Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560241

Luminaire Tested: **SDL-PA1-30-750-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560241
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-30-750-U-T4W
Description:	Springdale
	(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3781.8 lumens
Efficiency:	N/A
Efficacy:	125.6 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	30.1
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:	24 FT

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Scaled Data Report

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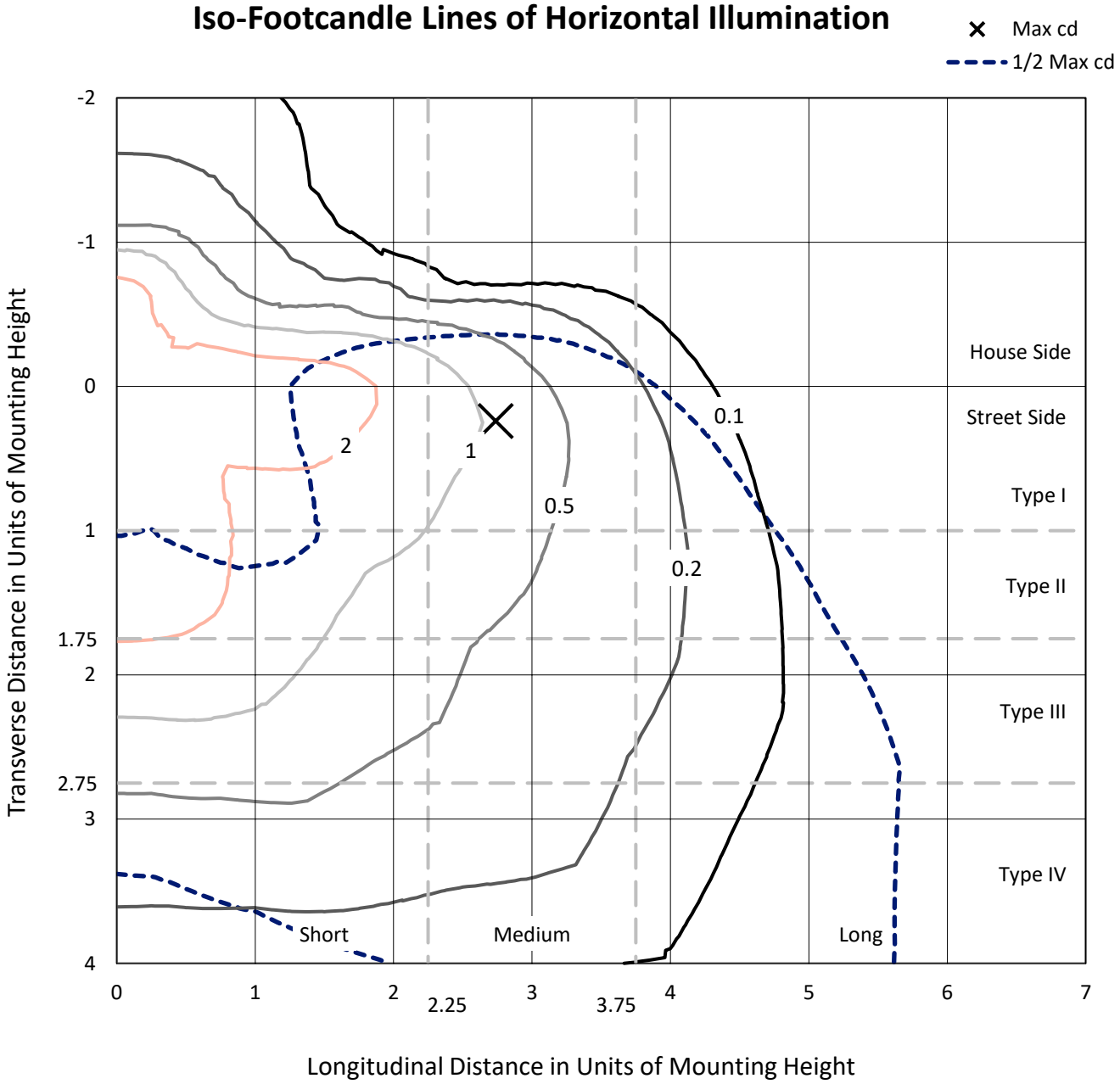
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
Type IV - Medium - N/A

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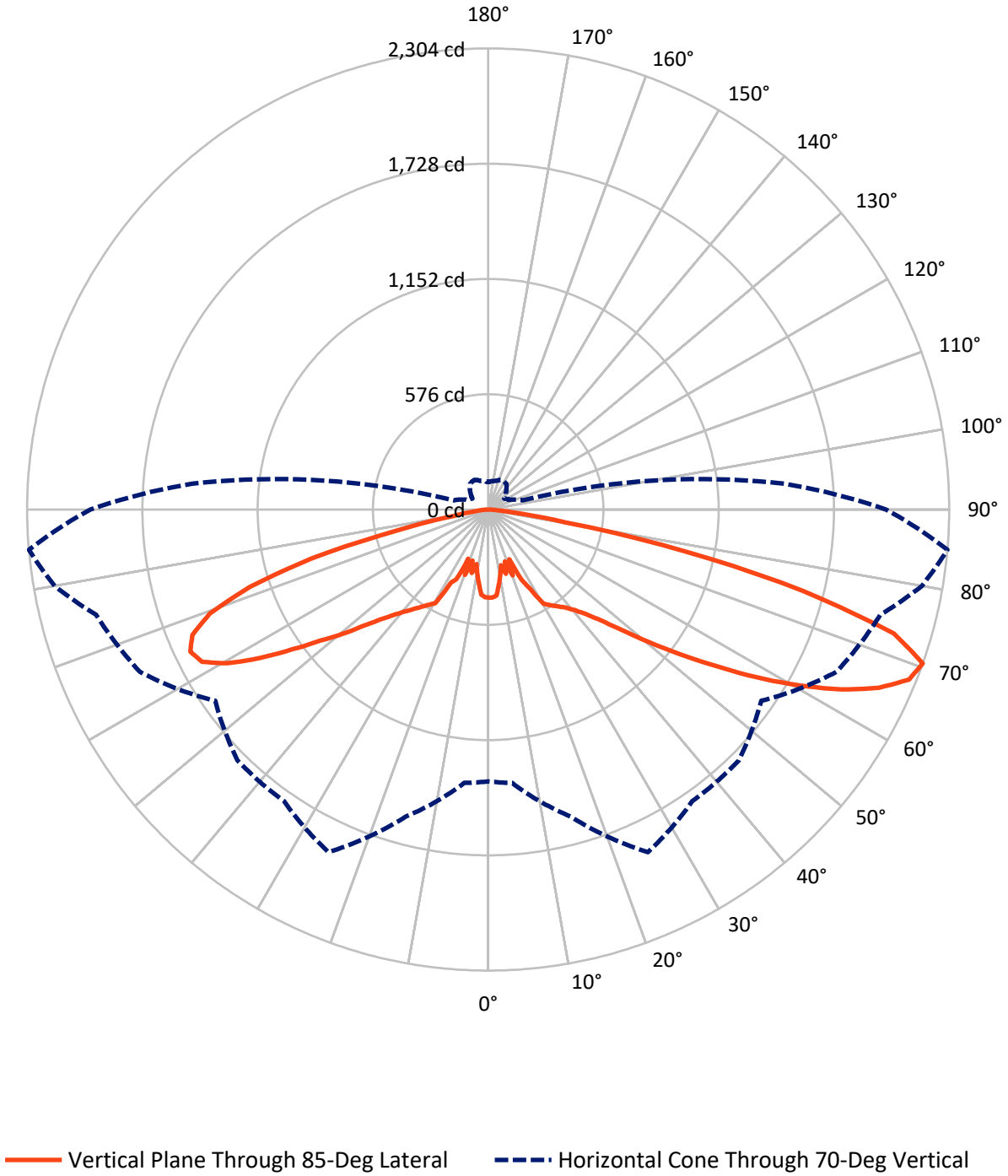
Luminous Intensity Polar Plot



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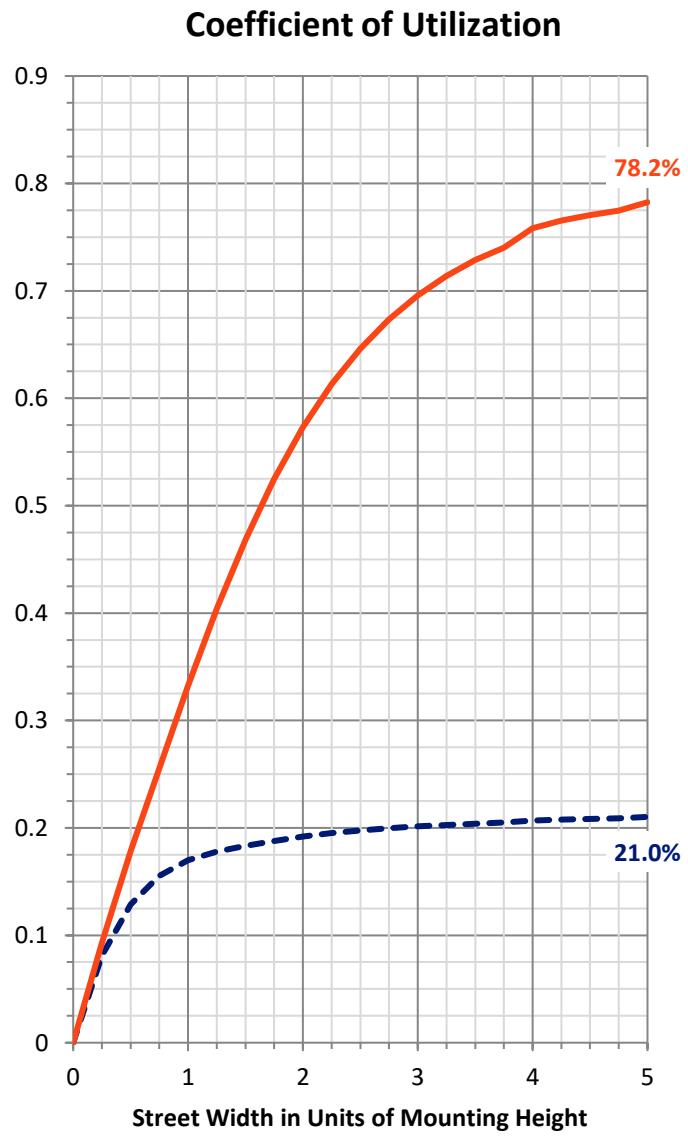
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	813.1	0.0	813.1
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2968.7	0.0	2968.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	3781.8	0.0	3781.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	1.0
10°-20°	92.0	2.4
20°-30°	160.9	4.3
30°-40°	283.4	7.5
40°-50°	427.5	11.3
50°-60°	680.1	18.0
60°-70°	997.3	26.4
70°-80°	935.1	24.7
80°-90°	168.9	4.5
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°	3781.8	100.0
0°-180°	3781.8	100.0

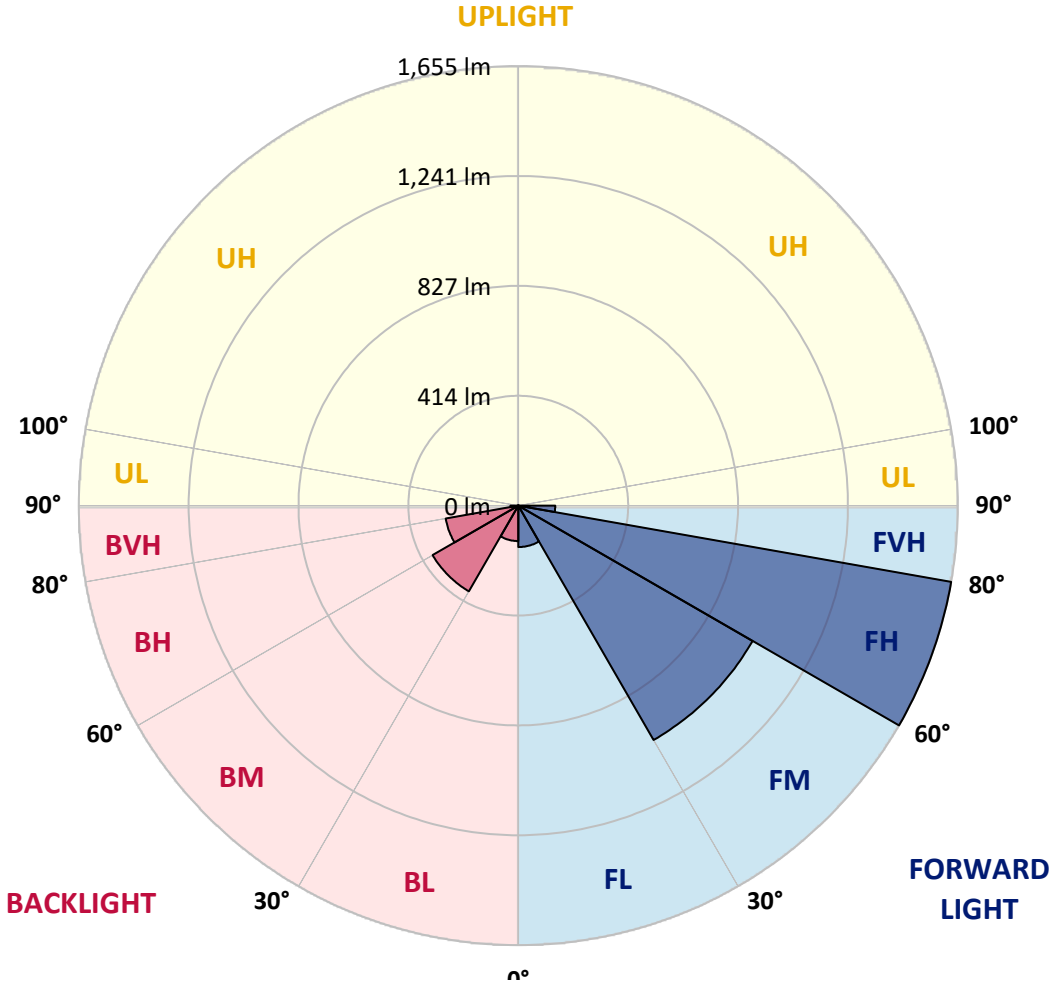


REPORT NUMBER: P560241
CATALOG NUMBER: SDL-PA1-30-750-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	155.9	4.1			
FM	(30°-60°)	1018.8	26.9			
FH	(60°-80°)	1654.9	43.8			G1/1800
FVH	(80°-90°)	139.0	3.7			G2/225
BL	(0°-30°)	133.5	3.5	B1/500		
BM	(30°-60°)	372.2	9.8	B1/1000		
BH	(60°-80°)	277.6	7.3	B1/500		G1/500
BVH	(80°-90°)	29.8	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CATALOG NUMBER: SDL-PA1-30-750-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8
2.5°	399.3	416.0	424.4	432.8	435.6	438.4	438.4	437.0	437.0	437.0	439.8
5°	406.2	404.9	404.9	404.9	403.5	402.1	400.7	397.9	396.5	393.7	392.3
7.5°	372.7	400.7	402.1	403.5	403.5	402.1	404.9	407.6	404.9	400.7	395.1
10°	442.5	441.2	438.4	435.6	431.4	427.2	395.1	361.6	364.4	367.2	340.6
12.5°	383.9	410.4	421.6	432.8	434.2	434.2	411.8	388.1	357.4	326.7	314.1
15°	469.1	466.3	460.7	455.1	417.4	378.3	356.0	333.7	333.7	333.7	296.0
17.5°	395.1	393.7	418.8	443.9	430.0	416.0	383.9	351.8	304.3	255.5	286.2
20°	484.4	484.4	477.4	470.5	406.2	340.6	344.8	347.6	349.0	349.0	335.1
22.5°	406.2	403.5	406.2	407.6	407.6	407.6	349.0	290.4	322.5	353.2	321.1
25°	484.4	485.8	484.4	483.0	424.4	364.4	374.1	383.9	339.2	293.2	323.9
27.5°	423.0	421.6	414.6	407.6	409.0	410.4	379.7	347.6	365.8	383.9	351.8
30°	517.9	519.3	515.1	509.6	450.9	392.3	389.5	385.3	372.7	360.2	371.3
32.5°	625.4	625.4	582.2	538.9	502.6	464.9	434.2	403.5	416.0	428.6	414.6
35°	682.7	679.9	665.9	650.6	583.5	515.1	473.3	430.0	434.2	437.0	437.0
37.5°	784.6	783.2	763.6	744.1	653.3	561.2	506.8	450.9	459.3	466.3	456.5
40°	911.6	911.6	896.3	879.5	763.6	646.4	569.6	492.8	491.4	488.6	477.4
42.5°	1034.5	1038.7	1028.9	1019.1	883.7	748.3	647.8	547.3	534.7	522.1	511.0
45°	1115.4	1121.0	1129.4	1137.8	1003.8	869.7	752.5	633.8	610.1	584.9	565.4
47.5°	1197.8	1189.4	1200.6	1211.8	1097.3	982.8	854.4	725.9	686.9	647.8	626.8
50°	1274.6	1271.8	1276.0	1280.2	1186.6	1093.1	960.5	827.9	780.4	731.5	707.8
52.5°	1375.1	1365.3	1359.7	1354.2	1274.6	1195.0	1069.4	942.3	886.5	829.3	801.3
55°	1471.4	1467.2	1458.9	1449.1	1380.7	1312.3	1179.7	1047.0	988.4	929.8	897.7
57.5°	1570.6	1567.8	1566.4	1565.0	1504.9	1444.9	1309.5	1172.7	1105.7	1037.3	1010.7
60°	1664.1	1665.5	1676.7	1686.4	1640.4	1594.3	1457.5	1320.7	1235.5	1148.9	1122.4
62.5°	1719.9	1724.1	1752.0	1778.6	1753.4	1728.3	1587.3	1444.9	1355.6	1264.8	1246.7
65°	1648.7	1669.7	1750.6	1831.6	1831.6	1831.6	1703.2	1573.3	1495.2	1417.0	1401.6
67.5°	1489.6	1510.5	1626.4	1740.9	1800.9	1860.9	1777.2	1693.4	1640.4	1585.9	1566.4
70°	*1358.4*	*1370.9*	*1479.8*	*1587.3*	*1738.1*	*1888.9*	*1834.4*	*1778.6*	*1775.8*	*1771.6*	*1718.5*
72.5°	1248.1	1276.0	1365.3	1453.3	1661.3	1869.3	1867.9	1866.5	1923.8	1981.0	1879.1
75°	998.2	995.4	1079.1	1162.9	1397.4	1630.6	1761.8	1891.6	2056.4	2219.7	2063.4
77.5°	445.3	476.1	555.6	635.2	846.0	1055.4	1308.1	1560.8	1923.8	2285.3	2126.2
80°	127.0	134.0	156.4	177.3	276.4	374.1	639.4	903.2	1359.7	1814.9	1707.4
82.5°	67.0	69.8	83.8	96.3	124.2	150.8	251.3	350.4	742.7	1133.6	1035.9
85°	32.1	29.3	37.7	44.7	60.0	75.4	115.9	156.4	287.6	418.8	361.6
87.5°	7.0	7.0	8.4	8.4	12.6	16.8	25.1	33.5	32.1	29.3	34.9
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°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	439.8	439.8	439.8	439.8	439.8	439.8	*439.8*	439.8	439.8	439.8	439.8
2.5°	441.2	442.5	443.9	442.5	441.2	439.8	*439.8*	438.4	438.4	437.0	434.2
5°	390.9	410.4	430.0	431.4	432.8	432.8	*431.4*	430.0	427.2	425.8	423.0
7.5°	389.5	382.5	375.5	376.9	378.3	379.7	*379.7*	375.5	374.1	363.0	351.8
10°	312.7	305.7	298.8	302.9	307.1	322.5	*330.9*	328.1	325.3	305.7	284.8
12.5°	301.5	298.8	296.0	275.0	254.1	272.2	*284.8*	283.4	279.2	261.1	242.9
15°	258.3	259.7	259.7	283.4	307.1	322.5	*333.7*	330.9	328.1	305.7	283.4
17.5°	315.5	300.2	283.4	279.2	275.0	282.0	*272.2*	256.9	266.6	263.9	261.1
20°	319.7	282.0	242.9	282.0	321.1	330.9	*351.8*	350.4	346.2	326.7	307.1
22.5°	289.0	311.3	332.3	311.3	290.4	276.4	*269.4*	266.6	265.2	270.8	275.0
25°	354.6	312.7	269.4	321.1	371.3	382.5	*388.1*	383.9	382.5	357.4	332.3
27.5°	318.3	340.6	363.0	379.7	396.5	410.4	*452.3*	411.8	410.4	386.7	361.6
30°	381.1	404.9	428.6	471.9	515.1	538.9	*547.3*	544.5	537.5	499.8	462.1
32.5°	400.7	448.1	494.2	513.7	531.9	557.0	*569.6*	568.2	561.2	516.5	470.5
35°	437.0	471.9	506.8	533.3	558.4	582.2	*593.3*	597.5	589.1	533.3	476.1
37.5°	446.7	491.4	536.1	564.0	591.9	610.1	*619.8*	632.4	622.6	555.6	487.2
40°	466.3	519.3	571.0	598.9	625.4	642.2	*658.9*	674.3	661.7	580.8	498.4
42.5°	498.4	552.8	605.9	638.0	668.7	692.4	*712.0*	732.9	709.2	604.5	498.4
45°	545.9	596.1	646.4	689.6	731.5	760.8	*788.8*	818.1	770.6	635.2	498.4
47.5°	605.9	654.7	702.2	770.6	839.0	865.5	*899.1*	927.0	850.2	674.3	498.4
50°	682.7	737.1	791.6	882.3	971.6	996.8	*1038.7*	1059.6	956.3	734.3	511.0
52.5°	772.0	832.0	890.7	996.8	1102.9	1144.8	*1200.6*	1214.6	1063.8	794.4	523.5
55°	865.5	946.5	1026.1	1143.4	1259.2	1299.7	*1379.3*	1390.5	1202.0	868.3	533.3
57.5°	984.2	1079.1	1172.7	1287.2	1400.2	1457.5	*1581.7*	1585.9	1362.5	959.1	554.2
60°	1095.9	1214.6	1331.8	1440.7	1549.6	1639.0	*1782.8*	1784.1	1513.3	1027.5	540.3
62.5°	1228.5	1369.5	1509.1	1602.7	1696.2	1806.5	*1979.6*	1954.5	1619.4	1035.9	452.3
65°	1384.9	1530.1	1675.3	1754.8	1833.0	1958.7	*2145.7*	2049.4	1648.7	988.4	326.7
67.5°	1545.4	1680.8	1816.3	1879.1	1941.9	2101.1	*2267.2*	2060.6	1605.5	917.2	227.6
70°	*1665.5*	*1792.5*	*1919.6*	*1974.0*	*2028.5*	*2200.2*	*2303.5*	*1988.0*	*1484.0*	*830.6*	*177.3*
72.5°	1775.8	1895.8	2014.5	2042.4	2068.9	2156.9	*2119.2*	1752.0	1250.9	699.4	146.6
75°	1907.0	1983.8	2059.2	2008.9	1958.7	1840.0	*1626.4*	1277.4	915.8	520.7	125.6
77.5°	1967.0	1948.9	1929.3	1757.6	1585.9	1267.6	*1010.7*	738.5	464.9	286.2	107.5
80°	1599.9	1527.3	1453.3	1165.7	878.1	600.3	*393.7*	249.9	170.3	128.4	86.6
82.5°	936.7	767.8	598.9	439.8	280.6	196.8	*128.4*	101.9	79.6	75.4	69.8
85°	302.9	268.0	233.1	184.3	135.4	83.8	*48.9*	44.7	41.9	46.1	48.9
87.5°	40.5	40.5	39.1	29.3	18.1	9.8	*5.6*	4.2	4.2	5.6	5.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8
2.5°	434.2	432.8	431.4	430.0	428.6	425.8	414.6	403.5	399.3	393.7	389.5
5°	409.0	395.1	385.3	375.5	371.3	365.8	367.2	368.6	370.0	370.0	370.0
7.5°	354.6	357.4	358.8	358.8	363.0	365.8	368.6	370.0	364.4	358.8	351.8
10°	282.0	277.8	283.4	287.6	294.6	300.2	318.3	336.4	353.2	370.0	376.9
12.5°	256.9	270.8	259.7	248.5	270.8	291.8	316.9	342.0	357.4	371.3	358.8
15°	261.1	237.3	240.1	241.5	269.4	296.0	280.6	265.2	308.5	350.4	363.0
17.5°	256.9	252.7	268.0	282.0	255.5	229.0	266.6	302.9	322.5	342.0	336.4
20°	277.8	247.1	247.1	247.1	270.8	294.6	276.4	258.3	279.2	300.2	335.1
22.5°	287.6	298.8	276.4	252.7	268.0	283.4	283.4	282.0	305.7	328.1	322.5
25°	290.4	248.5	268.0	286.2	276.4	265.2	277.8	289.0	296.0	302.9	333.7
27.5°	332.3	302.9	280.6	256.9	275.0	293.2	289.0	284.8	290.4	296.0	302.9
30°	393.7	325.3	300.2	273.6	263.9	252.7	265.2	276.4	297.4	318.3	346.2
32.5°	411.8	351.8	311.3	269.4	268.0	265.2	269.4	272.2	296.0	318.3	357.4
35°	409.0	340.6	301.5	261.1	252.7	244.3	251.3	256.9	291.8	326.7	364.4
37.5°	406.2	323.9	283.4	242.9	237.3	230.3	237.3	244.3	270.8	297.4	332.3
40°	402.1	304.3	265.2	224.8	217.8	210.8	217.8	223.4	244.3	265.2	293.2
42.5°	392.3	284.8	245.7	205.2	199.6	192.7	198.2	203.8	222.0	240.1	256.9
45°	381.1	262.5	224.8	187.1	181.5	175.9	180.1	182.9	199.6	215.0	223.4
47.5°	368.6	238.7	203.8	168.9	163.3	157.8	161.9	164.7	177.3	189.9	192.7
50°	365.8	219.2	187.1	153.6	149.4	143.8	146.6	149.4	159.1	167.5	167.5
52.5°	360.2	195.4	168.9	141.0	138.2	134.0	135.4	136.8	143.8	150.8	149.4
55°	356.0	178.7	155.0	131.2	128.4	124.2	125.6	127.0	134.0	139.6	138.2
57.5°	360.2	164.7	143.8	121.5	118.7	115.9	118.7	121.5	128.4	135.4	135.4
60°	346.2	150.8	131.2	111.7	110.3	107.5	114.5	120.1	131.2	141.0	143.8
62.5°	296.0	138.2	121.5	104.7	106.1	106.1	118.7	129.8	145.2	159.1	161.9
65°	227.6	128.4	114.5	99.1	106.1	113.1	129.8	146.6	160.5	174.5	170.3
67.5°	174.5	121.5	110.3	97.7	113.1	127.0	142.4	157.8	164.7	170.3	163.3
70°	*146.6*	*114.5*	*106.1*	*96.3*	*111.7*	*127.0*	*142.4*	*157.8*	*160.5*	*163.3*	*156.4*
72.5°	128.4	108.9	100.5	92.1	104.7	117.3	135.4	152.2	155.0	156.4	149.4
75°	114.5	101.9	92.1	82.4	94.9	106.1	124.2	142.4	145.2	146.6	141.0
77.5°	100.5	93.5	82.4	71.2	83.8	96.3	113.1	129.8	134.0	138.2	131.2
80°	83.8	79.6	71.2	62.8	76.8	89.3	104.7	120.1	124.2	128.4	121.5
82.5°	67.0	64.2	58.6	53.0	67.0	81.0	96.3	110.3	114.5	117.3	108.9
85°	48.9	48.9	46.1	43.3	57.2	69.8	79.6	89.3	88.0	86.6	81.0
87.5°	7.0	7.0	9.8	12.6	16.8	19.5	25.1	29.3	30.7	30.7	23.7
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):

	165°	170°	175°	180°
0°	439.8	439.8	439.8	439.8
2.5°	385.3	385.3	383.9	386.7
5°	370.0	371.3	371.3	372.7
7.5°	344.8	337.8	329.5	330.9
10°	383.9	385.3	386.7	386.7
12.5°	344.8	339.2	332.3	333.7
15°	374.1	378.3	382.5	383.9
17.5°	329.5	328.1	326.7	325.3
20°	368.6	375.5	382.5	382.5
22.5°	316.9	316.9	316.9	318.3
25°	364.4	372.7	379.7	379.7
27.5°	308.5	328.1	347.6	363.0
30°	372.7	376.9	381.1	382.5
32.5°	395.1	416.0	435.6	439.8
35°	400.7	410.4	418.8	423.0
37.5°	367.2	375.5	383.9	389.5
40°	319.7	326.7	333.7	337.8
42.5°	272.2	273.6	275.0	282.0
45°	231.7	224.8	217.8	216.4
47.5°	194.1	184.3	174.5	173.1
50°	166.1	157.8	149.4	149.4
52.5°	146.6	141.0	135.4	135.4
55°	136.8	134.0	129.8	129.8
57.5°	135.4	134.0	132.6	132.6
60°	145.2	146.6	146.6	146.6
62.5°	163.3	164.7	164.7	164.7
65°	164.7	161.9	159.1	159.1
67.5°	156.4	152.2	148.0	145.2
70°	*148.0*	*145.2*	*141.0*	*136.8*
72.5°	141.0	138.2	134.0	129.8
75°	134.0	129.8	124.2	121.5
77.5°	124.2	121.5	117.3	114.5
80°	113.1	110.3	106.1	100.5
82.5°	100.5	101.9	101.9	88.0
85°	74.0	69.8	64.2	53.0
87.5°	15.4	14.0	11.2	9.8
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)