

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: P179271

Luminaire Tested: **UTLD-E02-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179271
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-E02-LED-E-U-SL3-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3176.9 lumens
Efficiency: N/A
Efficacy: 61.0 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): 52.1
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



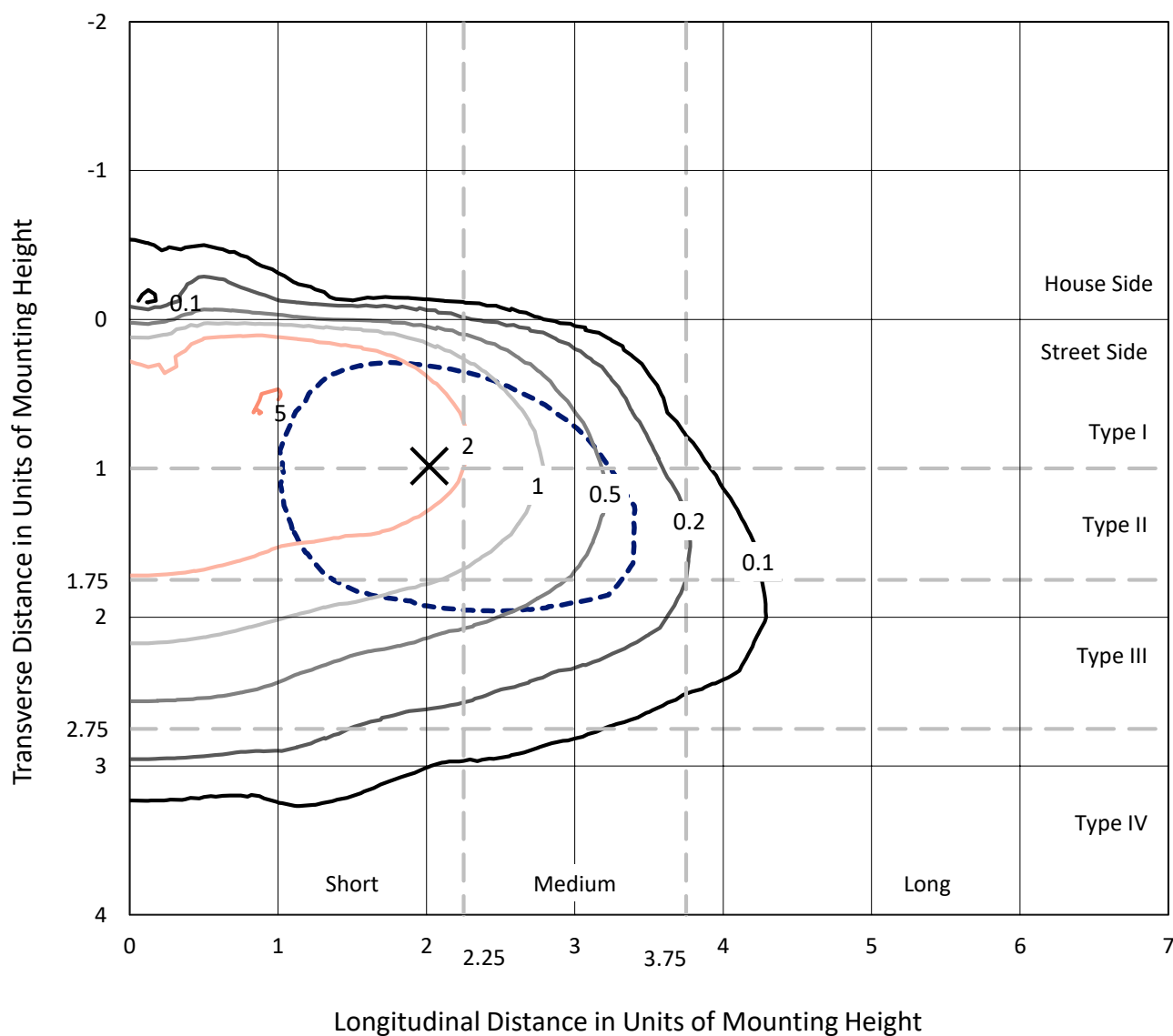
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

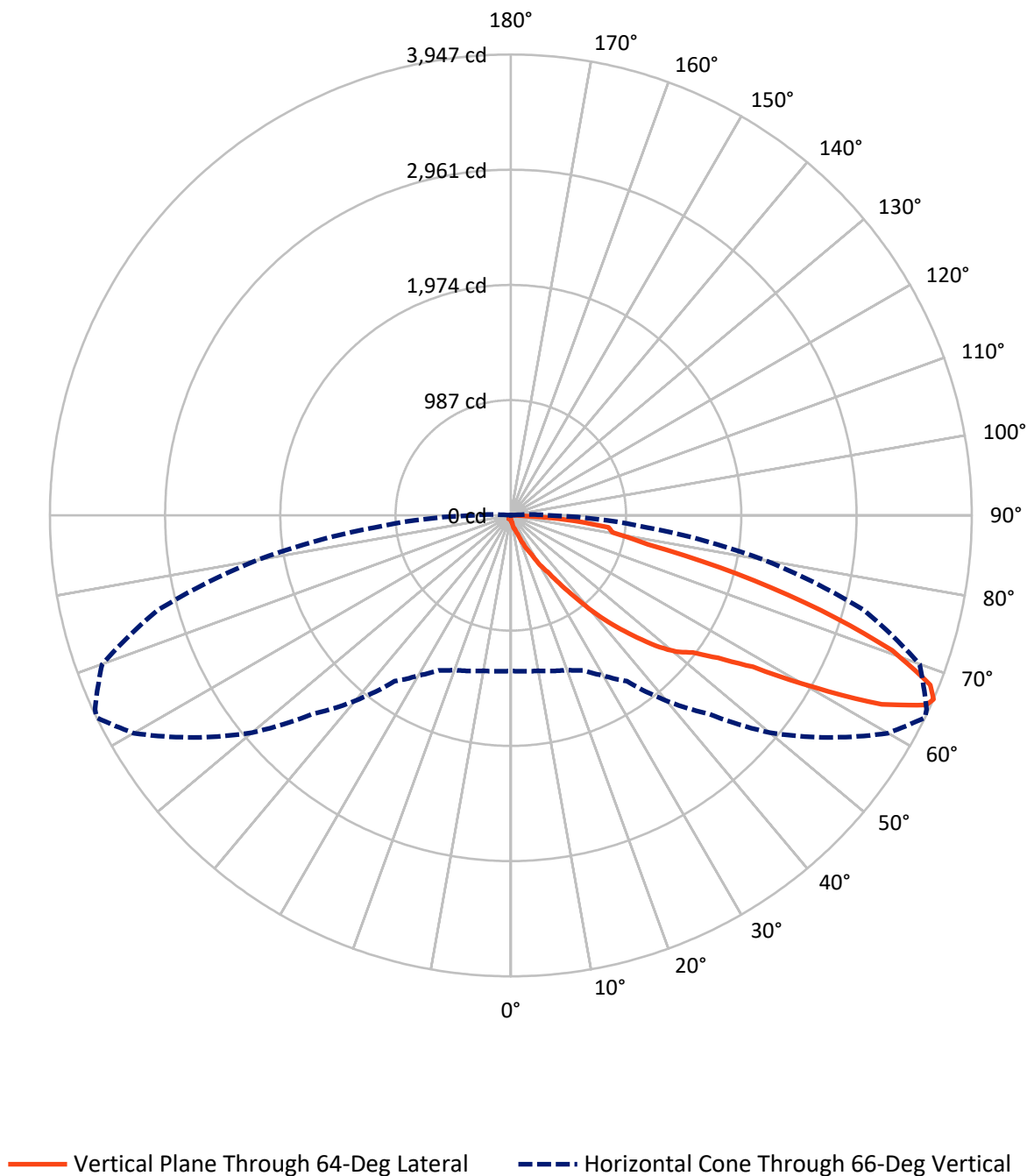


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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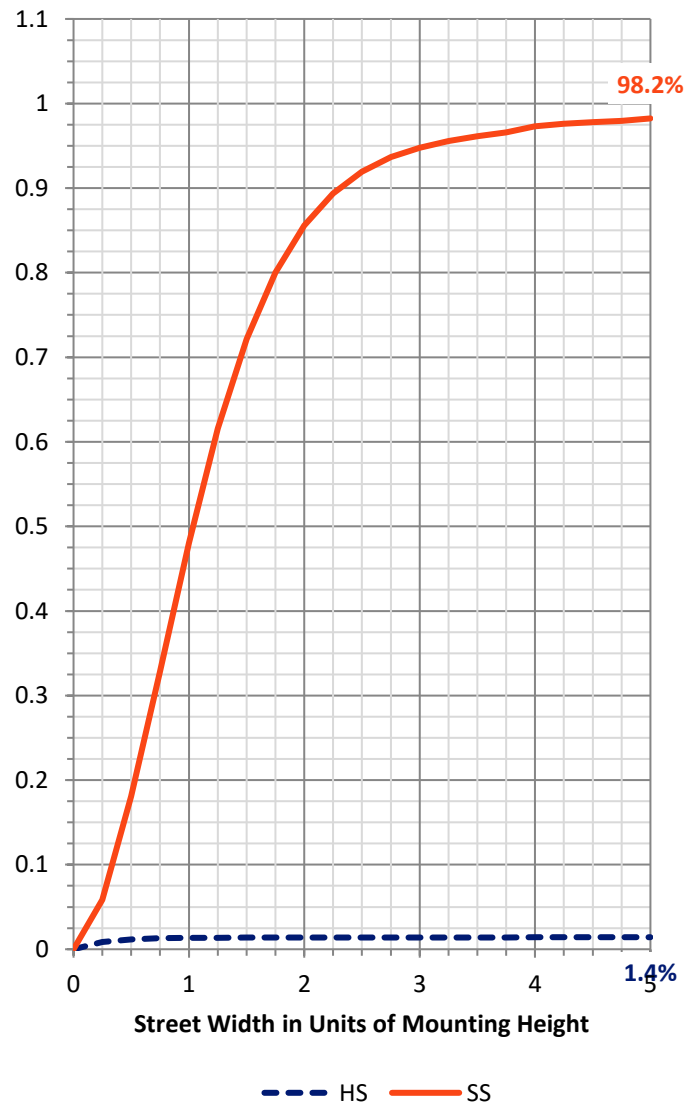
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46.4	0.0	46.4
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	3130.5	0.0	3130.5
	% Fixture	98.5	0.0	98.5
Total	Lumens	3176.9	0.0	3176.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	24.8	0.8
20°-30°	75.9	2.4
30°-40°	201.8	6.4
40°-50°	469.4	14.8
50°-60°	800.5	25.2
60°-70°	1056.8	33.3
70°-80°	474.2	14.9
80°-90°	69.0	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°	3176.9	100.0
0°-180°	3176.9	100.0

Coefficient of Utilization



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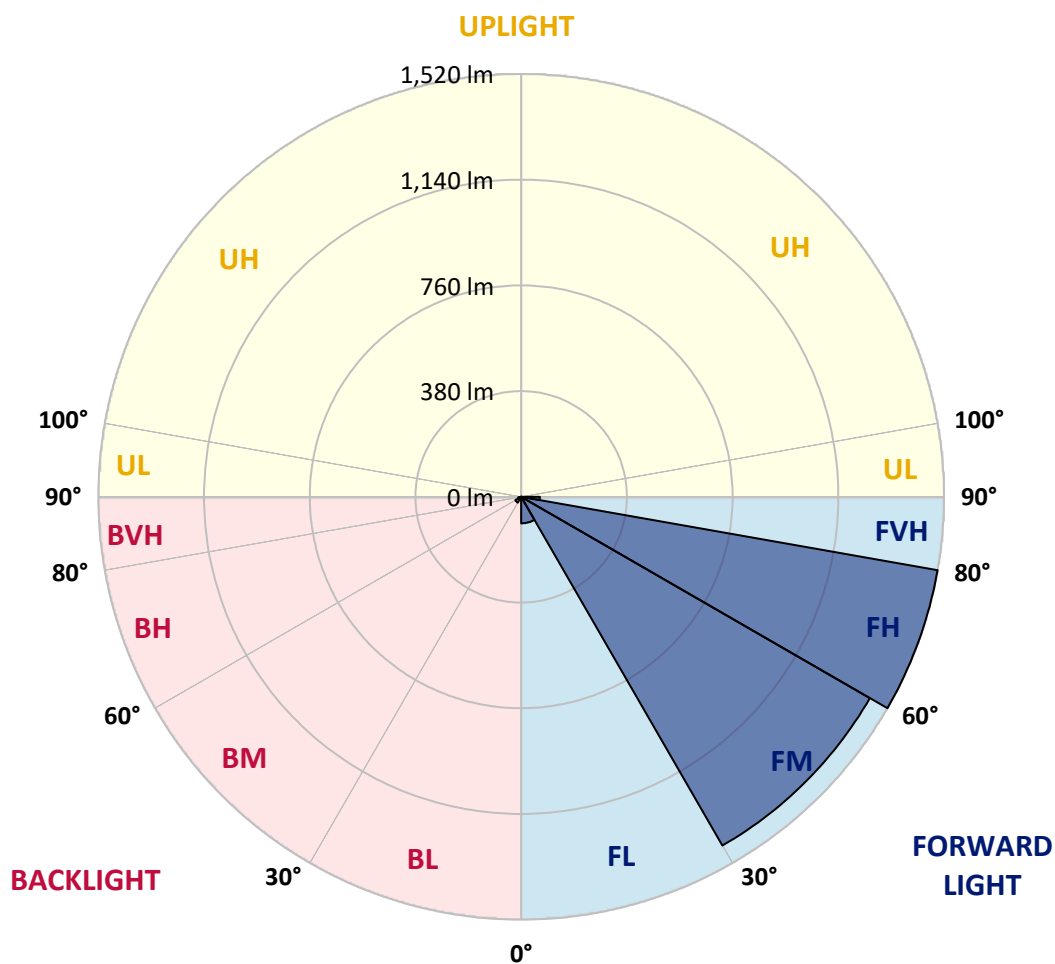
CATALOG NUMBER: UTLD-E02-LED-E-U-SL3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	95.4	3.0			
FM	(30°-60°)	1447.7	45.6			
FH	(60°-80°)	1520.3	47.9			G1/1800
FVH	(80°-90°)	67.1	2.1			G1/100
BL	(0°-30°)	9.8	0.3	B0/110		
BM	(30°-60°)	24.1	0.8	B0/220		
BH	(60°-80°)	10.7	0.3	B0/110		G0/110
BVH	(80°-90°)	1.9	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°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
2.5°	54.4	54.4	54.4	53.4	52.3	52.3	51.3	50.3	50.3	50.3	49.3
5°	73.9	70.8	68.7	65.7	63.6	63.6	61.6	60.5	59.5	58.5	56.4
7.5°	109.8	108.8	106.7	105.7	104.7	103.6	100.6	99.5	96.5	88.2	67.7
10°	139.6	134.4	134.4	127.2	123.1	119.0	114.9	112.9	112.9	105.7	100.6
12.5°	167.3	168.3	169.3	170.3	167.3	165.2	162.1	158.0	130.3	124.2	124.2
15°	222.7	220.6	217.5	202.1	179.6	175.5	167.3	168.3	182.6	173.4	147.8
17.5°	230.9	230.9	228.8	225.7	221.6	214.5	215.5	209.3	189.8	185.7	184.7
20°	297.6	297.6	293.5	283.2	259.6	225.7	232.9	224.7	225.7	221.6	210.4
22.5°	323.2	324.2	316.0	304.8	288.3	286.3	269.9	236.0	246.3	240.1	243.2
25°	409.4	407.4	396.1	372.5	350.9	300.6	277.0	282.2	267.8	259.6	297.6
27.5°	503.8	501.8	460.7	413.5	379.7	344.8	328.4	298.6	304.8	311.9	324.2
30°	555.1	550.0	529.5	493.6	452.5	407.4	350.9	342.7	335.5	341.7	426.9
32.5°	671.1	670.0	642.3	599.2	549.0	463.8	416.6	400.2	382.7	434.0	495.6
35°	800.4	796.3	775.7	712.1	646.4	581.8	546.9	494.6	510.0	540.8	636.2
37.5°	901.9	901.9	874.2	817.8	788.0	734.7	689.5	681.3	657.7	702.9	815.8
40°	959.4	965.6	971.7	952.2	923.5	900.9	876.3	859.9	869.1	890.7	1005.6
42.5°	1053.8	1065.1	1084.6	1075.4	1062.0	1067.1	1031.2	1040.5	1056.9	1089.7	1207.7
45°	1191.3	1200.5	1222.1	1238.5	1261.1	1248.8	1181.0	1229.3	1264.2	1285.7	1410.9
47.5°	1327.8	1345.2	1374.0	1398.6	1434.5	1422.2	1384.2	1404.7	1439.6	1462.2	1606.9
50°	1446.8	1463.2	1494.0	1530.9	1546.3	1576.1	1561.7	1572.0	1613.0	1631.5	1773.1
52.5°	1536.1	1544.3	1571.0	1613.0	1629.5	1675.6	1681.8	1680.8	1760.8	1789.5	1937.3
55°	1583.3	1591.5	1617.1	1650.0	1671.5	1734.1	1728.0	1745.4	1864.4	1918.8	2104.5
57.5°	1592.5	1602.8	1623.3	1664.3	1681.8	1755.7	1741.3	1782.3	1938.3	2050.2	2282.1
60°	1575.1	1586.4	1603.8	1642.8	1667.4	1738.2	1759.8	1816.2	2013.2	2192.8	2508.8
62.5°	1500.2	1517.6	1527.9	1569.9	1593.5	1653.1	1751.6	1856.2	2096.3	2327.2	2750.0
65°	1385.2	1394.5	1408.8	1439.6	1467.3	1526.8	1658.2	1810.0	2117.9	2411.3	2890.5
66°	1331.9	1340.1	1351.4	1379.1	1408.8	1464.3	1583.3	1733.1	2070.7	2407.2	2894.6
67.5°	1228.2	1232.4	1252.9	1274.4	1307.3	1342.1	1433.5	1582.3	1931.1	2303.6	2817.7
70°	829.1	842.4	898.9	973.8	1019.9	1014.8	1072.3	1203.6	1511.5	1872.6	2430.8
72.5°	389.9	394.0	401.2	431.0	601.3	636.2	676.2	789.1	1021.0	1304.2	1774.1
75°	319.1	323.2	335.5	350.9	386.8	428.9	443.3	487.4	655.7	808.6	1084.6
77.5°	108.8	111.8	120.1	142.6	218.6	274.0	323.2	402.2	493.6	574.6	711.1
80°	45.1	48.2	52.3	48.2	56.4	93.4	118.0	172.4	300.6	441.2	563.3
82.5°	24.6	25.7	28.7	26.7	32.8	43.1	46.2	50.3	72.9	147.8	316.0
85°	7.2	7.2	8.2	13.3	19.5	28.7	28.7	27.7	27.7	42.1	79.0
87.5°	2.1	2.1	3.1	4.1	6.2	10.3	12.3	12.3	13.3	17.4	25.7
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°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
2.5°	49.3	49.3	49.3	49.3	48.2	48.2	45.1	41.0	36.9	32.8	29.8
5°	55.4	52.3	51.3	51.3	48.2	48.2	47.2	44.1	33.9	28.7	25.7
7.5°	62.6	58.5	56.4	56.4	53.4	49.3	47.2	45.1	34.9	27.7	24.6
10°	98.5	82.1	70.8	67.7	63.6	58.5	55.4	55.4	41.0	32.8	29.8
12.5°	120.1	113.9	106.7	101.6	73.9	66.7	63.6	55.4	43.1	31.8	27.7
15°	137.5	128.3	120.1	118.0	117.0	89.3	77.0	69.8	50.3	41.0	33.9
17.5°	198.0	158.0	144.7	143.7	130.3	98.5	85.2	69.8	54.4	41.0	33.9
20°	209.3	193.9	172.4	176.5	178.5	156.0	122.1	95.4	71.8	54.4	41.0
22.5°	268.8	260.6	247.3	243.2	204.2	178.5	132.4	111.8	78.0	54.4	41.0
25°	307.8	302.7	320.1	317.1	294.5	248.3	181.6	133.4	97.5	62.6	46.2
27.5°	383.8	408.4	374.5	384.8	341.7	298.6	239.1	165.2	103.6	65.7	47.2
30°	436.1	471.0	493.6	487.4	432.0	347.8	265.8	186.8	112.9	65.7	49.3
32.5°	547.9	571.5	575.6	563.3	530.5	439.2	318.1	214.5	118.0	67.7	52.3
35°	651.6	711.1	710.1	712.1	646.4	540.8	384.8	230.9	126.2	67.7	52.3
37.5°	851.7	884.5	880.4	879.4	806.5	660.8	453.5	279.1	135.4	67.7	51.3
40°	1044.6	1084.6	1083.6	1072.3	995.3	804.5	569.5	318.1	144.7	69.8	48.2
42.5°	1231.3	1249.8	1280.6	1284.7	1153.3	969.7	687.5	371.5	154.9	71.8	46.2
45°	1426.3	1405.8	1464.3	1460.1	1339.1	1145.1	788.0	434.0	171.4	69.8	43.1
47.5°	1623.3	1619.2	1669.5	1632.5	1542.2	1354.5	931.7	500.7	181.6	66.7	40.0
50°	1797.7	1830.6	1834.7	1780.3	1734.1	1559.7	1121.5	590.0	202.1	61.6	38.0
52.5°	1950.6	2004.0	1950.6	1939.3	1937.3	1722.8	1281.6	670.0	221.6	56.4	34.9
55°	2141.5	2180.5	2151.7	2155.8	2176.4	1999.9	1478.6	817.8	255.5	51.3	31.8
57.5°	2385.7	2463.7	2447.3	2519.1	2523.2	2391.9	1758.7	986.1	295.5	47.2	28.7
60°	2709.9	2901.8	2995.2	3075.2	2982.9	2818.7	2069.7	1125.6	327.3	43.1	25.7
62.5°	3082.4	3398.5	3564.7	3655.0	3400.5	3049.6	2195.9	1185.2	334.5	38.0	22.6
65°	3295.9	3690.9	3912.5	3918.7	3675.5	3119.4	2214.3	1183.1	327.3	32.8	19.5
66°	3315.3	3728.9	3947.4	3929.0	3724.8	3127.6	2202.0	1164.6	320.1	30.8	18.5
67.5°	3244.5	3658.1	3874.6	3839.7	3695.0	3081.4	2121.0	1117.4	305.8	27.7	17.4
70°	2875.1	3246.6	3466.2	3419.0	3429.2	2809.5	1780.3	953.3	266.8	22.6	15.4
72.5°	2266.7	2684.3	2780.7	2745.9	2808.5	2077.9	1258.0	669.0	199.1	18.5	13.3
75°	1520.7	1938.3	2005.0	1977.3	1780.3	1046.6	499.7	282.2	103.6	15.4	11.3
77.5°	916.3	1221.1	1203.6	1206.7	953.3	424.8	94.4	65.7	34.9	12.3	8.2
80°	670.0	847.6	882.5	904.0	748.0	278.1	52.3	39.0	20.5	9.2	6.2
82.5°	543.8	759.3	844.5	852.7	677.2	220.6	40.0	30.8	15.4	7.2	4.1
85°	148.8	387.9	479.2	454.6	288.3	74.9	28.7	20.5	10.3	5.1	4.1
87.5°	34.9	88.2	111.8	114.9	82.1	27.7	24.6	19.5	7.2	4.1	4.1
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°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
2.5°	28.7	27.7	26.7	25.7	25.7	24.6	24.6	24.6	23.6	24.6	24.6
5°	24.6	23.6	22.6	21.5	20.5	20.5	20.5	21.5	22.6	22.6	22.6
7.5°	23.6	21.5	20.5	20.5	20.5	14.4	10.3	9.2	9.2	9.2	10.3
10°	24.6	21.5	22.6	12.3	8.2	8.2	8.2	8.2	8.2	11.3	13.3
12.5°	25.7	23.6	13.3	12.3	11.3	10.3	12.3	11.3	11.3	12.3	12.3
15°	29.8	18.5	14.4	12.3	14.4	15.4	14.4	13.3	11.3	11.3	13.3
17.5°	24.6	18.5	16.4	18.5	18.5	15.4	13.3	15.4	15.4	14.4	13.3
20°	29.8	25.7	22.6	19.5	17.4	16.4	17.4	15.4	14.4	14.4	15.4
22.5°	31.8	27.7	28.7	25.7	23.6	18.5	17.4	15.4	16.4	15.4	15.4
25°	39.0	39.0	33.9	26.7	24.6	21.5	20.5	16.4	16.4	14.4	15.4
27.5°	42.1	38.0	33.9	30.8	27.7	21.5	20.5	17.4	15.4	15.4	13.3
30°	44.1	39.0	34.9	30.8	26.7	23.6	20.5	17.4	15.4	14.4	14.4
32.5°	47.2	41.0	33.9	28.7	25.7	21.5	20.5	16.4	14.4	12.3	12.3
35°	44.1	38.0	32.8	28.7	23.6	20.5	18.5	15.4	12.3	12.3	11.3
37.5°	41.0	34.9	29.8	26.7	22.6	18.5	16.4	13.3	11.3	10.3	10.3
40°	39.0	32.8	27.7	23.6	19.5	16.4	14.4	11.3	9.2	8.2	8.2
42.5°	35.9	29.8	24.6	20.5	17.4	14.4	12.3	9.2	7.2	6.2	6.2
45°	33.9	27.7	22.6	18.5	14.4	12.3	9.2	7.2	5.1	4.1	4.1
47.5°	31.8	25.7	19.5	15.4	12.3	10.3	7.2	5.1	3.1	3.1	2.1
50°	28.7	22.6	17.4	13.3	10.3	8.2	5.1	3.1	2.1	1.0	1.0
52.5°	26.7	19.5	15.4	11.3	8.2	6.2	4.1	2.1	1.0	1.0	1.0
55°	23.6	17.4	13.3	9.2	7.2	4.1	2.1	1.0	1.0	1.0	1.0
57.5°	20.5	14.4	11.3	8.2	5.1	3.1	2.1	1.0	1.0	1.0	0.0
60°	17.4	12.3	9.2	6.2	4.1	2.1	1.0	1.0	1.0	1.0	0.0
62.5°	15.4	10.3	7.2	5.1	3.1	2.1	1.0	1.0	1.0	1.0	0.0
65°	13.3	8.2	6.2	4.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0
66°	12.3	8.2	5.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0
67.5°	11.3	7.2	5.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
70°	10.3	6.2	4.1	3.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	9.2	5.1	3.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
75°	6.2	3.1	3.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1
77.5°	4.1	3.1	2.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1
80°	4.1	3.1	3.1	3.1	3.1	3.1	1.0	3.1	3.1	3.1	2.1
82.5°	3.1	3.1	3.1	3.1	4.1	4.1	1.0	4.1	4.1	3.1	3.1
85°	3.1	3.1	3.1	4.1	4.1	5.1	1.0	4.1	4.1	4.1	4.1
87.5°	3.1	4.1	4.1	4.1	5.1	5.1	2.1	5.1	5.1	5.1	4.1
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°	38.0	38.0	38.0	38.0	38.0
2.5°	24.6	25.7	25.7	26.7	26.7
5°	20.5	20.5	18.5	18.5	17.4
7.5°	10.3	10.3	11.3	11.3	11.3
10°	14.4	15.4	15.4	15.4	16.4
12.5°	12.3	13.3	14.4	14.4	14.4
15°	14.4	15.4	16.4	16.4	16.4
17.5°	13.3	13.3	14.4	14.4	15.4
20°	15.4	15.4	15.4	15.4	15.4
22.5°	13.3	13.3	15.4	16.4	16.4
25°	15.4	14.4	14.4	15.4	14.4
27.5°	13.3	14.4	15.4	15.4	15.4
30°	13.3	13.3	13.3	13.3	14.4
32.5°	13.3	13.3	13.3	13.3	13.3
35°	11.3	12.3	12.3	13.3	13.3
37.5°	10.3	10.3	11.3	11.3	11.3
40°	8.2	8.2	8.2	9.2	9.2
42.5°	6.2	6.2	6.2	7.2	6.2
45°	4.1	4.1	4.1	4.1	4.1
47.5°	2.1	2.1	3.1	3.1	3.1
50°	1.0	1.0	2.1	2.1	2.1
52.5°	1.0	1.0	1.0	2.1	2.1
55°	1.0	1.0	1.0	1.0	2.1
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
66°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	2.1
72.5°	1.0	1.0	2.1	1.0	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	3.1	3.1	2.1	2.1
82.5°	3.1	3.1	3.1	3.1	2.1
85°	3.1	3.1	4.1	4.1	2.1
87.5°	4.1	4.1	4.1	4.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)