

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: P179281

Luminaire Tested: **UTLD-E03-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179281
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4765.3 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

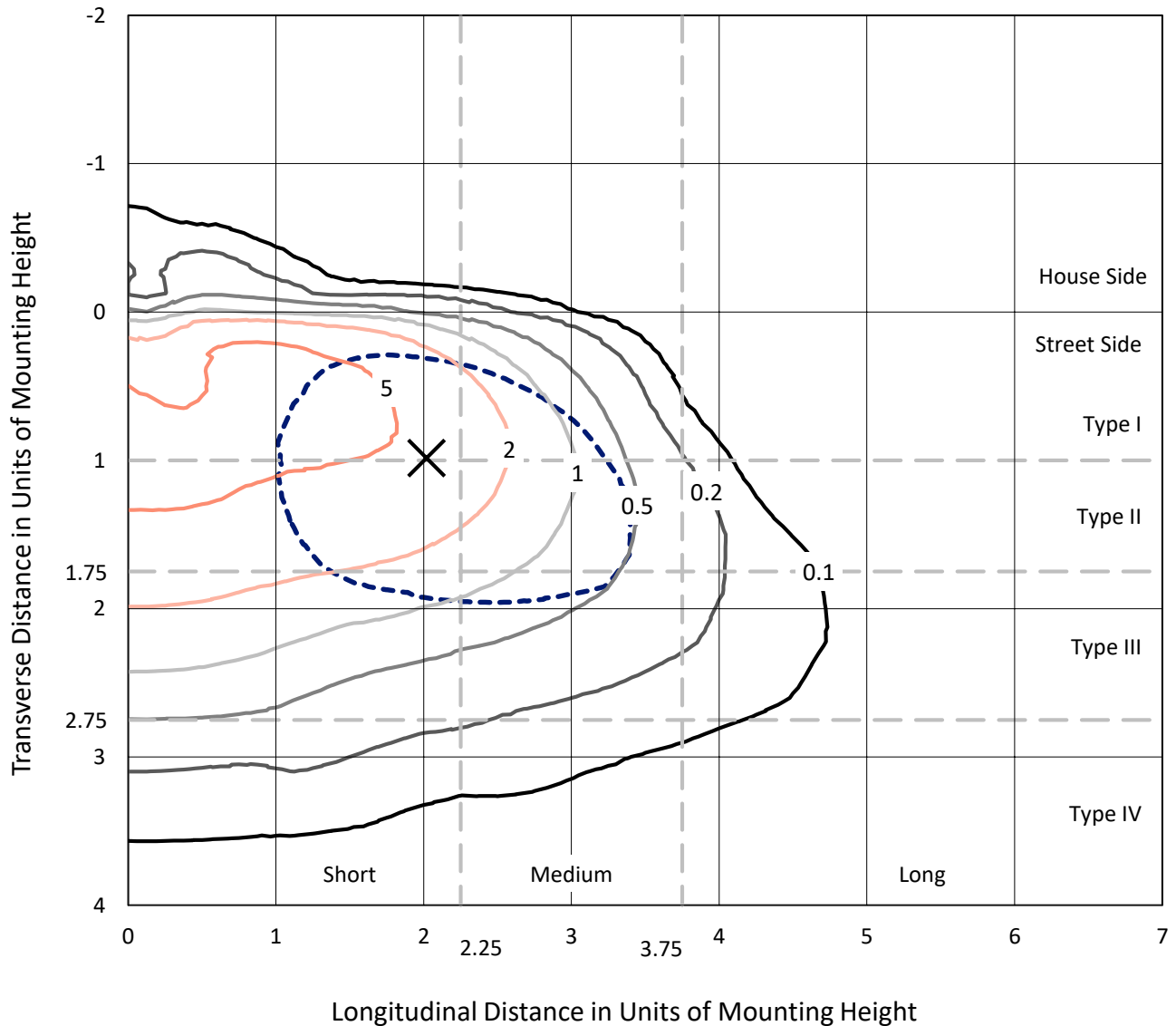
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

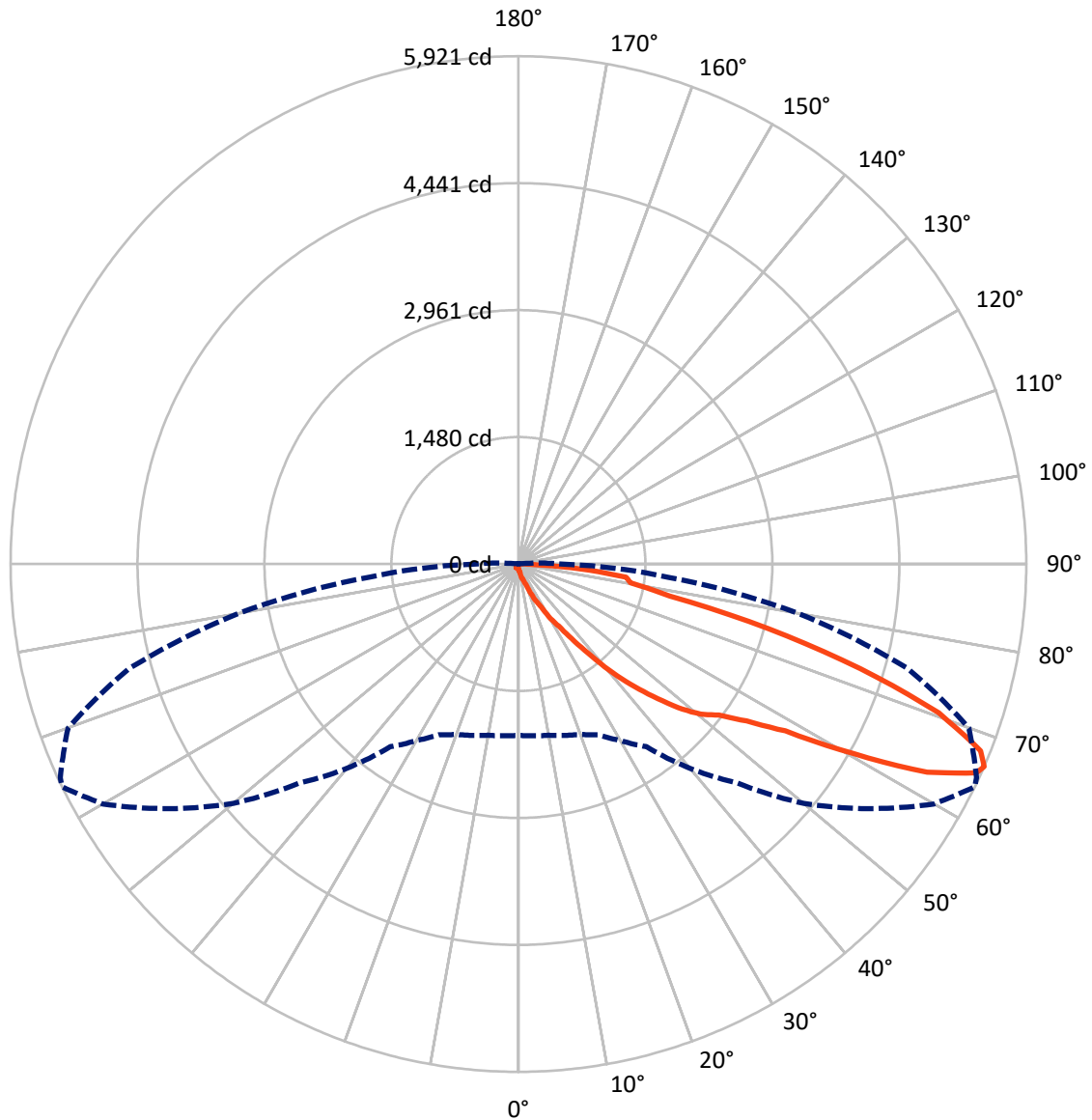


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical



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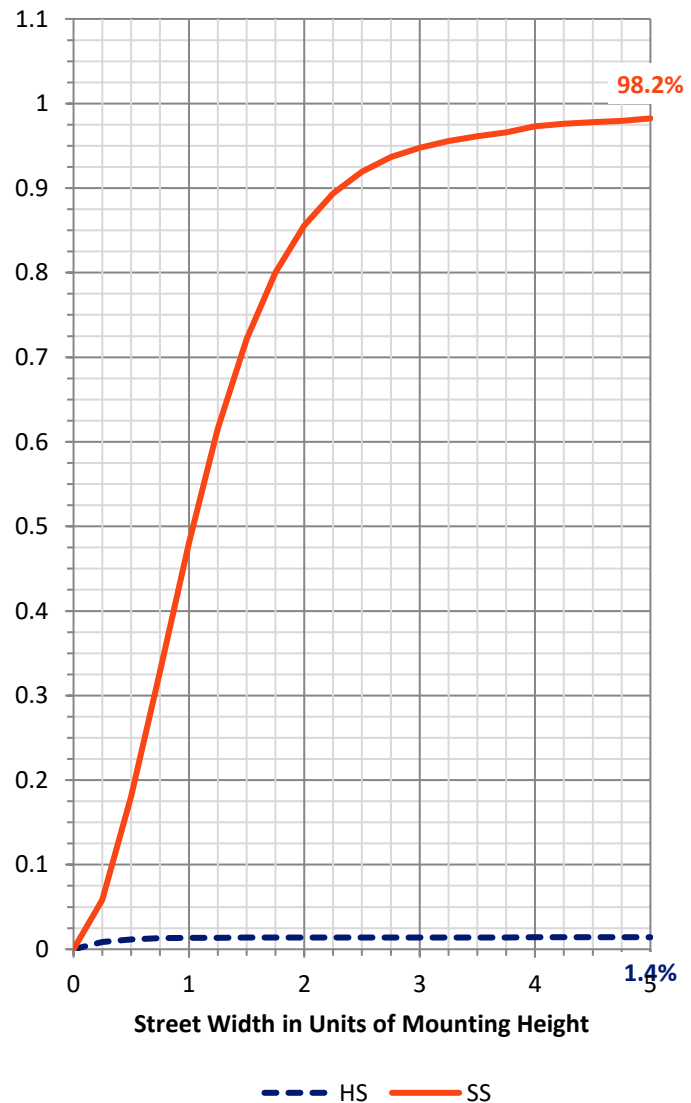
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	69.6	0.0	69.6
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	4695.7	0.0	4695.7
	% Fixture	98.5	0.0	98.5
Total	Lumens	4765.3	0.0	4765.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	37.2	0.8
20°-30°	113.8	2.4
30°-40°	302.7	6.4
40°-50°	704.2	14.8
50°-60°	1200.7	25.2
60°-70°	1585.2	33.3
70°-80°	711.3	14.9
80°-90°	103.5	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°	4765.3	100.0
0°-180°	4765.3	100.0

Coefficient of Utilization



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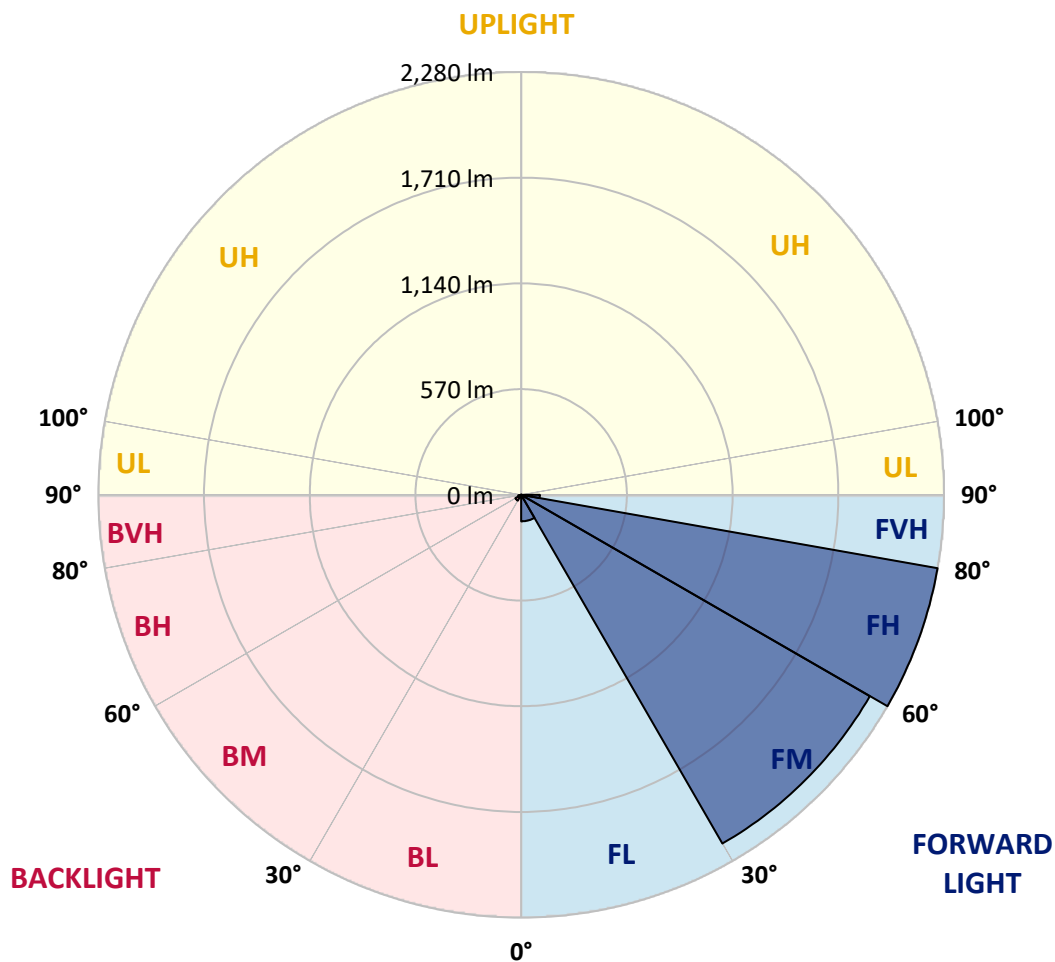
CATALOG NUMBER: UTLD-E03-LED-E-U-SL3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.0	3.0			
FM	(30°-60°)	2171.5	45.6			
FH	(60°-80°)	2280.5	47.9			G2/5000
FVH	(80°-90°)	100.7	2.1			G2/225
BL	(0°-30°)	14.6	0.3	B0/110		
BM	(30°-60°)	36.1	0.8	B0/220		
BH	(60°-80°)	16.0	0.3	B0/110		G0/110
BVH	(80°-90°)	2.8	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
2.5°	81.6	81.6	81.6	80.0	78.5	78.5	77.0	75.4	75.4	75.4	73.9
5°	110.8	106.2	103.1	98.5	95.4	95.4	92.3	90.8	89.3	87.7	84.7
7.5°	164.7	163.2	160.1	158.5	157.0	155.5	150.8	149.3	144.7	132.4	101.6
10°	209.3	201.6	201.6	190.9	184.7	178.5	172.4	169.3	169.3	158.5	150.8
12.5°	250.9	252.4	254.0	255.5	250.9	247.8	243.2	237.0	195.5	186.2	186.2
15°	334.0	330.9	326.3	303.2	269.4	263.2	250.9	252.4	274.0	260.1	221.6
17.5°	346.3	346.3	343.2	338.6	332.5	321.7	323.2	314.0	284.7	278.6	277.0
20°	446.4	446.4	440.2	424.8	389.4	338.6	349.4	337.1	338.6	332.5	315.5
22.5°	484.8	486.4	474.1	457.1	432.5	429.4	404.8	354.0	369.4	360.2	364.8
25°	614.1	611.0	594.1	558.7	526.4	451.0	415.6	423.3	401.7	389.4	446.4
27.5°	755.7	752.6	691.1	620.3	569.5	517.2	492.5	447.9	457.1	467.9	486.4
30°	832.7	825.0	794.2	740.3	678.8	611.0	526.4	514.1	503.3	512.5	640.3
32.5°	1006.6	1005.1	963.5	898.9	823.4	695.7	624.9	600.3	574.1	651.1	743.4
35°	1200.5	1194.4	1163.6	1068.2	969.7	872.7	820.4	741.9	765.0	811.1	954.3
37.5°	1352.9	1352.9	1311.4	1226.7	1182.1	1102.0	1034.3	1022.0	986.6	1054.3	1223.6
40°	1439.1	1448.3	1457.6	1428.3	1385.2	1351.4	1314.4	1289.8	1303.7	1336.0	1508.4
42.5°	1580.7	1597.6	1626.9	1613.0	1593.0	1600.7	1546.9	1560.7	1585.3	1634.6	1811.6
45°	1787.0	1800.8	1833.1	1857.8	1891.6	1873.2	1771.6	1843.9	1896.2	1928.6	2116.3
47.5°	1991.7	2017.8	2060.9	2097.9	2151.7	2133.3	2076.3	2107.1	2159.4	2193.3	2410.3
50°	2170.2	2194.8	2241.0	2296.4	2319.5	2364.1	2342.6	2358.0	2419.6	2447.3	2659.7
52.5°	2304.1	2316.4	2356.5	2419.6	2444.2	2513.4	2522.7	2521.1	2641.2	2684.3	2905.9
55°	2374.9	2387.2	2425.7	2475.0	2507.3	2601.2	2591.9	2618.1	2796.7	2878.2	3156.8
57.5°	2388.8	2404.2	2434.9	2496.5	2522.7	2633.5	2612.0	2673.5	2907.5	3075.2	3423.1
60°	2362.6	2379.5	2405.7	2464.2	2501.1	2607.3	2639.7	2724.3	3019.8	3289.2	3763.2
62.5°	2250.2	2276.4	2291.8	2354.9	2390.3	2479.6	2627.3	2784.3	3144.5	3490.8	4124.9
65°	2077.9	2091.7	2113.3	2159.4	2201.0	2290.3	2487.3	2715.1	3176.8	3617.0	4335.8
66°	1997.8	2010.1	2027.1	2068.6	2113.3	2196.4	2374.9	2599.6	3106.0	3610.9	4342.0
67.5°	1842.4	1848.5	1879.3	1911.6	1960.9	2013.2	2150.2	2373.4	2896.7	3455.4	4226.5
70°	1243.6	1263.6	1348.3	1460.7	1529.9	1522.2	1608.4	1805.4	2267.2	2809.0	3646.3
72.5°	584.9	591.0	601.8	646.4	901.9	954.3	1014.3	1183.6	1531.5	1956.3	2661.2
75°	478.7	484.8	503.3	526.4	580.3	643.4	664.9	731.1	983.5	1212.9	1626.9
77.5°	163.2	167.8	180.1	213.9	327.8	411.0	484.8	603.4	740.3	861.9	1066.6
80°	67.7	72.3	78.5	72.3	84.7	140.1	177.0	258.6	451.0	661.8	845.0
82.5°	36.9	38.5	43.1	40.0	49.3	64.6	69.3	75.4	109.3	221.6	474.1
85°	10.8	10.8	12.3	20.0	29.2	43.1	43.1	41.6	41.6	63.1	118.5
87.5°	3.1	3.1	4.6	6.2	9.2	15.4	18.5	18.5	20.0	26.2	38.5
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
2.5°	73.9	73.9	73.9	73.9	72.3	72.3	67.7	61.6	55.4	49.3	44.6
5°	83.1	78.5	77.0	77.0	72.3	72.3	70.8	66.2	50.8	43.1	38.5
7.5°	93.9	87.7	84.7	84.7	80.0	73.9	70.8	67.7	52.3	41.6	36.9
10°	147.8	123.1	106.2	101.6	95.4	87.7	83.1	83.1	61.6	49.3	44.6
12.5°	180.1	170.8	160.1	152.4	110.8	100.0	95.4	83.1	64.6	47.7	41.6
15°	206.2	192.4	180.1	177.0	175.5	133.9	115.4	104.7	75.4	61.6	50.8
17.5°	297.1	237.0	217.0	215.5	195.5	147.8	127.8	104.7	81.6	61.6	50.8
20°	314.0	290.9	258.6	264.7	267.8	234.0	183.2	143.1	107.7	81.6	61.6
22.5°	403.3	390.9	370.9	364.8	306.3	267.8	198.6	167.8	117.0	81.6	61.6
25°	461.7	454.1	480.2	475.6	441.7	372.5	272.4	200.1	146.2	93.9	69.3
27.5°	575.6	612.6	561.8	577.2	512.5	447.9	358.6	247.8	155.5	98.5	70.8
30°	654.1	706.5	740.3	731.1	648.0	521.8	398.6	280.1	169.3	98.5	73.9
32.5°	821.9	857.3	863.5	845.0	795.7	658.8	477.1	321.7	177.0	101.6	78.5
35°	977.4	1066.6	1065.1	1068.2	969.7	811.1	577.2	346.3	189.3	101.6	78.5
37.5°	1277.5	1326.8	1320.6	1319.1	1209.8	991.2	680.3	418.7	203.2	101.6	77.0
40°	1566.9	1626.9	1625.4	1608.4	1493.0	1206.7	854.2	477.1	217.0	104.7	72.3
42.5°	1847.0	1874.7	1920.9	1927.0	1730.0	1454.5	1031.2	557.2	232.4	107.7	69.3
45°	2139.4	2108.6	2196.4	2190.2	2008.6	1717.7	1182.1	651.1	257.0	104.7	64.6
47.5°	2434.9	2428.8	2504.2	2448.8	2313.4	2031.7	1397.6	751.1	272.4	100.0	60.0
50°	2696.6	2745.9	2752.0	2670.4	2601.2	2339.5	1682.3	885.0	303.2	92.3	56.9
52.5°	2925.9	3006.0	2925.9	2909.0	2905.9	2584.2	1922.4	1005.1	332.5	84.7	52.3
55°	3212.2	3270.7	3227.6	3233.8	3264.6	2999.8	2217.9	1226.7	383.3	77.0	47.7
57.5°	3578.5	3695.5	3670.9	3778.6	3784.8	3587.8	2638.1	1479.1	443.3	70.8	43.1
60°	4064.9	4352.7	4492.8	4612.9	4474.3	4228.1	3104.5	1688.5	491.0	64.6	38.5
62.5°	4623.6	5097.7	5347.0	5482.5	5100.8	4574.4	3293.8	1777.7	501.8	56.9	33.9
65°	4943.8	5536.4	5868.8	5878.0	5513.3	4679.0	3321.5	1774.6	491.0	49.3	29.2
66°	4973.0	5593.3	5921.1	5893.4	5587.1	4691.4	3303.0	1746.9	480.2	46.2	27.7
67.5°	4866.8	5487.1	5811.9	5759.5	5542.5	4622.1	3181.4	1676.1	458.7	41.6	26.2
70°	4312.7	4869.9	5199.3	5128.5	5143.9	4214.2	2670.4	1429.9	400.2	33.9	23.1
72.5°	3400.0	4026.4	4171.1	4118.8	4212.7	3116.8	1887.0	1003.5	298.6	27.7	20.0
75°	2281.0	2907.5	3007.5	2966.0	2670.4	1569.9	749.6	423.3	155.5	23.1	16.9
77.5°	1374.5	1831.6	1805.4	1810.0	1429.9	637.2	141.6	98.5	52.3	18.5	12.3
80°	1005.1	1271.3	1323.7	1356.0	1122.0	417.1	78.5	58.5	30.8	13.9	9.2
82.5°	815.8	1139.0	1266.7	1279.0	1015.8	330.9	60.0	46.2	23.1	10.8	6.2
85°	223.2	581.8	718.8	681.8	432.5	112.4	43.1	30.8	15.4	7.7	6.2
87.5°	52.3	132.4	167.8	172.4	123.1	41.6	36.9	29.2	10.8	6.2	6.2
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°	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
2.5°	43.1	41.6	40.0	38.5	38.5	36.9	36.9	36.9	35.4	36.9	36.9
5°	36.9	35.4	33.9	32.3	30.8	30.8	30.8	32.3	33.9	33.9	33.9
7.5°	35.4	32.3	30.8	30.8	30.8	21.5	15.4	13.9	13.9	13.9	15.4
10°	36.9	32.3	33.9	18.5	12.3	12.3	12.3	12.3	12.3	16.9	20.0
12.5°	38.5	35.4	20.0	18.5	16.9	15.4	18.5	16.9	16.9	18.5	18.5
15°	44.6	27.7	21.5	18.5	21.5	23.1	21.5	20.0	16.9	16.9	20.0
17.5°	36.9	27.7	24.6	27.7	27.7	23.1	20.0	23.1	23.1	21.5	20.0
20°	44.6	38.5	33.9	29.2	26.2	24.6	26.2	23.1	21.5	21.5	23.1
22.5°	47.7	41.6	43.1	38.5	35.4	27.7	26.2	23.1	24.6	23.1	23.1
25°	58.5	58.5	50.8	40.0	36.9	32.3	30.8	24.6	24.6	21.5	23.1
27.5°	63.1	56.9	50.8	46.2	41.6	32.3	30.8	26.2	23.1	23.1	20.0
30°	66.2	58.5	52.3	46.2	40.0	35.4	30.8	26.2	23.1	21.5	21.5
32.5°	70.8	61.6	50.8	43.1	38.5	32.3	30.8	24.6	21.5	18.5	18.5
35°	66.2	56.9	49.3	43.1	35.4	30.8	27.7	23.1	18.5	18.5	16.9
37.5°	61.6	52.3	44.6	40.0	33.9	27.7	24.6	20.0	16.9	15.4	15.4
40°	58.5	49.3	41.6	35.4	29.2	24.6	21.5	16.9	13.9	12.3	12.3
42.5°	53.9	44.6	36.9	30.8	26.2	21.5	18.5	13.9	10.8	9.2	9.2
45°	50.8	41.6	33.9	27.7	21.5	18.5	13.9	10.8	7.7	6.2	6.2
47.5°	47.7	38.5	29.2	23.1	18.5	15.4	10.8	7.7	4.6	4.6	3.1
50°	43.1	33.9	26.2	20.0	15.4	12.3	7.7	4.6	3.1	1.5	1.5
52.5°	40.0	29.2	23.1	16.9	12.3	9.2	6.2	3.1	1.5	1.5	1.5
55°	35.4	26.2	20.0	13.9	10.8	6.2	3.1	1.5	1.5	1.5	1.5
57.5°	30.8	21.5	16.9	12.3	7.7	4.6	3.1	1.5	1.5	1.5	0.0
60°	26.2	18.5	13.9	9.2	6.2	3.1	1.5	1.5	1.5	1.5	0.0
62.5°	23.1	15.4	10.8	7.7	4.6	3.1	1.5	1.5	1.5	1.5	0.0
65°	20.0	12.3	9.2	6.2	3.1	3.1	1.5	1.5	1.5	1.5	0.0
66°	18.5	12.3	7.7	4.6	3.1	3.1	1.5	1.5	1.5	1.5	0.0
67.5°	16.9	10.8	7.7	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
70°	15.4	9.2	6.2	4.6	3.1	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	13.9	7.7	4.6	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5
75°	9.2	4.6	4.6	3.1	3.1	3.1	1.5	3.1	3.1	3.1	3.1
77.5°	6.2	4.6	3.1	3.1	3.1	3.1	1.5	3.1	3.1	3.1	3.1
80°	6.2	4.6	4.6	4.6	4.6	4.6	1.5	4.6	4.6	4.6	3.1
82.5°	4.6	4.6	4.6	4.6	6.2	6.2	1.5	6.2	6.2	4.6	4.6
85°	4.6	4.6	4.6	6.2	6.2	7.7	1.5	6.2	6.2	6.2	6.2
87.5°	4.6	6.2	6.2	6.2	7.7	7.7	3.1	7.7	7.7	7.7	6.2
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°	56.9	56.9	56.9	56.9	56.9
2.5°	36.9	38.5	38.5	40.0	40.0
5°	30.8	30.8	27.7	27.7	26.2
7.5°	15.4	15.4	16.9	16.9	16.9
10°	21.5	23.1	23.1	23.1	24.6
12.5°	18.5	20.0	21.5	21.5	21.5
15°	21.5	23.1	24.6	24.6	24.6
17.5°	20.0	20.0	21.5	21.5	23.1
20°	23.1	23.1	23.1	23.1	23.1
22.5°	20.0	20.0	23.1	24.6	24.6
25°	23.1	21.5	21.5	23.1	21.5
27.5°	20.0	21.5	23.1	23.1	23.1
30°	20.0	20.0	20.0	20.0	21.5
32.5°	20.0	20.0	20.0	20.0	20.0
35°	16.9	18.5	18.5	20.0	20.0
37.5°	15.4	15.4	16.9	16.9	16.9
40°	12.3	12.3	12.3	13.9	13.9
42.5°	9.2	9.2	9.2	10.8	9.2
45°	6.2	6.2	6.2	6.2	6.2
47.5°	3.1	3.1	4.6	4.6	4.6
50°	1.5	1.5	3.1	3.1	3.1
52.5°	1.5	1.5	1.5	3.1	3.1
55°	1.5	1.5	1.5	1.5	3.1
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
66°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	3.1
72.5°	1.5	1.5	3.1	1.5	3.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.1
80°	3.1	4.6	4.6	3.1	3.1
82.5°	4.6	4.6	4.6	4.6	3.1
85°	4.6	4.6	6.2	6.2	3.1
87.5°	6.2	6.2	6.2	6.2	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)