

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: P179319

Luminaire Tested: **UTLD-E01-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179319
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1315 lumens
Efficiency: N/A
Efficacy: 53.2 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



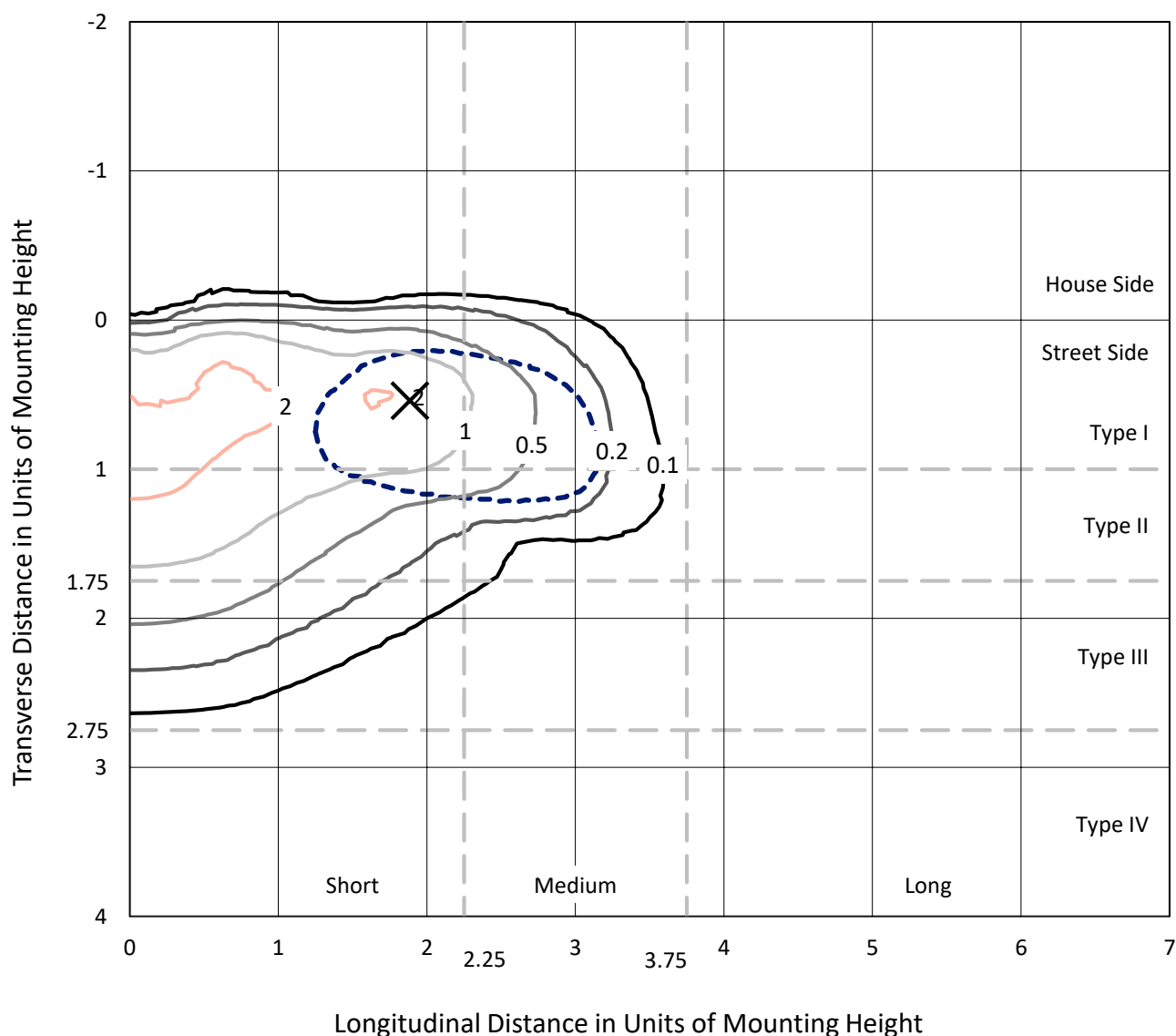
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

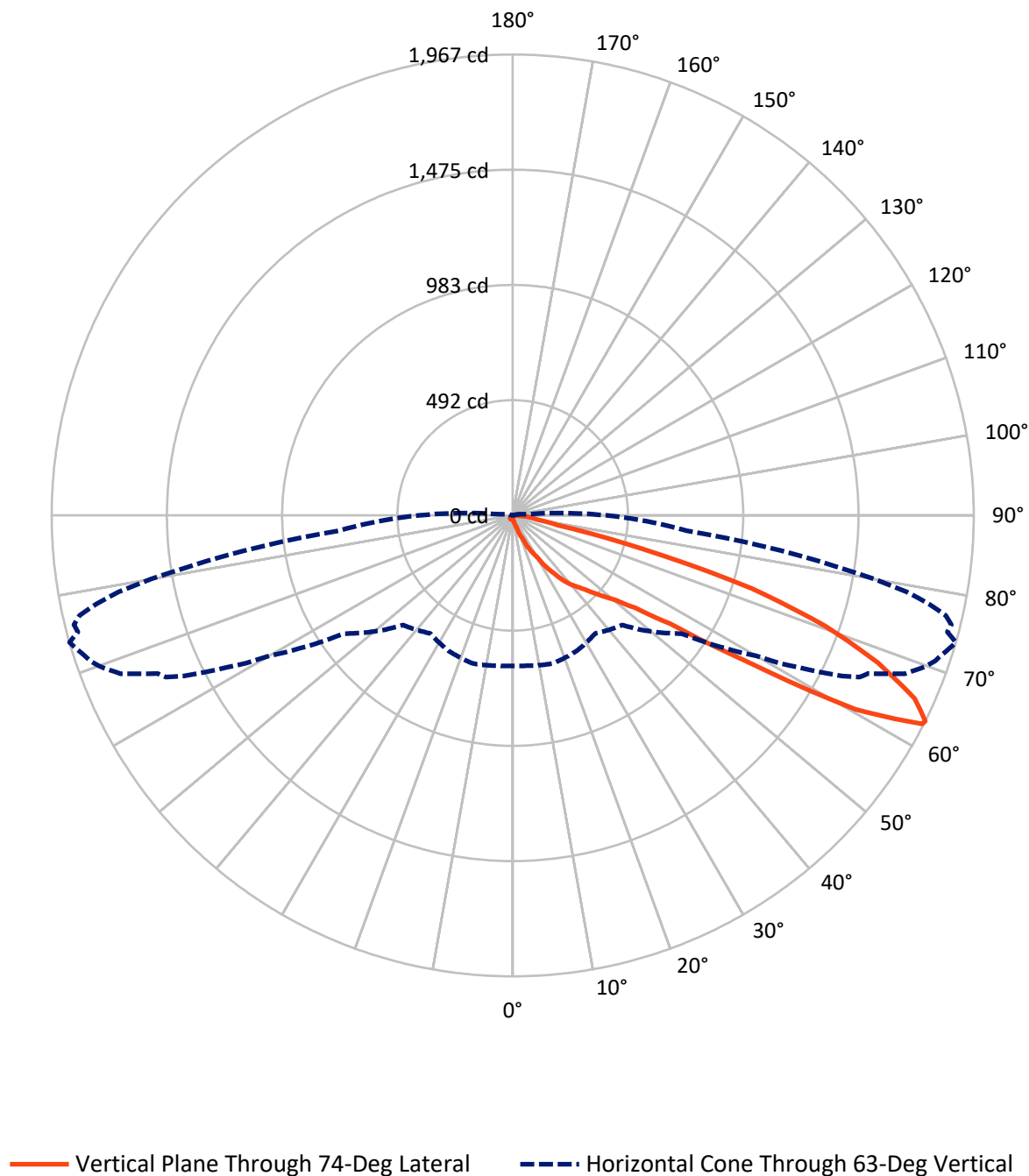


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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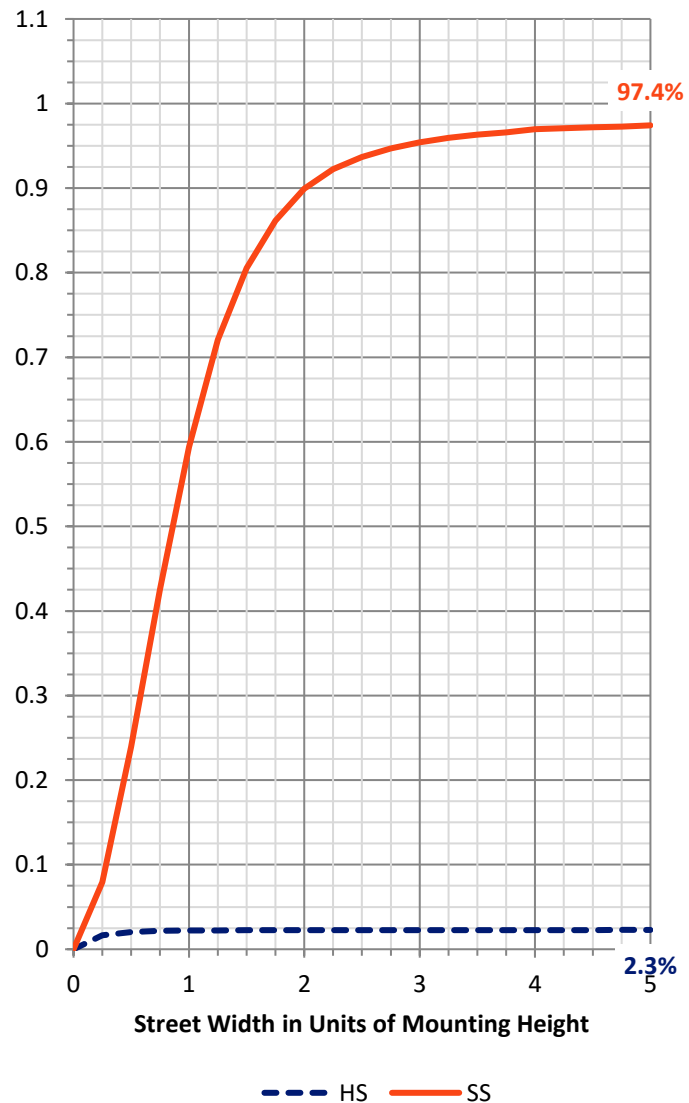
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.5	0.0	30.5
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1284.5	0.0	1284.5
	% Fixture	97.7	0.0	97.7
Total	Lumens	1315.0	0.0	1315.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.2
10°-20°	15.1	1.2
20°-30°	49.1	3.7
30°-40°	117.3	8.9
40°-50°	220.3	16.8
50°-60°	346.2	26.3
60°-70°	406.7	30.9
70°-80°	139.6	10.6
80°-90°	18.5	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°	1315.0	100.0
0°-180°	1315.0	100.0

Coefficient of Utilization



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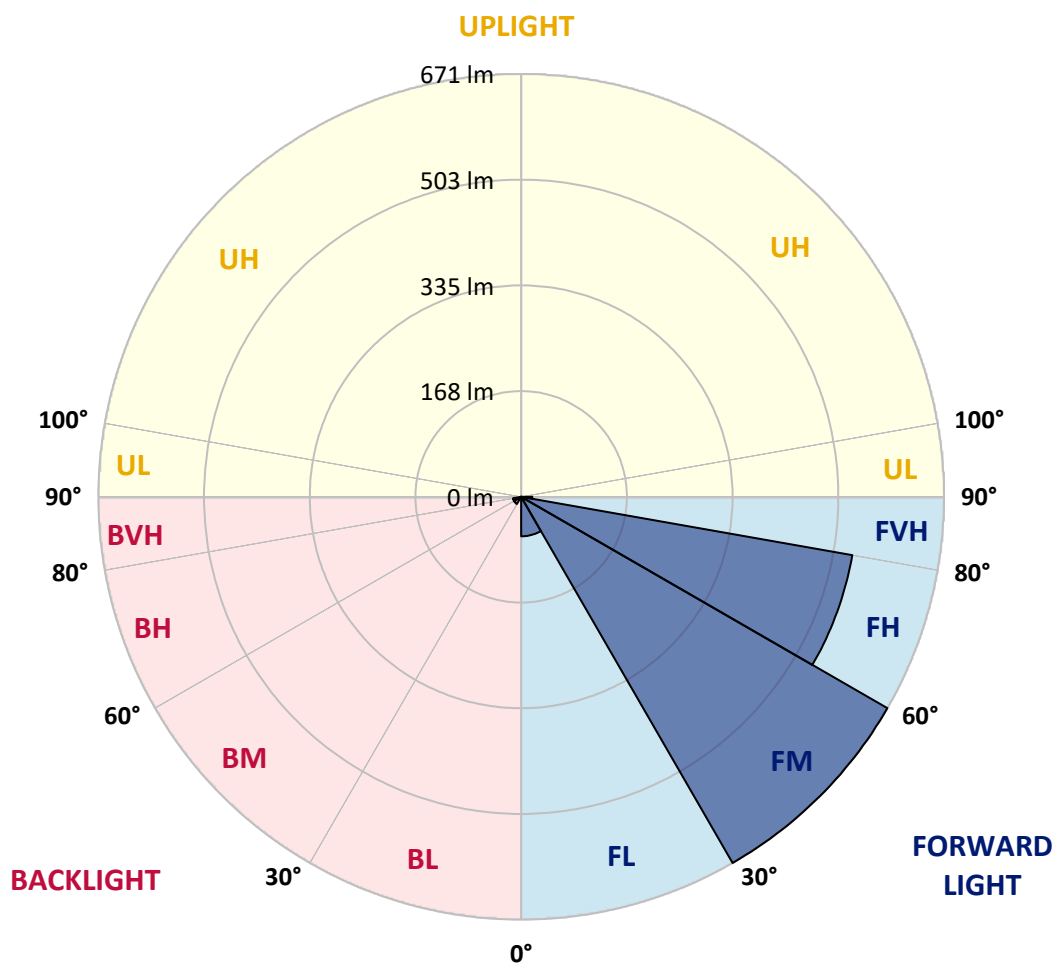
CATALOG NUMBER: UTLD-E01-LED-E-U-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.6	4.8			
FM	(30°-60°)	670.8	51.0			
FH	(60°-80°)	533.4	40.6			G0/660
FVH	(80°-90°)	17.7	1.3			G1/100
BL	(0°-30°)	3.7	0.3	B0/110		
BM	(30°-60°)	13.1	1.0	B0/220		
BH	(60°-80°)	12.9	1.0	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	25.1	24.7	23.7	22.8	22.4	21.5	21.0	20.1	20.1	19.6	20.1
5°	36.5	34.7	32.9	31.5	30.1	28.8	26.0	24.2	23.7	23.7	22.8
7.5°	69.0	66.2	64.4	61.7	56.6	42.9	32.0	29.7	29.2	28.8	27.9
10°	78.5	78.1	77.2	74.0	69.9	62.6	55.3	37.9	37.0	35.6	36.1
12.5°	112.8	111.4	112.3	106.4	97.7	79.9	72.6	64.8	63.0	61.7	56.6
15°	154.4	152.1	122.8	118.7	111.0	110.1	83.6	74.9	73.1	69.9	66.7
17.5°	163.5	164.9	162.6	153.0	136.1	121.9	119.2	95.0	92.2	90.9	87.2
20°	210.5	210.5	201.4	166.2	166.7	152.5	137.9	121.0	109.1	106.4	110.1
22.5°	217.4	218.3	215.6	218.3	179.0	180.4	181.8	171.7	167.6	162.6	156.2
25°	254.4	255.7	249.3	223.8	231.5	209.6	210.5	197.7	191.3	201.9	200.0
27.5°	289.1	290.0	253.5	253.0	244.8	252.5	263.5	252.1	248.9	244.3	235.6
30°	304.1	306.0	294.6	305.5	291.4	274.9	289.1	305.5	302.3	294.6	296.8
32.5°	369.5	370.4	364.0	328.8	327.9	328.3	349.4	337.9	333.8	324.7	326.1
35°	449.8	449.4	399.1	390.9	368.1	382.2	383.2	394.1	380.0	390.0	380.4
37.5°	514.2	511.5	478.6	469.9	439.8	427.4	436.1	428.4	418.8	427.0	423.8
40°	570.8	573.6	558.5	523.8	506.5	488.2	485.9	464.4	473.6	466.7	465.8
42.5°	615.6	620.2	611.0	577.7	553.5	550.3	540.7	514.2	528.8	516.0	517.9
45°	670.9	669.5	652.6	617.9	601.4	605.6	611.5	590.9	591.9	587.3	576.8
47.5°	723.4	722.9	712.4	663.5	643.0	653.5	687.8	683.2	666.3	673.1	648.9
50°	768.1	768.6	756.3	701.9	675.9	700.5	767.2	772.7	764.5	766.8	738.4
52.5°	783.7	784.6	779.1	723.8	696.9	734.3	831.6	859.9	868.1	870.4	839.4
55°	768.1	771.3	770.0	722.0	696.4	749.4	887.8	945.3	966.8	978.7	959.9
57.5°	738.9	741.6	747.1	717.0	691.9	754.4	937.6	1062.2	1100.6	1125.2	1131.6
60°	704.6	707.8	724.3	711.5	685.0	745.8	964.0	1167.7	1236.2	1290.6	1376.4
62.5°	658.1	661.3	675.0	662.2	633.9	685.0	904.7	1196.9	1292.4	1370.0	1529.9
63°	642.1	643.9	654.4	639.8	614.2	661.3	879.1	1198.8	1300.2	1381.4	1562.3
65°	505.1	508.7	520.6	505.1	499.6	546.6	733.4	1139.9	1279.6	1367.7	1590.1
67.5°	275.8	280.4	298.2	291.4	322.9	375.8	486.4	832.1	1023.4	1148.5	1402.0
70°	200.5	200.5	215.6	220.1	235.6	276.7	321.0	422.9	534.3	680.0	1003.8
72.5°	145.7	148.9	161.7	174.4	196.8	246.6	316.5	245.7	253.0	298.2	528.4
75°	72.6	79.0	93.2	108.2	131.5	187.7	335.2	254.8	231.5	225.6	269.9
77.5°	16.9	17.4	28.3	55.7	67.1	107.8	265.3	311.5	280.4	265.3	237.5
80°	8.7	9.1	11.4	27.9	30.6	38.8	139.3	328.8	332.5	323.3	266.7
82.5°	4.6	4.6	6.9	11.9	11.9	13.7	39.7	200.0	277.2	314.6	307.8
85°	1.8	1.8	4.1	5.9	6.4	5.9	11.0	78.5	138.8	180.4	241.6
87.5°	0.5	0.5	1.4	2.3	2.7	3.2	5.0	14.6	24.2	33.3	55.7
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	19.6	19.6	19.6	19.2	19.2	19.2	19.2	18.7	18.7	18.7	17.4
5°	22.4	22.4	21.9	21.5	21.5	21.0	21.0	21.0	20.6	20.6	20.1
7.5°	27.4	26.9	26.5	25.6	25.1	24.7	24.7	23.7	23.3	22.8	22.4
10°	36.1	35.6	34.3	33.3	32.4	31.5	30.6	30.1	29.2	28.8	27.9
12.5°	49.3	42.9	41.6	40.2	38.4	37.0	36.1	35.2	34.7	33.3	33.8
15°	71.2	69.9	68.5	67.6	65.3	55.3	51.1	50.2	48.4	47.0	45.2
17.5°	86.3	84.9	81.7	76.7	75.8	74.0	71.7	69.4	58.5	53.0	51.1
20°	111.9	109.6	112.8	111.9	108.2	104.6	100.5	98.2	95.4	90.4	82.2
22.5°	140.2	140.2	136.1	133.3	128.8	122.8	122.4	117.4	107.8	104.1	102.8
25°	200.0	202.8	194.5	184.0	183.1	177.6	164.4	157.6	153.0	148.0	145.7
27.5°	237.5	228.8	221.0	220.6	215.1	198.2	190.9	187.2	189.5	177.6	170.3
30°	287.2	280.9	279.0	270.8	260.8	248.4	246.1	241.1	228.3	211.4	201.9
32.5°	321.5	324.7	330.6	321.5	309.6	306.4	305.1	291.4	274.0	262.6	251.6
35°	385.9	381.3	372.6	358.5	354.8	354.8	344.8	324.2	311.9	304.6	301.9
37.5°	422.9	416.0	403.2	396.4	398.2	395.0	371.7	360.3	354.8	353.0	335.2
40°	462.6	449.4	438.0	439.8	443.9	421.1	408.3	401.9	403.7	389.1	366.7
42.5°	507.4	490.0	484.1	494.6	473.1	456.2	446.2	449.8	442.1	421.1	406.4
45°	559.0	541.6	545.3	542.1	515.6	500.1	501.4	493.7	479.1	463.1	448.9
47.5°	620.6	611.9	622.9	590.9	568.1	563.1	559.9	544.4	525.2	512.4	499.1
50°	712.0	716.5	706.5	668.6	647.6	646.2	627.9	605.1	589.6	568.1	547.6
52.5°	833.4	846.7	816.5	786.4	773.6	764.0	733.9	707.8	681.8	655.8	625.2
55°	964.5	990.5	956.7	943.0	938.9	944.9	909.2	882.8	850.8	814.7	777.3
57.5°	1183.7	1190.6	1168.2	1187.4	1202.4	1204.7	1213.8	1194.2	1181.9	1171.4	1134.8
60°	1465.0	1476.9	1497.9	1565.5	1592.9	1631.7	1641.3	1666.9	1672.3	1681.5	1651.8
62.5°	1614.8	1640.8	1708.0	1787.4	1822.1	1859.1	1888.8	1912.1	1930.4	1960.0	1908.4
63°	1632.6	1659.1	1729.9	1804.3	1840.9	1878.8	1906.6	1924.9	1945.9	1966.9	1919.9
65°	1629.9	1659.1	1749.1	1788.8	1828.1	1849.1	1874.2	1875.6	1914.4	1884.7	1879.7
67.5°	1445.4	1522.6	1585.6	1628.5	1661.8	1678.3	1688.8	1701.6	1727.6	1681.0	1707.1
70°	1133.9	1232.6	1288.7	1341.7	1384.6	1397.0	1406.1	1446.3	1410.7	1414.8	1407.5
72.5°	645.3	798.3	893.7	950.8	1021.6	1034.4	1055.8	1089.6	1044.0	1067.2	1046.7
75°	346.2	406.0	489.1	547.6	575.9	603.3	629.8	609.7	596.9	569.0	563.5
77.5°	249.3	255.7	262.6	257.6	250.3	248.4	237.0	215.1	209.2	191.8	183.1
80°	249.8	226.1	198.7	163.9	127.4	111.0	104.1	101.8	101.8	101.8	95.9
82.5°	282.7	253.0	217.8	174.4	135.2	106.4	88.1	85.4	83.6	83.6	78.1
85°	229.7	226.5	200.9	160.7	126.0	95.4	74.0	60.3	55.3	49.3	47.0
87.5°	55.7	58.0	50.7	44.3	37.0	29.2	25.6	20.6	17.4	16.0	15.1
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
2.5°	17.4	16.9	16.4	16.4	16.0	13.7	11.9	10.5	9.6	9.1	8.7
5°	20.1	19.6	19.6	19.2	19.2	15.5	10.5	9.1	8.2	7.3	7.3
7.5°	21.9	21.5	21.5	21.0	20.6	18.7	10.5	8.7	6.9	7.3	3.7
10°	27.4	26.9	26.0	25.6	25.1	23.7	12.8	9.1	8.2	3.2	2.7
12.5°	33.3	32.0	31.1	30.1	28.3	24.2	12.8	9.6	5.0	4.1	4.6
15°	42.9	41.1	39.3	37.9	36.5	31.5	16.9	11.9	5.5	5.0	5.0
17.5°	48.9	46.6	44.8	44.3	43.4	31.5	16.4	8.2	6.4	6.4	5.0
20°	74.9	74.4	70.3	65.3	60.7	46.6	22.4	10.5	8.7	6.4	6.4
22.5°	98.2	86.3	80.4	73.1	69.0	55.7	22.8	11.4	10.0	7.8	5.9
25°	134.3	121.5	114.6	104.6	100.9	69.9	25.1	14.6	11.4	8.2	6.9
27.5°	163.5	154.4	150.2	145.2	132.9	86.8	29.2	15.5	11.4	9.1	6.9
30°	190.4	190.9	178.6	163.0	150.7	103.7	31.1	16.9	11.9	8.7	6.9
32.5°	250.3	235.6	214.6	200.9	188.2	119.2	33.8	18.3	11.4	8.7	6.9
35°	285.0	262.6	250.7	238.4	221.9	142.0	37.0	17.8	11.4	8.2	6.4
37.5°	313.3	296.4	284.5	266.7	249.3	159.4	38.8	16.4	11.0	7.8	5.5
40°	348.9	337.0	315.6	300.0	282.2	166.7	40.2	15.1	10.0	6.9	4.6
42.5°	390.5	373.1	353.0	338.4	308.3	189.5	44.3	14.2	9.1	5.9	4.1
45°	433.8	411.5	398.7	368.1	332.9	206.0	47.5	13.7	8.2	5.0	3.2
47.5°	474.5	460.8	432.9	394.1	378.1	231.5	46.6	12.8	7.3	4.1	2.3
50°	530.7	511.9	474.0	452.1	426.1	252.1	45.2	12.3	6.4	3.7	1.8
52.5°	609.2	569.5	539.8	514.7	470.8	280.9	44.3	11.4	5.5	2.7	0.9
55°	736.2	674.1	637.5	590.5	542.5	314.6	42.0	10.0	5.0	2.3	0.9
57.5°	1044.0	976.8	898.3	808.8	723.4	393.7	41.1	9.1	4.1	1.4	0.5
60°	1589.7	1545.8	1430.3	1285.5	1164.5	553.9	44.3	7.8	3.2	0.9	0.5
62.5°	1908.0	1867.8	1785.6	1681.0	1518.4	722.0	49.8	6.4	2.3	0.9	0.5
63°	1928.5	1896.1	1815.3	1712.5	1565.9	745.3	52.5	6.4	2.3	0.9	0.5
65°	1890.2	1861.9	1816.7	1736.7	1641.3	812.9	60.7	5.9	1.8	0.9	0.5
67.5°	1697.5	1667.3	1636.3	1602.9	1534.9	834.8	66.7	5.5	1.4	0.9	0.5
70°	1403.8	1376.4	1342.6	1328.0	1291.0	780.5	69.9	5.0	1.4	0.9	0.5
72.5°	1024.8	993.3	965.9	926.1	891.0	590.5	51.6	5.0	0.9	0.9	0.5
75°	520.6	487.7	424.3	394.6	364.0	247.5	21.0	4.1	0.9	0.9	0.5
77.5°	152.1	136.5	110.5	89.5	68.0	44.3	7.8	2.7	0.9	0.9	0.5
80°	90.0	76.3	63.0	49.8	40.2	21.5	4.6	1.8	0.9	1.4	0.5
82.5°	73.5	65.8	54.3	44.8	35.2	16.0	3.2	1.8	1.4	1.4	0.5
85°	42.5	38.4	32.4	26.0	21.9	11.4	2.3	1.8	1.4	1.8	0.5
87.5°	15.5	14.2	13.2	12.8	11.9	8.2	2.3	2.3	1.8	2.3	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°	12.8	12.8	12.8	12.8	12.8
2.5°	8.2	8.7	8.7	8.7	8.7
5°	7.8	7.8	6.9	5.5	5.5
7.5°	3.2	3.7	3.7	3.7	3.7
10°	2.7	4.6	5.0	5.0	5.0
12.5°	4.1	4.1	4.6	4.6	5.0
15°	4.1	5.0	5.5	5.5	5.5
17.5°	5.5	4.6	5.0	5.0	5.5
20°	5.0	5.5	5.5	5.5	5.5
22.5°	5.9	5.5	5.0	5.5	5.5
25°	5.5	5.5	5.0	5.0	5.0
27.5°	5.5	5.0	5.0	5.0	5.0
30°	5.5	5.0	4.6	4.6	4.6
32.5°	5.0	4.6	4.6	4.1	4.1
35°	4.6	3.7	4.1	4.1	4.1
37.5°	4.1	3.2	3.2	3.7	3.2
40°	3.2	2.7	2.3	2.7	2.7
42.5°	2.3	1.8	1.8	1.8	1.8
45°	1.8	0.9	0.9	0.9	0.9
47.5°	0.9	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°	0.9	0.9	0.9	0.5	0.5
80°	1.4	0.9	0.9	0.5	0.5
82.5°	1.4	1.4	1.4	0.9	0.5
85°	1.8	1.4	1.4	1.4	0.5
87.5°	2.3	1.8	1.8	1.4	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)