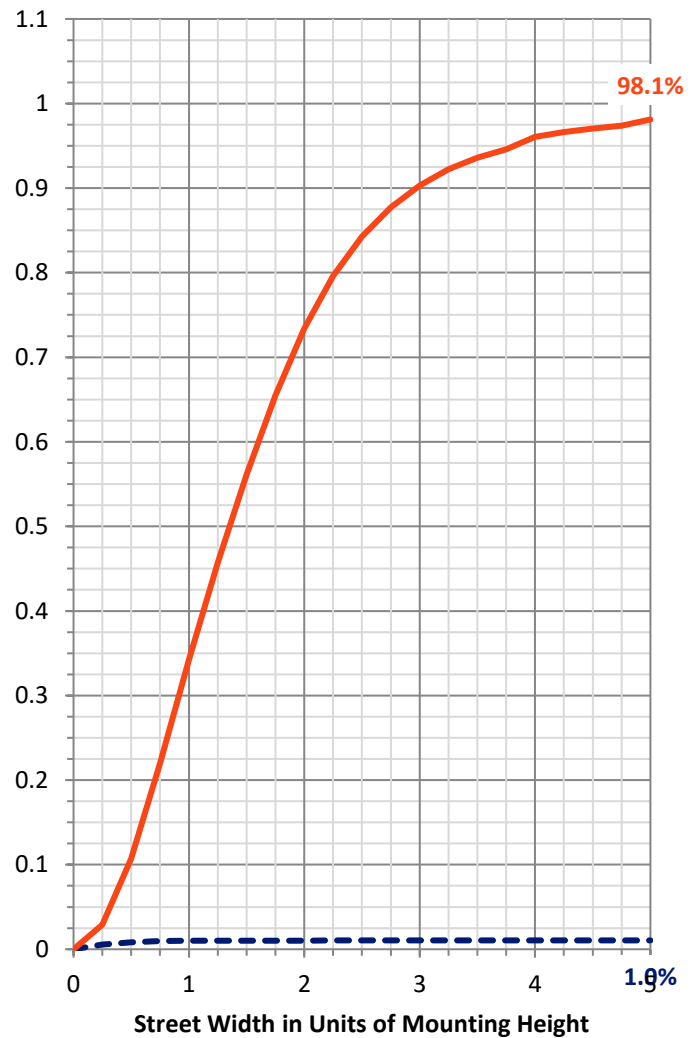
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	31.5	0.0	31.5
	% Fixture	1.1	0.0	1.1
<b>Street Side</b>	Lumens	2911.5	0.0	2911.5
	% Fixture	98.9	0.0	98.9
<b>Total</b>	Lumens	2943.0	0.0	2943.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	18.3	0.6
20°-30°	69.9	2.4
30°-40°	195.8	6.7
40°-50°	380.2	12.9
50°-60°	623.0	21.2
60°-70°	1015.4	34.5
70°-80°	572.3	19.4
80°-90°	65.5	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°	2943.0	100.0
0°-180°	2943.0	100.0



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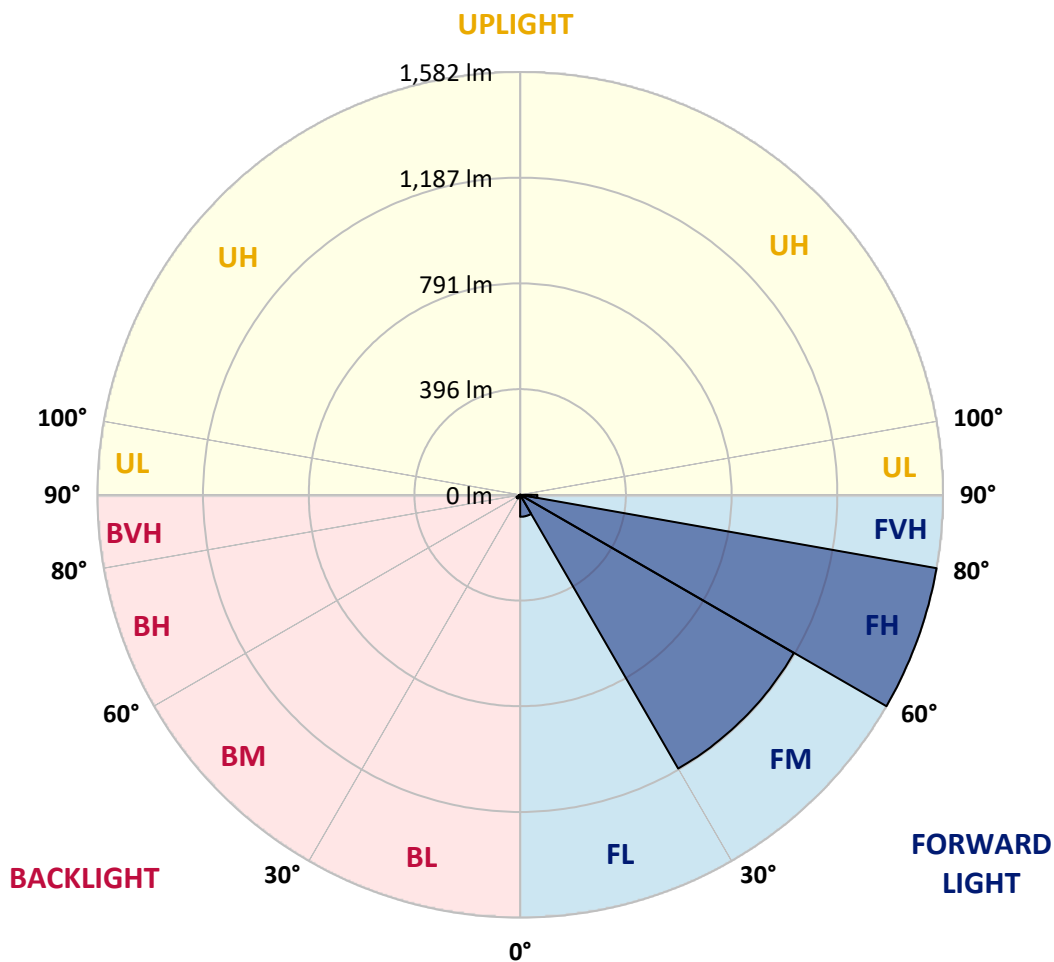
CATALOG NUMBER: UTLD-F02-LED-E-U-T4-HSS-7060

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	82.3	2.8			
FM	(30°-60°)	1182.7	40.2			
FH	(60°-80°)	1582.1	53.8			G1/1800
FVH	(80°-90°)	64.4	2.2			G1/100
BL	(0°-30°)	8.6	0.3	B0/110		
BM	(30°-60°)	16.2	0.6	B0/220		
BH	(60°-80°)	5.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.1	0.0			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	29.6	29.6	29.6	29.6	28.8	28.0	28.0	27.1	27.1	27.1	27.1
5°	43.2	43.2	40.7	39.8	38.1	37.3	35.6	34.7	33.9	32.2	32.2
7.5°	68.6	67.8	67.8	66.9	66.1	64.4	61.8	60.1	57.6	44.0	40.7
10°	87.2	88.1	86.4	85.6	80.5	77.9	74.5	71.2	70.3	64.4	61.0
12.5°	120.3	121.1	119.4	118.6	115.2	112.7	106.7	102.5	85.6	78.8	77.9
15°	172.0	172.0	163.5	146.5	141.5	135.5	126.2	124.5	125.4	114.4	100.0
17.5°	200.8	201.6	199.1	194.8	189.7	183.8	177.9	157.6	146.5	137.2	133.0
20°	273.6	273.6	268.5	260.1	229.6	217.7	216.9	206.7	199.1	175.3	166.0
22.5°	316.0	320.2	314.3	308.3	298.2	301.6	287.2	244.0	244.8	222.8	214.3
25°	415.1	415.9	406.6	399.8	396.4	345.6	332.1	338.8	312.6	284.6	277.8
27.5°	516.7	522.6	466.7	454.0	454.0	443.0	448.1	399.8	393.0	358.3	331.2
30°	593.0	595.5	586.2	564.2	555.7	553.1	509.1	512.5	471.0	417.6	435.4
32.5°	731.0	735.3	717.5	709.0	648.9	626.0	598.9	599.7	548.9	540.4	512.5
35°	898.7	903.0	880.1	808.1	797.9	765.8	750.5	691.2	681.9	637.8	637.8
37.5°	1009.7	995.3	974.1	947.0	953.0	910.6	861.5	852.2	801.3	768.3	759.0
40°	1092.7	1097.0	1095.3	1081.7	1052.1	1012.3	996.2	973.3	931.8	898.7	903.0
42.5°	1164.7	1173.2	1180.0	1160.5	1136.8	1119.8	1097.0	1082.6	1048.7	1007.2	1027.5
45°	1236.7	1243.5	1257.9	1246.0	1229.1	1226.6	1171.5	1185.1	1158.0	1124.9	1158.8
47.5°	1320.6	1327.4	1338.4	1339.2	1337.5	1302.0	1256.2	1276.5	1270.6	1230.8	1278.2
50°	1414.6	1415.5	1434.9	1448.5	1422.2	1394.3	1350.2	1360.4	1369.7	1339.2	1394.3
52.5°	1516.3	1527.3	1541.7	1551.0	1514.6	1501.0	1463.7	1462.1	1481.5	1450.2	1509.5
55°	1670.4	1675.5	1682.3	1685.7	1638.2	1643.3	1589.1	1584.0	1612.8	1578.9	1649.3
57.5°	1864.4	1878.0	1892.4	1885.6	1836.5	1832.2	1758.5	1734.0	1783.9	1763.6	1833.1
60°	2159.2	2171.9	2182.9	2190.5	2163.4	2147.3	2033.8	2016.0	2099.9	2058.4	2141.4
62.5°	2467.5	2481.1	2493.8	2547.2	2519.2	2498.9	2429.4	2429.4	2531.9	2501.4	2581.0
65°	2463.3	2482.8	2511.6	2581.9	2594.6	2585.3	2582.7	2614.9	2774.2	2764.0	2875.8
66°	2417.6	2431.1	2467.5	2538.7	2559.0	2559.9	2581.0	2622.5	2798.7	2787.7	2908.9
67.5°	2310.8	2327.8	2366.7	2451.4	2472.6	2488.7	2543.8	2576.8	2775.0	2768.2	2892.8
70°	2069.4	2077.0	2113.5	2201.5	2252.4	2243.9	2326.9	2339.6	2531.9	2556.5	2644.6
72.5°	1594.2	1584.0	1695.0	1817.0	1900.0	1867.8	1927.9	1931.3	2094.8	2092.3	2162.6
75°	847.9	853.9	923.3	1086.0	1390.1	1399.4	1411.2	1410.4	1543.4	1542.5	1605.2
77.5°	536.2	550.6	576.9	626.0	778.5	889.4	932.6	914.8	973.3	993.6	1025.8
80°	216.9	226.2	257.5	338.0	520.1	563.3	576.9	550.6	561.6	534.5	534.5
82.5°	72.0	72.8	83.0	105.0	266.8	372.7	383.7	324.4	319.3	310.0	310.0
85°	39.0	39.0	40.7	55.1	103.3	200.8	220.2	148.2	145.7	123.7	114.4
87.5°	3.4	4.2	3.4	9.3	16.1	30.5	35.6	37.3	42.4	48.3	39.0
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):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	27.1	27.1	27.1	28.0	28.0	27.1	26.3	23.7	22.9	21.2	19.5
5°	31.3	30.5	28.8	28.0	27.1	26.3	26.3	24.6	21.2	18.6	16.1
7.5°	39.8	35.6	33.0	31.3	28.8	26.3	25.4	25.4	20.3	16.9	15.2
10°	59.3	57.6	44.0	38.1	34.7	32.2	30.5	31.3	25.4	20.3	19.5
12.5°	76.2	72.0	64.4	50.8	39.8	36.4	33.0	29.6	25.4	20.3	17.8
15°	95.7	85.6	77.9	69.5	56.8	46.6	40.7	38.1	31.3	26.3	22.9
17.5°	128.8	125.4	96.6	84.7	72.8	52.5	45.7	37.3	33.0	25.4	22.9
20°	160.9	148.2	126.2	111.0	94.9	73.7	58.4	49.1	39.8	33.9	30.5
22.5°	204.1	192.3	168.6	132.1	112.7	94.0	66.9	58.4	45.7	38.1	33.9
25°	276.1	237.2	209.2	183.8	153.3	123.7	84.7	63.5	50.8	42.4	37.3
27.5°	332.1	309.2	274.5	234.6	179.6	143.2	106.7	72.8	56.8	46.6	39.8
30°	450.6	374.4	362.5	307.5	235.5	170.3	122.0	83.9	59.3	47.4	40.7
32.5°	523.5	498.1	438.8	378.6	309.2	228.7	153.3	93.2	63.5	48.3	43.2
35°	653.1	591.3	559.9	497.2	402.4	293.1	183.8	111.0	63.5	49.1	42.4
37.5°	786.9	721.7	661.6	597.2	486.2	349.0	221.9	125.4	67.8	46.6	39.8
40°	896.2	833.5	751.4	688.7	556.5	407.4	267.7	134.7	65.2	44.9	36.4
42.5°	1019.9	945.3	855.5	787.8	637.8	487.1	304.9	158.4	66.9	43.2	33.0
45°	1135.9	1055.5	964.8	869.9	716.6	563.3	348.1	172.0	72.8	42.4	29.6
47.5°	1244.4	1159.6	1074.1	941.1	814.0	643.8	414.2	205.0	77.9	39.8	27.1
50°	1341.8	1261.3	1166.4	1015.6	893.7	703.9	477.8	228.7	83.9	36.4	24.6
52.5°	1452.7	1369.7	1246.0	1094.4	967.4	781.0	534.5	260.9	91.5	33.0	22.0
55°	1590.0	1485.8	1366.3	1224.0	1053.8	880.1	598.9	291.4	101.6	29.6	19.5
57.5°	1760.2	1672.1	1550.1	1383.3	1183.4	977.5	676.8	330.4	111.0	27.1	17.8
60°	2070.3	1955.9	1840.7	1644.2	1376.5	1133.4	770.8	381.2	126.2	24.6	16.1
62.5°	2509.9	2385.4	2199.0	1914.4	1628.1	1280.8	863.2	432.0	143.2	22.0	15.2
65°	2789.4	2618.3	2369.3	1999.1	1720.4	1348.5	870.8	431.2	144.8	20.3	13.6
66°	2829.2	2642.9	2375.2	1983.9	1706.9	1331.6	850.5	425.2	142.3	18.6	12.7
67.5°	2825.0	2619.2	2331.2	1920.3	1639.1	1271.5	784.4	395.6	134.7	17.8	11.9
70°	2603.9	2398.9	2094.8	1700.9	1433.3	1098.7	674.3	339.7	115.2	15.2	10.2
72.5°	2162.6	1968.6	1693.3	1348.5	1155.4	869.1	516.7	266.8	90.6	12.7	8.5
75°	1597.6	1412.1	1202.8	936.9	760.7	549.8	321.9	172.8	59.3	10.2	6.8
77.5°	997.0	840.3	637.8	476.9	354.9	228.7	113.5	58.4	25.4	8.5	5.1
80°	526.0	428.6	309.2	223.6	164.3	102.5	52.5	27.1	13.6	6.8	3.4
82.5°	303.3	255.0	188.9	140.6	110.1	72.0	39.0	22.0	10.2	4.2	2.5
85°	109.3	94.0	105.0	79.6	60.1	39.8	28.0	17.8	6.8	3.4	2.5
87.5°	40.7	33.0	29.6	25.4	24.6	24.6	22.9	13.6	4.2	2.5	2.5
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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	18.6	16.9	16.9	16.1	16.1	15.2	15.2	15.2	15.2	15.2	16.1
5°	15.2	14.4	14.4	14.4	13.6	13.6	15.2	16.1	16.9	17.8	16.9
7.5°	15.2	14.4	13.6	14.4	16.1	12.7	10.2	9.3	8.5	9.3	9.3
10°	16.9	16.1	17.8	11.9	8.5	7.6	8.5	8.5	8.5	11.0	13.6
12.5°	16.9	17.8	13.6	11.9	11.9	11.0	13.6	11.9	11.9	11.9	11.9
15°	22.9	16.9	14.4	12.7	14.4	15.2	15.2	14.4	12.7	11.9	14.4
17.5°	19.5	17.8	16.9	20.3	18.6	16.1	14.4	16.1	16.9	15.2	13.6
20°	27.1	24.6	23.7	20.3	18.6	18.6	19.5	16.1	15.2	15.2	16.9
22.5°	28.8	26.3	27.1	25.4	24.6	19.5	18.6	17.8	17.8	16.1	16.1
25°	34.7	35.6	31.3	27.1	24.6	22.9	21.2	17.8	17.8	16.1	16.9
27.5°	37.3	34.7	31.3	29.6	27.1	22.0	21.2	18.6	16.9	16.9	15.2
30°	39.0	35.6	33.0	29.6	26.3	23.7	21.2	17.8	16.1	16.1	15.2
32.5°	41.5	37.3	31.3	28.0	25.4	21.2	20.3	16.9	15.2	13.6	13.6
35°	38.1	33.9	29.6	26.3	22.0	19.5	17.8	16.1	13.6	12.7	11.9
37.5°	33.9	29.6	26.3	22.9	20.3	17.8	16.1	13.6	11.9	11.0	10.2
40°	30.5	25.4	22.9	19.5	17.8	15.2	13.6	11.0	9.3	8.5	7.6
42.5°	27.1	22.0	19.5	16.9	14.4	12.7	11.0	8.5	6.8	5.9	5.1
45°	23.7	19.5	16.1	14.4	11.9	10.2	8.5	5.9	4.2	3.4	2.5
47.5°	21.2	16.9	14.4	11.9	10.2	7.6	5.9	3.4	2.5	1.7	0.8
50°	18.6	14.4	11.9	10.2	7.6	5.9	4.2	2.5	1.7	0.8	0.8
52.5°	16.1	12.7	11.0	8.5	6.8	4.2	2.5	1.7	0.8	0.8	0.0
55°	14.4	11.9	9.3	6.8	5.1	3.4	1.7	0.8	0.8	0.0	0.0
57.5°	13.6	11.0	7.6	5.1	4.2	2.5	1.7	0.8	0.8	0.0	0.0
60°	12.7	9.3	5.9	4.2	3.4	1.7	0.8	0.8	0.8	0.0	0.0
62.5°	11.9	7.6	5.1	3.4	2.5	1.7	0.8	0.8	0.8	0.8	0.0
65°	9.3	5.9	3.4	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
66°	8.5	5.1	3.4	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
67.5°	7.6	5.1	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
70°	5.9	3.4	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
72.5°	5.1	3.4	2.5	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
75°	4.2	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
77.5°	3.4	2.5	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
80°	2.5	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	0.8	0.8
82.5°	2.5	1.7	1.7	1.7	1.7	2.5	0.8	1.7	1.7	1.7	1.7
85°	2.5	1.7	1.7	2.5	2.5	2.5	0.8	2.5	2.5	2.5	1.7
87.5°	2.5	2.5	2.5	2.5	3.4	3.4	1.7	3.4	3.4	3.4	2.5
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):**

	160°	165°	170°	175°	180°
0°	22.9	22.9	22.9	22.9	22.9
2.5°	16.1	16.9	16.9	16.9	16.9
5°	16.9	15.2	16.1	16.1	16.1
7.5°	10.2	10.2	10.2	10.2	10.2
10°	14.4	14.4	14.4	14.4	14.4
12.5°	12.7	13.6	13.6	13.6	13.6
15°	15.2	16.1	16.1	16.1	16.9
17.5°	13.6	13.6	15.2	14.4	15.2
20°	16.1	16.1	16.1	16.1	16.1
22.5°	14.4	14.4	16.1	16.9	16.9
25°	16.1	15.2	15.2	15.2	15.2
27.5°	15.2	16.1	16.1	16.1	16.1
30°	14.4	13.6	14.4	14.4	15.2
32.5°	13.6	13.6	13.6	13.6	13.6
35°	11.9	11.9	11.9	12.7	12.7
37.5°	9.3	9.3	10.2	10.2	10.2
40°	7.6	6.8	6.8	7.6	7.6
42.5°	5.1	4.2	4.2	4.2	4.2
45°	2.5	1.7	1.7	1.7	1.7
47.5°	0.8	0.8	0.8	0.8	0.8
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0	0.0
72.5°	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.0	0.0
80°	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.0
85°	1.7	1.7	1.7	1.7	0.0
87.5°	2.5	2.5	2.5	2.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)