

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: P179303

Luminaire Tested: **UTLD-F02-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179303
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
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-SL4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2490.9 lumens
Efficiency: N/A
Efficacy: 45.3 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

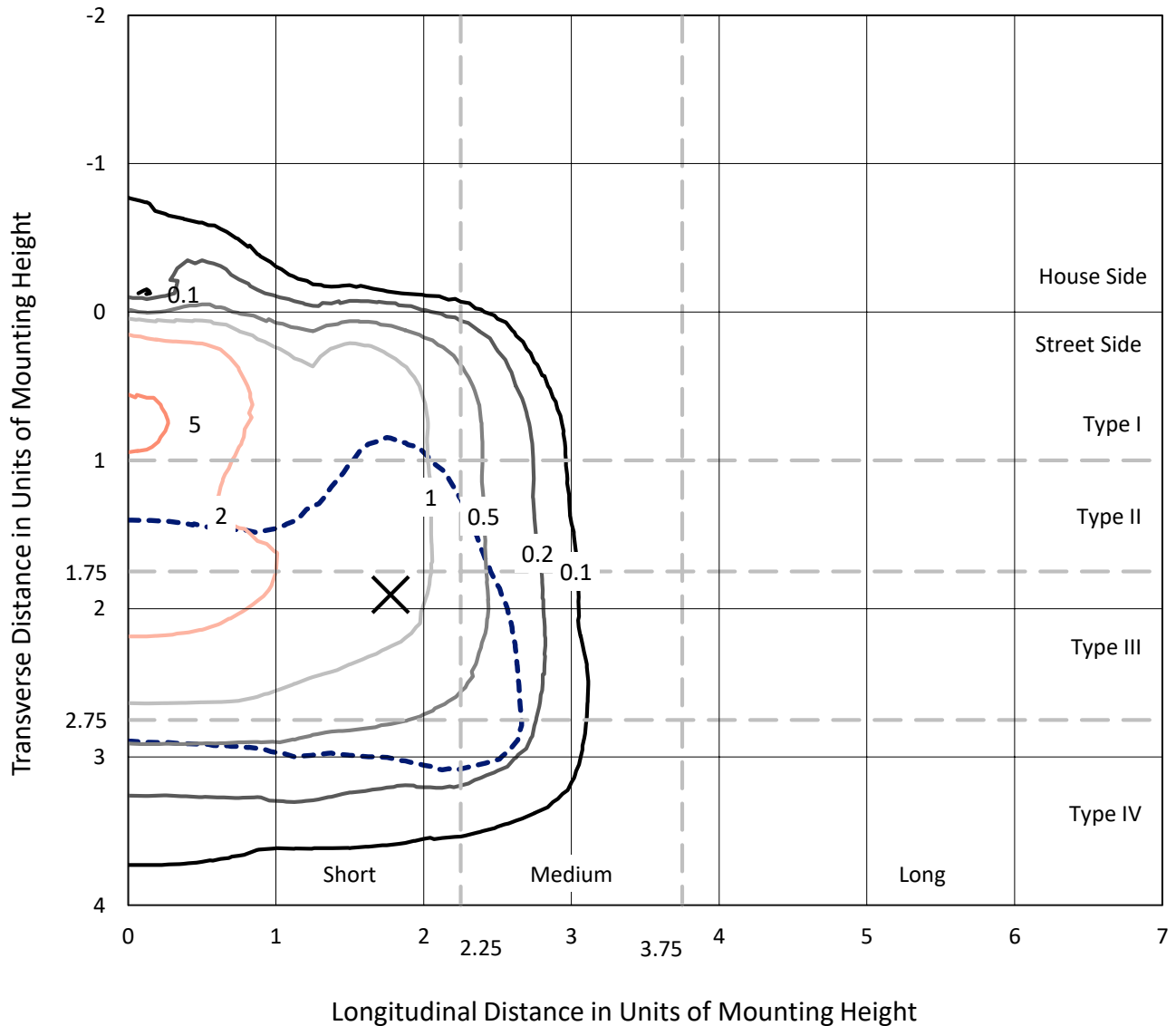
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

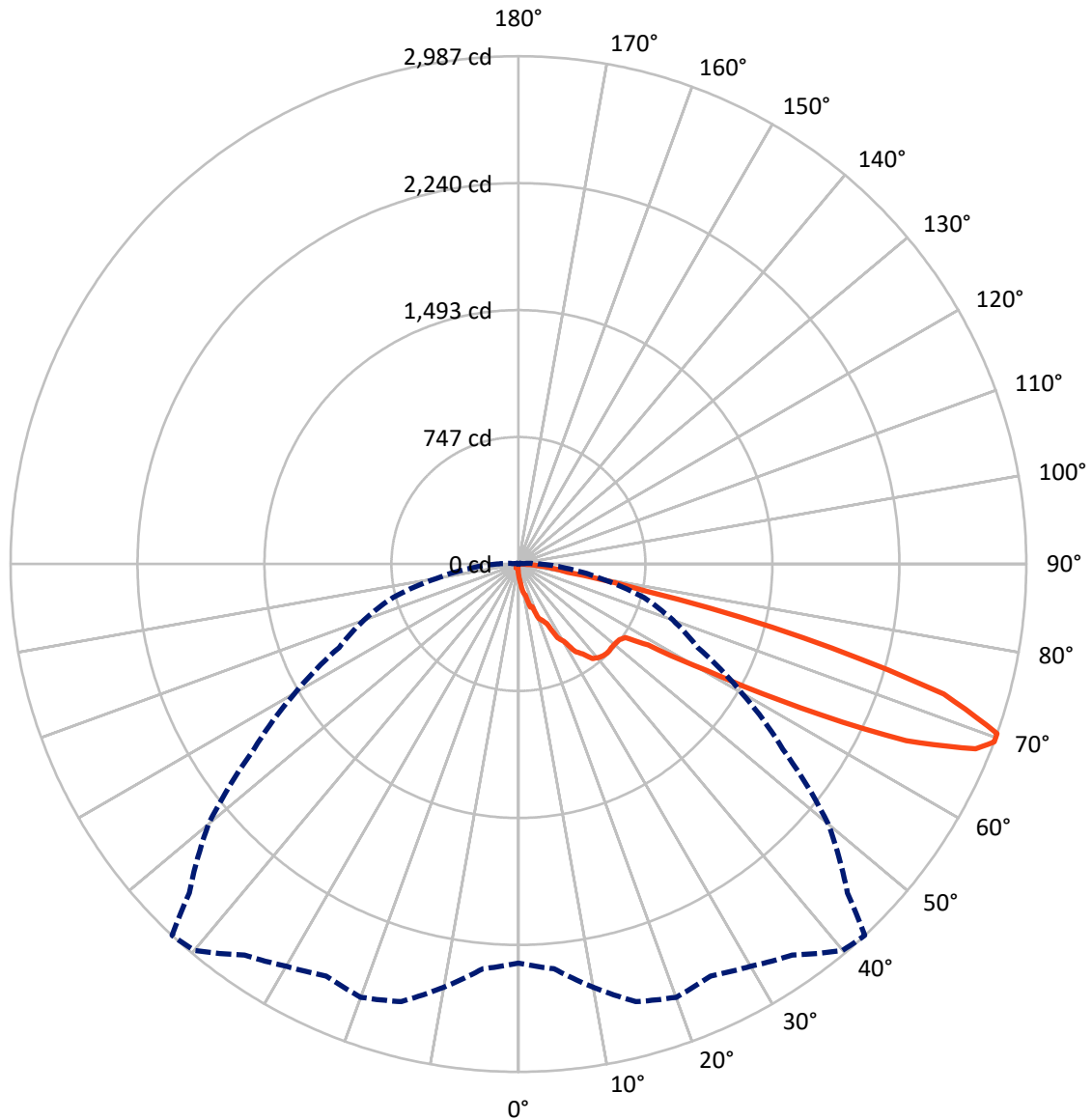


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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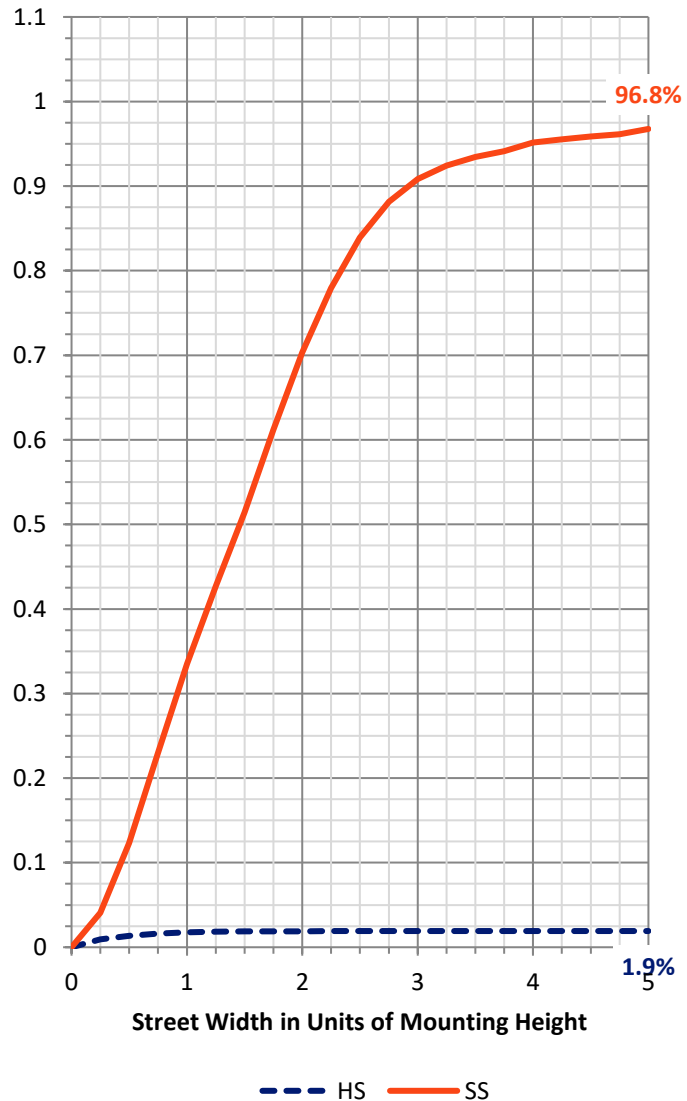
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.3	0.0	48.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2442.6	0.0	2442.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	2490.9	0.0	2490.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.3
10°-20°	34.6	1.4
20°-30°	95.5	3.8
30°-40°	200.0	8.0
40°-50°	288.9	11.6
50°-60°	448.1	18.0
60°-70°	946.2	38.0
70°-80°	420.8	16.9
80°-90°	49.9	2.0
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°	2490.9	100.0
0°-180°	2490.9	100.0

Coefficient of Utilization



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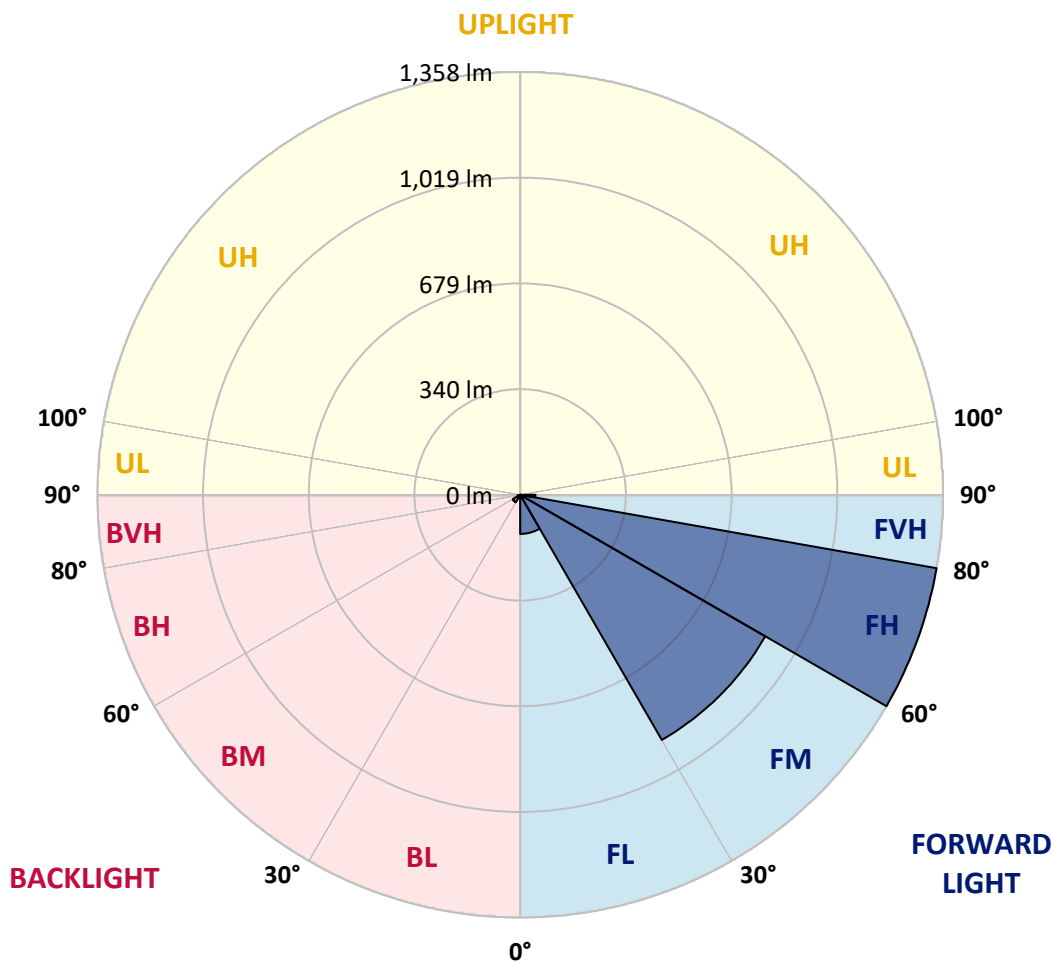
CATALOG NUMBER: UTLD-F02-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.5	5.0			
FM	(30°-60°)	909.4	36.5			
FH	(60°-80°)	1358.5	54.5			G1/1800
FVH	(80°-90°)	49.1	2.0			G1/100
BL	(0°-30°)	11.4	0.5	B0/110		
BM	(30°-60°)	27.6	1.1	B0/220		
BH	(60°-80°)	8.5	0.3	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	43°	45°
0°	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2.5°	92.0	92.0	91.3	90.6	88.5	87.8	85.7	84.3	85.0	84.3	83.6
5°	117.7	115.7	112.9	108.7	107.3	105.2	103.8	100.3	98.9	98.2	96.8
7.5°	195.1	190.2	187.4	186.7	184.6	182.5	177.0	172.1	167.2	149.1	123.3
10°	209.7	210.4	211.1	206.9	208.3	201.4	194.4	190.2	187.4	177.0	170.7
12.5°	275.9	271.7	271.0	273.8	267.5	264.1	256.4	243.9	202.1	188.1	193.0
15°	319.8	325.4	305.2	280.8	275.2	269.6	253.6	256.4	275.2	262.7	248.7
17.5°	344.2	345.6	342.1	339.3	329.6	323.3	334.4	283.6	278.0	263.4	253.6
20°	431.3	432.7	426.4	397.1	360.9	342.8	353.2	333.7	326.8	341.4	290.5
22.5°	471.7	473.1	467.5	459.1	443.1	446.6	422.2	358.8	363.7	360.9	326.1
25°	579.0	582.5	576.2	562.3	549.0	486.3	459.8	459.8	419.4	387.4	368.6
27.5°	691.9	678.6	636.8	618.7	608.9	576.9	574.8	503.0	480.7	491.2	427.8
30°	768.5	770.6	763.6	733.7	714.9	706.5	628.5	589.4	537.2	528.1	466.1
32.5°	919.0	919.7	905.1	891.1	804.0	767.1	713.5	663.3	586.0	612.4	533.0
35°	1063.2	1066.7	1027.7	949.7	923.9	854.2	787.3	702.3	650.8	649.4	566.4
37.5°	1148.2	1148.2	1119.0	1062.5	1035.3	939.2	831.9	768.5	675.8	705.1	611.7
40°	1256.2	1253.4	1228.3	1162.2	1083.4	971.2	885.6	798.5	719.7	723.9	641.7
42.5°	1299.4	1295.9	1278.5	1211.6	1106.4	1011.0	898.8	806.8	730.2	735.8	655.6
45°	1321.0	1317.5	1298.7	1225.6	1115.5	1015.8	894.6	801.9	732.3	739.2	663.3
47.5°	1316.1	1311.3	1295.9	1234.6	1142.6	1012.4	867.4	791.5	728.8	735.8	666.1
50°	1289.7	1288.3	1274.3	1219.3	1139.9	998.4	852.1	781.0	728.1	736.4	671.7
52.5°	1274.3	1275.7	1262.5	1224.2	1124.5	993.5	860.5	784.5	732.3	742.0	680.0
55°	1475.0	1449.2	1398.3	1318.2	1176.1	1035.3	900.2	809.6	753.2	762.9	699.5
57.5°	2140.4	2116.7	2011.5	1817.1	1541.9	1263.9	1053.5	926.0	872.3	898.8	845.8
60°	2531.2	2504.1	2477.6	2389.8	2159.9	1911.8	1534.2	1326.6	1227.0	1268.8	1216.5
62.5°	2693.6	2691.5	2678.9	2662.9	2503.4	2389.8	2108.3	1907.7	1832.4	1863.1	1752.3
65°	2795.3	2808.5	2811.3	2819.7	2715.9	2629.5	2465.1	2413.5	2513.1	2506.2	2299.2
67.5°	2723.5	2731.2	2777.2	2849.0	2797.4	2717.3	2694.3	2736.8	2865.0	2901.2	2644.8
69°	2347.3	2389.1	2527.1	2664.3	2711.7	2673.4	2731.2	2807.8	2966.0	2986.9	2737.5
70°	1871.4	1946.7	2101.4	2388.4	2502.0	2506.9	2675.5	2796.0	2974.4	2986.2	2743.0
72.5°	841.0	854.9	939.9	1092.5	1525.9	1673.6	2086.7	2462.3	2644.8	2616.9	2382.8
75°	567.8	574.1	569.2	576.2	659.1	792.9	1011.7	1567.0	1786.4	1729.3	1511.2
77.5°	470.3	469.6	460.5	454.3	457.1	476.6	475.2	543.5	753.2	774.1	680.0
80°	421.5	417.3	409.7	397.1	383.9	365.1	345.6	308.0	282.2	291.9	257.8
82.5°	228.5	220.9	238.3	255.0	293.3	309.4	284.3	237.6	213.2	200.0	178.4
85°	53.6	51.6	60.6	84.3	144.2	147.0	142.8	117.7	102.4	95.5	86.4
87.5°	13.9	13.9	14.6	14.6	71.1	81.5	66.2	30.0	23.0	20.2	17.4
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2.5°	82.2	81.5	80.1	80.1	78.7	75.2	65.5	56.4	50.9	48.8	46.7
5°	93.4	90.6	87.1	83.6	80.1	78.0	76.6	62.0	48.1	44.6	41.1
7.5°	106.6	100.3	94.8	89.2	84.3	76.6	72.5	69.0	46.7	41.1	37.6
10°	160.9	154.0	108.0	107.3	95.5	87.1	83.6	80.1	55.7	47.4	41.1
12.5°	191.6	181.8	163.7	134.5	99.6	94.1	82.2	73.9	53.0	41.8	38.3
15°	203.4	191.6	172.8	164.4	128.2	111.5	94.1	85.0	58.5	50.2	41.1
17.5°	251.5	245.3	195.1	177.0	154.0	110.8	96.8	75.2	58.5	44.6	39.0
20°	272.4	256.4	220.2	209.7	186.7	151.9	115.7	99.6	71.8	58.5	44.6
22.5°	305.9	301.7	277.3	221.6	195.8	165.1	119.8	104.5	78.0	56.4	42.5
25°	366.5	321.9	289.8	281.5	243.2	202.8	151.9	115.0	84.3	59.2	46.7
27.5°	396.4	372.8	336.5	304.5	250.1	209.7	170.0	125.4	90.6	64.1	48.1
30°	478.7	397.8	370.7	337.9	279.4	222.3	172.8	131.0	89.9	62.7	48.8
32.5°	511.4	457.1	408.3	355.3	314.2	249.4	191.6	133.1	93.4	64.8	53.6
35°	556.7	489.1	452.9	400.6	338.6	271.0	196.5	137.3	88.5	62.7	53.0
37.5°	595.0	522.6	463.3	415.3	348.4	277.3	202.8	141.4	91.3	61.3	50.9
40°	615.2	538.6	471.0	425.7	347.7	280.8	214.6	136.6	88.5	59.9	47.4
42.5°	631.9	556.0	483.5	436.9	361.6	296.1	218.1	143.5	87.8	59.9	43.9
45°	643.1	572.0	511.4	450.1	379.7	312.8	223.0	144.9	89.2	59.9	41.1
47.5°	649.4	591.5	539.3	469.6	411.8	345.6	251.5	158.2	91.3	57.8	38.3
50°	657.7	612.4	562.3	494.7	445.9	364.4	273.1	165.1	94.1	54.3	36.2
52.5°	664.0	623.6	577.6	526.0	494.7	422.9	326.8	197.9	101.7	52.3	34.1
55°	693.9	673.0	670.3	684.9	707.2	693.3	561.6	340.0	156.8	61.3	39.0
57.5°	892.5	930.1	998.4	1056.9	1040.2	1006.8	807.5	470.3	212.5	66.9	45.3
60°	1299.4	1337.0	1364.2	1336.3	1243.0	1162.9	910.6	533.0	236.9	55.7	35.5
62.5°	1739.1	1670.1	1586.5	1461.1	1355.8	1202.6	958.7	568.5	243.2	47.4	26.5
65°	2120.9	1903.5	1714.0	1488.9	1359.3	1197.0	946.9	553.9	232.7	39.0	21.6
67.5°	2352.2	1981.5	1686.1	1378.8	1190.0	1002.6	731.6	425.7	178.4	31.4	18.1
69°	2378.7	1899.3	1517.5	1164.2	967.8	765.0	489.8	281.5	124.7	26.5	16.0
70°	2329.9	1785.7	1326.6	974.7	772.0	567.8	356.7	206.9	89.9	23.7	15.3
72.5°	1881.9	1237.4	760.8	479.4	338.6	235.5	144.2	84.3	38.3	17.4	13.2
75°	1031.9	531.6	301.0	199.3	154.7	118.4	81.5	45.3	22.3	14.6	11.1
77.5°	379.7	239.7	172.1	136.6	89.9	51.6	34.8	25.8	18.1	11.8	8.4
80°	227.8	166.5	121.2	64.8	43.2	32.7	25.1	20.2	14.6	9.1	5.6
82.5°	145.6	98.9	52.3	38.3	30.7	24.4	19.5	16.7	10.5	6.3	2.8
85°	66.9	39.7	31.4	27.2	23.7	21.6	20.2	16.7	8.4	3.5	2.1
87.5°	15.3	14.6	17.4	16.0	15.3	14.6	13.2	11.1	4.2	2.8	2.1
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°	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
2.5°	45.3	43.9	42.5	41.8	40.4	40.4	39.0	39.0	38.3	37.6	38.3
5°	38.3	36.9	35.5	34.1	32.7	31.4	32.0	32.7	32.7	33.4	29.3
7.5°	35.5	33.4	30.7	29.3	28.6	13.9	11.1	10.5	9.8	10.5	10.5
10°	36.2	32.7	30.7	12.5	9.1	9.1	9.1	9.1	9.8	11.8	14.6
12.5°	34.1	30.0	16.0	14.6	13.2	12.5	14.6	13.9	13.9	13.9	13.9
15°	38.3	21.6	16.7	14.6	16.0	17.4	17.4	16.7	13.9	13.9	16.7
17.5°	24.4	20.2	18.8	22.3	21.6	18.1	16.7	18.8	19.5	18.1	16.0
20°	32.0	28.6	25.8	22.3	20.9	20.9	23.0	19.5	18.1	18.8	19.5
22.5°	32.7	30.7	32.0	30.0	27.9	22.3	21.6	20.9	21.6	20.2	19.5
25°	41.1	41.8	37.6	30.7	29.3	27.2	25.1	20.9	21.6	19.5	20.9
27.5°	43.9	41.1	37.6	36.2	33.4	27.2	27.2	23.0	21.6	21.6	18.8
30°	46.0	41.8	39.0	35.5	32.0	30.0	26.5	23.7	21.6	20.9	20.2
32.5°	48.8	43.2	37.6	34.8	32.0	27.9	27.2	23.7	21.6	19.5	19.5
35°	45.3	40.4	36.9	34.1	29.3	26.5	25.1	23.0	20.2	19.5	18.1
37.5°	41.1	36.9	34.1	30.7	27.9	24.4	23.7	20.9	19.5	18.1	17.4
40°	37.6	33.4	30.7	27.9	25.1	22.3	20.9	18.8	16.7	16.0	16.0
42.5°	35.5	30.7	27.2	25.1	22.3	20.2	18.8	16.7	15.3	14.6	14.6
45°	32.7	27.9	24.4	21.6	19.5	18.1	16.7	14.6	13.2	13.2	13.2
47.5°	31.4	25.8	22.3	19.5	17.4	16.0	14.6	12.5	11.1	11.8	11.8
50°	29.3	23.7	19.5	18.1	16.0	14.6	13.2	11.1	10.5	10.5	10.5
52.5°	27.2	20.9	17.4	16.0	14.6	13.2	11.1	9.1	8.4	9.1	8.4
55°	27.2	18.8	15.3	13.9	12.5	11.1	9.1	7.7	7.0	6.3	5.6
57.5°	32.0	18.8	13.2	12.5	11.1	9.1	7.0	5.6	4.9	3.5	2.8
60°	27.9	18.8	11.8	11.1	9.8	7.7	5.6	4.2	2.8	2.1	1.4
62.5°	19.5	14.6	10.5	9.8	7.7	5.6	3.5	2.1	1.4	0.7	0.7
65°	16.7	11.8	9.8	8.4	6.3	4.2	2.1	1.4	0.7	0.7	0.7
67.5°	14.6	11.1	8.4	7.0	5.6	2.8	1.4	0.7	0.7	0.7	0.7
69°	13.2	10.5	8.4	6.3	4.9	2.1	1.4	0.7	0.7	0.7	0.7
70°	12.5	9.8	7.7	6.3	4.2	2.1	0.7	0.7	0.7	0.7	0.7
72.5°	10.5	7.7	6.3	5.6	3.5	1.4	0.7	0.7	0.7	0.7	0.7
75°	7.7	6.3	4.2	4.2	2.8	1.4	0.7	0.7	0.7	0.7	0.0
77.5°	5.6	4.2	2.8	2.8	2.1	1.4	0.7	0.7	0.7	0.7	0.0
80°	3.5	2.8	2.1	2.1	1.4	1.4	0.0	0.7	0.7	0.7	0.7
82.5°	2.1	2.1	2.1	1.4	1.4	1.4	0.7	1.4	0.7	0.7	0.7
85°	2.1	2.1	2.1	1.4	1.4	1.4	0.7	1.4	1.4	1.4	0.7
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.7	2.1	2.1	1.4	1.4
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°	55.0	55.0	55.0	55.0	55.0
2.5°	38.3	38.3	39.0	39.7	39.7
5°	22.3	15.3	16.0	16.0	16.0
7.5°	10.5	10.5	11.1	11.1	11.1
10°	16.0	16.0	16.0	16.0	16.7
12.5°	14.6	15.3	15.3	15.3	16.0
15°	17.4	18.1	18.8	18.8	19.5
17.5°	16.0	16.0	17.4	17.4	17.4
20°	18.8	18.8	18.8	18.8	18.8
22.5°	16.7	17.4	19.5	20.2	20.9
25°	19.5	18.8	18.8	18.8	18.8
27.5°	19.5	19.5	20.2	20.2	20.2
30°	19.5	18.1	18.1	18.8	19.5
32.5°	19.5	19.5	18.8	18.8	18.8
35°	18.1	19.5	19.5	19.5	19.5
37.5°	17.4	17.4	19.5	20.2	20.2
40°	16.7	17.4	18.1	20.9	20.9
42.5°	16.0	17.4	18.8	20.2	20.2
45°	15.3	16.7	17.4	18.8	18.8
47.5°	13.9	15.3	16.0	16.7	16.7
50°	12.5	12.5	13.2	13.2	12.5
52.5°	9.1	9.1	8.4	8.4	8.4
55°	5.6	4.9	4.9	4.9	4.2
57.5°	2.8	2.8	2.1	2.1	2.1
60°	1.4	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.0	0.0	0.0
65°	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.7	0.0	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.4	0.7	0.7	0.7	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)