

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: P157151

Luminaire Tested: **UTLD-E01-LED-E-U-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157151
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
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-T3-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2765.9 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - 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



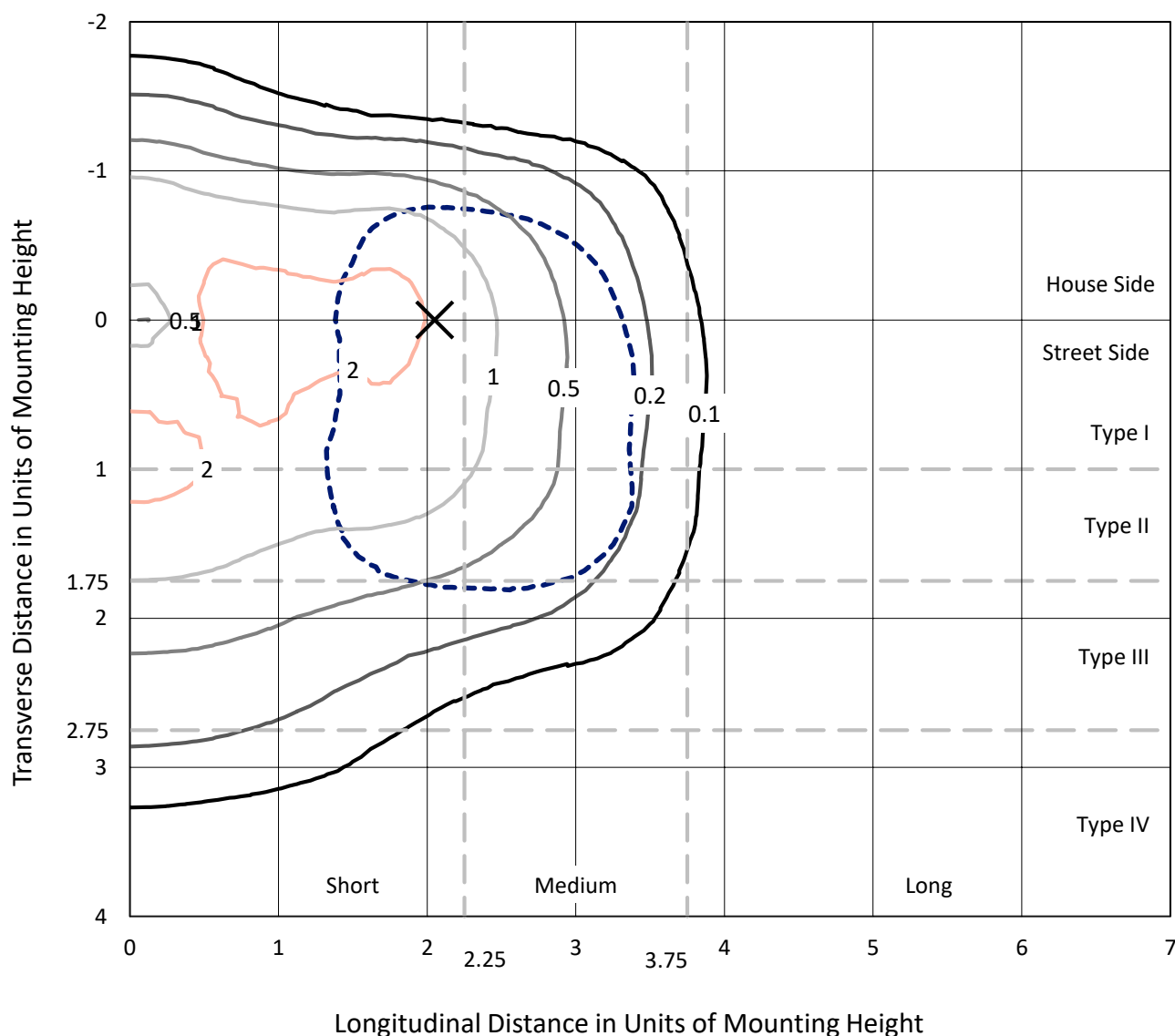
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

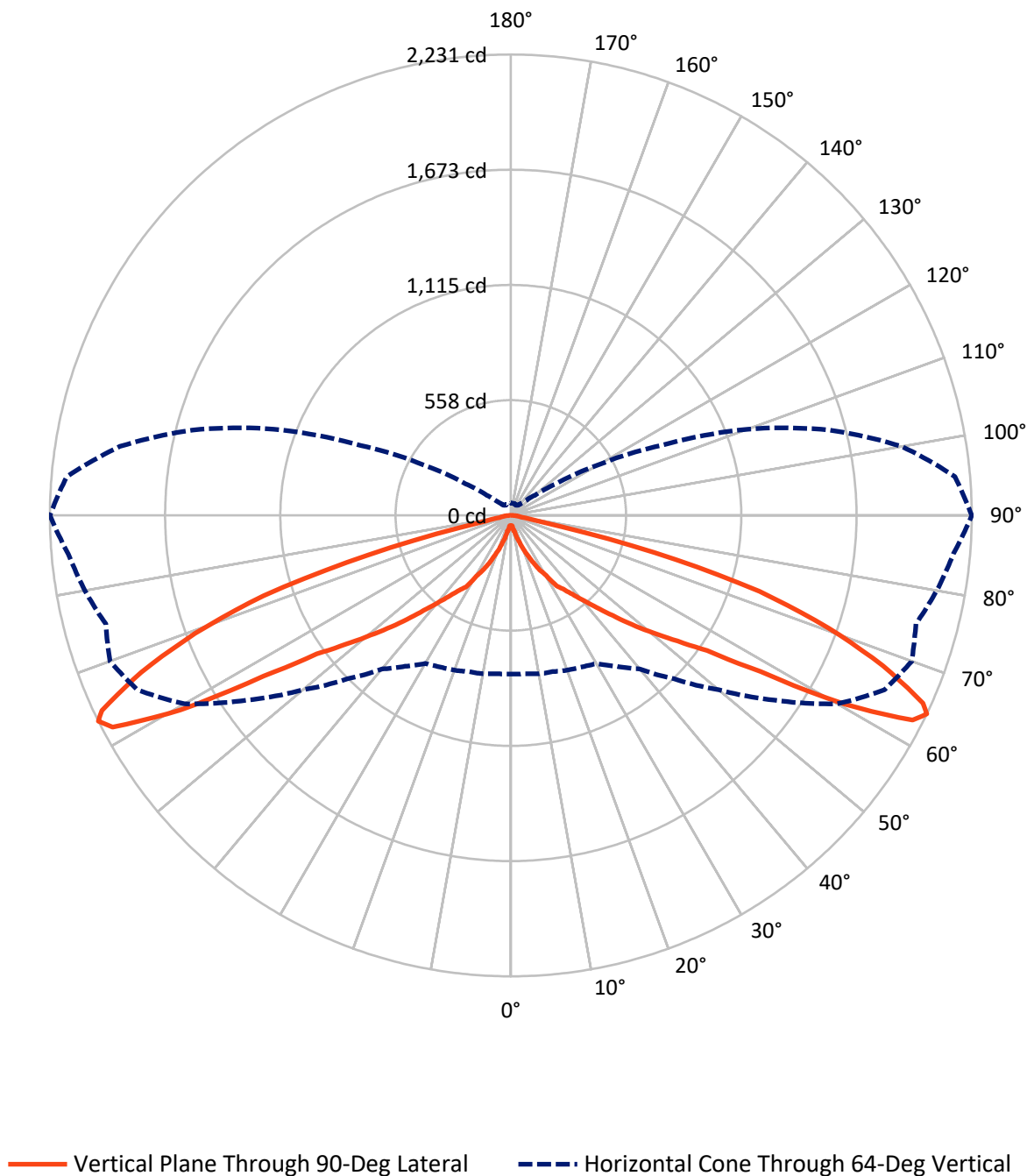


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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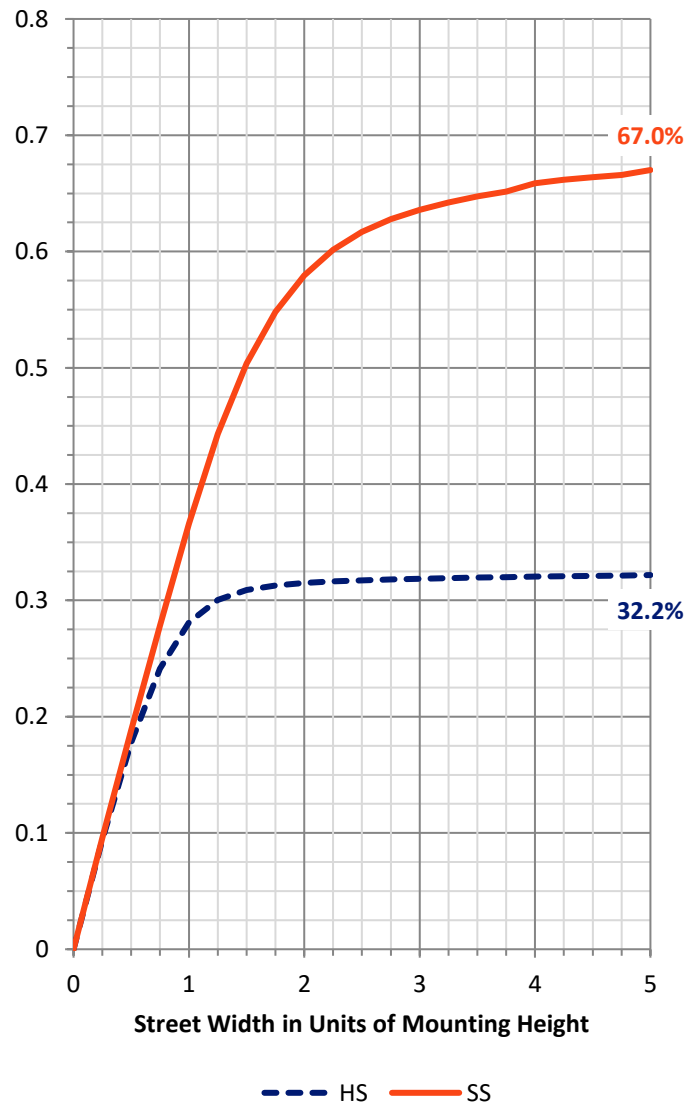
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	898.9	0.0	898.9
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1867.0	0.0	1867.0
	% Fixture	67.5	0.0	67.5
Total	Lumens	2765.9	0.0	2765.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.2
10°-20°	36.3	1.3
20°-30°	107.1	3.9
30°-40°	226.3	8.2
40°-50°	396.8	14.3
50°-60°	631.8	22.8
60°-70°	886.1	32.0
70°-80°	401.3	14.5
80°-90°	73.3	2.6
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°	2765.9	100.0
0°-180°	2765.9	100.0

Coefficient of Utilization



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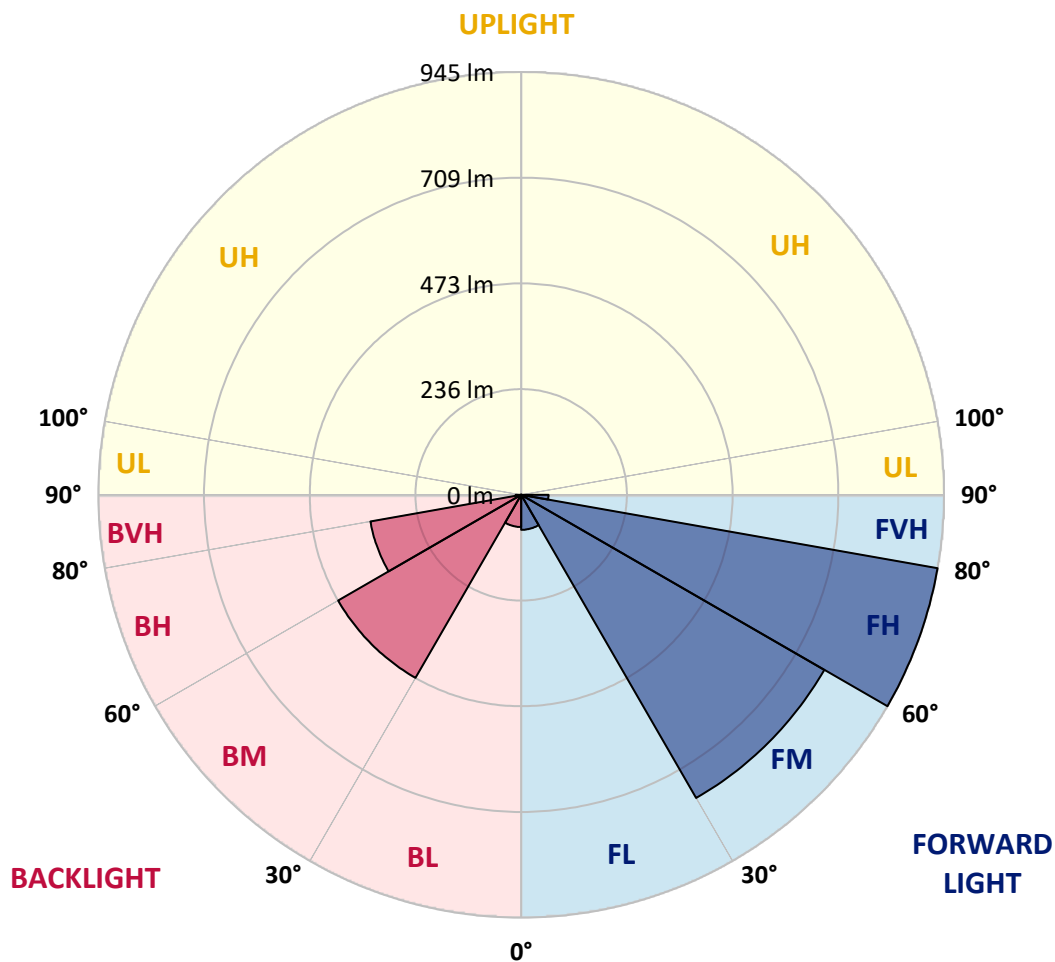
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	78.3	2.8			
FM	(30°-60°)	782.5	28.3			
FH	(60°-80°)	945.2	34.2			G1/1800
FVH	(80°-90°)	61.1	2.2			G1/100
BL	(0°-30°)	71.9	2.6	B0/110		
BM	(30°-60°)	472.4	17.1	B1/1000		
BH	(60°-80°)	342.2	12.4	B1/500		G1/500
BVH	(80°-90°)	12.2	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
2.5°	80.0	81.1	80.5	81.1	81.6	81.1	81.1	80.5	81.1	81.6	81.6
5°	65.2	65.7	65.7	65.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7
7.5°	97.5	98.0	98.5	97.5	97.5	98.0	97.0	83.1	67.2	66.2	65.2
10°	97.5	98.0	98.0	97.0	97.5	98.0	98.0	97.5	94.4	93.9	93.9
12.5°	125.2	125.7	126.2	126.2	126.2	122.6	118.0	99.0	96.5	121.6	123.6
15°	126.7	126.7	126.7	124.7	124.7	122.6	124.2	146.7	145.2	127.8	125.7
17.5°	156.0	156.0	156.0	155.5	151.9	151.9	152.9	147.8	148.3	148.8	175.5
20°	189.8	190.9	177.0	162.1	156.5	174.4	175.0	171.9	188.8	168.3	177.0
22.5°	198.6	198.6	198.0	193.4	194.4	206.8	199.1	192.4	196.5	185.7	200.6
25°	236.0	236.0	232.9	228.8	222.7	217.0	223.2	222.2	212.9	211.9	236.5
27.5°	252.9	245.8	244.2	239.1	252.9	249.9	255.0	231.9	251.4	246.8	260.1
30°	290.4	289.9	284.7	289.4	289.4	277.6	268.3	279.1	283.2	274.5	304.8
32.5°	343.7	343.2	337.1	333.5	308.3	305.8	311.4	313.0	312.4	315.0	324.2
35°	401.7	401.2	367.3	360.7	351.4	349.4	348.9	340.7	350.4	338.1	362.7
37.5°	440.2	444.3	424.8	420.2	408.4	395.1	384.3	389.4	377.6	376.1	394.0
40°	517.2	518.7	501.3	486.9	476.6	446.4	435.6	432.5	428.4	423.3	447.4
42.5°	589.5	587.4	572.1	560.8	547.9	518.7	487.4	483.8	482.8	478.2	499.2
45°	659.8	661.3	643.4	638.2	617.7	599.2	556.1	556.7	553.6	548.5	567.4
47.5°	723.9	727.5	717.8	701.9	685.4	670.6	637.7	635.7	628.5	630.0	652.6
50°	777.8	784.5	775.2	763.4	748.5	738.3	719.3	714.7	710.6	714.7	739.3
52.5°	814.7	820.4	824.0	809.1	809.1	795.7	789.6	785.0	786.5	798.8	828.1
55°	833.2	838.3	846.0	835.8	858.3	838.8	833.2	839.9	850.1	872.2	913.7
57.5°	833.2	836.3	846.0	848.1	861.4	847.6	857.8	872.2	894.3	932.7	991.2
60°	815.8	818.3	830.1	831.7	844.0	840.9	849.6	890.7	923.0	986.6	1080.5
62.5°	788.0	789.6	800.9	804.0	816.8	822.9	836.3	895.8	953.3	1064.1	1214.9
64°	768.0	769.1	778.3	782.9	797.3	809.1	827.6	891.7	970.2	1118.5	1313.4
65°	754.2	754.2	765.5	767.5	781.9	797.3	817.3	881.9	971.2	1139.0	1356.0
67.5°	699.8	697.2	708.5	713.7	719.3	731.6	743.9	811.1	910.7	1106.7	1344.7
70°	608.0	601.8	607.5	603.4	600.3	594.6	588.5	635.2	706.0	903.0	1139.0
72.5°	426.3	426.3	421.7	431.5	438.7	445.8	421.2	426.9	465.3	592.6	802.9
75°	286.3	289.4	297.6	321.2	344.3	365.3	373.5	374.0	341.7	351.4	487.4
77.5°	169.8	176.5	182.6	210.4	240.1	284.2	323.2	361.2	369.9	364.8	353.0
80°	76.4	78.5	87.2	98.0	116.5	146.7	203.7	264.2	333.0	367.3	360.2
82.5°	26.2	28.7	34.4	41.0	48.7	62.1	92.3	124.7	190.3	269.9	335.5
85°	8.7	9.7	13.3	18.5	20.5	23.6	31.3	46.2	75.4	106.2	202.1
87.5°	3.6	4.6	6.2	9.2	10.3	10.3	10.8	13.9	13.9	13.9	55.4
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°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
2.5°	67.2	62.1	54.9	53.4	51.3	50.8	50.3	50.3	49.8	50.3	50.3
5°	71.8	75.9	79.0	77.0	56.9	54.4	50.3	49.8	50.3	50.3	52.8
7.5°	65.2	65.2	62.1	71.3	71.8	53.4	49.3	50.3	50.8	51.3	59.5
10°	70.3	89.3	88.8	90.3	103.1	101.1	75.4	73.9	74.4	78.0	103.1
12.5°	125.2	115.9	91.3	95.4	94.4	104.7	80.5	77.5	79.5	99.0	96.5
15°	125.7	144.2	147.2	129.8	123.1	130.3	117.5	111.8	108.3	128.8	110.8
17.5°	149.3	147.8	150.8	139.0	131.3	129.3	141.6	138.5	132.9	123.6	114.9
20°	165.2	176.5	180.1	203.2	189.3	183.7	187.8	177.0	170.8	173.4	172.9
22.5°	202.7	218.6	206.8	211.4	215.5	229.8	224.7	208.3	212.4	213.4	206.8
25°	214.5	240.6	257.6	266.3	269.4	260.1	272.9	254.0	260.1	251.4	257.6
27.5°	265.8	267.3	280.6	277.6	298.6	309.4	308.9	298.6	301.2	306.3	313.0
30°	280.6	286.3	313.0	322.2	334.0	342.2	332.5	336.6	328.9	339.6	341.2
32.5°	327.3	322.2	331.9	370.9	398.1	412.0	398.1	406.3	397.6	401.2	383.3
35°	355.0	379.1	385.8	404.3	424.8	444.3	440.2	438.7	437.6	444.8	407.4
37.5°	412.0	417.1	420.7	444.3	462.8	488.4	489.5	483.8	493.6	473.0	440.7
40°	449.4	457.6	462.3	478.2	515.6	536.1	551.5	540.2	554.1	513.1	490.0
42.5°	505.4	501.8	510.0	534.6	580.8	593.1	614.6	607.5	628.5	584.4	538.7
45°	578.7	575.6	577.2	593.1	655.7	664.4	686.0	691.6	701.9	647.0	600.3
47.5°	661.3	662.9	662.9	678.8	730.1	747.5	772.1	789.1	785.5	713.7	667.0
50°	754.2	761.4	750.6	772.7	811.1	842.4	856.3	892.7	879.4	806.5	754.7
52.5°	856.8	868.6	858.9	877.3	913.7	953.3	976.3	1010.7	987.6	926.6	835.2
55°	958.4	978.9	990.2	1010.2	1056.9	1094.3	1104.6	1153.3	1121.0	1061.0	923.5
57.5°	1065.1	1108.7	1149.2	1176.4	1254.9	1298.5	1320.6	1426.3	1386.8	1323.2	1110.8
60°	1203.1	1335.5	1445.8	1506.8	1610.5	1655.1	1743.4	1855.2	1827.0	1733.1	1446.3
62.5°	1429.4	1664.9	1833.1	1911.6	1936.3	1994.2	2076.8	2182.5	2138.9	1922.4	1622.8
64°	1558.7	1824.4	1995.3	2064.5	2029.6	2093.3	2149.7	2230.8	2157.4	1920.9	1595.6
65°	1613.6	1883.9	2047.6	2113.3	2043.0	2095.3	2142.0	2192.8	2101.0	1870.6	1528.9
67.5°	1627.4	1888.0	2034.3	2073.2	1956.8	1941.4	1949.1	1944.0	1820.8	1610.5	1305.7
70°	1419.1	1669.0	1873.7	1923.4	1767.5	1684.9	1680.8	1631.5	1506.3	1340.6	1075.4
72.5°	1095.9	1313.9	1516.6	1583.8	1436.5	1371.4	1356.0	1259.0	1154.9	1001.5	810.1
75°	742.4	918.9	977.9	982.0	864.0	829.1	806.5	718.8	628.5	562.8	475.1
77.5°	436.1	508.9	455.1	400.7	314.0	222.7	165.7	138.0	150.8	150.3	141.6
80°	368.9	346.3	280.1	217.0	156.0	88.2	64.1	54.4	55.4	56.4	55.4
82.5°	396.6	422.2	358.1	254.5	190.9	112.4	54.4	39.0	44.6	49.3	47.2
85°	336.0	412.0	383.8	275.0	204.7	118.0	38.5	25.7	32.8	40.5	43.1
87.5°	130.3	190.3	154.4	106.2	71.3	39.5	22.6	18.5	23.1	32.3	35.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
2.5°	50.8	52.3	54.9	54.9	53.4	54.9	62.1	70.8	75.9	80.0	84.7
5°	52.8	69.3	80.5	82.1	80.0	58.0	53.9	53.9	55.9	58.0	53.4
7.5°	73.9	70.3	49.3	52.3	52.8	53.4	52.8	54.4	54.9	72.9	83.1
10°	84.1	76.4	74.4	62.1	58.0	81.1	81.1	81.6	84.7	85.2	84.7
12.5°	82.1	78.5	79.0	105.2	113.4	108.3	87.7	81.1	84.7	97.0	108.8
15°	109.8	117.0	124.2	108.8	113.9	110.3	129.8	134.9	111.3	109.8	113.4
17.5°	117.0	141.1	142.1	136.0	153.4	137.0	133.4	134.9	132.9	123.1	139.0
20°	192.9	179.6	167.3	153.4	166.2	161.1	158.0	159.6	158.0	158.5	140.1
22.5°	204.7	199.1	209.8	204.2	192.4	179.6	184.7	181.6	164.7	182.6	168.8
25°	266.3	262.2	239.1	212.9	230.9	204.2	191.9	204.2	201.1	187.3	187.3
27.5°	280.1	279.1	275.0	279.6	245.8	231.4	246.3	210.9	212.9	217.5	216.5
30°	324.2	323.7	289.4	293.5	291.4	266.3	256.5	260.1	236.0	231.9	241.1
32.5°	371.5	340.7	331.4	334.5	310.4	294.0	288.8	268.8	259.6	255.0	240.1
35°	392.0	390.9	382.7	353.5	344.3	313.5	308.9	285.8	277.0	274.0	266.3
37.5°	419.2	418.1	409.4	394.0	372.0	335.5	319.6	304.2	284.7	272.4	282.2
40°	455.6	447.9	439.2	414.0	383.8	350.9	328.4	301.7	289.4	277.6	291.4
42.5°	520.2	485.9	464.3	432.5	392.0	352.5	327.3	301.7	278.1	274.5	276.5
45°	577.2	522.3	485.3	444.3	395.6	349.4	317.6	288.3	271.9	258.1	257.6
47.5°	627.0	563.8	504.8	453.5	393.5	341.2	303.2	271.9	251.4	238.1	231.9
50°	673.6	607.5	524.9	456.6	384.8	325.3	282.7	249.3	223.7	208.8	207.3
52.5°	720.3	638.2	541.8	452.0	367.9	301.2	252.9	217.5	189.8	177.5	175.0
55°	786.5	655.7	550.5	435.6	341.2	268.3	217.5	180.1	152.4	146.2	142.6
57.5°	925.5	712.6	559.2	409.9	301.7	225.7	176.0	143.7	123.1	117.0	113.9
60°	1149.2	821.4	579.2	370.9	247.8	178.0	134.4	107.7	93.9	90.3	88.8
62.5°	1254.4	850.1	548.5	311.9	189.8	126.7	94.4	75.9	68.7	67.7	68.7
64°	1221.1	801.4	488.9	266.3	151.4	98.0	72.9	60.5	56.4	55.9	58.0
65°	1162.1	746.0	443.8	235.0	125.7	81.1	61.1	52.3	49.3	50.3	51.8
67.5°	959.9	576.7	300.6	140.6	72.9	49.8	41.6	37.5	38.0	39.0	41.0
70°	749.6	386.3	163.7	72.9	43.6	33.9	31.3	29.8	30.8	32.3	34.4
72.5°	514.1	216.0	78.0	41.6	32.3	27.2	26.7	26.2	27.2	28.7	30.8
75°	269.4	90.3	44.1	32.8	28.2	24.6	25.1	24.6	25.7	27.2	28.7
77.5°	85.2	48.7	36.9	30.3	26.7	23.1	23.6	24.1	25.1	26.2	27.2
80°	46.2	40.5	33.3	28.2	25.1	21.5	22.6	23.1	24.6	25.1	25.1
82.5°	42.1	35.4	29.2	25.7	24.1	21.0	23.1	23.1	23.1	23.1	23.1
85°	36.9	28.7	24.1	22.6	22.6	20.0	21.5	21.5	20.5	20.5	19.5
87.5°	28.7	21.0	20.5	22.6	21.0	14.4	18.5	17.4	15.9	15.9	15.4
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):

	165°	170°	175°	180°
0°	50.8	50.8	50.8	50.8
2.5°	84.1	84.7	82.6	82.6
5°	52.8	53.4	52.8	52.8
7.5°	86.2	85.2	88.2	85.2
10°	86.7	84.1	83.6	84.1
12.5°	112.9	112.9	113.4	113.4
15°	112.9	112.4	113.4	112.9
17.5°	141.6	142.6	143.1	142.6
20°	143.1	143.7	147.8	144.7
22.5°	169.8	172.9	172.9	172.4
25°	177.0	199.6	204.2	203.7
27.5°	203.2	205.7	206.2	205.7
30°	231.4	232.4	235.0	234.0
32.5°	243.7	260.1	263.2	262.2
35°	264.2	259.6	270.4	281.2
37.5°	276.5	275.0	277.6	277.0
40°	287.8	290.4	293.5	290.9
42.5°	277.0	275.5	277.0	276.0
45°	255.0	255.5	254.5	253.4
47.5°	227.3	227.3	226.3	226.3
50°	198.0	199.1	195.0	195.5
52.5°	167.3	168.3	165.2	162.1
55°	138.5	139.0	134.9	133.9
57.5°	111.8	113.4	109.8	108.3
60°	88.8	89.3	88.2	88.2
62.5°	70.3	69.3	68.2	68.7
64°	59.5	60.0	58.5	59.5
65°	53.4	54.4	53.4	54.4
67.5°	42.6	44.1	43.6	44.1
70°	36.4	36.9	36.4	36.4
72.5°	32.3	32.8	31.8	31.3
75°	30.3	29.8	29.2	28.7
77.5°	27.7	27.7	26.7	26.2
80°	24.6	24.1	23.1	22.1
82.5°	22.6	21.5	19.0	17.4
85°	19.0	17.4	14.4	11.3
87.5°	15.4	13.9	8.7	4.6
90°	0.0	0.0	0.0	0.0

(END OF REPORT)