

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: P179308

Luminaire Tested: **UTLD-E03-LED-E-U-SL4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179308
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-8030
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, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4526 lumens
Efficiency: N/A
Efficacy: 60.2 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



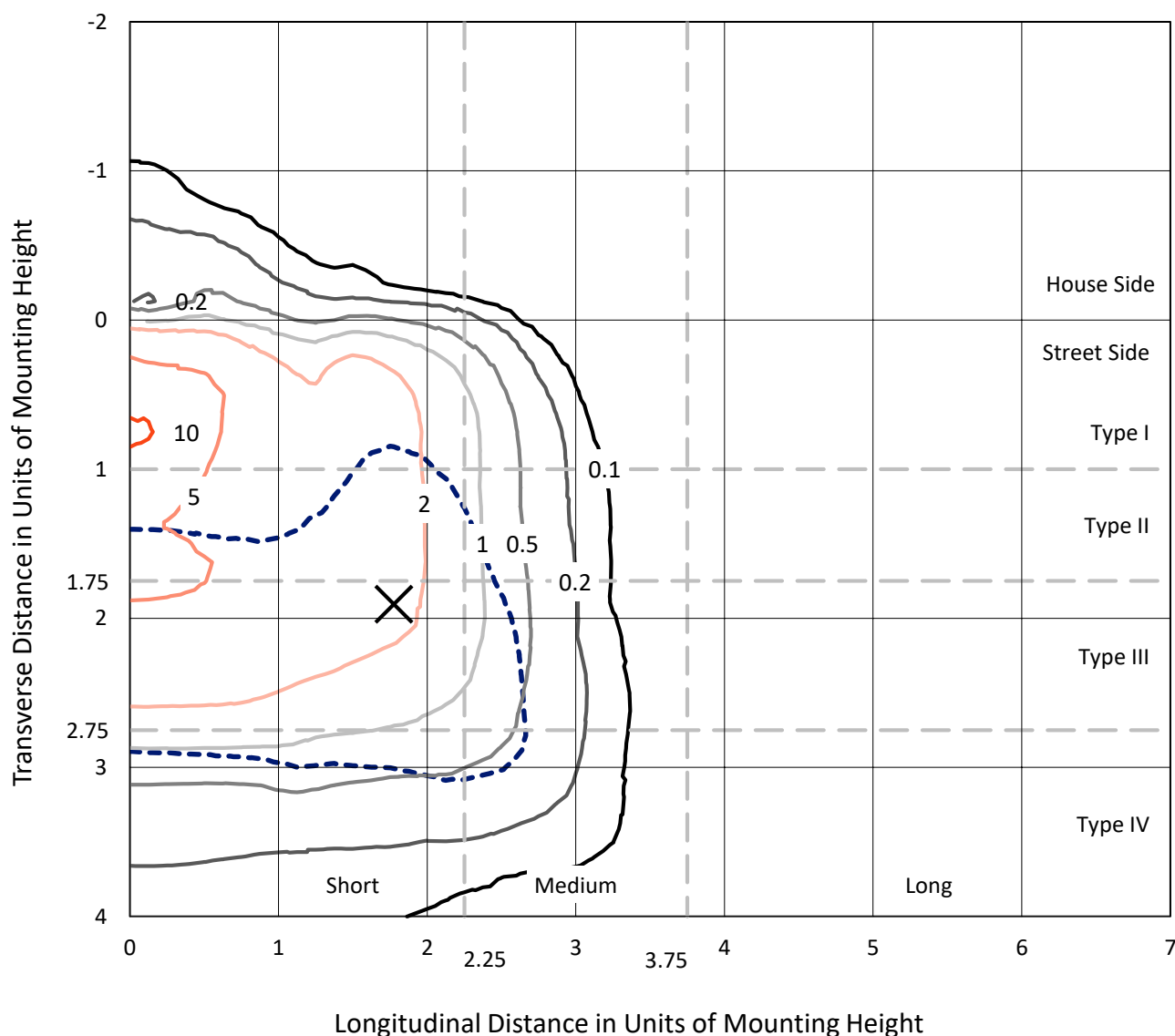
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

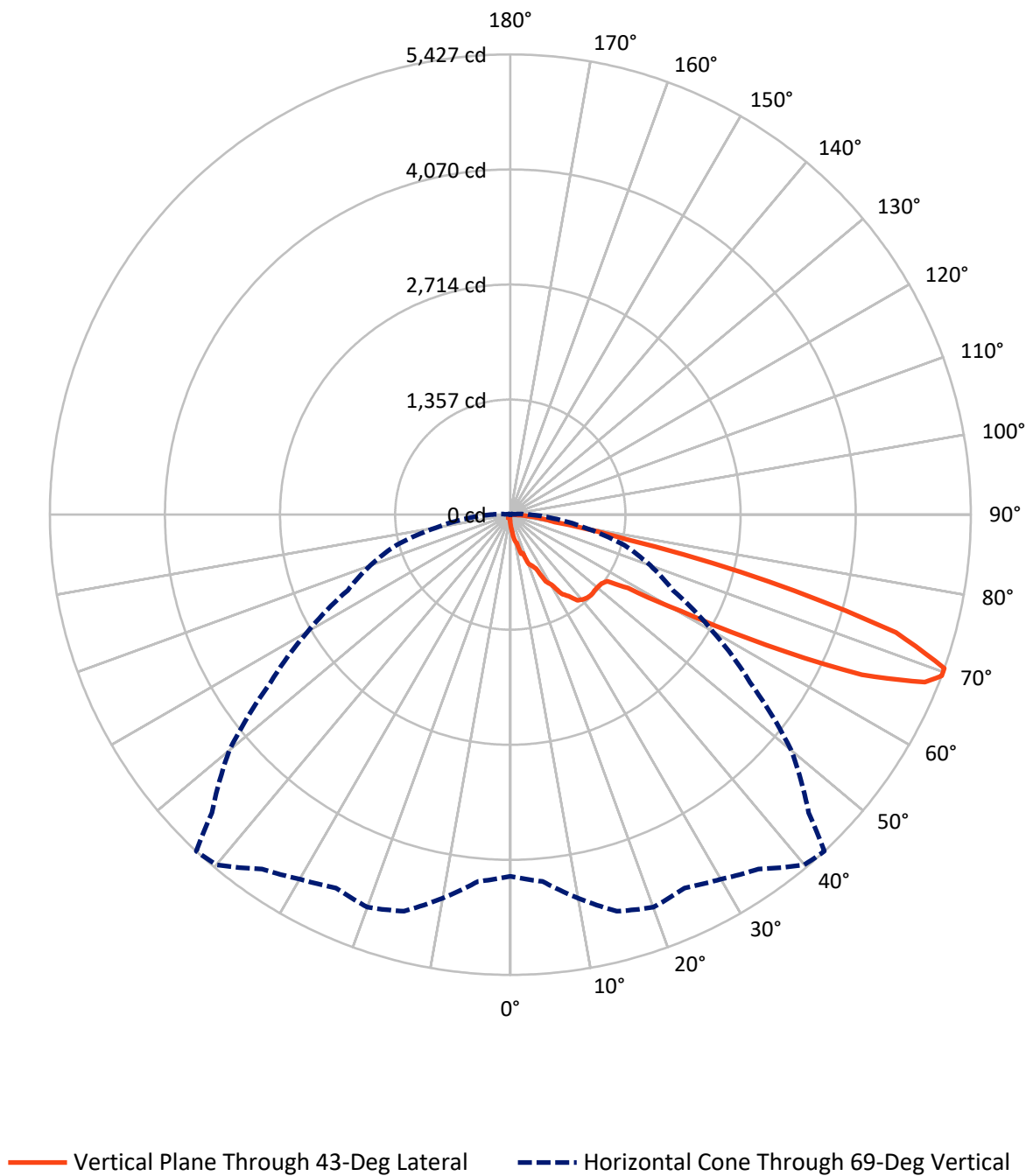


Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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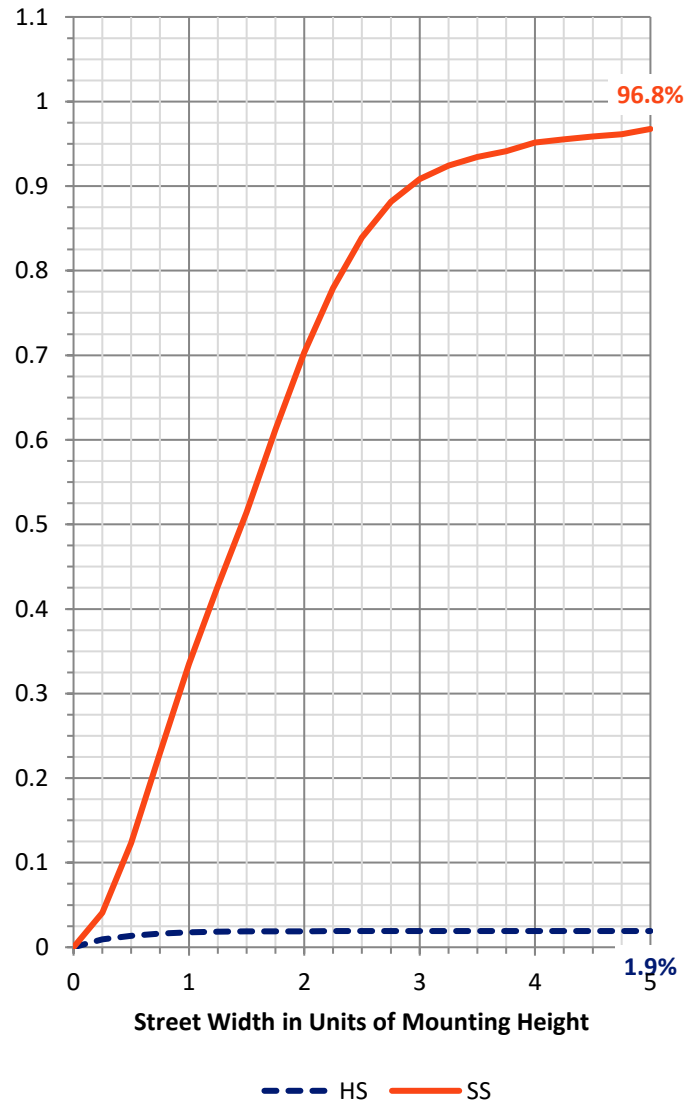
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	87.8	0.0	87.8
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4438.2	0.0	4438.2
	% Fixture	98.1	0.0	98.1
Total	Lumens	4526.0	0.0	4526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.3
10°-20°	62.8	1.4
20°-30°	173.4	3.8
30°-40°	363.4	8.0
40°-50°	524.9	11.6
50°-60°	814.2	18.0
60°-70°	1719.2	38.0
70°-80°	764.6	16.9
80°-90°	90.7	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°	4526.0	100.0
0°-180°	4526.0	100.0

Coefficient of Utilization



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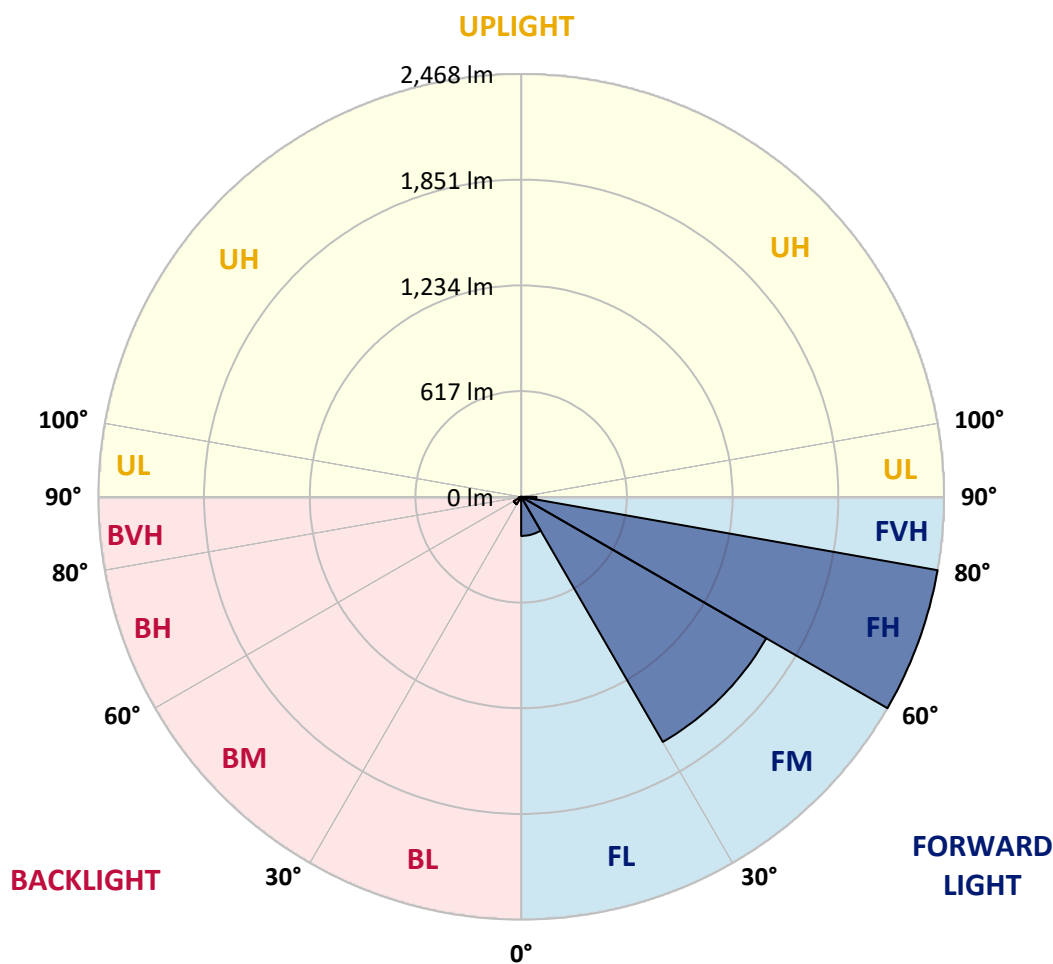
CATALOG NUMBER: UTLD-E03-LED-E-U-SL4-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.1	5.0			
FM	(30°-60°)	1652.4	36.5			
FH	(60°-80°)	2468.4	54.5			G2/5000
FVH	(80°-90°)	89.3	2.0			G1/100
BL	(0°-30°)	20.8	0.5	B0/110		
BM	(30°-60°)	50.1	1.1	B0/220		
BH	(60°-80°)	15.4	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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	167.1	167.1	165.8	164.6	160.8	159.5	155.7	153.2	154.5	153.2	151.9
5°	214.0	210.2	205.1	197.5	195.0	191.2	188.6	182.3	179.8	178.5	176.0
7.5°	354.5	345.6	340.6	339.3	335.5	331.7	321.6	312.7	303.8	270.9	224.1
10°	381.1	382.3	383.6	376.0	378.5	365.9	353.2	345.6	340.6	321.6	310.2
12.5°	501.3	493.7	492.5	497.5	486.1	479.8	465.9	443.1	367.1	341.8	350.7
15°	581.1	591.2	554.5	510.2	500.1	489.9	460.8	465.9	500.1	477.3	452.0
17.5°	625.4	627.9	621.6	616.5	598.8	587.4	607.7	515.3	505.1	478.5	460.8
20°	783.6	786.2	774.8	721.6	655.8	622.9	641.9	606.4	593.7	620.3	527.9
22.5°	857.1	859.6	849.5	834.3	805.2	811.5	767.2	652.0	660.8	655.8	592.5
25°	1052.0	1058.4	1047.0	1021.7	997.6	883.7	835.6	835.6	762.1	703.9	669.7
27.5°	1257.1	1233.1	1157.1	1124.2	1106.5	1048.2	1044.4	914.0	873.5	892.5	777.3
30°	1396.4	1400.2	1387.5	1333.1	1298.9	1283.7	1141.9	1071.0	976.1	959.6	846.9
32.5°	1669.8	1671.1	1644.5	1619.2	1460.9	1393.9	1296.4	1205.2	1064.7	1112.8	968.5
35°	1931.9	1938.2	1867.3	1725.5	1678.7	1552.1	1430.6	1276.1	1182.4	1179.9	1029.2
37.5°	2086.3	2086.3	2033.2	1930.6	1881.3	1706.5	1511.6	1396.4	1228.0	1281.2	1111.5
40°	2282.6	2277.5	2231.9	2111.7	1968.6	1764.8	1609.1	1450.8	1307.8	1315.4	1166.0
42.5°	2361.1	2354.7	2323.1	2201.6	2010.4	1836.9	1633.1	1466.0	1326.8	1336.9	1191.3
45°	2400.3	2394.0	2359.8	2226.9	2026.8	1845.8	1625.5	1457.2	1330.6	1343.2	1205.2
47.5°	2391.4	2382.6	2354.7	2243.3	2076.2	1839.5	1576.2	1438.2	1324.2	1336.9	1210.3
50°	2343.3	2340.8	2315.5	2215.5	2071.2	1814.2	1548.3	1419.2	1323.0	1338.1	1220.4
52.5°	2315.5	2318.0	2294.0	2224.3	2043.3	1805.3	1563.5	1425.5	1330.6	1348.3	1235.6
55°	2680.1	2633.3	2540.8	2395.2	2137.0	1881.3	1635.7	1471.1	1368.5	1386.3	1271.1
57.5°	3889.1	3846.1	3654.9	3301.7	2801.6	2296.5	1914.2	1682.5	1585.0	1633.1	1536.9
60°	4599.3	4550.0	4501.8	4342.3	3924.6	3473.9	2787.7	2410.4	2229.4	2305.4	2210.4
62.5°	4894.3	4890.5	4867.7	4838.6	4548.7	4342.3	3830.9	3466.3	3329.5	3385.2	3184.0
65°	5079.1	5103.2	5108.3	5123.4	4934.8	4777.8	4479.1	4385.4	4566.4	4553.8	4177.8
67.5°	4948.7	4962.7	5046.2	5176.6	5082.9	4937.3	4895.6	4972.8	5205.7	5271.6	4805.7
69°	4265.1	4341.1	4591.7	4841.1	4927.2	4857.6	4962.7	5101.9	5389.3	5427.3	4974.1
70°	3400.4	3537.2	3818.2	4339.8	4546.2	4555.0	4861.4	5080.4	5404.5	5426.0	4984.2
72.5°	1528.0	1553.4	1707.8	1985.1	2772.5	3040.9	3791.6	4474.0	4805.7	4755.0	4329.7
75°	1031.8	1043.2	1034.3	1047.0	1197.6	1440.7	1838.2	2847.2	3246.0	3142.2	2745.9
77.5°	854.5	853.3	836.8	825.4	830.5	865.9	863.4	987.5	1368.5	1406.5	1235.6
80°	765.9	758.3	744.4	721.6	697.6	663.4	627.9	559.6	512.7	530.4	468.4
82.5°	415.2	401.3	433.0	463.4	533.0	562.1	516.5	431.7	387.4	363.3	324.1
85°	97.5	93.7	110.1	153.2	262.1	267.1	259.5	214.0	186.1	173.4	157.0
87.5°	25.3	25.3	26.6	26.6	129.1	148.1	120.3	54.4	41.8	36.7	31.6
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	149.4	148.1	145.6	145.6	143.1	136.7	119.0	102.5	92.4	88.6	84.8
5°	169.6	164.6	158.2	151.9	145.6	141.8	139.3	112.7	87.4	81.0	74.7
7.5°	193.7	182.3	172.2	162.0	153.2	139.3	131.7	125.3	84.8	74.7	68.4
10°	292.4	279.8	196.2	195.0	173.4	158.2	151.9	145.6	101.3	86.1	74.7
12.5°	348.1	330.4	297.5	244.3	181.0	170.9	149.4	134.2	96.2	76.0	69.6
15°	369.7	348.1	314.0	298.8	232.9	202.6	170.9	154.5	106.3	91.2	74.7
17.5°	457.0	445.6	354.5	321.6	279.8	201.3	176.0	136.7	106.3	81.0	70.9
20°	495.0	465.9	400.1	381.1	339.3	276.0	210.2	181.0	130.4	106.3	81.0
22.5°	555.8	548.2	503.9	402.6	355.7	300.0	217.7	189.9	141.8	102.5	77.2
25°	665.9	584.9	526.7	511.5	441.8	368.4	276.0	208.9	153.2	107.6	84.8
27.5°	720.3	677.3	611.5	553.2	454.5	381.1	308.9	227.9	164.6	116.5	87.4
30°	869.7	722.9	673.5	614.0	507.7	403.8	314.0	238.0	163.3	113.9	88.6
32.5°	929.2	830.5	741.9	645.7	571.0	453.2	348.1	241.8	169.6	117.7	97.5
35°	1011.5	888.7	822.9	727.9	615.3	492.5	357.0	249.4	160.8	113.9	96.2
37.5°	1081.2	949.5	841.9	754.5	633.0	503.9	368.4	257.0	165.8	111.4	92.4
40°	1117.9	978.6	855.8	773.5	631.7	510.2	389.9	248.1	160.8	108.9	86.1
42.5°	1148.2	1010.3	878.6	793.8	657.0	538.0	396.3	260.8	159.5	108.9	79.8
45°	1168.5	1039.4	929.2	817.8	690.0	568.4	405.1	263.3	162.0	108.9	74.7
47.5°	1179.9	1074.8	979.9	853.3	748.2	627.9	457.0	287.4	165.8	105.1	69.6
50°	1195.1	1112.8	1021.7	898.9	810.2	662.1	496.3	300.0	170.9	98.7	65.8
52.5°	1206.5	1133.1	1049.5	955.8	898.9	768.5	593.7	359.5	184.8	94.9	62.0
55°	1260.9	1222.9	1217.9	1244.5	1285.0	1259.7	1020.4	617.8	284.8	111.4	70.9
57.5°	1621.7	1690.1	1814.2	1920.5	1890.1	1829.4	1467.3	854.5	386.1	121.5	82.3
60°	2361.1	2429.4	2478.8	2428.2	2258.5	2112.9	1654.6	968.5	430.4	101.3	64.6
62.5°	3159.9	3034.6	2882.7	2654.8	2463.6	2185.1	1742.0	1033.0	441.8	86.1	48.1
65°	3853.7	3458.7	3114.3	2705.4	2469.9	2175.0	1720.5	1006.5	422.8	70.9	39.2
67.5°	4274.0	3600.5	3063.7	2505.4	2162.3	1821.8	1329.3	773.5	324.1	57.0	32.9
69°	4322.1	3451.1	2757.3	2115.5	1758.5	1390.1	890.0	511.5	226.6	48.1	29.1
70°	4233.5	3244.7	2410.4	1771.1	1402.7	1031.8	648.2	376.0	163.3	43.0	27.9
72.5°	3419.4	2248.4	1382.5	871.0	615.3	427.9	262.1	153.2	69.6	31.6	24.1
75°	1874.9	965.9	546.9	362.1	281.0	215.2	148.1	82.3	40.5	26.6	20.3
77.5°	690.0	435.5	312.7	248.1	163.3	93.7	63.3	46.8	32.9	21.5	15.2
80°	414.0	302.6	220.3	117.7	78.5	59.5	45.6	36.7	26.6	16.5	10.1
82.5°	264.6	179.8	94.9	69.6	55.7	44.3	35.4	30.4	19.0	11.4	5.1
85°	121.5	72.2	57.0	49.4	43.0	39.2	36.7	30.4	15.2	6.3	3.8
87.5°	27.9	26.6	31.6	29.1	27.9	26.6	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°	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5°	82.3	79.8	77.2	76.0	73.4	73.4	70.9	70.9	69.6	68.4	69.6
5°	69.6	67.1	64.6	62.0	59.5	57.0	58.2	59.5	59.5	60.8	53.2
7.5°	64.6	60.8	55.7	53.2	51.9	25.3	20.3	19.0	17.7	19.0	19.0
10°	65.8	59.5	55.7	22.8	16.5	16.5	16.5	16.5	17.7	21.5	26.6
12.5°	62.0	54.4	29.1	26.6	24.1	22.8	26.6	25.3	25.3	25.3	25.3
15°	69.6	39.2	30.4	26.6	29.1	31.6	31.6	30.4	25.3	25.3	30.4
17.5°	44.3	36.7	34.2	40.5	39.2	32.9	30.4	34.2	35.4	32.9	29.1
20°	58.2	51.9	46.8	40.5	38.0	38.0	41.8	35.4	32.9	34.2	35.4
22.5°	59.5	55.7	58.2	54.4	50.6	40.5	39.2	38.0	39.2	36.7	35.4
25°	74.7	76.0	68.4	55.7	53.2	49.4	45.6	38.0	39.2	35.4	38.0
27.5°	79.8	74.7	68.4	65.8	60.8	49.4	49.4	41.8	39.2	39.2	34.2
30°	83.6	76.0	70.9	64.6	58.2	54.4	48.1	43.0	39.2	38.0	36.7
32.5°	88.6	78.5	68.4	63.3	58.2	50.6	49.4	43.0	39.2	35.4	35.4
35°	82.3	73.4	67.1	62.0	53.2	48.1	45.6	41.8	36.7	35.4	32.9
37.5°	74.7	67.1	62.0	55.7	50.6	44.3	43.0	38.0	35.4	32.9	31.6
40°	68.4	60.8	55.7	50.6	45.6	40.5	38.0	34.2	30.4	29.1	29.1
42.5°	64.6	55.7	49.4	45.6	40.5	36.7	34.2	30.4	27.9	26.6	26.6
45°	59.5	50.6	44.3	39.2	35.4	32.9	30.4	26.6	24.1	24.1	24.1
47.5°	57.0	46.8	40.5	35.4	31.6	29.1	26.6	22.8	20.3	21.5	21.5
50°	53.2	43.0	35.4	32.9	29.1	26.6	24.1	20.3	19.0	19.0	19.0
52.5°	49.4	38.0	31.6	29.1	26.6	24.1	20.3	16.5	15.2	16.5	15.2
55°	49.4	34.2	27.9	25.3	22.8	20.3	16.5	13.9	12.7	11.4	10.1
57.5°	58.2	34.2	24.1	22.8	20.3	16.5	12.7	10.1	8.9	6.3	5.1
60°	50.6	34.2	21.5	20.3	17.7	13.9	10.1	7.6	5.1	3.8	2.5
62.5°	35.4	26.6	19.0	17.7	13.9	10.1	6.3	3.8	2.5	1.3	1.3
65°	30.4	21.5	17.7	15.2	11.4	7.6	3.8	2.5	1.3	1.3	1.3
67.5°	26.6	20.3	15.2	12.7	10.1	5.1	2.5	1.3	1.3	1.3	1.3
69°	24.1	19.0	15.2	11.4	8.9	3.8	2.5	1.3	1.3	1.3	1.3
70°	22.8	17.7	13.9	11.4	7.6	3.8	1.3	1.3	1.3	1.3	1.3
72.5°	19.0	13.9	11.4	10.1	6.3	2.5	1.3	1.3	1.3	1.3	1.3
75°	13.9	11.4	7.6	7.6	5.1	2.5	1.3	1.3	1.3	1.3	0.0
77.5°	10.1	7.6	5.1	5.1	3.8	2.5	1.3	1.3	1.3	1.3	0.0
80°	6.3	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°	100.0	100.0	100.0	100.0	100.0
2.5°	69.6	69.6	70.9	72.2	72.2
5°	40.5	27.9	29.1	29.1	29.1
7.5°	19.0	19.0	20.3	20.3	20.3
10°	29.1	29.1	29.1	29.1	30.4
12.5°	26.6	27.9	27.9	27.9	29.1
15°	31.6	32.9	34.2	34.2	35.4
17.5°	29.1	29.1	31.6	31.6	31.6
20°	34.2	34.2	34.2	34.2	34.2
22.5°	30.4	31.6	35.4	36.7	38.0
25°	35.4	34.2	34.2	34.2	34.2
27.5°	35.4	35.4	36.7	36.7	36.7
30°	35.4	32.9	32.9	34.2	35.4
32.5°	35.4	35.4	34.2	34.2	34.2
35°	32.9	35.4	35.4	35.4	35.4
37.5°	31.6	31.6	35.4	36.7	36.7
40°	30.4	31.6	32.9	38.0	38.0
42.5°	29.1	31.6	34.2	36.7	36.7
45°	27.9	30.4	31.6	34.2	34.2
47.5°	25.3	27.9	29.1	30.4	30.4
50°	22.8	22.8	24.1	24.1	22.8
52.5°	16.5	16.5	15.2	15.2	15.2
55°	10.1	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)