

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: P157149

Luminaire Tested: **UTLD-E01-LED-E-U-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157149
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-T3-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2461.9 lumens
Efficiency: N/A
Efficacy: 99.7 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

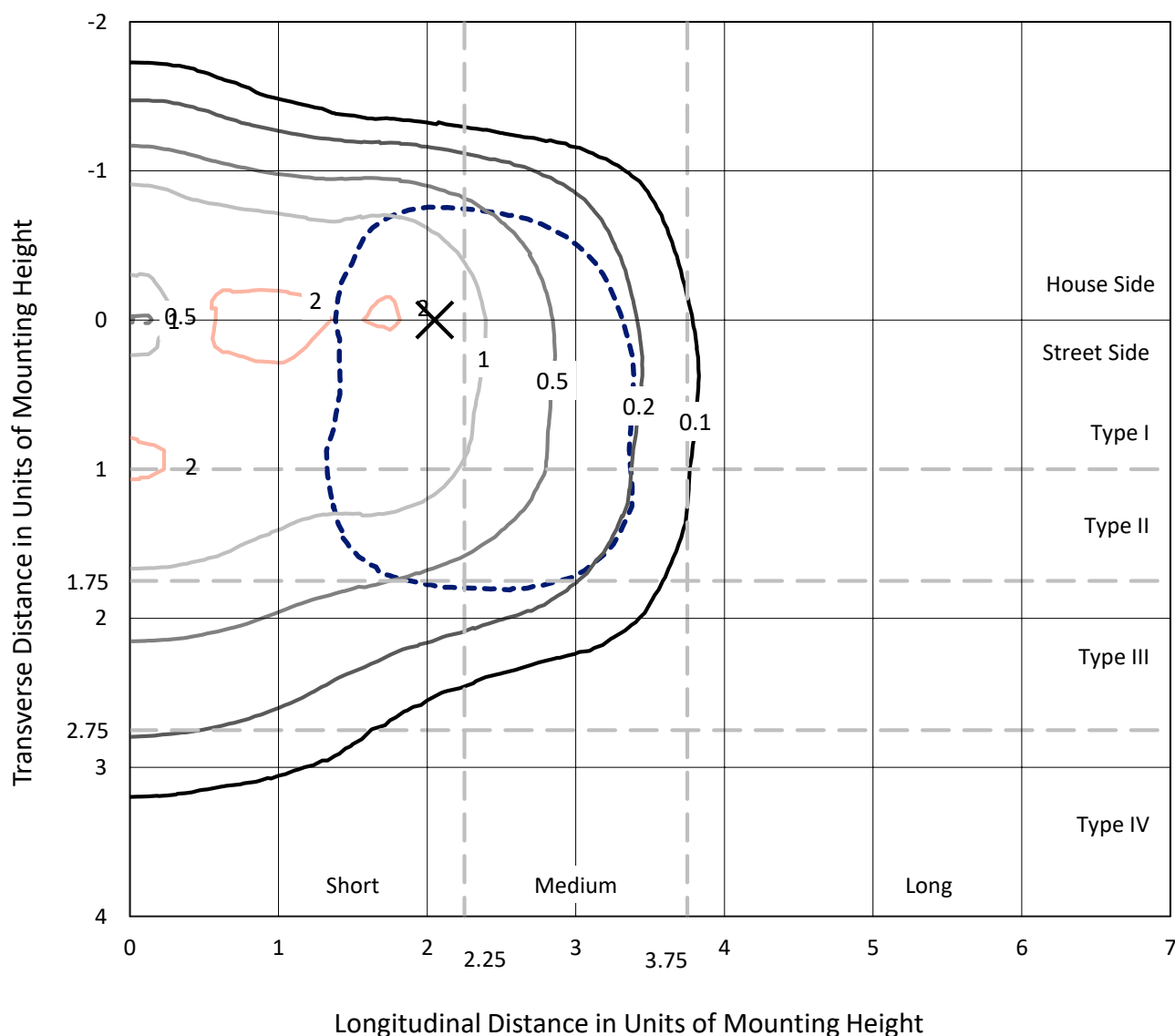


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

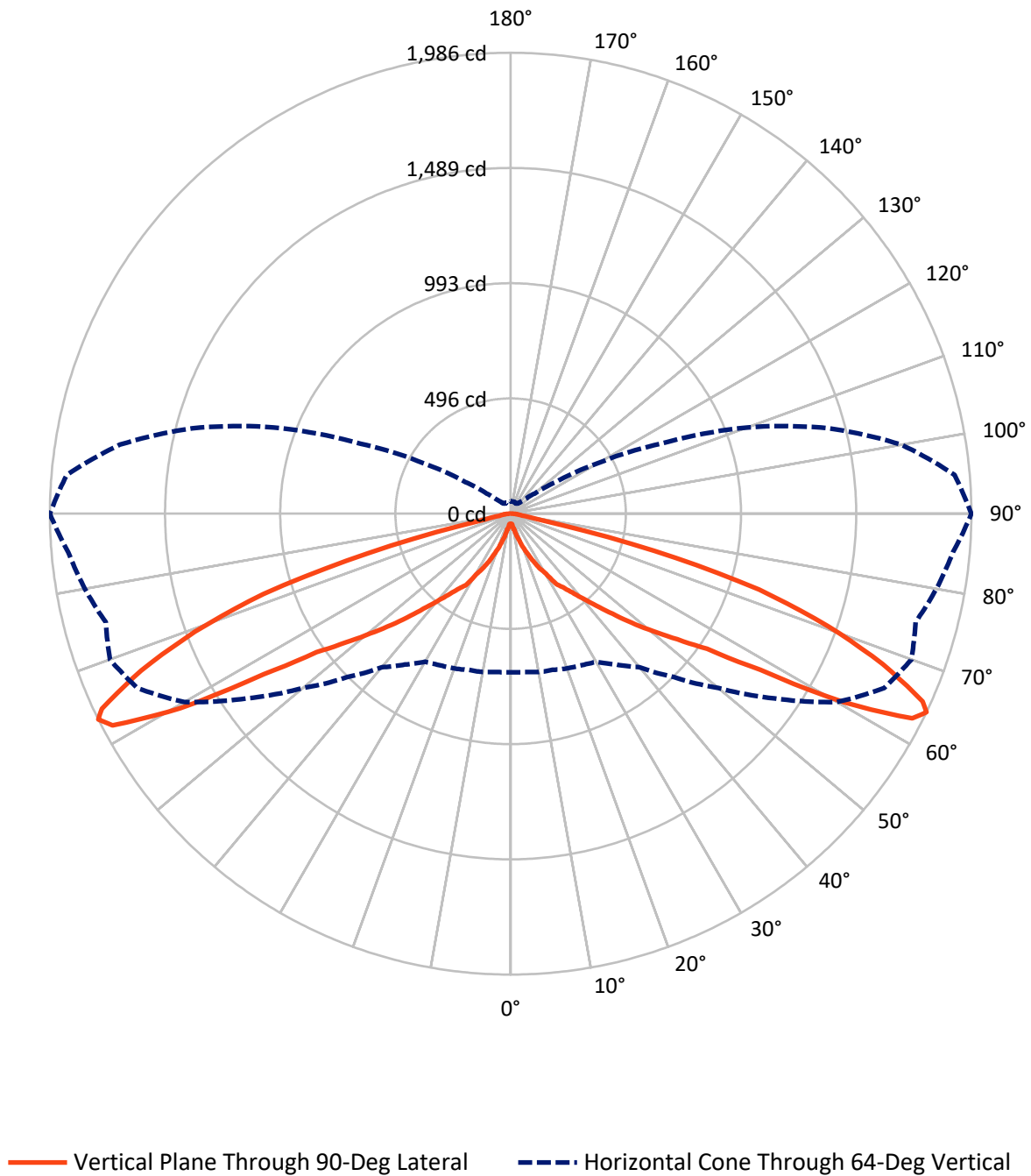


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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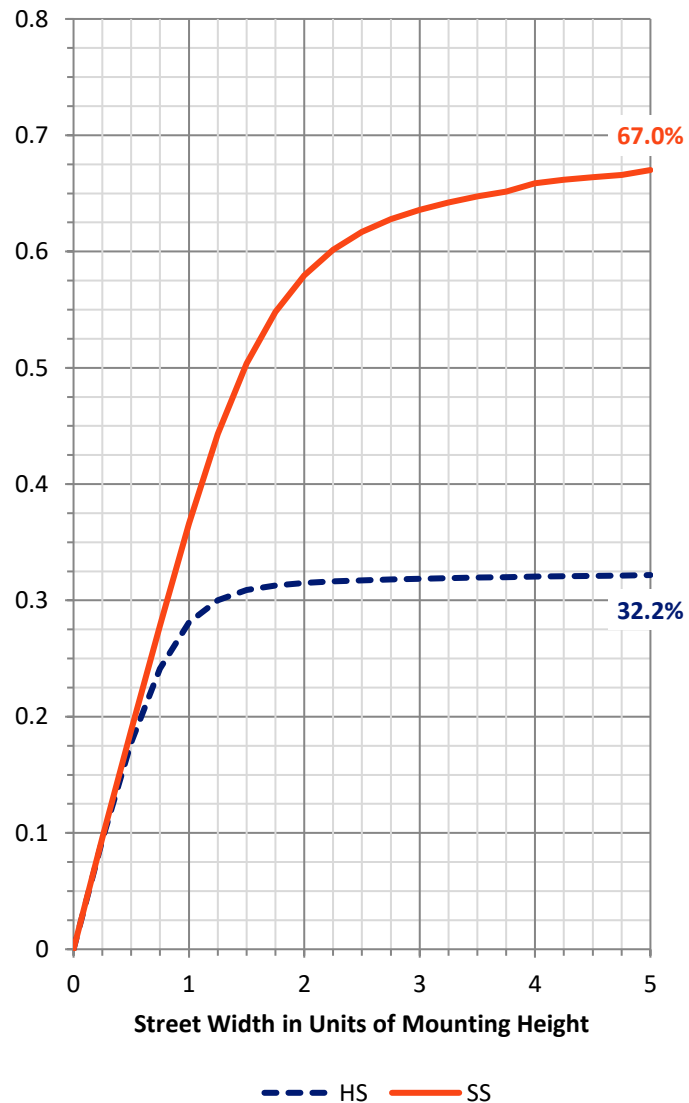
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	800.1	0.0	800.1
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1661.8	0.0	1661.8
	% Fixture	67.5	0.0	67.5
Total	Lumens	2461.9	0.0	2461.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.2
10°-20°	32.3	1.3
20°-30°	95.3	3.9
30°-40°	201.5	8.2
40°-50°	353.2	14.3
50°-60°	562.4	22.8
60°-70°	788.7	32.0
70°-80°	357.2	14.5
80°-90°	65.2	2.7
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°	2461.9	100.0
0°-180°	2461.9	100.0

Coefficient of Utilization



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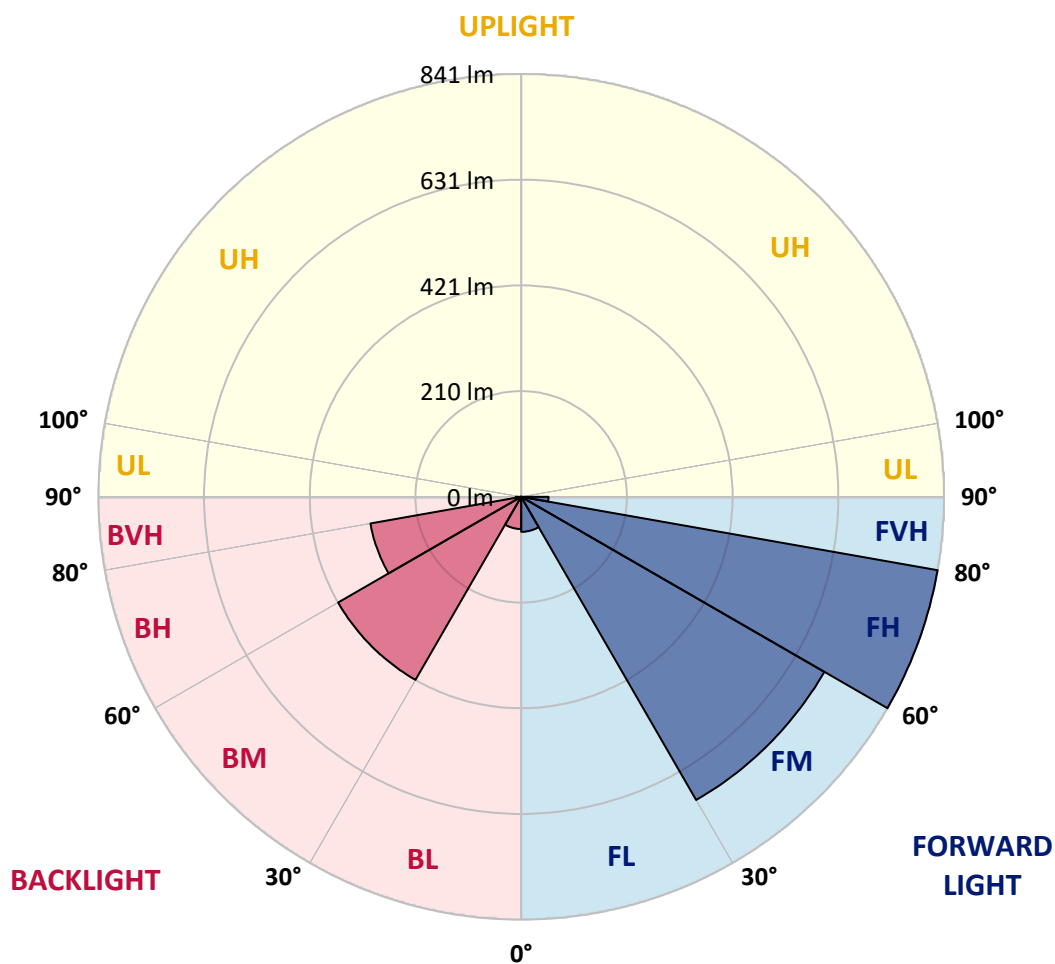
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.7	2.8			
FM	(30°-60°)	696.5	28.3			
FH	(60°-80°)	841.3	34.2			G1/1800
FVH	(80°-90°)	54.3	2.2			G1/100
BL	(0°-30°)	64.0	2.6	B0/110		
BM	(30°-60°)	420.5	17.1	B1/1000		
BH	(60°-80°)	304.6	12.4	B1/500		G1/500
BVH	(80°-90°)	10.9	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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2.5°	71.2	72.2	71.7	72.2	72.6	72.2	72.2	71.7	72.2	72.6	72.6
5°	58.0	58.5	58.5	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5
7.5°	86.8	87.2	87.7	86.8	86.8	87.2	86.3	74.0	59.8	58.9	58.0
10°	86.8	87.2	87.2	86.3	86.8	87.2	87.2	86.8	84.0	83.6	83.6
12.5°	111.4	111.9	112.3	112.3	112.3	109.1	105.0	88.1	85.9	108.2	110.1
15°	112.8	112.8	112.8	111.0	111.0	109.1	110.5	130.6	129.2	113.7	111.9
17.5°	138.8	138.8	138.8	138.4	135.2	135.2	136.1	131.5	132.0	132.4	156.2
20°	169.0	169.9	157.6	144.3	139.3	155.3	155.7	153.0	168.1	149.8	157.6
22.5°	176.7	176.7	176.3	172.2	173.1	184.0	177.2	171.3	174.9	165.3	178.6
25°	210.1	210.1	207.3	203.7	198.2	193.2	198.7	197.7	189.5	188.6	210.5
27.5°	225.1	218.7	217.4	212.8	225.1	222.4	227.0	206.4	223.8	219.7	231.5
30°	258.5	258.0	253.5	257.6	257.6	247.1	238.8	248.4	252.1	244.3	271.3
32.5°	306.0	305.5	300.0	296.8	274.5	272.2	277.2	278.6	278.1	280.4	288.6
35°	357.6	357.1	327.0	321.0	312.8	311.0	310.5	303.2	311.9	300.9	322.9
37.5°	391.8	395.5	378.1	374.0	363.5	351.6	342.0	346.6	336.1	334.7	350.7
40°	460.3	461.7	446.2	433.4	424.3	397.3	387.7	385.0	381.3	376.8	398.2
42.5°	524.7	522.9	509.2	499.1	487.7	461.7	433.8	430.6	429.7	425.6	444.3
45°	587.3	588.7	572.7	568.1	549.8	533.4	495.0	495.5	492.8	488.2	505.1
47.5°	644.4	647.6	638.9	624.7	610.1	596.9	567.6	565.8	559.4	560.8	580.9
50°	692.3	698.3	690.0	679.5	666.3	657.2	640.3	636.1	632.5	636.1	658.1
52.5°	725.2	730.2	733.4	720.2	720.2	708.3	702.8	698.7	700.1	711.0	737.1
55°	741.6	746.2	753.1	743.9	764.0	746.7	741.6	747.6	756.7	776.3	813.3
57.5°	741.6	744.4	753.1	754.9	766.8	754.4	763.6	776.3	796.0	830.2	882.3
60°	726.1	728.4	738.9	740.3	751.2	748.5	756.3	792.8	821.6	878.2	961.8
62.5°	701.5	702.8	712.9	715.6	727.0	732.5	744.4	797.4	848.5	947.1	1081.4
64°	683.6	684.6	692.8	696.9	709.7	720.2	736.6	793.7	863.6	995.6	1169.1
65°	671.3	671.3	681.4	683.2	696.0	709.7	727.5	785.0	864.5	1013.8	1207.0
67.5°	622.9	620.6	630.7	635.2	640.3	651.2	662.2	722.0	810.6	985.0	1196.9
70°	541.2	535.7	540.7	537.0	534.3	529.3	523.8	565.4	628.4	803.7	1013.8
72.5°	379.5	379.5	375.4	384.1	390.5	396.9	374.9	380.0	414.2	527.5	714.7
75°	254.8	257.6	264.9	285.9	306.4	325.2	332.5	332.9	304.1	312.8	433.8
77.5°	151.2	157.1	162.6	187.2	213.7	253.0	287.7	321.5	329.3	324.7	314.2
80°	68.0	69.9	77.6	87.2	103.7	130.6	181.3	235.2	296.4	327.0	320.6
82.5°	23.3	25.6	30.6	36.5	43.4	55.3	82.2	111.0	169.4	240.2	298.7
85°	7.8	8.7	11.9	16.4	18.3	21.0	27.9	41.1	67.1	94.5	179.9
87.5°	3.2	4.1	5.5	8.2	9.1	9.1	9.6	12.3	12.3	12.3	49.3
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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2.5°	59.8	55.3	48.9	47.5	45.7	45.2	44.8	44.8	44.3	44.8	44.8
5°	63.9	67.6	70.3	68.5	50.7	48.4	44.8	44.3	44.8	44.8	47.0
7.5°	58.0	58.0	55.3	63.5	63.9	47.5	43.8	44.8	45.2	45.7	53.0
10°	62.6	79.5	79.0	80.4	91.8	90.0	67.1	65.8	66.2	69.4	91.8
12.5°	111.4	103.2	81.3	84.9	84.0	93.2	71.7	69.0	70.8	88.1	85.9
15°	111.9	128.3	131.1	115.5	109.6	116.0	104.6	99.6	96.4	114.6	98.6
17.5°	132.9	131.5	134.3	123.8	116.9	115.1	126.0	123.3	118.3	110.1	102.3
20°	147.0	157.1	160.3	180.8	168.5	163.5	167.1	157.6	152.1	154.4	153.9
22.5°	180.4	194.5	184.0	188.2	191.8	204.6	200.0	185.4	189.1	190.0	184.0
25°	190.9	214.2	229.3	237.0	239.8	231.5	243.0	226.1	231.5	223.8	229.3
27.5°	236.6	237.9	249.8	247.1	265.8	275.4	274.9	265.8	268.1	272.6	278.6
30°	249.8	254.8	278.6	286.8	297.3	304.6	295.9	299.6	292.7	302.3	303.7
32.5°	291.4	286.8	295.5	330.2	354.4	366.7	354.4	361.7	353.9	357.1	341.1
35°	316.0	337.5	343.4	359.9	378.1	395.5	391.8	390.5	389.5	395.9	362.6
37.5°	366.7	371.3	374.5	395.5	411.9	434.8	435.7	430.6	439.3	421.1	392.3
40°	400.0	407.4	411.5	425.6	459.0	477.2	490.9	480.9	493.2	456.7	436.1
42.5°	449.8	446.6	453.9	475.9	517.0	527.9	547.1	540.7	559.4	520.2	479.5
45°	515.1	512.4	513.8	527.9	583.6	591.4	610.6	615.6	624.7	575.9	534.3
47.5°	588.7	590.0	590.0	604.2	649.8	665.4	687.3	702.4	699.2	635.2	593.7
50°	671.3	677.7	668.1	687.8	722.0	749.9	762.2	794.6	782.7	717.9	671.8
52.5°	762.6	773.2	764.5	780.9	813.3	848.5	869.1	899.7	879.1	824.8	743.5
55°	853.1	871.3	881.4	899.2	940.8	974.1	983.2	1026.6	997.8	944.4	822.0
57.5°	948.1	986.9	1023.0	1047.2	1117.0	1155.8	1175.5	1269.6	1234.4	1177.8	988.7
60°	1070.9	1188.7	1286.9	1341.3	1433.5	1473.2	1551.8	1651.3	1626.2	1542.6	1287.4
62.5°	1272.3	1481.9	1631.7	1701.6	1723.5	1775.1	1848.6	1942.7	1903.9	1711.2	1444.5
64°	1387.4	1623.9	1776.0	1837.7	1806.6	1863.2	1913.5	1985.6	1920.3	1709.8	1420.3
65°	1436.2	1676.9	1822.6	1881.0	1818.5	1865.1	1906.6	1951.8	1870.1	1665.0	1360.9
67.5°	1448.6	1680.6	1810.7	1845.4	1741.8	1728.1	1734.9	1730.3	1620.7	1433.5	1162.2
70°	1263.2	1485.6	1667.8	1712.1	1573.2	1499.7	1496.1	1452.2	1340.8	1193.3	957.2
72.5°	975.5	1169.5	1349.9	1409.8	1278.7	1220.7	1207.0	1120.7	1028.0	891.4	721.1
75°	660.8	817.9	870.4	874.1	769.0	738.0	717.9	639.8	559.4	501.0	422.9
77.5°	388.2	453.0	405.1	356.7	279.5	198.2	147.5	122.8	134.3	133.8	126.0
80°	328.3	308.3	249.3	193.2	138.8	78.5	57.1	48.4	49.3	50.2	49.3
82.5°	353.0	375.8	318.8	226.5	169.9	100.0	48.4	34.7	39.7	43.8	42.0
85°	299.1	366.7	341.6	244.8	182.2	105.0	34.3	22.8	29.2	36.1	38.4
87.5°	116.0	169.4	137.5	94.5	63.5	35.2	20.1	16.4	20.6	28.8	31.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2.5°	45.2	46.6	48.9	48.9	47.5	48.9	55.3	63.0	67.6	71.2	75.4
5°	47.0	61.7	71.7	73.1	71.2	51.6	48.0	48.0	49.8	51.6	47.5
7.5°	65.8	62.6	43.8	46.6	47.0	47.5	47.0	48.4	48.9	64.8	74.0
10°	74.9	68.0	66.2	55.3	51.6	72.2	72.2	72.6	75.4	75.8	75.4
12.5°	73.1	69.9	70.3	93.6	100.9	96.4	78.1	72.2	75.4	86.3	96.8
15°	97.7	104.1	110.5	96.8	101.4	98.2	115.5	120.1	99.1	97.7	100.9
17.5°	104.1	125.6	126.5	121.0	136.5	121.9	118.7	120.1	118.3	109.6	123.8
20°	171.7	159.8	148.9	136.5	148.0	143.4	140.7	142.0	140.7	141.1	124.7
22.5°	182.2	177.2	186.8	181.8	171.3	159.8	164.4	161.7	146.6	162.6	150.2
25°	237.0	233.4	212.8	189.5	205.5	181.8	170.8	181.8	179.0	166.7	166.7
27.5°	249.3	248.4	244.8	248.9	218.7	206.0	219.2	187.7	189.5	193.6	192.7
30°	288.6	288.2	257.6	261.2	259.4	237.0	228.3	231.5	210.1	206.4	214.6
32.5°	330.6	303.2	295.0	297.8	276.3	261.7	257.1	239.3	231.1	227.0	213.7
35°	348.9	348.0	340.7	314.6	306.4	279.0	274.9	254.4	246.6	243.9	237.0
37.5°	373.1	372.2	364.4	350.7	331.1	298.7	284.5	270.8	253.5	242.5	251.2
40°	405.5	398.7	390.9	368.5	341.6	312.4	292.3	268.5	257.6	247.1	259.4
42.5°	463.1	432.5	413.3	385.0	348.9	313.7	291.4	268.5	247.5	244.3	246.1
45°	513.8	464.9	432.0	395.5	352.1	311.0	282.7	256.7	242.0	229.7	229.3
47.5°	558.1	501.9	449.4	403.7	350.3	303.7	269.9	242.0	223.8	211.9	206.4
50°	599.6	540.7	467.2	406.4	342.5	289.5	251.6	221.9	199.1	185.9	184.5
52.5°	641.2	568.1	482.2	402.3	327.4	268.1	225.1	193.6	169.0	158.0	155.7
55°	700.1	583.6	490.0	387.7	303.7	238.8	193.6	160.3	135.6	130.2	127.0
57.5°	823.8	634.3	497.8	364.9	268.5	200.9	156.6	127.9	109.6	104.1	101.4
60°	1023.0	731.1	515.6	330.2	220.6	158.5	119.6	95.9	83.6	80.4	79.0
62.5°	1116.6	756.7	488.2	277.7	169.0	112.8	84.0	67.6	61.2	60.3	61.2
64°	1086.9	713.3	435.2	237.0	134.7	87.2	64.8	53.9	50.2	49.8	51.6
65°	1034.4	664.0	395.0	209.2	111.9	72.2	54.3	46.6	43.8	44.8	46.1
67.5°	854.4	513.3	267.6	125.1	64.8	44.3	37.0	33.3	33.8	34.7	36.5
70°	667.2	343.9	145.7	64.8	38.8	30.1	27.9	26.5	27.4	28.8	30.6
72.5°	457.6	192.3	69.4	37.0	28.8	24.2	23.7	23.3	24.2	25.6	27.4
75°	239.8	80.4	39.3	29.2	25.1	21.9	22.4	21.9	22.8	24.2	25.6
77.5°	75.8	43.4	32.9	26.9	23.7	20.6	21.0	21.5	22.4	23.3	24.2
80°	41.1	36.1	29.7	25.1	22.4	19.2	20.1	20.6	21.9	22.4	22.4
82.5°	37.4	31.5	26.0	22.8	21.5	18.7	20.6	20.6	20.6	20.6	20.6
85°	32.9	25.6	21.5	20.1	20.1	17.8	19.2	19.2	18.3	18.3	17.4
87.5°	25.6	18.7	18.3	20.1	18.7	12.8	16.4	15.5	14.2	14.2	13.7
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°	45.2	45.2	45.2	45.2
2.5°	74.9	75.4	73.5	73.5
5°	47.0	47.5	47.0	47.0
7.5°	76.7	75.8	78.5	75.8
10°	77.2	74.9	74.4	74.9
12.5°	100.5	100.5	100.9	100.9
15°	100.5	100.0	100.9	100.5
17.5°	126.0	127.0	127.4	127.0
20°	127.4	127.9	131.5	128.8
22.5°	151.2	153.9	153.9	153.4
25°	157.6	177.6	181.8	181.3
27.5°	180.8	183.1	183.6	183.1
30°	206.0	206.9	209.2	208.2
32.5°	216.9	231.5	234.3	233.4
35°	235.2	231.1	240.7	250.3
37.5°	246.1	244.8	247.1	246.6
40°	256.2	258.5	261.2	258.9
42.5°	246.6	245.2	246.6	245.7
45°	227.0	227.4	226.5	225.6
47.5°	202.3	202.3	201.4	201.4
50°	176.3	177.2	173.5	174.0
52.5°	148.9	149.8	147.0	144.3
55°	123.3	123.8	120.1	119.2
57.5°	99.6	100.9	97.7	96.4
60°	79.0	79.5	78.5	78.5
62.5°	62.6	61.7	60.7	61.2
64°	53.0	53.4	52.1	53.0
65°	47.5	48.4	47.5	48.4
67.5°	37.9	39.3	38.8	39.3
70°	32.4	32.9	32.4	32.4
72.5°	28.8	29.2	28.3	27.9
75°	26.9	26.5	26.0	25.6
77.5°	24.7	24.7	23.7	23.3
80°	21.9	21.5	20.6	19.6
82.5°	20.1	19.2	16.9	15.5
85°	16.9	15.5	12.8	10.0
87.5°	13.7	12.3	7.8	4.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)