

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: P179369

Luminaire Tested: **UTLD-E03-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179369
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)
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-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3906.9 lumens
Efficiency: N/A
Efficacy: 52.0 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



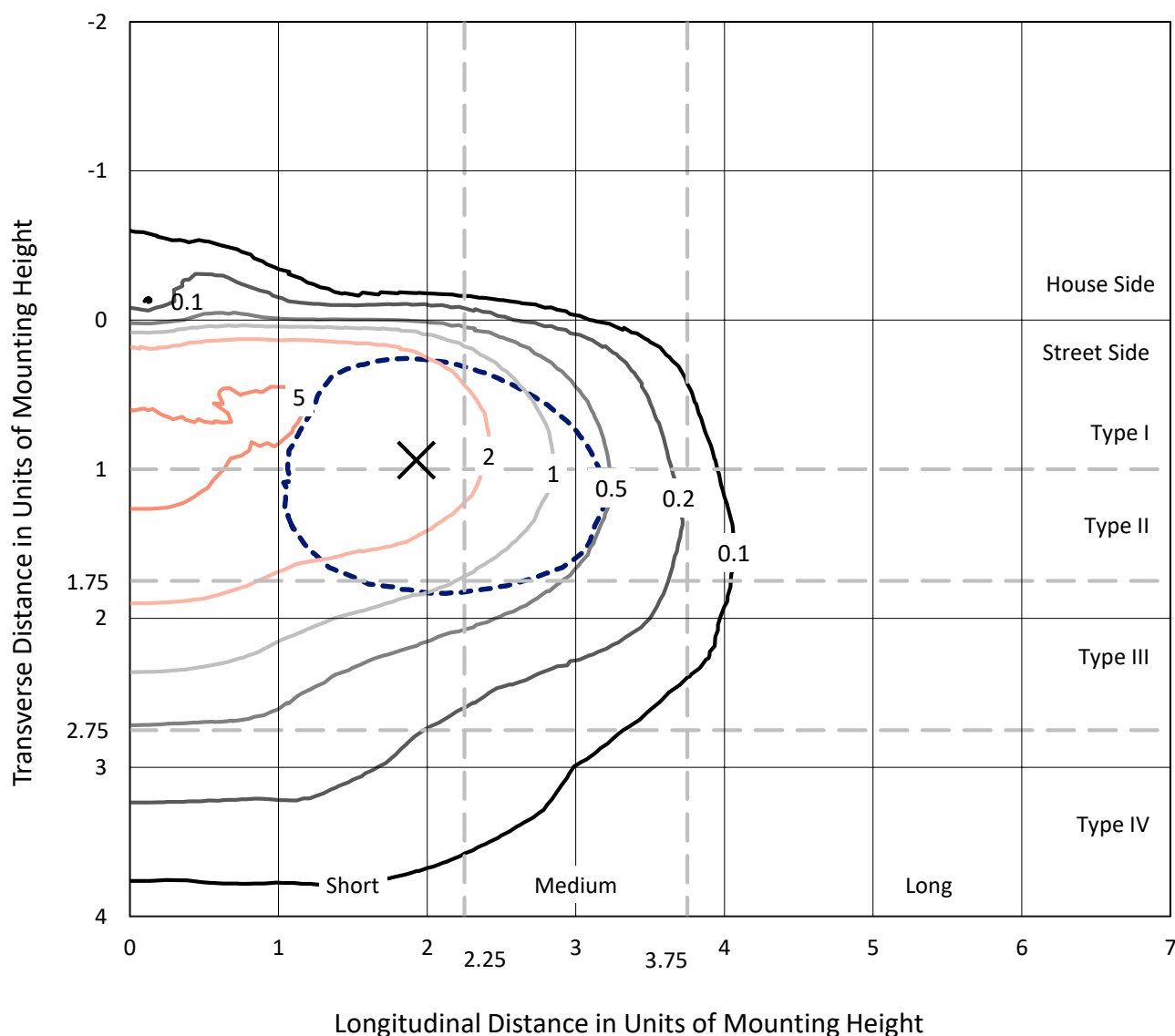
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

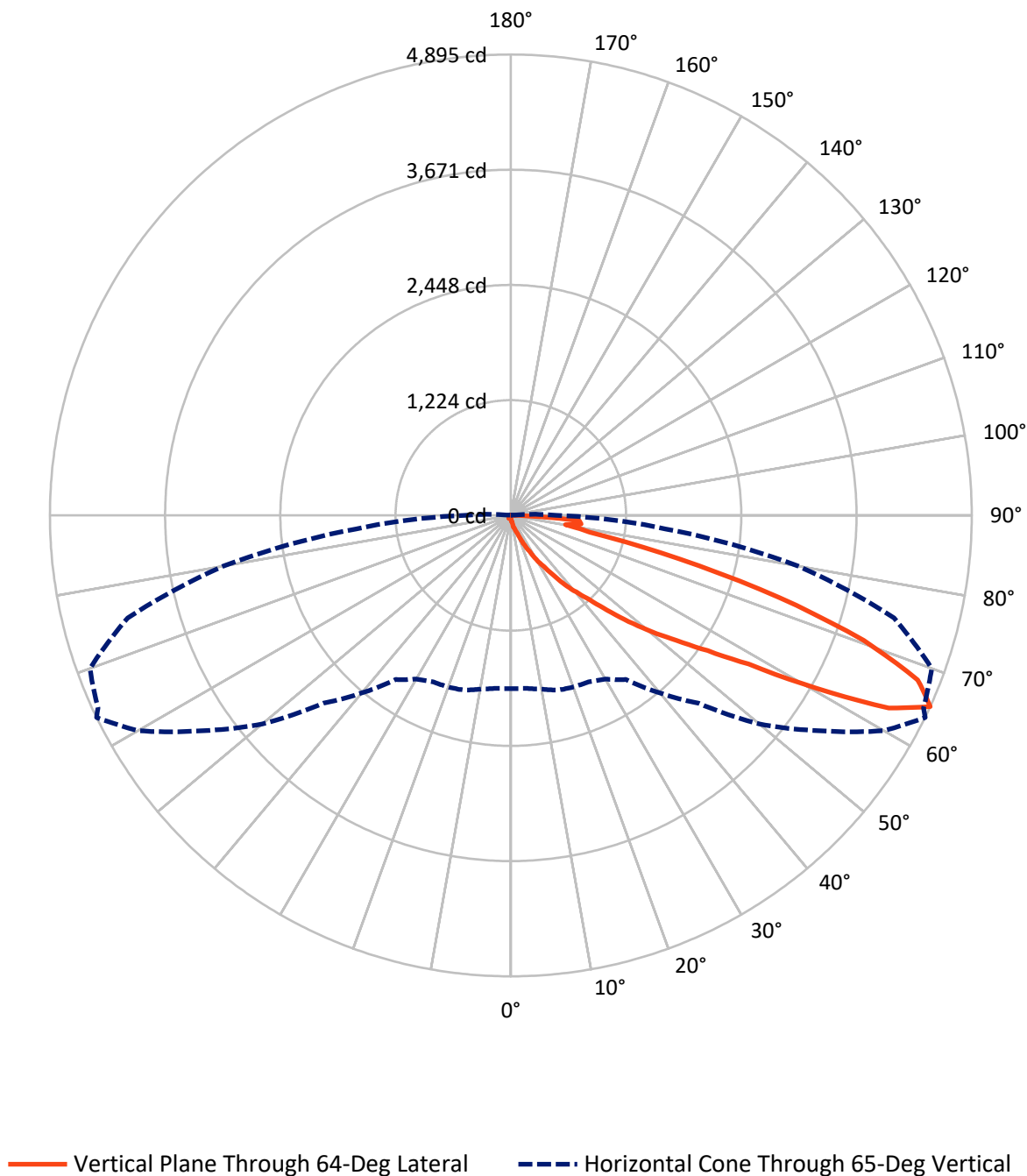


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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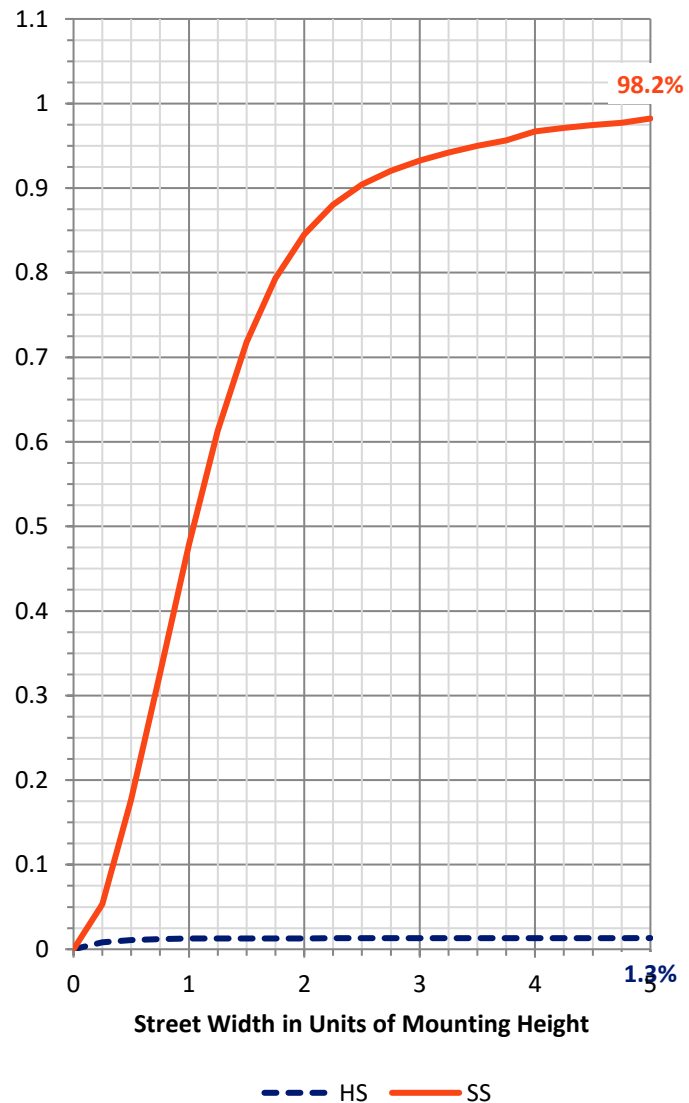
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	53.2	0.0	53.2
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	3853.8	0.0	3853.8
	% Fixture	98.6	0.0	98.6
Total	Lumens	3906.9	0.0	3906.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	33.7	0.9
20°-30°	105.9	2.7
30°-40°	257.2	6.6
40°-50°	545.2	14.0
50°-60°	981.8	25.1
60°-70°	1314.6	33.6
70°-80°	568.2	14.5
80°-90°	95.4	2.4
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°	3906.9	100.0
0°-180°	3906.9	100.0

Coefficient of Utilization



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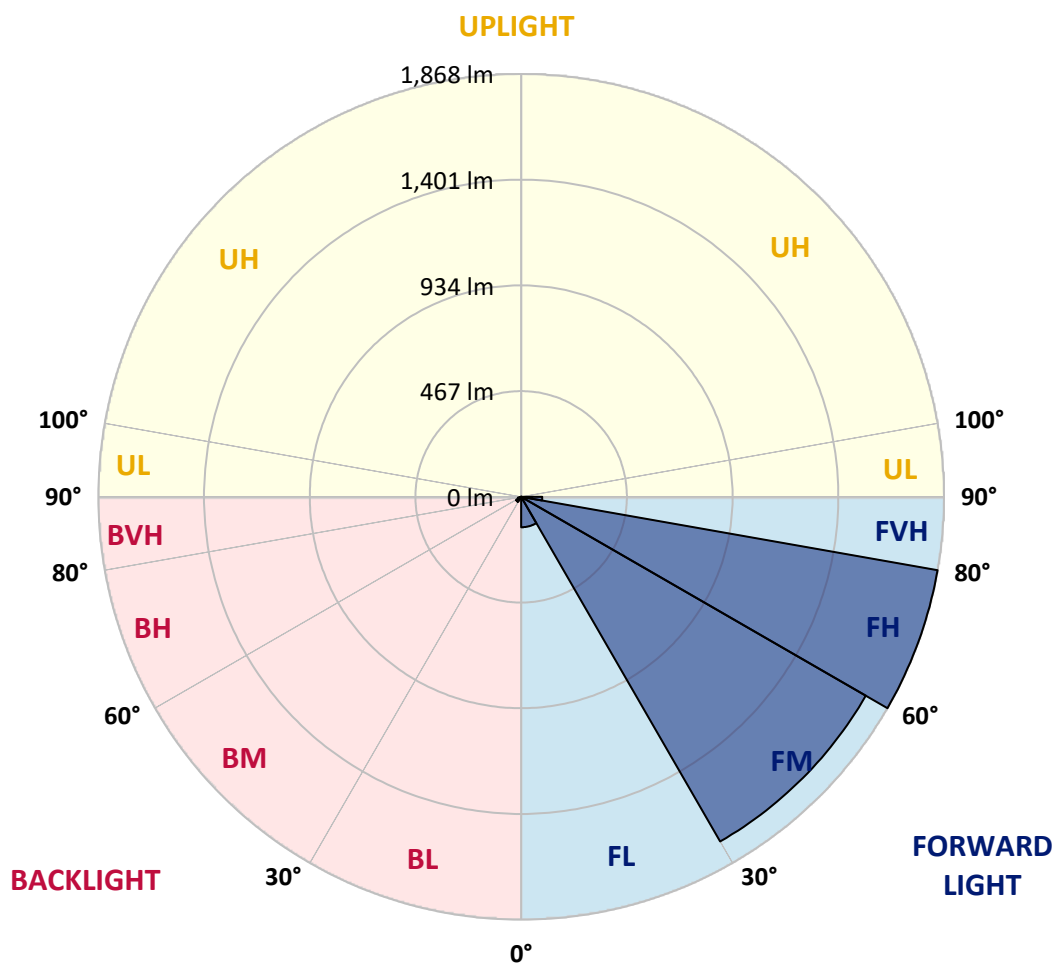
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.4	3.4			
FM	(30°-60°)	1758.1	45.0			
FH	(60°-80°)	1868.1	47.8			G2/5000
FVH	(80°-90°)	93.1	2.4			G1/100
BL	(0°-30°)	10.3	0.3	B0/110		
BM	(30°-60°)	26.0	0.7	B0/220		
BH	(60°-80°)	14.7	0.4	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
2.5°	56.2	56.2	54.8	56.2	54.8	53.4	53.4	52.1	52.1	50.7	50.7
5°	82.2	82.2	80.8	78.1	75.4	74.0	72.6	68.5	67.1	65.8	63.0
7.5°	146.6	146.6	143.9	141.1	139.7	137.0	134.3	128.8	123.3	91.8	79.5
10°	187.7	185.0	182.2	176.7	175.4	168.5	161.7	157.6	152.1	138.4	128.8
12.5°	263.0	261.7	258.9	260.3	252.1	246.6	235.6	226.1	180.8	169.9	165.8
15°	346.6	324.7	304.1	285.0	279.5	274.0	257.6	258.9	269.9	246.6	193.2
17.5°	354.8	356.2	353.5	353.5	345.2	341.1	350.7	304.1	295.9	275.4	260.3
20°	446.6	448.0	445.3	416.5	376.8	363.1	383.6	369.9	369.9	337.0	316.5
22.5°	467.2	471.3	467.2	465.8	456.2	479.5	464.4	401.4	424.7	395.9	380.9
25°	567.2	569.9	568.6	556.2	574.0	504.2	493.2	523.3	494.6	460.3	475.4
27.5°	674.1	671.3	609.7	589.1	597.3	589.1	620.6	569.9	596.0	563.1	539.8
30°	724.7	728.9	723.4	700.1	700.1	722.0	665.8	686.4	667.2	617.9	700.1
32.5°	871.3	876.8	860.4	856.3	793.2	771.3	752.1	772.7	724.7	760.4	780.9
35°	1044.0	1046.7	1022.0	916.5	915.2	889.1	885.0	837.1	861.7	834.3	911.1
37.5°	1187.8	1181.0	1141.2	1090.5	1093.3	1039.8	983.7	987.8	948.1	950.8	1023.4
40°	1378.2	1375.5	1346.7	1305.6	1245.4	1178.2	1144.0	1127.5	1096.0	1074.1	1142.6
42.5°	1555.0	1572.8	1560.5	1507.0	1418.0	1387.8	1305.6	1272.8	1263.2	1227.5	1283.7
45°	1774.2	1772.8	1771.4	1718.0	1660.5	1597.4	1475.5	1457.7	1441.3	1437.2	1498.8
47.5°	1938.6	1940.0	1945.4	1909.8	1870.1	1781.0	1660.5	1656.4	1666.0	1656.4	1734.5
50°	2049.6	2061.9	2082.4	2074.2	2020.8	1960.5	1885.2	1871.5	1883.8	1878.3	2003.0
52.5°	2123.5	2138.6	2163.3	2178.3	2120.8	2094.8	2063.3	2045.4	2104.4	2105.7	2248.2
55°	2152.3	2168.8	2193.4	2223.6	2179.7	2185.2	2172.9	2170.1	2264.7	2286.6	2474.3
57.5°	2129.0	2144.1	2171.5	2208.5	2196.2	2241.4	2215.3	2227.7	2374.3	2431.8	2674.3
60°	2067.4	2081.1	2111.2	2172.9	2156.4	2209.9	2197.5	2256.4	2446.9	2574.3	2905.8
62.5°	1964.6	1981.1	2013.9	2072.8	2081.1	2127.6	2140.0	2240.0	2496.2	2718.1	3215.4
65°	1838.6	1842.7	1872.8	1920.8	1940.0	1949.5	2005.7	2127.6	2459.2	2819.5	3447.0
67.5°	1648.1	1657.7	1676.9	1705.7	1720.8	1670.1	1716.6	1842.7	2175.6	2607.2	3275.7
70°	1168.6	1167.3	1209.7	1333.0	1370.0	1256.3	1253.6	1331.7	1604.3	2016.7	2620.9
72.5°	797.4	806.9	826.1	864.5	982.3	946.7	934.4	893.3	1000.1	1228.9	1731.7
75°	606.9	611.0	690.5	754.9	834.3	871.3	894.6	845.3	805.6	770.0	991.9
77.5°	206.9	224.7	263.0	360.3	563.1	686.4	763.1	834.3	882.3	845.3	819.3
80°	45.2	46.6	52.1	69.9	197.3	354.8	445.3	568.6	708.3	787.8	856.3
82.5°	19.2	20.6	24.7	30.1	46.6	131.5	185.0	213.7	289.1	382.2	623.4
85°	6.9	6.9	8.2	11.0	17.8	32.9	49.3	53.4	82.2	120.6	204.1
87.5°	2.7	2.7	2.7	4.1	5.5	8.2	9.6	11.0	13.7	28.8	68.5
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°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
2.5°	50.7	49.3	49.3	49.3	48.0	43.8	41.1	35.6	32.9	30.1	28.8
5°	60.3	56.2	53.4	53.4	49.3	48.0	46.6	39.7	31.5	27.4	24.7
7.5°	72.6	67.1	63.0	61.7	56.2	49.3	46.6	42.5	31.5	26.0	23.3
10°	121.9	86.3	79.5	76.7	68.5	60.3	54.8	52.1	38.4	30.1	27.4
12.5°	154.8	137.0	123.3	108.2	80.8	72.6	61.7	52.1	39.7	30.1	24.7
15°	179.5	160.3	141.1	139.7	115.1	93.2	75.4	65.8	46.6	38.4	31.5
17.5°	258.9	200.0	174.0	172.6	146.6	102.8	86.3	64.4	50.7	37.0	30.1
20°	294.6	250.7	209.6	216.5	190.4	150.7	109.6	83.6	60.3	49.3	39.7
22.5°	378.1	339.8	293.2	263.0	220.6	178.1	120.6	93.2	68.5	50.7	41.1
25°	438.4	389.1	371.3	367.2	304.1	239.8	160.3	109.6	76.7	56.2	49.3
27.5°	542.5	505.5	445.3	438.4	346.6	263.0	201.4	130.2	84.9	61.7	52.1
30°	611.0	583.6	563.1	548.0	434.3	316.5	228.8	148.0	91.8	64.4	53.4
32.5°	745.3	693.2	648.0	624.7	550.8	400.0	276.7	169.9	100.0	68.5	58.9
35°	854.9	849.4	783.7	778.2	671.3	511.0	337.0	198.7	104.1	69.9	57.5
37.5°	998.7	967.2	935.7	919.3	819.3	627.5	412.4	243.9	121.9	72.6	57.5
40°	1113.8	1082.3	1070.0	1054.9	923.4	741.2	509.6	265.8	124.7	74.0	56.2
42.5°	1260.4	1211.1	1222.1	1205.6	1065.9	893.3	606.9	317.8	134.3	74.0	53.4
45°	1446.7	1420.7	1433.0	1405.6	1267.3	1087.8	708.3	369.9	148.0	72.6	49.3
47.5°	1685.1	1670.1	1683.8	1635.8	1530.3	1344.0	920.7	464.4	165.8	71.2	46.6
50°	1938.6	1960.5	1941.3	1896.1	1850.9	1618.0	1168.6	580.9	191.8	68.5	43.8
52.5°	2235.9	2238.6	2204.4	2203.0	2204.4	1975.6	1427.6	720.6	224.7	65.8	41.1
55°	2518.1	2552.4	2534.5	2555.1	2586.6	2429.1	1745.4	880.9	269.9	61.7	38.4
57.5°	2807.2	2929.1	2978.4	3042.8	3103.1	3016.8	2174.2	1113.8	324.7	57.5	35.6
60°	3181.2	3512.7	3723.7	3801.8	3852.5	3675.8	2730.5	1411.1	404.2	53.4	31.5
62.5°	3664.8	4195.0	4506.0	4596.4	4527.9	4158.0	3053.8	1633.1	468.5	50.7	27.4
65°	3984.0	4571.8	4895.1	4837.6	4756.7	4212.8	3099.0	1653.6	482.2	45.2	24.7
67.5°	3795.0	4337.5	4660.8	4574.5	4515.6	3938.8	2778.4	1523.5	449.4	38.4	21.9
70°	3144.2	3693.6	3977.2	3905.9	3948.4	3342.9	2272.9	1290.6	398.7	32.9	19.2
72.5°	2259.2	2690.7	2981.2	2937.3	3051.0	2403.0	1674.2	1015.2	331.5	27.4	16.4
75°	1379.6	1775.6	1845.4	1778.3	1697.5	1226.2	808.3	552.1	213.7	20.6	12.3
77.5°	843.9	968.6	854.9	865.9	682.3	306.9	152.1	113.7	60.3	16.4	8.2
80°	804.2	727.5	587.7	571.3	393.2	119.2	67.1	50.7	26.0	12.3	6.9
82.5°	839.8	880.9	752.1	696.0	416.5	105.5	54.8	41.1	20.6	9.6	5.5
85°	348.0	785.0	728.9	664.5	385.0	82.2	43.8	30.1	13.7	6.9	5.5
87.5°	135.6	224.7	206.9	185.0	121.9	41.1	34.3	24.7	9.6	5.5	5.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
2.5°	27.4	26.0	24.7	24.7	23.3	23.3	21.9	21.9	21.9	21.9	21.9
5°	23.3	21.9	20.6	19.2	17.8	17.8	19.2	20.6	20.6	21.9	20.6
7.5°	20.6	19.2	16.4	17.8	17.8	15.1	11.0	9.6	9.6	11.0	11.0
10°	21.9	19.2	20.6	12.3	9.6	8.2	9.6	9.6	9.6	12.3	15.1
12.5°	21.9	23.3	16.4	15.1	13.7	12.3	15.1	13.7	12.3	13.7	13.7
15°	28.8	20.6	17.8	15.1	16.4	17.8	16.4	15.1	13.7	13.7	15.1
17.5°	24.7	21.9	20.6	23.3	21.9	17.8	16.4	17.8	17.8	16.4	15.1
20°	32.9	28.8	27.4	23.3	20.6	20.6	20.6	17.8	16.4	16.4	17.8
22.5°	37.0	31.5	31.5	28.8	26.0	20.6	20.6	19.2	19.2	17.8	16.4
25°	43.8	41.1	35.6	28.8	27.4	24.7	23.3	19.2	19.2	17.8	17.8
27.5°	46.6	41.1	35.6	32.9	28.8	23.3	23.3	19.2	17.8	17.8	16.4
30°	49.3	42.5	37.0	32.9	28.8	24.7	23.3	19.2	17.8	16.4	16.4
32.5°	52.1	43.8	35.6	31.5	27.4	23.3	21.9	19.2	16.4	15.1	15.1
35°	49.3	41.1	35.6	31.5	26.0	21.9	20.6	17.8	15.1	15.1	13.7
37.5°	46.6	38.4	32.9	28.8	24.7	20.6	17.8	15.1	13.7	12.3	12.3
40°	43.8	35.6	30.1	26.0	21.9	19.2	16.4	12.3	11.0	9.6	9.6
42.5°	39.7	32.9	27.4	23.3	19.2	15.1	13.7	11.0	8.2	6.9	6.9
45°	38.4	30.1	24.7	20.6	16.4	13.7	11.0	8.2	5.5	4.1	4.1
47.5°	35.6	27.4	21.9	17.8	13.7	11.0	8.2	5.5	4.1	2.7	2.7
50°	32.9	26.0	19.2	15.1	11.0	8.2	5.5	4.1	2.7	1.4	1.4
52.5°	30.1	23.3	16.4	12.3	9.6	6.9	4.1	2.7	1.4	1.4	0.0
55°	27.4	19.2	15.1	11.0	6.9	4.1	2.7	1.4	1.4	0.0	0.0
57.5°	23.3	16.4	12.3	8.2	5.5	2.7	1.4	1.4	1.4	0.0	0.0
60°	20.6	13.7	9.6	6.9	4.1	2.7	1.4	1.4	0.0	0.0	0.0
62.5°	17.8	12.3	8.2	5.5	2.7	1.4	1.4	1.4	0.0	0.0	0.0
65°	15.1	9.6	6.9	4.1	2.7	1.4	1.4	1.4	1.4	0.0	0.0
67.5°	13.7	8.2	5.5	4.1	2.7	1.4	1.4	1.4	1.4	1.4	0.0
70°	12.3	6.9	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	9.6	5.5	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4
75°	6.9	4.1	2.7	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
77.5°	5.5	4.1	2.7	2.7	2.7	2.7	1.4	2.7	2.7	2.7	2.7
80°	4.1	2.7	2.7	4.1	4.1	4.1	1.4	2.7	2.7	2.7	2.7
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	1.4	4.1	4.1	4.1	2.7
85°	4.1	4.1	4.1	4.1	5.5	5.5	1.4	5.5	5.5	4.1	4.1
87.5°	5.5	4.1	5.5	5.5	5.5	6.9	1.4	5.5	5.5	5.5	5.5
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):

	160°	165°	170°	175°	180°
0°	34.3	34.3	34.3	34.3	34.3
2.5°	21.9	23.3	23.3	23.3	23.3
5°	19.2	17.8	17.8	17.8	17.8
7.5°	11.0	11.0	12.3	12.3	12.3
10°	16.4	16.4	16.4	16.4	16.4
12.5°	13.7	15.1	15.1	15.1	15.1
15°	16.4	16.4	17.8	17.8	17.8
17.5°	15.1	15.1	16.4	16.4	16.4
20°	16.4	17.8	17.8	17.8	17.8
22.5°	15.1	15.1	17.8	17.8	19.2
25°	17.8	16.4	16.4	17.8	16.4
27.5°	16.4	16.4	17.8	17.8	17.8
30°	16.4	15.1	15.1	16.4	16.4
32.5°	15.1	15.1	15.1	15.1	15.1
35°	13.7	13.7	15.1	15.1	15.1
37.5°	12.3	11.0	12.3	12.3	12.3
40°	9.6	9.6	9.6	11.0	11.0
42.5°	6.9	6.9	6.9	6.9	6.9
45°	4.1	4.1	4.1	4.1	4.1
47.5°	2.7	1.4	2.7	2.7	2.7
50°	1.4	1.4	1.4	1.4	1.4
52.5°	0.0	1.4	1.4	1.4	1.4
55°	0.0	1.4	1.4	1.4	1.4
57.5°	0.0	0.0	1.4	1.4	1.4
60°	0.0	0.0	1.4	1.4	1.4
62.5°	0.0	0.0	1.4	1.4	1.4
65°	0.0	1.4	1.4	1.4	1.4
67.5°	0.0	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	2.7	1.4	1.4
77.5°	2.7	2.7	2.7	2.7	1.4
80°	2.7	2.7	2.7	2.7	1.4
82.5°	2.7	2.7	4.1	2.7	1.4
85°	4.1	4.1	4.1	4.1	1.4
87.5°	4.1	4.1	5.5	5.5	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)