

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: P179401

Luminaire Tested: **UTLD-E03-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179401
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-T4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5347.5 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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

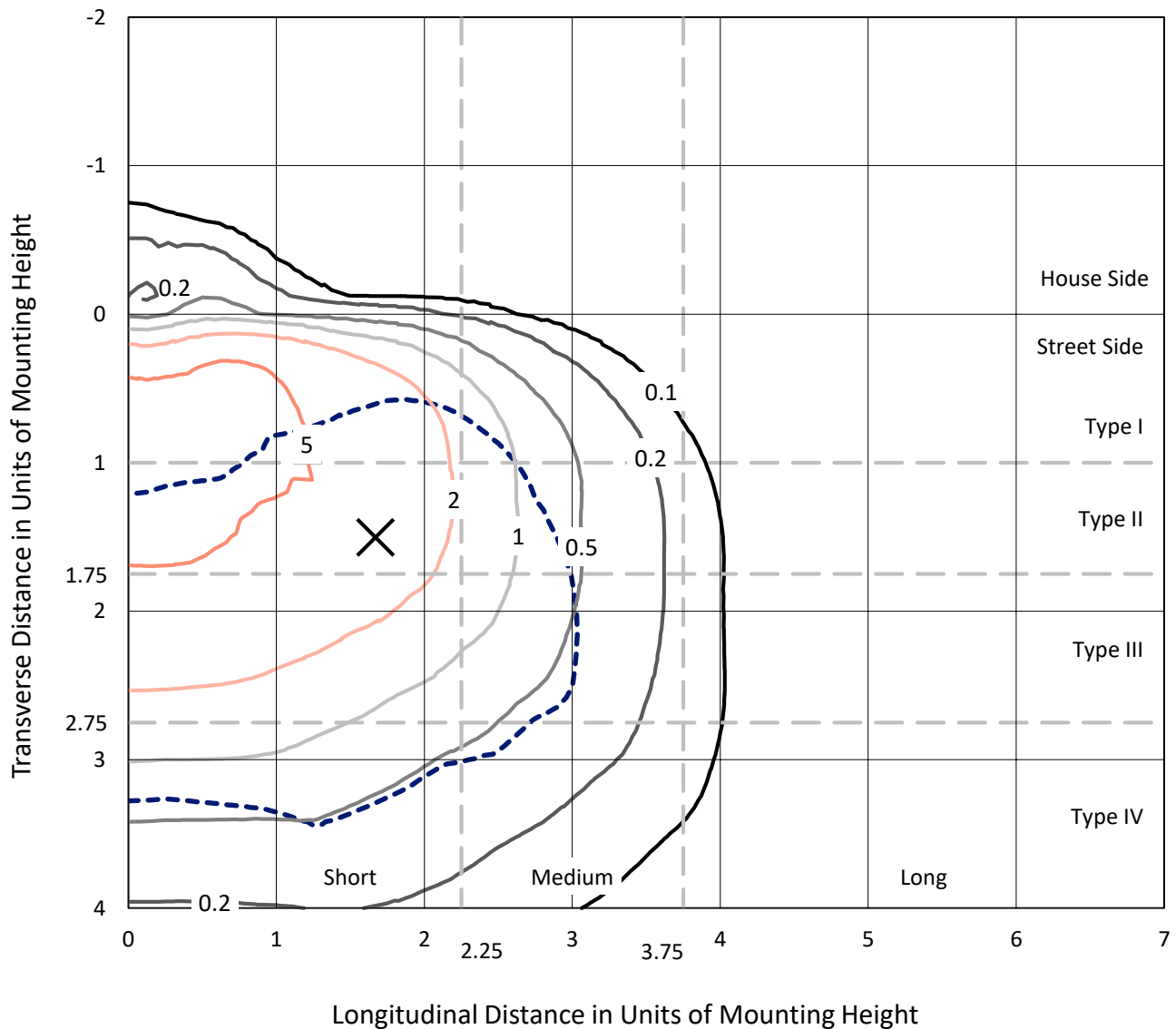


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

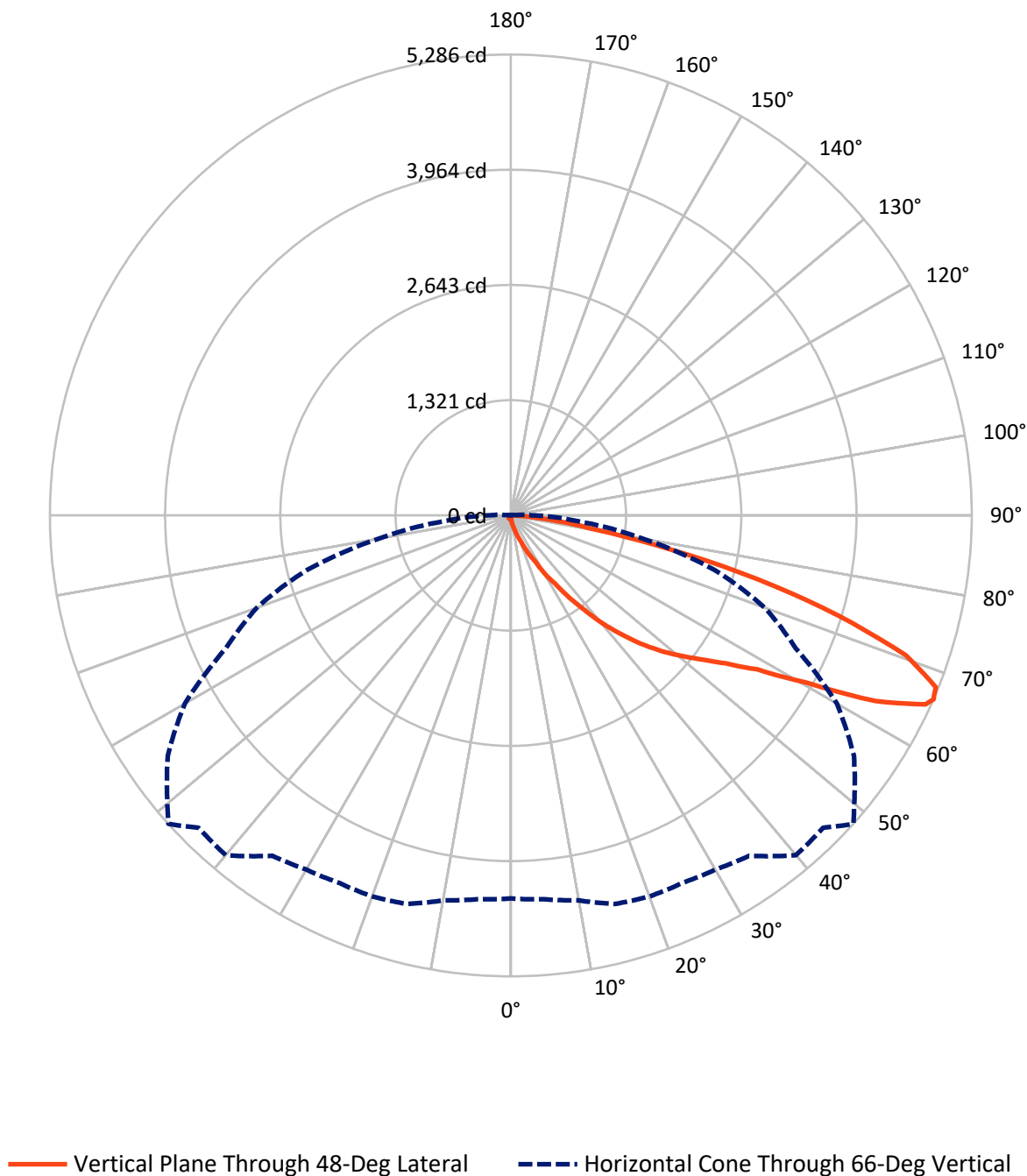


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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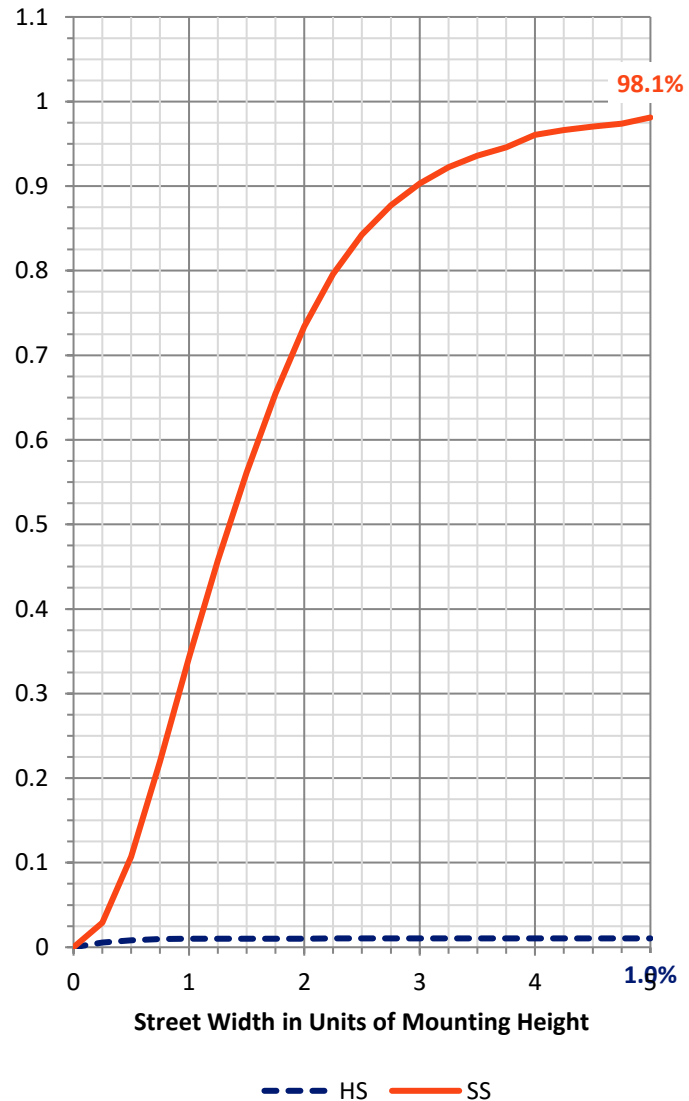
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.3	0.0	57.3
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	5290.3	0.0	5290.3
	% Fixture	98.9	0.0	98.9
Total	Lumens	5347.5	0.0	5347.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	33.2	0.6
20°-30°	127.0	2.4
30°-40°	355.8	6.7
40°-50°	690.8	12.9
50°-60°	1132.0	21.2
60°-70°	1845.0	34.5
70°-80°	1039.8	19.4
80°-90°	118.9	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°	5347.5	100.0
0°-180°	5347.5	100.0

Coefficient of Utilization



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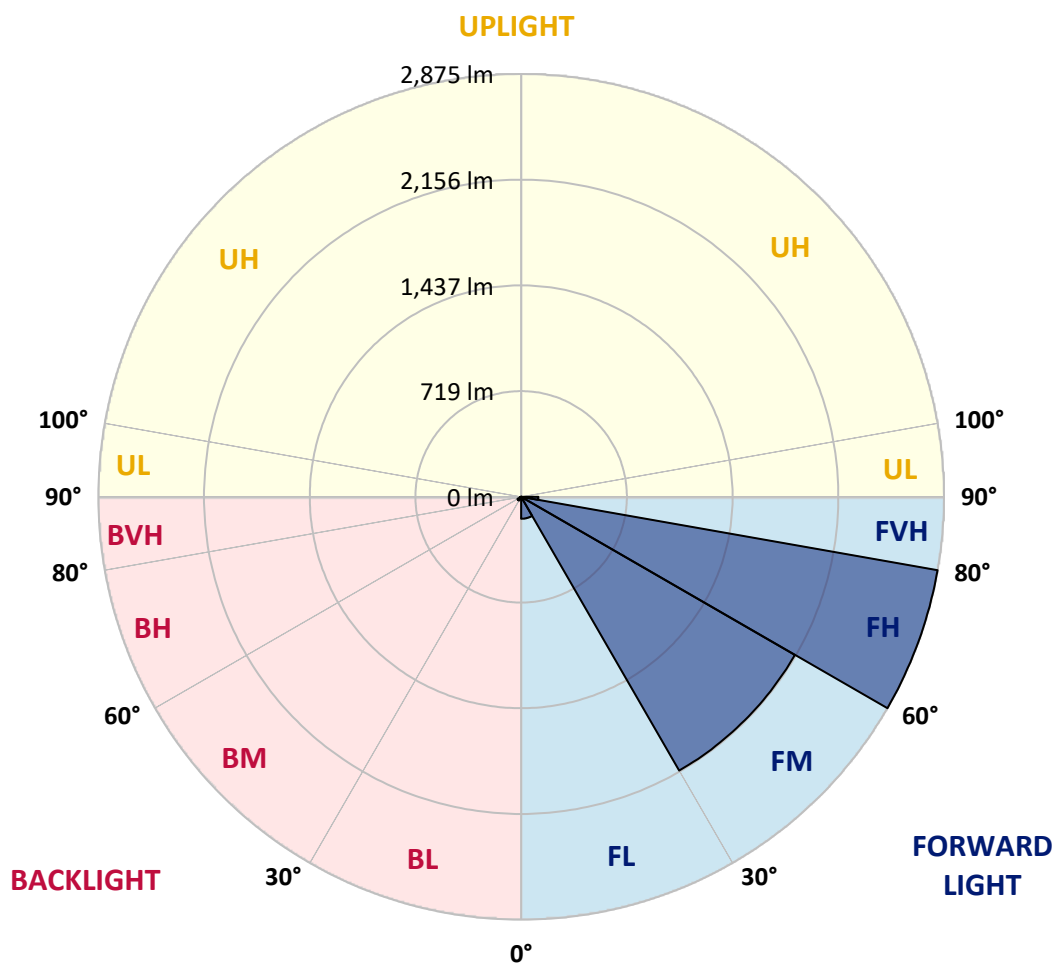
CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.6	2.8			
FM	(30°-60°)	2149.0	40.2			
FH	(60°-80°)	2874.6	53.8			G2/5000
FVH	(80°-90°)	117.0	2.2			G2/225
BL	(0°-30°)	15.6	0.3	B0/110		
BM	(30°-60°)	29.5	0.6	B0/220		
BH	(60°-80°)	10.2	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
2.5°	53.9	53.9	53.9	53.9	52.3	50.8	50.8	49.3	49.3	49.3	49.3
5°	78.5	78.5	73.9	72.3	69.3	67.7	64.6	63.1	61.6	58.5	58.5
7.5°	124.7	123.1	123.1	121.6	120.1	117.0	112.4	109.3	104.7	80.0	73.9
10°	158.5	160.1	157.0	155.5	146.2	141.6	135.4	129.3	127.8	117.0	110.8
12.5°	218.6	220.1	217.0	215.5	209.3	204.7	193.9	186.2	155.5	143.1	141.6
15°	312.4	312.4	297.1	266.3	257.0	246.3	229.3	226.3	227.8	207.8	181.6
17.5°	364.8	366.3	361.7	354.0	344.8	334.0	323.2	286.3	266.3	249.3	241.6
20°	497.1	497.1	487.9	472.5	417.1	395.6	394.0	375.6	361.7	318.6	301.7
22.5°	574.1	581.8	571.0	560.3	541.8	547.9	521.8	443.3	444.8	404.8	389.4
25°	754.2	755.7	738.8	726.5	720.3	628.0	603.4	615.7	567.9	517.2	504.8
27.5°	938.9	949.7	848.1	825.0	825.0	805.0	814.2	726.5	714.2	651.1	601.8
30°	1077.4	1082.0	1065.1	1025.1	1009.7	1005.1	925.0	931.2	855.8	758.8	791.1
32.5°	1328.3	1336.0	1303.7	1288.3	1179.0	1137.4	1088.2	1089.7	997.4	982.0	931.2
35°	1633.0	1640.7	1599.2	1468.4	1449.9	1391.4	1363.7	1256.0	1239.0	1159.0	1159.0
37.5°	1834.7	1808.5	1770.0	1720.8	1731.6	1654.6	1565.3	1548.4	1456.0	1396.0	1379.1
40°	1985.5	1993.2	1990.1	1965.5	1911.6	1839.3	1810.0	1768.5	1693.1	1633.0	1640.7
42.5°	2116.3	2131.7	2144.0	2108.6	2065.6	2034.8	1993.2	1967.0	1905.5	1830.1	1867.0
45°	2247.2	2259.5	2285.6	2264.1	2233.3	2228.7	2128.7	2153.3	2104.0	2044.0	2105.6
47.5°	2399.5	2411.9	2431.9	2433.4	2430.3	2365.7	2282.6	2319.5	2308.7	2236.4	2322.6
50°	2570.4	2571.9	2607.3	2632.0	2584.2	2533.5	2453.4	2471.9	2488.8	2433.4	2533.5
52.5°	2755.1	2775.1	2801.3	2818.2	2752.0	2727.4	2659.7	2656.6	2692.0	2635.0	2742.8
55°	3035.2	3044.5	3056.8	3062.9	2976.7	2986.0	2887.5	2878.2	2930.6	2869.0	2996.7
57.5°	3387.7	3412.3	3438.5	3426.2	3336.9	3329.2	3195.3	3150.7	3241.5	3204.5	3330.7
60°	3923.3	3946.4	3966.4	3980.3	3931.0	3901.8	3695.5	3663.2	3815.6	3740.2	3891.0
62.5°	4483.6	4508.2	4531.3	4628.2	4577.5	4540.5	4414.3	4414.3	4600.5	4545.1	4689.8
65°	4475.9	4511.3	4563.6	4691.4	4714.4	4697.5	4692.9	4751.4	5040.7	5022.3	5225.4
66°	4392.8	4417.4	4483.6	4612.9	4649.8	4651.3	4689.8	4765.2	5085.4	5065.4	5285.5
67.5°	4198.8	4229.6	4300.4	4454.3	4492.8	4522.0	4622.1	4682.1	5042.3	5030.0	5256.2
70°	3760.2	3774.0	3840.2	4000.3	4092.6	4077.2	4228.1	4251.2	4600.5	4645.2	4805.3
72.5°	2896.7	2878.2	3079.9	3301.5	3452.3	3393.8	3503.1	3509.3	3806.3	3801.7	3929.5
75°	1540.7	1551.5	1677.7	1973.2	2525.8	2542.7	2564.2	2562.7	2804.3	2802.8	2916.7
77.5°	974.3	1000.5	1048.2	1137.4	1414.5	1616.1	1694.6	1662.3	1768.5	1805.4	1863.9
80°	394.0	411.0	467.9	614.1	945.0	1023.5	1048.2	1000.5	1020.5	971.2	971.2
82.5°	130.8	132.4	150.8	190.9	484.8	677.2	697.2	589.5	580.3	563.3	563.3
85°	70.8	70.8	73.9	100.0	187.8	364.8	400.2	269.4	264.7	224.7	207.8
87.5°	6.2	7.7	6.2	16.9	29.2	55.4	64.6	67.7	77.0	87.7	70.8
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°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
2.5°	49.3	49.3	49.3	50.8	50.8	49.3	47.7	43.1	41.6	38.5	35.4
5°	56.9	55.4	52.3	50.8	49.3	47.7	47.7	44.6	38.5	33.9	29.2
7.5°	72.3	64.6	60.0	56.9	52.3	47.7	46.2	46.2	36.9	30.8	27.7
10°	107.7	104.7	80.0	69.3	63.1	58.5	55.4	56.9	46.2	36.9	35.4
12.5°	138.5	130.8	117.0	92.3	72.3	66.2	60.0	53.9	46.2	36.9	32.3
15°	173.9	155.5	141.6	126.2	103.1	84.7	73.9	69.3	56.9	47.7	41.6
17.5°	234.0	227.8	175.5	153.9	132.4	95.4	83.1	67.7	60.0	46.2	41.6
20°	292.4	269.4	229.3	201.6	172.4	133.9	106.2	89.3	72.3	61.6	55.4
22.5°	370.9	349.4	306.3	240.1	204.7	170.8	121.6	106.2	83.1	69.3	61.6
25°	501.8	431.0	380.2	334.0	278.6	224.7	153.9	115.4	92.3	77.0	67.7
27.5°	603.4	561.8	498.7	426.3	326.3	260.1	193.9	132.4	103.1	84.7	72.3
30°	818.8	680.3	658.8	558.7	427.9	309.4	221.6	152.4	107.7	86.2	73.9
32.5°	951.2	905.0	797.3	688.0	561.8	415.6	278.6	169.3	115.4	87.7	78.5
35°	1186.7	1074.3	1017.4	903.5	731.1	532.5	334.0	201.6	115.4	89.3	77.0
37.5°	1429.9	1311.4	1202.1	1085.1	883.5	634.1	403.3	227.8	123.1	84.7	72.3
40°	1628.4	1514.5	1365.2	1251.3	1011.2	740.3	486.4	244.7	118.5	81.6	66.2
42.5°	1853.1	1717.7	1554.5	1431.4	1159.0	885.0	554.1	287.8	121.6	78.5	60.0
45°	2064.0	1917.8	1753.1	1580.7	1302.1	1023.5	632.6	312.4	132.4	77.0	53.9
47.5°	2261.0	2107.1	1951.7	1710.0	1479.1	1169.8	752.6	372.5	141.6	72.3	49.3
50°	2438.0	2291.8	2119.4	1845.5	1623.8	1279.0	868.1	415.6	152.4	66.2	44.6
52.5°	2639.7	2488.8	2264.1	1988.6	1757.7	1419.1	971.2	474.1	166.2	60.0	40.0
55°	2889.0	2699.7	2482.7	2224.1	1914.7	1599.2	1088.2	529.5	184.7	53.9	35.4
57.5°	3198.4	3038.3	2816.7	2513.4	2150.2	1776.2	1229.8	600.3	201.6	49.3	32.3
60°	3761.7	3553.9	3344.6	2987.5	2501.1	2059.4	1400.6	692.6	229.3	44.6	29.2
62.5°	4560.5	4334.3	3995.7	3478.5	2958.3	2327.2	1568.4	785.0	260.1	40.0	27.7
65°	5068.4	4757.5	4305.0	3632.4	3126.0	2450.3	1582.3	783.4	263.2	36.9	24.6
66°	5140.8	4802.2	4315.8	3604.7	3101.4	2419.6	1545.3	772.7	258.6	33.9	23.1
67.5°	5133.1	4759.1	4235.8	3489.3	2978.3	2310.3	1425.3	718.8	244.7	32.3	21.5
70°	4731.4	4358.9	3806.3	3090.6	2604.3	1996.3	1225.2	617.2	209.3	27.7	18.5
72.5°	3929.5	3577.0	3076.8	2450.3	2099.4	1579.2	938.9	484.8	164.7	23.1	15.4
75°	2902.9	2565.8	2185.6	1702.3	1382.2	998.9	584.9	314.0	107.7	18.5	12.3
77.5°	1811.6	1526.8	1159.0	866.5	644.9	415.6	206.2	106.2	46.2	15.4	9.2
80°	955.8	778.8	561.8	406.3	298.6	186.2	95.4	49.3	24.6	12.3	6.2
82.5°	551.0	463.3	343.2	255.5	200.1	130.8	70.8	40.0	18.5	7.7	4.6
85°	198.6	170.8	190.9	144.7	109.3	72.3	50.8	32.3	12.3	6.2	4.6
87.5°	73.9	60.0	53.9	46.2	44.6	44.6	41.6	24.6	7.7	4.6	4.6
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
2.5°	33.9	30.8	30.8	29.2	29.2	27.7	27.7	27.7	27.7	27.7	29.2
5°	27.7	26.2	26.2	26.2	24.6	24.6	27.7	29.2	30.8	32.3	30.8
7.5°	27.7	26.2	24.6	26.2	29.2	23.1	18.5	16.9	15.4	16.9	16.9
10°	30.8	29.2	32.3	21.5	15.4	13.9	15.4	15.4	15.4	20.0	24.6
12.5°	30.8	32.3	24.6	21.5	21.5	20.0	24.6	21.5	21.5	21.5	21.5
15°	41.6	30.8	26.2	23.1	26.2	27.7	27.7	26.2	23.1	21.5	26.2
17.5°	35.4	32.3	30.8	36.9	33.9	29.2	26.2	29.2	30.8	27.7	24.6
20°	49.3	44.6	43.1	36.9	33.9	33.9	35.4	29.2	27.7	27.7	30.8
22.5°	52.3	47.7	49.3	46.2	44.6	35.4	33.9	32.3	32.3	29.2	29.2
25°	63.1	64.6	56.9	49.3	44.6	41.6	38.5	32.3	32.3	29.2	30.8
27.5°	67.7	63.1	56.9	53.9	49.3	40.0	38.5	33.9	30.8	30.8	27.7
30°	70.8	64.6	60.0	53.9	47.7	43.1	38.5	32.3	29.2	29.2	27.7
32.5°	75.4	67.7	56.9	50.8	46.2	38.5	36.9	30.8	27.7	24.6	24.6
35°	69.3	61.6	53.9	47.7	40.0	35.4	32.3	29.2	24.6	23.1	21.5
37.5°	61.6	53.9	47.7	41.6	36.9	32.3	29.2	24.6	21.5	20.0	18.5
40°	55.4	46.2	41.6	35.4	32.3	27.7	24.6	20.0	16.9	15.4	13.9
42.5°	49.3	40.0	35.4	30.8	26.2	23.1	20.0	15.4	12.3	10.8	9.2
45°	43.1	35.4	29.2	26.2	21.5	18.5	15.4	10.8	7.7	6.2	4.6
47.5°	38.5	30.8	26.2	21.5	18.5	13.9	10.8	6.2	4.6	3.1	1.5
50°	33.9	26.2	21.5	18.5	13.9	10.8	7.7	4.6	3.1	1.5	1.5
52.5°	29.2	23.1	20.0	15.4	12.3	7.7	4.6	3.1	1.5	1.5	0.0
55°	26.2	21.5	16.9	12.3	9.2	6.2	3.1	1.5	1.5	0.0	0.0
57.5°	24.6	20.0	13.9	9.2	7.7	4.6	3.1	1.5	1.5	0.0	0.0
60°	23.1	16.9	10.8	7.7	6.2	3.1	1.5	1.5	1.5	0.0	0.0
62.5°	21.5	13.9	9.2	6.2	4.6	3.1	1.5	1.5	1.5	1.5	0.0
65°	16.9	10.8	6.2	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
66°	15.4	9.2	6.2	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
67.5°	13.9	9.2	4.6	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
70°	10.8	6.2	4.6	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5
72.5°	9.2	6.2	4.6	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5
75°	7.7	4.6	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5
77.5°	6.2	4.6	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5
80°	4.6	4.6	3.1	3.1	3.1	3.1	1.5	3.1	3.1	1.5	1.5
82.5°	4.6	3.1	3.1	3.1	3.1	4.6	1.5	3.1	3.1	3.1	3.1
85°	4.6	3.1	3.1	4.6	4.6	4.6	1.5	4.6	4.6	4.6	3.1
87.5°	4.6	4.6	4.6	4.6	6.2	6.2	3.1	6.2	6.2	6.2	4.6
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):

	160°	165°	170°	175°	180°
0°	41.6	41.6	41.6	41.6	41.6
2.5°	29.2	30.8	30.8	30.8	30.8
5°	30.8	27.7	29.2	29.2	29.2
7.5°	18.5	18.5	18.5	18.5	18.5
10°	26.2	26.2	26.2	26.2	26.2
12.5°	23.1	24.6	24.6	24.6	24.6
15°	27.7	29.2	29.2	29.2	30.8
17.5°	24.6	24.6	27.7	26.2	27.7
20°	29.2	29.2	29.2	29.2	29.2
22.5°	26.2	26.2	29.2	30.8	30.8
25°	29.2	27.7	27.7	27.7	27.7
27.5°	27.7	29.2	29.2	29.2	29.2
30°	26.2	24.6	26.2	26.2	27.7
32.5°	24.6	24.6	24.6	24.6	24.6
35°	21.5	21.5	21.5	23.1	23.1
37.5°	16.9	16.9	18.5	18.5	18.5
40°	13.9	12.3	12.3	13.9	13.9
42.5°	9.2	7.7	7.7	7.7	7.7
45°	4.6	3.1	3.1	3.1	3.1
47.5°	1.5	1.5	1.5	1.5	1.5
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
66°	1.5	0.0	0.0	0.0	0.0
67.5°	1.5	0.0	0.0	0.0	0.0
70°	1.5	0.0	0.0	0.0	0.0
72.5°	1.5	1.5	0.0	0.0	0.0
75°	1.5	1.5	0.0	0.0	0.0
77.5°	1.5	1.5	1.5	0.0	0.0
80°	1.5	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	0.0
85°	3.1	3.1	3.1	3.1	0.0
87.5°	4.6	4.6	4.6	4.6	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)