

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: P179350

Luminaire Tested: **UTLD-E01-LED-E-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179350
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-T3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1425.9 lumens
Efficiency: N/A
Efficacy: 57.7 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): 24.7
Input Voltage (V): NR
Input Current (A_{in}): 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

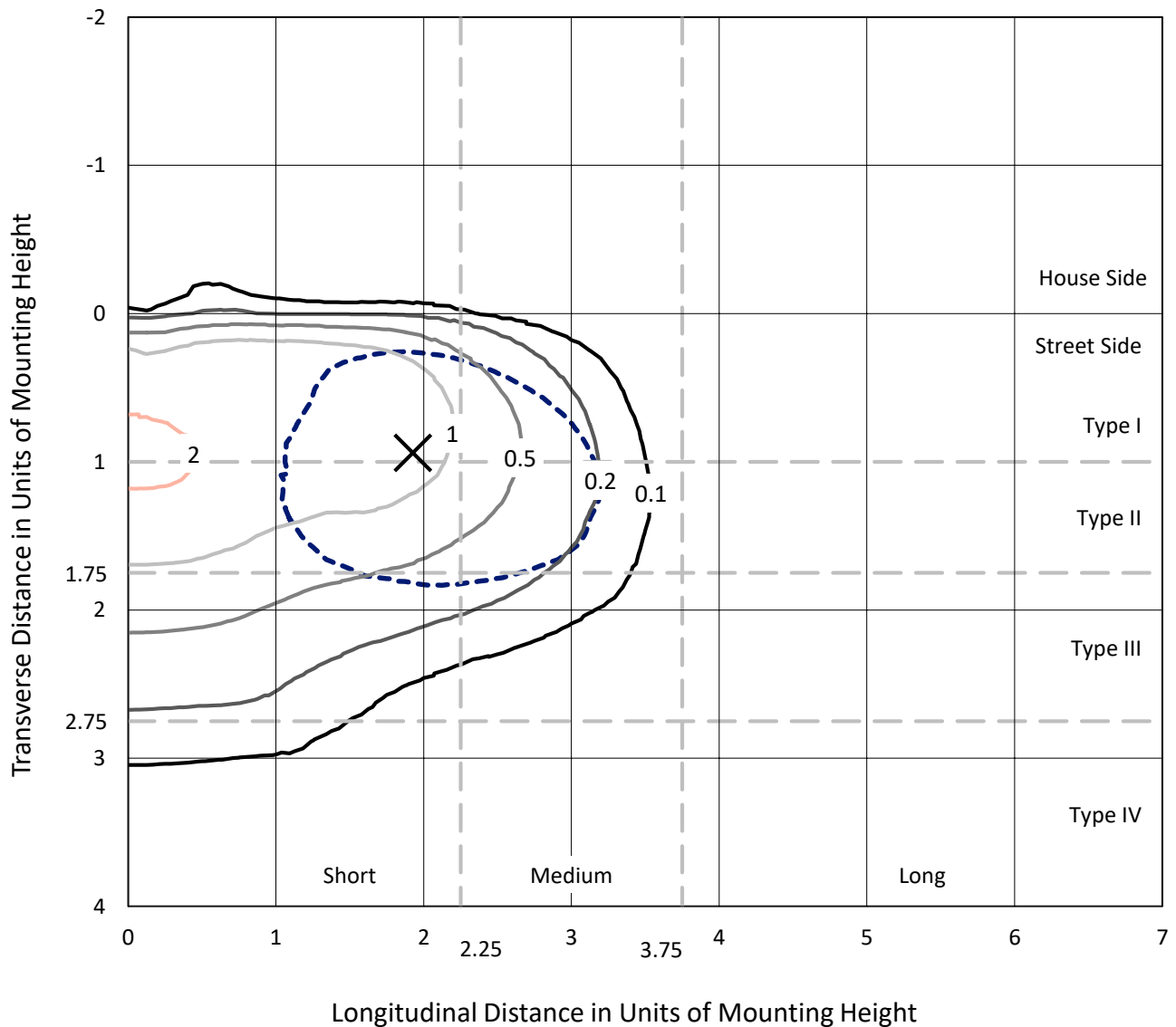


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Iso-Footcandle Lines of Horizontal Illumination

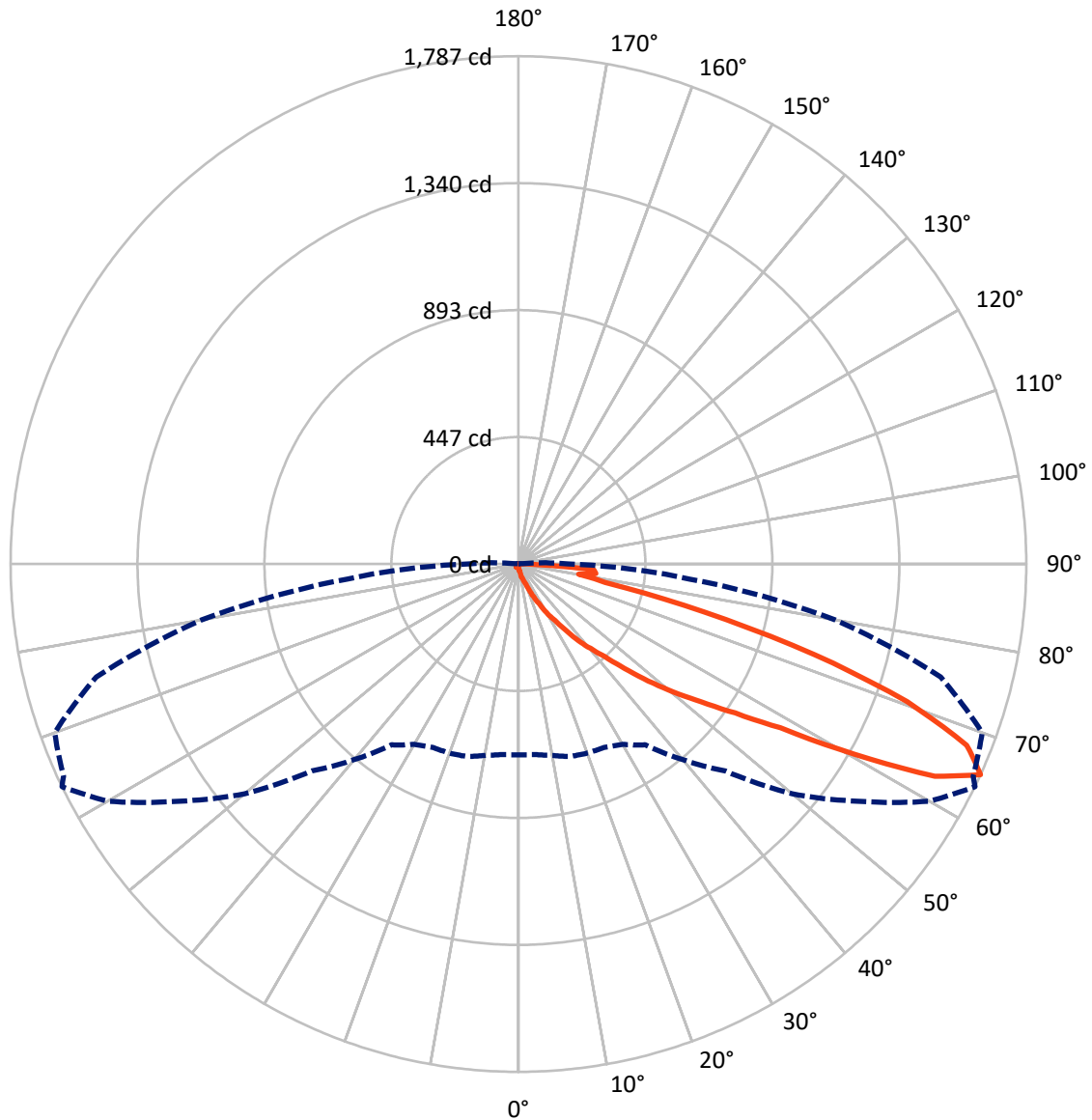
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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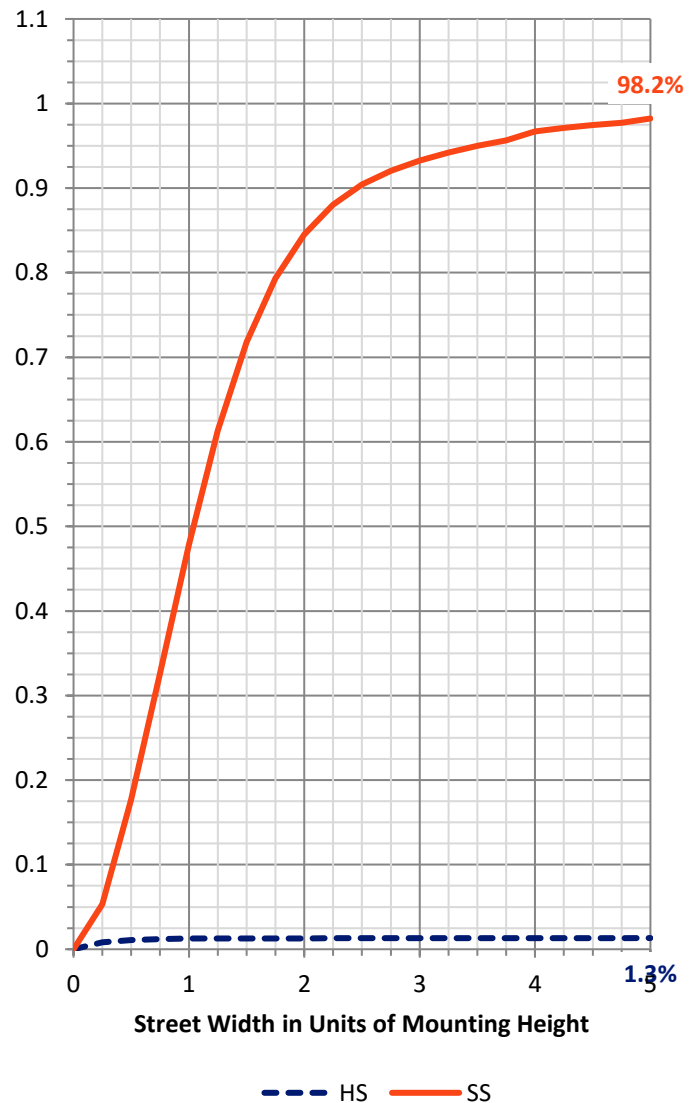
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19.4	0.0	19.4
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	1406.5	0.0	1406.5
	% Fixture	98.6	0.0	98.6
Total	Lumens	1425.9	0.0	1425.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	12.3	0.9
20°-30°	38.7	2.7
30°-40°	93.9	6.6
40°-50°	199.0	14.0
50°-60°	358.3	25.1
60°-70°	479.8	33.6
70°-80°	207.4	14.5
80°-90°	34.8	2.4
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°	1425.9	100.0
0°-180°	1425.9	100.0



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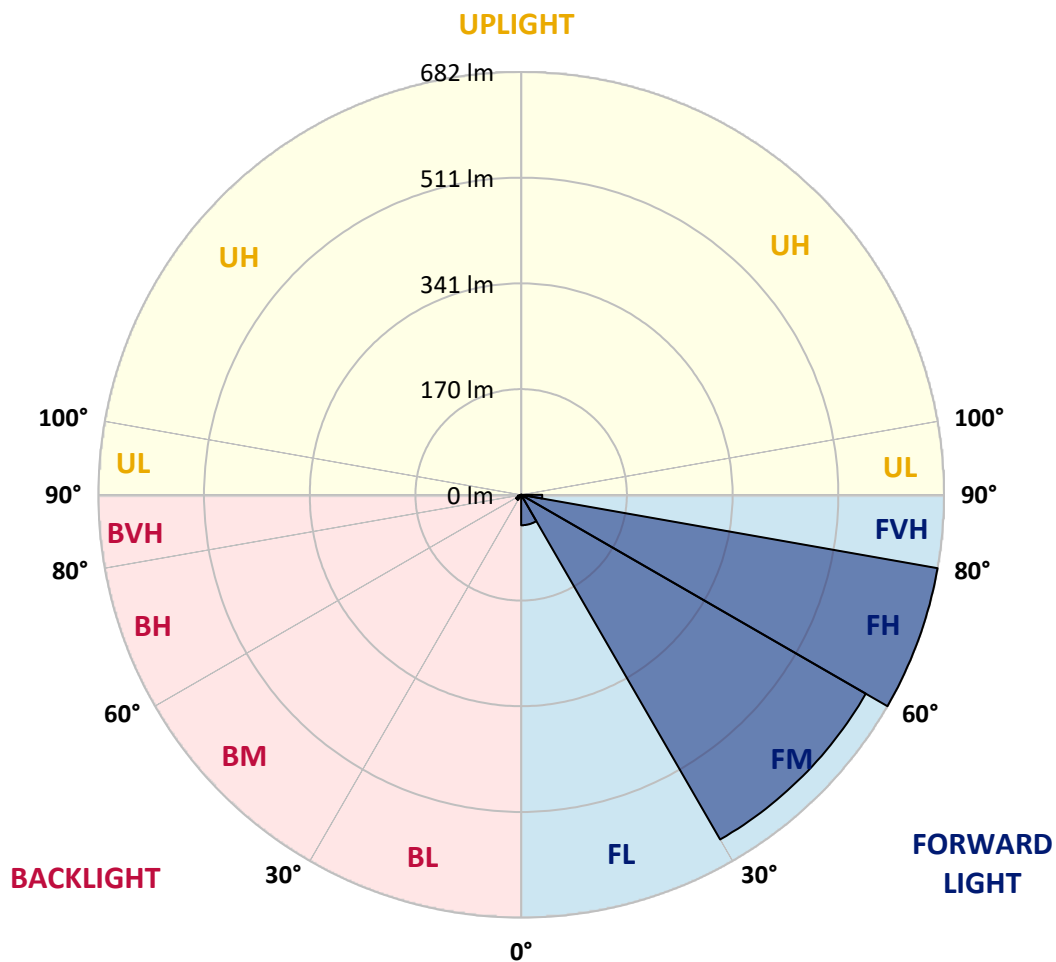
CATALOG NUMBER: UTLD-E01-LED-E-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	49.1	3.4			
FM (30°-60°)	641.6	45.0			
FH (60°-80°)	681.8	47.8			G1/1800
FVH (80°-90°)	34.0	2.4			G1/100
BL (0°-30°)	3.7	0.3	B0/110		
BM (30°-60°)	9.5	0.7	B0/220		
BH (60°-80°)	5.4	0.4	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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	20.5	20.5	20.0	20.5	20.0	19.5	19.5	19.0	19.0	18.5	18.5
5°	30.0	30.0	29.5	28.5	27.5	27.0	26.5	25.0	24.5	24.0	23.0
7.5°	53.5	53.5	52.5	51.5	51.0	50.0	49.0	47.0	45.0	33.5	29.0
10°	68.5	67.5	66.5	64.5	64.0	61.5	59.0	57.5	55.5	50.5	47.0
12.5°	96.0	95.5	94.5	95.0	92.0	90.0	86.0	82.5	66.0	62.0	60.5
15°	126.5	118.5	111.0	104.0	102.0	100.0	94.0	94.5	98.5	90.0	70.5
17.5°	129.5	130.0	129.0	129.0	126.0	124.5	128.0	111.0	108.0	100.5	95.0
20°	163.0	163.5	162.5	152.0	137.5	132.5	140.0	135.0	135.0	123.0	115.5
22.5°	170.5	172.0	170.5	170.0	166.5	175.0	169.5	146.5	155.0	144.5	139.0
25°	207.0	208.0	207.5	203.0	209.5	184.0	180.0	191.0	180.5	168.0	173.5
27.5°	246.0	245.0	222.5	215.0	218.0	215.0	226.5	208.0	217.5	205.5	197.0
30°	264.5	266.0	264.0	255.5	255.5	263.5	243.0	250.5	243.5	225.5	255.5
32.5°	318.0	320.0	314.0	312.5	289.5	281.5	274.5	282.0	264.5	277.5	285.0
35°	381.0	382.0	373.0	334.5	334.0	324.5	323.0	305.5	314.5	304.5	332.5
37.5°	433.5	431.0	416.5	398.0	399.0	379.5	359.0	360.5	346.0	347.0	373.5
40°	503.0	502.0	491.5	476.5	454.5	430.0	417.5	411.5	400.0	392.0	417.0
42.5°	567.5	574.0	569.5	550.0	517.5	506.5	476.5	464.5	461.0	448.0	468.5
45°	647.5	647.0	646.5	627.0	606.0	583.0	538.5	532.0	526.0	524.5	547.0
47.5°	707.5	708.0	710.0	697.0	682.5	650.0	606.0	604.5	608.0	604.5	633.0
50°	748.0	752.5	760.0	757.0	737.5	715.5	688.0	683.0	687.5	685.5	731.0
52.5°	775.0	780.5	789.5	795.0	774.0	764.5	753.0	746.5	768.0	768.5	820.5
55°	785.5	791.5	800.5	811.5	795.5	797.5	793.0	792.0	826.5	834.5	903.0
57.5°	777.0	782.5	792.5	806.0	801.5	818.0	808.5	813.0	866.5	887.5	976.0
60°	754.5	759.5	770.5	793.0	787.0	806.5	802.0	823.5	893.0	939.5	1060.5
62.5°	717.0	723.0	735.0	756.5	759.5	776.5	781.0	817.5	911.0	992.0	1173.5
65°	671.0	672.5	683.5	701.0	708.0	711.5	732.0	776.5	897.5	1029.0	1258.0
67.5°	601.5	605.0	612.0	622.5	628.0	609.5	626.5	672.5	794.0	951.5	1195.5
70°	426.5	426.0	441.5	486.5	500.0	458.5	457.5	486.0	585.5	736.0	956.5
72.5°	291.0	294.5	301.5	315.5	358.5	345.5	341.0	326.0	365.0	448.5	632.0
75°	221.5	223.0	252.0	275.5	304.5	318.0	326.5	308.5	294.0	281.0	362.0
77.5°	75.5	82.0	96.0	131.5	205.5	250.5	278.5	304.5	322.0	308.5	299.0
80°	16.5	17.0	19.0	25.5	72.0	129.5	162.5	207.5	258.5	287.5	312.5
82.5°	7.0	7.5	9.0	11.0	17.0	48.0	67.5	78.0	105.5	139.5	227.5
85°	2.5	2.5	3.0	4.0	6.5	12.0	18.0	19.5	30.0	44.0	74.5
87.5°	1.0	1.0	1.0	1.5	2.0	3.0	3.5	4.0	5.0	10.5	25.0
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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	18.5	18.0	18.0	18.0	17.5	16.0	15.0	13.0	12.0	11.0	10.5
5°	22.0	20.5	19.5	19.5	18.0	17.5	17.0	14.5	11.5	10.0	9.0
7.5°	26.5	24.5	23.0	22.5	20.5	18.0	17.0	15.5	11.5	9.5	8.5
10°	44.5	31.5	29.0	28.0	25.0	22.0	20.0	19.0	14.0	11.0	10.0
12.5°	56.5	50.0	45.0	39.5	29.5	26.5	22.5	19.0	14.5	11.0	9.0
15°	65.5	58.5	51.5	51.0	42.0	34.0	27.5	24.0	17.0	14.0	11.5
17.5°	94.5	73.0	63.5	63.0	53.5	37.5	31.5	23.5	18.5	13.5	11.0
20°	107.5	91.5	76.5	79.0	69.5	55.0	40.0	30.5	22.0	18.0	14.5
22.5°	138.0	124.0	107.0	96.0	80.5	65.0	44.0	34.0	25.0	18.5	15.0
25°	160.0	142.0	135.5	134.0	111.0	87.5	58.5	40.0	28.0	20.5	18.0
27.5°	198.0	184.5	162.5	160.0	126.5	96.0	73.5	47.5	31.0	22.5	19.0
30°	223.0	213.0	205.5	200.0	158.5	115.5	83.5	54.0	33.5	23.5	19.5
32.5°	272.0	253.0	236.5	228.0	201.0	146.0	101.0	62.0	36.5	25.0	21.5
35°	312.0	310.0	286.0	284.0	245.0	186.5	123.0	72.5	38.0	25.5	21.0
37.5°	364.5	353.0	341.5	335.5	299.0	229.0	150.5	89.0	44.5	26.5	21.0
40°	406.5	395.0	390.5	385.0	337.0	270.5	186.0	97.0	45.5	27.0	20.5
42.5°	460.0	442.0	446.0	440.0	389.0	326.0	221.5	116.0	49.0	27.0	19.5
45°	528.0	518.5	523.0	513.0	462.5	397.0	258.5	135.0	54.0	26.5	18.0
47.5°	615.0	609.5	614.5	597.0	558.5	490.5	336.0	169.5	60.5	26.0	17.0
50°	707.5	715.5	708.5	692.0	675.5	590.5	426.5	212.0	70.0	25.0	16.0
52.5°	816.0	817.0	804.5	804.0	804.5	721.0	521.0	263.0	82.0	24.0	15.0
55°	919.0	931.5	925.0	932.5	944.0	886.5	637.0	321.5	98.5	22.5	14.0
57.5°	1024.5	1069.0	1087.0	1110.5	1132.5	1101.0	793.5	406.5	118.5	21.0	13.0
60°	1161.0	1282.0	1359.0	1387.5	1406.0	1341.5	996.5	515.0	147.5	19.5	11.5
62.5°	1337.5	1531.0	1644.5	1677.5	1652.5	1517.5	1114.5	596.0	171.0	18.5	10.0
65°	1454.0	1668.5	1786.5	1765.5	1736.0	1537.5	1131.0	603.5	176.0	16.5	9.0
67.5°	1385.0	1583.0	1701.0	1669.5	1648.0	1437.5	1014.0	556.0	164.0	14.0	8.0
70°	1147.5	1348.0	1451.5	1425.5	1441.0	1220.0	829.5	471.0	145.5	12.0	7.0
72.5°	824.5	982.0	1088.0	1072.0	1113.5	877.0	611.0	370.5	121.0	10.0	6.0
75°	503.5	648.0	673.5	649.0	619.5	447.5	295.0	201.5	78.0	7.5	4.5
77.5°	308.0	353.5	312.0	316.0	249.0	112.0	55.5	41.5	22.0	6.0	3.0
80°	293.5	265.5	214.5	208.5	143.5	43.5	24.5	18.5	9.5	4.5	2.5
82.5°	306.5	321.5	274.5	254.0	152.0	38.5	20.0	15.0	7.5	3.5	2.0
85°	127.0	286.5	266.0	242.5	140.5	30.0	16.0	11.0	5.0	2.5	2.0
87.5°	49.5	82.0	75.5	67.5	44.5	15.0	12.5	9.0	3.5	2.0	2.0
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°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
2.5°	10.0	9.5	9.0	9.0	8.5	8.5	8.0	8.0	8.0	8.0	8.0
5°	8.5	8.0	7.5	7.0	6.5	6.5	7.0	7.5	7.5	8.0	7.5
7.5°	7.5	7.0	6.0	6.5	6.5	5.5	4.0	3.5	3.5	4.0	4.0
10°	8.0	7.0	7.5	4.5	3.5	3.0	3.5	3.5	3.5	4.5	5.5
12.5°	8.0	8.5	6.0	5.5	5.0	4.5	5.5	5.0	4.5	5.0	5.0
15°	10.5	7.5	6.5	5.5	6.0	6.5	6.0	5.5	5.0	5.0	5.5
17.5°	9.0	8.0	7.5	8.5	8.0	6.5	6.0	6.5	6.5	6.0	5.5
20°	12.0	10.5	10.0	8.5	7.5	7.5	7.5	6.5	6.0	6.0	6.5
22.5°	13.5	11.5	11.5	10.5	9.5	7.5	7.5	7.0	7.0	6.5	6.0
25°	16.0	15.0	13.0	10.5	10.0	9.0	8.5	7.0	7.0	6.5	6.5
27.5°	17.0	15.0	13.0	12.0	10.5	8.5	8.5	7.0	6.5	6.5	6.0
30°	18.0	15.5	13.5	12.0	10.5	9.0	8.5	7.0	6.5	6.0	6.0
32.5°	19.0	16.0	13.0	11.5	10.0	8.5	8.0	7.0	6.0	5.5	5.5
35°	18.0	15.0	13.0	11.5	9.5	8.0	7.5	6.5	5.5	5.5	5.0
37.5°	17.0	14.0	12.0	10.5	9.0	7.5	6.5	5.5	5.0	4.5	4.5
40°	16.0	13.0	11.0	9.5	8.0	7.0	6.0	4.5	4.0	3.5	3.5
42.5°	14.5	12.0	10.0	8.5	7.0	5.5	5.0	4.0	3.0	2.5	2.5
45°	14.0	11.0	9.0	7.5	6.0	5.0	4.0	3.0	2.0	1.5	1.5
47.5°	13.0	10.0	8.0	6.5	5.0	4.0	3.0	2.0	1.5	1.0	1.0
50°	12.0	9.5	7.0	5.5	4.0	3.0	2.0	1.5	1.0	0.5	0.5
52.5°	11.0	8.5	6.0	4.5	3.5	2.5	1.5	1.0	0.5	0.5	0.0
55°	10.0	7.0	5.5	4.0	2.5	1.5	1.0	0.5	0.5	0.0	0.0
57.5°	8.5	6.0	4.5	3.0	2.0	1.0	0.5	0.5	0.5	0.0	0.0
60°	7.5	5.0	3.5	2.5	1.5	1.0	0.5	0.5	0.0	0.0	0.0
62.5°	6.5	4.5	3.0	2.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0
65°	5.5	3.5	2.5	1.5	1.0	0.5	0.5	0.5	0.5	0.0	0.0
67.5°	5.0	3.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.0
70°	4.5	2.5	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	3.5	2.0	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
75°	2.5	1.5	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5
77.5°	2.0	1.5	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0
80°	1.5	1.0	1.0	1.5	1.5	1.5	0.5	1.0	1.0	1.0	1.0
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.5	1.5	1.5	1.5	1.0
85°	1.5	1.5	1.5	1.5	2.0	2.0	0.5	2.0	2.0	1.5	1.5
87.5°	2.0	1.5	2.0	2.0	2.0	2.5	0.5	2.0	2.0	2.0	2.0
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°	12.5	12.5	12.5	12.5	12.5
2.5°	8.0	8.5	8.5	8.5	8.5
5°	7.0	6.5	6.5	6.5	6.5
7.5°	4.0	4.0	4.5	4.5	4.5
10°	6.0	6.0	6.0	6.0	6.0
12.5°	5.0	5.5	5.5	5.5	5.5
15°	6.0	6.0	6.5	6.5	6.5
17.5°	5.5	5.5	6.0	6.0	6.0
20°	6.0	6.5	6.5	6.5	6.5
22.5°	5.5	5.5	6.5	6.5	7.0
25°	6.5	6.0	6.0	6.5	6.0
27.5°	6.0	6.0	6.5	6.5	6.5
30°	6.0	5.5	5.5	6.0	6.0
32.5°	5.5	5.5	5.5	5.5	5.5
35°	5.0	5.0	5.5	5.5	5.5
37.5°	4.5	4.0	4.5	4.5	4.5
40°	3.5	3.5	3.5	4.0	4.0
42.5°	2.5	2.5	2.5	2.5	2.5
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.0	0.5	1.0	1.0	1.0
50°	0.5	0.5	0.5	0.5	0.5
52.5°	0.0	0.5	0.5	0.5	0.5
55°	0.0	0.5	0.5	0.5	0.5
57.5°	0.0	0.0	0.5	0.5	0.5
60°	0.0	0.0	0.5	0.5	0.5
62.5°	0.0	0.0	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	1.0	0.5	0.5
77.5°	1.0	1.0	1.0	1.0	0.5
80°	1.0	1.0	1.0	1.0	0.5
82.5°	1.0	1.0	1.5	1.0	0.5
85°	1.5	1.5	1.5	1.5	0.5
87.5°	1.5	1.5	2.0	2.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)