

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: P179384

Luminaire Tested: **UTLD-F01-LED-E-U-T4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179384
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-F01-LED-E-U-T4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1309.8 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 25.9
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

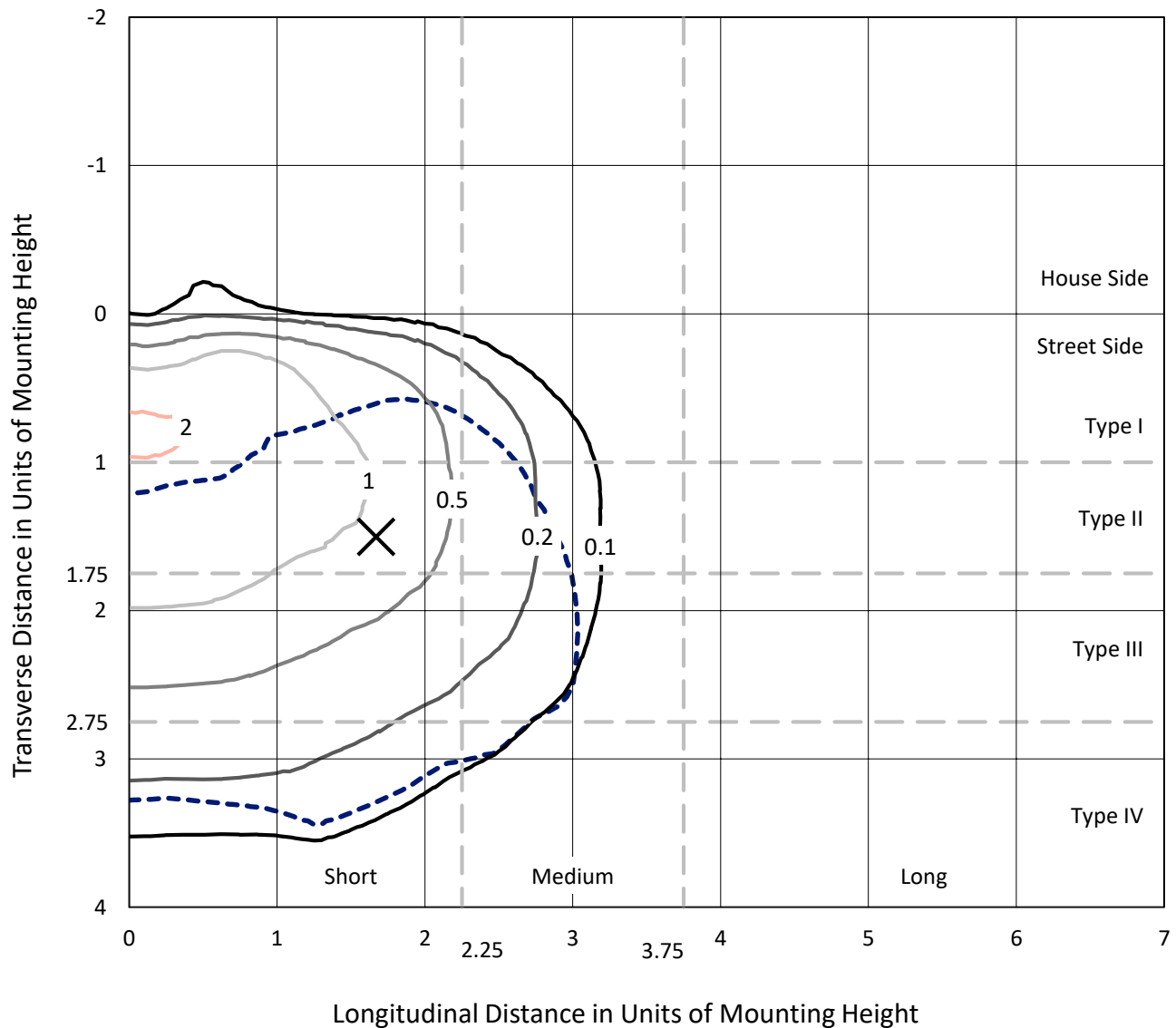


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

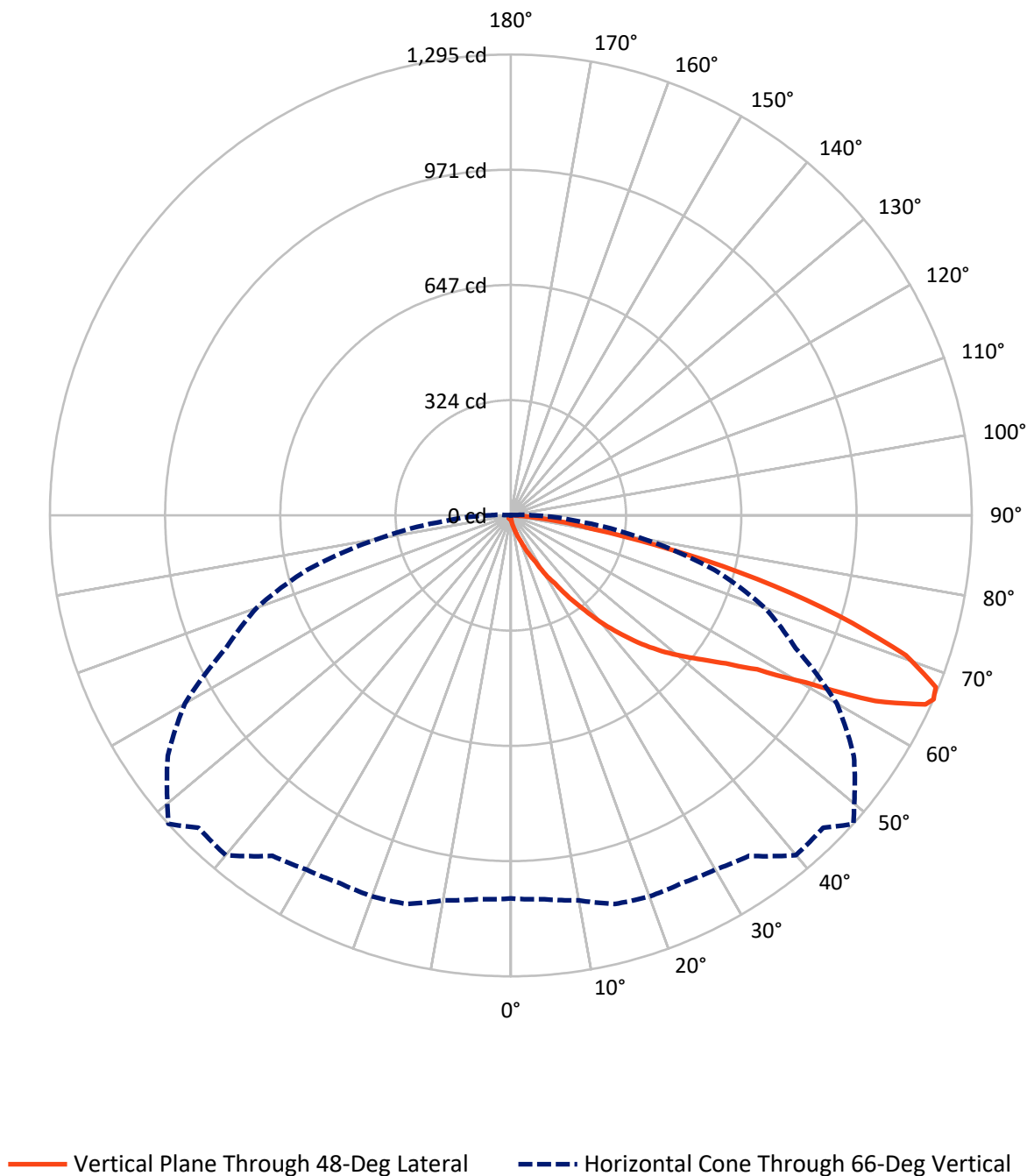


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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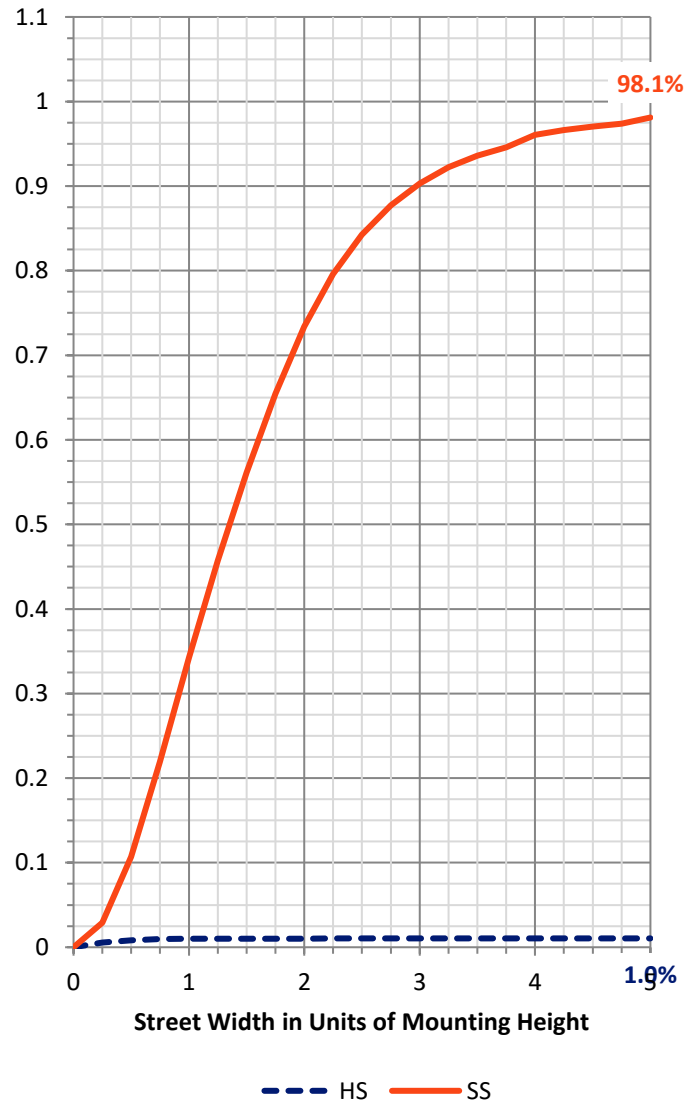
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14.1	0.0	14.1
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	1295.8	0.0	1295.8
	% Fixture	98.9	0.0	98.9
Total	Lumens	1309.8	0.0	1309.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.1
10°-20°	8.1	0.6
20°-30°	31.1	2.4
30°-40°	87.1	6.7
40°-50°	169.2	12.9
50°-60°	277.3	21.2
60°-70°	451.9	34.5
70°-80°	254.7	19.4
80°-90°	29.1	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°	1309.8	100.0
0°-180°	1309.8	100.0

Coefficient of Utilization



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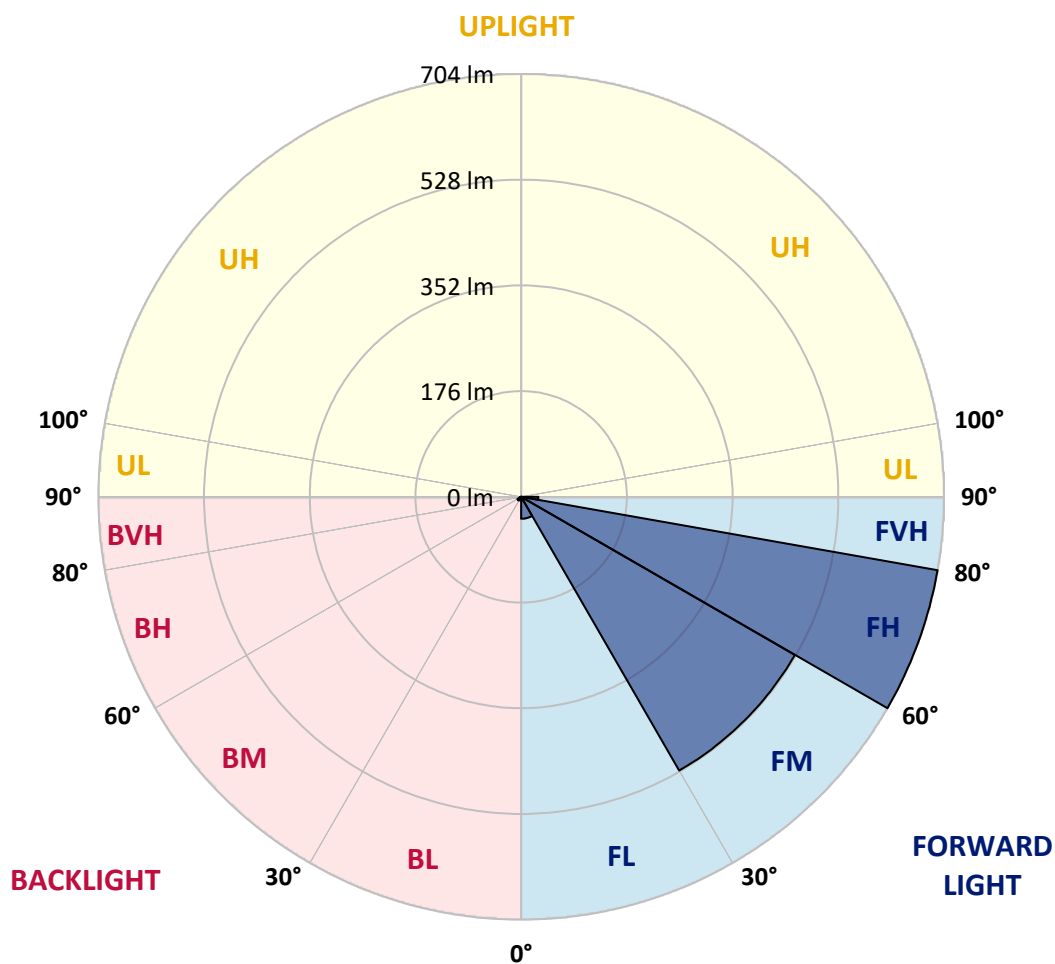
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	36.6	2.8			
FM	(30°-60°)	526.4	40.2			
FH	(60°-80°)	704.1	53.8			G1/1800
FVH	(80°-90°)	28.7	2.2			G1/100
BL	(0°-30°)	3.8	0.3	B0/110		
BM	(30°-60°)	7.2	0.6	B0/220		
BH	(60°-80°)	2.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
2.5°	13.2	13.2	13.2	13.2	12.8	12.4	12.4	12.1	12.1	12.1	12.1
5°	19.2	19.2	18.1	17.7	17.0	16.6	15.8	15.5	15.1	14.3	14.3
7.5°	30.5	30.2	30.2	29.8	29.4	28.7	27.5	26.8	25.6	19.6	18.1
10°	38.8	39.2	38.5	38.1	35.8	34.7	33.2	31.7	31.3	28.7	27.1
12.5°	53.5	53.9	53.2	52.8	51.3	50.1	47.5	45.6	38.1	35.1	34.7
15°	76.5	76.5	72.8	65.2	63.0	60.3	56.2	55.4	55.8	50.9	44.5
17.5°	89.3	89.7	88.6	86.7	84.4	81.8	79.2	70.1	65.2	61.1	59.2
20°	121.8	121.8	119.5	115.7	102.2	96.9	96.5	92.0	88.6	78.0	73.9
22.5°	140.6	142.5	139.9	137.2	132.7	134.2	127.8	108.6	109.0	99.2	95.4
25°	184.7	185.1	181.0	177.9	176.4	153.8	147.8	150.8	139.1	126.7	123.7
27.5°	230.0	232.6	207.7	202.1	202.1	197.2	199.4	177.9	174.9	159.5	147.4
30°	263.9	265.0	260.9	251.1	247.3	246.2	226.6	228.1	209.6	185.9	193.8
32.5°	325.3	327.2	319.3	315.5	288.8	278.6	266.5	266.9	244.3	240.5	228.1
35°	400.0	401.9	391.7	359.7	355.1	340.8	334.0	307.6	303.5	283.9	283.9
37.5°	449.4	443.0	433.5	421.5	424.1	405.3	383.4	379.3	356.6	341.9	337.8
40°	486.3	488.2	487.5	481.4	468.2	450.5	443.3	433.2	414.7	400.0	401.9
42.5°	518.4	522.1	525.2	516.5	505.9	498.4	488.2	481.8	466.7	448.2	457.3
45°	550.4	553.4	559.8	554.6	547.0	545.9	521.4	527.4	515.4	500.7	515.7
47.5°	587.7	590.8	595.7	596.0	595.3	579.4	559.1	568.1	565.5	547.8	568.9
50°	629.6	630.0	638.6	644.7	633.0	620.5	600.9	605.5	609.6	596.0	620.5
52.5°	674.8	679.7	686.1	690.3	674.1	668.0	651.5	650.7	659.4	645.4	671.8
55°	743.4	745.7	748.7	750.2	729.1	731.4	707.2	705.0	717.8	702.7	734.0
57.5°	829.8	835.8	842.2	839.2	817.3	815.4	782.6	771.7	794.0	784.9	815.8
60°	961.0	966.6	971.5	974.9	962.8	955.7	905.2	897.3	934.6	916.1	953.0
62.5°	1098.2	1104.2	1109.9	1133.6	1121.2	1112.1	1081.2	1081.2	1126.8	1113.3	1148.7
65°	1096.3	1105.0	1117.8	1149.1	1154.7	1150.6	1149.5	1163.8	1234.7	1230.1	1279.9
66°	1075.9	1082.0	1098.2	1129.9	1138.9	1139.3	1148.7	1167.2	1245.6	1240.7	1294.6
67.5°	1028.4	1036.0	1053.3	1091.0	1100.5	1107.6	1132.1	1146.8	1235.0	1232.0	1287.4
70°	921.0	924.4	940.6	979.8	1002.4	998.7	1035.6	1041.3	1126.8	1137.8	1177.0
72.5°	709.5	705.0	754.4	808.7	845.6	831.3	858.0	859.6	932.3	931.2	962.5
75°	377.4	380.0	410.9	483.3	618.7	622.8	628.1	627.7	686.9	686.5	714.4
77.5°	238.6	245.0	256.7	278.6	346.5	395.8	415.1	407.2	433.2	442.2	456.5
80°	96.5	100.7	114.6	150.4	231.5	250.7	256.7	245.0	249.9	237.9	237.9
82.5°	32.0	32.4	36.9	46.7	118.8	165.9	170.8	144.4	142.1	138.0	138.0
85°	17.3	17.3	18.1	24.5	46.0	89.3	98.0	66.0	64.8	55.0	50.9
87.5°	1.5	1.9	1.5	4.1	7.2	13.6	15.8	16.6	18.8	21.5	17.3
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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
2.5°	12.1	12.1	12.1	12.4	12.4	12.1	11.7	10.6	10.2	9.4	8.7
5°	13.9	13.6	12.8	12.4	12.1	11.7	11.7	10.9	9.4	8.3	7.2
7.5°	17.7	15.8	14.7	13.9	12.8	11.7	11.3	11.3	9.0	7.5	6.8
10°	26.4	25.6	19.6	17.0	15.5	14.3	13.6	13.9	11.3	9.0	8.7
12.5°	33.9	32.0	28.7	22.6	17.7	16.2	14.7	13.2	11.3	9.0	7.9
15°	42.6	38.1	34.7	30.9	25.3	20.7	18.1	17.0	13.9	11.7	10.2
17.5°	57.3	55.8	43.0	37.7	32.4	23.4	20.4	16.6	14.7	11.3	10.2
20°	71.6	66.0	56.2	49.4	42.2	32.8	26.0	21.9	17.7	15.1	13.6
22.5°	90.9	85.6	75.0	58.8	50.1	41.8	29.8	26.0	20.4	17.0	15.1
25°	122.9	105.6	93.1	81.8	68.2	55.0	37.7	28.3	22.6	18.8	16.6
27.5°	147.8	137.6	122.1	104.4	79.9	63.7	47.5	32.4	25.3	20.7	17.7
30°	200.6	166.6	161.4	136.8	104.8	75.8	54.3	37.3	26.4	21.1	18.1
32.5°	233.0	221.7	195.3	168.5	137.6	101.8	68.2	41.5	28.3	21.5	19.2
35°	290.7	263.1	249.2	221.3	179.1	130.4	81.8	49.4	28.3	21.9	18.8
37.5°	350.2	321.2	294.4	265.8	216.4	155.3	98.8	55.8	30.2	20.7	17.7
40°	398.9	371.0	334.4	306.5	247.7	181.3	119.1	59.9	29.0	20.0	16.2
42.5°	453.9	420.7	380.8	350.6	283.9	216.8	135.7	70.5	29.8	19.2	14.7
45°	505.6	469.7	429.4	387.2	318.9	250.7	154.9	76.5	32.4	18.8	13.2
47.5°	553.8	516.1	478.0	418.8	362.3	286.5	184.4	91.2	34.7	17.7	12.1
50°	597.2	561.3	519.1	452.0	397.7	313.3	212.6	101.8	37.3	16.2	10.9
52.5°	646.5	609.6	554.6	487.1	430.5	347.6	237.9	116.1	40.7	14.7	9.8
55°	707.6	661.3	608.1	544.8	469.0	391.7	266.5	129.7	45.2	13.2	8.7
57.5°	783.4	744.2	689.9	615.6	526.7	435.1	301.2	147.0	49.4	12.1	7.9
60°	921.4	870.5	819.2	731.8	612.6	504.4	343.1	169.6	56.2	10.9	7.2
62.5°	1117.0	1061.6	978.7	852.0	724.6	570.0	384.2	192.3	63.7	9.8	6.8
65°	1241.5	1165.3	1054.5	889.7	765.7	600.2	387.6	191.9	64.5	9.0	6.0
66°	1259.2	1176.2	1057.1	882.9	759.6	592.6	378.5	189.3	63.3	8.3	5.7
67.5°	1257.3	1165.7	1037.5	854.7	729.5	565.9	349.1	176.1	59.9	7.9	5.3
70°	1158.9	1067.7	932.3	757.0	637.9	489.0	300.1	151.2	51.3	6.8	4.5
72.5°	962.5	876.1	753.6	600.2	514.2	386.8	230.0	118.8	40.3	5.7	3.8
75°	711.0	628.5	535.3	417.0	338.5	244.7	143.3	76.9	26.4	4.5	3.0
77.5°	443.7	374.0	283.9	212.2	158.0	101.8	50.5	26.0	11.3	3.8	2.3
80°	234.1	190.8	137.6	99.5	73.1	45.6	23.4	12.1	6.0	3.0	1.5
82.5°	135.0	113.5	84.1	62.6	49.0	32.0	17.3	9.8	4.5	1.9	1.1
85°	48.6	41.8	46.7	35.4	26.8	17.7	12.4	7.9	3.0	1.5	1.1
87.5°	18.1	14.7	13.2	11.3	10.9	10.9	10.2	6.0	1.9	1.1	1.1
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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
2.5°	8.3	7.5	7.5	7.2	7.2	6.8	6.8	6.8	6.8	6.8	7.2
5°	6.8	6.4	6.4	6.4	6.0	6.0	6.8	7.2	7.5	7.9	7.5
7.5°	6.8	6.4	6.0	6.4	7.2	5.7	4.5	4.1	3.8	4.1	4.1
10°	7.5	7.2	7.9	5.3	3.8	3.4	3.8	3.8	3.8	4.9	6.0
12.5°	7.5	7.9	6.0	5.3	5.3	4.9	6.0	5.3	5.3	5.3	5.3
15°	10.2	7.5	6.4	5.7	6.4	6.8	6.8	6.4	5.7	5.3	6.4
17.5°	8.7	7.9	7.5	9.0	8.3	7.2	6.4	7.2	7.5	6.8	6.0
20°	12.1	10.9	10.6	9.0	8.3	8.3	8.7	7.2	6.8	6.8	7.5
22.5°	12.8	11.7	12.1	11.3	10.9	8.7	8.3	7.9	7.9	7.2	7.2
25°	15.5	15.8	13.9	12.1	10.9	10.2	9.4	7.9	7.9	7.2	7.5
27.5°	16.6	15.5	13.9	13.2	12.1	9.8	9.4	8.3	7.5	7.5	6.8
30°	17.3	15.8	14.7	13.2	11.7	10.6	9.4	7.9	7.2	7.2	6.8
32.5°	18.5	16.6	13.9	12.4	11.3	9.4	9.0	7.5	6.8	6.0	6.0
35°	17.0	15.1	13.2	11.7	9.8	8.7	7.9	7.2	6.0	5.7	5.3
37.5°	15.1	13.2	11.7	10.2	9.0	7.9	7.2	6.0	5.3	4.9	4.5
40°	13.6	11.3	10.2	8.7	7.9	6.8	6.0	4.9	4.1	3.8	3.4
42.5°	12.1	9.8	8.7	7.5	6.4	5.7	4.9	3.8	3.0	2.6	2.3
45°	10.6	8.7	7.2	6.4	5.3	4.5	3.8	2.6	1.9	1.5	1.1
47.5°	9.4	7.5	6.4	5.3	4.5	3.4	2.6	1.5	1.1	0.8	0.4
50°	8.3	6.4	5.3	4.5	3.4	2.6	1.9	1.1	0.8	0.4	0.4
52.5°	7.2	5.7	4.9	3.8	3.0	1.9	1.1	0.8	0.4	0.4	0.0
55°	6.4	5.3	4.1	3.0	2.3	1.5	0.8	0.4	0.4	0.0	0.0
57.5°	6.0	4.9	3.4	2.3	1.9	1.1	0.8	0.4	0.4	0.0	0.0
60°	5.7	4.1	2.6	1.9	1.5	0.8	0.4	0.4	0.4	0.0	0.0
62.5°	5.3	3.4	2.3	1.5	1.1	0.8	0.4	0.4	0.4	0.4	0.0
65°	4.1	2.6	1.5	1.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4
66°	3.8	2.3	1.5	1.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4
67.5°	3.4	2.3	1.1	1.1	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	2.6	1.5	1.1	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
72.5°	2.3	1.5	1.1	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	1.9	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.5	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
80°	1.1	1.1	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.4	0.4
82.5°	1.1	0.8	0.8	0.8	0.8	1.1	0.4	0.8	0.8	0.8	0.8
85°	1.1	0.8	0.8	1.1	1.1	1.1	0.4	1.1	1.1	1.1	0.8
87.5°	1.1	1.1	1.1	1.1	1.5	1.5	0.8	1.5	1.5	1.5	1.1
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°	10.2	10.2	10.2	10.2	10.2
2.5°	7.2	7.5	7.5	7.5	7.5
5°	7.5	6.8	7.2	7.2	7.2
7.5°	4.5	4.5	4.5	4.5	4.5
10°	6.4	6.4	6.4	6.4	6.4
12.5°	5.7	6.0	6.0	6.0	6.0
15°	6.8	7.2	7.2	7.2	7.5
17.5°	6.0	6.0	6.8	6.4	6.8
20°	7.2	7.2	7.2	7.2	7.2
22.5°	6.4	6.4	7.2	7.5	7.5
25°	7.2	6.8	6.8	6.8	6.8
27.5°	6.8	7.2	7.2	7.2	7.2
30°	6.4	6.0	6.4	6.4	6.8
32.5°	6.0	6.0	6.0	6.0	6.0
35°	5.3	5.3	5.3	5.7	5.7
37.5°	4.1	4.1	4.5	4.5	4.5
40°	3.4	3.0	3.0	3.4	3.4
42.5°	2.3	1.9	1.9	1.9	1.9
45°	1.1	0.8	0.8	0.8	0.8
47.5°	0.4	0.4	0.4	0.4	0.4
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°	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.0
85°	0.8	0.8	0.8	0.8	0.0
87.5°	1.1	1.1	1.1	1.1	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)