

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: P179320

Luminaire Tested: **UTLD-E01-LED-E-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179320
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
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-T2-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1439.8 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - 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



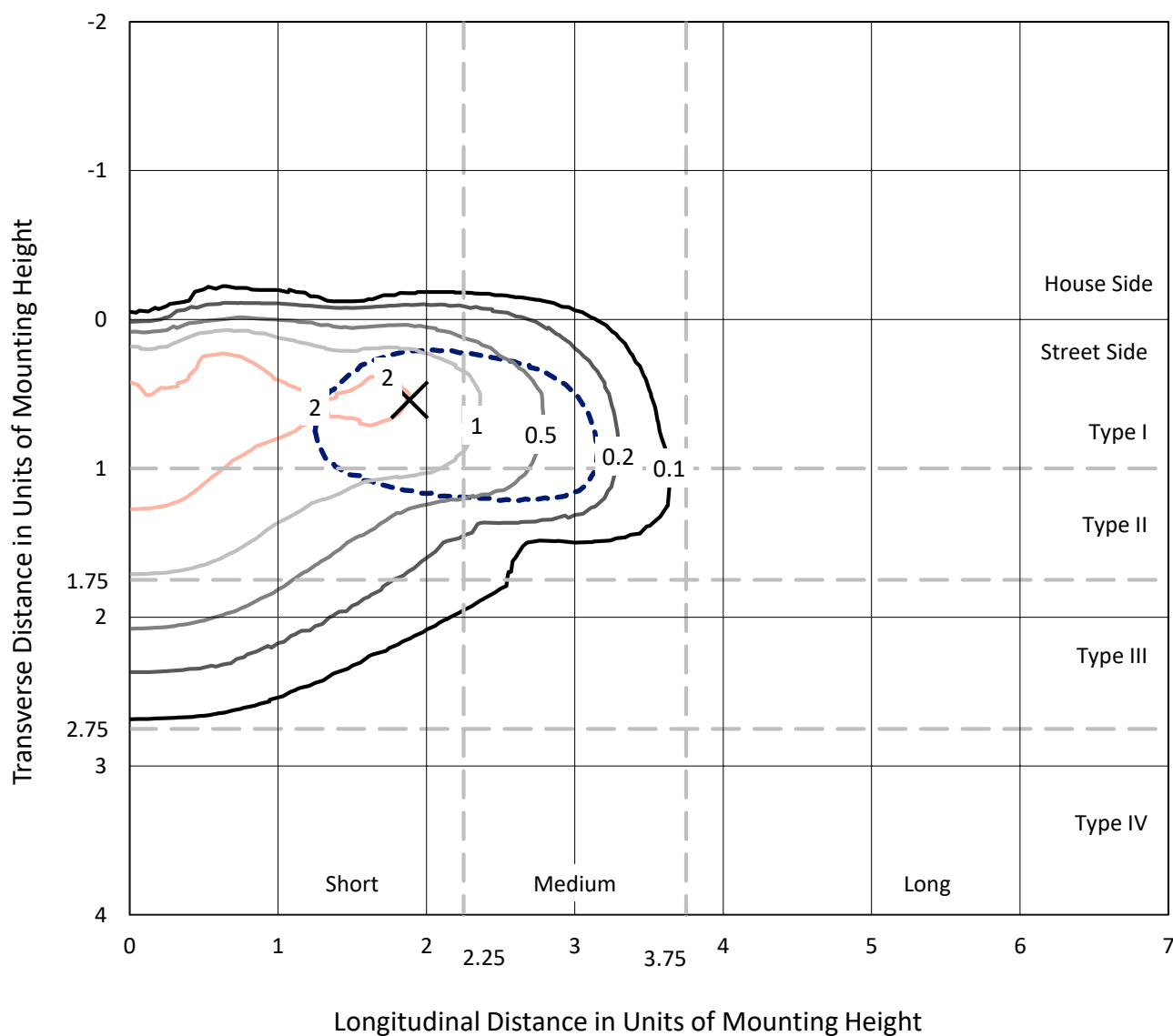
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

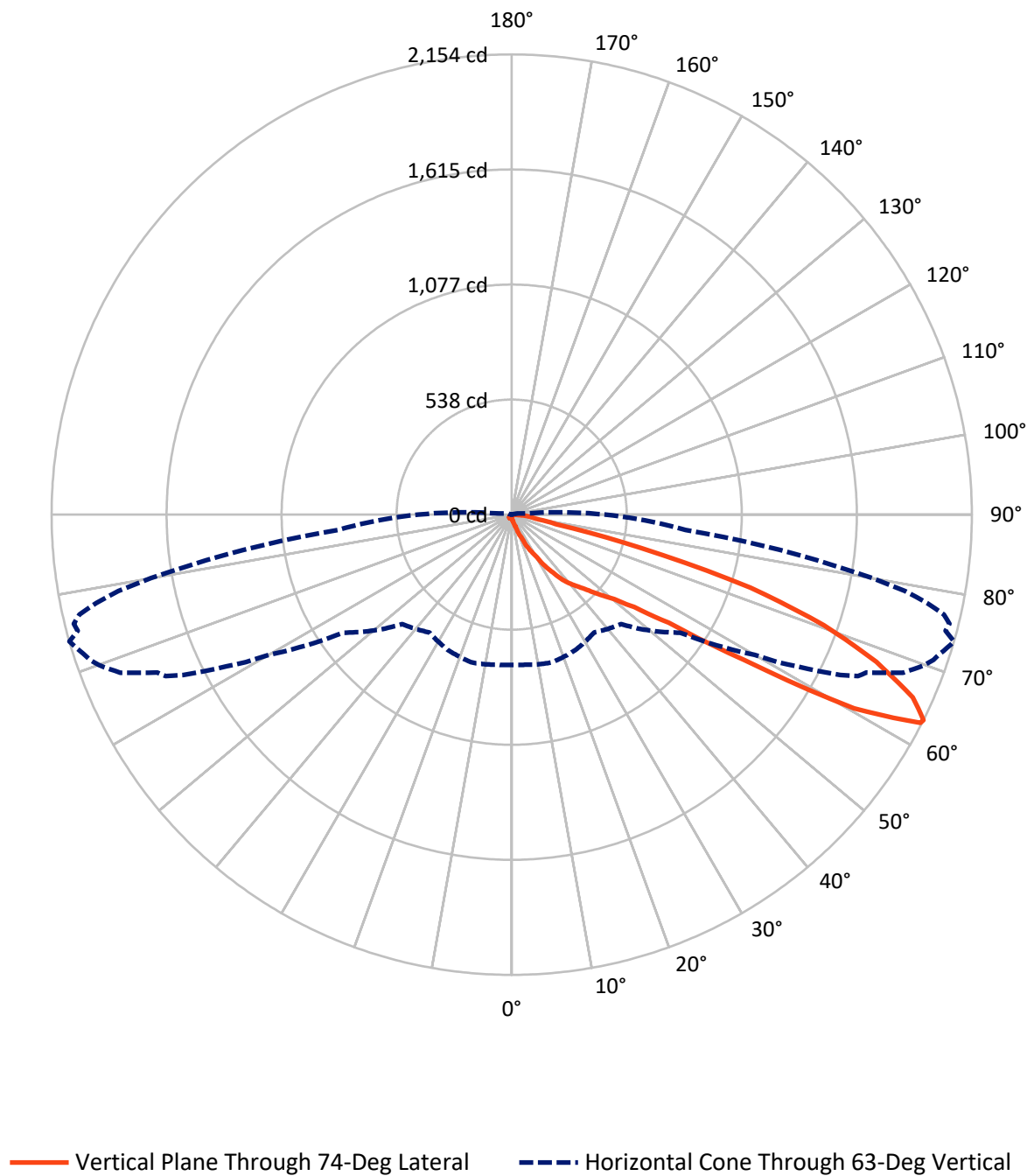


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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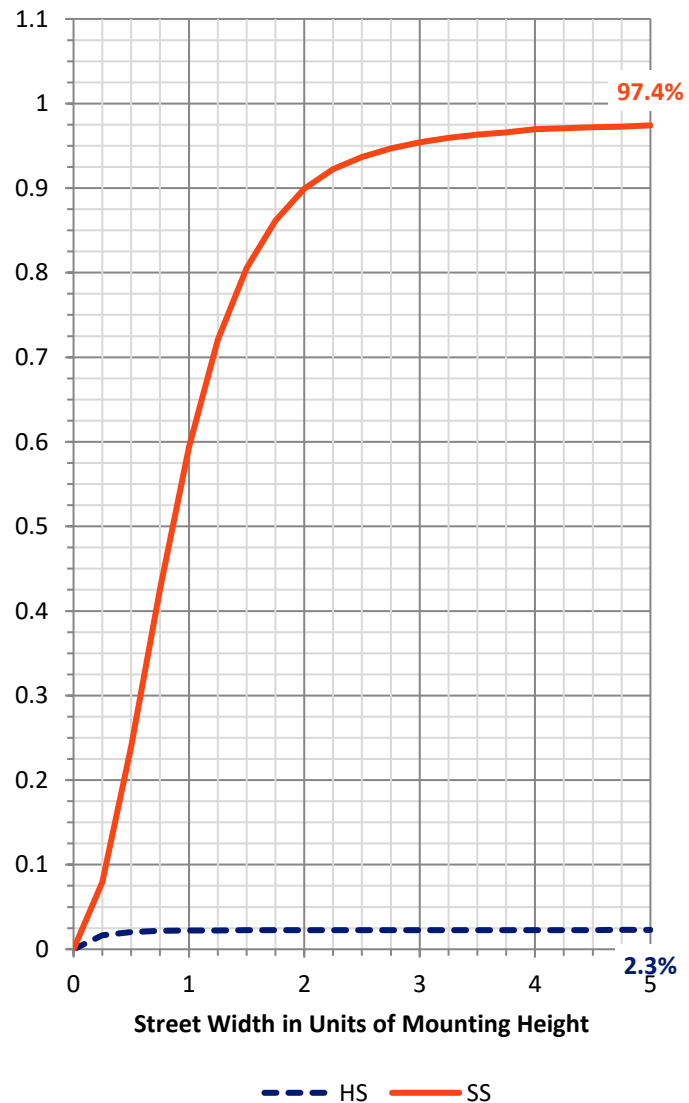
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.4	0.0	33.4
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1406.3	0.0	1406.3
	% Fixture	97.7	0.0	97.7
Total	Lumens	1439.8	0.0	1439.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.2
10°-20°	16.6	1.2
20°-30°	53.7	3.7
30°-40°	128.4	8.9
40°-50°	241.2	16.8
50°-60°	379.1	26.3
60°-70°	445.3	30.9
70°-80°	152.9	10.6
80°-90°	20.2	1.4
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°	1439.8	100.0
0°-180°	1439.8	100.0

Coefficient of Utilization



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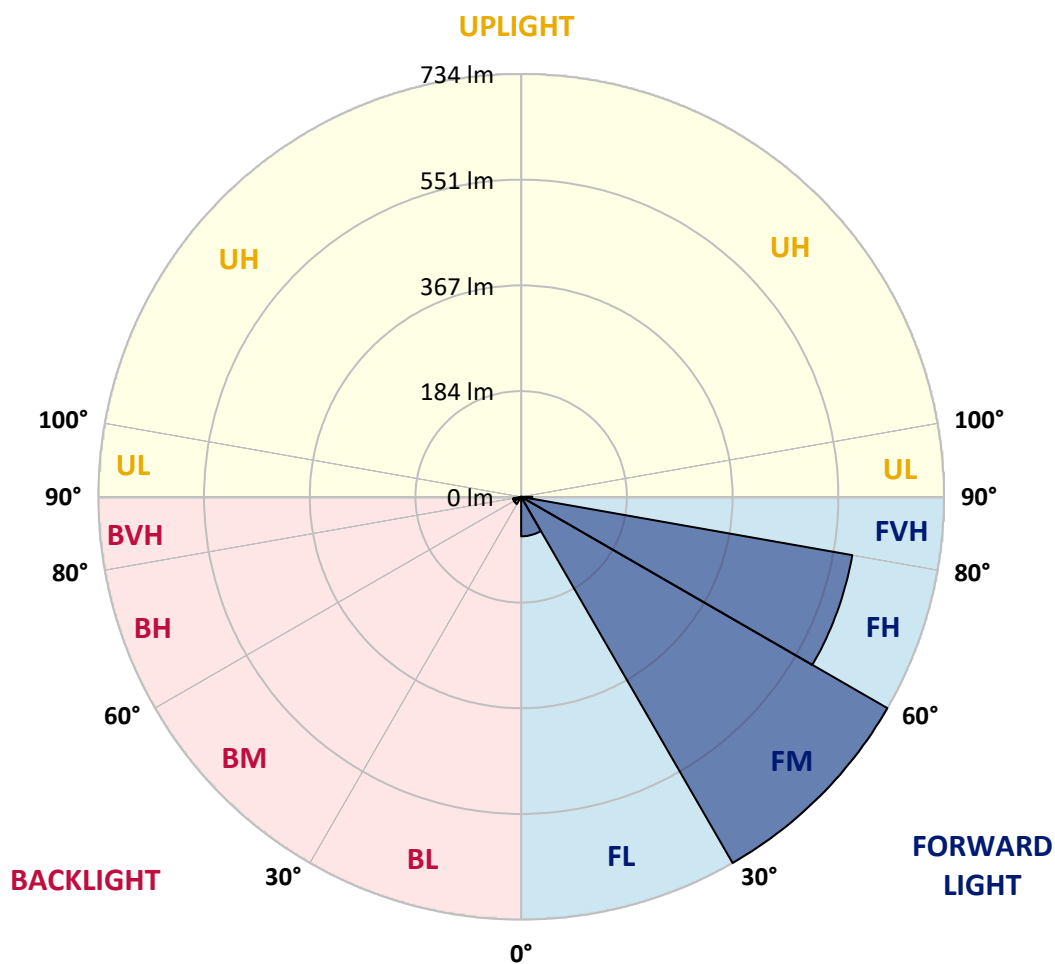
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.6	4.8			
FM	(30°-60°)	734.4	51.0			
FH	(60°-80°)	584.0	40.6			G0/660
FVH	(80°-90°)	19.4	1.3			G1/100
BL	(0°-30°)	4.1	0.3	B0/110		
BM	(30°-60°)	14.3	1.0	B0/220		
BH	(60°-80°)	14.1	1.0	B0/110		G0/110
BVH	(80°-90°)	0.9	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	27.5	27.0	26.0	25.0	24.5	23.5	23.0	22.0	22.0	21.5	22.0
5°	40.0	38.0	36.0	34.5	33.0	31.5	28.5	26.5	26.0	26.0	25.0
7.5°	75.5	72.5	70.5	67.5	62.0	47.0	35.0	32.5	32.0	31.5	30.5
10°	86.0	85.5	84.5	81.0	76.5	68.5	60.5	41.5	40.5	39.0	39.5
12.5°	123.5	122.0	123.0	116.5	107.0	87.5	79.5	71.0	69.0	67.5	62.0
15°	169.0	166.5	134.5	130.0	121.5	120.5	91.5	82.0	80.0	76.5	73.0
17.5°	179.0	180.5	178.0	167.5	149.0	133.5	130.5	104.0	101.0	99.5	95.5
20°	230.5	230.5	220.5	182.0	182.5	167.0	151.0	132.5	119.5	116.5	120.5
22.5°	238.0	239.0	236.0	239.0	196.0	197.5	199.0	188.0	183.5	178.0	171.0
25°	278.5	280.0	273.0	245.0	253.5	229.5	230.5	216.5	209.5	221.0	219.0
27.5°	316.5	317.5	277.5	277.0	268.0	276.5	288.5	276.0	272.5	267.5	258.0
30°	333.0	335.0	322.5	334.5	319.0	301.0	316.5	334.5	331.0	322.5	325.0
32.5°	404.5	405.5	398.5	360.0	359.0	359.5	382.5	370.0	365.5	355.5	357.0
35°	492.5	492.0	437.0	428.0	403.0	418.5	419.5	431.5	416.0	427.0	416.5
37.5°	563.0	560.0	524.0	514.5	481.5	468.0	477.5	469.0	458.5	467.5	464.0
40°	625.0	628.0	611.5	573.5	554.5	534.5	532.0	508.5	518.5	511.0	510.0
42.5°	674.0	679.0	669.0	632.5	606.0	602.5	592.0	563.0	579.0	565.0	567.0
45°	734.5	733.0	714.5	676.5	658.5	663.0	669.5	647.0	648.0	643.0	631.5
47.5°	792.0	791.5	780.0	726.5	704.0	715.5	753.0	748.0	729.5	737.0	710.5
50°	841.0	841.5	828.0	768.5	740.0	767.0	840.0	846.0	837.0	839.5	808.5
52.5°	858.0	859.0	853.0	792.5	763.0	804.0	910.5	941.5	950.5	953.0	919.0
55°	841.0	844.5	843.0	790.5	762.5	820.5	972.0	1035.0	1058.5	1071.5	1051.0
57.5°	809.0	812.0	818.0	785.0	757.5	826.0	1026.5	1163.0	1205.0	1232.0	1239.0
60°	771.5	775.0	793.0	779.0	750.0	816.5	1055.5	1278.5	1353.5	1413.0	1507.0
62.5°	720.5	724.0	739.0	725.0	694.0	750.0	990.5	1310.5	1415.0	1500.0	1675.0
63°	703.0	705.0	716.5	700.5	672.5	724.0	962.5	1312.5	1423.5	1512.5	1710.5
65°	553.0	557.0	570.0	553.0	547.0	598.5	803.0	1248.0	1401.0	1497.5	1741.0
67.5°	302.0	307.0	326.5	319.0	353.5	411.5	532.5	911.0	1120.5	1257.5	1535.0
70°	219.5	219.5	236.0	241.0	258.0	303.0	351.5	463.0	585.0	744.5	1099.0
72.5°	159.5	163.0	177.0	191.0	215.5	270.0	346.5	269.0	277.0	326.5	578.5
75°	79.5	86.5	102.0	118.5	144.0	205.5	367.0	279.0	253.5	247.0	295.5
77.5°	18.5	19.0	31.0	61.0	73.5	118.0	290.5	341.0	307.0	290.5	260.0
80°	9.5	10.0	12.5	30.5	33.5	42.5	152.5	360.0	364.0	354.0	292.0
82.5°	5.0	5.0	7.5	13.0	13.0	15.0	43.5	219.0	303.5	344.5	337.0
85°	2.0	2.0	4.5	6.5	7.0	6.5	12.0	86.0	152.0	197.5	264.5
87.5°	0.5	0.5	1.5	2.5	3.0	3.5	5.5	16.0	26.5	36.5	61.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	21.5	21.5	21.5	21.0	21.0	21.0	21.0	20.5	20.5	20.5	19.0
5°	24.5	24.5	24.0	23.5	23.5	23.0	23.0	23.0	22.5	22.5	22.0
7.5°	30.0	29.5	29.0	28.0	27.5	27.0	27.0	26.0	25.5	25.0	24.5
10°	39.5	39.0	37.5	36.5	35.5	34.5	33.5	33.0	32.0	31.5	30.5
12.5°	54.0	47.0	45.5	44.0	42.0	40.5	39.5	38.5	38.0	36.5	37.0
15°	78.0	76.5	75.0	74.0	71.5	60.5	56.0	55.0	53.0	51.5	49.5
17.5°	94.5	93.0	89.5	84.0	83.0	81.0	78.5	76.0	64.0	58.0	56.0
20°	122.5	120.0	123.5	122.5	118.5	114.5	110.0	107.5	104.5	99.0	90.0
22.5°	153.5	153.5	149.0	146.0	141.0	134.5	134.0	128.5	118.0	114.0	112.5
25°	219.0	222.0	213.0	201.5	200.5	194.5	180.0	172.5	167.5	162.0	159.5
27.5°	260.0	250.5	242.0	241.5	235.5	217.0	209.0	205.0	207.5	194.5	186.5
30°	314.5	307.5	305.5	296.5	285.5	272.0	269.5	264.0	250.0	231.5	221.0
32.5°	352.0	355.5	362.0	352.0	339.0	335.5	334.0	319.0	300.0	287.5	275.5
35°	422.5	417.5	408.0	392.5	388.5	388.5	377.5	355.0	341.5	333.5	330.5
37.5°	463.0	455.5	441.5	434.0	436.0	432.5	407.0	394.5	388.5	386.5	367.0
40°	506.5	492.0	479.5	481.5	486.0	461.0	447.0	440.0	442.0	426.0	401.5
42.5°	555.5	536.5	530.0	541.5	518.0	499.5	488.5	492.5	484.0	461.0	445.0
45°	612.0	593.0	597.0	593.5	564.5	547.5	549.0	540.5	524.5	507.0	491.5
47.5°	679.5	670.0	682.0	647.0	622.0	616.5	613.0	596.0	575.0	561.0	546.5
50°	779.5	784.5	773.5	732.0	709.0	707.5	687.5	662.5	645.5	622.0	599.5
52.5°	912.5	927.0	894.0	861.0	847.0	836.5	803.5	775.0	746.5	718.0	684.5
55°	1056.0	1084.5	1047.5	1032.5	1028.0	1034.5	995.5	966.5	931.5	892.0	851.0
57.5°	1296.0	1303.5	1279.0	1300.0	1316.5	1319.0	1329.0	1307.5	1294.0	1282.5	1242.5
60°	1604.0	1617.0	1640.0	1714.0	1744.0	1786.5	1797.0	1825.0	1831.0	1841.0	1808.5
62.5°	1768.0	1796.5	1870.0	1957.0	1995.0	2035.5	2068.0	2093.5	2113.5	2146.0	2089.5
63°	1787.5	1816.5	1894.0	1975.5	2015.5	2057.0	2087.5	2107.5	2130.5	2153.5	2102.0
65°	1784.5	1816.5	1915.0	1958.5	2001.5	2024.5	2052.0	2053.5	2096.0	2063.5	2058.0
67.5°	1582.5	1667.0	1736.0	1783.0	1819.5	1837.5	1849.0	1863.0	1891.5	1840.5	1869.0
70°	1241.5	1349.5	1411.0	1469.0	1516.0	1529.5	1539.5	1583.5	1544.5	1549.0	1541.0
72.5°	706.5	874.0	978.5	1041.0	1118.5	1132.5	1156.0	1193.0	1143.0	1168.5	1146.0
75°	379.0	444.5	535.5	599.5	630.5	660.5	689.5	667.5	653.5	623.0	617.0
77.5°	273.0	280.0	287.5	282.0	274.0	272.0	259.5	235.5	229.0	210.0	200.5
80°	273.5	247.5	217.5	179.5	139.5	121.5	114.0	111.5	111.5	111.5	105.0
82.5°	309.5	277.0	238.5	191.0	148.0	116.5	96.5	93.5	91.5	91.5	85.5
85°	251.5	248.0	220.0	176.0	138.0	104.5	81.0	66.0	60.5	54.0	51.5
87.5°	61.0	63.5	55.5	48.5	40.5	32.0	28.0	22.5	19.0	17.5	16.5
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
2.5°	19.0	18.5	18.0	18.0	17.5	15.0	13.0	11.5	10.5	10.0	9.5
5°	22.0	21.5	21.5	21.0	21.0	17.0	11.5	10.0	9.0	8.0	8.0
7.5°	24.0	23.5	23.5	23.0	22.5	20.5	11.5	9.5	7.5	8.0	4.0
10°	30.0	29.5	28.5	28.0	27.5	26.0	14.0	10.0	9.0	3.5	3.0
12.5°	36.5	35.0	34.0	33.0	31.0	26.5	14.0	10.5	5.5	4.5	5.0
15°	47.0	45.0	43.0	41.5	40.0	34.5	18.5	13.0	6.0	5.5	5.5
17.5°	53.5	51.0	49.0	48.5	47.5	34.5	18.0	9.0	7.0	7.0	5.5
20°	82.0	81.5	77.0	71.5	66.5	51.0	24.5	11.5	9.5	7.0	7.0
22.5°	107.5	94.5	88.0	80.0	75.5	61.0	25.0	12.5	11.0	8.5	6.5
25°	147.0	133.0	125.5	114.5	110.5	76.5	27.5	16.0	12.5	9.0	7.5
27.5°	179.0	169.0	164.5	159.0	145.5	95.0	32.0	17.0	12.5	10.0	7.5
30°	208.5	209.0	195.5	178.5	165.0	113.5	34.0	18.5	13.0	9.5	7.5
32.5°	274.0	258.0	235.0	220.0	206.0	130.5	37.0	20.0	12.5	9.5	7.5
35°	312.0	287.5	274.5	261.0	243.0	155.5	40.5	19.5	12.5	9.0	7.0
37.5°	343.0	324.5	311.5	292.0	273.0	174.5	42.5	18.0	12.0	8.5	6.0
40°	382.0	369.0	345.5	328.5	309.0	182.5	44.0	16.5	11.0	7.5	5.0
42.5°	427.5	408.5	386.5	370.5	337.5	207.5	48.5	15.5	10.0	6.5	4.5
45°	475.0	450.5	436.5	403.0	364.5	225.5	52.0	15.0	9.0	5.5	3.5
47.5°	519.5	504.5	474.0	431.5	414.0	253.5	51.0	14.0	8.0	4.5	2.5
50°	581.0	560.5	519.0	495.0	466.5	276.0	49.5	13.5	7.0	4.0	2.0
52.5°	667.0	623.5	591.0	563.5	515.5	307.5	48.5	12.5	6.0	3.0	1.0
55°	806.0	738.0	698.0	646.5	594.0	344.5	46.0	11.0	5.5	2.5	1.0
57.5°	1143.0	1069.5	983.5	885.5	792.0	431.0	45.0	10.0	4.5	1.5	0.5
60°	1740.5	1692.5	1566.0	1407.5	1275.0	606.5	48.5	8.5	3.5	1.0	0.5
62.5°	2089.0	2045.0	1955.0	1840.5	1662.5	790.5	54.5	7.0	2.5	1.0	0.5
63°	2111.5	2076.0	1987.5	1875.0	1714.5	816.0	57.5	7.0	2.5	1.0	0.5
65°	2069.5	2038.5	1989.0	1901.5	1797.0	890.0	66.5	6.5	2.0	1.0	0.5
67.5°	1858.5	1825.5	1791.5	1755.0	1680.5	914.0	73.0	6.0	1.5	1.0	0.5
70°	1537.0	1507.0	1470.0	1454.0	1413.5	854.5	76.5	5.5	1.5	1.0	0.5
72.5°	1122.0	1087.5	1057.5	1014.0	975.5	646.5	56.5	5.5	1.0	1.0	0.5
75°	570.0	534.0	464.5	432.0	398.5	271.0	23.0	4.5	1.0	1.0	0.5
77.5°	166.5	149.5	121.0	98.0	74.5	48.5	8.5	3.0	1.0	1.0	0.5
80°	98.5	83.5	69.0	54.5	44.0	23.5	5.0	2.0	1.0	1.5	0.5
82.5°	80.5	72.0	59.5	49.0	38.5	17.5	3.5	2.0	1.5	1.5	0.5
85°	46.5	42.0	35.5	28.5	24.0	12.5	2.5	2.0	1.5	2.0	0.5
87.5°	17.0	15.5	14.5	14.0	13.0	9.0	2.5	2.5	2.0	2.5	0.5
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):

	145°	155°	165°	175°	180°
0°	14.0	14.0	14.0	14.0	14.0
2.5°	9.0	9.5	9.5	9.5	9.5
5°	8.5	8.5	7.5	6.0	6.0
7.5°	3.5	4.0	4.0	4.0	4.0
10°	3.0	5.0	5.5	5.5	5.5
12.5°	4.5	4.5	5.0	5.0	5.5
15°	4.5	5.5	6.0	6.0	6.0
17.5°	6.0	5.0	5.5	5.5	6.0
20°	5.5	6.0	6.0	6.0	6.0
22.5°	6.5	6.0	5.5	6.0	6.0
25°	6.0	6.0	5.5	5.5	5.5
27.5°	6.0	5.5	5.5	5.5	5.5
30°	6.0	5.5	5.0	5.0	5.0
32.5°	5.5	5.0	5.0	4.5	4.5
35°	5.0	4.0	4.5	4.5	4.5
37.5°	4.5	3.5	3.5	4.0	3.5
40°	3.5	3.0	2.5	3.0	3.0
42.5°	2.5	2.0	2.0	2.0	2.0
45°	2.0	1.0	1.0	1.0	1.0
47.5°	1.0	0.5	0.5	0.5	0.5
50°	0.5	0.0	0.0	0.0	0.0
52.5°	0.5	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5
77.5°	1.0	1.0	1.0	0.5	0.5
80°	1.5	1.0	1.0	0.5	0.5
82.5°	1.5	1.5	1.5	1.0	0.5
85°	2.0	1.5	1.5	1.5	0.5
87.5°	2.5	2.0	2.0	1.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)