

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: P179291

Luminaire Tested: **UTLD-E01-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179291
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-E01-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: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834.2 lumens
Efficiency: N/A
Efficacy: 74.3 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): 24.7
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



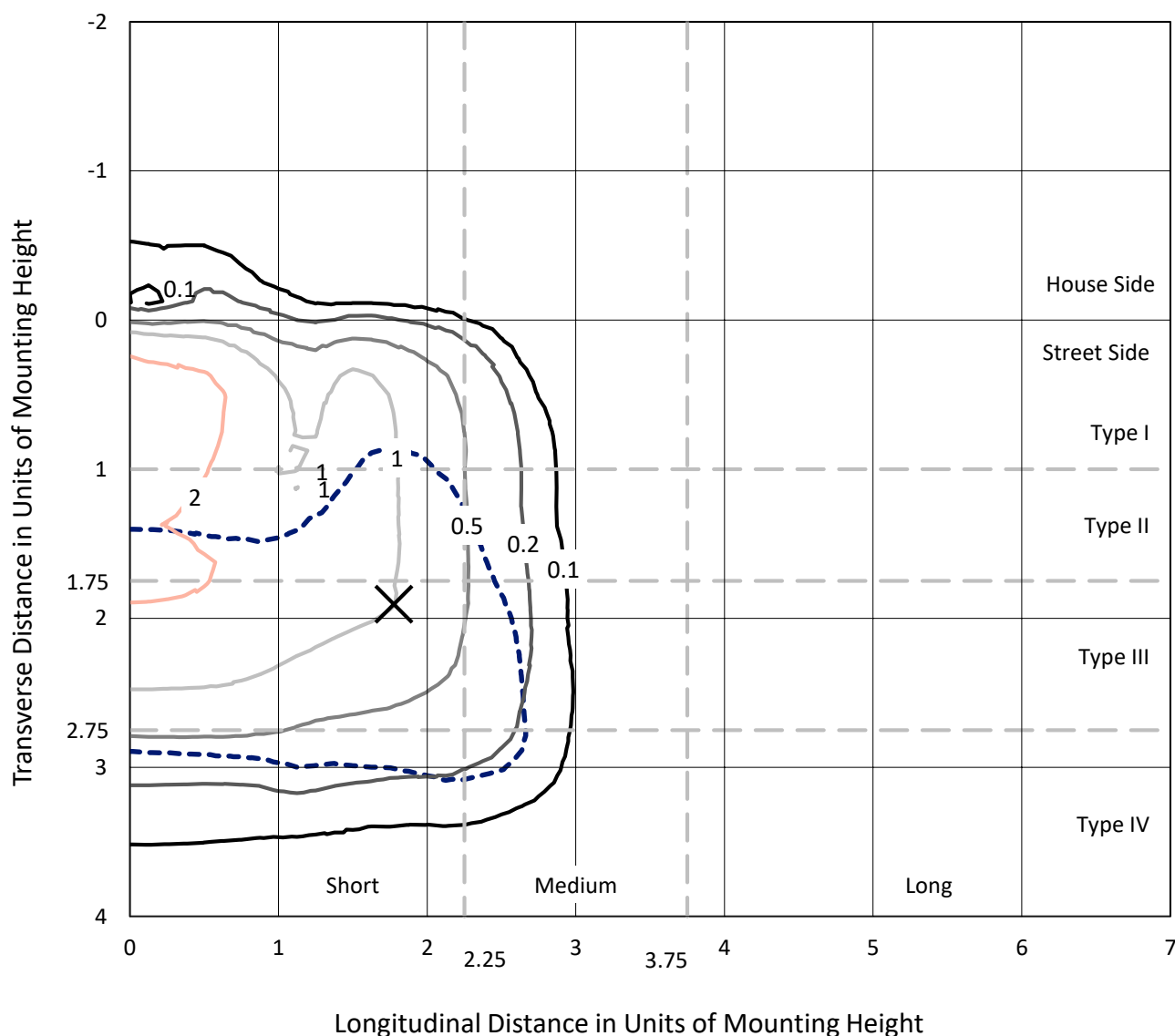
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

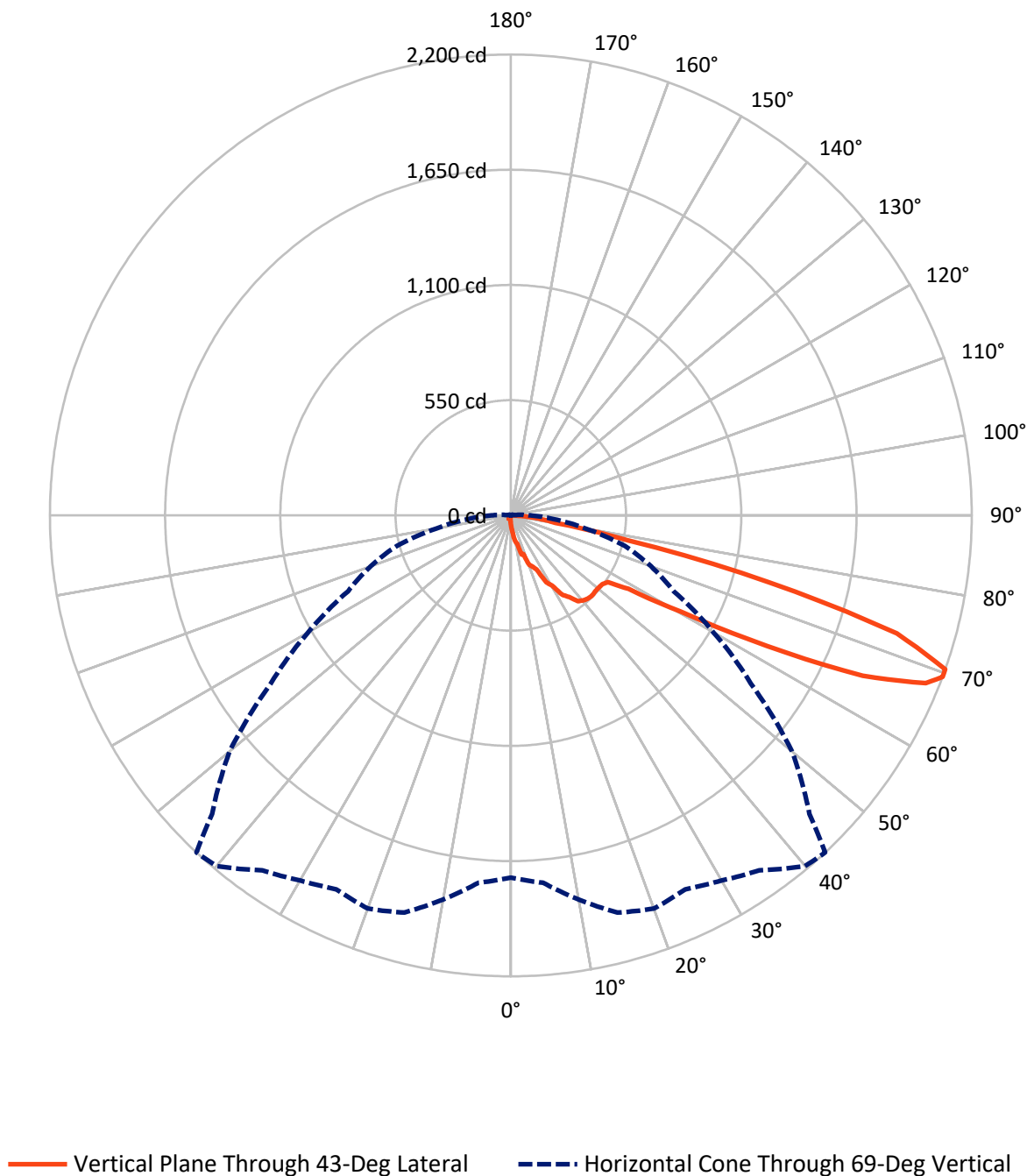


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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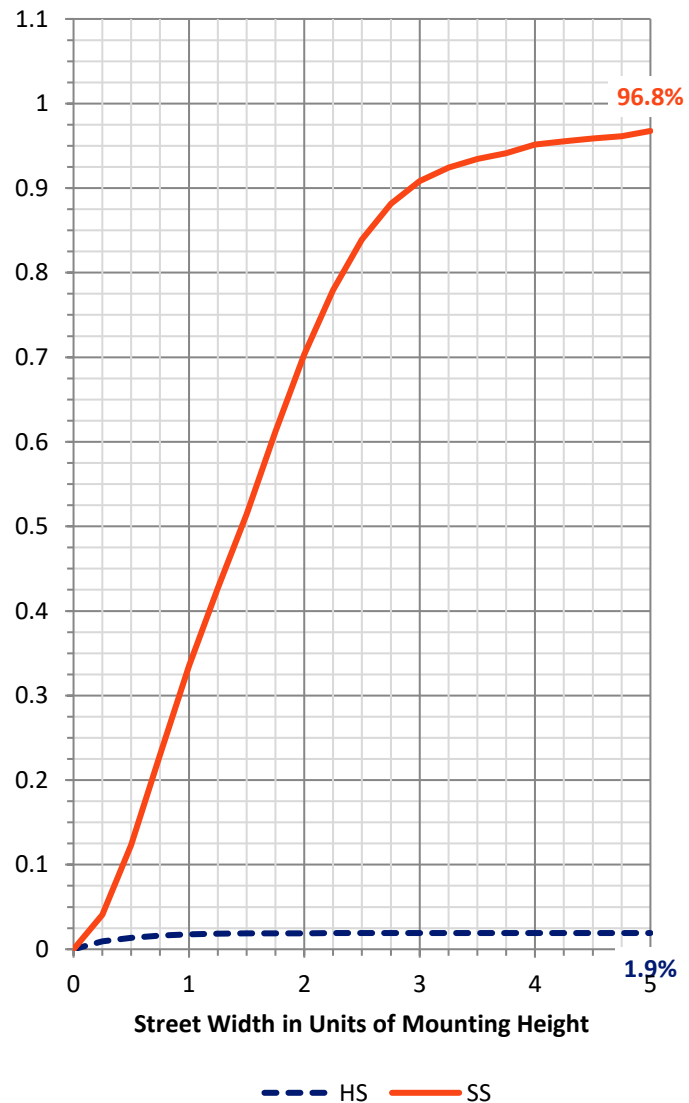
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35.6	0.0	35.6
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	1798.6	0.0	1798.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	1834.2	0.0	1834.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.3
10°-20°	25.4	1.4
20°-30°	70.3	3.8
30°-40°	147.3	8.0
40°-50°	212.7	11.6
50°-60°	330.0	18.0
60°-70°	696.7	38.0
70°-80°	309.9	16.9
80°-90°	36.8	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°	1834.2	100.0
0°-180°	1834.2	100.0

Coefficient of Utilization



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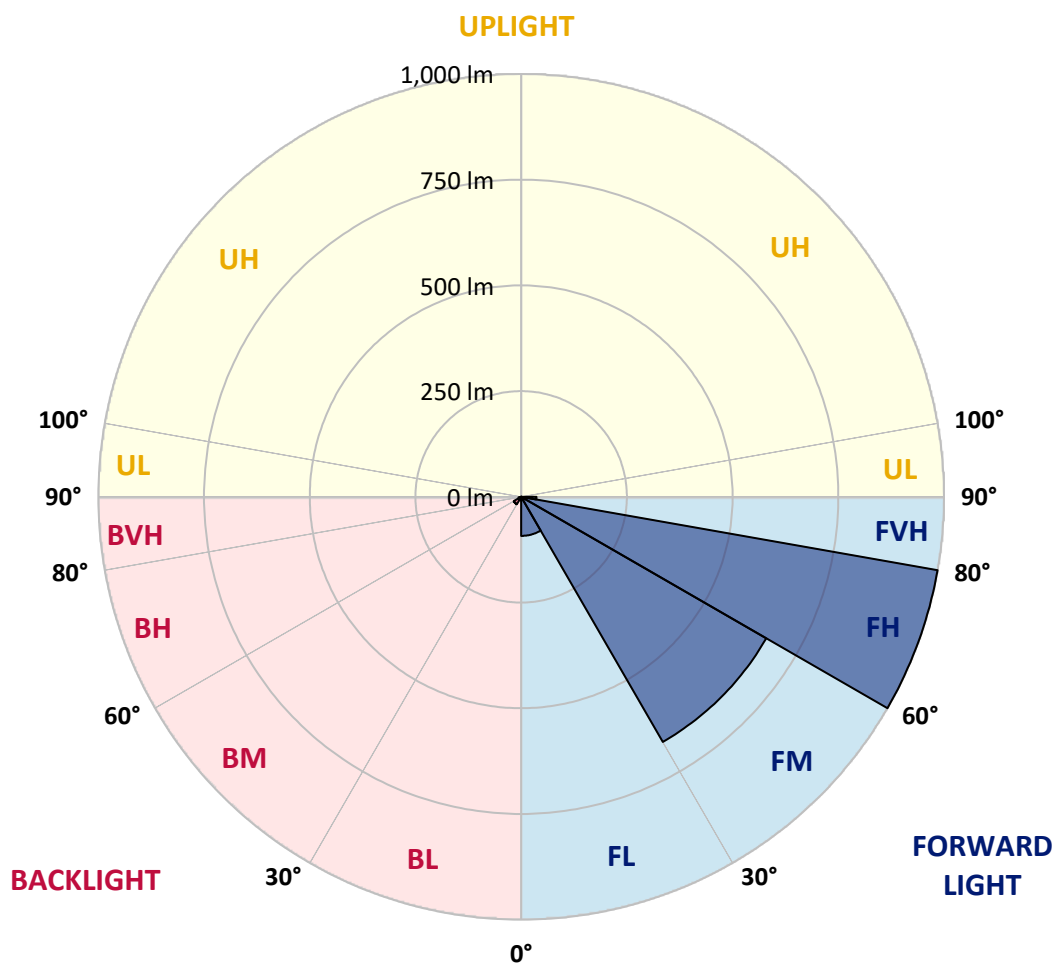
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.4	5.0			
FM	(30°-60°)	669.7	36.5			
FH	(60°-80°)	1000.3	54.5			G1/1800
FVH	(80°-90°)	36.2	2.0			G1/100
BL	(0°-30°)	8.4	0.5	B0/110		
BM	(30°-60°)	20.3	1.1	B0/220		
BH	(60°-80°)	6.2	0.3	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	67.7	67.7	67.2	66.7	65.2	64.6	63.1	62.1	62.6	62.1	61.6
5°	86.7	85.2	83.1	80.0	79.0	77.5	76.4	73.9	72.9	72.3	71.3
7.5°	143.7	140.1	138.0	137.5	136.0	134.4	130.3	126.7	123.1	109.8	90.8
10°	154.4	154.9	155.5	152.4	153.4	148.3	143.1	140.1	138.0	130.3	125.7
12.5°	203.2	200.1	199.6	201.6	197.0	194.4	188.8	179.6	148.8	138.5	142.1
15°	235.5	239.6	224.7	206.8	202.7	198.6	186.8	188.8	202.7	193.4	183.2
17.5°	253.4	254.5	251.9	249.9	242.7	238.1	246.3	208.8	204.7	193.9	186.8
20°	317.6	318.6	314.0	292.4	265.8	252.4	260.1	245.8	240.6	251.4	213.9
22.5°	347.3	348.4	344.3	338.1	326.3	328.9	310.9	264.2	267.8	265.8	240.1
25°	426.3	428.9	424.3	414.0	404.3	358.1	338.6	338.6	308.9	285.3	271.4
27.5°	509.5	499.7	468.9	455.6	448.4	424.8	423.3	370.4	354.0	361.7	315.0
30°	565.9	567.4	562.3	540.2	526.4	520.2	462.8	434.0	395.6	388.9	343.2
32.5°	676.7	677.2	666.5	656.2	592.1	564.9	525.4	488.4	431.5	451.0	392.5
35°	782.9	785.5	756.8	699.3	680.3	629.0	579.7	517.2	479.2	478.2	417.1
37.5°	845.5	845.5	824.0	782.4	762.4	691.6	612.6	565.9	497.7	519.2	450.5
40°	925.0	923.0	904.5	855.8	797.8	715.2	652.1	588.0	530.0	533.1	472.5
42.5°	956.8	954.3	941.5	892.2	814.7	744.4	661.8	594.1	537.7	541.8	482.8
45°	972.7	970.2	956.3	902.5	821.4	748.0	658.8	590.5	539.2	544.3	488.4
47.5°	969.2	965.6	954.3	909.1	841.4	745.5	638.8	582.8	536.7	541.8	490.5
50°	949.7	948.6	938.4	897.8	839.4	735.2	627.5	575.1	536.1	542.3	494.6
52.5°	938.4	939.4	929.7	901.4	828.1	731.6	633.6	577.7	539.2	546.4	500.7
55°	1086.1	1067.1	1029.7	970.7	866.0	762.4	662.9	596.2	554.6	561.8	515.1
57.5°	1576.1	1558.7	1481.2	1338.0	1135.4	930.7	775.7	681.8	642.3	661.8	622.8
60°	1863.9	1843.9	1824.4	1759.8	1590.5	1407.8	1129.7	976.9	903.5	934.3	895.8
62.5°	1983.5	1981.9	1972.7	1960.9	1843.4	1759.8	1552.5	1404.7	1349.3	1371.9	1290.3
65°	2058.4	2068.1	2070.2	2076.3	1999.9	1936.3	1815.2	1777.2	1850.6	1845.5	1693.1
67.5°	2005.5	2011.2	2045.0	2097.9	2059.9	2000.9	1984.0	2015.3	2109.7	2136.4	1947.5
69°	1728.5	1759.3	1860.8	1961.9	1996.8	1968.6	2011.2	2067.6	2184.1	2199.5	2015.8
70°	1378.1	1433.5	1547.4	1758.7	1842.4	1846.0	1970.1	2058.9	2190.2	2198.9	2019.9
72.5°	619.3	629.5	692.1	804.5	1123.6	1232.4	1536.6	1813.1	1947.5	1927.0	1754.6
75°	418.1	422.8	419.2	424.3	485.3	583.9	745.0	1153.9	1315.5	1273.4	1112.8
77.5°	346.3	345.8	339.1	334.5	336.6	350.9	349.9	400.2	554.6	570.0	500.7
80°	310.4	307.3	301.7	292.4	282.7	268.8	254.5	226.8	207.8	215.0	189.8
82.5°	168.3	162.6	175.5	187.8	216.0	227.8	209.3	175.0	157.0	147.2	131.3
85°	39.5	38.0	44.6	62.1	106.2	108.3	105.2	86.7	75.4	70.3	63.6
87.5°	10.3	10.3	10.8	10.8	52.3	60.0	48.7	22.1	16.9	14.9	12.8
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	60.5	60.0	59.0	59.0	58.0	55.4	48.2	41.6	37.5	35.9	34.4
5°	68.7	66.7	64.1	61.6	59.0	57.5	56.4	45.7	35.4	32.8	30.3
7.5°	78.5	73.9	69.8	65.7	62.1	56.4	53.4	50.8	34.4	30.3	27.7
10°	118.5	113.4	79.5	79.0	70.3	64.1	61.6	59.0	41.0	34.9	30.3
12.5°	141.1	133.9	120.6	99.0	73.4	69.3	60.5	54.4	39.0	30.8	28.2
15°	149.8	141.1	127.2	121.1	94.4	82.1	69.3	62.6	43.1	36.9	30.3
17.5°	185.2	180.6	143.7	130.3	113.4	81.6	71.3	55.4	43.1	32.8	28.7
20°	200.6	188.8	162.1	154.4	137.5	111.8	85.2	73.4	52.8	43.1	32.8
22.5°	225.2	222.2	204.2	163.2	144.2	121.6	88.2	77.0	57.5	41.6	31.3
25°	269.9	237.0	213.4	207.3	179.1	149.3	111.8	84.7	62.1	43.6	34.4
27.5°	291.9	274.5	247.8	224.2	184.2	154.4	125.2	92.3	66.7	47.2	35.4
30°	352.5	293.0	272.9	248.8	205.7	163.7	127.2	96.5	66.2	46.2	35.9
32.5°	376.6	336.6	300.6	261.7	231.4	183.7	141.1	98.0	68.7	47.7	39.5
35°	409.9	360.2	333.5	295.0	249.3	199.6	144.7	101.1	65.2	46.2	39.0
37.5°	438.1	384.8	341.2	305.8	256.5	204.2	149.3	104.1	67.2	45.1	37.5
40°	453.0	396.6	346.8	313.5	256.0	206.8	158.0	100.6	65.2	44.1	34.9
42.5°	465.3	409.4	356.1	321.7	266.3	218.0	160.6	105.7	64.6	44.1	32.3
45°	473.5	421.2	376.6	331.4	279.6	230.4	164.2	106.7	65.7	44.1	30.3
47.5°	478.2	435.6	397.1	345.8	303.2	254.5	185.2	116.5	67.2	42.6	28.2
50°	484.3	451.0	414.0	364.3	328.4	268.3	201.1	121.6	69.3	40.0	26.7
52.5°	488.9	459.2	425.3	387.4	364.3	311.4	240.6	145.7	74.9	38.5	25.1
55°	511.0	495.6	493.6	504.3	520.7	510.5	413.5	250.4	115.4	45.1	28.7
57.5°	657.2	684.9	735.2	778.3	766.0	741.4	594.6	346.3	156.5	49.3	33.3
60°	956.8	984.5	1004.6	984.0	915.3	856.3	670.6	392.5	174.4	41.0	26.2
62.5°	1280.6	1229.8	1168.2	1075.9	998.4	885.5	706.0	418.7	179.1	34.9	19.5
65°	1561.7	1401.7	1262.1	1096.4	1001.0	881.4	697.2	407.9	171.4	28.7	15.9
67.5°	1732.1	1459.1	1241.6	1015.3	876.3	738.3	538.7	313.5	131.3	23.1	13.3
69°	1751.6	1398.6	1117.4	857.3	712.6	563.3	360.7	207.3	91.8	19.5	11.8
70°	1715.6	1315.0	976.9	717.8	568.5	418.1	262.7	152.4	66.2	17.4	11.3
72.5°	1385.8	911.2	560.3	353.0	249.3	173.4	106.2	62.1	28.2	12.8	9.7
75°	759.8	391.5	221.6	146.7	113.9	87.2	60.0	33.3	16.4	10.8	8.2
77.5°	279.6	176.5	126.7	100.6	66.2	38.0	25.7	19.0	13.3	8.7	6.2
80°	167.8	122.6	89.3	47.7	31.8	24.1	18.5	14.9	10.8	6.7	4.1
82.5°	107.2	72.9	38.5	28.2	22.6	18.0	14.4	12.3	7.7	4.6	2.1
85°	49.3	29.2	23.1	20.0	17.4	15.9	14.9	12.3	6.2	2.6	1.5
87.5°	11.3	10.8	12.8	11.8	11.3	10.8	9.7	8.2	3.1	2.1	1.5
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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	33.3	32.3	31.3	30.8	29.8	29.8	28.7	28.7	28.2	27.7	28.2
5°	28.2	27.2	26.2	25.1	24.1	23.1	23.6	24.1	24.1	24.6	21.5
7.5°	26.2	24.6	22.6	21.5	21.0	10.3	8.2	7.7	7.2	7.7	7.7
10°	26.7	24.1	22.6	9.2	6.7	6.7	6.7	6.7	7.2	8.7	10.8
12.5°	25.1	22.1	11.8	10.8	9.7	9.2	10.8	10.3	10.3	10.3	10.3
15°	28.2	15.9	12.3	10.8	11.8	12.8	12.8	12.3	10.3	10.3	12.3
17.5°	18.0	14.9	13.9	16.4	15.9	13.3	12.3	13.9	14.4	13.3	11.8
20°	23.6	21.0	19.0	16.4	15.4	15.4	16.9	14.4	13.3	13.9	14.4
22.5°	24.1	22.6	23.6	22.1	20.5	16.4	15.9	15.4	15.9	14.9	14.4
25°	30.3	30.8	27.7	22.6	21.5	20.0	18.5	15.4	15.9	14.4	15.4
27.5°	32.3	30.3	27.7	26.7	24.6	20.0	20.0	16.9	15.9	15.9	13.9
30°	33.9	30.8	28.7	26.2	23.6	22.1	19.5	17.4	15.9	15.4	14.9
32.5°	35.9	31.8	27.7	25.7	23.6	20.5	20.0	17.4	15.9	14.4	14.4
35°	33.3	29.8	27.2	25.1	21.5	19.5	18.5	16.9	14.9	14.4	13.3
37.5°	30.3	27.2	25.1	22.6	20.5	18.0	17.4	15.4	14.4	13.3	12.8
40°	27.7	24.6	22.6	20.5	18.5	16.4	15.4	13.9	12.3	11.8	11.8
42.5°	26.2	22.6	20.0	18.5	16.4	14.9	13.9	12.3	11.3	10.8	10.8
45°	24.1	20.5	18.0	15.9	14.4	13.3	12.3	10.8	9.7	9.7	9.7
47.5°	23.1	19.0	16.4	14.4	12.8	11.8	10.8	9.2	8.2	8.7	8.7
50°	21.5	17.4	14.4	13.3	11.8	10.8	9.7	8.2	7.7	7.7	7.7
52.5°	20.0	15.4	12.8	11.8	10.8	9.7	8.2	6.7	6.2	6.7	6.2
55°	20.0	13.9	11.3	10.3	9.2	8.2	6.7	5.6	5.1	4.6	4.1
57.5°	23.6	13.9	9.7	9.2	8.2	6.7	5.1	4.1	3.6	2.6	2.1
60°	20.5	13.9	8.7	8.2	7.2	5.6	4.1	3.1	2.1	1.5	1.0
62.5°	14.4	10.8	7.7	7.2	5.6	4.1	2.6	1.5	1.0	0.5	0.5
65°	12.3	8.7	7.2	6.2	4.6	3.1	1.5	1.0	0.5	0.5	0.5
67.5°	10.8	8.2	6.2	5.1	4.1	2.1	1.0	0.5	0.5	0.5	0.5
69°	9.7	7.7	6.2	4.6	3.6	1.5	1.0	0.5	0.5	0.5	0.5
70°	9.2	7.2	5.6	4.6	3.1	1.5	0.5	0.5	0.5	0.5	0.5
72.5°	7.7	5.6	4.6	4.1	2.6	1.0	0.5	0.5	0.5	0.5	0.5
75°	5.6	4.6	3.1	3.1	2.1	1.0	0.5	0.5	0.5	0.5	0.0
77.5°	4.1	3.1	2.1	2.1	1.5	1.0	0.5	0.5	0.5	0.5	0.0
80°	2.6	2.1	1.5	1.5	1.0	1.0	0.0	0.5	0.5	0.5	0.5
82.5°	1.5	1.5	1.5	1.0	1.0	1.0	0.5	1.0	0.5	0.5	0.5
85°	1.5	1.5	1.5	1.0	1.0	1.0	0.5	1.0	1.0	1.0	0.5
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.5	1.5	1.5	1.0	1.0
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°	40.5	40.5	40.5	40.5	40.5
2.5°	28.2	28.2	28.7	29.2	29.2
5°	16.4	11.3	11.8	11.8	11.8
7.5°	7.7	7.7	8.2	8.2	8.2
10°	11.8	11.8	11.8	11.8	12.3
12.5°	10.8	11.3	11.3	11.3	11.8
15°	12.8	13.3	13.9	13.9	14.4
17.5°	11.8	11.8	12.8	12.8	12.8
20°	13.9	13.9	13.9	13.9	13.9
22.5°	12.3	12.8	14.4	14.9	15.4
25°	14.4	13.9	13.9	13.9	13.9
27.5°	14.4	14.4	14.9	14.9	14.9
30°	14.4	13.3	13.3	13.9	14.4
32.5°	14.4	14.4	13.9	13.9	13.9
35°	13.3	14.4	14.4	14.4	14.4
37.5°	12.8	12.8	14.4	14.9	14.9
40°	12.3	12.8	13.3	15.4	15.4
42.5°	11.8	12.8	13.9	14.9	14.9
45°	11.3	12.3	12.8	13.9	13.9
47.5°	10.3	11.3	11.8	12.3	12.3
50°	9.2	9.2	9.7	9.7	9.2
52.5°	6.7	6.7	6.2	6.2	6.2
55°	4.1	3.6	3.6	3.6	3.1
57.5°	2.1	2.1	1.5	1.5	1.5
60°	1.0	0.5	0.5	0.5	0.5
62.5°	0.5	0.5	0.0	0.0	0.0
65°	0.5	0.5	0.0	0.0	0.0
67.5°	0.5	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°	0.5	0.0	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.0	0.0
87.5°	1.0	0.5	0.5	0.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)