

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: P179400

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179400
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5211.5 lumens
Efficiency: N/A
Efficacy: 69.3 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

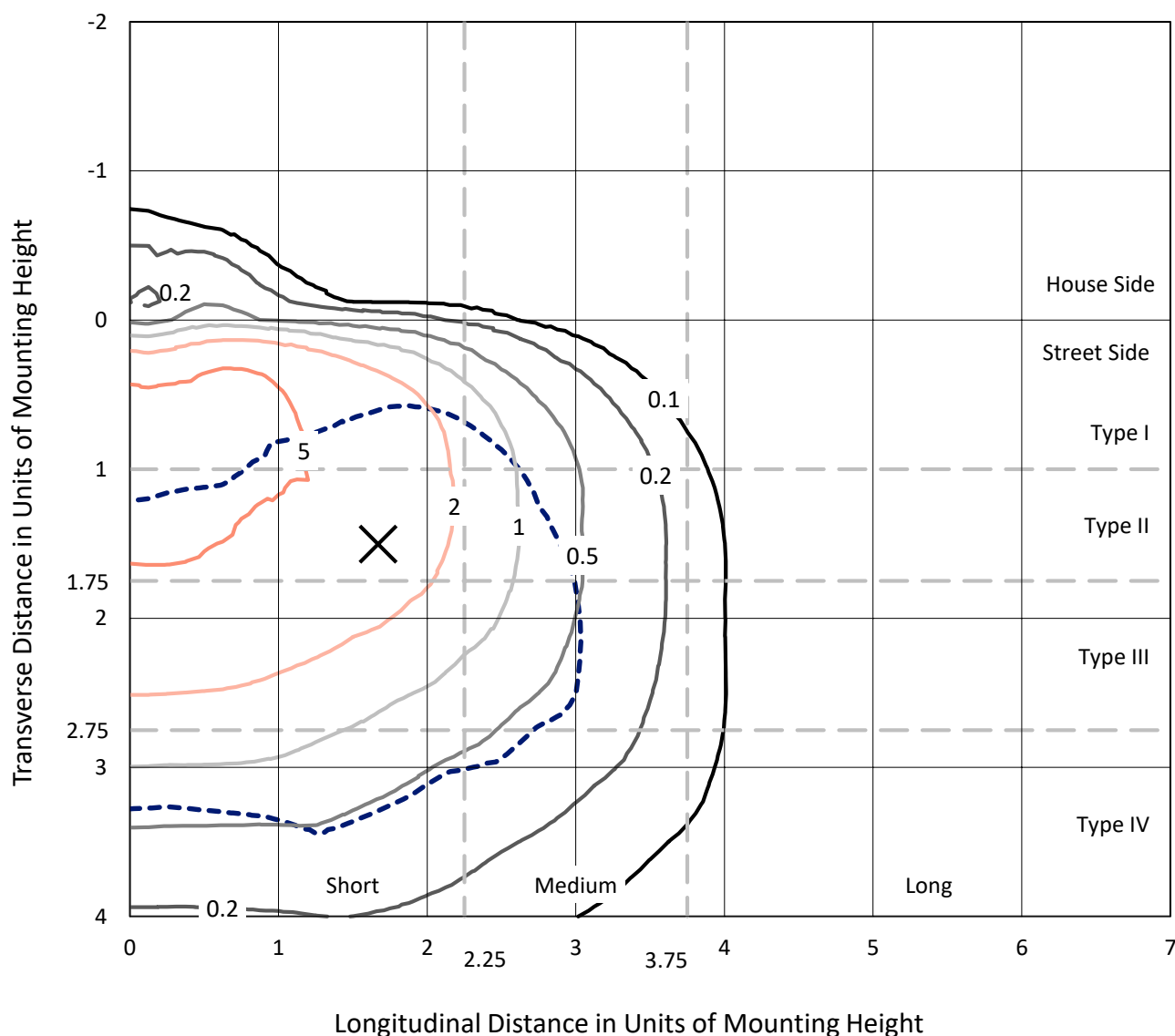


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

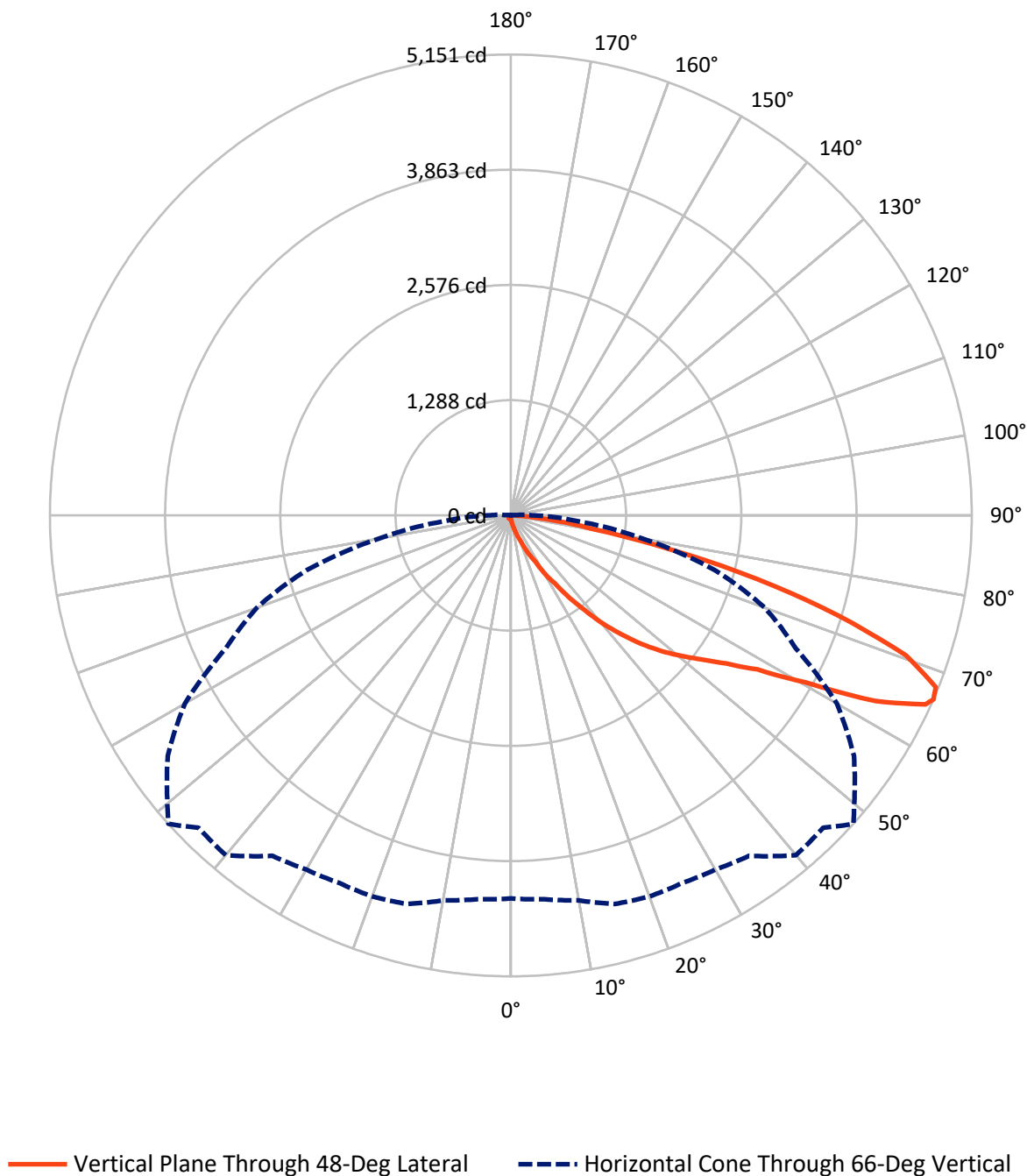


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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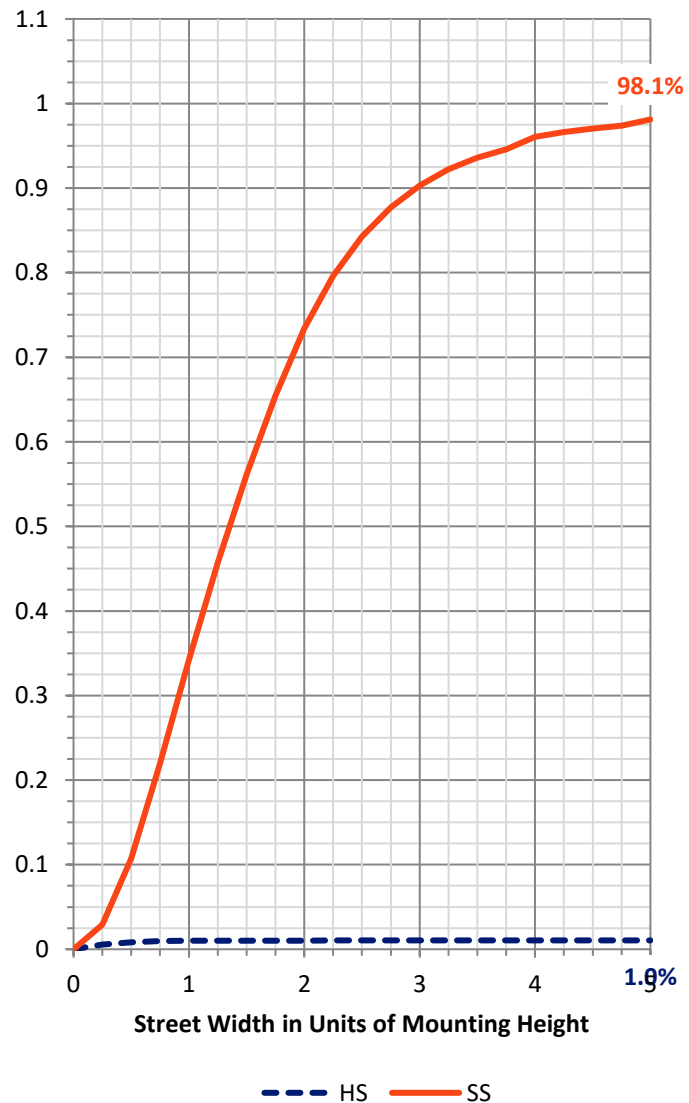
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.8	0.0	55.8
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	5155.7	0.0	5155.7
	% Fixture	98.9	0.0	98.9
Total	Lumens	5211.5	0.0	5211.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	32.4	0.6
20°-30°	123.8	2.4
30°-40°	346.7	6.7
40°-50°	673.2	12.9
50°-60°	1103.2	21.2
60°-70°	1798.1	34.5
70°-80°	1013.4	19.4
80°-90°	115.9	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°	5211.5	100.0
0°-180°	5211.5	100.0

Coefficient of Utilization



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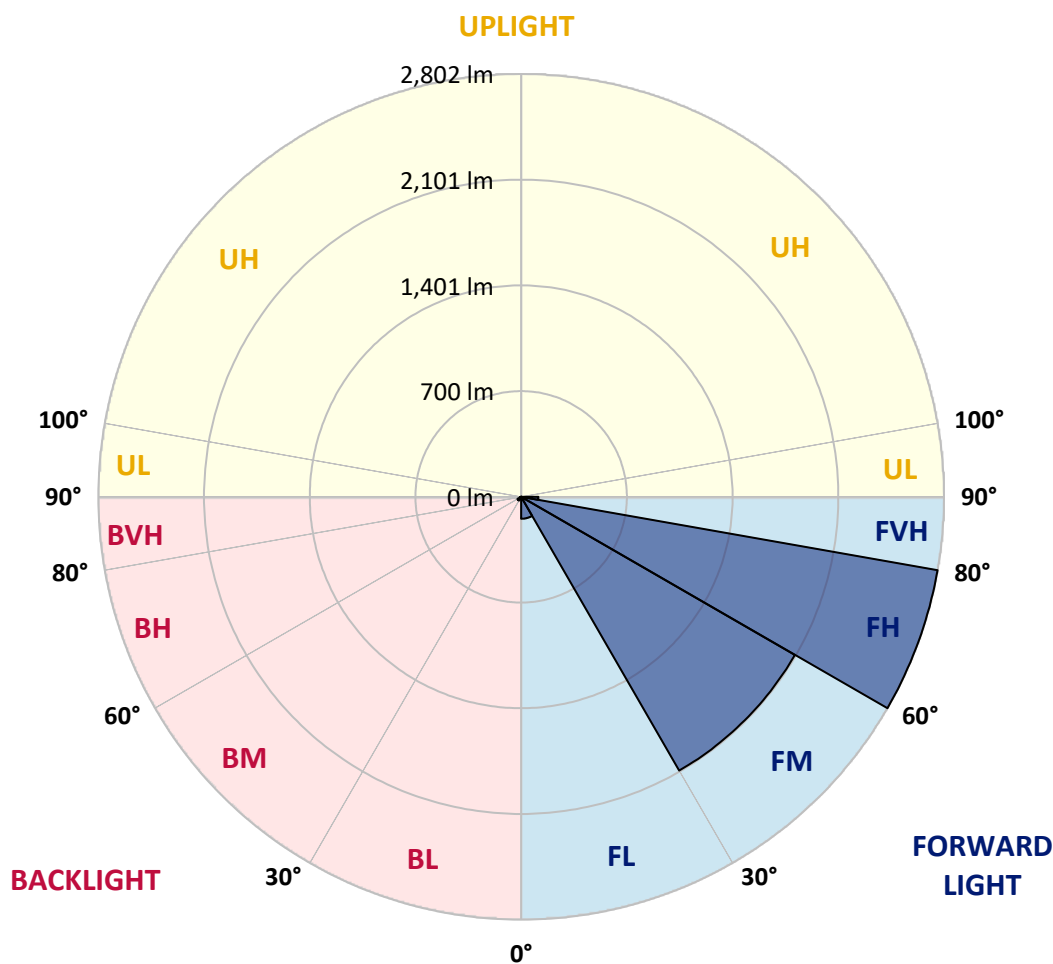
CATALOG NUMBER: UTLD-E03-LED-E-U-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.8	2.8			
FM	(30°-60°)	2094.3	40.2			
FH	(60°-80°)	2801.5	53.8			G2/5000
FVH	(80°-90°)	114.0	2.2			G2/225
BL	(0°-30°)	15.2	0.3	B0/110		
BM	(30°-60°)	28.7	0.6	B0/220		
BH	(60°-80°)	9.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	52.5	52.5	52.5	52.5	51.0	49.5	49.5	48.0	48.0	48.0	48.0
5°	76.5	76.5	72.0	70.5	67.5	66.0	63.0	61.5	60.0	57.0	57.0
7.5°	121.5	120.0	120.0	118.5	117.0	114.0	109.5	106.5	102.0	78.0	72.0
10°	154.5	156.0	153.0	151.5	142.5	138.0	132.0	126.0	124.5	114.0	108.0
12.5°	213.0	214.5	211.5	210.0	204.0	199.5	189.0	181.5	151.5	139.5	138.0
15°	304.5	304.5	289.5	259.5	250.5	240.0	223.5	220.5	222.0	202.5	177.0
17.5°	355.5	357.0	352.5	345.0	336.0	325.5	315.0	279.0	259.5	243.0	235.5
20°	484.5	484.5	475.5	460.5	406.5	385.5	384.0	366.0	352.5	310.5	294.0
22.5°	559.5	567.0	556.5	546.0	528.0	534.0	508.5	432.0	433.5	394.5	379.5
25°	735.0	736.5	720.0	708.0	702.0	612.0	588.0	600.0	553.5	504.0	492.0
27.5°	915.0	925.5	826.5	804.0	804.0	784.5	793.5	708.0	696.0	634.5	586.5
30°	1050.0	1054.5	1038.0	999.0	984.0	979.5	901.5	907.5	834.0	739.5	771.0
32.5°	1294.5	1302.0	1270.5	1255.5	1149.0	1108.5	1060.5	1062.0	972.0	957.0	907.5
35°	1591.5	1599.0	1558.5	1431.0	1413.0	1356.0	1329.0	1224.0	1207.5	1129.5	1129.5
37.5°	1788.0	1762.5	1725.0	1677.0	1687.5	1612.5	1525.5	1509.0	1419.0	1360.5	1344.0
40°	1935.0	1942.5	1939.5	1915.5	1863.0	1792.5	1764.0	1723.5	1650.0	1591.5	1599.0
42.5°	2062.5	2077.5	2089.5	2055.0	2013.0	1983.0	1942.5	1917.0	1857.0	1783.5	1819.5
45°	2190.0	2202.0	2227.5	2206.5	2176.5	2172.0	2074.5	2098.5	2050.5	1992.0	2052.0
47.5°	2338.5	2350.5	2370.0	2371.5	2368.5	2305.5	2224.5	2260.5	2250.0	2179.5	2263.5
50°	2505.0	2506.5	2541.0	2565.0	2518.5	2469.0	2391.0	2409.0	2425.5	2371.5	2469.0
52.5°	2685.0	2704.5	2730.0	2746.5	2682.0	2658.0	2592.0	2589.0	2623.5	2568.0	2673.0
55°	2958.0	2967.0	2979.0	2985.0	2901.0	2910.0	2814.0	2805.0	2856.0	2796.0	2920.5
57.5°	3301.5	3325.5	3351.0	3339.0	3252.0	3244.5	3114.0	3070.5	3159.0	3123.0	3246.0
60°	3823.5	3846.0	3865.5	3879.0	3831.0	3802.5	3601.5	3570.0	3718.5	3645.0	3792.0
62.5°	4369.5	4393.5	4416.0	4510.5	4461.0	4425.0	4302.0	4302.0	4483.5	4429.5	4570.5
65°	4362.0	4396.5	4447.5	4572.0	4594.5	4578.0	4573.5	4630.5	4912.5	4894.5	5092.5
66°	4281.0	4305.0	4369.5	4495.5	4531.5	4533.0	4570.5	4644.0	4956.0	4936.5	5151.0
67.5°	4092.0	4122.0	4191.0	4341.0	4378.5	4407.0	4504.5	4563.0	4914.0	4902.0	5122.5
70°	3664.5	3678.0	3742.5	3898.5	3988.5	3973.5	4120.5	4143.0	4483.5	4527.0	4683.0
72.5°	2823.0	2805.0	3001.5	3217.5	3364.5	3307.5	3414.0	3420.0	3709.5	3705.0	3829.5
75°	1501.5	1512.0	1635.0	1923.0	2461.5	2478.0	2499.0	2497.5	2733.0	2731.5	2842.5
77.5°	949.5	975.0	1021.5	1108.5	1378.5	1575.0	1651.5	1620.0	1723.5	1759.5	1816.5
80°	384.0	400.5	456.0	598.5	921.0	997.5	1021.5	975.0	994.5	946.5	946.5
82.5°	127.5	129.0	147.0	186.0	472.5	660.0	679.5	574.5	565.5	549.0	549.0
85°	69.0	69.0	72.0	97.5	183.0	355.5	390.0	262.5	258.0	219.0	202.5
87.5°	6.0	7.5	6.0	16.5	28.5	54.0	63.0	66.0	75.0	85.5	69.0
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):

	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°	48.0	48.0	48.0	49.5	49.5	48.0	46.5	42.0	40.5	37.5	34.5
5°	55.5	54.0	51.0	49.5	48.0	46.5	46.5	43.5	37.5	33.0	28.5
7.5°	70.5	63.0	58.5	55.5	51.0	46.5	45.0	45.0	36.0	30.0	27.0
10°	105.0	102.0	78.0	67.5	61.5	57.0	54.0	55.5	45.0	36.0	34.5
12.5°	135.0	127.5	114.0	90.0	70.5	64.5	58.5	52.5	45.0	36.0	31.5
15°	169.5	151.5	138.0	123.0	100.5	82.5	72.0	67.5	55.5	46.5	40.5
17.5°	228.0	222.0	171.0	150.0	129.0	93.0	81.0	66.0	58.5	45.0	40.5
20°	285.0	262.5	223.5	196.5	168.0	130.5	103.5	87.0	70.5	60.0	54.0
22.5°	361.5	340.5	298.5	234.0	199.5	166.5	118.5	103.5	81.0	67.5	60.0
25°	489.0	420.0	370.5	325.5	271.5	219.0	150.0	112.5	90.0	75.0	66.0
27.5°	588.0	547.5	486.0	415.5	318.0	253.5	189.0	129.0	100.5	82.5	70.5
30°	798.0	663.0	642.0	544.5	417.0	301.5	216.0	148.5	105.0	84.0	72.0
32.5°	927.0	882.0	777.0	670.5	547.5	405.0	271.5	165.0	112.5	85.5	76.5
35°	1156.5	1047.0	991.5	880.5	712.5	519.0	325.5	196.5	112.5	87.0	75.0
37.5°	1393.5	1278.0	1171.5	1057.5	861.0	618.0	393.0	222.0	120.0	82.5	70.5
40°	1587.0	1476.0	1330.5	1219.5	985.5	721.5	474.0	238.5	115.5	79.5	64.5
42.5°	1806.0	1674.0	1515.0	1395.0	1129.5	862.5	540.0	280.5	118.5	76.5	58.5
45°	2011.5	1869.0	1708.5	1540.5	1269.0	997.5	616.5	304.5	129.0	75.0	52.5
47.5°	2203.5	2053.5	1902.0	1666.5	1441.5	1140.0	733.5	363.0	138.0	70.5	48.0
50°	2376.0	2233.5	2065.5	1798.5	1582.5	1246.5	846.0	405.0	148.5	64.5	43.5
52.5°	2572.5	2425.5	2206.5	1938.0	1713.0	1383.0	946.5	462.0	162.0	58.5	39.0
55°	2815.5	2631.0	2419.5	2167.5	1866.0	1558.5	1060.5	516.0	180.0	52.5	34.5
57.5°	3117.0	2961.0	2745.0	2449.5	2095.5	1731.0	1198.5	585.0	196.5	48.0	31.5
60°	3666.0	3463.5	3259.5	2911.5	2437.5	2007.0	1365.0	675.0	223.5	43.5	28.5
62.5°	4444.5	4224.0	3894.0	3390.0	2883.0	2268.0	1528.5	765.0	253.5	39.0	27.0
65°	4939.5	4636.5	4195.5	3540.0	3046.5	2388.0	1542.0	763.5	256.5	36.0	24.0
66°	5010.0	4680.0	4206.0	3513.0	3022.5	2358.0	1506.0	753.0	252.0	33.0	22.5
67.5°	5002.5	4638.0	4128.0	3400.5	2902.5	2251.5	1389.0	700.5	238.5	31.5	21.0
70°	4611.0	4248.0	3709.5	3012.0	2538.0	1945.5	1194.0	601.5	204.0	27.0	18.0
72.5°	3829.5	3486.0	2998.5	2388.0	2046.0	1539.0	915.0	472.5	160.5	22.5	15.0
75°	2829.0	2500.5	2130.0	1659.0	1347.0	973.5	570.0	306.0	105.0	18.0	12.0
77.5°	1765.5	1488.0	1129.5	844.5	628.5	405.0	201.0	103.5	45.0	15.0	9.0
80°	931.5	759.0	547.5	396.0	291.0	181.5	93.0	48.0	24.0	12.0	6.0
82.5°	537.0	451.5	334.5	249.0	195.0	127.5	69.0	39.0	18.0	7.5	4.5
85°	193.5	166.5	186.0	141.0	106.5	70.5	49.5	31.5	12.0	6.0	4.5
87.5°	72.0	58.5	52.5	45.0	43.5	43.5	40.5	24.0	7.5	4.5	4.5
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°	33.0	30.0	30.0	28.5	28.5	27.0	27.0	27.0	27.0	27.0	28.5
5°	27.0	25.5	25.5	25.5	24.0	24.0	27.0	28.5	30.0	31.5	30.0
7.5°	27.0	25.5	24.0	25.5	28.5	22.5	18.0	16.5	15.0	16.5	16.5
10°	30.0	28.5	31.5	21.0	15.0	13.5	15.0	15.0	15.0	19.5	24.0
12.5°	30.0	31.5	24.0	21.0	21.0	19.5	24.0	21.0	21.0	21.0	21.0
15°	40.5	30.0	25.5	22.5	25.5	27.0	27.0	25.5	22.5	21.0	25.5
17.5°	34.5	31.5	30.0	36.0	33.0	28.5	25.5	28.5	30.0	27.0	24.0
20°	48.0	43.5	42.0	36.0	33.0	33.0	34.5	28.5	27.0	27.0	30.0
22.5°	51.0	46.5	48.0	45.0	43.5	34.5	33.0	31.5	31.5	28.5	28.5
25°	61.5	63.0	55.5	48.0	43.5	40.5	37.5	31.5	31.5	28.5	30.0
27.5°	66.0	61.5	55.5	52.5	48.0	39.0	37.5	33.0	30.0	30.0	27.0
30°	69.0	63.0	58.5	52.5	46.5	42.0	37.5	31.5	28.5	28.5	27.0
32.5°	73.5	66.0	55.5	49.5	45.0	37.5	36.0	30.0	27.0	24.0	24.0
35°	67.5	60.0	52.5	46.5	39.0	34.5	31.5	28.5	24.0	22.5	21.0
37.5°	60.0	52.5	46.5	40.5	36.0	31.5	28.5	24.0	21.0	19.5	18.0
40°	54.0	45.0	40.5	34.5	31.5	27.0	24.0	19.5	16.5	15.0	13.5
42.5°	48.0	39.0	34.5	30.0	25.5	22.5	19.5	15.0	12.0	10.5	9.0
45°	42.0	34.5	28.5	25.5	21.0	18.0	15.0	10.5	7.5	6.0	4.5
47.5°	37.5	30.0	25.5	21.0	18.0	13.5	10.5	6.0	4.5	3.0	1.5
50°	33.0	25.5	21.0	18.0	13.5	10.5	7.5	4.5	3.0	1.5	1.5
52.5°	28.5	22.5	19.5	15.0	12.0	7.5	4.5	3.0	1.5	1.5	0.0
55°	25.5	21.0	16.5	12.0	9.0	6.0	3.0	1.5	1.5	0.0	0.0
57.5°	24.0	19.5	13.5	9.0	7.5	4.5	3.0	1.5	1.5	0.0	0.0
60°	22.5	16.5	10.5	7.5	6.0	3.0	1.5	1.5	1.5	0.0	0.0
62.5°	21.0	13.5	9.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5	0.0
65°	16.5	10.5	6.0	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5
66°	15.0	9.0	6.0	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5
67.5°	13.5	9.0	4.5	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5
70°	10.5	6.0	4.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
72.5°	9.0	6.0	4.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
75°	7.5	4.5	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
77.5°	6.0	4.5	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
80°	4.5	4.5	3.0	3.0	3.0	3.0	1.5	3.0	3.0	1.5	1.5
82.5°	4.5	3.0	3.0	3.0	3.0	4.5	1.5	3.0	3.0	3.0	3.0
85°	4.5	3.0	3.0	4.5	4.5	4.5	1.5	4.5	4.5	4.5	3.0
87.5°	4.5	4.5	4.5	4.5	6.0	6.0	3.0	6.0	6.0	6.0	4.5
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):

	160°	165°	170°	175°	180°
0°	40.5	40.5	40.5	40.5	40.5
2.5°	28.5	30.0	30.0	30.0	30.0
5°	30.0	27.0	28.5	28.5	28.5
7.5°	18.0	18.0	18.0	18.0	18.0
10°	25.5	25.5	25.5	25.5	25.5
12.5°	22.5	24.0	24.0	24.0	24.0
15°	27.0	28.5	28.5	28.5	30.0
17.5°	24.0	24.0	27.0	25.5	27.0
20°	28.5	28.5	28.5	28.5	28.5
22.5°	25.5	25.5	28.5	30.0	30.0
25°	28.5	27.0	27.0	27.0	27.0
27.5°	27.0	28.5	28.5	28.5	28.5
30°	25.5	24.0	25.5	25.5	27.0
32.5°	24.0	24.0	24.0	24.0	24.0
35°	21.0	21.0	21.0	22.5	22.5
37.5°	16.5	16.5	18.0	18.0	18.0
40°	13.5	12.0	12.0	13.5	13.5
42.5°	9.0	7.5	7.5	7.5	7.5
45°	4.5	3.0	3.0	3.0	3.0
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°	3.0	3.0	3.0	3.0	0.0
87.5°	4.5	4.5	4.5	4.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)