

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: P179316

Luminaire Tested: **UTLD-F03-LED-E-U-SL4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179316
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
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-SL4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4542.5 lumens
Efficiency: N/A
Efficacy: 58.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

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

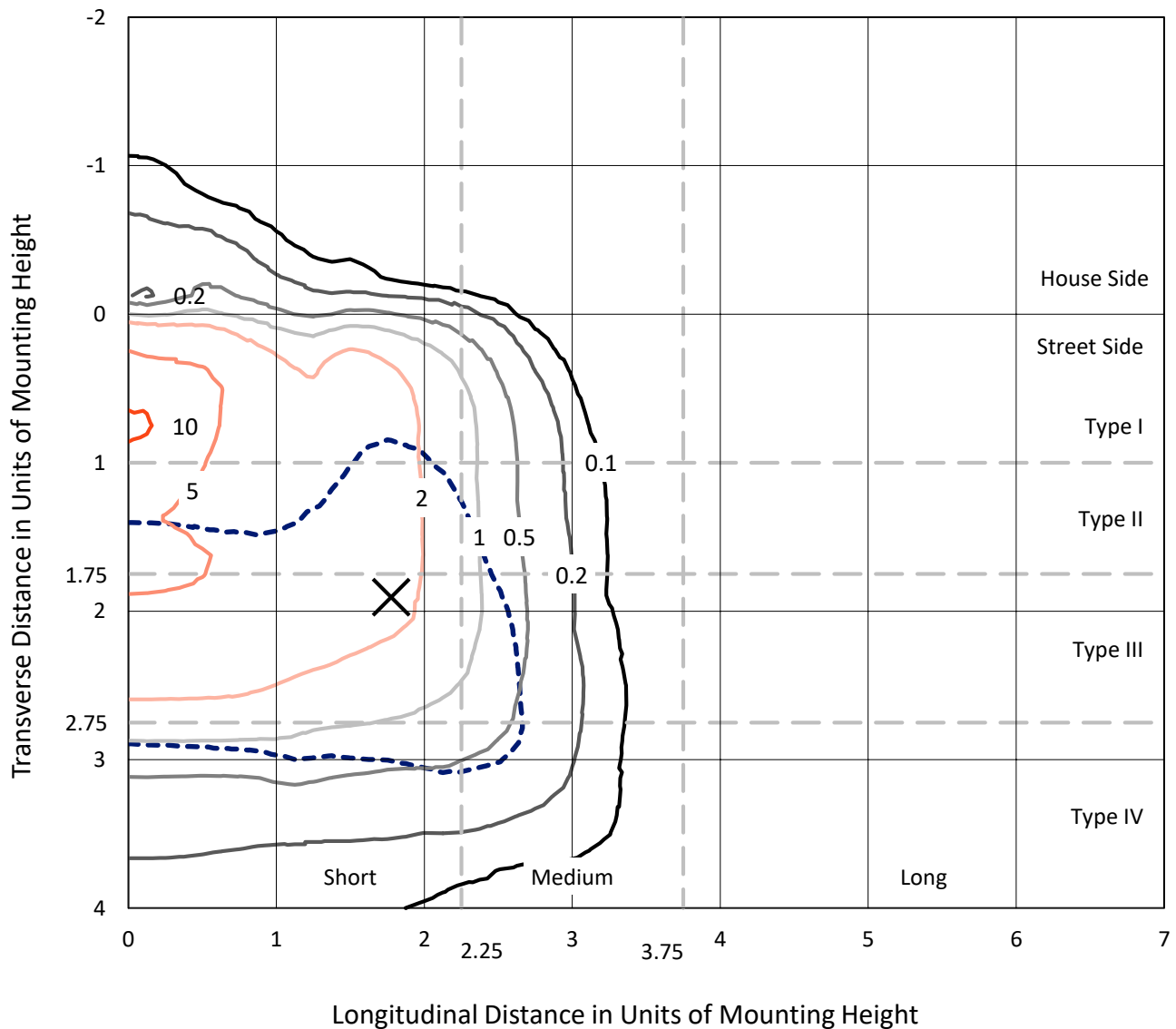


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

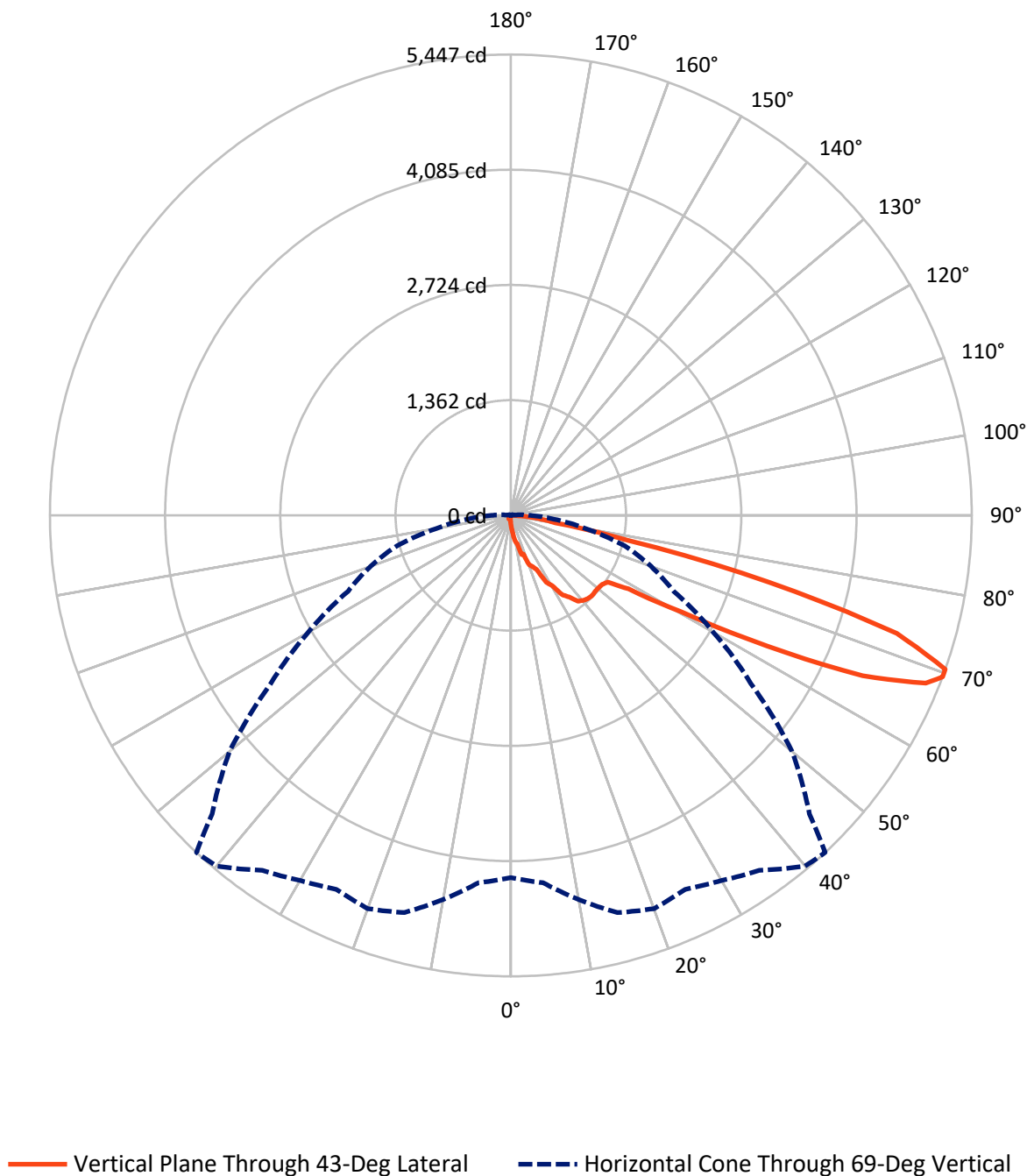


Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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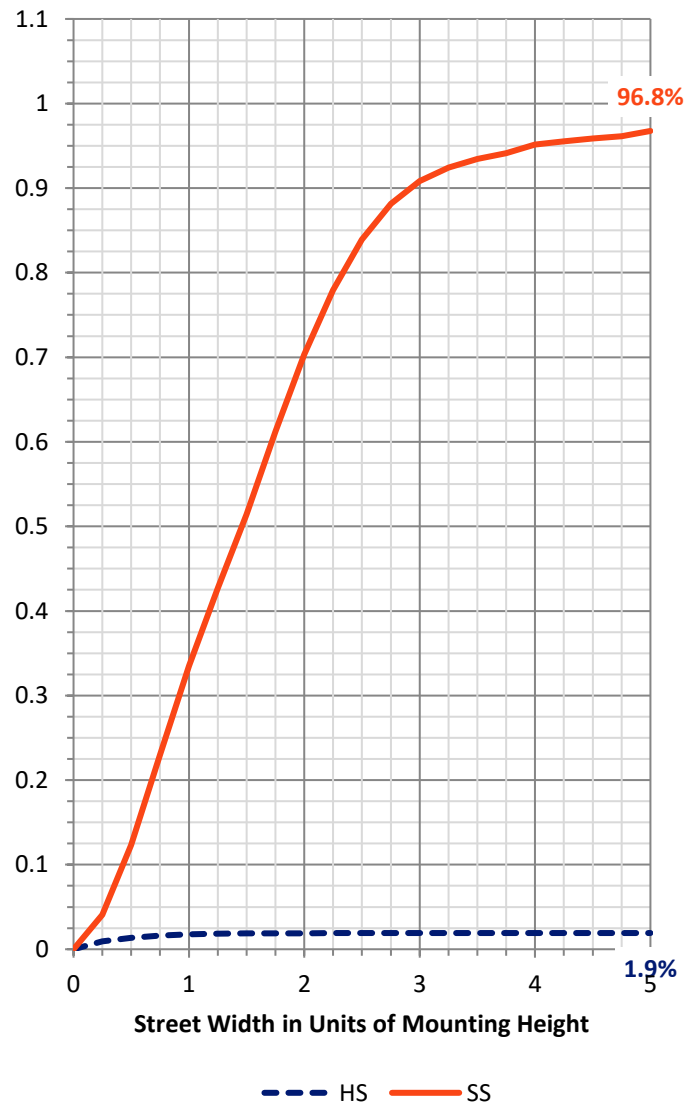
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	88.1	0.0	88.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4454.4	0.0	4454.4
	% Fixture	98.1	0.0	98.1
Total	Lumens	4542.5	0.0	4542.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.3
10°-20°	63.0	1.4
20°-30°	174.1	3.8
30°-40°	364.7	8.0
40°-50°	526.8	11.6
50°-60°	817.2	18.0
60°-70°	1725.5	38.0
70°-80°	767.4	16.9
80°-90°	91.1	2.0
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°	4542.5	100.0
0°-180°	4542.5	100.0

Coefficient of Utilization



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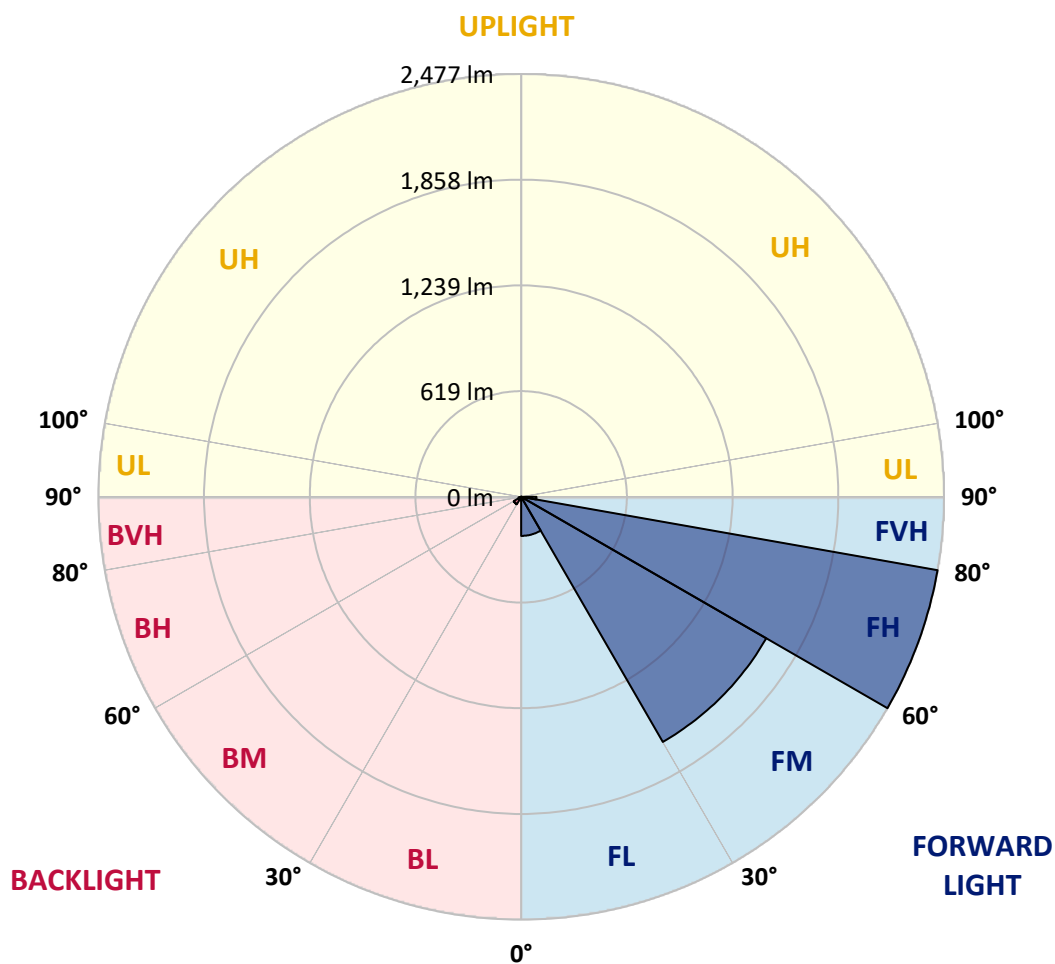
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.9	5.0			
FM	(30°-60°)	1658.5	36.5			
FH	(60°-80°)	2477.4	54.5			G2/5000
FVH	(80°-90°)	89.6	2.0			G1/100
BL	(0°-30°)	20.9	0.5	B0/110		
BM	(30°-60°)	50.3	1.1	B0/220		
BH	(60°-80°)	15.5	0.3	B0/110		G0/110
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	167.7	167.7	166.5	165.2	161.4	160.1	156.3	153.7	155.0	153.7	152.5
5°	214.7	210.9	205.8	198.2	195.7	191.9	189.3	183.0	180.4	179.2	176.6
7.5°	355.8	346.9	341.8	340.5	336.7	332.9	322.7	313.8	304.9	271.9	224.9
10°	382.5	383.7	385.0	377.4	379.9	367.2	354.5	346.9	341.8	322.7	311.3
12.5°	503.2	495.5	494.3	499.4	487.9	481.6	467.6	444.7	368.5	343.1	352.0
15°	583.2	593.4	556.5	512.1	501.9	491.7	462.5	467.6	501.9	479.0	453.6
17.5°	627.7	630.2	623.9	618.8	601.0	589.6	609.9	517.1	507.0	480.3	462.5
20°	786.5	789.1	777.6	724.2	658.2	625.1	644.2	608.6	595.9	622.6	529.8
22.5°	860.2	862.7	852.6	837.3	808.1	814.5	770.0	654.4	663.3	658.2	594.6
25°	1055.9	1062.2	1050.8	1025.4	1001.2	886.9	838.6	838.6	764.9	706.5	672.2
27.5°	1261.7	1237.6	1161.3	1128.3	1110.5	1052.1	1048.3	917.4	876.7	895.8	780.2
30°	1401.5	1405.3	1392.6	1338.0	1303.6	1288.4	1146.1	1074.9	979.6	963.1	850.0
32.5°	1675.9	1677.2	1650.5	1625.1	1466.3	1398.9	1301.1	1209.6	1068.6	1116.9	972.0
35°	1939.0	1945.3	1874.2	1731.8	1684.8	1557.8	1435.8	1280.8	1186.8	1184.2	1033.0
37.5°	2094.0	2094.0	2040.6	1937.7	1888.1	1712.8	1517.1	1401.5	1232.5	1285.9	1115.6
40°	2290.9	2285.8	2240.1	2119.4	1975.8	1771.2	1614.9	1456.1	1312.5	1320.2	1170.2
42.5°	2369.7	2363.3	2331.6	2209.6	2017.7	1843.7	1639.1	1471.4	1331.6	1341.8	1195.6
45°	2409.1	2402.7	2368.4	2235.0	2034.3	1852.6	1631.5	1462.5	1335.4	1348.1	1209.6
47.5°	2400.2	2391.3	2363.3	2251.5	2083.8	1846.2	1581.9	1443.4	1329.1	1341.8	1214.7
50°	2351.9	2349.4	2324.0	2223.6	2078.7	1820.8	1554.0	1424.4	1327.8	1343.0	1224.9
52.5°	2324.0	2326.5	2302.4	2232.5	2050.8	1811.9	1569.2	1430.7	1335.4	1353.2	1240.1
55°	2689.9	2642.9	2550.1	2404.0	2144.8	1888.1	1641.6	1476.5	1373.5	1391.3	1275.7
57.5°	3903.3	3860.1	3668.3	3313.8	2811.9	2304.9	1921.2	1688.6	1590.8	1639.1	1542.5
60°	4616.1	4566.6	4518.3	4358.2	3938.9	3486.6	2797.9	2419.2	2237.6	2313.8	2218.5
62.5°	4912.2	4908.4	4885.5	4856.3	4565.3	4358.2	3844.9	3478.9	3341.7	3397.6	3195.6
65°	5097.7	5121.8	5126.9	5142.2	4952.9	4795.3	4495.4	4401.4	4583.1	4570.4	4193.0
67.5°	4966.8	4980.8	5064.7	5195.5	5101.5	4955.4	4913.5	4991.0	5224.8	5290.8	4823.2
69°	4280.7	4356.9	4608.5	4858.8	4945.2	4875.3	4980.8	5120.6	5409.0	5447.1	4992.2
70°	3412.9	3550.1	3832.2	4355.7	4562.8	4571.7	4879.2	5099.0	5424.2	5445.8	5002.4
72.5°	1533.6	1559.0	1714.1	1992.3	2782.6	3052.0	3805.5	4490.3	4823.2	4772.4	4345.5
75°	1035.5	1047.0	1038.1	1050.8	1202.0	1446.0	1844.9	2857.6	3257.9	3153.7	2756.0
77.5°	857.7	856.4	839.9	828.4	833.5	869.1	866.6	991.1	1373.5	1411.7	1240.1
80°	768.7	761.1	747.1	724.2	700.1	665.8	630.2	561.6	514.6	532.4	470.1
82.5°	416.8	402.8	434.5	465.0	534.9	564.2	518.4	433.3	388.8	364.7	325.3
85°	97.8	94.0	110.5	153.7	263.0	268.1	260.5	214.7	186.8	174.1	157.6
87.5°	25.4	25.4	26.7	26.7	129.6	148.7	120.7	54.6	41.9	36.8	31.8
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	149.9	148.7	146.1	146.1	143.6	137.2	119.4	102.9	92.8	88.9	85.1
5°	170.3	165.2	158.8	152.5	146.1	142.3	139.8	113.1	87.7	81.3	75.0
7.5°	194.4	183.0	172.8	162.6	153.7	139.8	132.1	125.8	85.1	75.0	68.6
10°	293.5	280.8	196.9	195.7	174.1	158.8	152.5	146.1	101.6	86.4	75.0
12.5°	349.4	331.6	298.6	245.2	181.7	171.5	149.9	134.7	96.6	76.2	69.9
15°	371.0	349.4	315.1	299.9	233.8	203.3	171.5	155.0	106.7	91.5	75.0
17.5°	458.7	447.3	355.8	322.7	280.8	202.0	176.6	137.2	106.7	81.3	71.2
20°	496.8	467.6	401.5	382.5	340.5	277.0	210.9	181.7	130.9	106.7	81.3
22.5°	557.8	550.2	505.7	404.1	357.0	301.1	218.5	190.6	142.3	102.9	77.5
25°	668.3	587.0	528.6	513.3	443.4	369.7	277.0	209.7	153.7	108.0	85.1
27.5°	723.0	679.8	613.7	555.3	456.2	382.5	310.0	228.7	165.2	116.9	87.7
30°	872.9	725.5	676.0	616.2	509.5	405.3	315.1	238.9	163.9	114.4	88.9
32.5°	932.6	833.5	744.6	648.0	573.0	454.9	349.4	242.7	170.3	118.2	97.8
35°	1015.2	892.0	825.9	730.6	617.5	494.3	358.3	250.3	161.4	114.4	96.6
37.5°	1085.1	953.0	845.0	757.3	635.3	505.7	369.7	257.9	166.5	111.8	92.8
40°	1122.0	982.2	858.9	776.3	634.0	512.1	391.3	249.0	161.4	109.3	86.4
42.5°	1152.4	1013.9	881.8	796.7	659.4	540.0	397.7	261.7	160.1	109.3	80.0
45°	1172.8	1043.2	932.6	820.8	692.5	570.5	406.6	264.3	162.6	109.3	75.0
47.5°	1184.2	1078.8	983.5	856.4	750.9	630.2	458.7	288.4	166.5	105.5	69.9
50°	1199.5	1116.9	1025.4	902.1	813.2	664.5	498.1	301.1	171.5	99.1	66.1
52.5°	1210.9	1137.2	1053.3	959.3	902.1	771.3	595.9	360.9	185.5	95.3	62.3
55°	1265.5	1227.4	1222.3	1249.0	1289.7	1264.3	1024.1	620.1	285.9	111.8	71.2
57.5°	1627.7	1696.3	1820.8	1927.5	1897.0	1836.0	1472.6	857.7	387.5	122.0	82.6
60°	2369.7	2438.3	2487.9	2437.0	2266.8	2120.7	1660.7	972.0	432.0	101.6	64.8
62.5°	3171.5	3045.7	2893.2	2664.5	2472.6	2193.1	1748.4	1036.8	443.4	86.4	48.3
65°	3867.7	3471.3	3125.7	2715.3	2479.0	2182.9	1726.8	1010.1	424.4	71.2	39.4
67.5°	4289.6	3613.6	3074.9	2514.5	2170.2	1828.4	1334.1	776.3	325.3	57.2	33.0
69°	4337.9	3463.7	2767.4	2123.2	1764.9	1395.1	893.2	513.3	227.4	48.3	29.2
70°	4248.9	3256.6	2419.2	1777.6	1407.8	1035.5	650.6	377.4	163.9	43.2	28.0
72.5°	3431.9	2256.6	1387.5	874.2	617.5	429.5	263.0	153.7	69.9	31.8	24.1
75°	1881.8	969.5	548.9	363.4	282.1	216.0	148.7	82.6	40.7	26.7	20.3
77.5°	692.5	437.1	313.8	249.0	163.9	94.0	63.5	47.0	33.0	21.6	15.2
80°	415.5	303.7	221.1	118.2	78.8	59.7	45.7	36.8	26.7	16.5	10.2
82.5°	265.6	180.4	95.3	69.9	55.9	44.5	35.6	30.5	19.1	11.4	5.1
85°	122.0	72.4	57.2	49.6	43.2	39.4	36.8	30.5	15.2	6.4	3.8
87.5°	28.0	26.7	31.8	29.2	28.0	26.7	24.1	20.3	7.6	5.1	3.8
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°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4
2.5°	82.6	80.0	77.5	76.2	73.7	73.7	71.2	71.2	69.9	68.6	69.9
5°	69.9	67.3	64.8	62.3	59.7	57.2	58.4	59.7	59.7	61.0	53.4
7.5°	64.8	61.0	55.9	53.4	52.1	25.4	20.3	19.1	17.8	19.1	19.1
10°	66.1	59.7	55.9	22.9	16.5	16.5	16.5	16.5	17.8	21.6	26.7
12.5°	62.3	54.6	29.2	26.7	24.1	22.9	26.7	25.4	25.4	25.4	25.4
15°	69.9	39.4	30.5	26.7	29.2	31.8	31.8	30.5	25.4	25.4	30.5
17.5°	44.5	36.8	34.3	40.7	39.4	33.0	30.5	34.3	35.6	33.0	29.2
20°	58.4	52.1	47.0	40.7	38.1	38.1	41.9	35.6	33.0	34.3	35.6
22.5°	59.7	55.9	58.4	54.6	50.8	40.7	39.4	38.1	39.4	36.8	35.6
25°	75.0	76.2	68.6	55.9	53.4	49.6	45.7	38.1	39.4	35.6	38.1
27.5°	80.0	75.0	68.6	66.1	61.0	49.6	49.6	41.9	39.4	39.4	34.3
30°	83.9	76.2	71.2	64.8	58.4	54.6	48.3	43.2	39.4	38.1	36.8
32.5°	88.9	78.8	68.6	63.5	58.4	50.8	49.6	43.2	39.4	35.6	35.6
35°	82.6	73.7	67.3	62.3	53.4	48.3	45.7	41.9	36.8	35.6	33.0
37.5°	75.0	67.3	62.3	55.9	50.8	44.5	43.2	38.1	35.6	33.0	31.8
40°	68.6	61.0	55.9	50.8	45.7	40.7	38.1	34.3	30.5	29.2	29.2
42.5°	64.8	55.9	49.6	45.7	40.7	36.8	34.3	30.5	28.0	26.7	26.7
45°	59.7	50.8	44.5	39.4	35.6	33.0	30.5	26.7	24.1	24.1	24.1
47.5°	57.2	47.0	40.7	35.6	31.8	29.2	26.7	22.9	20.3	21.6	21.6
50°	53.4	43.2	35.6	33.0	29.2	26.7	24.1	20.3	19.1	19.1	19.1
52.5°	49.6	38.1	31.8	29.2	26.7	24.1	20.3	16.5	15.2	16.5	15.2
55°	49.6	34.3	28.0	25.4	22.9	20.3	16.5	14.0	12.7	11.4	10.2
57.5°	58.4	34.3	24.1	22.9	20.3	16.5	12.7	10.2	8.9	6.4	5.1
60°	50.8	34.3	21.6	20.3	17.8	14.0	10.2	7.6	5.1	3.8	2.5
62.5°	35.6	26.7	19.1	17.8	14.0	10.2	6.4	3.8	2.5	1.3	1.3
65°	30.5	21.6	17.8	15.2	11.4	7.6	3.8	2.5	1.3	1.3	1.3
67.5°	26.7	20.3	15.2	12.7	10.2	5.1	2.5	1.3	1.3	1.3	1.3
69°	24.1	19.1	15.2	11.4	8.9	3.8	2.5	1.3	1.3	1.3	1.3
70°	22.9	17.8	14.0	11.4	7.6	3.8	1.3	1.3	1.3	1.3	1.3
72.5°	19.1	14.0	11.4	10.2	6.4	2.5	1.3	1.3	1.3	1.3	1.3
75°	14.0	11.4	7.6	7.6	5.1	2.5	1.3	1.3	1.3	1.3	0.0
77.5°	10.2	7.6	5.1	5.1	3.8	2.5	1.3	1.3	1.3	1.3	0.0
80°	6.4	5.1	3.8	3.8	2.5	2.5	0.0	1.3	1.3	1.3	1.3
82.5°	3.8	3.8	3.8	2.5	2.5	2.5	1.3	2.5	1.3	1.3	1.3
85°	3.8	3.8	3.8	2.5	2.5	2.5	1.3	2.5	2.5	2.5	1.3
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	1.3	3.8	3.8	2.5	2.5
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):

	160°	165°	170°	175°	180°
0°	100.4	100.4	100.4	100.4	100.4
2.5°	69.9	69.9	71.2	72.4	72.4
5°	40.7	28.0	29.2	29.2	29.2
7.5°	19.1	19.1	20.3	20.3	20.3
10°	29.2	29.2	29.2	29.2	30.5
12.5°	26.7	28.0	28.0	28.0	29.2
15°	31.8	33.0	34.3	34.3	35.6
17.5°	29.2	29.2	31.8	31.8	31.8
20°	34.3	34.3	34.3	34.3	34.3
22.5°	30.5	31.8	35.6	36.8	38.1
25°	35.6	34.3	34.3	34.3	34.3
27.5°	35.6	35.6	36.8	36.8	36.8
30°	35.6	33.0	33.0	34.3	35.6
32.5°	35.6	35.6	34.3	34.3	34.3
35°	33.0	35.6	35.6	35.6	35.6
37.5°	31.8	31.8	35.6	36.8	36.8
40°	30.5	31.8	33.0	38.1	38.1
42.5°	29.2	31.8	34.3	36.8	36.8
45°	28.0	30.5	31.8	34.3	34.3
47.5°	25.4	28.0	29.2	30.5	30.5
50°	22.9	22.9	24.1	24.1	22.9
52.5°	16.5	16.5	15.2	15.2	15.2
55°	10.2	8.9	8.9	8.9	7.6
57.5°	5.1	5.1	3.8	3.8	3.8
60°	2.5	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	0.0	0.0	0.0
65°	1.3	1.3	0.0	0.0	0.0
67.5°	1.3	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	0.0	0.0	0.0	0.0
85°	1.3	1.3	1.3	0.0	0.0
87.5°	2.5	1.3	1.3	1.3	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)