

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: P179309

Luminaire Tested: **UTLD-E03-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179309
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-E03-LED-E-U-SL4-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4897.9 lumens
Efficiency: N/A
Efficacy: 65.1 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): 75.2
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



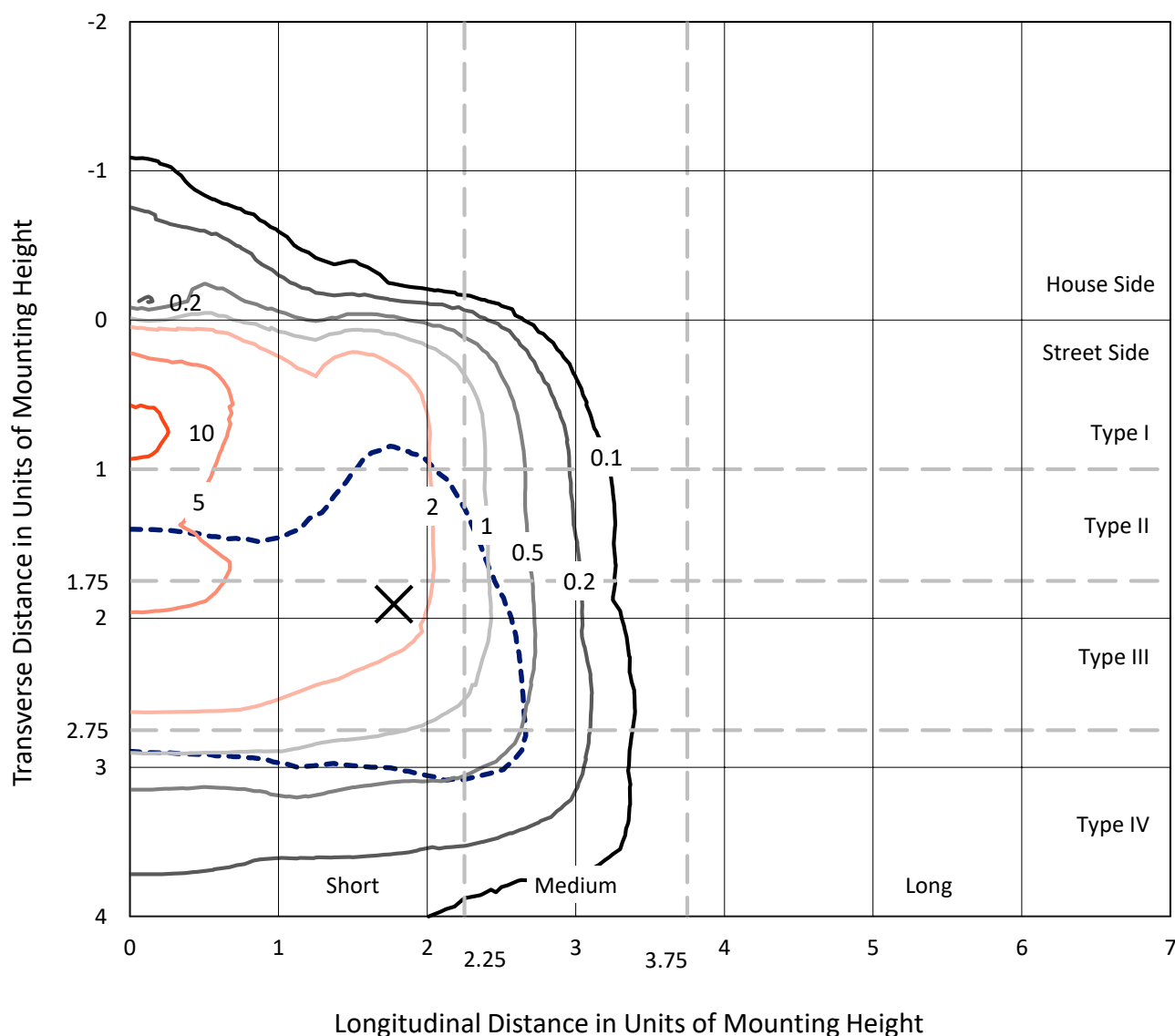
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

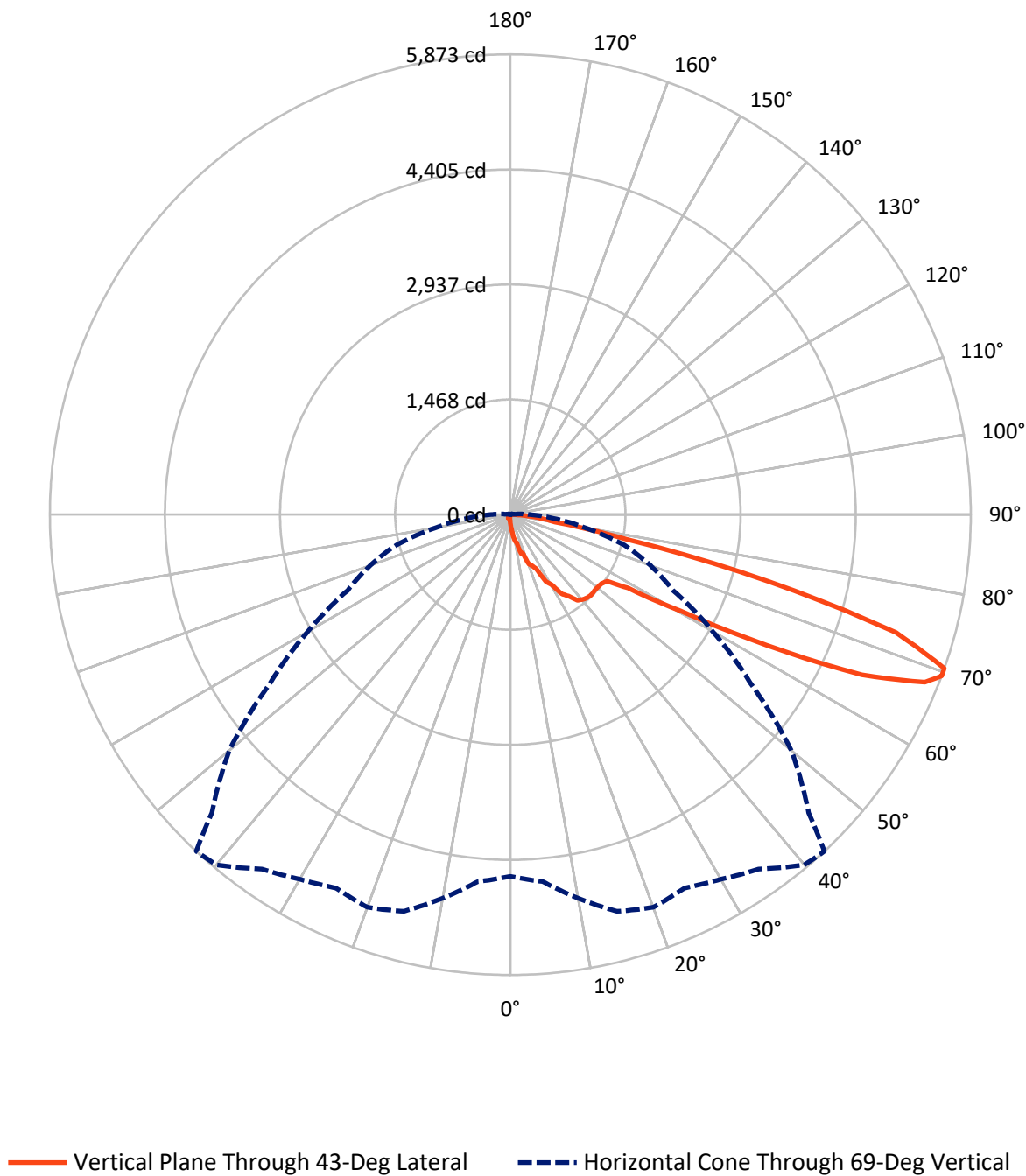


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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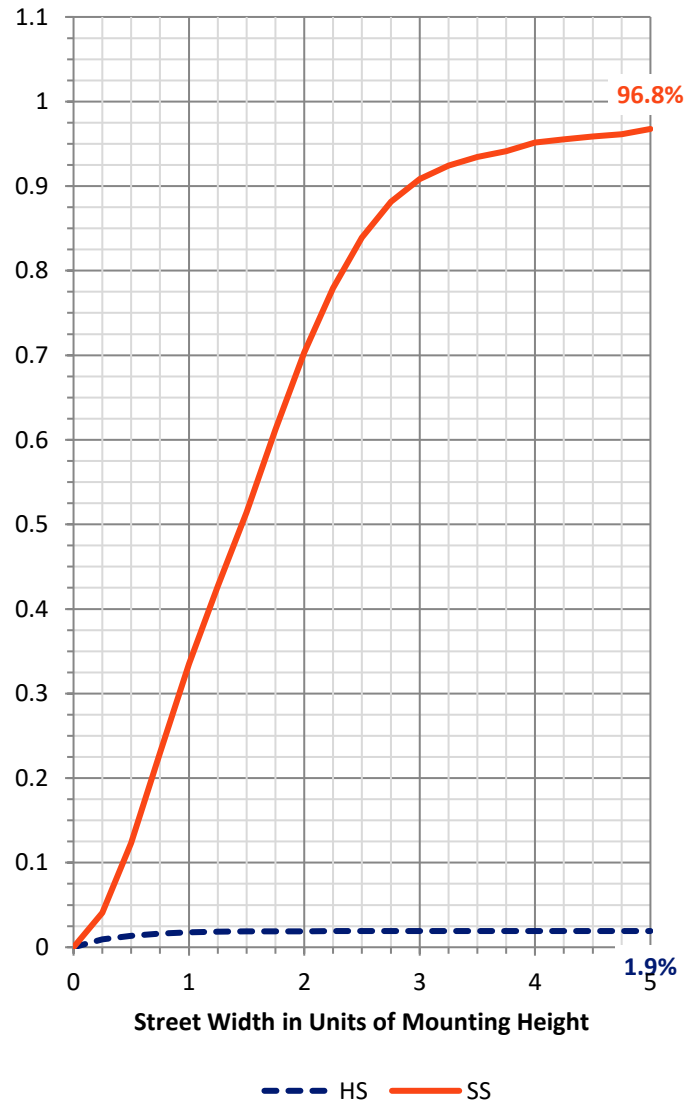
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.0	0.0	95.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4802.9	0.0	4802.9
	% Fixture	98.1	0.0	98.1
Total	Lumens	4897.9	0.0	4897.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.3
10°-20°	67.9	1.4
20°-30°	187.7	3.8
30°-40°	393.3	8.0
40°-50°	568.0	11.6
50°-60°	881.2	18.0
60°-70°	1860.5	38.0
70°-80°	827.5	16.9
80°-90°	98.2	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°	4897.9	100.0
0°-180°	4897.9	100.0

Coefficient of Utilization



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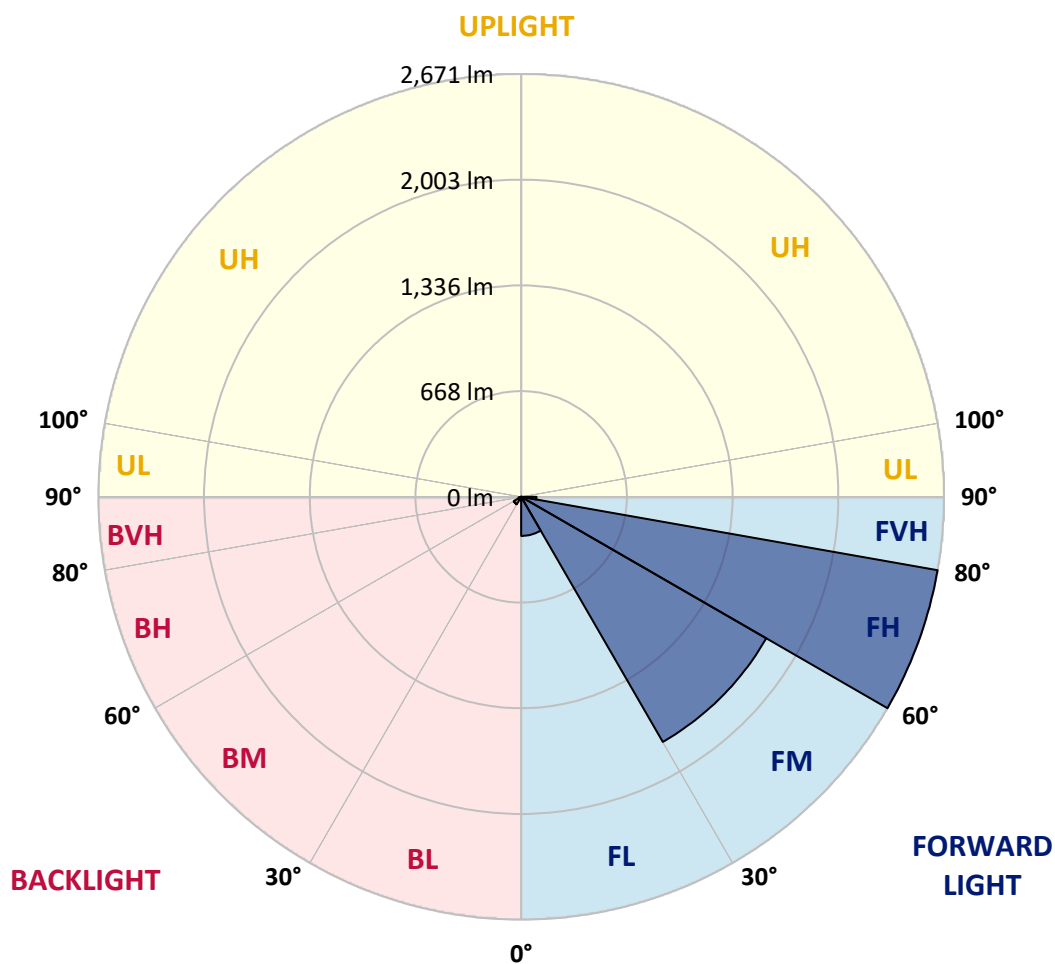
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	246.8	5.0			
FM	(30°-60°)	1788.2	36.5			
FH	(60°-80°)	2671.3	54.5			G2/5000
FVH	(80°-90°)	96.6	2.0			G1/100
BL	(0°-30°)	22.5	0.5	B0/110		
BM	(30°-60°)	54.2	1.1	B0/220		
BH	(60°-80°)	16.7	0.3	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	180.8	180.8	179.5	178.1	174.0	172.6	168.5	165.8	167.1	165.8	164.4
5°	231.5	227.4	221.9	213.7	211.0	206.9	204.1	197.3	194.5	193.2	190.4
7.5°	383.6	374.0	368.5	367.2	363.1	358.9	348.0	338.4	328.8	293.2	242.5
10°	412.4	413.7	415.1	406.9	409.6	395.9	382.2	374.0	368.5	348.0	335.7
12.5°	542.5	534.3	532.9	538.4	526.1	519.2	504.2	479.5	397.3	369.9	379.5
15°	628.8	639.8	600.1	552.1	541.2	530.2	498.7	504.2	541.2	516.5	489.1
17.5°	676.8	679.5	672.7	667.2	648.0	635.7	657.6	557.6	546.6	517.9	498.7
20°	848.0	850.8	838.5	780.9	709.7	674.1	694.6	656.2	642.5	671.3	571.3
22.5°	927.5	930.2	919.3	902.8	871.3	878.2	830.2	705.6	715.2	709.7	641.2
25°	1138.5	1145.3	1133.0	1105.6	1079.6	956.3	904.2	904.2	824.8	761.7	724.7
27.5°	1360.4	1334.4	1252.2	1216.6	1197.4	1134.4	1130.3	989.2	945.3	965.9	841.2
30°	1511.1	1515.2	1501.5	1442.6	1405.6	1389.2	1235.8	1159.0	1056.3	1038.5	916.5
32.5°	1807.1	1808.4	1779.7	1752.3	1581.0	1508.4	1402.9	1304.3	1152.2	1204.3	1048.1
35°	2090.7	2097.5	2020.8	1867.3	1816.7	1679.7	1548.1	1381.0	1279.6	1276.9	1113.8
37.5°	2257.8	2257.8	2200.3	2089.3	2035.9	1846.8	1635.8	1511.1	1328.9	1386.5	1202.9
40°	2470.2	2464.7	2415.4	2285.2	2130.4	1909.8	1741.3	1570.0	1415.2	1423.5	1261.8
42.5°	2555.1	2548.2	2514.0	2382.5	2175.6	1987.9	1767.3	1586.5	1435.8	1446.7	1289.2
45°	2597.6	2590.7	2553.7	2409.9	2193.4	1997.5	1759.1	1576.9	1439.9	1453.6	1304.3
47.5°	2588.0	2578.4	2548.2	2427.7	2246.8	1990.6	1705.7	1556.3	1433.0	1446.7	1309.7
50°	2535.9	2533.2	2505.8	2397.5	2241.4	1963.2	1675.5	1535.8	1431.7	1448.1	1320.7
52.5°	2505.8	2508.5	2482.5	2407.1	2211.2	1953.7	1692.0	1542.6	1439.9	1459.1	1337.1
55°	2900.3	2849.7	2749.6	2592.1	2312.6	2035.9	1770.1	1592.0	1481.0	1500.2	1375.5
57.5°	4208.7	4162.1	3955.3	3573.0	3031.9	2485.2	2071.5	1820.8	1715.3	1767.3	1663.2
60°	4977.3	4923.9	4871.8	4699.2	4247.1	3759.4	3016.8	2608.5	2412.6	2494.8	2392.1
62.5°	5296.5	5292.4	5267.7	5236.2	4922.5	4699.2	4145.7	3751.1	3603.2	3663.4	3445.6
65°	5496.5	5522.6	5528.1	5544.5	5340.4	5170.5	4847.2	4745.8	4941.7	4928.0	4521.1
67.5°	5355.4	5370.5	5460.9	5602.0	5500.7	5343.1	5297.9	5381.5	5633.5	5704.8	5200.6
69°	4615.6	4697.8	4969.1	5239.0	5332.1	5256.8	5370.5	5521.2	5832.2	5873.3	5382.8
70°	3679.9	3827.9	4132.0	4696.4	4919.8	4929.4	5260.9	5497.9	5848.6	5871.9	5393.8
72.5°	1653.6	1681.0	1848.2	2148.2	3000.4	3290.8	4103.2	4841.7	5200.6	5145.8	4685.5
75°	1116.6	1128.9	1119.3	1133.0	1296.0	1559.1	1989.3	3081.2	3512.7	3400.4	2971.6
77.5°	924.8	923.4	905.6	893.3	898.7	937.1	934.4	1068.6	1481.0	1522.1	1337.1
80°	828.9	820.6	805.6	780.9	754.9	717.9	679.5	605.6	554.9	574.0	506.9
82.5°	449.4	434.3	468.5	501.4	576.8	608.3	559.0	467.2	419.2	393.2	350.7
85°	105.5	101.4	119.2	165.8	283.6	289.1	280.9	231.5	201.4	187.7	169.9
87.5°	27.4	27.4	28.8	28.8	139.7	160.3	130.2	58.9	45.2	39.7	34.3
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	161.7	160.3	157.6	157.6	154.8	148.0	128.8	111.0	100.0	95.9	91.8
5°	183.6	178.1	171.3	164.4	157.6	153.4	150.7	121.9	94.5	87.7	80.8
7.5°	209.6	197.3	186.3	175.4	165.8	150.7	142.5	135.6	91.8	80.8	74.0
10°	316.5	302.8	212.4	211.0	187.7	171.3	164.4	157.6	109.6	93.2	80.8
12.5°	376.8	357.6	322.0	264.4	195.9	185.0	161.7	145.2	104.1	82.2	75.4
15°	400.0	376.8	339.8	323.3	252.1	219.2	185.0	167.1	115.1	98.6	80.8
17.5°	494.6	482.2	383.6	348.0	302.8	217.8	190.4	148.0	115.1	87.7	76.7
20°	535.7	504.2	432.9	412.4	367.2	298.7	227.4	195.9	141.1	115.1	87.7
22.5°	601.4	593.2	545.3	435.7	385.0	324.7	235.6	205.5	153.4	111.0	83.6
25°	720.6	633.0	569.9	553.5	478.1	398.7	298.7	226.1	165.8	116.5	91.8
27.5°	779.5	733.0	661.7	598.7	491.8	412.4	334.3	246.6	178.1	126.0	94.5
30°	941.2	782.3	728.9	664.5	549.4	437.0	339.8	257.6	176.7	123.3	95.9
32.5°	1005.6	898.7	802.8	698.7	617.9	490.5	376.8	261.7	183.6	127.4	105.5
35°	1094.7	961.8	890.5	787.8	665.8	532.9	386.3	269.9	174.0	123.3	104.1
37.5°	1170.0	1027.5	911.1	816.5	685.0	545.3	398.7	278.1	179.5	120.6	100.0
40°	1209.7	1059.0	926.1	837.1	683.6	552.1	422.0	268.5	174.0	117.8	93.2
42.5°	1242.6	1093.3	950.8	859.0	711.0	582.3	428.8	282.2	172.6	117.8	86.3
45°	1264.5	1124.8	1005.6	885.0	746.7	615.1	438.4	285.0	175.4	117.8	80.8
47.5°	1276.9	1163.2	1060.4	923.4	809.7	679.5	494.6	311.0	179.5	113.7	75.4
50°	1293.3	1204.3	1105.6	972.7	876.8	716.5	537.0	324.7	185.0	106.9	71.2
52.5°	1305.6	1226.2	1135.8	1034.4	972.7	831.6	642.5	389.1	200.0	102.8	67.1
55°	1364.5	1323.4	1318.0	1346.7	1390.6	1363.2	1104.2	668.6	308.3	120.6	76.7
57.5°	1755.0	1829.0	1963.2	2078.3	2045.4	1979.7	1587.9	924.8	417.9	131.5	89.1
60°	2555.1	2629.1	2682.5	2627.7	2444.1	2286.6	1790.6	1048.1	465.8	109.6	69.9
62.5°	3419.6	3284.0	3119.5	2872.9	2666.1	2364.7	1885.2	1117.9	478.1	93.2	52.1
65°	4170.4	3742.9	3370.3	2927.7	2672.9	2353.7	1861.9	1089.2	457.6	76.7	42.5
67.5°	4625.2	3896.4	3315.5	2711.3	2340.0	1971.5	1438.5	837.1	350.7	61.7	35.6
69°	4677.3	3734.7	2983.9	2289.3	1903.0	1504.3	963.1	553.5	245.2	52.1	31.5
70°	4581.4	3511.4	2608.5	1916.7	1518.0	1116.6	701.5	406.9	176.7	46.6	30.1
72.5°	3700.4	2433.2	1496.1	942.6	665.8	463.1	283.6	165.8	75.4	34.3	26.0
75°	2029.0	1045.3	591.9	391.8	304.1	232.9	160.3	89.1	43.8	28.8	21.9
77.5°	746.7	471.3	338.4	268.5	176.7	101.4	68.5	50.7	35.6	23.3	16.4
80°	448.0	327.4	238.4	127.4	84.9	64.4	49.3	39.7	28.8	17.8	11.0
82.5°	286.3	194.5	102.8	75.4	60.3	48.0	38.4	32.9	20.6	12.3	5.5
85°	131.5	78.1	61.7	53.4	46.6	42.5	39.7	32.9	16.4	6.9	4.1
87.5°	30.1	28.8	34.3	31.5	30.1	28.8	26.0	21.9	8.2	5.5	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°	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2	108.2
2.5°	89.1	86.3	83.6	82.2	79.5	79.5	76.7	76.7	75.4	74.0	75.4
5°	75.4	72.6	69.9	67.1	64.4	61.7	63.0	64.4	64.4	65.8	57.5
7.5°	69.9	65.8	60.3	57.5	56.2	27.4	21.9	20.6	19.2	20.6	20.6
10°	71.2	64.4	60.3	24.7	17.8	17.8	17.8	17.8	19.2	23.3	28.8
12.5°	67.1	58.9	31.5	28.8	26.0	24.7	28.8	27.4	27.4	27.4	27.4
15°	75.4	42.5	32.9	28.8	31.5	34.3	34.3	32.9	27.4	27.4	32.9
17.5°	48.0	39.7	37.0	43.8	42.5	35.6	32.9	37.0	38.4	35.6	31.5
20°	63.0	56.2	50.7	43.8	41.1	41.1	45.2	38.4	35.6	37.0	38.4
22.5°	64.4	60.3	63.0	58.9	54.8	43.8	42.5	41.1	42.5	39.7	38.4
25°	80.8	82.2	74.0	60.3	57.5	53.4	49.3	41.1	42.5	38.4	41.1
27.5°	86.3	80.8	74.0	71.2	65.8	53.4	53.4	45.2	42.5	42.5	37.0
30°	90.4	82.2	76.7	69.9	63.0	58.9	52.1	46.6	42.5	41.1	39.7
32.5°	95.9	84.9	74.0	68.5	63.0	54.8	53.4	46.6	42.5	38.4	38.4
35°	89.1	79.5	72.6	67.1	57.5	52.1	49.3	45.2	39.7	38.4	35.6
37.5°	80.8	72.6	67.1	60.3	54.8	48.0	46.6	41.1	38.4	35.6	34.3
40°	74.0	65.8	60.3	54.8	49.3	43.8	41.1	37.0	32.9	31.5	31.5
42.5°	69.9	60.3	53.4	49.3	43.8	39.7	37.0	32.9	30.1	28.8	28.8
45°	64.4	54.8	48.0	42.5	38.4	35.6	32.9	28.8	26.0	26.0	26.0
47.5°	61.7	50.7	43.8	38.4	34.3	31.5	28.8	24.7	21.9	23.3	23.3
50°	57.5	46.6	38.4	35.6	31.5	28.8	26.0	21.9	20.6	20.6	20.6
52.5°	53.4	41.1	34.3	31.5	28.8	26.0	21.9	17.8	16.4	17.8	16.4
55°	53.4	37.0	30.1	27.4	24.7	21.9	17.8	15.1	13.7	12.3	11.0
57.5°	63.0	37.0	26.0	24.7	21.9	17.8	13.7	11.0	9.6	6.9	5.5
60°	54.8	37.0	23.3	21.9	19.2	15.1	11.0	8.2	5.5	4.1	2.7
62.5°	38.4	28.8	20.6	19.2	15.1	11.0	6.9	4.1	2.7	1.4	1.4
65°	32.9	23.3	19.2	16.4	12.3	8.2	4.1	2.7	1.4	1.4	1.4
67.5°	28.8	21.9	16.4	13.7	11.0	5.5	2.7	1.4	1.4	1.4	1.4
69°	26.0	20.6	16.4	12.3	9.6	4.1	2.7	1.4	1.4	1.4	1.4
70°	24.7	19.2	15.1	12.3	8.2	4.1	1.4	1.4	1.4	1.4	1.4
72.5°	20.6	15.1	12.3	11.0	6.9	2.7	1.4	1.4	1.4	1.4	1.4
75°	15.1	12.3	8.2	8.2	5.5	2.7	1.4	1.4	1.4	1.4	0.0
77.5°	11.0	8.2	5.5	5.5	4.1	2.7	1.4	1.4	1.4	1.4	0.0
80°	6.9	5.5	4.1	4.1	2.7	2.7	0.0	1.4	1.4	1.4	1.4
82.5°	4.1	4.1	4.1	2.7	2.7	2.7	1.4	2.7	1.4	1.4	1.4
85°	4.1	4.1	4.1	2.7	2.7	2.7	1.4	2.7	2.7	2.7	1.4
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	1.4	4.1	4.1	2.7	2.7
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):

	160°	165°	170°	175°	180°
0°	108.2	108.2	108.2	108.2	108.2
2.5°	75.4	75.4	76.7	78.1	78.1
5°	43.8	30.1	31.5	31.5	31.5
7.5°	20.6	20.6	21.9	21.9	21.9
10°	31.5	31.5	31.5	31.5	32.9
12.5°	28.8	30.1	30.1	30.1	31.5
15°	34.3	35.6	37.0	37.0	38.4
17.5°	31.5	31.5	34.3	34.3	34.3
20°	37.0	37.0	37.0	37.0	37.0
22.5°	32.9	34.3	38.4	39.7	41.1
25°	38.4	37.0	37.0	37.0	37.0
27.5°	38.4	38.4	39.7	39.7	39.7
30°	38.4	35.6	35.6	37.0	38.4
32.5°	38.4	38.4	37.0	37.0	37.0
35°	35.6	38.4	38.4	38.4	38.4
37.5°	34.3	34.3	38.4	39.7	39.7
40°	32.9	34.3	35.6	41.1	41.1
42.5°	31.5	34.3	37.0	39.7	39.7
45°	30.1	32.9	34.3	37.0	37.0
47.5°	27.4	30.1	31.5	32.9	32.9
50°	24.7	24.7	26.0	26.0	24.7
52.5°	17.8	17.8	16.4	16.4	16.4
55°	11.0	9.6	9.6	9.6	8.2
57.5°	5.5	5.5	4.1	4.1	4.1
60°	2.7	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	0.0	0.0	0.0
65°	1.4	1.4	0.0	0.0	0.0
67.5°	1.4	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°	1.4	0.0	0.0	0.0	0.0
85°	1.4	1.4	1.4	0.0	0.0
87.5°	2.7	1.4	1.4	1.4	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)