

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: P179296

Luminaire Tested: **UTLD-F01-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179296
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-F01-LED-E-U-SL4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 1514.2 lumens
Efficiency: N/A
Efficacy: 58.5 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



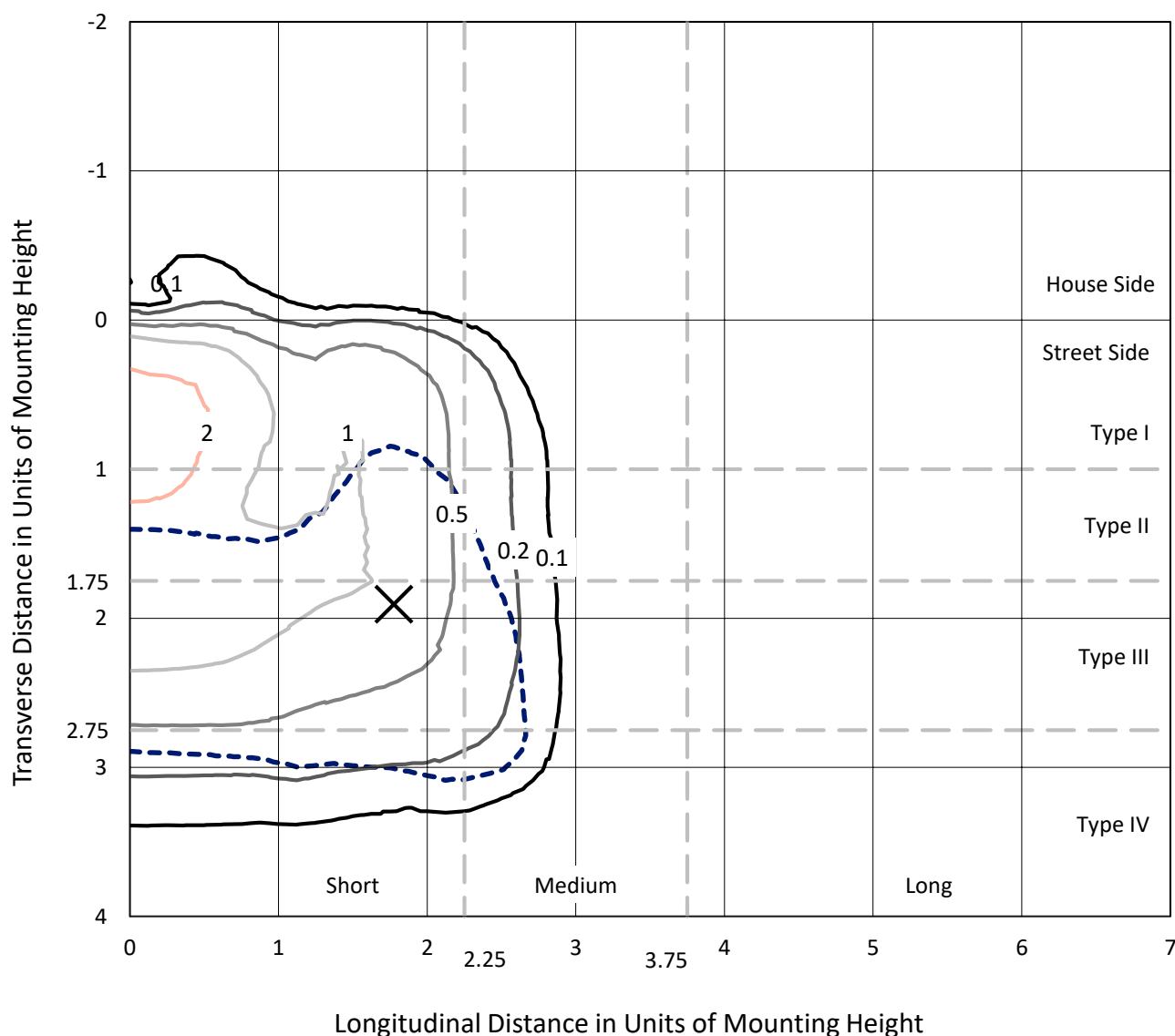
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

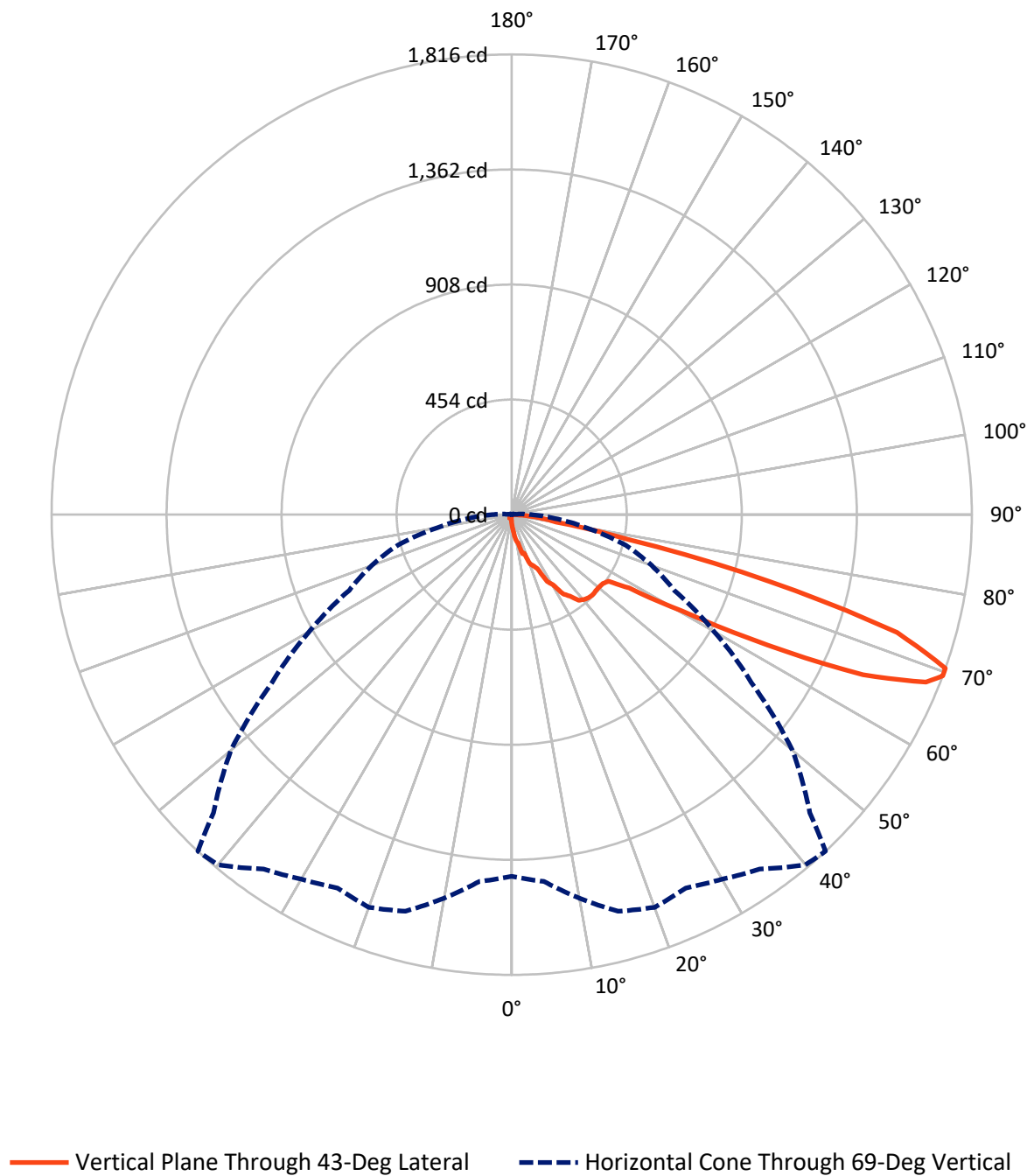


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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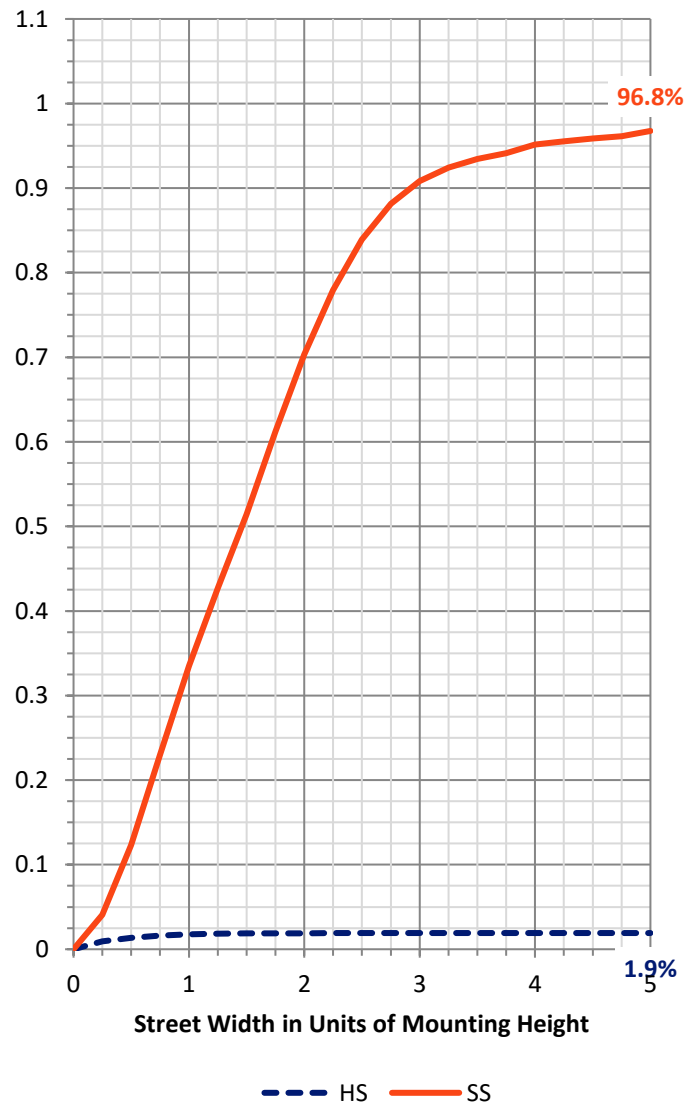
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.4	0.0	29.4
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1484.8	0.0	1484.8
	% Fixture	98.1	0.0	98.1
Total	Lumens	1514.2	0.0	1514.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.3
10°-20°	21.0	1.4
20°-30°	58.0	3.8
30°-40°	121.6	8.0
40°-50°	175.6	11.6
50°-60°	272.4	18.0
60°-70°	575.2	38.0
70°-80°	255.8	16.9
80°-90°	30.4	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°	1514.2	100.0
0°-180°	1514.2	100.0

Coefficient of Utilization



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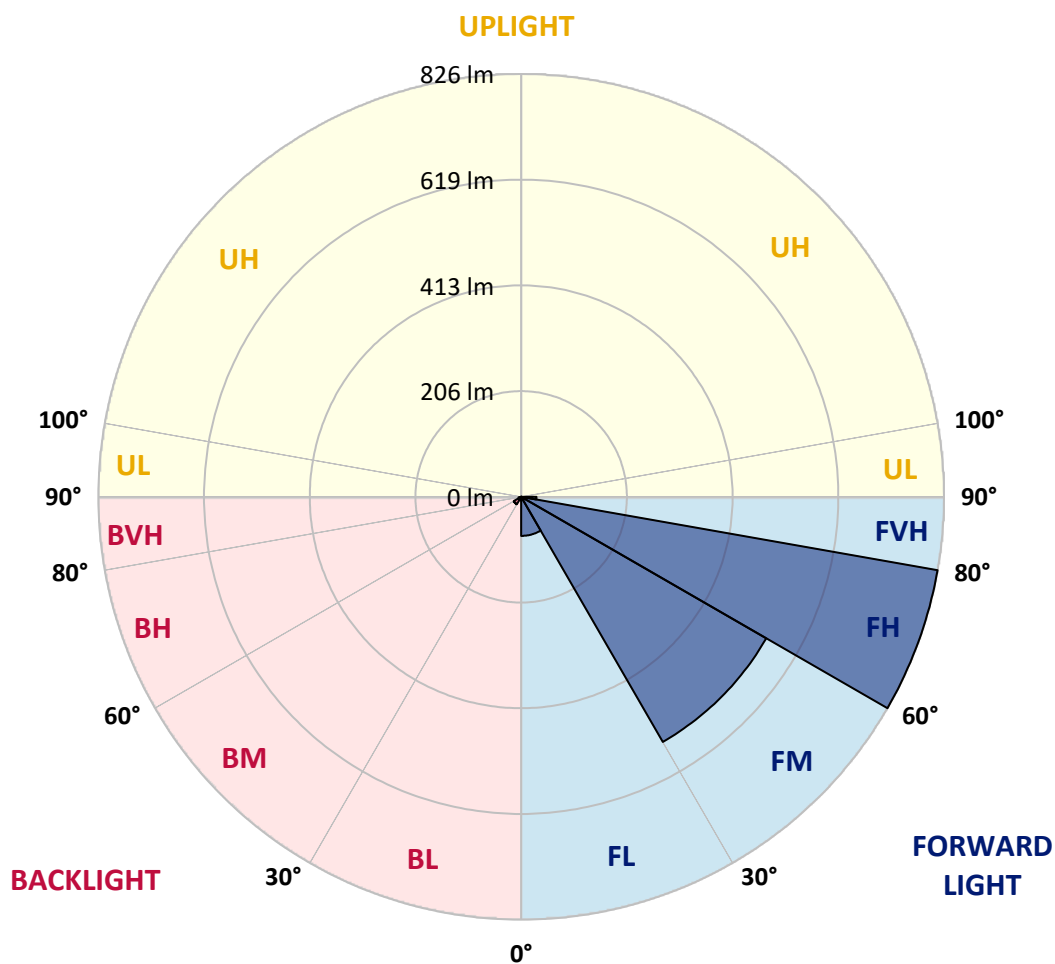
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.3	5.0			
FM	(30°-60°)	552.8	36.5			
FH	(60°-80°)	825.8	54.5			G1/1800
FVH	(80°-90°)	29.9	2.0			G1/100
BL	(0°-30°)	7.0	0.5	B0/110		
BM	(30°-60°)	16.8	1.1	B0/220		
BH	(60°-80°)	5.2	0.3	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°	43°	45°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	55.9	55.9	55.5	55.1	53.8	53.4	52.1	51.2	51.7	51.2	50.8
5°	71.6	70.3	68.6	66.1	65.2	64.0	63.1	61.0	60.1	59.7	58.9
7.5°	118.6	115.6	113.9	113.5	112.2	111.0	107.6	104.6	101.6	90.6	75.0
10°	127.5	127.9	128.3	125.8	126.6	122.4	118.2	115.6	113.9	107.6	103.8
12.5°	167.7	165.2	164.8	166.5	162.6	160.5	155.9	148.2	122.8	114.4	117.3
15°	194.4	197.8	185.5	170.7	167.3	163.9	154.2	155.9	167.3	159.7	151.2
17.5°	209.2	210.1	208.0	206.3	200.3	196.5	203.3	172.4	169.0	160.1	154.2
20°	262.2	263.0	259.2	241.4	219.4	208.4	214.7	202.9	198.6	207.5	176.6
22.5°	286.7	287.6	284.2	279.1	269.4	271.5	256.7	218.1	221.1	219.4	198.2
25°	352.0	354.1	350.3	341.8	333.7	295.6	279.5	279.5	255.0	235.5	224.1
27.5°	420.6	412.5	387.1	376.1	370.2	350.7	349.4	305.8	292.2	298.6	260.1
30°	467.2	468.4	464.2	446.0	434.5	429.5	382.0	358.3	326.5	321.0	283.3
32.5°	558.6	559.1	550.2	541.7	488.8	466.3	433.7	403.2	356.2	372.3	324.0
35°	646.3	648.4	624.7	577.3	561.6	519.3	478.6	426.9	395.6	394.7	344.3
37.5°	698.0	698.0	680.2	645.9	629.4	570.9	505.7	467.2	410.8	428.6	371.9
40°	763.6	761.9	746.7	706.5	658.6	590.4	538.3	485.4	437.5	440.1	390.1
42.5°	789.9	787.8	777.2	736.5	672.6	614.6	546.4	490.5	443.9	447.3	398.5
45°	803.0	800.9	789.5	745.0	678.1	617.5	543.8	487.5	445.1	449.4	403.2
47.5°	800.1	797.1	787.8	750.5	694.6	615.4	527.3	481.1	443.0	447.3	404.9
50°	784.0	783.1	774.7	741.2	692.9	606.9	518.0	474.8	442.6	447.7	408.3
52.5°	774.7	775.5	767.5	744.2	683.6	604.0	523.1	476.9	445.1	451.1	413.4
55°	896.6	881.0	850.0	801.3	714.9	629.4	547.2	492.2	457.8	463.8	425.2
57.5°	1301.1	1286.7	1222.8	1104.6	937.3	768.3	640.4	562.9	530.3	546.4	514.2
60°	1538.7	1522.2	1506.1	1452.7	1313.0	1162.2	932.6	806.4	745.9	771.3	739.5
62.5°	1637.4	1636.1	1628.5	1618.8	1521.8	1452.7	1281.6	1159.6	1113.9	1132.5	1065.2
65°	1699.2	1707.3	1709.0	1714.1	1651.0	1598.4	1498.5	1467.1	1527.7	1523.5	1397.7
67.5°	1655.6	1660.3	1688.2	1731.8	1700.5	1651.8	1637.8	1663.7	1741.6	1763.6	1607.7
69°	1426.9	1452.3	1536.2	1619.6	1648.4	1625.1	1660.3	1706.9	1803.0	1815.7	1664.1
70°	1137.6	1183.4	1277.4	1451.9	1520.9	1523.9	1626.4	1699.7	1808.1	1815.3	1667.5
72.5°	511.2	519.7	571.4	664.1	927.5	1017.3	1268.5	1496.8	1607.7	1590.8	1448.5
75°	345.2	349.0	346.0	350.3	400.7	482.0	615.0	952.5	1086.0	1051.2	918.7
77.5°	285.9	285.5	280.0	276.1	277.8	289.7	288.9	330.4	457.8	470.6	413.4
80°	256.2	253.7	249.0	241.4	233.4	221.9	210.1	187.2	171.5	177.5	156.7
82.5°	138.9	134.3	144.8	155.0	178.3	188.1	172.8	144.4	129.6	121.6	108.4
85°	32.6	31.3	36.8	51.2	87.7	89.4	86.8	71.6	62.3	58.0	52.5
87.5°	8.5	8.5	8.9	8.9	43.2	49.6	40.2	18.2	14.0	12.3	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	50.0	49.6	48.7	48.7	47.9	45.7	39.8	34.3	30.9	29.6	28.4
5°	56.8	55.1	52.9	50.8	48.7	47.4	46.6	37.7	29.2	27.1	25.0
7.5°	64.8	61.0	57.6	54.2	51.2	46.6	44.0	41.9	28.4	25.0	22.9
10°	97.8	93.6	65.6	65.2	58.0	52.9	50.8	48.7	33.9	28.8	25.0
12.5°	116.5	110.5	99.5	81.7	60.6	57.2	50.0	44.9	32.2	25.4	23.3
15°	123.7	116.5	105.0	100.0	77.9	67.8	57.2	51.7	35.6	30.5	25.0
17.5°	152.9	149.1	118.6	107.6	93.6	67.3	58.9	45.7	35.6	27.1	23.7
20°	165.6	155.9	133.8	127.5	113.5	92.3	70.3	60.6	43.6	35.6	27.1
22.5°	185.9	183.4	168.6	134.7	119.0	100.4	72.8	63.5	47.4	34.3	25.8
25°	222.8	195.7	176.2	171.1	147.8	123.2	92.3	69.9	51.2	36.0	28.4
27.5°	241.0	226.6	204.6	185.1	152.1	127.5	103.3	76.2	55.1	39.0	29.2
30°	291.0	241.8	225.3	205.4	169.8	135.1	105.0	79.6	54.6	38.1	29.6
32.5°	310.9	277.8	248.2	216.0	191.0	151.6	116.5	80.9	56.8	39.4	32.6
35°	338.4	297.3	275.3	243.5	205.8	164.8	119.4	83.4	53.8	38.1	32.2
37.5°	361.7	317.7	281.7	252.4	211.8	168.6	123.2	86.0	55.5	37.3	30.9
40°	374.0	327.4	286.3	258.8	211.3	170.7	130.4	83.0	53.8	36.4	28.8
42.5°	384.1	338.0	293.9	265.6	219.8	180.0	132.6	87.2	53.4	36.4	26.7
45°	390.9	347.7	310.9	273.6	230.8	190.2	135.5	88.1	54.2	36.4	25.0
47.5°	394.7	359.6	327.8	285.5	250.3	210.1	152.9	96.1	55.5	35.2	23.3
50°	399.8	372.3	341.8	300.7	271.1	221.5	166.0	100.4	57.2	33.0	22.0
52.5°	403.6	379.1	351.1	319.8	300.7	257.1	198.6	120.3	61.8	31.8	20.8
55°	421.8	409.1	407.4	416.3	429.9	421.4	341.4	206.7	95.3	37.3	23.7
57.5°	542.6	565.4	606.9	642.5	632.3	612.0	490.9	285.9	129.2	40.7	27.5
60°	789.9	812.8	829.3	812.3	755.6	706.9	553.6	324.0	144.0	33.9	21.6
62.5°	1057.2	1015.2	964.4	888.2	824.2	731.0	582.8	345.6	147.8	28.8	16.1
65°	1289.2	1157.1	1041.9	905.1	826.3	727.6	575.6	336.7	141.5	23.7	13.1
67.5°	1429.9	1204.5	1025.0	838.2	723.4	609.5	444.7	258.8	108.4	19.1	11.0
69°	1446.0	1154.6	922.5	707.7	588.3	465.0	297.7	171.1	75.8	16.1	9.7
70°	1416.3	1085.5	806.4	592.5	469.3	345.2	216.9	125.8	54.6	14.4	9.3
72.5°	1144.0	752.2	462.5	291.4	205.8	143.2	87.7	51.2	23.3	10.6	8.0
75°	627.3	323.2	183.0	121.1	94.0	72.0	49.6	27.5	13.6	8.9	6.8
77.5°	230.8	145.7	104.6	83.0	54.6	31.3	21.2	15.7	11.0	7.2	5.1
80°	138.5	101.2	73.7	39.4	26.3	19.9	15.2	12.3	8.9	5.5	3.4
82.5°	88.5	60.1	31.8	23.3	18.6	14.8	11.9	10.2	6.4	3.8	1.7
85°	40.7	24.1	19.1	16.5	14.4	13.1	12.3	10.2	5.1	2.1	1.3
87.5°	9.3	8.9	10.6	9.7	9.3	8.9	8.0	6.8	2.5	1.7	1.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
2.5°	27.5	26.7	25.8	25.4	24.6	24.6	23.7	23.7	23.3	22.9	23.3
5°	23.3	22.4	21.6	20.8	19.9	19.1	19.5	19.9	19.9	20.3	17.8
7.5°	21.6	20.3	18.6	17.8	17.4	8.5	6.8	6.4	5.9	6.4	6.4
10°	22.0	19.9	18.6	7.6	5.5	5.5	5.5	5.5	5.9	7.2	8.9
12.5°	20.8	18.2	9.7	8.9	8.0	7.6	8.9	8.5	8.5	8.5	8.5
15°	23.3	13.1	10.2	8.9	9.7	10.6	10.6	10.2	8.5	8.5	10.2
17.5°	14.8	12.3	11.4	13.6	13.1	11.0	10.2	11.4	11.9	11.0	9.7
20°	19.5	17.4	15.7	13.6	12.7	12.7	14.0	11.9	11.0	11.4	11.9
22.5°	19.9	18.6	19.5	18.2	16.9	13.6	13.1	12.7	13.1	12.3	11.9
25°	25.0	25.4	22.9	18.6	17.8	16.5	15.2	12.7	13.1	11.9	12.7
27.5°	26.7	25.0	22.9	22.0	20.3	16.5	16.5	14.0	13.1	13.1	11.4
30°	28.0	25.4	23.7	21.6	19.5	18.2	16.1	14.4	13.1	12.7	12.3
32.5°	29.6	26.3	22.9	21.2	19.5	16.9	16.5	14.4	13.1	11.9	11.9
35°	27.5	24.6	22.4	20.8	17.8	16.1	15.2	14.0	12.3	11.9	11.0
37.5°	25.0	22.4	20.8	18.6	16.9	14.8	14.4	12.7	11.9	11.0	10.6
40°	22.9	20.3	18.6	16.9	15.2	13.6	12.7	11.4	10.2	9.7	9.7
42.5°	21.6	18.6	16.5	15.2	13.6	12.3	11.4	10.2	9.3	8.9	8.9
45°	19.9	16.9	14.8	13.1	11.9	11.0	10.2	8.9	8.0	8.0	8.0
47.5°	19.1	15.7	13.6	11.9	10.6	9.7	8.9	7.6	6.8	7.2	7.2
50°	17.8	14.4	11.9	11.0	9.7	8.9	8.0	6.8	6.4	6.4	6.4
52.5°	16.5	12.7	10.6	9.7	8.9	8.0	6.8	5.5	5.1	5.5	5.1
55°	16.5	11.4	9.3	8.5	7.6	6.8	5.5	4.7	4.2	3.8	3.4
57.5°	19.5	11.4	8.0	7.6	6.8	5.5	4.2	3.4	3.0	2.1	1.7
60°	16.9	11.4	7.2	6.8	5.9	4.7	3.4	2.5	1.7	1.3	0.8
62.5°	11.9	8.9	6.4	5.9	4.7	3.4	2.1	1.3	0.8	0.4	0.4
65°	10.2	7.2	5.9	5.1	3.8	2.5	1.3	0.8	0.4	0.4	0.4
67.5°	8.9	6.8	5.1	4.2	3.4	1.7	0.8	0.4	0.4	0.4	0.4
69°	8.0	6.4	5.1	3.8	3.0	1.3	0.8	0.4	0.4	0.4	0.4
70°	7.6	5.9	4.7	3.8	2.5	1.3	0.4	0.4	0.4	0.4	0.4
72.5°	6.4	4.7	3.8	3.4	2.1	0.8	0.4	0.4	0.4	0.4	0.4
75°	4.7	3.8	2.5	2.5	1.7	0.8	0.4	0.4	0.4	0.4	0.0
77.5°	3.4	2.5	1.7	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.0
80°	2.1	1.7	1.3	1.3	0.8	0.8	0.0	0.4	0.4	0.4	0.4
82.5°	1.3	1.3	1.3	0.8	0.8	0.8	0.4	0.8	0.4	0.4	0.4
85°	1.3	1.3	1.3	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.4
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.4	1.3	1.3	0.8	0.8
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°	33.5	33.5	33.5	33.5	33.5
2.5°	23.3	23.3	23.7	24.1	24.1
5°	13.6	9.3	9.7	9.7	9.7
7.5°	6.4	6.4	6.8	6.8	6.8
10°	9.7	9.7	9.7	9.7	10.2
12.5°	8.9	9.3	9.3	9.3	9.7
15°	10.6	11.0	11.4	11.4	11.9
17.5°	9.7	9.7	10.6	10.6	10.6
20°	11.4	11.4	11.4	11.4	11.4
22.5°	10.2	10.6	11.9	12.3	12.7
25°	11.9	11.4	11.4	11.4	11.4
27.5°	11.9	11.9	12.3	12.3	12.3
30°	11.9	11.0	11.0	11.4	11.9
32.5°	11.9	11.9	11.4	11.4	11.4
35°	11.0	11.9	11.9	11.9	11.9
37.5°	10.6	10.6	11.9	12.3	12.3
40°	10.2	10.6	11.0	12.7	12.7
42.5°	9.7	10.6	11.4	12.3	12.3
45°	9.3	10.2	10.6	11.4	11.4
47.5°	8.5	9.3	9.7	10.2	10.2
50°	7.6	7.6	8.0	8.0	7.6
52.5°	5.5	5.5	5.1	5.1	5.1
55°	3.4	3.0	3.0	3.0	2.5
57.5°	1.7	1.7	1.3	1.3	1.3
60°	0.8	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	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°	0.4	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.8	0.4	0.4	0.4	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)