

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: P179266

Luminaire Tested: **UTLD-F01-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179266
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1311.3 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 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

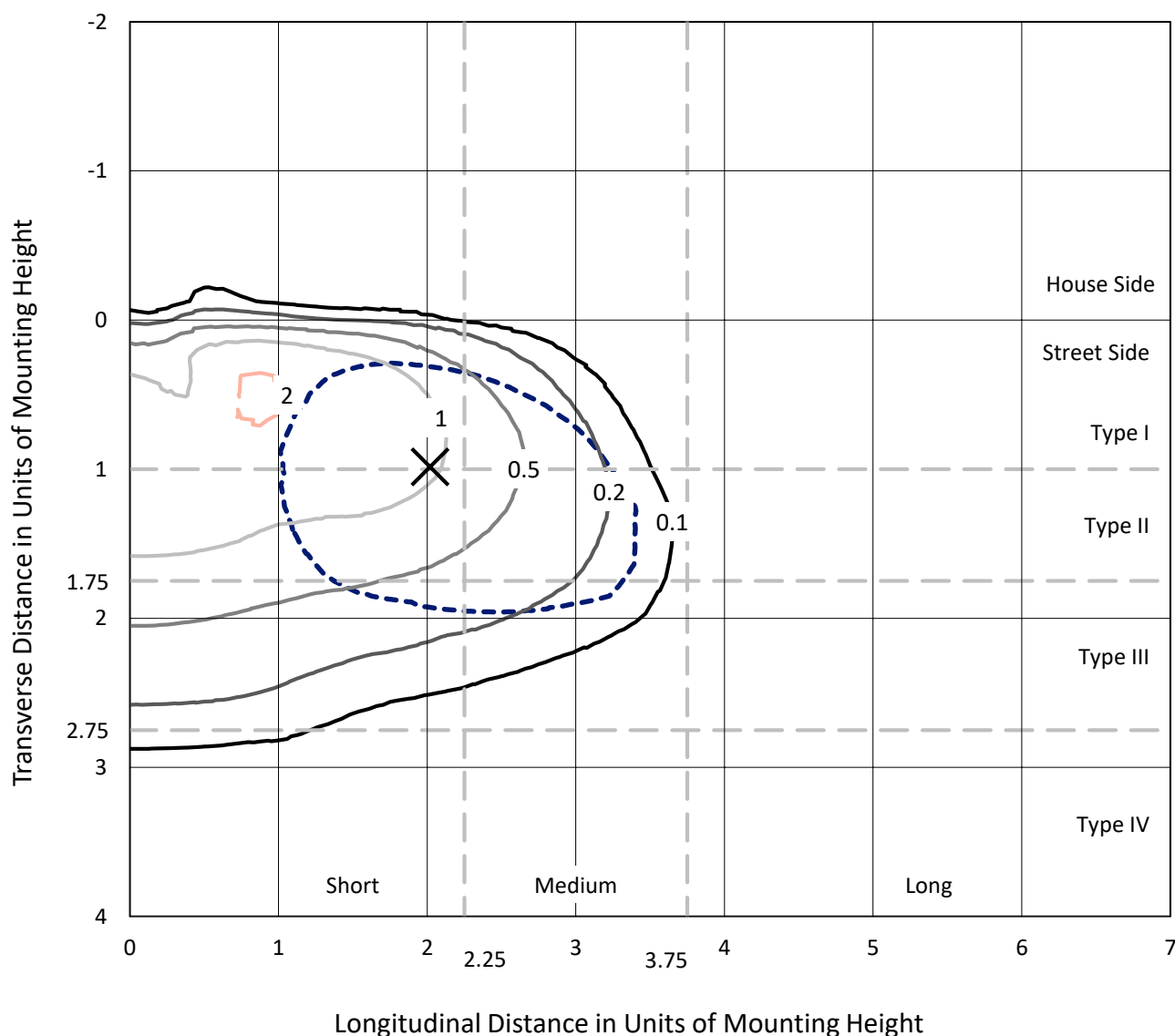


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

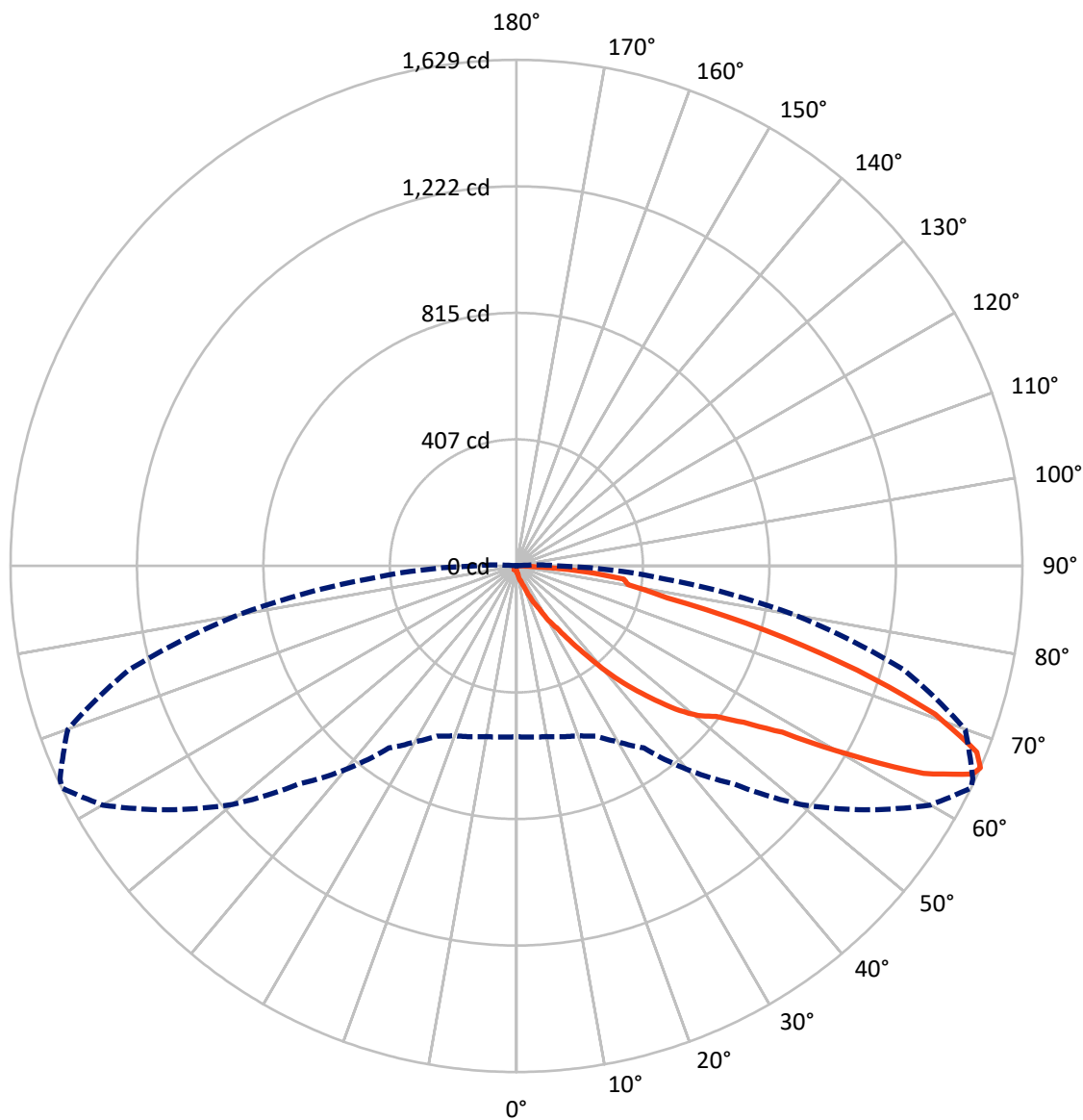


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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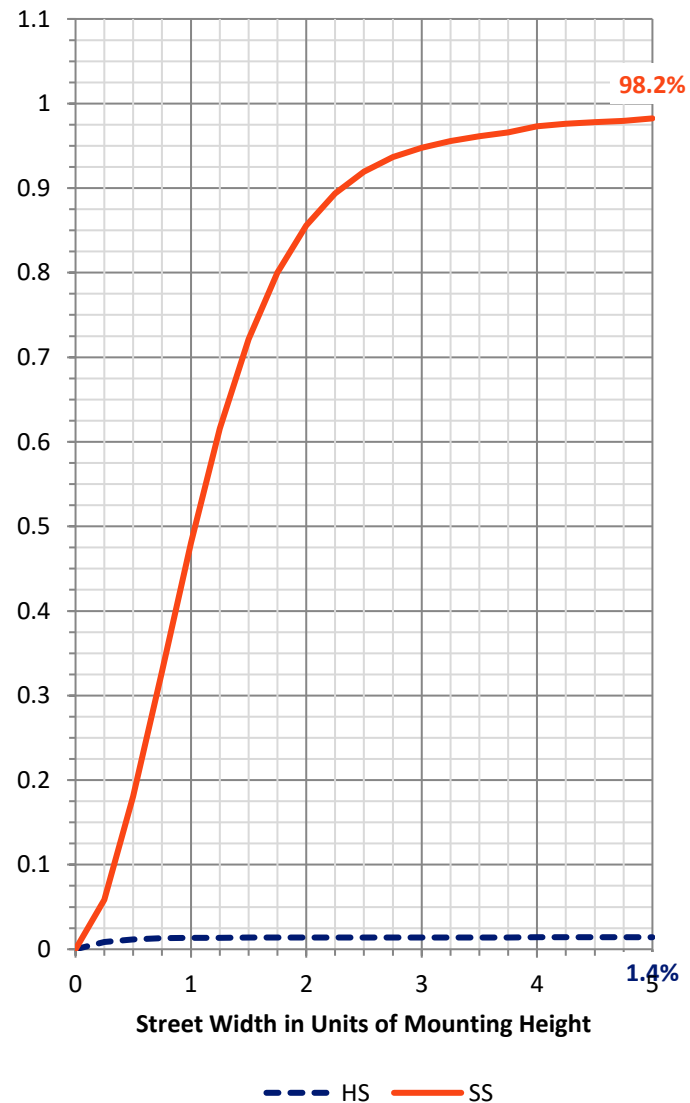
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.1	0.0	19.1
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	1292.1	0.0	1292.1
	% Fixture	98.5	0.0	98.5
Total	Lumens	1311.3	0.0	1311.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	10.2	0.8
20°-30°	31.3	2.4
30°-40°	83.3	6.4
40°-50°	193.8	14.8
50°-60°	330.4	25.2
60°-70°	436.2	33.3
70°-80°	195.7	14.9
80°-90°	28.5	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°	1311.3	100.0
0°-180°	1311.3	100.0

Coefficient of Utilization



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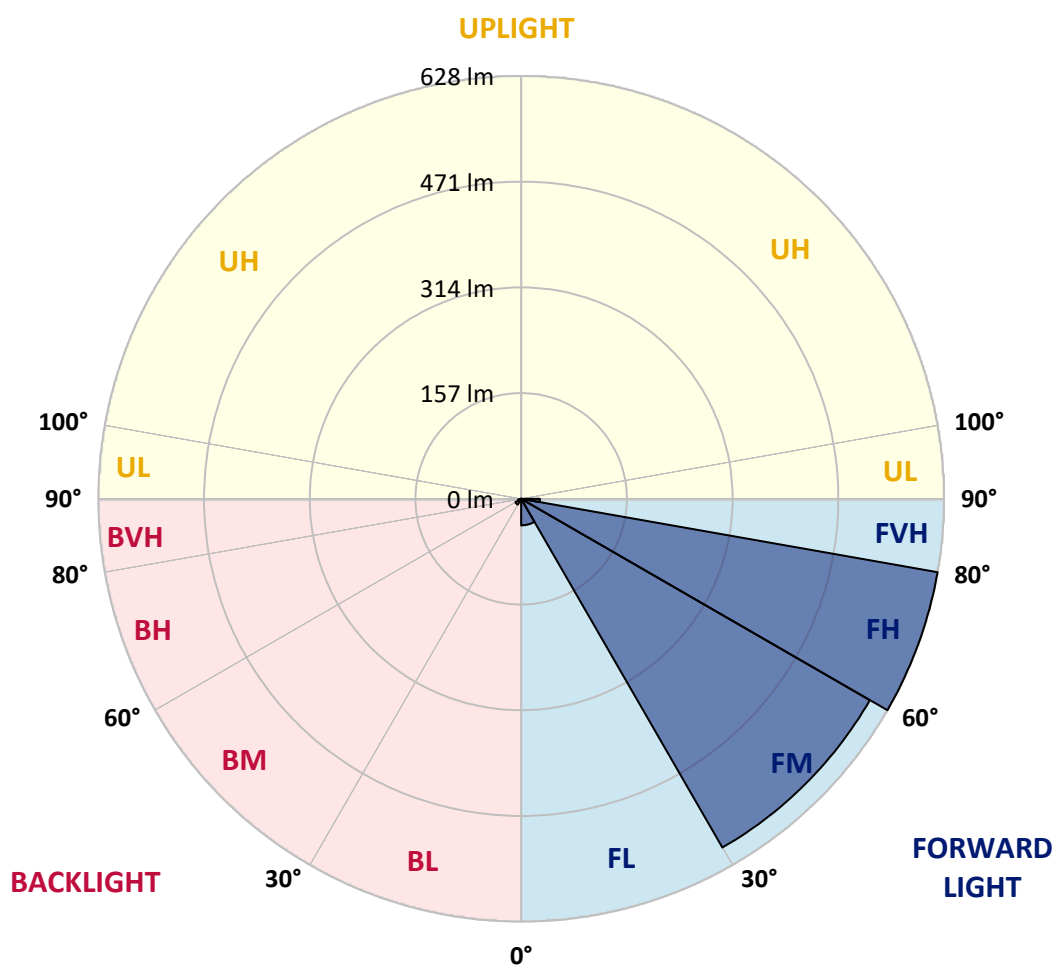
CATALOG NUMBER: UTLD-F01-LED-E-U-SL3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	39.4	3.0			
FM	(30°-60°)	597.5	45.6			
FH	(60°-80°)	627.5	47.9			G0/660
FVH	(80°-90°)	27.7	2.1			G1/100
BL	(0°-30°)	4.0	0.3	B0/110		
BM	(30°-60°)	9.9	0.8	B0/220		
BH	(60°-80°)	4.4	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°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
2.5°	22.4	22.4	22.4	22.0	21.6	21.6	21.2	20.8	20.8	20.8	20.3
5°	30.5	29.2	28.4	27.1	26.3	26.3	25.4	25.0	24.6	24.1	23.3
7.5°	45.3	44.9	44.0	43.6	43.2	42.8	41.5	41.1	39.8	36.4	28.0
10°	57.6	55.5	55.5	52.5	50.8	49.1	47.4	46.6	46.6	43.6	41.5
12.5°	69.0	69.5	69.9	70.3	69.0	68.2	66.9	65.2	53.8	51.2	51.2
15°	91.9	91.1	89.8	83.4	74.1	72.4	69.0	69.5	75.4	71.6	61.0
17.5°	95.3	95.3	94.4	93.2	91.5	88.5	88.9	86.4	78.4	76.7	76.2
20°	122.8	122.8	121.1	116.9	107.2	93.2	96.1	92.8	93.2	91.5	86.8
22.5°	133.4	133.8	130.4	125.8	119.0	118.2	111.4	97.4	101.6	99.1	100.4
25°	169.0	168.1	163.5	153.7	144.8	124.1	114.4	116.5	110.5	107.2	122.8
27.5°	208.0	207.1	190.2	170.7	156.7	142.3	135.5	123.2	125.8	128.8	133.8
30°	229.1	227.0	218.5	203.7	186.8	168.1	144.8	141.5	138.5	141.0	176.2
32.5°	277.0	276.6	265.1	247.3	226.6	191.4	172.0	165.2	158.0	179.2	204.6
35°	330.4	328.7	320.2	293.9	266.8	240.1	225.7	204.1	210.5	223.2	262.6
37.5°	372.3	372.3	360.9	337.6	325.3	303.3	284.6	281.2	271.5	290.1	336.7
40°	396.0	398.5	401.1	393.0	381.2	371.9	361.7	354.9	358.7	367.6	415.1
42.5°	435.0	439.6	447.7	443.9	438.4	440.5	425.7	429.5	436.2	449.8	498.5
45°	491.7	495.5	504.4	511.2	520.5	515.4	487.5	507.4	521.8	530.7	582.4
47.5°	548.1	555.3	567.1	577.3	592.1	587.0	571.4	579.8	594.2	603.5	663.3
50°	597.2	604.0	616.7	631.9	638.3	650.6	644.6	648.9	665.8	673.4	731.9
52.5°	634.0	637.4	648.4	665.8	672.6	691.6	694.2	693.8	726.8	738.6	799.6
55°	653.5	656.9	667.5	681.0	689.9	715.8	713.2	720.4	769.6	792.0	868.7
57.5°	657.3	661.6	670.0	687.0	694.2	724.7	718.7	735.7	800.1	846.2	941.9
60°	650.1	654.8	662.0	678.1	688.2	717.5	726.4	749.7	831.0	905.1	1035.5
62.5°	619.2	626.4	630.6	648.0	657.8	682.3	723.0	766.2	865.3	960.6	1135.1
65°	571.8	575.6	581.5	594.2	605.7	630.2	684.4	747.1	874.2	995.3	1193.1
66°	549.8	553.1	557.8	569.2	581.5	604.4	653.5	715.4	854.7	993.6	1194.8
67.5°	507.0	508.7	517.1	526.0	539.6	554.0	591.7	653.1	797.1	950.8	1163.0
70°	342.2	347.7	371.0	401.9	421.0	418.9	442.6	496.8	623.9	773.0	1003.4
72.5°	160.9	162.6	165.6	177.9	248.2	262.6	279.1	325.7	421.4	538.3	732.3
75°	131.7	133.4	138.5	144.8	159.7	177.0	183.0	201.2	270.6	333.7	447.7
77.5°	44.9	46.2	49.6	58.9	90.2	113.1	133.4	166.0	203.7	237.2	293.5
80°	18.6	19.9	21.6	19.9	23.3	38.5	48.7	71.2	124.1	182.1	232.5
82.5°	10.2	10.6	11.9	11.0	13.6	17.8	19.1	20.8	30.1	61.0	130.4
85°	3.0	3.0	3.4	5.5	8.0	11.9	11.9	11.4	11.4	17.4	32.6
87.5°	0.8	0.8	1.3	1.7	2.5	4.2	5.1	5.1	5.5	7.2	10.6
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°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
2.5°	20.3	20.3	20.3	20.3	19.9	19.9	18.6	16.9	15.2	13.6	12.3
5°	22.9	21.6	21.2	21.2	19.9	19.9	19.5	18.2	14.0	11.9	10.6
7.5°	25.8	24.1	23.3	23.3	22.0	20.3	19.5	18.6	14.4	11.4	10.2
10°	40.7	33.9	29.2	28.0	26.3	24.1	22.9	22.9	16.9	13.6	12.3
12.5°	49.6	47.0	44.0	41.9	30.5	27.5	26.3	22.9	17.8	13.1	11.4
15°	56.8	52.9	49.6	48.7	48.3	36.8	31.8	28.8	20.8	16.9	14.0
17.5°	81.7	65.2	59.7	59.3	53.8	40.7	35.2	28.8	22.4	16.9	14.0
20°	86.4	80.0	71.2	72.8	73.7	64.4	50.4	39.4	29.6	22.4	16.9
22.5°	111.0	107.6	102.1	100.4	84.3	73.7	54.6	46.2	32.2	22.4	16.9
25°	127.1	124.9	132.1	130.9	121.6	102.5	75.0	55.1	40.2	25.8	19.1
27.5°	158.4	168.6	154.6	158.8	141.0	123.2	98.7	68.2	42.8	27.1	19.5
30°	180.0	194.4	203.7	201.2	178.3	143.6	109.7	77.1	46.6	27.1	20.3
32.5°	226.2	235.9	237.6	232.5	219.0	181.3	131.3	88.5	48.7	28.0	21.6
35°	268.9	293.5	293.1	293.9	266.8	223.2	158.8	95.3	52.1	28.0	21.6
37.5°	351.5	365.1	363.4	363.0	332.9	272.8	187.2	115.2	55.9	28.0	21.2
40°	431.2	447.7	447.3	442.6	410.8	332.1	235.1	131.3	59.7	28.8	19.9
42.5°	508.2	515.9	528.6	530.3	476.1	400.2	283.8	153.3	64.0	29.6	19.1
45°	588.7	580.2	604.4	602.7	552.7	472.7	325.3	179.2	70.7	28.8	17.8
47.5°	670.0	668.3	689.1	673.8	636.6	559.1	384.6	206.7	75.0	27.5	16.5
50°	742.0	755.6	757.3	734.8	715.8	643.8	462.9	243.5	83.4	25.4	15.7
52.5°	805.1	827.2	805.1	800.5	799.6	711.1	529.0	276.6	91.5	23.3	14.4
55°	883.9	900.0	888.2	889.9	898.3	825.5	610.3	337.6	105.5	21.2	13.1
57.5°	984.7	1016.9	1010.1	1039.8	1041.5	987.3	725.9	407.0	122.0	19.5	11.9
60°	1118.6	1197.8	1236.3	1269.3	1231.2	1163.5	854.3	464.6	135.1	17.8	10.6
62.5°	1272.3	1402.8	1471.4	1508.6	1403.6	1258.8	906.4	489.2	138.1	15.7	9.3
65°	1360.4	1523.5	1614.9	1617.5	1517.1	1287.6	914.0	488.3	135.1	13.6	8.0
66°	1368.5	1539.1	1629.3	1621.7	1537.4	1290.9	908.9	480.7	132.1	12.7	7.6
67.5°	1339.2	1509.9	1599.3	1584.9	1525.2	1271.9	875.5	461.2	126.2	11.4	7.2
70°	1186.8	1340.1	1430.7	1411.2	1415.5	1159.6	734.8	393.5	110.1	9.3	6.4
72.5°	935.6	1108.0	1147.8	1133.4	1159.2	857.7	519.3	276.1	82.2	7.6	5.5
75°	627.7	800.1	827.6	816.2	734.8	432.0	206.3	116.5	42.8	6.4	4.7
77.5°	378.2	504.0	496.8	498.1	393.5	175.3	39.0	27.1	14.4	5.1	3.4
80°	276.6	349.8	364.2	373.1	308.8	114.8	21.6	16.1	8.5	3.8	2.5
82.5°	224.5	313.4	348.6	352.0	279.5	91.1	16.5	12.7	6.4	3.0	1.7
85°	61.4	160.1	197.8	187.6	119.0	30.9	11.9	8.5	4.2	2.1	1.7
87.5°	14.4	36.4	46.2	47.4	33.9	11.4	10.2	8.0	3.0	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°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
2.5°	11.9	11.4	11.0	10.6	10.6	10.2	10.2	10.2	9.7	10.2	10.2
5°	10.2	9.7	9.3	8.9	8.5	8.5	8.5	8.9	9.3	9.3	9.3
7.5°	9.7	8.9	8.5	8.5	8.5	5.9	4.2	3.8	3.8	3.8	4.2
10°	10.2	8.9	9.3	5.1	3.4	3.4	3.4	3.4	3.4	4.7	5.5
12.5°	10.6	9.7	5.5	5.1	4.7	4.2	5.1	4.7	4.7	5.1	5.1
15°	12.3	7.6	5.9	5.1	5.9	6.4	5.9	5.5	4.7	4.7	5.5
17.5°	10.2	7.6	6.8	7.6	7.6	6.4	5.5	6.4	6.4	5.9	5.5
20°	12.3	10.6	9.3	8.0	7.2	6.8	7.2	6.4	5.9	5.9	6.4
22.5°	13.1	11.4	11.9	10.6	9.7	7.6	7.2	6.4	6.8	6.4	6.4
25°	16.1	16.1	14.0	11.0	10.2	8.9	8.5	6.8	6.8	5.9	6.4
27.5°	17.4	15.7	14.0	12.7	11.4	8.9	8.5	7.2	6.4	6.4	5.5
30°	18.2	16.1	14.4	12.7	11.0	9.7	8.5	7.2	6.4	5.9	5.9
32.5°	19.5	16.9	14.0	11.9	10.6	8.9	8.5	6.8	5.9	5.1	5.1
35°	18.2	15.7	13.6	11.9	9.7	8.5	7.6	6.4	5.1	5.1	4.7
37.5°	16.9	14.4	12.3	11.0	9.3	7.6	6.8	5.5	4.7	4.2	4.2
40°	16.1	13.6	11.4	9.7	8.0	6.8	5.9	4.7	3.8	3.4	3.4
42.5°	14.8	12.3	10.2	8.5	7.2	5.9	5.1	3.8	3.0	2.5	2.5
45°	14.0	11.4	9.3	7.6	5.9	5.1	3.8	3.0	2.1	1.7	1.7
47.5°	13.1	10.6	8.0	6.4	5.1	4.2	3.0	2.1	1.3	1.3	0.8
50°	11.9	9.3	7.2	5.5	4.2	3.4	2.1	1.3	0.8	0.4	0.4
52.5°	11.0	8.0	6.4	4.7	3.4	2.5	1.7	0.8	0.4	0.4	0.4
55°	9.7	7.2	5.5	3.8	3.0	1.7	0.8	0.4	0.4	0.4	0.4
57.5°	8.5	5.9	4.7	3.4	2.1	1.3	0.8	0.4	0.4	0.4	0.0
60°	7.2	5.1	3.8	2.5	1.7	0.8	0.4	0.4	0.4	0.4	0.0
62.5°	6.4	4.2	3.0	2.1	1.3	0.8	0.4	0.4	0.4	0.4	0.0
65°	5.5	3.4	2.5	1.7	0.8	0.8	0.4	0.4	0.4	0.4	0.0
66°	5.1	3.4	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.0
67.5°	4.7	3.0	2.1	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	4.2	2.5	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	3.8	2.1	1.3	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	2.5	1.3	1.3	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
77.5°	1.7	1.3	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8
80°	1.7	1.3	1.3	1.3	1.3	1.3	0.4	1.3	1.3	1.3	0.8
82.5°	1.3	1.3	1.3	1.3	1.7	1.7	0.4	1.7	1.7	1.3	1.3
85°	1.3	1.3	1.3	1.7	1.7	2.1	0.4	1.7	1.7	1.7	1.7
87.5°	1.3	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°	15.7	15.7	15.7	15.7	15.7
2.5°	10.2	10.6	10.6	11.0	11.0
5°	8.5	8.5	7.6	7.6	7.2
7.5°	4.2	4.2	4.7	4.7	4.7
10°	5.9	6.4	6.4	6.4	6.8
12.5°	5.1	5.5	5.9	5.9	5.9
15°	5.9	6.4	6.8	6.8	6.8
17.5°	5.5	5.5	5.9	5.9	6.4
20°	6.4	6.4	6.4	6.4	6.4
22.5°	5.5	5.5	6.4	6.8	6.8
25°	6.4	5.9	5.9	6.4	5.9
27.5°	5.5	5.9	6.4	6.4	6.4
30°	5.5	5.5	5.5	5.5	5.9
32.5°	5.5	5.5	5.5	5.5	5.5
35°	4.7	5.1	5.1	5.5	5.5
37.5°	4.2	4.2	4.7	4.7	4.7
40°	3.4	3.4	3.4	3.8	3.8
42.5°	2.5	2.5	2.5	3.0	2.5
45°	1.7	1.7	1.7	1.7	1.7
47.5°	0.8	0.8	1.3	1.3	1.3
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	1.3	1.3	0.8	0.8
82.5°	1.3	1.3	1.3	1.3	0.8
85°	1.3	1.3	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)