

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: P157168

Luminaire Tested: **UTLD-E03-LED-E-U-T3-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157168
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-E03-LED-E-U-T3-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6824.9 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

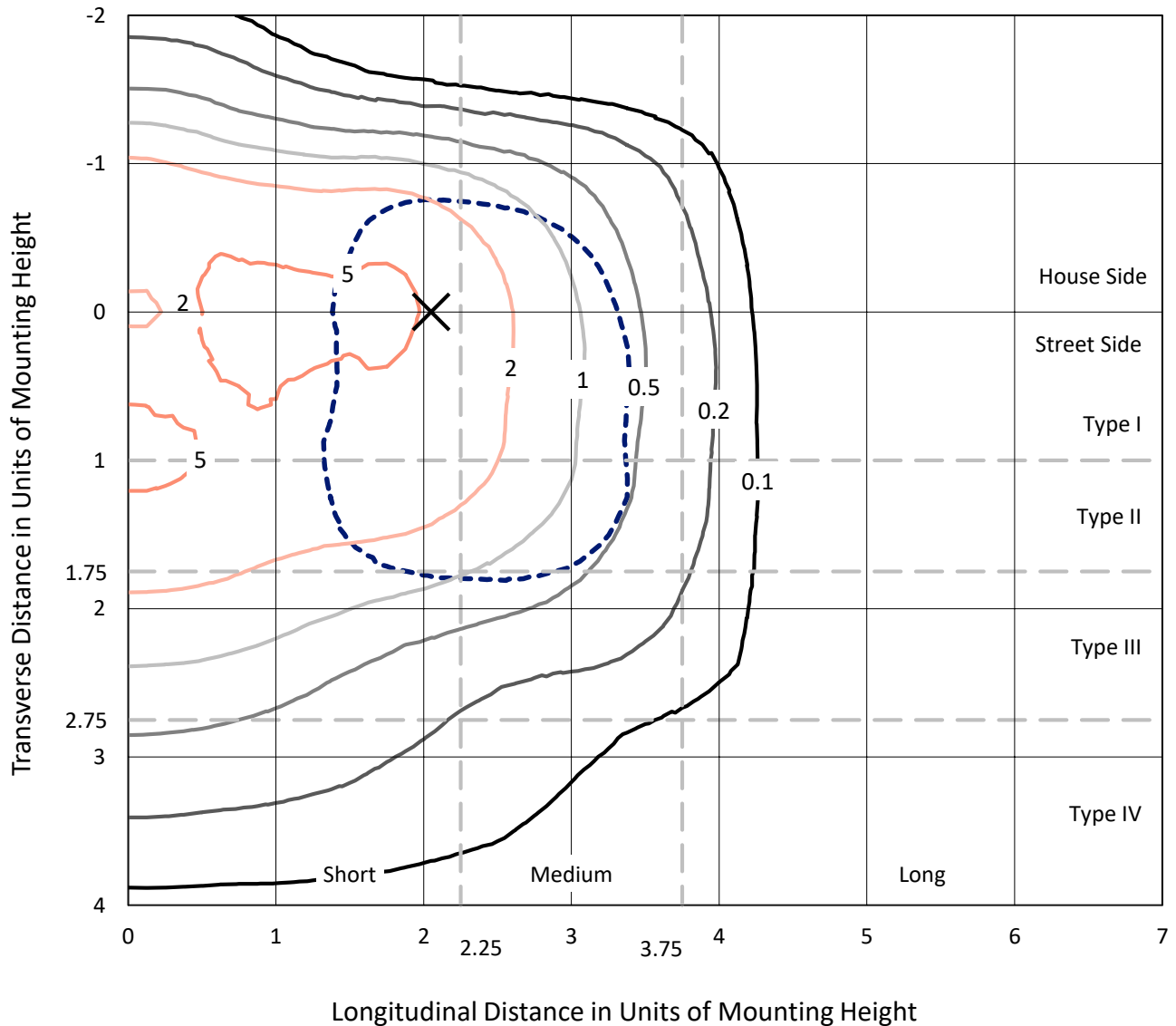
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

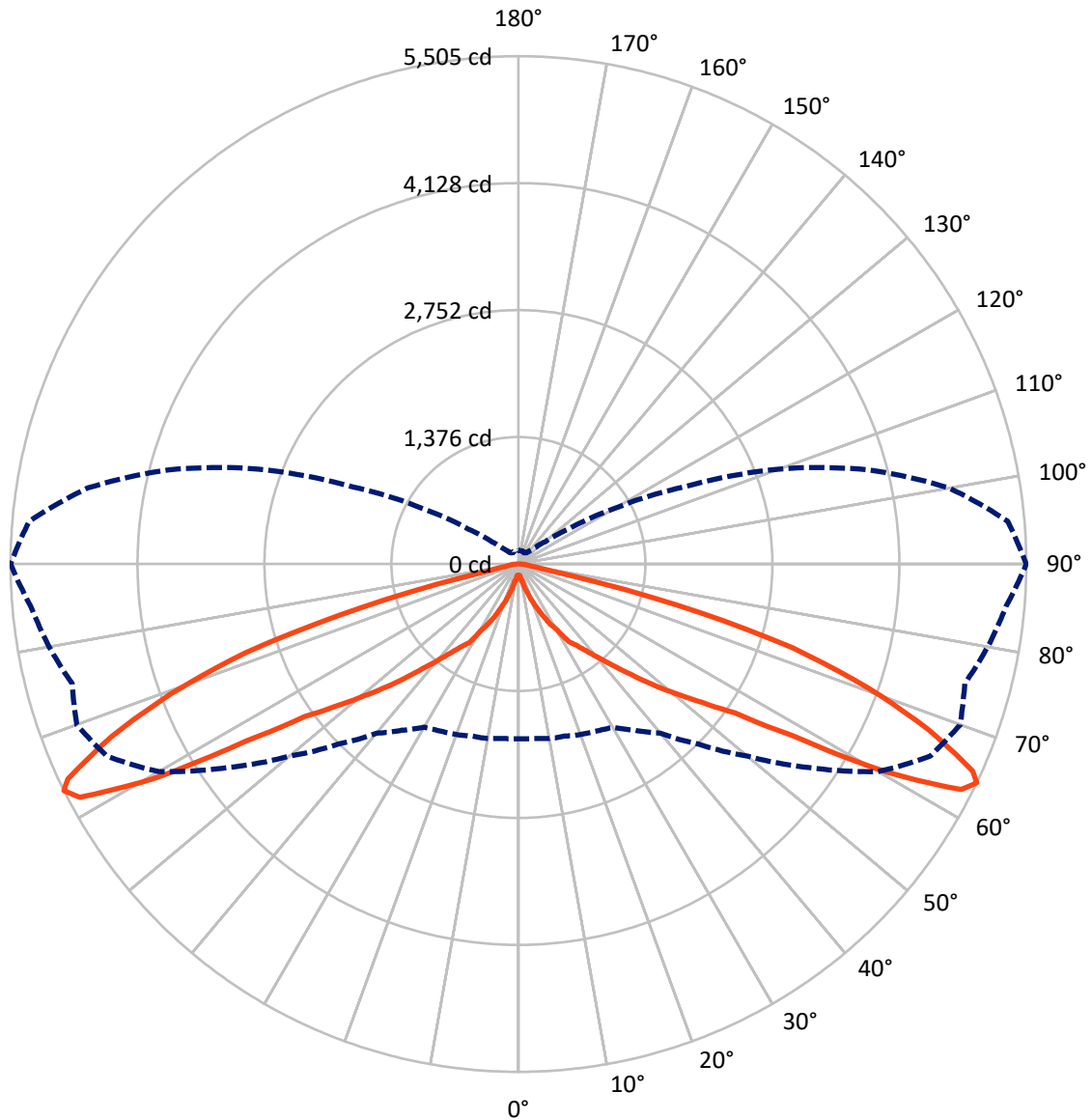
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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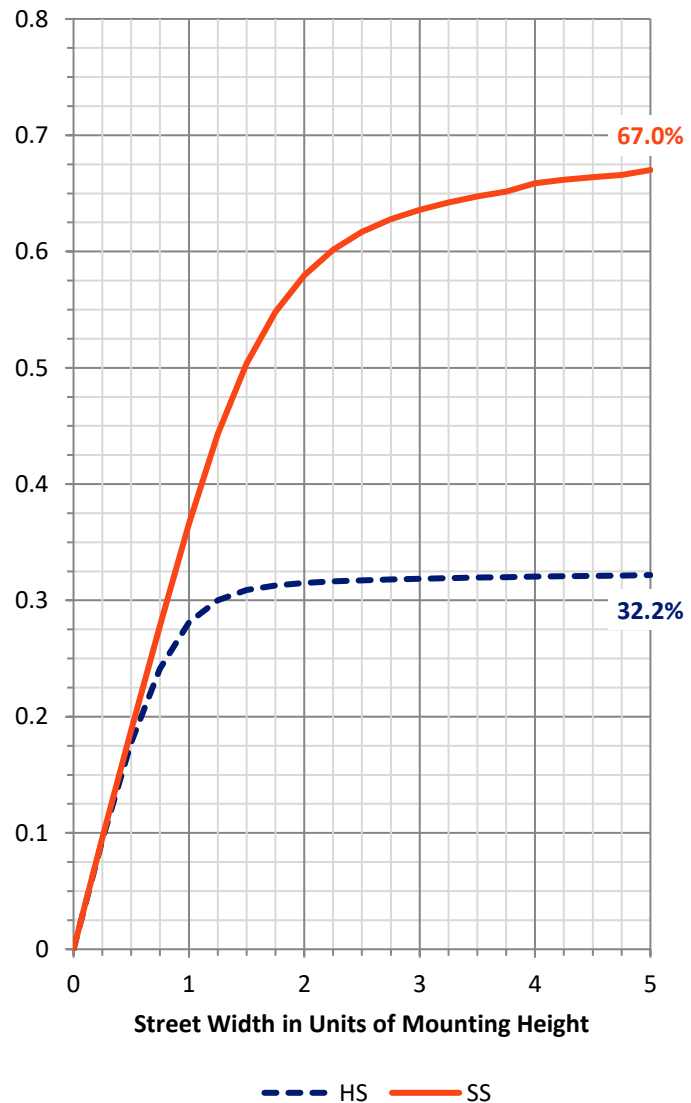
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.0	0.0	2218.0
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	4606.9	0.0	4606.9
	% Fixture	67.5	0.0	67.5
Total	Lumens	6824.9	0.0	6824.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.2
10°-20°	89.7	1.3
20°-30°	264.2	3.9
30°-40°	558.5	8.2
40°-50°	979.1	14.3
50°-60°	1559.1	22.8
60°-70°	2186.4	32.0
70°-80°	990.3	14.5
80°-90°	180.9	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°	6824.9	100.0
0°-180°	6824.9	100.0



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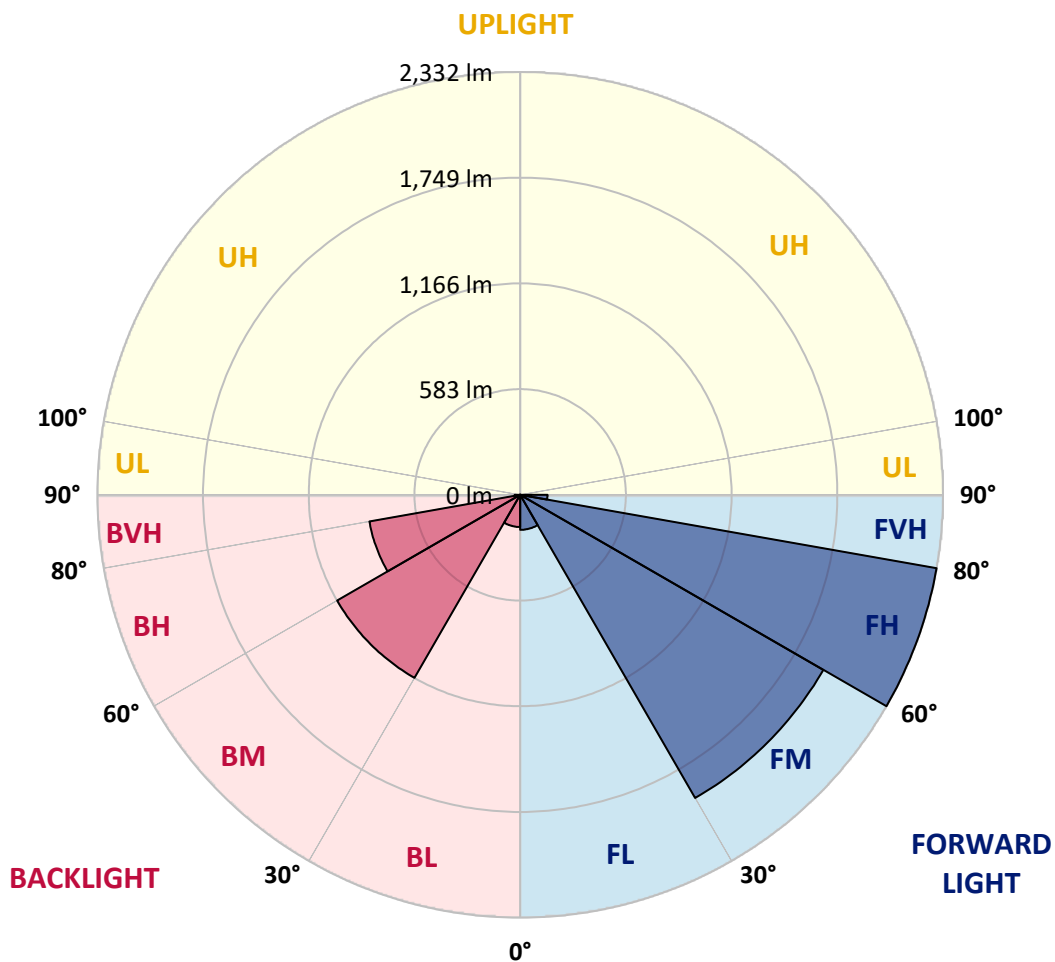
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.1	2.8			
FM (30°-60°)	1930.9	28.3			
FH (60°-80°)	2332.3	34.2			G2/5000
FVH (80°-90°)	150.7	2.2			G2/225
BL (0°-30°)	177.5	2.6	B1/500		
BM (30°-60°)	1165.8	17.1	B2/2500		
BH (60°-80°)	844.5	12.4	B2/1000		G2/1000
BVH (80°-90°)	30.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
2.5°	197.5	200.0	198.8	200.0	201.3	200.0	200.0	198.8	200.0	201.3	201.3
5°	160.8	162.0	162.0	160.8	162.0	162.0	162.0	162.0	162.0	162.0	162.0
7.5°	240.5	241.8	243.1	240.5	240.5	241.8	239.3	205.1	165.8	163.3	160.8
10°	240.5	241.8	241.8	239.3	240.5	241.8	241.8	240.5	232.9	231.7	231.7
12.5°	308.9	310.2	311.4	311.4	311.4	302.6	291.2	244.3	238.0	300.0	305.1
15°	312.7	312.7	312.7	307.6	307.6	302.6	306.4	362.1	358.3	315.2	310.2
17.5°	384.9	384.9	384.9	383.6	374.7	374.7	377.3	364.6	365.9	367.1	433.0
20°	468.4	470.9	436.8	400.1	386.1	430.4	431.7	424.1	465.9	415.2	436.8
22.5°	489.9	489.9	488.7	477.3	479.8	510.2	491.2	474.7	484.9	458.3	495.0
25°	582.4	582.4	574.8	564.6	549.4	535.5	550.7	548.2	525.4	522.9	583.6
27.5°	624.1	606.4	602.6	589.9	624.1	616.5	629.2	572.2	620.3	608.9	641.9
30°	716.5	715.3	702.6	714.0	714.0	684.9	662.1	688.7	698.8	677.3	752.0
32.5°	848.2	846.9	831.8	822.9	760.9	754.5	768.5	772.3	771.0	777.3	800.1
35°	991.3	990.0	906.4	890.0	867.2	862.1	860.9	840.6	864.7	834.3	895.1
37.5°	1086.2	1096.3	1048.2	1036.8	1007.7	974.8	948.2	960.9	931.8	928.0	972.3
40°	1276.1	1279.9	1236.9	1201.4	1176.1	1101.4	1074.8	1067.2	1057.1	1044.4	1103.9
42.5°	1454.6	1449.6	1411.6	1383.7	1352.1	1279.9	1202.7	1193.8	1191.3	1179.9	1231.8
45°	1628.1	1631.9	1587.5	1574.9	1524.2	1478.7	1372.3	1373.6	1366.0	1353.3	1400.2
47.5°	1786.3	1795.2	1771.1	1731.9	1691.4	1654.6	1573.6	1568.6	1550.8	1554.6	1610.3
50°	1919.2	1935.7	1912.9	1883.8	1847.1	1821.8	1774.9	1763.5	1753.4	1763.5	1824.3
52.5°	2010.4	2024.3	2033.2	1996.5	1996.5	1963.5	1948.4	1937.0	1940.8	1971.1	2043.3
55°	2056.0	2068.6	2087.6	2062.3	2118.0	2069.9	2056.0	2072.4	2097.7	2152.2	2254.7
57.5°	2056.0	2063.6	2087.6	2092.7	2125.6	2091.4	2116.7	2152.2	2206.6	2301.6	2445.9
60°	2012.9	2019.2	2048.4	2052.2	2082.5	2075.0	2096.5	2197.8	2277.5	2434.5	2666.2
62.5°	1944.6	1948.4	1976.2	1983.8	2015.5	2030.6	2063.6	2210.4	2352.2	2625.7	2997.9
64°	1895.2	1897.7	1920.5	1931.9	1967.3	1996.5	2042.0	2200.3	2394.0	2759.9	3240.9
65°	1861.0	1861.0	1888.9	1893.9	1929.4	1967.3	2016.7	2176.2	2396.5	2810.5	3346.0
67.5°	1726.8	1720.5	1748.3	1761.0	1774.9	1805.3	1835.7	2001.5	2247.1	2730.7	3318.2
70°	1500.2	1485.0	1498.9	1488.8	1481.2	1467.3	1452.1	1567.3	1742.0	2228.1	2810.5
72.5°	1052.0	1052.0	1040.6	1064.7	1082.4	1100.1	1039.4	1053.3	1148.2	1462.2	1981.3
75°	706.4	714.0	734.3	792.5	849.5	901.4	921.6	922.9	843.1	867.2	1202.7
77.5°	419.0	435.5	450.7	519.1	592.5	701.4	797.6	891.3	912.8	900.1	871.0
80°	188.6	193.7	215.2	241.8	287.4	362.1	502.6	652.0	821.6	906.4	888.7
82.5°	64.6	70.9	84.8	101.3	120.3	153.2	227.9	307.6	469.7	665.9	828.0
85°	21.5	24.1	32.9	45.6	50.6	58.2	77.2	113.9	186.1	262.1	498.8
87.5°	8.9	11.4	15.2	22.8	25.3	25.3	26.6	34.2	34.2	34.2	136.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
2.5°	165.8	153.2	135.5	131.7	126.6	125.3	124.1	124.1	122.8	124.1	124.1
5°	177.2	187.4	195.0	189.9	140.5	134.2	124.1	122.8	124.1	124.1	130.4
7.5°	160.8	160.8	153.2	176.0	177.2	131.7	121.5	124.1	125.3	126.6	146.9
10°	173.4	220.3	219.0	222.8	254.5	249.4	186.1	182.3	183.6	192.4	254.5
12.5°	308.9	286.1	225.3	235.5	232.9	258.3	198.8	191.2	196.2	244.3	238.0
15°	310.2	355.7	363.3	320.3	303.8	321.6	289.9	276.0	267.1	317.8	273.5
17.5°	368.4	364.6	372.2	343.1	324.1	319.0	349.4	341.8	327.9	305.1	283.6
20°	407.6	435.5	444.4	501.3	467.1	453.2	463.4	436.8	421.6	427.9	426.6
22.5°	500.1	539.3	510.2	521.6	531.7	567.2	554.5	514.0	524.1	526.7	510.2
25°	529.2	593.7	635.5	657.0	664.6	641.9	673.5	626.7	641.9	620.3	635.5
27.5°	655.8	659.6	692.5	684.9	736.8	763.4	762.1	736.8	743.1	755.8	772.3
30°	692.5	706.4	772.3	795.0	824.2	844.4	820.4	830.5	811.5	838.1	841.9
32.5°	807.7	795.0	819.1	915.3	982.4	1016.6	982.4	1002.7	981.1	990.0	945.7
35°	876.1	935.6	952.0	997.6	1048.2	1096.3	1086.2	1082.4	1079.9	1097.6	1005.2
37.5°	1016.6	1029.2	1038.1	1096.3	1141.9	1205.2	1207.8	1193.8	1217.9	1167.2	1087.5
40°	1109.0	1129.3	1140.7	1179.9	1272.3	1323.0	1360.9	1333.1	1367.3	1266.0	1209.0
42.5°	1247.0	1238.1	1258.4	1319.2	1433.1	1463.5	1516.7	1498.9	1550.8	1442.0	1329.3
45°	1428.0	1420.4	1424.2	1463.5	1617.9	1639.5	1692.6	1706.5	1731.9	1596.4	1481.2
47.5°	1631.9	1635.7	1635.7	1674.9	1801.5	1844.5	1905.3	1947.1	1938.2	1761.0	1645.8
50°	1861.0	1878.7	1852.1	1906.6	2001.5	2078.7	2112.9	2202.8	2169.9	1990.1	1862.3
52.5°	2114.2	2143.3	2119.3	2164.8	2254.7	2352.2	2409.2	2494.0	2437.0	2286.4	2061.0
55°	2364.9	2415.5	2443.4	2492.7	2607.9	2700.3	2725.7	2845.9	2766.2	2618.1	2278.8
57.5°	2628.2	2735.8	2835.8	2902.9	3096.6	3204.2	3258.6	3519.4	3422.0	3265.0	2740.9
60°	2968.7	3295.4	3567.5	3718.2	3973.9	4084.1	4301.8	4577.8	4508.2	4276.5	3568.8
62.5°	3527.0	4108.1	4523.4	4717.1	4777.8	4920.9	5124.7	5385.5	5277.9	4743.7	4004.3
64°	3846.1	4501.8	4923.4	5094.3	5008.2	5165.2	5304.5	5504.5	5323.5	4739.9	3937.2
65°	3981.5	4648.7	5052.6	5214.6	5041.2	5170.3	5285.5	5410.8	5184.2	4615.8	3772.6
67.5°	4015.7	4658.8	5019.6	5115.9	4828.5	4790.5	4809.5	4796.8	4493.0	3973.9	3221.9
70°	3501.7	4118.3	4623.4	4746.2	4361.3	4157.5	4147.4	4025.8	3716.9	3308.0	2653.5
72.5°	2704.1	3242.2	3742.3	3908.1	3544.8	3384.0	3346.0	3106.7	2849.7	2471.2	1999.0
75°	1831.9	2267.4	2413.0	2423.1	2131.9	2045.8	1990.1	1773.6	1550.8	1388.8	1172.3
77.5°	1076.1	1255.9	1122.9	988.7	774.8	549.4	408.9	340.6	372.2	370.9	349.4
80°	910.2	854.5	691.2	535.5	384.9	217.7	158.2	134.2	136.7	139.3	136.7
82.5°	978.6	1041.9	883.7	627.9	470.9	277.3	134.2	96.2	110.1	121.5	116.5
85°	829.2	1016.6	947.0	678.6	505.1	291.2	94.9	63.3	81.0	100.0	106.3
87.5°	321.6	469.7	381.1	262.1	176.0	97.5	55.7	45.6	57.0	79.8	87.4
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°	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3	125.3
2.5°	125.3	129.1	135.5	135.5	131.7	135.5	153.2	174.7	187.4	197.5	208.9
5°	130.4	170.9	198.8	202.6	197.5	143.1	132.9	132.9	138.0	143.1	131.7
7.5°	182.3	173.4	121.5	129.1	130.4	131.7	130.4	134.2	135.5	179.8	205.1
10°	207.6	188.6	183.6	153.2	143.1	200.0	200.0	201.3	208.9	210.2	208.9
12.5°	202.6	193.7	195.0	259.5	279.8	267.1	216.5	200.0	208.9	239.3	268.4
15°	270.9	288.6	306.4	268.4	281.0	272.2	320.3	333.0	274.7	270.9	279.8
17.5°	288.6	348.1	350.7	335.5	378.5	338.0	329.2	333.0	327.9	303.8	343.1
20°	476.0	443.1	412.7	378.5	410.2	397.5	389.9	393.7	389.9	391.2	345.6
22.5°	505.1	491.2	517.8	503.9	474.7	443.1	455.8	448.2	406.4	450.7	416.5
25°	657.0	646.9	589.9	525.4	569.7	503.9	473.5	503.9	496.3	462.1	462.1
27.5°	691.2	688.7	678.6	690.0	606.4	571.0	607.7	520.3	525.4	536.8	534.2
30°	800.1	798.8	714.0	724.1	719.1	657.0	633.0	641.9	582.4	572.2	595.0
32.5°	916.6	840.6	817.8	825.4	765.9	725.4	712.8	663.4	640.6	629.2	592.5
35°	967.2	964.7	944.4	872.3	849.5	773.5	762.1	705.2	683.6	676.0	657.0
37.5°	1034.3	1031.8	1010.3	972.3	917.8	828.0	788.7	750.7	702.6	672.2	696.3
40°	1124.2	1105.2	1083.7	1021.7	947.0	865.9	810.2	744.4	714.0	684.9	719.1
42.5°	1283.7	1198.9	1145.7	1067.2	967.2	869.7	807.7	744.4	686.2	677.3	682.4
45°	1424.2	1288.8	1197.6	1096.3	976.1	862.1	783.6	711.5	671.0	636.8	635.5
47.5°	1547.0	1391.3	1245.7	1119.1	971.0	841.9	748.2	671.0	620.3	587.4	572.2
50°	1662.2	1498.9	1295.1	1126.7	949.5	802.6	697.6	615.3	552.0	515.3	511.5
52.5°	1777.4	1574.9	1336.9	1115.3	907.7	743.1	624.1	536.8	468.4	438.0	431.7
55°	1940.8	1617.9	1358.4	1074.8	841.9	662.1	536.8	444.4	376.0	360.8	351.9
57.5°	2283.8	1758.5	1379.9	1011.5	744.4	557.0	434.2	354.5	303.8	288.6	281.0
60°	2835.8	2026.8	1429.3	915.3	611.5	439.3	331.7	265.9	231.7	222.8	219.0
62.5°	3095.3	2097.7	1353.3	769.7	468.4	312.7	232.9	187.4	169.6	167.1	169.6
64°	3013.0	1977.5	1206.5	657.0	373.5	241.8	179.8	149.4	139.3	138.0	143.1
65°	2867.5	1840.7	1095.1	579.8	310.2	200.0	150.7	129.1	121.5	124.1	127.9
67.5°	2368.7	1423.0	741.9	346.9	179.8	122.8	102.5	92.4	93.7	96.2	101.3
70°	1849.6	953.3	403.8	179.8	107.6	83.6	77.2	73.4	76.0	79.8	84.8
72.5°	1268.5	533.0	192.4	102.5	79.8	67.1	65.8	64.6	67.1	70.9	76.0
75°	664.6	222.8	108.9	81.0	69.6	60.8	62.0	60.8	63.3	67.1	70.9
77.5°	210.2	120.3	91.2	74.7	65.8	57.0	58.2	59.5	62.0	64.6	67.1
80°	113.9	100.0	82.3	69.6	62.0	53.2	55.7	57.0	60.8	62.0	62.0
82.5°	103.8	87.4	72.2	63.3	59.5	51.9	57.0	57.0	57.0	57.0	57.0
85°	91.2	70.9	59.5	55.7	55.7	49.4	53.2	53.2	50.6	50.6	48.1
87.5°	70.9	51.9	50.6	55.7	51.9	35.4	45.6	43.0	39.2	39.2	38.0
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):

	165°	170°	175°	180°
0°	125.3	125.3	125.3	125.3
2.5°	207.6	208.9	203.8	203.8
5°	130.4	131.7	130.4	130.4
7.5°	212.7	210.2	217.7	210.2
10°	214.0	207.6	206.4	207.6
12.5°	278.5	278.5	279.8	279.8
15°	278.5	277.3	279.8	278.5
17.5°	349.4	351.9	353.2	351.9
20°	353.2	354.5	364.6	357.0
22.5°	419.0	426.6	426.6	425.4
25°	436.8	492.5	503.9	502.6
27.5°	501.3	507.7	508.9	507.7
30°	571.0	573.5	579.8	577.3
32.5°	601.3	641.9	649.5	646.9
35°	652.0	640.6	667.2	693.8
37.5°	682.4	678.6	684.9	683.6
40°	710.2	716.5	724.1	717.8
42.5°	683.6	679.8	683.6	681.1
45°	629.2	630.5	627.9	625.4
47.5°	560.8	560.8	558.3	558.3
50°	488.7	491.2	481.1	482.3
52.5°	412.7	415.2	407.6	400.1
55°	341.8	343.1	333.0	330.4
57.5°	276.0	279.8	270.9	267.1
60°	219.0	220.3	217.7	217.7
62.5°	173.4	170.9	168.4	169.6
64°	146.9	148.1	144.3	146.9
65°	131.7	134.2	131.7	134.2
67.5°	105.1	108.9	107.6	108.9
70°	89.9	91.2	89.9	89.9
72.5°	79.8	81.0	78.5	77.2
75°	74.7	73.4	72.2	70.9
77.5°	68.4	68.4	65.8	64.6
80°	60.8	59.5	57.0	54.4
82.5°	55.7	53.2	46.8	43.0
85°	46.8	43.0	35.4	27.9
87.5°	38.0	34.2	21.5	11.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)