

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: P179321

Luminaire Tested: **UTLD-E01-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179321
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-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1477.3 lumens
Efficiency: N/A
Efficacy: 59.8 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

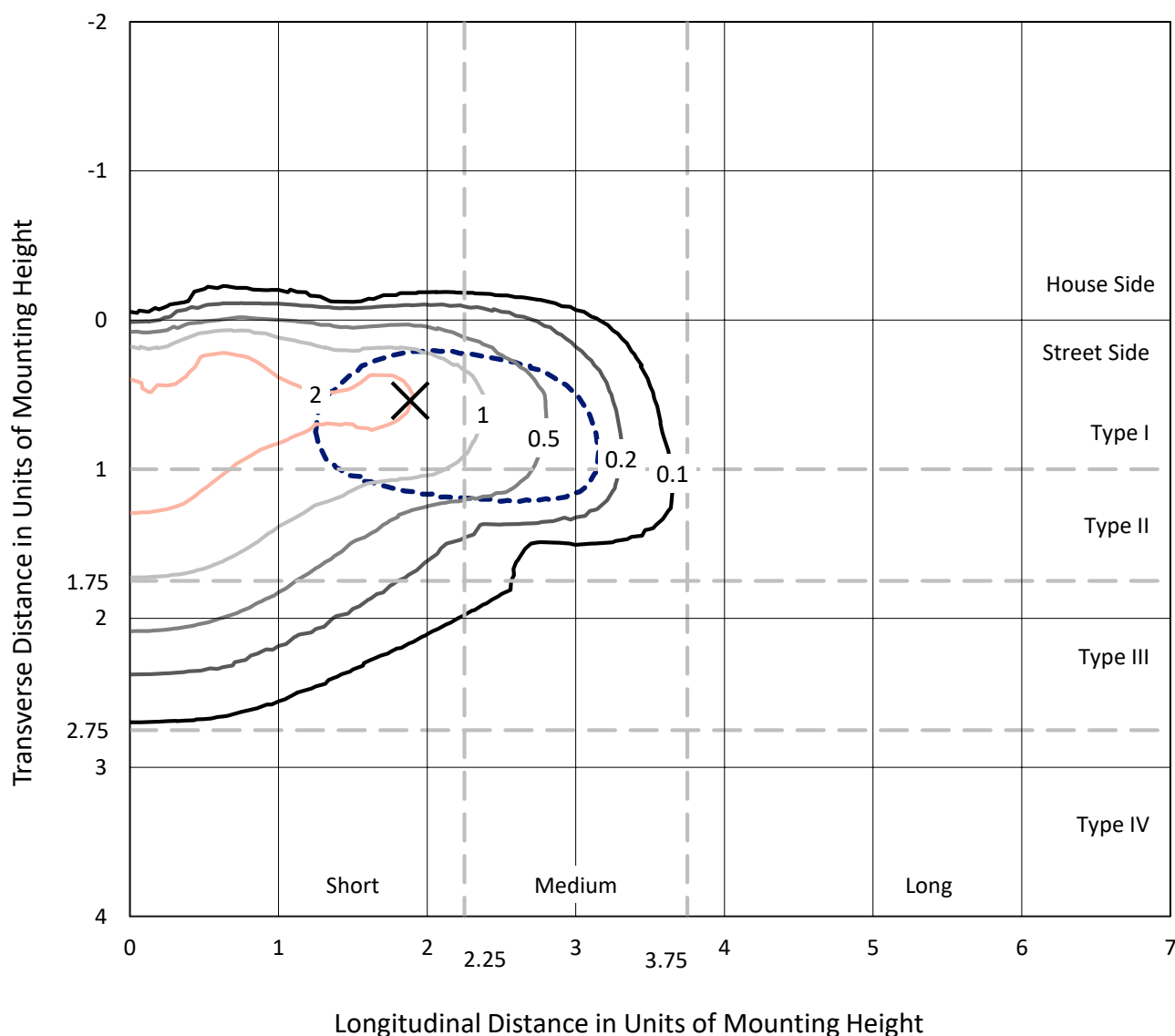


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

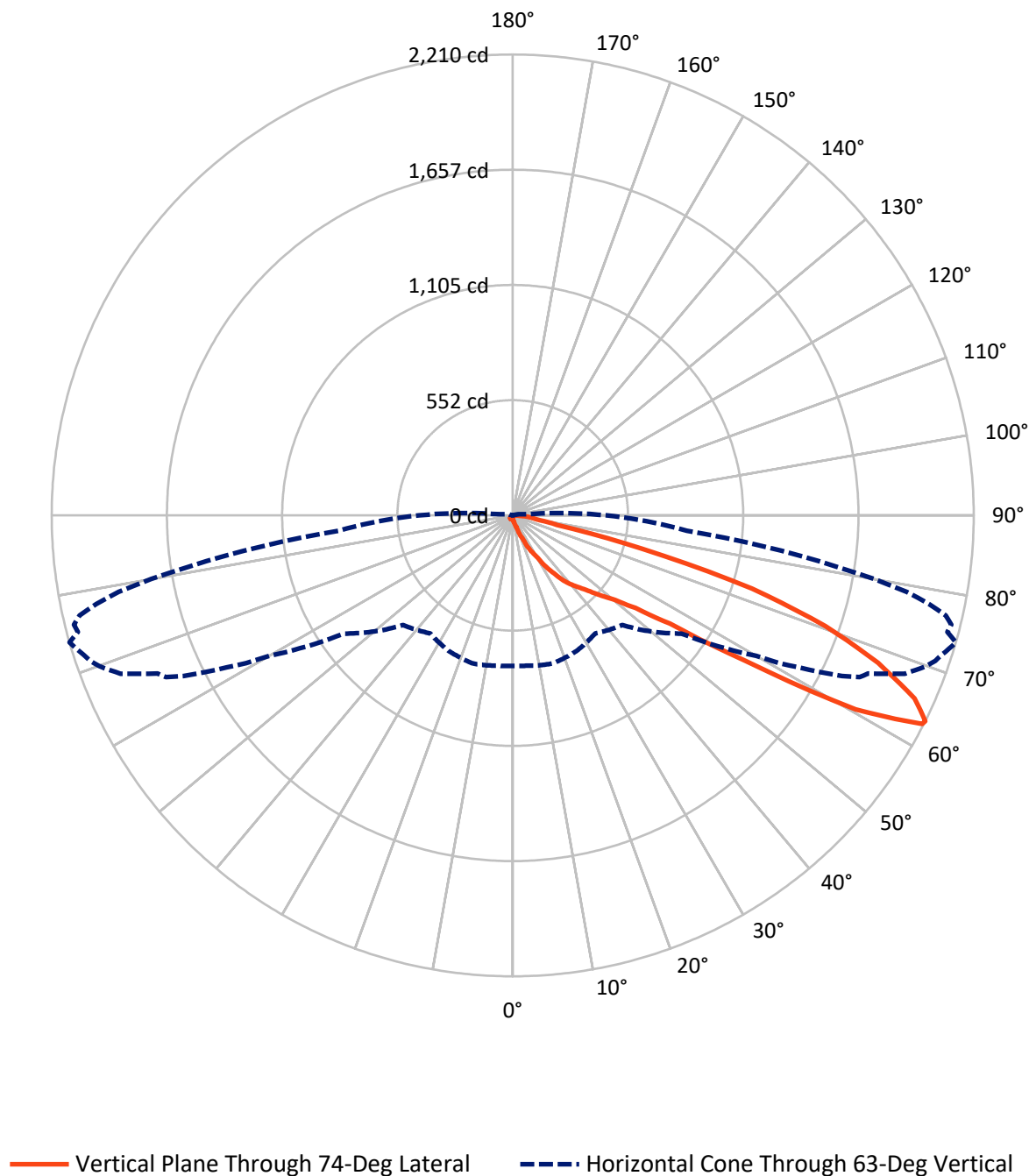


Based on 10 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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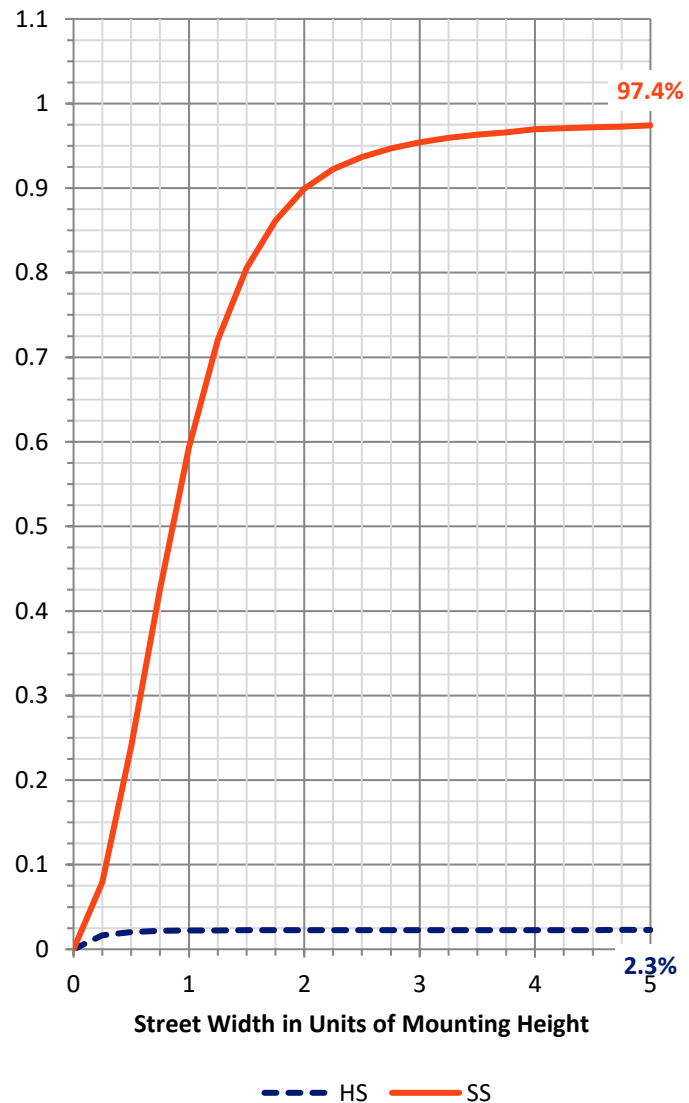
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34.3	0.0	34.3
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1443.1	0.0	1443.1
	% Fixture	97.7	0.0	97.7
Total	Lumens	1477.3	0.0	1477.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.2
10°-20°	17.0	1.2
20°-30°	55.1	3.7
30°-40°	131.8	8.9
40°-50°	247.5	16.8
50°-60°	389.0	26.3
60°-70°	456.9	30.9
70°-80°	156.9	10.6
80°-90°	20.8	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°	1477.3	100.0
0°-180°	1477.3	100.0

Coefficient of Utilization



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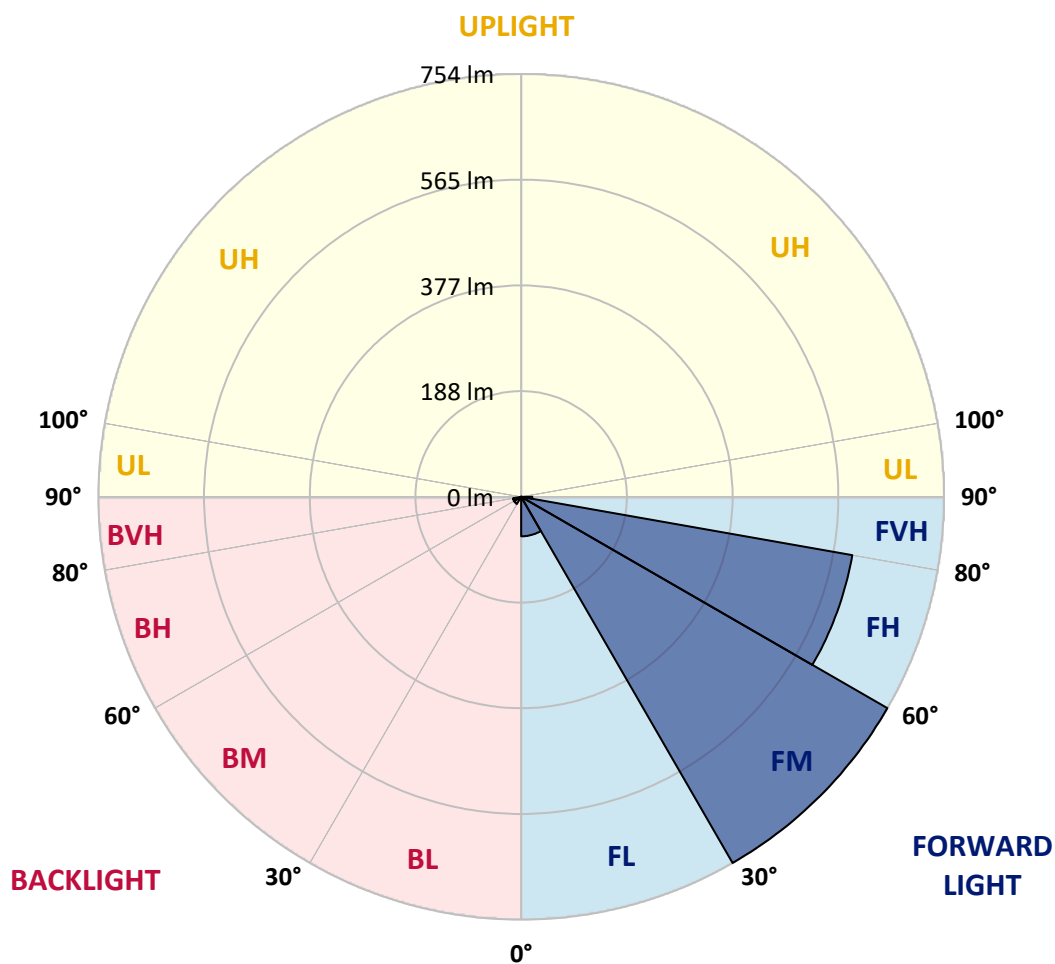
CATALOG NUMBER: UTLD-E01-LED-E-U-T2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.4	4.8			
FM	(30°-60°)	753.6	51.0			
FH	(60°-80°)	599.3	40.6			G0/660
FVH	(80°-90°)	19.9	1.3			G1/100
BL	(0°-30°)	4.2	0.3	B0/110		
BM	(30°-60°)	14.7	1.0	B0/220		
BH	(60°-80°)	14.5	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°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
2.5°	28.2	27.7	26.7	25.7	25.1	24.1	23.6	22.6	22.6	22.1	22.6
5°	41.0	39.0	36.9	35.4	33.9	32.3	29.2	27.2	26.7	26.7	25.7
7.5°	77.5	74.4	72.3	69.3	63.6	48.2	35.9	33.3	32.8	32.3	31.3
10°	88.2	87.7	86.7	83.1	78.5	70.3	62.1	42.6	41.6	40.0	40.5
12.5°	126.7	125.2	126.2	119.5	109.8	89.8	81.6	72.9	70.8	69.3	63.6
15°	173.4	170.8	138.0	133.4	124.7	123.6	93.9	84.1	82.1	78.5	74.9
17.5°	183.7	185.2	182.6	171.9	152.9	137.0	133.9	106.7	103.6	102.1	98.0
20°	236.5	236.5	226.3	186.8	187.3	171.4	154.9	136.0	122.6	119.5	123.6
22.5°	244.2	245.2	242.2	245.2	201.1	202.7	204.2	192.9	188.3	182.6	175.5
25°	285.8	287.3	280.1	251.4	260.1	235.5	236.5	222.2	215.0	226.8	224.7
27.5°	324.8	325.8	284.7	284.2	275.0	283.7	296.0	283.2	279.6	274.5	264.7
30°	341.7	343.7	330.9	343.2	327.3	308.9	324.8	343.2	339.6	330.9	333.5
32.5°	415.1	416.1	408.9	369.4	368.4	368.9	392.5	379.7	375.0	364.8	366.3
35°	505.4	504.8	448.4	439.2	413.5	429.4	430.5	442.8	426.9	438.1	427.4
37.5°	577.7	574.6	537.7	527.9	494.1	480.2	490.0	481.2	470.5	479.7	476.1
40°	641.3	644.4	627.5	588.5	569.0	548.5	545.9	521.8	532.0	524.3	523.3
42.5°	691.6	696.7	686.5	649.0	621.8	618.2	607.5	577.7	594.1	579.7	581.8
45°	753.7	752.1	733.2	694.2	675.7	680.3	687.0	663.9	664.9	659.8	648.0
47.5°	812.7	812.2	800.4	745.5	722.4	734.2	772.7	767.5	748.5	756.2	729.0
50°	863.0	863.5	849.6	788.6	759.3	787.0	861.9	868.1	858.9	861.4	829.6
52.5°	880.4	881.4	875.3	813.2	782.9	825.0	934.3	966.1	975.3	977.9	943.0
55°	863.0	866.5	865.0	811.1	782.4	841.9	997.4	1062.0	1086.1	1099.5	1078.4
57.5°	830.1	833.2	839.4	805.5	777.3	847.6	1053.3	1193.4	1236.5	1264.2	1271.3
60°	791.6	795.2	813.7	799.3	769.6	837.8	1083.1	1311.9	1388.8	1449.9	1546.3
62.5°	739.3	742.9	758.3	743.9	712.1	769.6	1016.4	1344.7	1451.9	1539.2	1718.7
63°	721.4	723.4	735.2	718.8	690.1	742.9	987.6	1346.8	1460.7	1552.0	1755.2
65°	567.4	571.5	584.9	567.4	561.3	614.1	824.0	1280.6	1437.6	1536.6	1786.4
67.5°	309.9	315.0	335.0	327.3	362.7	422.2	546.4	934.8	1149.8	1290.3	1575.1
70°	225.2	225.2	242.2	247.3	264.7	310.9	360.7	475.1	600.3	763.9	1127.7
72.5°	163.7	167.3	181.6	196.0	221.1	277.0	355.5	276.0	284.2	335.0	593.6
75°	81.6	88.8	104.7	121.6	147.8	210.9	376.6	286.3	260.1	253.4	303.2
77.5°	19.0	19.5	31.8	62.6	75.4	121.1	298.1	349.9	315.0	298.1	266.8
80°	9.7	10.3	12.8	31.3	34.4	43.6	156.5	369.4	373.5	363.2	299.6
82.5°	5.1	5.1	7.7	13.3	13.3	15.4	44.6	224.7	311.4	353.5	345.8
85°	2.1	2.1	4.6	6.7	7.2	6.7	12.3	88.2	156.0	202.7	271.4
87.5°	0.5	0.5	1.5	2.6	3.1	3.6	5.6	16.4	27.2	37.5	62.6
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°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
2.5°	22.1	22.1	22.1	21.5	21.5	21.5	21.5	21.0	21.0	21.0	19.5
5°	25.1	25.1	24.6	24.1	24.1	23.6	23.6	23.6	23.1	23.1	22.6
7.5°	30.8	30.3	29.8	28.7	28.2	27.7	27.7	26.7	26.2	25.7	25.1
10°	40.5	40.0	38.5	37.5	36.4	35.4	34.4	33.9	32.8	32.3	31.3
12.5°	55.4	48.2	46.7	45.1	43.1	41.6	40.5	39.5	39.0	37.5	38.0
15°	80.0	78.5	77.0	75.9	73.4	62.1	57.5	56.4	54.4	52.8	50.8
17.5°	97.0	95.4	91.8	86.2	85.2	83.1	80.5	78.0	65.7	59.5	57.5
20°	125.7	123.1	126.7	125.7	121.6	117.5	112.9	110.3	107.2	101.6	92.3
22.5°	157.5	157.5	152.9	149.8	144.7	138.0	137.5	131.9	121.1	117.0	115.4
25°	224.7	227.8	218.6	206.8	205.7	199.6	184.7	177.0	171.9	166.2	163.7
27.5°	266.8	257.0	248.3	247.8	241.6	222.7	214.5	210.4	212.9	199.6	191.4
30°	322.7	315.5	313.5	304.2	293.0	279.1	276.5	270.9	256.5	237.5	226.8
32.5°	361.2	364.8	371.5	361.2	347.8	344.3	342.7	327.3	307.8	295.0	282.7
35°	433.5	428.4	418.7	402.7	398.6	398.6	387.4	364.3	350.4	342.2	339.1
37.5°	475.1	467.4	453.0	445.3	447.4	443.8	417.6	404.8	398.6	396.6	376.6
40°	519.7	504.8	492.0	494.1	498.7	473.0	458.7	451.5	453.5	437.1	412.0
42.5°	570.0	550.5	543.8	555.6	531.5	512.5	501.3	505.4	496.6	473.0	456.6
45°	628.0	608.5	612.6	609.0	579.2	561.8	563.3	554.6	538.2	520.2	504.3
47.5°	697.2	687.5	699.8	663.9	638.2	632.6	629.0	611.6	590.0	575.6	560.8
50°	799.8	805.0	793.7	751.1	727.5	726.0	705.4	679.8	662.4	638.2	615.2
52.5°	936.3	951.2	917.3	883.5	869.1	858.3	824.5	795.2	766.0	736.7	702.4
55°	1083.6	1112.8	1074.8	1059.5	1054.8	1061.5	1021.5	991.7	955.8	915.3	873.2
57.5°	1329.8	1337.5	1312.4	1333.9	1350.9	1353.4	1363.7	1341.6	1327.8	1316.0	1274.9
60°	1645.9	1659.2	1682.8	1758.7	1789.5	1833.1	1843.9	1872.6	1878.8	1889.1	1855.7
62.5°	1814.2	1843.4	1918.8	2008.1	2047.1	2088.6	2122.0	2148.2	2168.7	2202.0	2144.0
63°	1834.2	1863.9	1943.4	2027.1	2068.1	2110.7	2142.0	2162.5	2186.1	2209.7	2156.9
65°	1831.1	1863.9	1965.0	2009.6	2053.8	2077.4	2105.6	2107.1	2150.7	2117.4	2111.7
67.5°	1623.8	1710.5	1781.3	1829.5	1867.0	1885.5	1897.3	1911.6	1940.9	1888.5	1917.8
70°	1273.9	1384.7	1447.8	1507.3	1555.6	1569.4	1579.7	1624.8	1584.8	1589.4	1581.2
72.5°	724.9	896.8	1004.0	1068.2	1147.7	1162.1	1186.2	1224.1	1172.8	1199.0	1175.9
75°	388.9	456.1	549.5	615.2	647.0	677.7	707.5	684.9	670.6	639.3	633.1
77.5°	280.1	287.3	295.0	289.4	281.2	279.1	266.3	241.6	235.0	215.5	205.7
80°	280.6	254.0	223.2	184.2	143.1	124.7	117.0	114.4	114.4	114.4	107.7
82.5°	317.6	284.2	244.7	196.0	151.9	119.5	99.0	95.9	93.9	93.9	87.7
85°	258.1	254.5	225.7	180.6	141.6	107.2	83.1	67.7	62.1	55.4	52.8
87.5°	62.6	65.2	56.9	49.8	41.6	32.8	28.7	23.1	19.5	18.0	16.9
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
2.5°	19.5	19.0	18.5	18.5	18.0	15.4	13.3	11.8	10.8	10.3	9.7
5°	22.6	22.1	22.1	21.5	21.5	17.4	11.8	10.3	9.2	8.2	8.2
7.5°	24.6	24.1	24.1	23.6	23.1	21.0	11.8	9.7	7.7	8.2	4.1
10°	30.8	30.3	29.2	28.7	28.2	26.7	14.4	10.3	9.2	3.6	3.1
12.5°	37.5	35.9	34.9	33.9	31.8	27.2	14.4	10.8	5.6	4.6	5.1
15°	48.2	46.2	44.1	42.6	41.0	35.4	19.0	13.3	6.2	5.6	5.6
17.5°	54.9	52.3	50.3	49.8	48.7	35.4	18.5	9.2	7.2	7.2	5.6
20°	84.1	83.6	79.0	73.4	68.2	52.3	25.1	11.8	9.7	7.2	7.2
22.5°	110.3	97.0	90.3	82.1	77.5	62.6	25.7	12.8	11.3	8.7	6.7
25°	150.8	136.5	128.8	117.5	113.4	78.5	28.2	16.4	12.8	9.2	7.7
27.5°	183.7	173.4	168.8	163.2	149.3	97.5	32.8	17.4	12.8	10.3	7.7
30°	213.9	214.5	200.6	183.2	169.3	116.5	34.9	19.0	13.3	9.7	7.7
32.5°	281.2	264.7	241.1	225.7	211.4	133.9	38.0	20.5	12.8	9.7	7.7
35°	320.1	295.0	281.7	267.8	249.3	159.6	41.6	20.0	12.8	9.2	7.2
37.5°	352.0	333.0	319.6	299.6	280.1	179.1	43.6	18.5	12.3	8.7	6.2
40°	392.0	378.6	354.5	337.1	317.1	187.3	45.1	16.9	11.3	7.7	5.1
42.5°	438.7	419.2	396.6	380.2	346.3	212.9	49.8	15.9	10.3	6.7	4.6
45°	487.4	462.3	447.9	413.5	374.0	231.4	53.4	15.4	9.2	5.6	3.6
47.5°	533.1	517.7	486.4	442.8	424.8	260.1	52.3	14.4	8.2	4.6	2.6
50°	596.2	575.1	532.5	507.9	478.7	283.2	50.8	13.9	7.2	4.1	2.1
52.5°	684.4	639.8	606.4	578.2	529.0	315.5	49.8	12.8	6.2	3.1	1.0
55°	827.0	757.3	716.2	663.4	609.5	353.5	47.2	11.3	5.6	2.6	1.0
57.5°	1172.8	1097.4	1009.2	908.6	812.7	442.3	46.2	10.3	4.6	1.5	0.5
60°	1785.9	1736.7	1606.9	1444.2	1308.3	622.3	49.8	8.7	3.6	1.0	0.5
62.5°	2143.5	2098.4	2006.0	1888.5	1705.9	811.1	55.9	7.2	2.6	1.0	0.5
63°	2166.6	2130.2	2039.4	1923.9	1759.3	837.3	59.0	7.2	2.6	1.0	0.5
65°	2123.5	2091.7	2040.9	1951.1	1843.9	913.2	68.2	6.7	2.1	1.0	0.5
67.5°	1907.0	1873.2	1838.3	1800.8	1724.4	937.9	74.9	6.2	1.5	1.0	0.5
70°	1577.1	1546.3	1508.4	1492.0	1450.4	876.8	78.5	5.6	1.5	1.0	0.5
72.5°	1151.3	1115.9	1085.1	1040.5	1001.0	663.4	58.0	5.6	1.0	1.0	0.5
75°	584.9	547.9	476.6	443.3	408.9	278.1	23.6	4.6	1.0	1.0	0.5
77.5°	170.8	153.4	124.2	100.6	76.4	49.8	8.7	3.1	1.0	1.0	0.5
80°	101.1	85.7	70.8	55.9	45.1	24.1	5.1	2.1	1.0	1.5	0.5
82.5°	82.6	73.9	61.1	50.3	39.5	18.0	3.6	2.1	1.5	1.5	0.5
85°	47.7	43.1	36.4	29.2	24.6	12.8	2.6	2.1	1.5	2.1	0.5
87.5°	17.4	15.9	14.9	14.4	13.3	9.2	2.6	2.6	2.1	2.6	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°	14.4	14.4	14.4	14.4	14.4
2.5°	9.2	9.7	9.7	9.7	9.7
5°	8.7	8.7	7.7	6.2	6.2
7.5°	3.6	4.1	4.1	4.1	4.1
10°	3.1	5.1	5.6	5.6	5.6
12.5°	4.6	4.6	5.1	5.1	5.6
15°	4.6	5.6	6.2	6.2	6.2
17.5°	6.2	5.1	5.6	5.6	6.2
20°	5.6	6.2	6.2	6.2	6.2
22.5°	6.7	6.2	5.6	6.2	6.2
25°	6.2	6.2	5.6	5.6	5.6
27.5°	6.2	5.6	5.6	5.6	5.6
30°	6.2	5.6	5.1	5.1	5.1
32.5°	5.6	5.1	5.1	4.6	4.6
35°	5.1	4.1	4.6	4.6	4.6
37.5°	4.6	3.6	3.6	4.1	3.6
40°	3.6	3.1	2.6	3.1	3.1
42.5°	2.6	2.1	2.1	2.1	2.1
45°	2.1	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°	2.1	1.5	1.5	1.5	0.5
87.5°	2.6	2.1	2.1	1.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)