

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: P179265

Luminaire Tested: **UTLD-F01-LED-E-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179265
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-F01-LED-E-U-SL3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1277.9 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-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

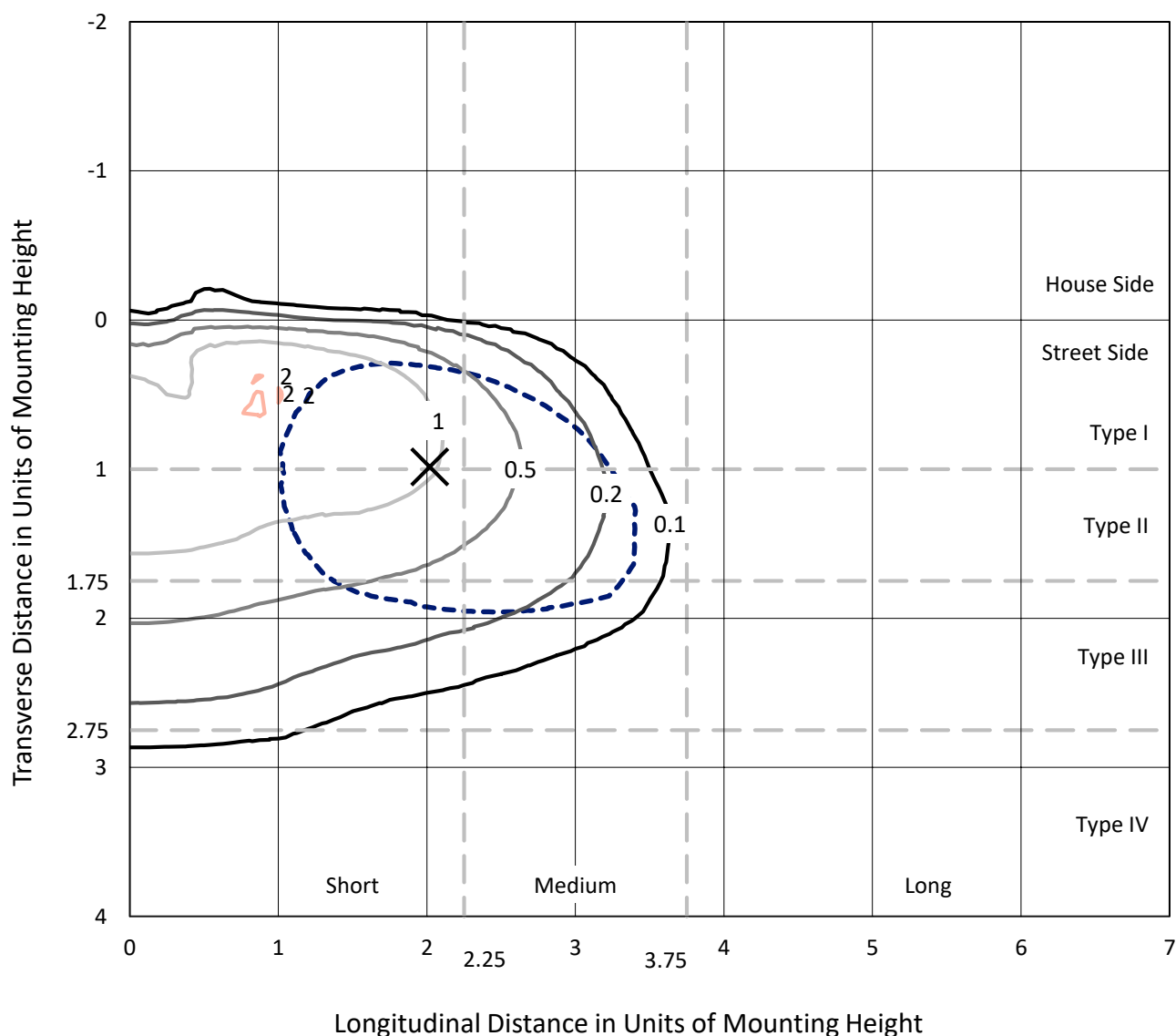


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

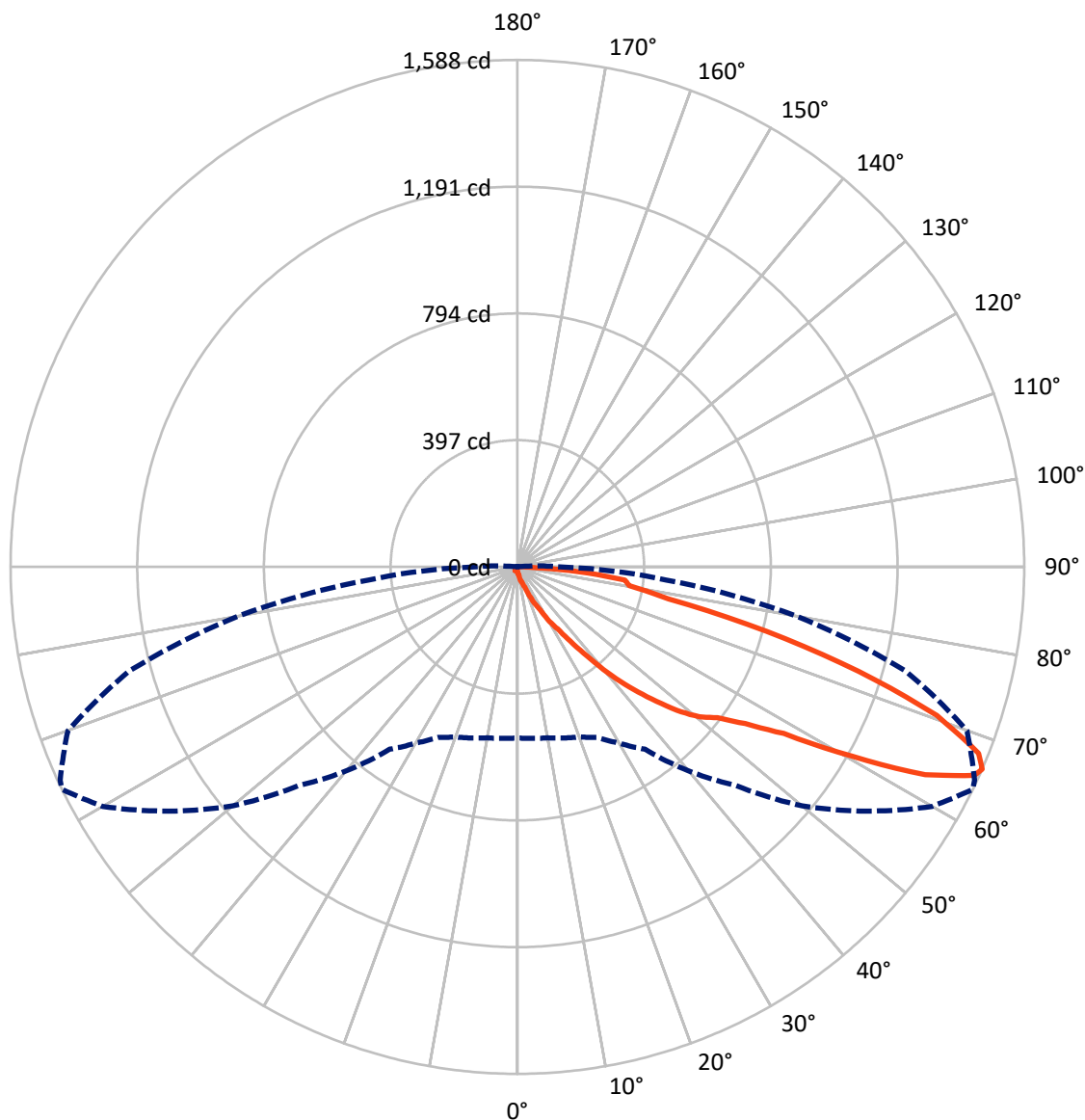


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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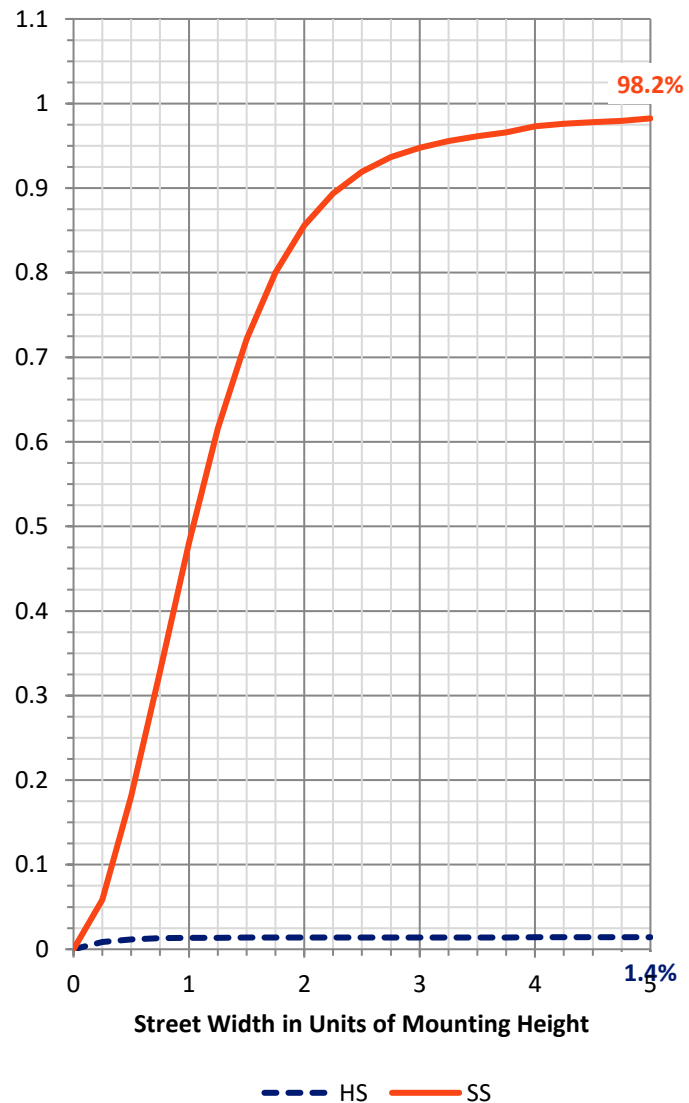
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18.7	0.0	18.7
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	1259.3	0.0	1259.3
	% Fixture	98.5	0.0	98.5
Total	Lumens	1277.9	0.0	1277.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	10.0	0.8
20°-30°	30.5	2.4
30°-40°	81.2	6.4
40°-50°	188.8	14.8
50°-60°	322.0	25.2
60°-70°	425.1	33.3
70°-80°	190.7	14.9
80°-90°	27.8	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°	1277.9	100.0
0°-180°	1277.9	100.0

Coefficient of Utilization



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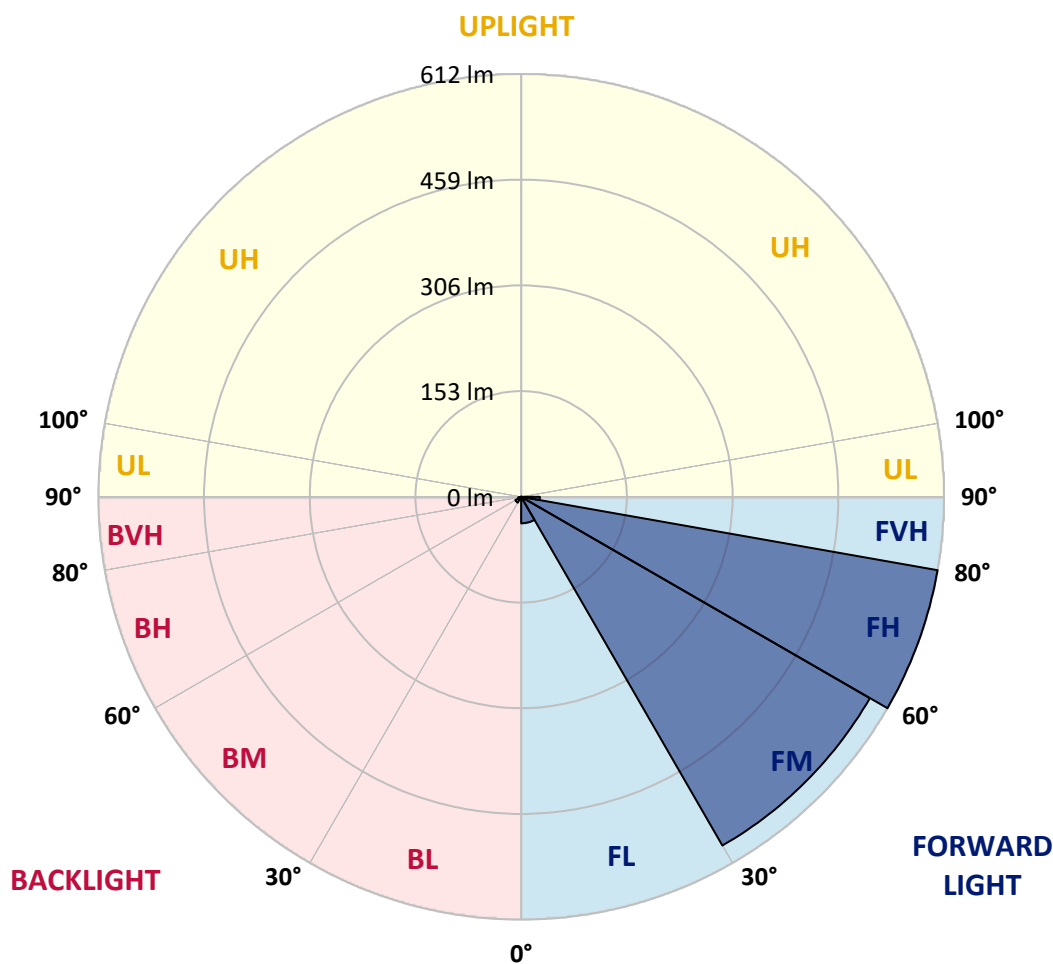
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	38.4	3.0			
FM	(30°-60°)	582.3	45.6			
FH	(60°-80°)	611.6	47.9			G0/660
FVH	(80°-90°)	27.0	2.1			G1/100
BL	(0°-30°)	3.9	0.3	B0/110		
BM	(30°-60°)	9.7	0.8	B0/220		
BH	(60°-80°)	4.3	0.3	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
2.5°	21.9	21.9	21.9	21.5	21.1	21.1	20.6	20.2	20.2	20.2	19.8
5°	29.7	28.5	27.7	26.4	25.6	25.6	24.8	24.4	23.9	23.5	22.7
7.5°	44.2	43.8	42.9	42.5	42.1	41.7	40.5	40.0	38.8	35.5	27.2
10°	56.1	54.1	54.1	51.2	49.5	47.9	46.2	45.4	45.4	42.5	40.5
12.5°	67.3	67.7	68.1	68.5	67.3	66.5	65.2	63.6	52.4	49.9	49.9
15°	89.6	88.7	87.5	81.3	72.2	70.6	67.3	67.7	73.5	69.8	59.4
17.5°	92.9	92.9	92.0	90.8	89.2	86.3	86.7	84.2	76.4	74.7	74.3
20°	119.7	119.7	118.1	113.9	104.4	90.8	93.7	90.4	90.8	89.2	84.6
22.5°	130.0	130.4	127.1	122.6	116.0	115.2	108.6	94.9	99.1	96.6	97.8
25°	164.7	163.9	159.3	149.8	141.2	120.9	111.4	113.5	107.7	104.4	119.7
27.5°	202.7	201.8	185.3	166.3	152.7	138.7	132.1	120.1	122.6	125.5	130.4
30°	223.3	221.2	213.0	198.5	182.0	163.9	141.2	137.9	135.0	137.4	171.7
32.5°	269.9	269.5	258.4	241.1	220.8	186.6	167.6	161.0	154.0	174.6	199.4
35°	322.0	320.3	312.0	286.5	260.0	234.0	220.0	199.0	205.1	217.5	255.9
37.5°	362.8	362.8	351.7	329.0	317.0	295.5	277.4	274.1	264.6	282.7	328.1
40°	385.9	388.4	390.9	383.0	371.5	362.4	352.5	345.9	349.6	358.3	404.5
42.5°	423.9	428.4	436.3	432.6	427.2	429.3	414.8	418.5	425.1	438.4	485.8
45°	479.2	482.9	491.6	498.2	507.3	502.3	475.1	494.5	508.5	517.2	567.5
47.5°	534.1	541.1	552.7	562.6	577.0	572.1	556.8	565.1	579.1	588.2	646.4
50°	582.0	588.6	601.0	615.8	622.0	634.0	628.2	632.4	648.9	656.3	713.3
52.5°	617.9	621.2	631.9	648.9	655.5	674.0	676.5	676.1	708.3	719.9	779.3
55°	636.9	640.2	650.5	663.7	672.4	697.6	695.1	702.1	750.0	771.9	846.6
57.5°	640.6	644.7	653.0	669.5	676.5	706.2	700.5	717.0	779.7	824.7	918.0
60°	633.6	638.1	645.1	660.8	670.7	699.2	707.9	730.6	809.8	882.1	1009.2
62.5°	603.5	610.5	614.6	631.5	641.0	665.0	704.6	746.7	843.3	936.1	1106.2
65°	557.2	560.9	566.7	579.1	590.3	614.2	667.0	728.1	851.9	970.0	1162.8
66°	535.8	539.1	543.6	554.8	566.7	589.0	636.9	697.2	833.0	968.3	1164.4
67.5°	494.1	495.7	504.0	512.7	525.9	539.9	576.6	636.5	776.8	926.7	1133.4
70°	333.5	338.9	361.6	391.7	410.3	408.2	431.3	484.2	608.0	753.3	977.8
72.5°	156.8	158.5	161.4	173.4	241.9	255.9	272.0	317.4	410.7	524.6	713.7
75°	128.4	130.0	135.0	141.2	155.6	172.5	178.3	196.1	263.8	325.3	436.3
77.5°	43.8	45.0	48.3	57.4	87.9	110.2	130.0	161.8	198.5	231.1	286.0
80°	18.2	19.4	21.1	19.4	22.7	37.6	47.5	69.3	120.9	177.5	226.6
82.5°	9.9	10.3	11.6	10.7	13.2	17.3	18.6	20.2	29.3	59.4	127.1
85°	2.9	2.9	3.3	5.4	7.8	11.6	11.6	11.1	11.1	16.9	31.8
87.5°	0.8	0.8	1.2	1.7	2.5	4.1	5.0	5.0	5.4	7.0	10.3
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
2.5°	19.8	19.8	19.8	19.8	19.4	19.4	18.2	16.5	14.9	13.2	12.0
5°	22.3	21.1	20.6	20.6	19.4	19.4	19.0	17.7	13.6	11.6	10.3
7.5°	25.2	23.5	22.7	22.7	21.5	19.8	19.0	18.2	14.0	11.1	9.9
10°	39.6	33.0	28.5	27.2	25.6	23.5	22.3	22.3	16.5	13.2	12.0
12.5°	48.3	45.8	42.9	40.9	29.7	26.8	25.6	22.3	17.3	12.8	11.1
15°	55.3	51.6	48.3	47.5	47.1	35.9	31.0	28.1	20.2	16.5	13.6
17.5°	79.7	63.6	58.2	57.8	52.4	39.6	34.3	28.1	21.9	16.5	13.6
20°	84.2	78.0	69.3	71.0	71.8	62.7	49.1	38.4	28.9	21.9	16.5
22.5°	108.1	104.8	99.5	97.8	82.1	71.8	53.2	45.0	31.4	21.9	16.5
25°	123.8	121.8	128.8	127.5	118.5	99.9	73.1	53.7	39.2	25.2	18.6
27.5°	154.4	164.3	150.7	154.8	137.4	120.1	96.2	66.5	41.7	26.4	19.0
30°	175.4	189.5	198.5	196.1	173.8	139.9	106.9	75.1	45.4	26.4	19.8
32.5°	220.4	229.9	231.6	226.6	213.4	176.7	128.0	86.3	47.5	27.2	21.1
35°	262.1	286.0	285.6	286.5	260.0	217.5	154.8	92.9	50.8	27.2	21.1
37.5°	342.6	355.8	354.2	353.7	324.4	265.8	182.4	112.3	54.5	27.2	20.6
40°	420.2	436.3	435.9	431.3	400.4	323.6	229.1	128.0	58.2	28.1	19.4
42.5°	495.3	502.7	515.1	516.8	463.9	390.1	276.6	149.4	62.3	28.9	18.6
45°	573.7	565.5	589.0	587.4	538.7	460.6	317.0	174.6	68.9	28.1	17.3
47.5°	653.0	651.3	671.6	656.7	620.4	544.8	374.8	201.4	73.1	26.8	16.1
50°	723.2	736.4	738.0	716.1	697.6	627.4	451.1	237.3	81.3	24.8	15.3
52.5°	784.7	806.1	784.7	780.1	779.3	693.0	515.5	269.5	89.2	22.7	14.0
55°	861.4	877.1	865.6	867.2	875.5	804.5	594.8	329.0	102.8	20.6	12.8
57.5°	959.7	991.0	984.4	1013.3	1015.0	962.1	707.5	396.7	118.9	19.0	11.6
60°	1090.1	1167.3	1204.9	1237.0	1199.9	1133.9	832.5	452.8	131.7	17.3	10.3
62.5°	1239.9	1367.1	1433.9	1470.3	1367.9	1226.7	883.3	476.7	134.6	15.3	9.1
65°	1325.8	1484.7	1573.9	1576.3	1478.5	1254.8	890.7	475.9	131.7	13.2	7.8
66°	1333.6	1500.0	1587.9	1580.5	1498.3	1258.1	885.8	468.5	128.8	12.4	7.4
67.5°	1305.2	1471.5	1558.6	1544.6	1486.4	1239.5	853.2	449.5	123.0	11.1	7.0
70°	1156.6	1306.0	1394.3	1375.3	1379.5	1130.1	716.1	383.5	107.3	9.1	6.2
72.5°	911.8	1079.8	1118.6	1104.6	1129.7	835.8	506.0	269.1	80.1	7.4	5.4
75°	611.7	779.7	806.5	795.4	716.1	421.0	201.0	113.5	41.7	6.2	4.5
77.5°	368.6	491.2	484.2	485.4	383.5	170.9	38.0	26.4	14.0	5.0	3.3
80°	269.5	340.9	355.0	363.6	300.9	111.9	21.1	15.7	8.3	3.7	2.5
82.5°	218.8	305.4	339.7	343.0	272.4	88.7	16.1	12.4	6.2	2.9	1.7
85°	59.9	156.0	192.8	182.9	116.0	30.1	11.6	8.3	4.1	2.1	1.7
87.5°	14.0	35.5	45.0	46.2	33.0	11.1	9.9	7.8	2.9	1.7	1.7
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
2.5°	11.6	11.1	10.7	10.3	10.3	9.9	9.9	9.9	9.5	9.9	9.9
5°	9.9	9.5	9.1	8.7	8.3	8.3	8.3	8.7	9.1	9.1	9.1
7.5°	9.5	8.7	8.3	8.3	8.3	5.8	4.1	3.7	3.7	3.7	4.1
10°	9.9	8.7	9.1	5.0	3.3	3.3	3.3	3.3	3.3	4.5	5.4
12.5°	10.3	9.5	5.4	5.0	4.5	4.1	5.0	4.5	4.5	5.0	5.0
15°	12.0	7.4	5.8	5.0	5.8	6.2	5.8	5.4	4.5	4.5	5.4
17.5°	9.9	7.4	6.6	7.4	7.4	6.2	5.4	6.2	6.2	5.8	5.4
20°	12.0	10.3	9.1	7.8	7.0	6.6	7.0	6.2	5.8	5.8	6.2
22.5°	12.8	11.1	11.6	10.3	9.5	7.4	7.0	6.2	6.6	6.2	6.2
25°	15.7	15.7	13.6	10.7	9.9	8.7	8.3	6.6	6.6	5.8	6.2
27.5°	16.9	15.3	13.6	12.4	11.1	8.7	8.3	7.0	6.2	6.2	5.4
30°	17.7	15.7	14.0	12.4	10.7	9.5	8.3	7.0	6.2	5.8	5.8
32.5°	19.0	16.5	13.6	11.6	10.3	8.7	8.3	6.6	5.8	5.0	5.0
35°	17.7	15.3	13.2	11.6	9.5	8.3	7.4	6.2	5.0	5.0	4.5
37.5°	16.5	14.0	12.0	10.7	9.1	7.4	6.6	5.4	4.5	4.1	4.1
40°	15.7	13.2	11.1	9.5	7.8	6.6	5.8	4.5	3.7	3.3	3.3
42.5°	14.4	12.0	9.9	8.3	7.0	5.8	5.0	3.7	2.9	2.5	2.5
45°	13.6	11.1	9.1	7.4	5.8	5.0	3.7	2.9	2.1	1.7	1.7
47.5°	12.8	10.3	7.8	6.2	5.0	4.1	2.9	2.1	1.2	1.2	0.8
50°	11.6	9.1	7.0	5.4	4.1	3.3	2.1	1.2	0.8	0.4	0.4
52.5°	10.7	7.8	6.2	4.5	3.3	2.5	1.7	0.8	0.4	0.4	0.4
55°	9.5	7.0	5.4	3.7	2.9	1.7	0.8	0.4	0.4	0.4	0.4
57.5°	8.3	5.8	4.5	3.3	2.1	1.2	0.8	0.4	0.4	0.4	0.0
60°	7.0	5.0	3.7	2.5	1.7	0.8	0.4	0.4	0.4	0.4	0.0
62.5°	6.2	4.1	2.9	2.1	1.2	0.8	0.4	0.4	0.4	0.4	0.0
65°	5.4	3.3	2.5	1.7	0.8	0.8	0.4	0.4	0.4	0.4	0.0
66°	5.0	3.3	2.1	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.0
67.5°	4.5	2.9	2.1	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	4.1	2.5	1.7	1.2	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	3.7	2.1	1.2	1.2	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	2.5	1.2	1.2	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
77.5°	1.7	1.2	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
80°	1.7	1.2	1.2	1.2	1.2	1.2	0.4	1.2	1.2	1.2	0.8
82.5°	1.2	1.2	1.2	1.2	1.7	1.7	0.4	1.7	1.7	1.2	1.2
85°	1.2	1.2	1.2	1.7	1.7	2.1	0.4	1.7	1.7	1.7	1.7
87.5°	1.2	1.7	1.7	1.7	2.1	2.1	0.8	2.1	2.1	2.1	1.7
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):

	160°	165°	170°	175°	180°
0°	15.3	15.3	15.3	15.3	15.3
2.5°	9.9	10.3	10.3	10.7	10.7
5°	8.3	8.3	7.4	7.4	7.0
7.5°	4.1	4.1	4.5	4.5	4.5
10°	5.8	6.2	6.2	6.2	6.6
12.5°	5.0	5.4	5.8	5.8	5.8
15°	5.8	6.2	6.6	6.6	6.6
17.5°	5.4	5.4	5.8	5.8	6.2
20°	6.2	6.2	6.2	6.2	6.2
22.5°	5.4	5.4	6.2	6.6	6.6
25°	6.2	5.8	5.8	6.2	5.8
27.5°	5.4	5.8	6.2	6.2	6.2
30°	5.4	5.4	5.4	5.4	5.8
32.5°	5.4	5.4	5.4	5.4	5.4
35°	4.5	5.0	5.0	5.4	5.4
37.5°	4.1	4.1	4.5	4.5	4.5
40°	3.3	3.3	3.3	3.7	3.7
42.5°	2.5	2.5	2.5	2.9	2.5
45°	1.7	1.7	1.7	1.7	1.7
47.5°	0.8	0.8	1.2	1.2	1.2
50°	0.4	0.4	0.8	0.8	0.8
52.5°	0.4	0.4	0.4	0.8	0.8
55°	0.4	0.4	0.4	0.4	0.8
57.5°	0.0	0.4	0.4	0.4	0.4
60°	0.0	0.4	0.4	0.4	0.4
62.5°	0.0	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
66°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.8
72.5°	0.4	0.4	0.8	0.4	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	1.2	1.2	0.8	0.8
82.5°	1.2	1.2	1.2	1.2	0.8
85°	1.2	1.2	1.7	1.7	0.8
87.5°	1.7	1.7	1.7	1.7	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)