

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: P179377

Luminaire Tested: **UTLD-F03-LED-E-U-T3-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179377
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-F03-LED-E-U-T3-HSS-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3623.4 lumens
Efficiency: N/A
Efficacy: 46.3 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 - G1

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

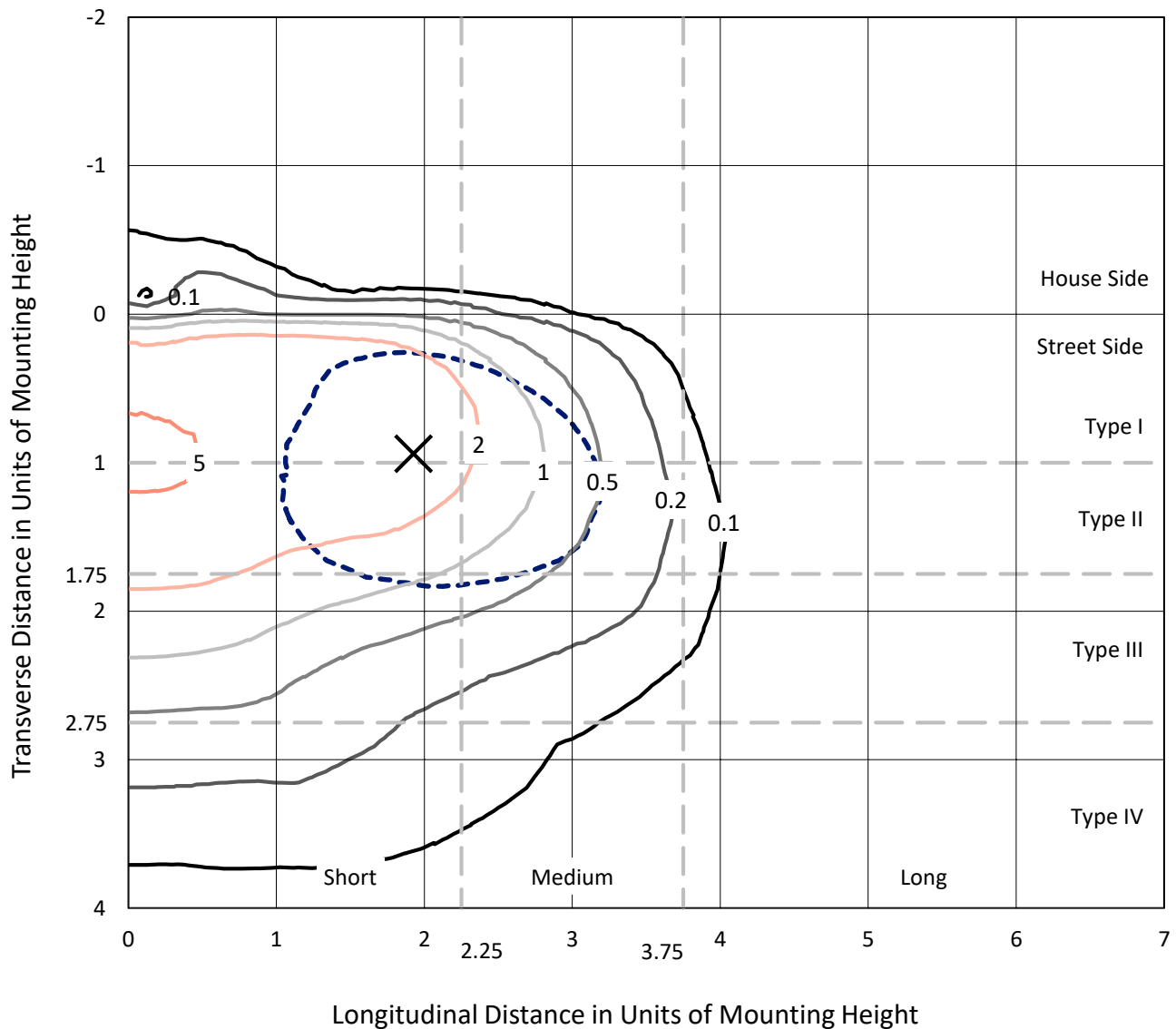


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

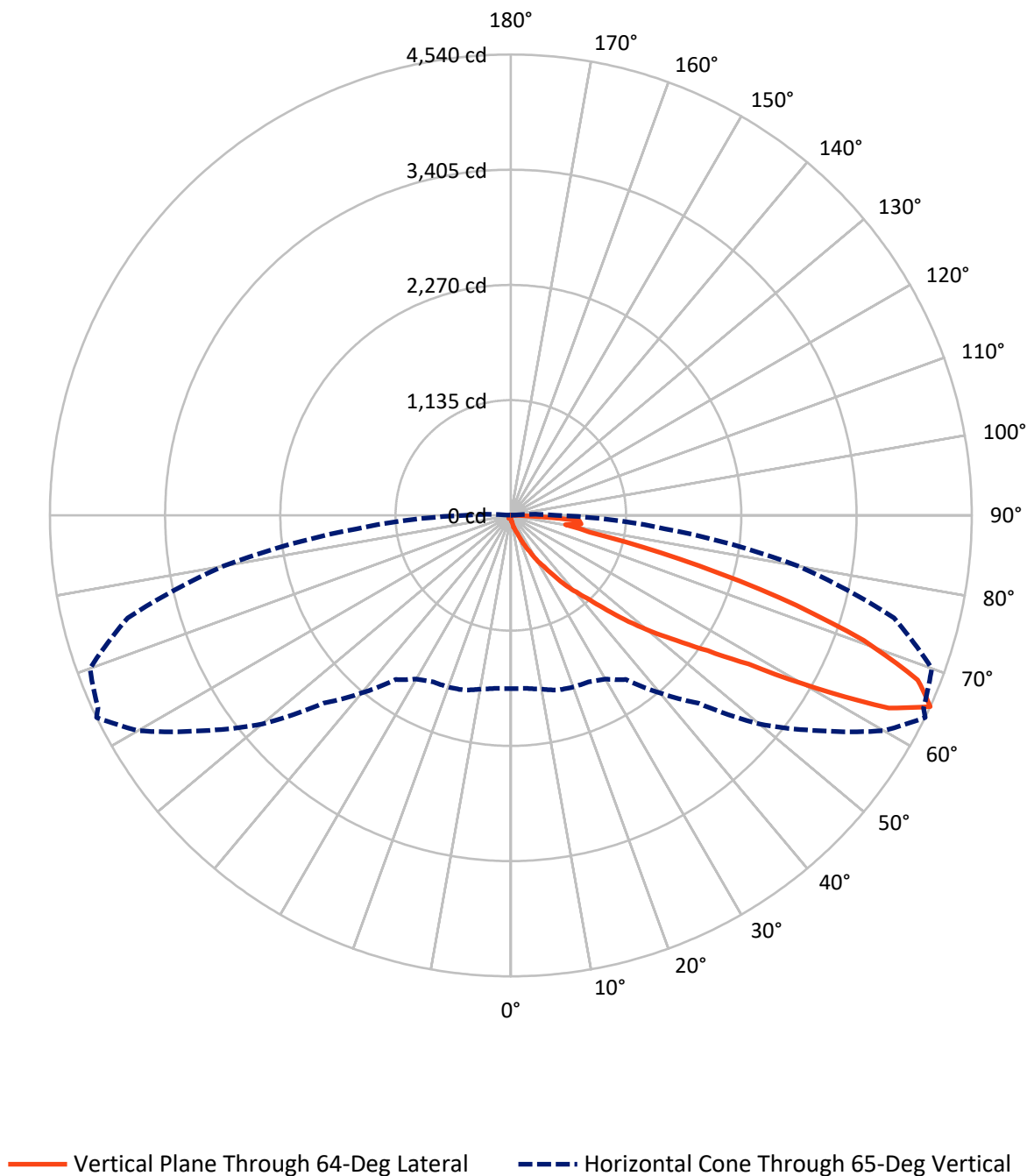


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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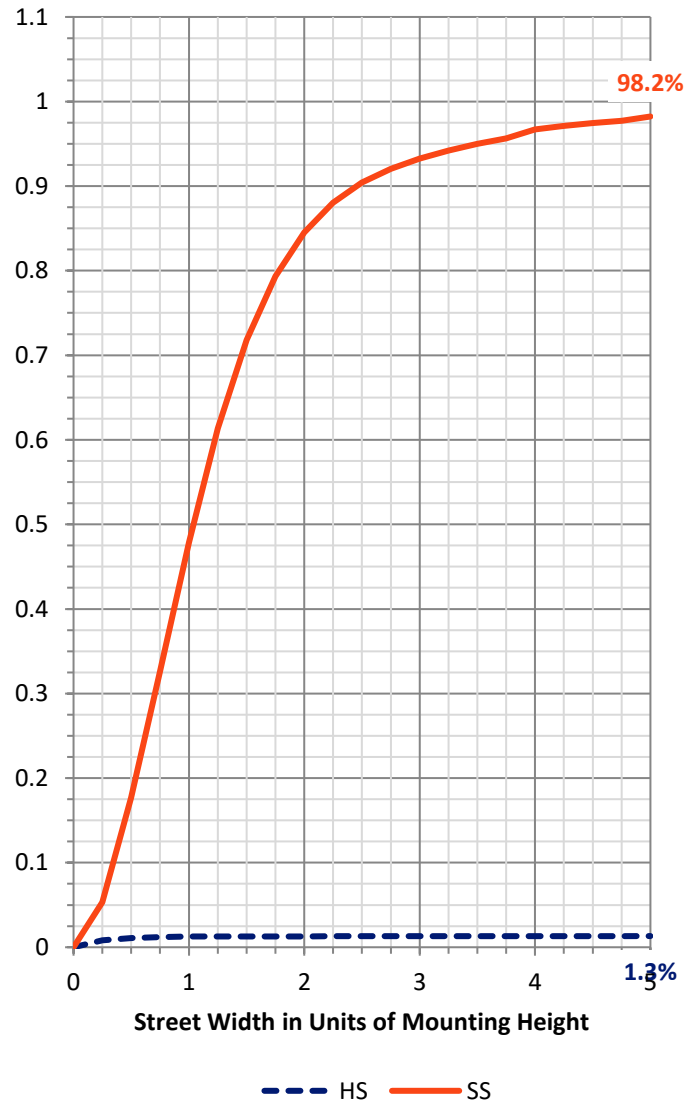
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.3	0.0	49.3
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	3574.1	0.0	3574.1
	% Fixture	98.6	0.0	98.6
Total	Lumens	3623.4	0.0	3623.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	31.3	0.9
20°-30°	98.3	2.7
30°-40°	238.5	6.6
40°-50°	505.6	14.0
50°-60°	910.5	25.1
60°-70°	1219.2	33.6
70°-80°	527.0	14.5
80°-90°	88.4	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°	3623.4	100.0
0°-180°	3623.4	100.0

Coefficient of Utilization



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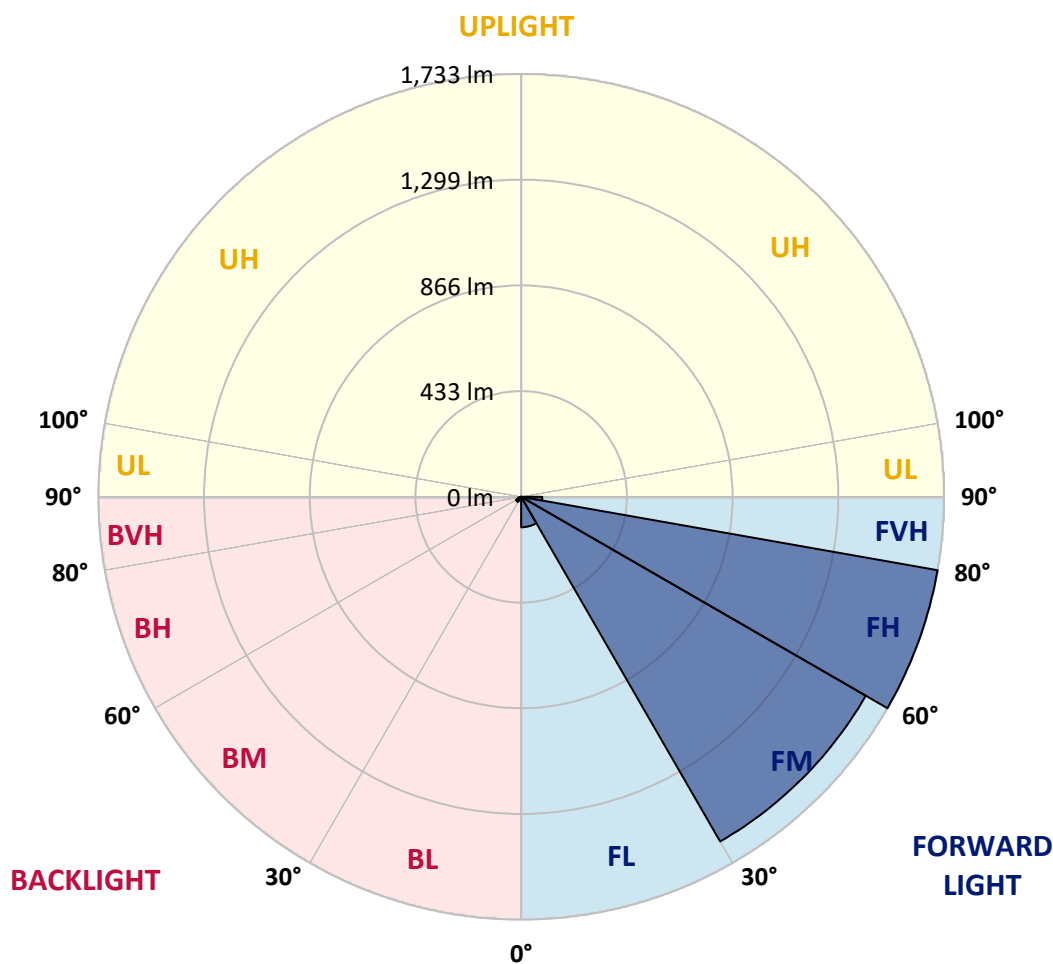
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.7	3.4			
FM	(30°-60°)	1630.5	45.0			
FH	(60°-80°)	1732.5	47.8			G1/1800
FVH	(80°-90°)	86.4	2.4			G1/100
BL	(0°-30°)	9.5	0.3	B0/110		
BM	(30°-60°)	24.1	0.7	B0/220		
BH	(60°-80°)	13.6	0.4	B0/110		G0/110
BVH	(80°-90°)	2.1	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
2.5°	52.1	52.1	50.8	52.1	50.8	49.6	49.6	48.3	48.3	47.0	47.0
5°	76.2	76.2	75.0	72.4	69.9	68.6	67.3	63.5	62.3	61.0	58.4
7.5°	136.0	136.0	133.4	130.9	129.6	127.1	124.5	119.4	114.4	85.1	73.7
10°	174.1	171.5	169.0	163.9	162.6	156.3	149.9	146.1	141.0	128.3	119.4
12.5°	244.0	242.7	240.1	241.4	233.8	228.7	218.5	209.7	167.7	157.6	153.7
15°	321.5	301.1	282.1	264.3	259.2	254.1	238.9	240.1	250.3	228.7	179.2
17.5°	329.1	330.4	327.8	327.8	320.2	316.4	325.3	282.1	274.5	255.4	241.4
20°	414.2	415.5	412.9	386.3	349.4	336.7	355.8	343.1	343.1	312.6	293.5
22.5°	433.3	437.1	433.3	432.0	423.1	444.7	430.7	372.3	393.9	367.2	353.2
25°	526.0	528.6	527.3	515.9	532.4	467.6	457.4	485.4	458.7	426.9	440.9
27.5°	625.1	622.6	565.4	546.4	554.0	546.4	575.6	528.6	552.7	522.2	500.6
30°	672.2	676.0	670.9	649.3	649.3	669.6	617.5	636.6	618.8	573.0	649.3
32.5°	808.1	813.2	797.9	794.1	735.7	715.4	697.6	716.6	672.2	705.2	724.2
35°	968.2	970.7	947.9	850.0	848.8	824.6	820.8	776.3	799.2	773.8	845.0
37.5°	1101.6	1095.3	1058.4	1011.4	1013.9	964.4	912.3	916.1	879.3	881.8	949.1
40°	1278.2	1275.7	1249.0	1210.9	1155.0	1092.7	1061.0	1045.7	1016.5	996.2	1059.7
42.5°	1442.1	1458.7	1447.2	1397.7	1315.1	1287.1	1210.9	1180.4	1171.5	1138.5	1190.6
45°	1645.4	1644.2	1642.9	1593.3	1540.0	1481.5	1368.5	1351.9	1336.7	1332.9	1390.1
47.5°	1797.9	1799.2	1804.3	1771.2	1734.4	1651.8	1540.0	1536.2	1545.1	1536.2	1608.6
50°	1900.8	1912.3	1931.3	1923.7	1874.2	1818.2	1748.4	1735.7	1747.1	1742.0	1857.6
52.5°	1969.5	1983.4	2006.3	2020.3	1966.9	1942.8	1913.5	1897.0	1951.7	1952.9	2085.1
55°	1996.1	2011.4	2034.3	2062.2	2021.5	2026.6	2015.2	2012.7	2100.3	2120.7	2294.7
57.5°	1974.5	1988.5	2013.9	2048.2	2036.8	2078.7	2054.6	2066.0	2202.0	2255.3	2480.2
60°	1917.4	1930.1	1958.0	2015.2	1999.9	2049.5	2038.1	2092.7	2269.3	2387.5	2695.0
62.5°	1822.1	1837.3	1867.8	1922.4	1930.1	1973.3	1984.7	2077.5	2315.1	2520.9	2982.1
65°	1705.2	1709.0	1736.9	1781.4	1799.2	1808.1	1860.2	1973.3	2280.8	2614.9	3196.9
67.5°	1528.5	1537.4	1555.2	1581.9	1595.9	1548.9	1592.1	1709.0	2017.7	2418.0	3038.0
70°	1083.8	1082.6	1122.0	1236.3	1270.6	1165.2	1162.6	1235.0	1487.9	1870.3	2430.7
72.5°	739.5	748.4	766.2	801.8	911.0	878.0	866.6	828.4	927.5	1139.7	1606.1
75°	562.9	566.7	640.4	700.1	773.8	808.1	829.7	784.0	747.1	714.1	919.9
77.5°	191.9	208.4	244.0	334.2	522.2	636.6	707.7	773.8	818.3	784.0	759.8
80°	41.9	43.2	48.3	64.8	183.0	329.1	412.9	527.3	656.9	730.6	794.1
82.5°	17.8	19.1	22.9	28.0	43.2	122.0	171.5	198.2	268.1	354.5	578.1
85°	6.4	6.4	7.6	10.2	16.5	30.5	45.7	49.6	76.2	111.8	189.3
87.5°	2.5	2.5	2.5	3.8	5.1	7.6	8.9	10.2	12.7	26.7	63.5
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°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
2.5°	47.0	45.7	45.7	45.7	44.5	40.7	38.1	33.0	30.5	28.0	26.7
5°	55.9	52.1	49.6	49.6	45.7	44.5	43.2	36.8	29.2	25.4	22.9
7.5°	67.3	62.3	58.4	57.2	52.1	45.7	43.2	39.4	29.2	24.1	21.6
10°	113.1	80.0	73.7	71.2	63.5	55.9	50.8	48.3	35.6	28.0	25.4
12.5°	143.6	127.1	114.4	100.4	75.0	67.3	57.2	48.3	36.8	28.0	22.9
15°	166.5	148.7	130.9	129.6	106.7	86.4	69.9	61.0	43.2	35.6	29.2
17.5°	240.1	185.5	161.4	160.1	136.0	95.3	80.0	59.7	47.0	34.3	28.0
20°	273.2	232.5	194.4	200.8	176.6	139.8	101.6	77.5	55.9	45.7	36.8
22.5°	350.7	315.1	271.9	244.0	204.6	165.2	111.8	86.4	63.5	47.0	38.1
25°	406.6	360.9	344.3	340.5	282.1	222.4	148.7	101.6	71.2	52.1	45.7
27.5°	503.2	468.9	412.9	406.6	321.5	244.0	186.8	120.7	78.8	57.2	48.3
30°	566.7	541.3	522.2	508.2	402.8	293.5	212.2	137.2	85.1	59.7	49.6
32.5°	691.2	642.9	601.0	579.4	510.8	371.0	256.7	157.6	92.8	63.5	54.6
35°	792.9	787.8	726.8	721.7	622.6	473.9	312.6	184.2	96.6	64.8	53.4
37.5°	926.3	897.1	867.8	852.6	759.8	581.9	382.5	226.2	113.1	67.3	53.4
40°	1033.0	1003.8	992.3	978.4	856.4	687.4	472.7	246.5	115.6	68.6	52.1
42.5°	1169.0	1123.2	1133.4	1118.1	988.5	828.4	562.9	294.8	124.5	68.6	49.6
45°	1341.8	1317.6	1329.1	1303.6	1175.3	1008.9	656.9	343.1	137.2	67.3	45.7
47.5°	1562.9	1548.9	1561.6	1517.1	1419.3	1246.5	853.9	430.7	153.7	66.1	43.2
50°	1797.9	1818.2	1800.5	1758.5	1716.6	1500.6	1083.8	538.7	177.9	63.5	40.7
52.5°	2073.6	2076.2	2044.4	2043.1	2044.4	1832.2	1324.0	668.3	208.4	61.0	38.1
55°	2335.4	2367.2	2350.6	2369.7	2398.9	2252.8	1618.8	817.0	250.3	57.2	35.6
57.5°	2603.5	2716.6	2762.3	2822.0	2877.9	2797.9	2016.5	1033.0	301.1	53.4	33.0
60°	2950.4	3257.9	3453.5	3526.0	3573.0	3409.1	2532.3	1308.7	374.8	49.6	29.2
62.5°	3398.9	3890.6	4179.0	4262.9	4199.4	3856.3	2832.2	1514.6	434.5	47.0	25.4
65°	3694.9	4240.0	4539.9	4486.5	4411.6	3907.1	2874.1	1533.6	447.3	41.9	22.9
67.5°	3519.6	4022.8	4322.6	4242.6	4187.9	3653.0	2576.8	1412.9	416.8	35.6	20.3
70°	2916.1	3425.6	3688.6	3622.5	3661.9	3100.3	2107.9	1196.9	369.7	30.5	17.8
72.5°	2095.2	2495.5	2764.9	2724.2	2829.7	2228.7	1552.7	941.5	307.5	25.4	15.2
75°	1279.5	1646.7	1711.5	1649.3	1574.3	1137.2	749.7	512.1	198.2	19.1	11.4
77.5°	782.7	898.3	792.9	803.0	632.8	284.6	141.0	105.5	55.9	15.2	7.6
80°	745.9	674.7	545.1	529.8	364.7	110.5	62.3	47.0	24.1	11.4	6.4
82.5°	778.9	817.0	697.6	645.5	386.3	97.8	50.8	38.1	19.1	8.9	5.1
85°	322.7	728.1	676.0	616.2	357.0	76.2	40.7	28.0	12.7	6.4	5.1
87.5°	125.8	208.4	191.9	171.5	113.1	38.1	31.8	22.9	8.9	5.1	5.1
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°	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
2.5°	25.4	24.1	22.9	22.9	21.6	21.6	20.3	20.3	20.3	20.3	20.3
5°	21.6	20.3	19.1	17.8	16.5	16.5	17.8	19.1	19.1	20.3	19.1
7.5°	19.1	17.8	15.2	16.5	16.5	14.0	10.2	8.9	8.9	10.2	10.2
10°	20.3	17.8	19.1	11.4	8.9	7.6	8.9	8.9	8.9	11.4	14.0
12.5°	20.3	21.6	15.2	14.0	12.7	11.4	14.0	12.7	11.4	12.7	12.7
15°	26.7	19.1	16.5	14.0	15.2	16.5	15.2	14.0	12.7	12.7	14.0
17.5°	22.9	20.3	19.1	21.6	20.3	16.5	15.2	16.5	16.5	15.2	14.0
20°	30.5	26.7	25.4	21.6	19.1	19.1	19.1	16.5	15.2	15.2	16.5
22.5°	34.3	29.2	29.2	26.7	24.1	19.1	19.1	17.8	17.8	16.5	15.2
25°	40.7	38.1	33.0	26.7	25.4	22.9	21.6	17.8	17.8	16.5	16.5
27.5°	43.2	38.1	33.0	30.5	26.7	21.6	21.6	17.8	16.5	16.5	15.2
30°	45.7	39.4	34.3	30.5	26.7	22.9	21.6	17.8	16.5	15.2	15.2
32.5°	48.3	40.7	33.0	29.2	25.4	21.6	20.3	17.8	15.2	14.0	14.0
35°	45.7	38.1	33.0	29.2	24.1	20.3	19.1	16.5	14.0	14.0	12.7
37.5°	43.2	35.6	30.5	26.7	22.9	19.1	16.5	14.0	12.7	11.4	11.4
40°	40.7	33.0	28.0	24.1	20.3	17.8	15.2	11.4	10.2	8.9	8.9
42.5°	36.8	30.5	25.4	21.6	17.8	14.0	12.7	10.2	7.6	6.4	6.4
45°	35.6	28.0	22.9	19.1	15.2	12.7	10.2	7.6	5.1	3.8	3.8
47.5°	33.0	25.4	20.3	16.5	12.7	10.2	7.6	5.1	3.8	2.5	2.5
50°	30.5	24.1	17.8	14.0	10.2	7.6	5.1	3.8	2.5	1.3	1.3
52.5°	28.0	21.6	15.2	11.4	8.9	6.4	3.8	2.5	1.3	1.3	0.0
55°	25.4	17.8	14.0	10.2	6.4	3.8	2.5	1.3	1.3	0.0	0.0
57.5°	21.6	15.2	11.4	7.6	5.1	2.5	1.3	1.3	1.3	0.0	0.0
60°	19.1	12.7	8.9	6.4	3.8	2.5	1.3	1.3	0.0	0.0	0.0
62.5°	16.5	11.4	7.6	5.1	2.5	1.3	1.3	1.3	0.0	0.0	0.0
65°	14.0	8.9	6.4	3.8	2.5	1.3	1.3	1.3	1.3	0.0	0.0
67.5°	12.7	7.6	5.1	3.8	2.5	1.3	1.3	1.3	1.3	1.3	0.0
70°	11.4	6.4	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	8.9	5.1	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
75°	6.4	3.8	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
77.5°	5.1	3.8	2.5	2.5	2.5	2.5	1.3	2.5	2.5	2.5	2.5
80°	3.8	2.5	2.5	3.8	3.8	3.8	1.3	2.5	2.5	2.5	2.5
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	1.3	3.8	3.8	3.8	2.5
85°	3.8	3.8	3.8	3.8	5.1	5.1	1.3	5.1	5.1	3.8	3.8
87.5°	5.1	3.8	5.1	5.1	5.1	6.4	1.3	5.1	5.1	5.1	5.1
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°	31.8	31.8	31.8	31.8	31.8
2.5°	20.3	21.6	21.6	21.6	21.6
5°	17.8	16.5	16.5	16.5	16.5
7.5°	10.2	10.2	11.4	11.4	11.4
10°	15.2	15.2	15.2	15.2	15.2
12.5°	12.7	14.0	14.0	14.0	14.0
15°	15.2	15.2	16.5	16.5	16.5
17.5°	14.0	14.0	15.2	15.2	15.2
20°	15.2	16.5	16.5	16.5	16.5
22.5°	14.0	14.0	16.5	16.5	17.8
25°	16.5	15.2	15.2	16.5	15.2
27.5°	15.2	15.2	16.5	16.5	16.5
30°	15.2	14.0	14.0	15.2	15.2
32.5°	14.0	14.0	14.0	14.0	14.0
35°	12.7	12.7	14.0	14.0	14.0
37.5°	11.4	10.2	11.4	11.4	11.4
40°	8.9	8.9	8.9	10.2	10.2
42.5°	6.4	6.4	6.4	6.4	6.4
45°	3.8	3.8	3.8	3.8	3.8
47.5°	2.5	1.3	2.5	2.5	2.5
50°	1.3	1.3	1.3	1.3	1.3
52.5°	0.0	1.3	1.3	1.3	1.3
55°	0.0	1.3	1.3	1.3	1.3
57.5°	0.0	0.0	1.3	1.3	1.3
60°	0.0	0.0	1.3	1.3	1.3
62.5°	0.0	0.0	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3
67.5°	0.0	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	2.5	1.3	1.3
77.5°	2.5	2.5	2.5	2.5	1.3
80°	2.5	2.5	2.5	2.5	1.3
82.5°	2.5	2.5	3.8	2.5	1.3
85°	3.8	3.8	3.8	3.8	1.3
87.5°	3.8	3.8	5.1	5.1	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)