

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: P179362

Luminaire Tested: **UTLD-E02-LED-E-U-T3-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179362
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-E02-LED-E-U-T3-HSS-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2926.2 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 52.1
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



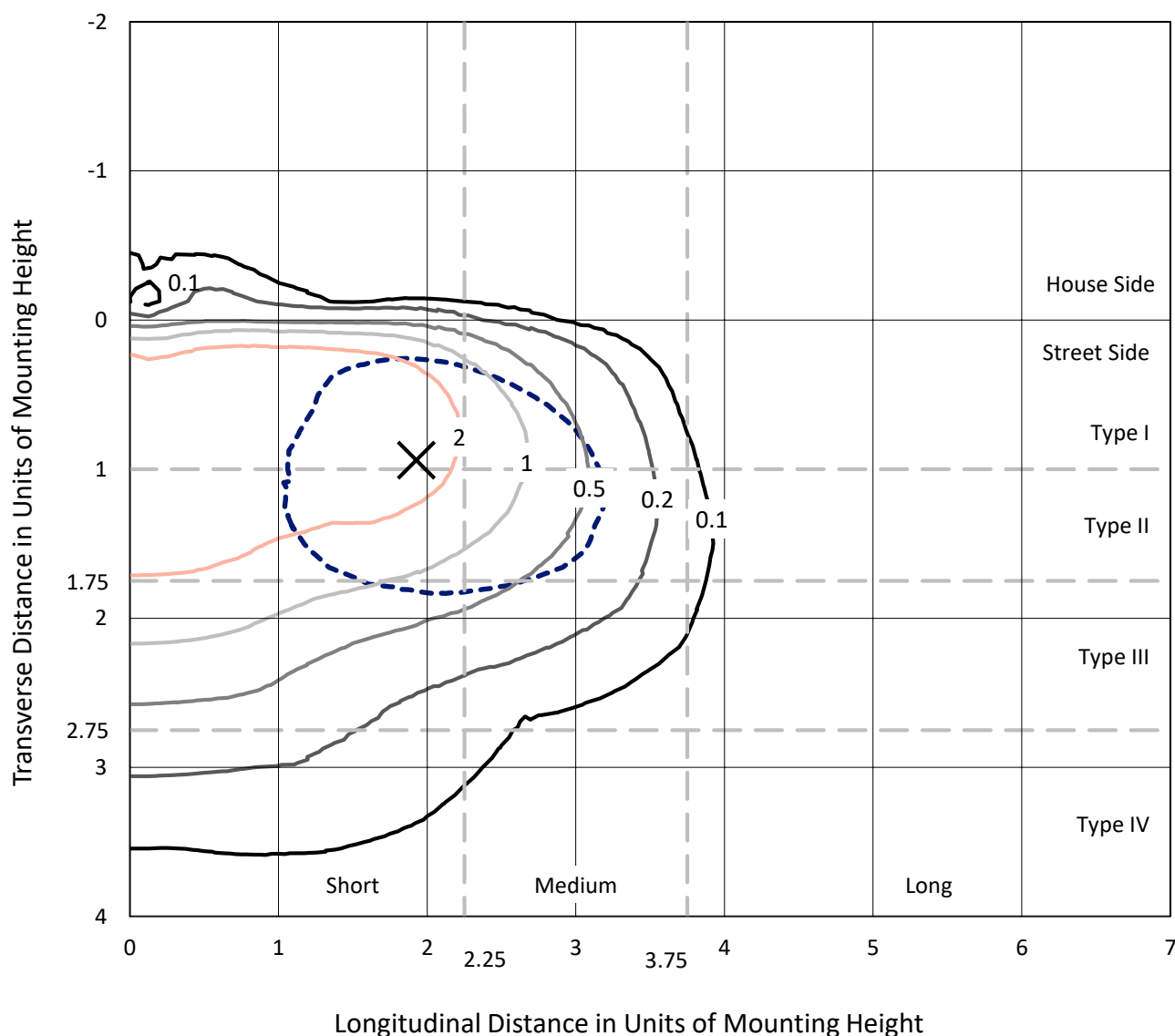
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

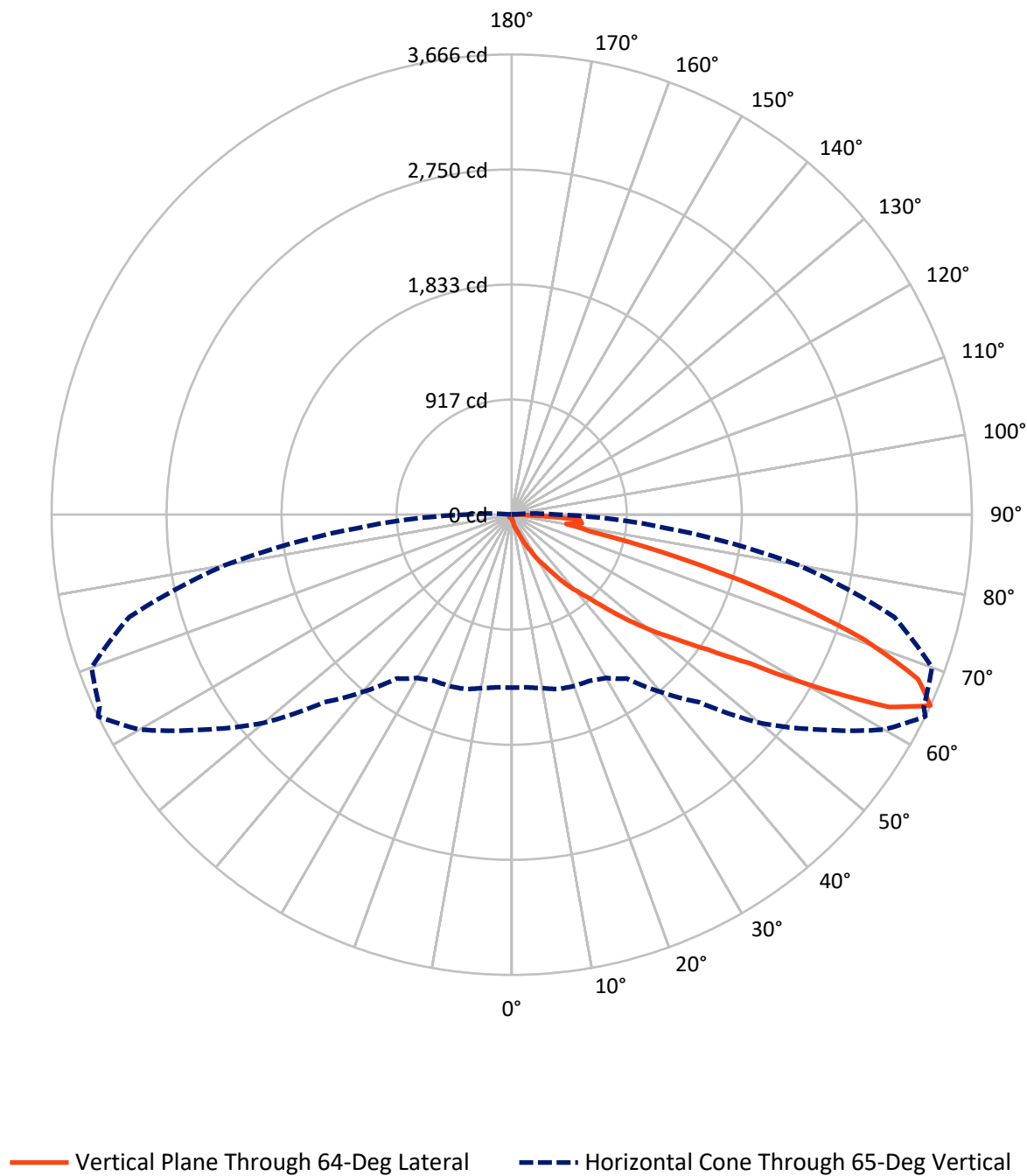


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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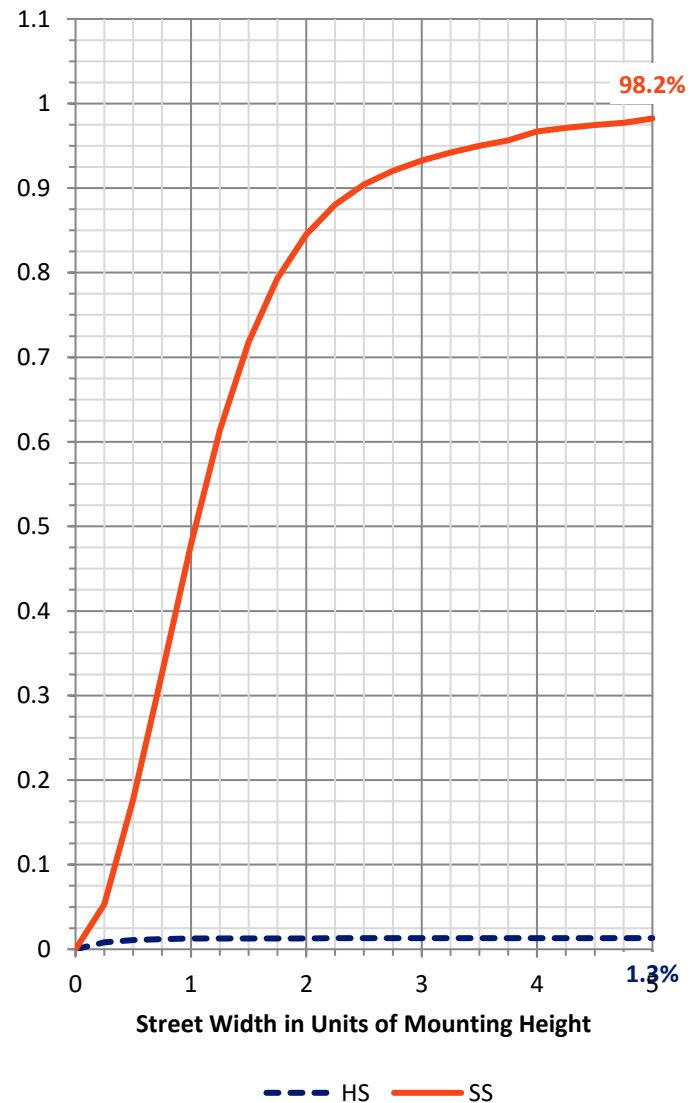
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39.8	0.0	39.8
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	2886.3	0.0	2886.3
	% Fixture	98.6	0.0	98.6
Total	Lumens	2926.2	0.0	2926.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	25.3	0.9
20°-30°	79.3	2.7
30°-40°	192.6	6.6
40°-50°	408.3	14.0
50°-60°	735.3	25.1
60°-70°	984.6	33.6
70°-80°	425.6	14.5
80°-90°	71.4	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°	2926.2	100.0
0°-180°	2926.2	100.0

Coefficient of Utilization



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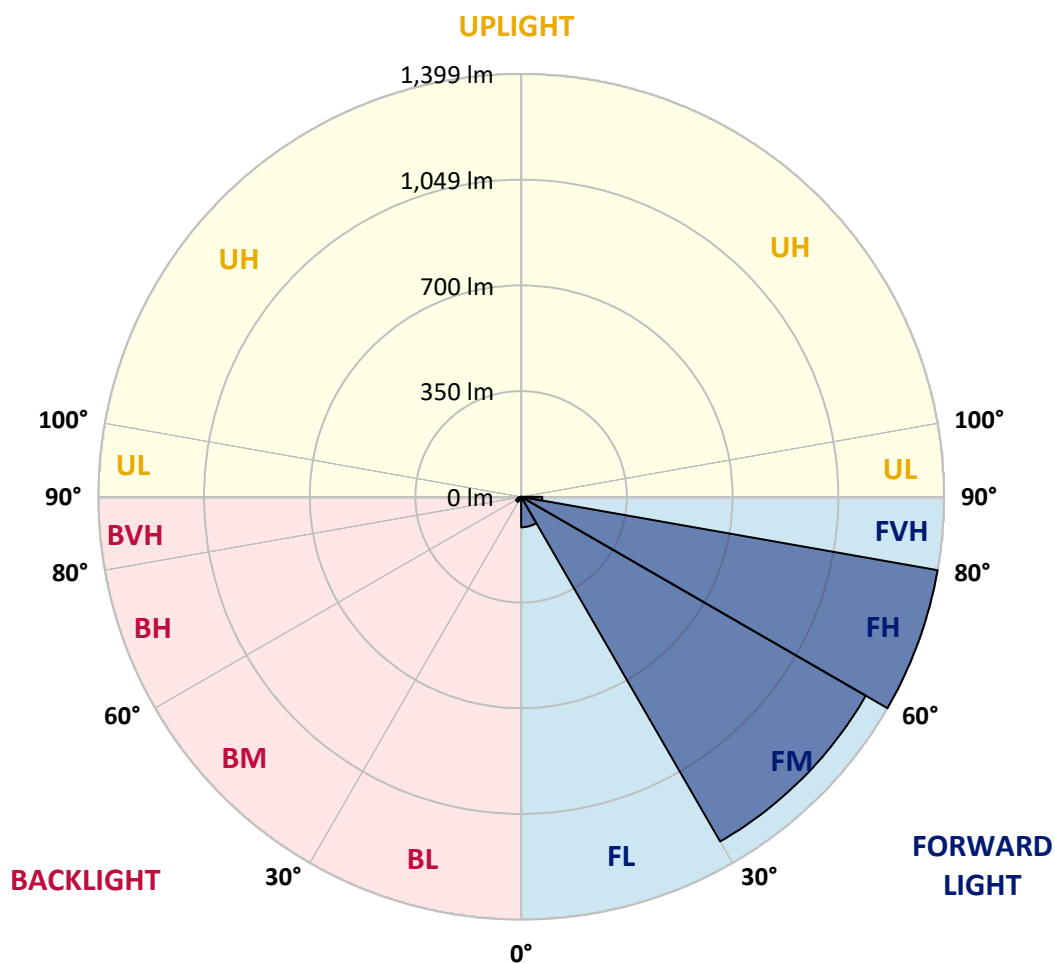
CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.7	3.4			
FM	(30°-60°)	1316.8	45.0			
FH	(60°-80°)	1399.1	47.8			G1/1800
FVH	(80°-90°)	69.7	2.4			G1/100
BL	(0°-30°)	7.7	0.3	B0/110		
BM	(30°-60°)	19.5	0.7	B0/220		
BH	(60°-80°)	11.0	0.4	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	42.1	42.1	41.0	42.1	41.0	40.0	40.0	39.0	39.0	38.0	38.0
5°	61.6	61.6	60.5	58.5	56.4	55.4	54.4	51.3	50.3	49.3	47.2
7.5°	109.8	109.8	107.7	105.7	104.7	102.6	100.6	96.5	92.3	68.7	59.5
10°	140.6	138.5	136.5	132.4	131.3	126.2	121.1	118.0	113.9	103.6	96.5
12.5°	197.0	196.0	193.9	195.0	188.8	184.7	176.5	169.3	135.4	127.2	124.2
15°	259.6	243.2	227.8	213.4	209.3	205.2	192.9	193.9	202.1	184.7	144.7
17.5°	265.8	266.8	264.7	264.7	258.6	255.5	262.7	227.8	221.6	206.2	195.0
20°	334.5	335.5	333.5	311.9	282.2	271.9	287.3	277.0	277.0	252.4	237.0
22.5°	349.9	353.0	349.9	348.9	341.7	359.1	347.8	300.6	318.1	296.5	285.3
25°	424.8	426.9	425.8	416.6	429.9	377.6	369.4	392.0	370.4	344.8	356.1
27.5°	504.8	502.8	456.6	441.2	447.4	441.2	464.8	426.9	446.4	421.7	404.3
30°	542.8	545.9	541.8	524.3	524.3	540.8	498.7	514.1	499.7	462.8	524.3
32.5°	652.6	656.7	644.4	641.3	594.1	577.7	563.3	578.7	542.8	569.5	584.9
35°	781.9	783.9	765.5	686.5	685.4	665.9	662.9	627.0	645.4	624.9	682.4
37.5°	889.6	884.5	854.7	816.8	818.8	778.8	736.7	739.8	710.1	712.1	766.5
40°	1032.3	1030.2	1008.7	977.9	932.7	882.5	856.8	844.5	820.9	804.5	855.8
42.5°	1164.6	1178.0	1168.7	1128.7	1062.0	1039.4	977.9	953.3	946.1	919.4	961.5
45°	1328.8	1327.8	1326.8	1286.7	1243.6	1196.4	1105.1	1091.8	1079.5	1076.4	1122.6
47.5°	1451.9	1453.0	1457.1	1430.4	1400.6	1333.9	1243.6	1240.6	1247.7	1240.6	1299.0
50°	1535.1	1544.3	1559.7	1553.5	1513.5	1468.4	1411.9	1401.7	1410.9	1406.8	1500.2
52.5°	1590.5	1601.8	1620.2	1631.5	1588.4	1568.9	1545.3	1532.0	1576.1	1577.1	1683.8
55°	1612.0	1624.3	1642.8	1665.4	1632.5	1636.6	1627.4	1625.4	1696.2	1712.6	1853.1
57.5°	1594.6	1605.9	1626.4	1654.1	1644.8	1678.7	1659.2	1668.4	1778.2	1821.3	2003.0
60°	1548.4	1558.7	1581.2	1627.4	1615.1	1655.1	1645.9	1690.0	1832.6	1928.1	2176.4
62.5°	1471.4	1483.7	1508.4	1552.5	1558.7	1593.5	1602.8	1677.7	1869.6	2035.8	2408.3
65°	1377.0	1380.1	1402.7	1438.6	1453.0	1460.1	1502.2	1593.5	1841.9	2111.7	2581.7
67.5°	1234.4	1241.6	1256.0	1277.5	1288.8	1250.8	1285.7	1380.1	1629.5	1952.7	2453.4
70°	875.3	874.2	906.1	998.4	1026.1	940.9	938.9	997.4	1201.6	1510.4	1962.9
72.5°	597.2	604.4	618.7	647.5	735.7	709.0	699.8	669.0	749.1	920.4	1297.0
75°	454.6	457.6	517.2	565.4	624.9	652.6	670.0	633.1	603.4	576.7	742.9
77.5°	154.9	168.3	197.0	269.9	421.7	514.1	571.5	624.9	660.8	633.1	613.6
80°	33.9	34.9	39.0	52.3	147.8	265.8	333.5	425.8	530.5	590.0	641.3
82.5°	14.4	15.4	18.5	22.6	34.9	98.5	138.5	160.1	216.5	286.3	466.9
85°	5.1	5.1	6.2	8.2	13.3	24.6	36.9	40.0	61.6	90.3	152.9
87.5°	2.1	2.1	2.1	3.1	4.1	6.2	7.2	8.2	10.3	21.5	51.3
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°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	38.0	36.9	36.9	36.9	35.9	32.8	30.8	26.7	24.6	22.6	21.5
5°	45.1	42.1	40.0	40.0	36.9	35.9	34.9	29.8	23.6	20.5	18.5
7.5°	54.4	50.3	47.2	46.2	42.1	36.9	34.9	31.8	23.6	19.5	17.4
10°	91.3	64.6	59.5	57.5	51.3	45.1	41.0	39.0	28.7	22.6	20.5
12.5°	115.9	102.6	92.3	81.1	60.5	54.4	46.2	39.0	29.8	22.6	18.5
15°	134.4	120.1	105.7	104.7	86.2	69.8	56.4	49.3	34.9	28.7	23.6
17.5°	193.9	149.8	130.3	129.3	109.8	77.0	64.6	48.2	38.0	27.7	22.6
20°	220.6	187.8	157.0	162.1	142.6	112.9	82.1	62.6	45.1	36.9	29.8
22.5°	283.2	254.5	219.6	197.0	165.2	133.4	90.3	69.8	51.3	38.0	30.8
25°	328.4	291.4	278.1	275.0	227.8	179.6	120.1	82.1	57.5	42.1	36.9
27.5°	406.3	378.6	333.5	328.4	259.6	197.0	150.8	97.5	63.6	46.2	39.0
30°	457.6	437.1	421.7	410.4	325.3	237.0	171.4	110.8	68.7	48.2	40.0
32.5°	558.2	519.2	485.3	467.9	412.5	299.6	207.3	127.2	74.9	51.3	44.1
35°	640.3	636.2	586.9	582.8	502.8	382.7	252.4	148.8	78.0	52.3	43.1
37.5°	748.0	724.4	700.8	688.5	613.6	470.0	308.9	182.6	91.3	54.4	43.1
40°	834.2	810.6	801.4	790.1	691.6	555.1	381.7	199.1	93.4	55.4	42.1
42.5°	944.0	907.1	915.3	903.0	798.3	669.0	454.6	238.1	100.6	55.4	40.0
45°	1083.6	1064.1	1073.3	1052.8	949.1	814.7	530.5	277.0	110.8	54.4	36.9
47.5°	1262.1	1250.8	1261.1	1225.2	1146.2	1006.6	689.5	347.8	124.2	53.4	34.9
50°	1451.9	1468.4	1454.0	1420.1	1386.3	1211.8	875.3	435.1	143.7	51.3	32.8
52.5°	1674.6	1676.7	1651.0	1650.0	1651.0	1479.6	1069.2	539.7	168.3	49.3	30.8
55°	1886.0	1911.6	1898.3	1913.7	1937.3	1819.3	1307.3	659.8	202.1	46.2	28.7
57.5°	2102.5	2193.8	2230.8	2279.0	2324.1	2259.5	1628.4	834.2	243.2	43.1	26.7
60°	2382.6	2630.9	2789.0	2847.4	2885.4	2753.0	2045.0	1056.9	302.7	40.0	23.6
62.5°	2744.8	3141.9	3374.9	3442.6	3391.3	3114.2	2287.2	1223.1	350.9	38.0	20.5
65°	2983.9	3424.1	3666.3	3623.2	3562.6	3155.3	2321.1	1238.5	361.2	33.9	18.5
67.5°	2842.3	3248.6	3490.8	3426.2	3382.0	2950.1	2080.9	1141.0	336.6	28.7	16.4
70°	2354.9	2766.4	2978.8	2925.4	2957.2	2503.7	1702.3	966.6	298.6	24.6	14.4
72.5°	1692.0	2015.3	2232.8	2200.0	2285.1	1799.8	1253.9	760.3	248.3	20.5	12.3
75°	1033.3	1329.8	1382.2	1331.9	1271.3	918.4	605.4	413.5	160.1	15.4	9.2
77.5°	632.1	725.5	640.3	648.5	511.0	229.8	113.9	85.2	45.1	12.3	6.2
80°	602.3	544.9	440.2	427.9	294.5	89.3	50.3	38.0	19.5	9.2	5.1
82.5°	629.0	659.8	563.3	521.3	311.9	79.0	41.0	30.8	15.4	7.2	4.1
85°	260.6	588.0	545.9	497.7	288.3	61.6	32.8	22.6	10.3	5.1	4.1
87.5°	101.6	168.3	154.9	138.5	91.3	30.8	25.7	18.5	7.2	4.1	4.1
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°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	20.5	19.5	18.5	18.5	17.4	17.4	16.4	16.4	16.4	16.4	16.4
5°	17.4	16.4	15.4	14.4	13.3	13.3	14.4	15.4	15.4	16.4	15.4
7.5°	15.4	14.4	12.3	13.3	13.3	11.3	8.2	7.2	7.2	8.2	8.2
10°	16.4	14.4	15.4	9.2	7.2	6.2	7.2	7.2	7.2	9.2	11.3
12.5°	16.4	17.4	12.3	11.3	10.3	9.2	11.3	10.3	9.2	10.3	10.3
15°	21.5	15.4	13.3	11.3	12.3	13.3	12.3	11.3	10.3	10.3	11.3
17.5°	18.5	16.4	15.4	17.4	16.4	13.3	12.3	13.3	13.3	12.3	11.3
20°	24.6	21.5	20.5	17.4	15.4	15.4	15.4	13.3	12.3	12.3	13.3
22.5°	27.7	23.6	23.6	21.5	19.5	15.4	15.4	14.4	14.4	13.3	12.3
25°	32.8	30.8	26.7	21.5	20.5	18.5	17.4	14.4	14.4	13.3	13.3
27.5°	34.9	30.8	26.7	24.6	21.5	17.4	17.4	14.4	13.3	13.3	12.3
30°	36.9	31.8	27.7	24.6	21.5	18.5	17.4	14.4	13.3	12.3	12.3
32.5°	39.0	32.8	26.7	23.6	20.5	17.4	16.4	14.4	12.3	11.3	11.3
35°	36.9	30.8	26.7	23.6	19.5	16.4	15.4	13.3	11.3	11.3	10.3
37.5°	34.9	28.7	24.6	21.5	18.5	15.4	13.3	11.3	10.3	9.2	9.2
40°	32.8	26.7	22.6	19.5	16.4	14.4	12.3	9.2	8.2	7.2	7.2
42.5°	29.8	24.6	20.5	17.4	14.4	11.3	10.3	8.2	6.2	5.1	5.1
45°	28.7	22.6	18.5	15.4	12.3	10.3	8.2	6.2	4.1	3.1	3.1
47.5°	26.7	20.5	16.4	13.3	10.3	8.2	6.2	4.1	3.1	2.1	2.1
50°	24.6	19.5	14.4	11.3	8.2	6.2	4.1	3.1	2.1	1.0	1.0
52.5°	22.6	17.4	12.3	9.2	7.2	5.1	3.1	2.1	1.0	1.0	0.0
55°	20.5	14.4	11.3	8.2	5.1	3.1	2.1	1.0	1.0	0.0	0.0
57.5°	17.4	12.3	9.2	6.2	4.1	2.1	1.0	1.0	1.0	0.0	0.0
60°	15.4	10.3	7.2	5.1	3.1	2.1	1.0	1.0	0.0	0.0	0.0
62.5°	13.3	9.2	6.2	4.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
65°	11.3	7.2	5.1	3.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0
67.5°	10.3	6.2	4.1	3.1	2.1	1.0	1.0	1.0	1.0	1.0	0.0
70°	9.2	5.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	7.2	4.1	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
75°	5.1	3.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0
77.5°	4.1	3.1	2.1	2.1	2.1	2.1	1.0	2.1	2.1	2.1	2.1
80°	3.1	2.1	2.1	3.1	3.1	3.1	1.0	2.1	2.1	2.1	2.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	1.0	3.1	3.1	3.1	2.1
85°	3.1	3.1	3.1	3.1	4.1	4.1	1.0	4.1	4.1	3.1	3.1
87.5°	4.1	3.1	4.1	4.1	4.1	5.1	1.0	4.1	4.1	4.1	4.1
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°	25.7	25.7	25.7	25.7	25.7
2.5°	16.4	17.4	17.4	17.4	17.4
5°	14.4	13.3	13.3	13.3	13.3
7.5°	8.2	8.2	9.2	9.2	9.2
10°	12.3	12.3	12.3	12.3	12.3
12.5°	10.3	11.3	11.3	11.3	11.3
15°	12.3	12.3	13.3	13.3	13.3
17.5°	11.3	11.3	12.3	12.3	12.3
20°	12.3	13.3	13.3	13.3	13.3
22.5°	11.3	11.3	13.3	13.3	14.4
25°	13.3	12.3	12.3	13.3	12.3
27.5°	12.3	12.3	13.3	13.3	13.3
30°	12.3	11.3	11.3	12.3	12.3
32.5°	11.3	11.3	11.3	11.3	11.3
35°	10.3	10.3	11.3	11.3	11.3
37.5°	9.2	8.2	9.2	9.2	9.2
40°	7.2	7.2	7.2	8.2	8.2
42.5°	5.1	5.1	5.1	5.1	5.1
45°	3.1	3.1	3.1	3.1	3.1
47.5°	2.1	1.0	2.1	2.1	2.1
50°	1.0	1.0	1.0	1.0	1.0
52.5°	0.0	1.0	1.0	1.0	1.0
55°	0.0	1.0	1.0	1.0	1.0
57.5°	0.0	0.0	1.0	1.0	1.0
60°	0.0	0.0	1.0	1.0	1.0
62.5°	0.0	0.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0
67.5°	0.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	2.1	1.0	1.0
77.5°	2.1	2.1	2.1	2.1	1.0
80°	2.1	2.1	2.1	2.1	1.0
82.5°	2.1	2.1	3.1	2.1	1.0
85°	3.1	3.1	3.1	3.1	1.0
87.5°	3.1	3.1	4.1	4.1	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)