

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: P157204

Luminaire Tested: **UTLD-F03-LED-E-U-T4-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157204
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33663)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-T4-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5964.7 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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

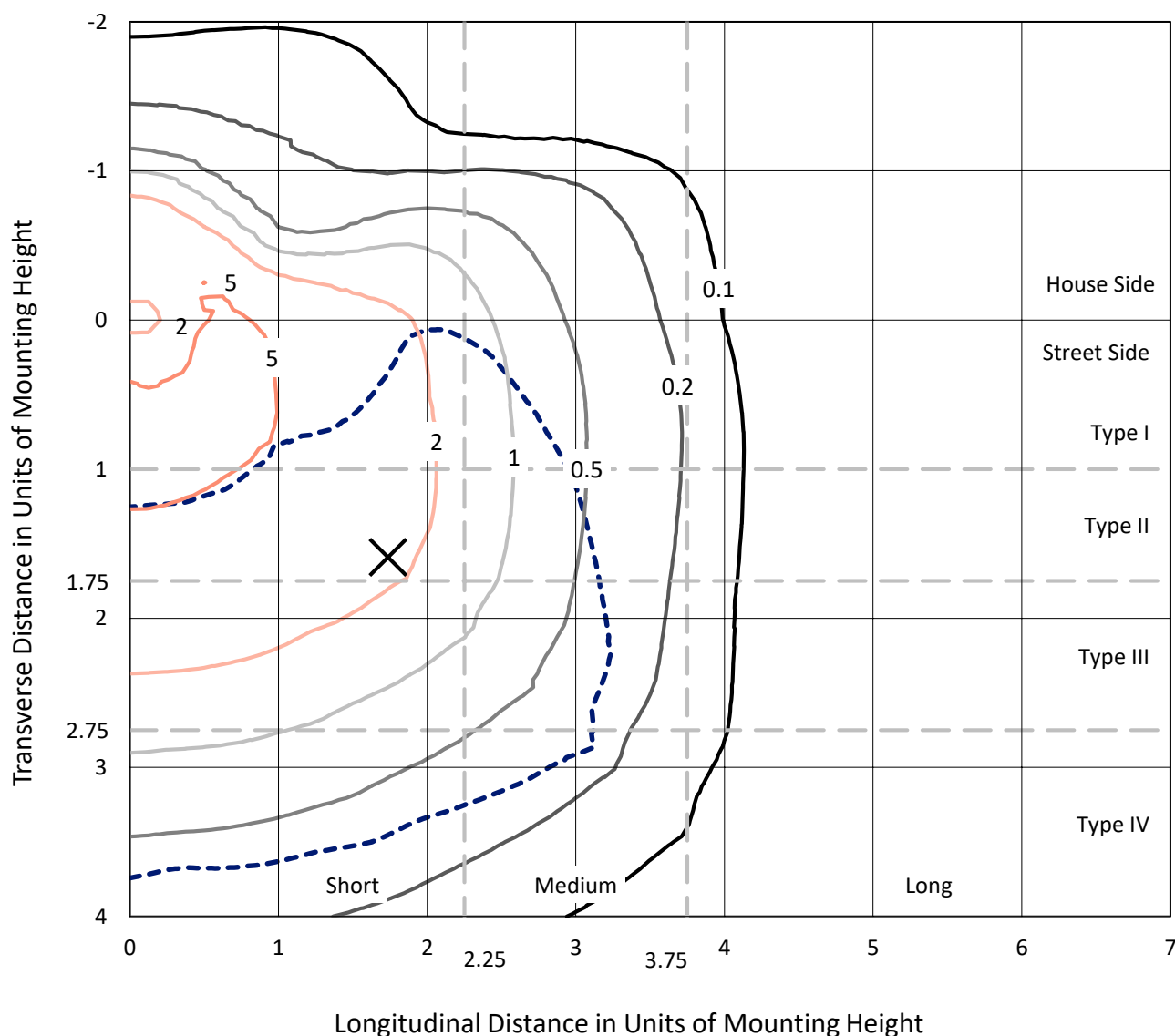


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

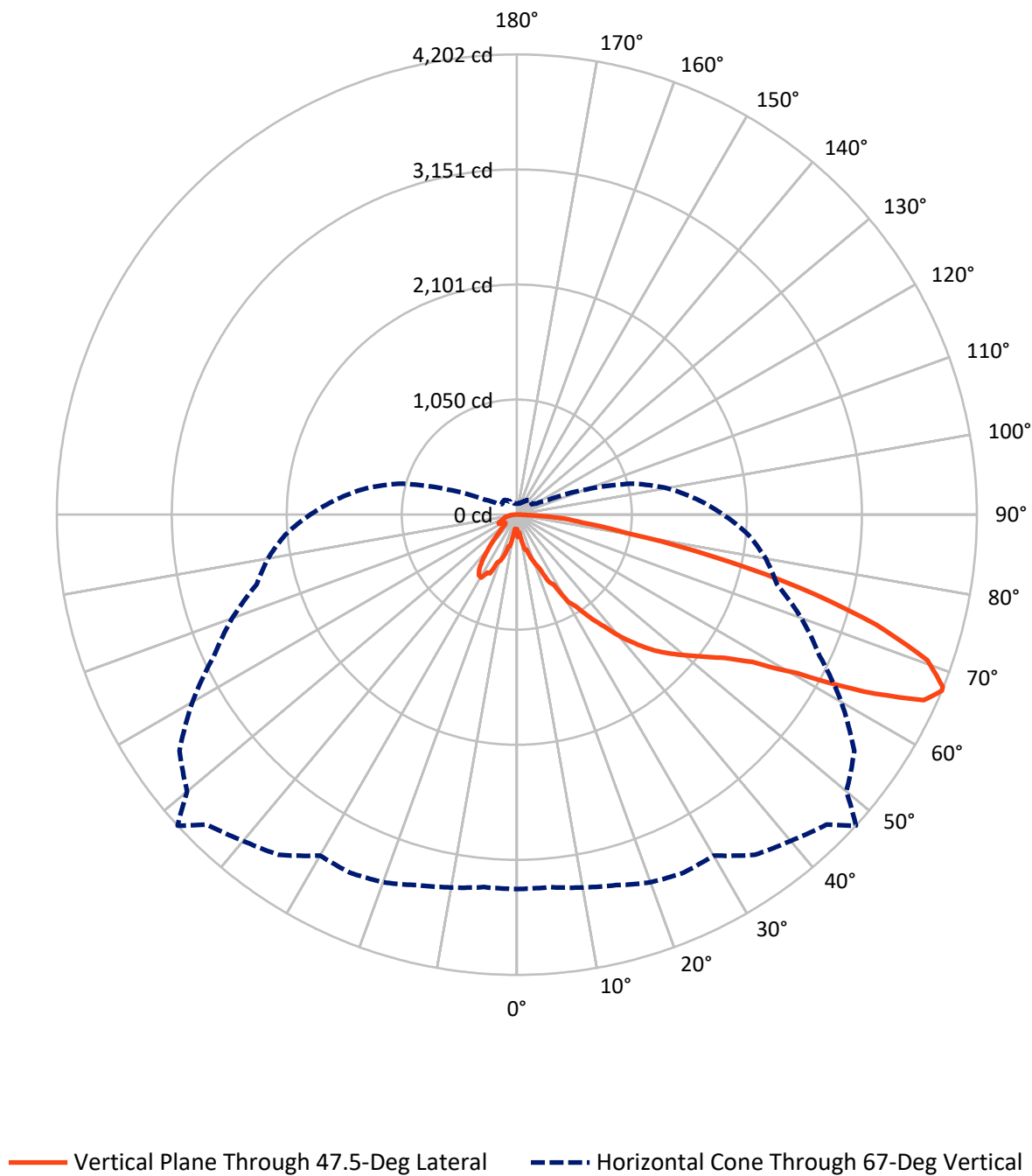


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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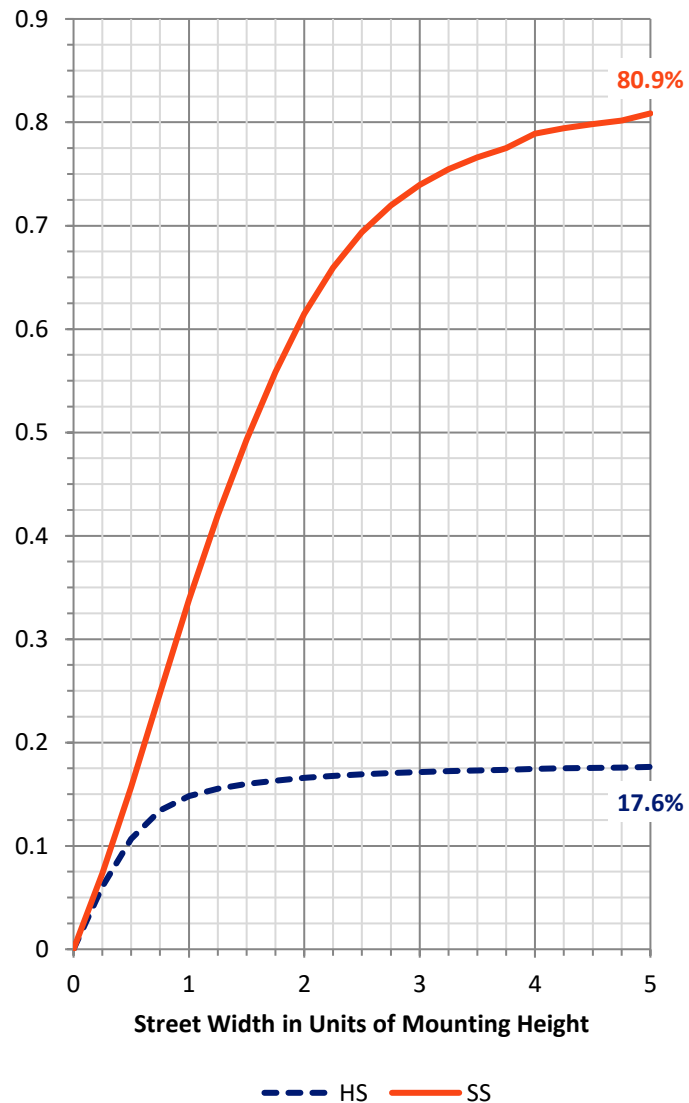
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.6	0.0	1070.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4894.1	0.0	4894.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	5964.7	0.0	5964.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.3
10°-20°	97.8	1.6
20°-30°	288.3	4.8
30°-40°	566.8	9.5
40°-50°	791.4	13.3
50°-60°	1103.4	18.5
60°-70°	1768.1	29.6
70°-80°	1134.2	19.0
80°-90°	197.3	3.3
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°	5964.7	100.0
0°-180°	5964.7	100.0

Coefficient of Utilization



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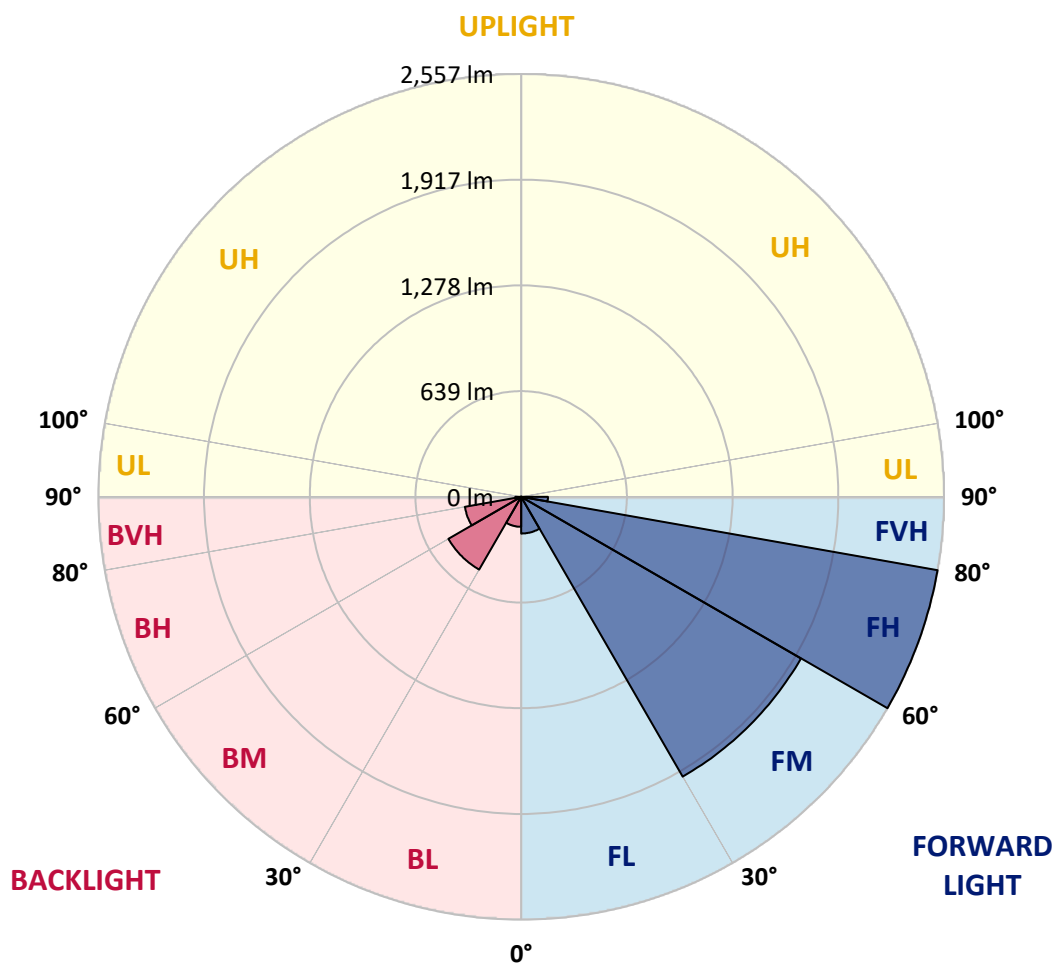
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.2	3.7			
FM	(30°-60°)	1953.6	32.8			
FH	(60°-80°)	2556.6	42.9			G2/5000
FVH	(80°-90°)	161.7	2.7			G2/225
BL	(0°-30°)	181.4	3.0	B1/500		
BM	(30°-60°)	508.0	8.5	B1/1000		
BH	(60°-80°)	345.7	5.8	B1/500		G1/500
BVH	(80°-90°)	35.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	205.8	207.0	205.8	207.0	207.0	205.8	205.8	205.8	209.2	199.1	203.6
5°	162.9	164.0	164.0	164.0	164.0	164.0	165.1	168.5	165.1	166.3	166.3
7.5°	248.8	251.1	251.1	248.8	249.9	249.9	248.8	177.6	171.9	168.5	165.1
10°	254.5	256.7	256.7	252.2	253.3	254.5	254.5	253.3	251.1	243.2	242.0
12.5°	345.0	346.1	345.0	343.8	341.6	330.2	303.1	263.5	251.1	317.8	323.5
15°	369.8	368.7	366.4	360.8	357.4	351.7	345.0	401.5	394.7	341.6	334.8
17.5°	469.4	469.4	467.1	466.0	451.3	446.7	433.2	425.3	417.3	406.0	412.8
20°	568.9	563.2	513.5	486.3	469.4	520.3	519.1	504.4	516.9	475.0	473.9
22.5°	605.1	601.7	597.2	582.5	577.9	613.0	579.1	568.9	580.2	536.1	535.0
25°	746.5	745.3	725.0	713.7	678.6	660.5	672.9	663.9	632.2	631.1	677.5
27.5°	807.5	799.6	784.9	765.7	800.7	786.0	788.3	711.4	771.3	740.8	728.4
30°	964.7	968.1	942.1	951.2	943.2	873.1	850.5	872.0	868.6	844.8	920.6
32.5°	1161.5	1160.4	1132.1	1081.2	1012.2	998.7	1012.2	993.0	986.2	981.7	1004.3
35°	1378.7	1362.8	1265.6	1241.8	1203.4	1175.1	1163.8	1115.2	1135.5	1080.1	1155.9
37.5°	1483.9	1486.1	1448.8	1448.8	1408.1	1366.2	1314.2	1319.9	1275.8	1241.8	1295.0
40°	1639.9	1645.6	1610.5	1591.3	1573.2	1507.6	1472.5	1446.5	1445.4	1414.9	1469.2
42.5°	1715.7	1724.8	1693.1	1682.9	1695.4	1652.4	1595.8	1594.7	1601.5	1559.6	1623.0
45°	1793.8	1805.1	1772.3	1785.8	1772.3	1765.5	1689.7	1728.2	1747.4	1701.0	1770.0
47.5°	1885.4	1900.1	1887.6	1879.7	1866.1	1866.1	1810.7	1836.7	1865.0	1825.4	1897.8
50°	1999.6	2009.8	1996.2	1992.8	1972.4	1969.1	1932.9	1951.0	1973.6	1932.9	2018.8
52.5°	2151.1	2153.4	2144.4	2124.0	2093.5	2100.2	2078.8	2079.9	2088.9	2061.8	2156.8
55°	2342.3	2344.5	2343.4	2295.9	2324.2	2272.2	2237.1	2243.9	2239.4	2217.9	2308.4
57.5°	2580.9	2595.6	2602.4	2560.6	2586.6	2490.4	2470.1	2457.6	2473.5	2424.8	2535.7
60°	2960.9	2983.6	2972.2	2965.5	2945.1	2855.8	2829.7	2865.9	2849.0	2806.0	2938.3
62.5°	3448.4	3442.7	3471.0	3466.5	3472.1	3382.8	3321.7	3409.9	3439.3	3456.3	3557.0
65°	3573.9	3575.1	3611.3	3620.3	3664.4	3655.4	3613.5	3767.3	3817.1	3888.3	4084.0
67°	3417.9	3413.3	3456.3	3501.5	3571.7	3606.7	3593.2	3791.1	3888.3	4001.4	4201.6
67.5°	3369.2	3360.2	3406.5	3465.4	3537.7	3580.7	3570.5	3775.2	3877.0	4000.3	4196.0
70°	3051.4	3019.7	3078.6	3157.7	3223.3	3321.7	3326.2	3520.8	3662.1	3794.5	3976.6
72.5°	2644.3	2602.4	2655.6	2715.5	2764.1	2878.4	2885.2	3011.8	3156.6	3264.0	3432.6
75°	2099.1	2044.8	2094.6	2124.0	2142.1	2234.8	2242.8	2353.6	2459.9	2542.5	2672.5
77.5°	1298.4	1262.2	1302.9	1351.5	1412.6	1453.3	1475.9	1543.8	1660.3	1753.0	1823.2
80°	650.3	676.3	719.3	784.9	835.8	907.1	936.5	941.0	989.6	982.8	1026.9
82.5°	452.4	480.7	541.7	583.6	599.4	622.0	658.2	646.9	614.1	608.5	603.9
85°	115.4	179.8	330.2	400.4	416.2	440.0	472.8	492.0	441.1	399.2	407.2
87.5°	31.7	38.5	113.1	167.4	181.0	133.5	173.0	207.0	134.6	89.3	93.9
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°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	183.2	162.9	153.8	140.2	136.8	135.7	133.5	133.5	132.3	132.3	132.3
5°	169.6	187.7	203.6	208.1	199.1	148.2	143.6	135.7	134.6	134.6	135.7
7.5°	166.3	168.5	169.6	162.9	190.0	191.1	138.0	135.7	135.7	135.7	136.8
10°	242.0	179.8	226.2	234.1	239.8	279.4	276.0	209.2	201.3	205.8	212.6
12.5°	325.7	334.8	298.6	242.0	247.7	249.9	280.5	217.2	204.7	212.6	256.7
15°	333.6	332.5	348.3	390.2	339.3	329.1	350.6	300.8	298.6	280.5	328.0
17.5°	472.8	404.9	393.6	397.0	363.0	347.2	322.3	349.5	316.7	307.6	300.8
20°	490.8	450.1	429.8	501.0	545.1	498.8	473.9	481.8	453.5	436.6	433.2
22.5°	533.8	581.3	600.6	555.3	555.3	548.5	598.3	562.1	546.3	528.2	520.3
25°	695.6	618.7	678.6	727.2	703.5	685.4	648.1	660.5	609.6	608.5	585.9
27.5°	761.2	806.4	784.9	789.4	752.1	809.8	784.9	757.8	710.3	701.2	712.5
30°	929.7	883.3	903.7	919.5	902.5	899.1	873.1	834.7	800.7	775.9	772.5
32.5°	998.7	1030.3	1021.3	1002.1	1058.6	1075.6	1059.7	969.3	938.7	874.3	874.3
35°	1135.5	1119.7	1198.8	1179.6	1157.0	1135.5	1120.8	1058.6	991.9	924.0	905.9
37.5°	1285.9	1302.9	1300.6	1263.3	1224.9	1185.3	1169.4	1109.5	1034.9	973.8	892.4
40°	1440.9	1409.2	1393.4	1360.6	1290.5	1255.4	1231.6	1197.7	1083.5	1014.5	895.7
42.5°	1585.6	1564.2	1489.5	1440.9	1390.0	1339.1	1272.4	1245.2	1129.9	1041.6	884.4
45°	1719.1	1681.8	1601.5	1539.3	1455.6	1414.9	1321.0	1270.1	1180.8	1043.9	853.9
47.5°	1831.1	1792.6	1711.2	1606.0	1529.1	1470.3	1382.1	1338.0	1229.4	1069.9	853.9
50°	1939.6	1895.5	1807.3	1659.2	1590.2	1491.8	1444.3	1382.1	1290.5	1108.4	879.9
52.5°	2058.4	2005.2	1900.1	1731.5	1652.4	1556.2	1505.3	1453.3	1369.6	1161.5	922.9
55°	2205.4	2142.1	2005.2	1842.4	1729.3	1642.2	1593.6	1539.3	1452.2	1222.6	976.0
57.5°	2416.9	2327.6	2165.8	2016.6	1878.6	1803.9	1734.9	1660.3	1584.5	1330.0	1063.1
60°	2778.8	2681.6	2473.5	2338.9	2188.5	2088.9	1979.2	1920.4	1803.9	1534.8	1206.8
62.5°	3380.5	3256.1	3059.3	2806.0	2591.1	2388.7	2274.4	2189.6	2016.6	1714.6	1391.1
65°	3827.3	3654.2	3390.7	3063.9	2806.0	2504.0	2393.2	2219.0	2012.0	1727.0	1444.3
67°	3930.2	3761.7	3422.4	3051.4	2766.4	2459.9	2308.4	2125.1	1886.5	1644.5	1393.4
67.5°	3927.9	3762.8	3405.4	3029.9	2743.8	2437.3	2274.4	2087.8	1844.6	1618.4	1377.5
70°	3702.9	3569.4	3183.7	2804.9	2506.3	2222.4	2008.6	1833.3	1602.6	1422.8	1213.6
72.5°	3152.1	3070.6	2716.6	2372.8	2096.9	1859.3	1696.5	1522.3	1314.2	1175.1	1023.5
75°	2461.0	2345.7	2003.0	1734.9	1512.1	1353.8	1223.7	1067.7	903.7	823.4	765.7
77.5°	1639.9	1526.8	1206.8	943.2	784.9	651.5	551.9	441.1	342.7	351.7	378.9
80°	891.2	800.7	576.8	416.2	339.3	274.8	230.7	176.4	128.9	154.9	176.4
82.5°	541.7	475.0	368.7	288.4	236.4	200.2	162.9	121.0	92.7	105.2	127.8
85°	376.6	332.5	263.5	207.0	168.5	134.6	105.2	78.0	73.5	80.3	91.6
87.5°	125.5	156.1	118.8	96.1	92.7	83.7	70.1	56.5	44.1	55.4	71.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3	132.3
2.5°	133.5	134.6	140.2	143.6	143.6	140.2	162.9	160.6	195.7	197.9	207.0
5°	144.8	145.9	190.0	205.8	207.0	178.7	139.1	133.5	131.2	130.1	133.5
7.5°	164.0	191.1	173.0	124.4	128.9	128.9	131.2	130.1	131.2	154.9	212.6
10°	274.8	205.8	194.5	166.3	134.6	144.8	209.2	210.4	213.8	222.8	223.9
12.5°	242.0	211.5	199.1	200.2	276.0	296.3	286.1	218.3	221.7	227.3	265.8
15°	280.5	277.1	292.9	289.5	281.6	299.7	296.3	354.0	364.2	311.0	312.2
17.5°	287.3	289.5	356.3	365.3	358.5	392.5	371.0	366.4	374.4	368.7	350.6
20°	433.2	481.8	467.1	393.6	406.0	450.1	438.8	376.6	430.9	435.4	403.8
22.5°	453.5	496.5	510.1	551.9	549.7	461.4	475.0	496.5	451.3	430.9	470.5
25°	608.5	650.3	671.8	611.9	554.2	602.8	576.8	494.2	514.6	480.7	480.7
27.5°	756.6	695.6	715.9	688.8	706.9	608.5	579.1	613.0	510.1	519.1	529.3
30°	789.4	774.7	789.4	756.6	709.1	692.2	628.8	600.6	608.5	532.7	525.9
32.5°	844.8	818.8	791.7	732.9	726.1	675.2	631.1	619.8	563.2	535.0	530.4
35°	838.1	778.1	758.9	721.6	668.4	627.7	584.7	553.1	511.2	503.3	497.6
37.5°	816.6	723.8	670.7	634.5	589.2	550.8	489.7	468.2	453.5	438.8	432.0
40°	783.8	667.3	577.9	522.5	476.1	435.4	395.8	375.5	365.3	371.0	377.8
42.5°	726.1	601.7	478.4	415.1	366.4	333.6	307.6	298.6	295.2	300.8	312.2
45°	680.9	519.1	385.7	313.3	272.6	251.1	233.0	226.2	230.7	235.2	240.9
47.5°	660.5	455.8	308.8	236.4	204.7	193.4	182.1	176.4	178.7	182.1	186.6
50°	654.8	419.6	257.9	186.6	165.1	153.8	145.9	143.6	144.8	143.6	145.9
52.5°	656.0	419.6	234.1	164.0	144.8	135.7	128.9	126.7	123.3	122.1	123.3
55°	679.7	430.9	228.5	159.5	141.4	131.2	124.4	123.3	118.8	115.4	114.2
57.5°	752.1	471.6	242.0	168.5	147.0	138.0	131.2	130.1	125.5	119.9	117.6
60°	895.7	561.0	278.2	188.9	161.7	153.8	149.3	148.2	141.4	133.5	126.7
62.5°	1046.2	659.4	322.3	210.4	178.7	176.4	177.6	175.3	166.3	149.3	136.8
65°	1112.9	697.8	339.3	212.6	178.7	183.2	186.6	187.7	173.0	152.7	136.8
67°	1092.5	670.7	322.3	199.1	167.4	171.9	173.0	174.2	159.5	142.5	127.8
67.5°	1082.4	659.4	316.7	196.8	166.3	169.6	168.5	168.5	154.9	140.2	125.5
70°	977.2	582.5	279.4	182.1	154.9	150.4	141.4	141.4	131.2	123.3	115.4
72.5°	829.0	494.2	243.2	173.0	147.0	134.6	124.4	123.3	116.5	113.1	108.6
75°	633.4	384.5	213.8	164.0	139.1	124.4	113.1	114.2	107.4	106.3	104.1
77.5°	376.6	261.3	185.5	152.7	132.3	117.6	105.2	107.4	99.5	98.4	98.4
80°	187.7	174.2	153.8	132.3	115.4	104.1	91.6	91.6	86.0	84.8	88.2
82.5°	141.4	131.2	114.2	100.7	90.5	78.0	61.1	67.9	67.9	70.1	72.4
85°	105.2	93.9	81.4	71.3	65.6	58.8	47.5	52.0	53.2	57.7	59.9
87.5°	79.2	66.7	56.5	52.0	49.8	45.2	35.1	41.8	43.0	43.0	45.2
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°	132.3	132.3	132.3	132.3	132.3
2.5°	208.1	205.8	203.6	202.4	202.4
5°	131.2	127.8	127.8	127.8	126.7
7.5°	218.3	221.7	220.5	220.5	219.4
10°	223.9	222.8	223.9	222.8	223.9
12.5°	305.4	314.4	320.1	322.3	320.1
15°	322.3	321.2	322.3	323.5	322.3
17.5°	389.1	399.2	401.5	400.4	400.4
20°	383.4	392.5	393.6	399.2	393.6
22.5°	451.3	449.0	454.7	452.4	450.1
25°	473.9	453.5	503.3	506.7	503.3
27.5°	527.0	493.1	497.6	497.6	493.1
30°	547.4	532.7	536.1	540.6	539.5
32.5°	506.7	512.3	554.2	562.1	561.0
35°	498.8	506.7	501.0	507.8	530.4
37.5°	468.2	472.8	481.8	489.7	490.8
40°	408.3	426.4	440.0	445.6	450.1
42.5°	325.7	345.0	357.4	363.0	358.5
45°	253.3	265.8	276.0	279.4	276.0
47.5°	194.5	199.1	202.4	203.6	207.0
50°	149.3	149.3	150.4	148.2	148.2
52.5°	125.5	122.1	122.1	119.9	119.9
55°	114.2	112.0	110.8	108.6	108.6
57.5°	114.2	109.7	106.3	102.9	102.9
60°	118.8	110.8	104.1	100.7	99.5
62.5°	123.3	113.1	104.1	99.5	98.4
65°	121.0	112.0	104.1	99.5	98.4
67°	116.5	109.7	104.1	99.5	99.5
67.5°	115.4	109.7	104.1	99.5	98.4
70°	110.8	108.6	102.9	98.4	97.3
72.5°	106.3	104.1	98.4	93.9	92.7
75°	101.8	98.4	93.9	90.5	89.3
77.5°	96.1	91.6	87.1	82.6	80.3
80°	87.1	81.4	75.8	72.4	67.9
82.5°	73.5	72.4	65.6	61.1	56.5
85°	61.1	59.9	55.4	49.8	44.1
87.5°	46.4	47.5	44.1	38.5	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)