

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: P179268

Luminaire Tested: **UTLD-E02-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179268
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2613 lumens
Efficiency: N/A
Efficacy: 50.2 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



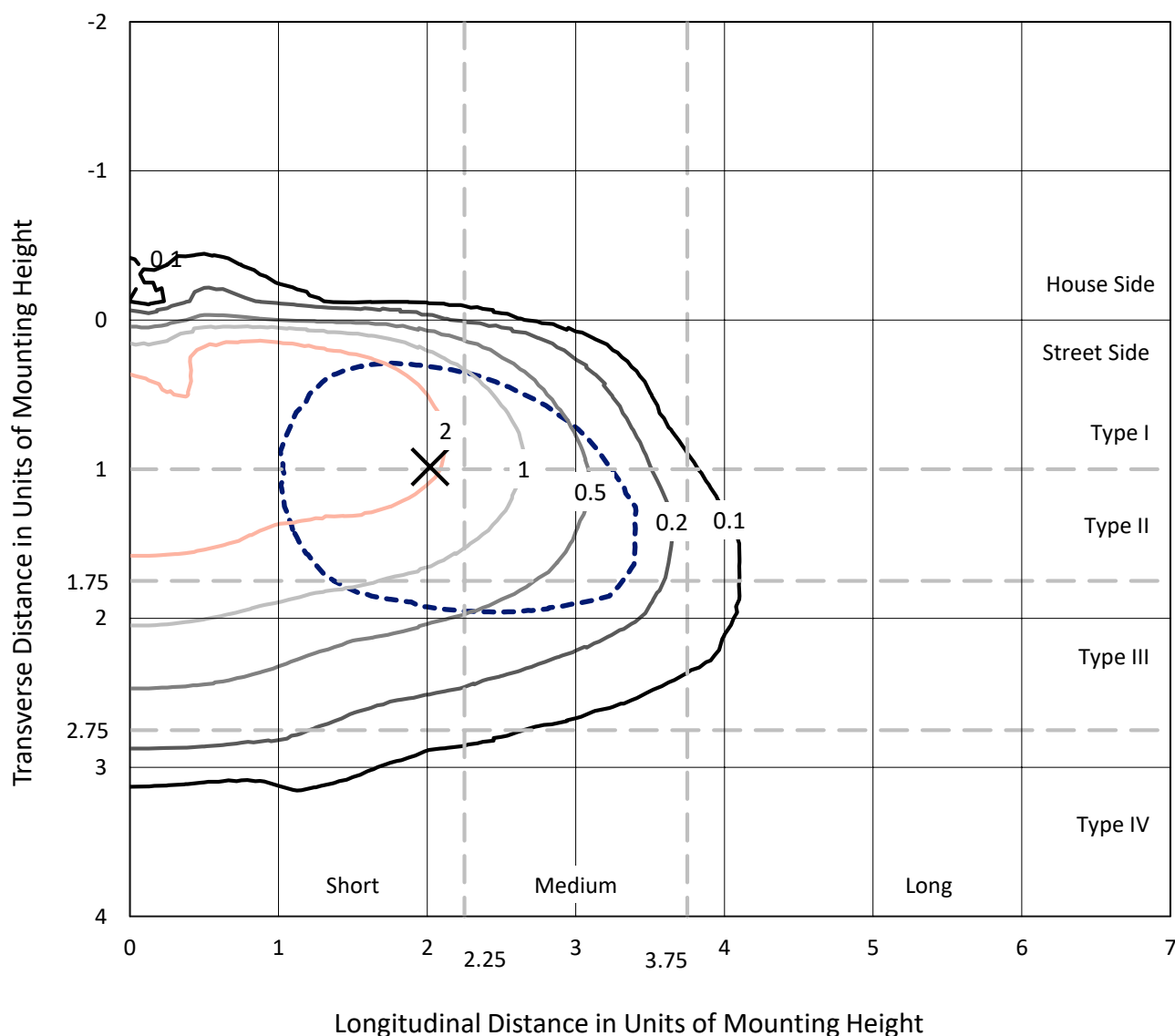
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

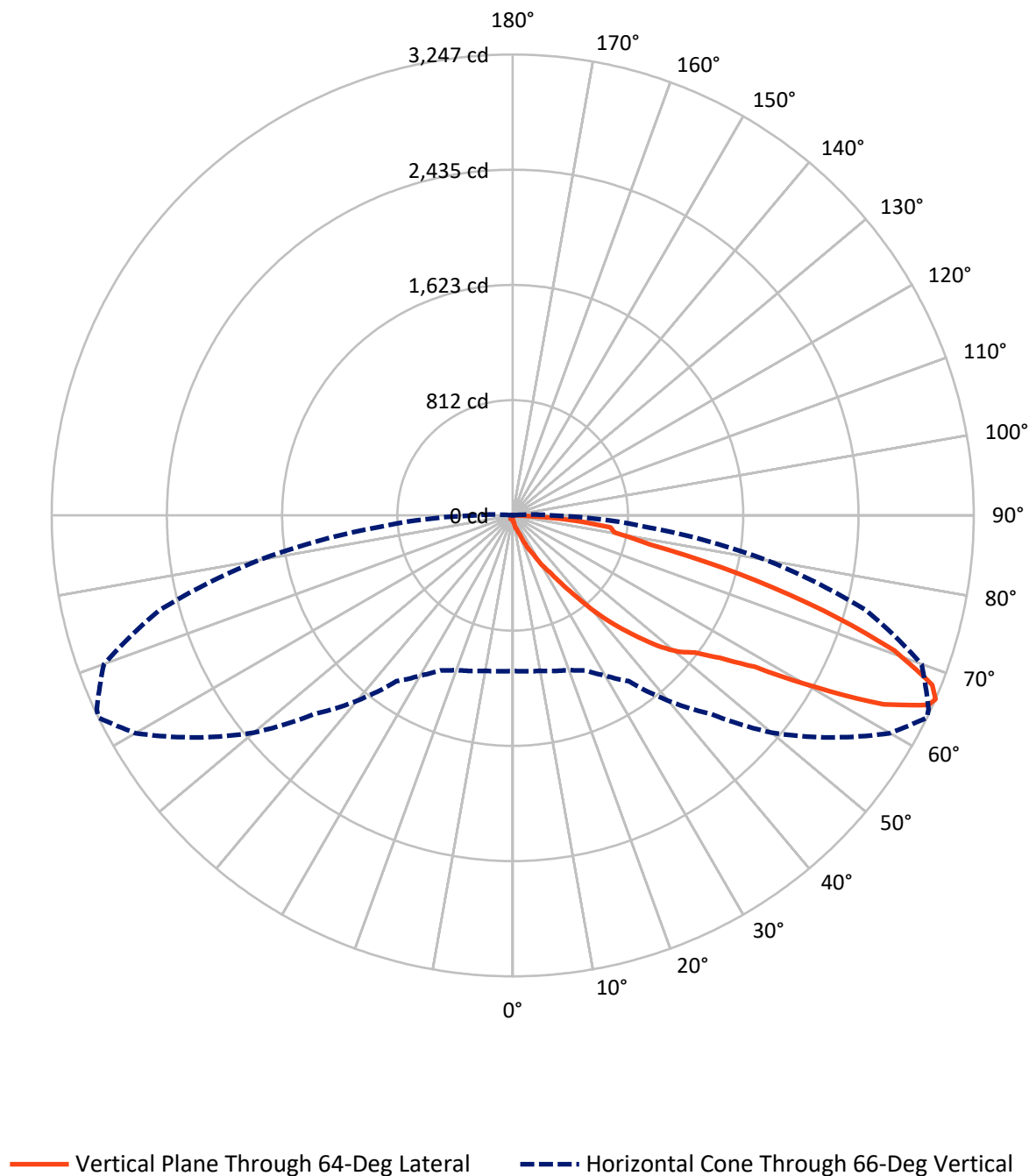


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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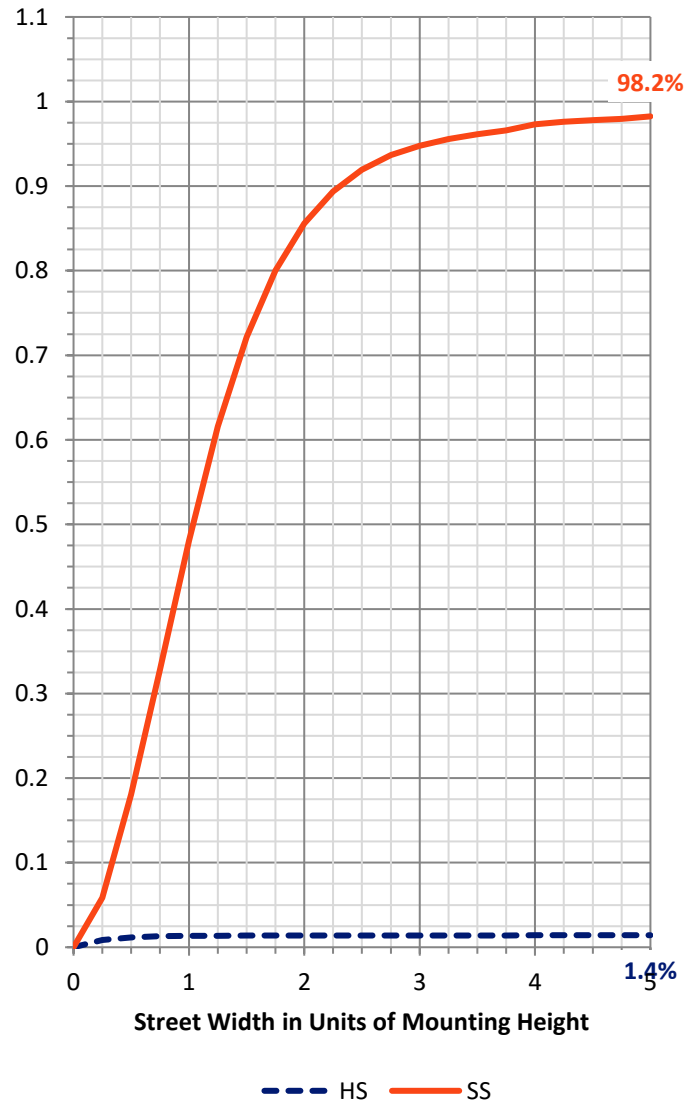
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.1	0.0	38.1
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	2574.9	0.0	2574.9
	% Fixture	98.5	0.0	98.5
Total	Lumens	2613.0	0.0	2613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	20.4	0.8
20°-30°	62.4	2.4
30°-40°	166.0	6.4
40°-50°	386.1	14.8
50°-60°	658.4	25.2
60°-70°	869.2	33.3
70°-80°	390.0	14.9
80°-90°	56.8	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°	2613.0	100.0
0°-180°	2613.0	100.0

Coefficient of Utilization



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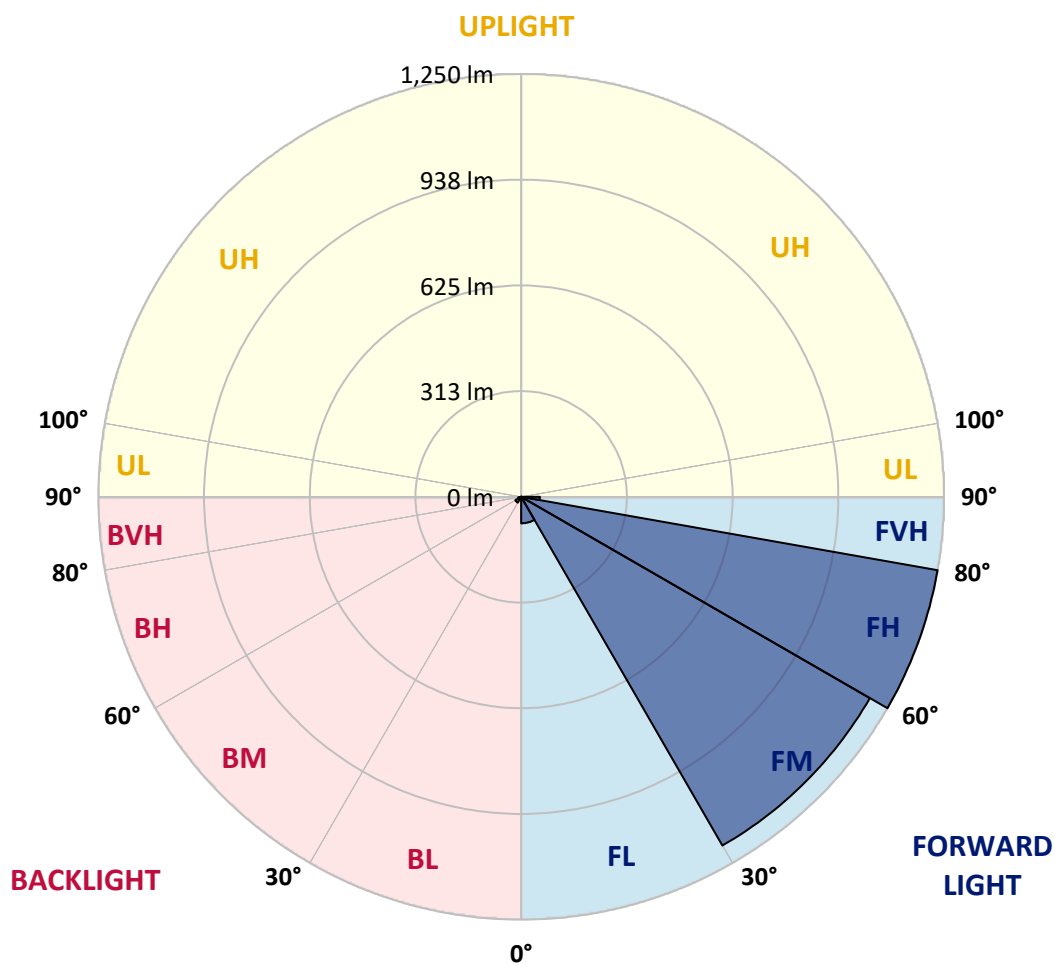
CATALOG NUMBER: UTLD-E02-LED-E-U-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.4	3.0			
FM	(30°-60°)	1190.7	45.6			
FH	(60°-80°)	1250.5	47.9			G1/1800
FVH	(80°-90°)	55.2	2.1			G1/100
BL	(0°-30°)	8.0	0.3	B0/110		
BM	(30°-60°)	19.8	0.8	B0/220		
BH	(60°-80°)	8.8	0.3	B0/110		G0/110
BVH	(80°-90°)	1.5	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°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	44.7	44.7	44.7	43.9	43.0	43.0	42.2	41.4	41.4	41.4	40.5
5°	60.8	58.2	56.5	54.0	52.3	52.3	50.6	49.8	49.0	48.1	46.4
7.5°	90.3	89.5	87.8	86.9	86.1	85.2	82.7	81.9	79.3	72.6	55.7
10°	114.8	110.6	110.6	104.7	101.3	97.9	94.5	92.8	92.8	86.9	82.7
12.5°	137.6	138.4	139.3	140.1	137.6	135.9	133.4	130.0	107.2	102.1	102.1
15°	183.1	181.5	178.9	166.3	147.7	144.3	137.6	138.4	150.2	142.6	121.5
17.5°	189.9	189.9	188.2	185.7	182.3	176.4	177.2	172.2	156.1	152.8	151.9
20°	244.8	244.8	241.4	232.9	213.5	185.7	191.6	184.8	185.7	182.3	173.0
22.5°	265.9	266.7	259.9	250.7	237.2	235.5	222.0	194.1	202.6	197.5	200.0
25°	336.8	335.1	325.8	306.4	288.6	247.3	227.9	232.1	220.3	213.5	244.8
27.5°	414.4	412.7	379.0	340.1	312.3	283.6	270.1	245.6	250.7	256.6	266.7
30°	456.6	452.4	435.5	406.0	372.2	335.1	288.6	281.9	276.0	281.0	351.1
32.5°	552.0	551.1	528.3	492.9	451.5	381.5	342.7	329.2	314.8	357.0	407.6
35°	658.3	654.9	638.1	585.7	531.7	478.5	449.8	406.8	419.5	444.8	523.3
37.5°	741.9	741.9	719.1	672.7	648.2	604.3	567.2	560.4	541.0	578.1	671.0
40°	789.1	794.2	799.3	783.2	759.6	741.0	720.8	707.3	714.9	732.6	827.1
42.5°	866.8	876.1	892.1	884.5	873.5	877.8	848.2	855.8	869.3	896.3	993.4
45°	979.9	987.5	1005.2	1018.7	1037.3	1027.1	971.4	1011.1	1039.8	1057.5	1160.5
47.5°	1092.1	1106.5	1130.1	1150.4	1179.9	1169.8	1138.5	1155.4	1184.1	1202.7	1321.7
50°	1190.0	1203.5	1228.9	1259.2	1271.9	1296.4	1284.6	1293.0	1326.8	1341.9	1458.4
52.5°	1263.5	1270.2	1292.2	1326.8	1340.3	1378.2	1383.3	1382.5	1448.3	1471.9	1593.5
55°	1302.3	1309.0	1330.1	1357.1	1374.9	1426.3	1421.3	1435.6	1533.5	1578.3	1731.0
57.5°	1309.9	1318.3	1335.2	1369.0	1383.3	1444.1	1432.3	1466.0	1594.3	1686.3	1877.0
60°	1295.5	1304.8	1319.2	1351.2	1371.5	1429.7	1447.4	1493.9	1655.9	1803.6	2063.6
62.5°	1233.9	1248.3	1256.7	1291.3	1310.7	1359.7	1440.7	1526.8	1724.3	1914.2	2261.9
65°	1139.4	1147.0	1158.8	1184.1	1206.9	1255.9	1363.9	1488.8	1742.0	1983.4	2377.5
66°	1095.5	1102.3	1111.5	1134.3	1158.8	1204.4	1302.3	1425.5	1703.2	1980.0	2380.9
67.5°	1010.3	1013.6	1030.5	1048.2	1075.2	1103.9	1179.1	1301.4	1588.4	1894.8	2317.6
70°	681.9	692.9	739.3	800.9	838.9	834.7	882.0	990.0	1243.2	1540.3	1999.4
72.5°	320.7	324.1	330.0	354.5	494.6	523.3	556.2	649.0	839.8	1072.7	1459.3
75°	262.5	265.9	276.0	288.6	318.2	352.8	364.6	400.9	539.3	665.1	892.1
77.5°	89.5	92.0	98.7	117.3	179.8	225.3	265.9	330.8	406.0	472.6	584.9
80°	37.1	39.7	43.0	39.7	46.4	76.8	97.1	141.8	247.3	362.9	463.4
82.5°	20.3	21.1	23.6	21.9	27.0	35.4	38.0	41.4	59.9	121.5	259.9
85°	5.9	5.9	6.8	11.0	16.0	23.6	23.6	22.8	22.8	34.6	65.0
87.5°	1.7	1.7	2.5	3.4	5.1	8.4	10.1	10.1	11.0	14.3	21.1
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	40.5	40.5	40.5	40.5	39.7	39.7	37.1	33.8	30.4	27.0	24.5
5°	45.6	43.0	42.2	42.2	39.7	39.7	38.8	36.3	27.9	23.6	21.1
7.5°	51.5	48.1	46.4	46.4	43.9	40.5	38.8	37.1	28.7	22.8	20.3
10°	81.0	67.5	58.2	55.7	52.3	48.1	45.6	45.6	33.8	27.0	24.5
12.5°	98.7	93.7	87.8	83.6	60.8	54.9	52.3	45.6	35.4	26.2	22.8
15°	113.1	105.5	98.7	97.1	96.2	73.4	63.3	57.4	41.4	33.8	27.9
17.5°	162.9	130.0	119.0	118.2	107.2	81.0	70.1	57.4	44.7	33.8	27.9
20°	172.2	159.5	141.8	145.2	146.9	128.3	100.4	78.5	59.1	44.7	33.8
22.5°	221.1	214.4	203.4	200.0	168.0	146.9	108.9	92.0	64.1	44.7	33.8
25°	253.2	249.0	263.3	260.8	242.2	204.2	149.4	109.7	80.2	51.5	38.0
27.5°	315.7	335.9	308.1	316.5	281.0	245.6	196.6	135.9	85.2	54.0	38.8
30°	358.7	387.4	406.0	400.9	355.3	286.1	218.6	153.6	92.8	54.0	40.5
32.5°	450.7	470.1	473.5	463.4	436.3	361.2	261.6	176.4	97.1	55.7	43.0
35°	535.9	584.9	584.0	585.7	531.7	444.8	316.5	189.9	103.8	55.7	43.0
37.5°	700.5	727.5	724.1	723.3	663.4	543.5	373.0	229.6	111.4	55.7	42.2
40°	859.2	892.1	891.3	882.0	818.7	661.7	468.4	261.6	119.0	57.4	39.7
42.5°	1012.8	1028.0	1053.3	1056.7	948.6	797.6	565.5	305.5	127.4	59.1	38.0
45°	1173.1	1156.3	1204.4	1201.0	1101.4	941.9	648.2	357.0	140.9	57.4	35.4
47.5°	1335.2	1331.8	1373.2	1342.8	1268.5	1114.1	766.3	411.9	149.4	54.9	32.9
50°	1478.7	1505.7	1509.1	1464.3	1426.3	1282.9	922.5	485.3	166.3	50.6	31.2
52.5°	1604.4	1648.3	1604.4	1595.1	1593.5	1417.1	1054.1	551.1	182.3	46.4	28.7
55°	1761.4	1793.5	1769.8	1773.2	1790.1	1644.9	1216.2	672.7	210.2	42.2	26.2
57.5°	1962.3	2026.4	2012.9	2072.0	2075.4	1967.3	1446.6	811.1	243.1	38.8	23.6
60°	2229.0	2386.8	2463.6	2529.4	2453.5	2318.4	1702.3	925.9	269.2	35.4	21.1
62.5°	2535.3	2795.3	2932.0	3006.3	2797.0	2508.3	1806.1	974.8	275.1	31.2	18.6
65°	2710.9	3035.8	3218.1	3223.2	3023.2	2565.7	1821.3	973.1	269.2	27.0	16.0
66°	2726.9	3067.1	3246.8	3231.6	3063.7	2572.5	1811.2	957.9	263.3	25.3	15.2
67.5°	2668.7	3008.8	3186.9	3158.2	3039.2	2534.5	1744.5	919.1	251.5	22.8	14.3
70°	2364.9	2670.4	2851.0	2812.2	2820.6	2310.8	1464.3	784.1	219.4	18.6	12.7
72.5°	1864.4	2207.9	2287.2	2258.5	2310.0	1709.1	1034.7	550.3	163.7	15.2	11.0
75°	1250.8	1594.3	1649.2	1626.4	1464.3	860.9	411.0	232.1	85.2	12.7	9.3
77.5°	753.7	1004.3	990.0	992.5	784.1	349.4	77.6	54.0	28.7	10.1	6.8
80°	551.1	697.1	725.8	743.6	615.3	228.7	43.0	32.1	16.9	7.6	5.1
82.5°	447.3	624.6	694.6	701.4	557.0	181.5	32.9	25.3	12.7	5.9	3.4
85°	122.4	319.0	394.1	373.9	237.2	61.6	23.6	16.9	8.4	4.2	3.4
87.5°	28.7	72.6	92.0	94.5	67.5	22.8	20.3	16.0	5.9	3.4	3.4
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°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
2.5°	23.6	22.8	21.9	21.1	21.1	20.3	20.3	20.3	19.4	20.3	20.3
5°	20.3	19.4	18.6	17.7	16.9	16.9	16.9	17.7	18.6	18.6	18.6
7.5°	19.4	17.7	16.9	16.9	16.9	11.8	8.4	7.6	7.6	7.6	8.4
10°	20.3	17.7	18.6	10.1	6.8	6.8	6.8	6.8	6.8	9.3	11.0
12.5°	21.1	19.4	11.0	10.1	9.3	8.4	10.1	9.3	9.3	10.1	10.1
15°	24.5	15.2	11.8	10.1	11.8	12.7	11.8	11.0	9.3	9.3	11.0
17.5°	20.3	15.2	13.5	15.2	15.2	12.7	11.0	12.7	12.7	11.8	11.0
20°	24.5	21.1	18.6	16.0	14.3	13.5	14.3	12.7	11.8	11.8	12.7
22.5°	26.2	22.8	23.6	21.1	19.4	15.2	14.3	12.7	13.5	12.7	12.7
25°	32.1	32.1	27.9	21.9	20.3	17.7	16.9	13.5	13.5	11.8	12.7
27.5°	34.6	31.2	27.9	25.3	22.8	17.7	16.9	14.3	12.7	12.7	11.0
30°	36.3	32.1	28.7	25.3	21.9	19.4	16.9	14.3	12.7	11.8	11.8
32.5°	38.8	33.8	27.9	23.6	21.1	17.7	16.9	13.5	11.8	10.1	10.1
35°	36.3	31.2	27.0	23.6	19.4	16.9	15.2	12.7	10.1	10.1	9.3
37.5°	33.8	28.7	24.5	21.9	18.6	15.2	13.5	11.0	9.3	8.4	8.4
40°	32.1	27.0	22.8	19.4	16.0	13.5	11.8	9.3	7.6	6.8	6.8
42.5°	29.5	24.5	20.3	16.9	14.3	11.8	10.1	7.6	5.9	5.1	5.1
45°	27.9	22.8	18.6	15.2	11.8	10.1	7.6	5.9	4.2	3.4	3.4
47.5°	26.2	21.1	16.0	12.7	10.1	8.4	5.9	4.2	2.5	2.5	1.7
50°	23.6	18.6	14.3	11.0	8.4	6.8	4.2	2.5	1.7	0.8	0.8
52.5°	21.9	16.0	12.7	9.3	6.8	5.1	3.4	1.7	0.8	0.8	0.8
55°	19.4	14.3	11.0	7.6	5.9	3.4	1.7	0.8	0.8	0.8	0.8
57.5°	16.9	11.8	9.3	6.8	4.2	2.5	1.7	0.8	0.8	0.8	0.0
60°	14.3	10.1	7.6	5.1	3.4	1.7	0.8	0.8	0.8	0.8	0.0
62.5°	12.7	8.4	5.9	4.2	2.5	1.7	0.8	0.8	0.8	0.8	0.0
65°	11.0	6.8	5.1	3.4	1.7	1.7	0.8	0.8	0.8	0.8	0.0
66°	10.1	6.8	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.0
67.5°	9.3	5.9	4.2	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
70°	8.4	5.1	3.4	2.5	1.7	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	7.6	4.2	2.5	2.5	1.7	1.7	0.8	0.8	0.8	0.8	0.8
75°	5.1	2.5	2.5	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
77.5°	3.4	2.5	1.7	1.7	1.7	1.7	0.8	1.7	1.7	1.7	1.7
80°	3.4	2.5	2.5	2.5	2.5	2.5	0.8	2.5	2.5	2.5	1.7
82.5°	2.5	2.5	2.5	2.5	3.4	3.4	0.8	3.4	3.4	2.5	2.5
85°	2.5	2.5	2.5	3.4	3.4	4.2	0.8	3.4	3.4	3.4	3.4
87.5°	2.5	3.4	3.4	3.4	4.2	4.2	1.7	4.2	4.2	4.2	3.4
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°	31.2	31.2	31.2	31.2	31.2
2.5°	20.3	21.1	21.1	21.9	21.9
5°	16.9	16.9	15.2	15.2	14.3
7.5°	8.4	8.4	9.3	9.3	9.3
10°	11.8	12.7	12.7	12.7	13.5
12.5°	10.1	11.0	11.8	11.8	11.8
15°	11.8	12.7	13.5	13.5	13.5
17.5°	11.0	11.0	11.8	11.8	12.7
20°	12.7	12.7	12.7	12.7	12.7
22.5°	11.0	11.0	12.7	13.5	13.5
25°	12.7	11.8	11.8	12.7	11.8
27.5°	11.0	11.8	12.7	12.7	12.7
30°	11.0	11.0	11.0	11.0	11.8
32.5°	11.0	11.0	11.0	11.0	11.0
35°	9.3	10.1	10.1	11.0	11.0
37.5°	8.4	8.4	9.3	9.3	9.3
40°	6.8	6.8	6.8	7.6	7.6
42.5°	5.1	5.1	5.1	5.9	5.1
45°	3.4	3.4	3.4	3.4	3.4
47.5°	1.7	1.7	2.5	2.5	2.5
50°	0.8	0.8	1.7	1.7	1.7
52.5°	0.8	0.8	0.8	1.7	1.7
55°	0.8	0.8	0.8	0.8	1.7
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	1.7
72.5°	0.8	0.8	1.7	0.8	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	2.5	2.5	1.7	1.7
82.5°	2.5	2.5	2.5	2.5	1.7
85°	2.5	2.5	3.4	3.4	1.7
87.5°	3.4	3.4	3.4	3.4	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)