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: P560237

Luminaire Tested: **SDL-PA1-30-750-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560237
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
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-T3
Description:	Springdale
	(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3787.3 lumens
Efficiency:	N/A
Efficacy:	125.8 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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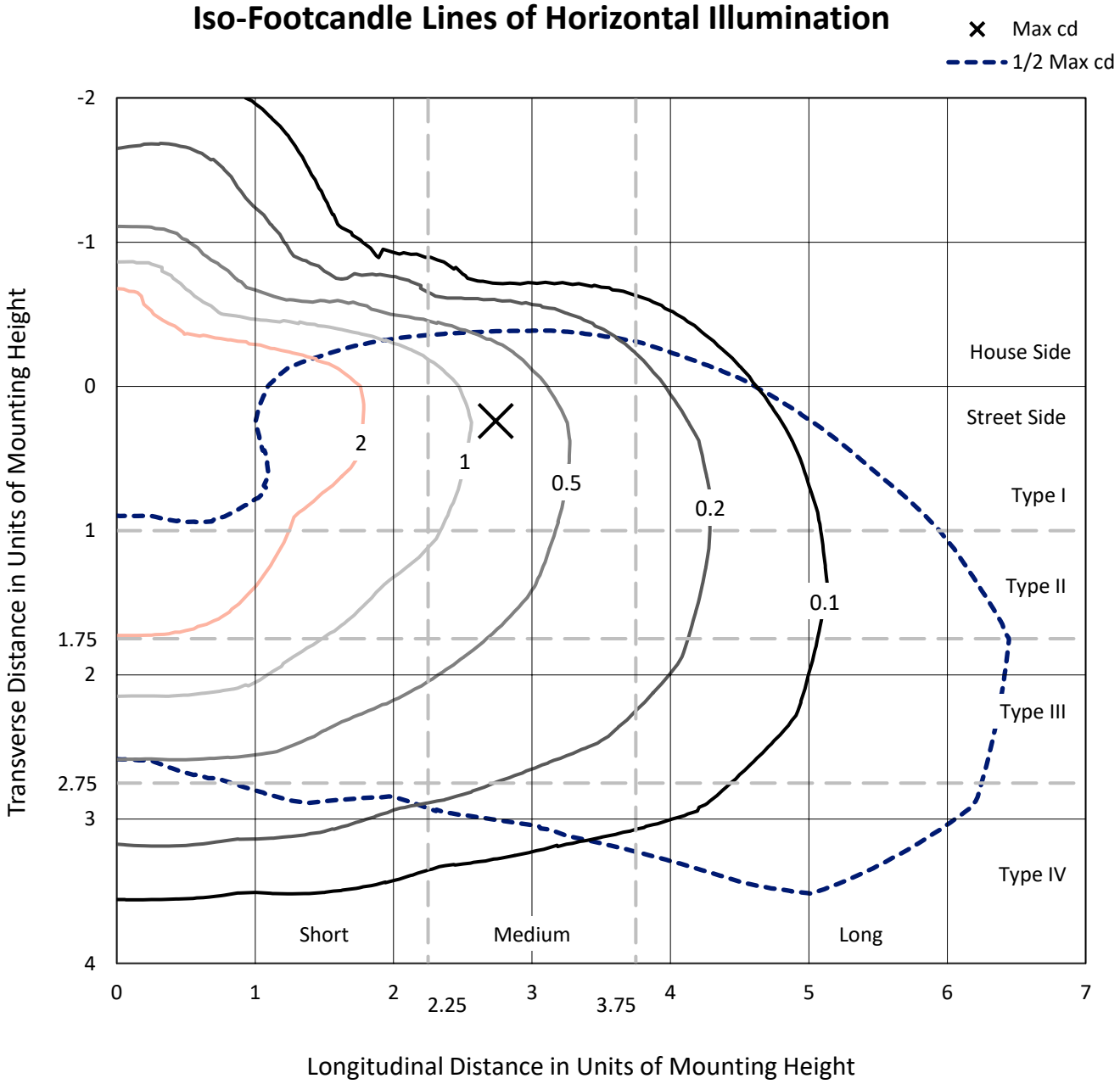
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Medium - N/A

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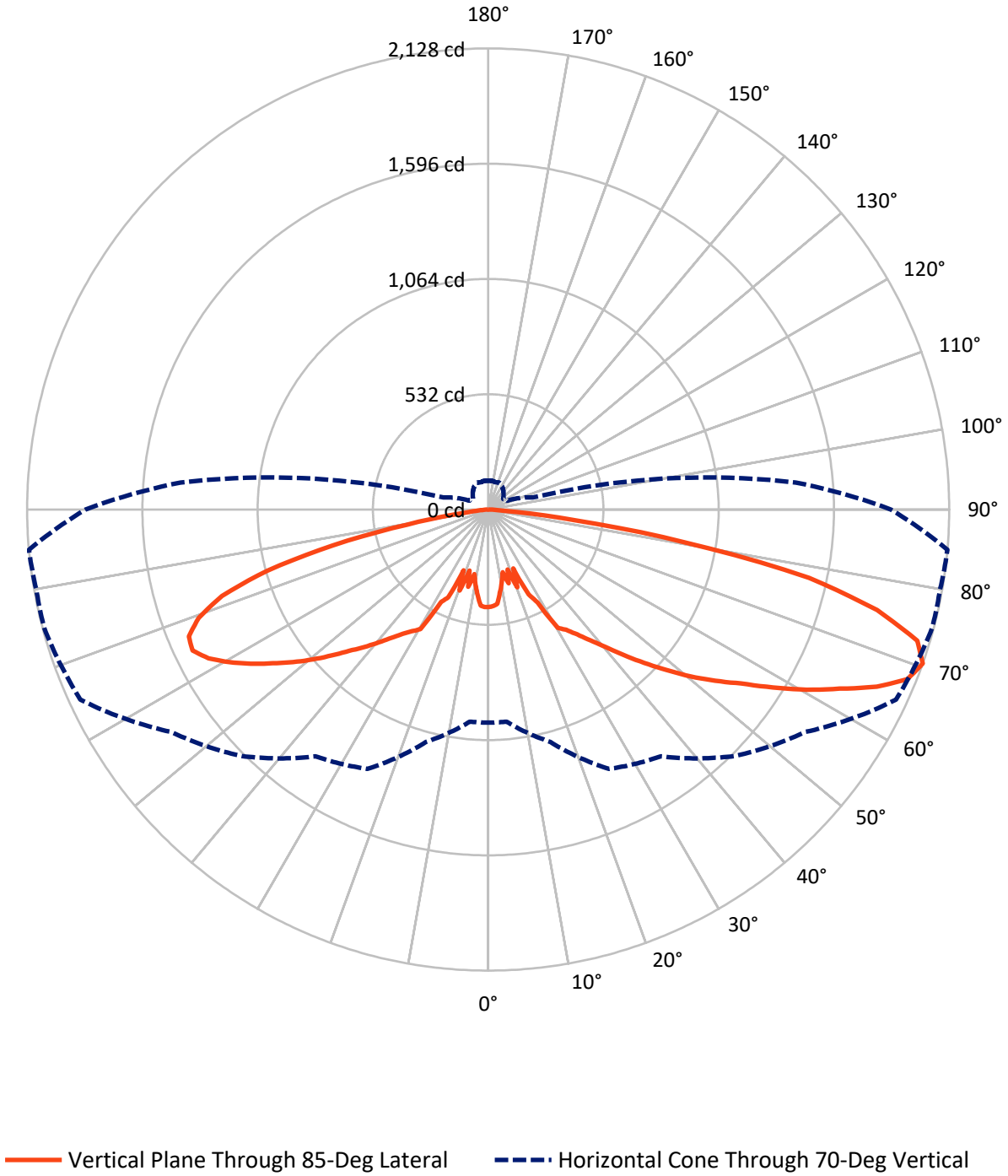
Luminous Intensity Polar Plot



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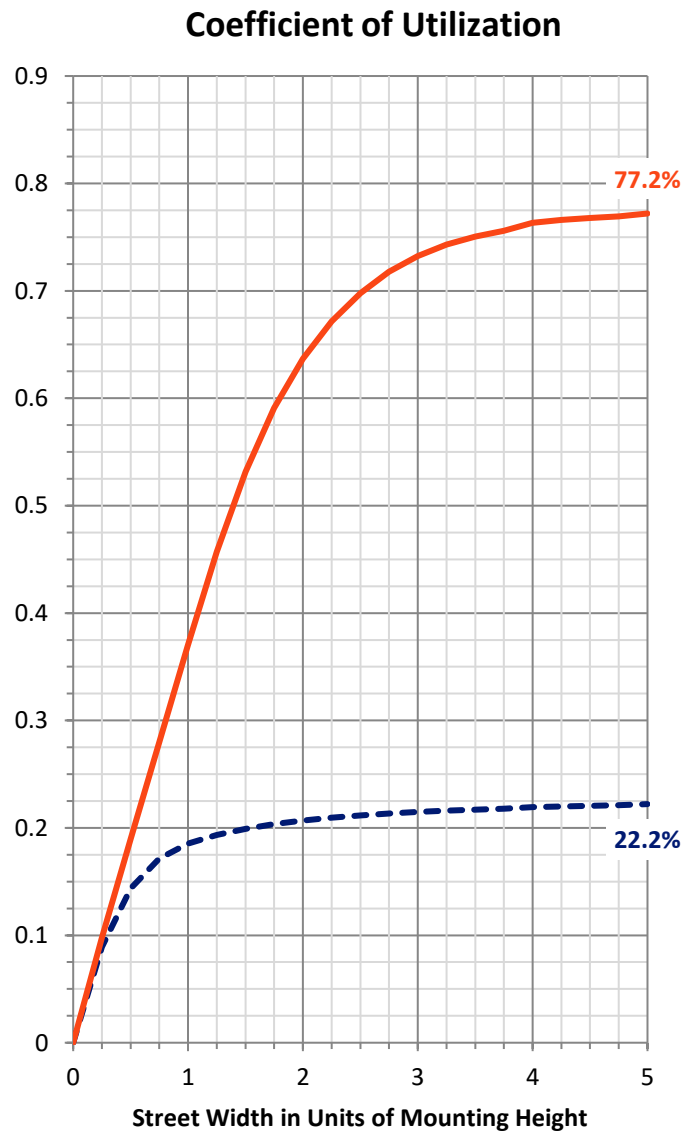
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	856.3	0.0	856.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2930.9	0.0	2930.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	3787.3	0.0	3787.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	1.0
10°-20°	91.5	2.4
20°-30°	167.1	4.4
30°-40°	315.6	8.3
40°-50°	514.2	13.6
50°-60°	793.2	20.9
60°-70°	972.2	25.7
70°-80°	761.4	20.1
80°-90°	135.6	3.6
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°	3787.3	100.0
0°-180°	3787.3	100.0



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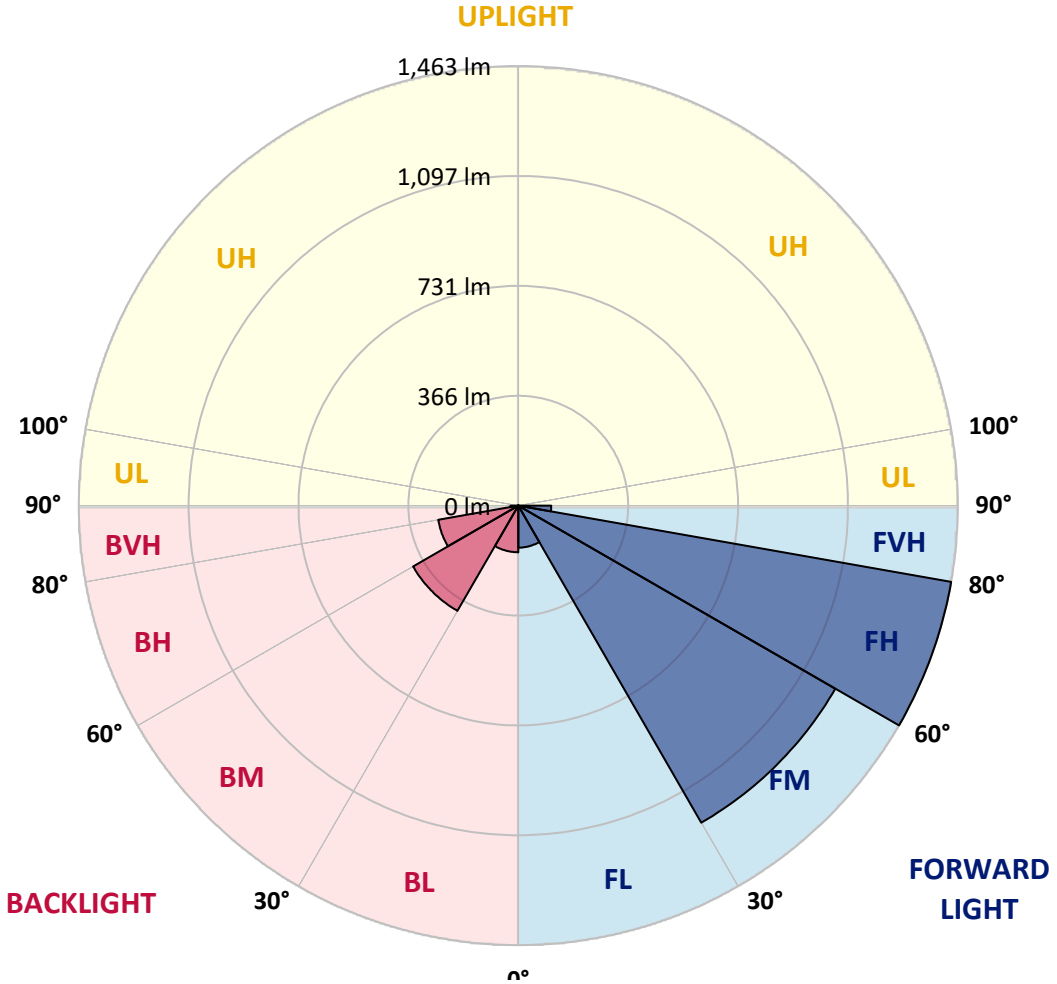
CATALOG NUMBER: SDL-PA1-30-750-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	139.8	3.7			
FM	(30°-60°)	1218.4	32.2			
FH	(60°-80°)	1462.9	38.6			G1/1800
FVH	(80°-90°)	109.8	2.9			G2/225
BL	(0°-30°)	155.3	4.1	B1/500		
BM	(30°-60°)	404.5	10.7	B1/1000		
BH	(60°-80°)	270.7	7.1	B1/500		G1/500
BVH	(80°-90°)	25.8	0.7			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-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	371.0	404.2	404.2	404.2	411.1	416.7	419.4	420.8	426.3	430.5	433.3
5°	346.1	347.4	347.4	347.4	348.8	350.2	351.6	353.0	355.7	357.1	361.3
7.5°	290.7	296.2	307.3	317.0	323.9	330.8	336.4	340.5	343.3	346.1	347.4
10°	323.9	323.9	323.9	323.9	323.9	323.9	307.3	290.7	292.1	292.1	283.8
12.5°	271.3	279.6	292.1	303.1	312.8	321.1	310.1	299.0	278.2	257.5	257.5
15°	314.2	314.2	312.8	311.4	293.5	275.5	258.8	242.2	253.3	264.4	245.0
17.5°	269.9	271.3	287.9	303.1	300.4	296.2	281.0	264.4	238.1	210.4	238.1
20°	346.1	341.9	333.6	325.3	286.5	247.8	254.7	261.6	268.5	274.1	274.1
22.5°	318.4	321.1	326.7	332.2	328.1	322.5	282.4	242.2	265.8	289.3	268.5
25°	436.0	436.0	419.4	402.8	361.3	318.4	325.3	330.8	290.7	249.2	283.8
27.5°	402.8	400.0	393.1	384.8	393.1	400.0	364.1	326.7	337.8	348.8	319.8
30°	535.7	535.7	528.8	521.9	462.3	401.4	397.3	391.7	368.2	343.3	359.9
32.5°	642.3	640.9	609.1	577.2	544.0	509.4	473.4	436.0	433.3	430.5	427.7
35°	769.6	769.6	751.6	733.6	660.3	585.5	542.6	499.7	487.2	474.8	484.5
37.5°	841.6	851.3	844.4	836.1	755.8	674.1	614.6	553.7	541.2	528.8	532.9
40°	941.3	938.5	937.1	934.3	841.6	748.9	685.2	620.1	611.8	603.5	603.5
42.5°	1092.2	1076.9	1060.3	1042.3	948.2	854.1	783.5	711.5	696.3	679.7	681.0
45°	1299.8	1283.2	1244.4	1204.3	1108.8	1013.3	919.1	825.0	798.7	771.0	768.2
47.5°	1427.1	1409.1	1389.8	1369.0	1266.6	1164.1	1067.2	969.0	930.2	891.4	876.2
50°	1558.6	1542.0	1526.8	1511.6	1421.6	1331.6	1234.7	1137.8	1076.9	1016.0	989.7
52.5°	1683.2	1652.8	1637.5	1622.3	1546.2	1468.7	1367.6	1266.6	1220.9	1175.2	1118.5
55°	1744.1	1706.7	1701.2	1694.3	1637.5	1579.4	1482.5	1385.6	1334.4	1281.8	1225.0
57.5°	1658.3	1661.1	1691.5	1722.0	1690.1	1658.3	1566.9	1475.6	1424.4	1373.1	1330.2
60°	1580.8	1601.5	1638.9	1676.3	1679.1	1680.4	1632.0	1583.5	1526.8	1470.0	1436.8
62.5°	1474.2	1489.4	1547.6	1604.3	1647.2	1688.8	1638.9	1589.1	1569.7	1548.9	1528.2
65°	1330.2	1334.4	1400.8	1465.9	1543.4	1619.5	1580.8	1542.0	1575.2	1607.1	1609.8
67.5°	1154.4	1166.9	1232.0	1297.0	1391.1	1483.9	1482.5	1481.1	1551.7	1620.9	1669.4
70°	*982.8*	*982.8*	*1046.5*	*1110.1*	*1215.3*	*1320.5*	*1355.2*	*1389.8*	*1499.1*	*1608.5*	*1698.4*
72.5°	740.6	775.2	808.4	841.6	959.3	1075.5	1151.7	1227.8	1391.1	1553.1	1690.1
75°	408.3	411.1	440.2	469.3	586.9	704.6	819.5	934.3	1153.1	1371.8	1587.7
77.5°	134.3	130.1	146.7	162.0	231.2	299.0	395.9	492.8	733.6	974.5	1321.9
80°	74.7	76.1	81.7	87.2	109.4	130.1	177.2	224.2	326.7	427.7	840.2
82.5°	49.8	51.2	56.8	62.3	72.0	81.7	108.0	132.9	142.6	150.9	379.3
85°	31.8	33.2	36.0	38.8	41.5	42.9	60.9	78.9	72.0	65.1	113.5
87.5°	6.9	6.9	8.3	8.3	9.7	11.1	13.8	16.6	15.2	12.5	16.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	449.9	449.9	449.9	449.9	449.9	449.9	*449.9*	449.9	449.9	449.9	449.9
2.5°	434.6	437.4	438.8	440.2	441.6	444.3	*445.7*	447.1	449.9	451.3	451.3
5°	365.4	390.4	413.9	422.2	430.5	434.6	*437.4*	441.6	444.3	447.1	449.9
7.5°	348.8	350.2	351.6	361.3	371.0	379.3	*387.6*	390.4	397.3	393.1	387.6
10°	274.1	275.5	275.5	285.1	294.8	323.9	*343.3*	347.4	351.6	335.0	317.0
12.5°	256.1	263.0	269.9	265.8	261.6	282.4	*296.2*	301.8	304.5	293.5	282.4
15°	224.2	231.2	236.7	268.5	300.4	328.1	*353.0*	359.9	368.2	350.2	330.8
17.5°	265.8	263.0	258.8	264.4	269.9	276.8	*290.7*	294.8	294.8	300.4	305.9
20°	274.1	243.6	213.2	269.9	326.7	351.6	*383.4*	394.5	397.3	382.0	366.8
22.5°	246.4	281.0	315.6	308.7	301.8	294.8	*294.8*	299.0	303.1	305.9	308.7
25°	317.0	287.9	258.8	325.3	391.7	418.0	*433.3*	440.2	445.7	426.3	405.6
27.5°	290.7	329.4	366.8	395.9	425.0	454.0	*485.9*	516.3	478.9	460.9	443.0
30°	375.1	407.0	438.8	508.0	577.2	614.6	*634.0*	634.0	634.0	607.7	580.0
32.5°	425.0	480.3	535.7	573.1	609.1	646.4	*661.7*	661.7	661.7	629.8	596.6
35°	492.8	537.1	581.4	624.3	667.2	696.3	*707.3*	703.2	694.9	652.0	609.1
37.5°	537.1	596.6	656.1	700.4	743.3	761.3	*765.5*	753.0	740.6	683.8	625.7
40°	603.5	668.6	732.3	779.3	826.4	841.6	*833.3*	816.7	794.5	718.4	642.3
42.5°	681.0	746.1	811.2	866.5	920.5	930.2	*917.7*	891.4	852.7	748.9	643.7
45°	765.5	830.5	894.2	956.5	1018.8	1025.7	*1009.1*	970.3	913.6	777.9	642.3
47.5°	859.6	910.8	962.0	1050.6	1139.2	1130.9	*1106.0*	1061.7	986.9	812.5	636.7
50°	963.4	1003.6	1042.3	1153.1	1263.8	1238.9	*1211.2*	1162.7	1064.5	852.7	639.5
52.5°	1060.3	1099.1	1137.8	1252.7	1366.2	1342.7	*1312.2*	1269.3	1143.4	895.6	646.4
55°	1168.3	1209.8	1251.3	1373.1	1495.0	1454.8	*1416.1*	1388.4	1220.9	931.6	642.3
57.5°	1285.9	1338.5	1391.1	1503.3	1614.0	1571.1	*1548.9*	1513.0	1306.7	974.5	642.3
60°	1403.6	1467.3	1530.9	1629.2	1727.5	1692.9	*1688.8*	1638.9	1387.0	1006.3	624.3
62.5°	1507.4	1602.9	1698.4	1776.0	1852.1	1818.9	*1820.3*	1762.1	1461.7	1013.3	563.4
65°	1612.6	1735.8	1857.6	1914.4	1971.1	1947.6	*1971.1*	1867.3	1511.6	985.6	459.6
67.5°	1716.4	1852.1	1987.7	2030.7	2073.6	2059.7	*2087.4*	1901.9	1500.5	913.6	325.3
70°	*1788.4*	*1932.4*	*2076.3*	*2098.5*	*2120.6*	*2117.9*	*2127.5*	*1859.0*	*1425.7*	*820.8*	*214.6*
72.5°	1827.2	1962.8	2097.1	2106.8	2115.1	2110.9	*2070.8*	1724.7	1291.5	719.8	148.1
75°	1802.3	1933.8	2065.3	2045.9	2026.5	1987.7	*1853.5*	1485.3	1058.9	584.1	109.4
77.5°	1669.4	1811.9	1954.5	1904.7	1853.5	1740.0	*1514.3*	1112.9	736.4	411.1	84.4
80°	1252.7	1428.5	1604.3	1544.8	1483.9	1244.4	*921.9*	622.9	380.7	222.9	65.1
82.5°	606.3	704.6	802.8	787.6	772.4	571.7	*398.7*	224.2	109.4	80.3	51.2
85°	160.6	238.1	315.6	301.8	287.9	152.3	*66.4*	58.1	42.9	40.1	36.0
87.5°	19.4	22.1	23.5	16.6	8.3	6.9	*6.9*	4.2	4.2	5.5	5.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	454.0	455.4	455.4	455.4	455.4	455.4	444.3	433.3	430.5	427.7	422.2
5°	437.4	423.6	413.9	404.2	404.2	402.8	407.0	411.1	413.9	415.3	416.7
7.5°	389.0	390.4	398.7	405.6	412.5	418.0	422.2	425.0	422.2	418.0	401.4
10°	318.4	319.8	326.7	332.2	341.9	350.2	373.7	395.9	422.2	448.5	455.4
12.5°	303.1	322.5	311.4	300.4	330.8	359.9	390.4	419.4	440.2	459.6	445.7
15°	308.7	286.5	290.7	294.8	332.2	369.6	347.4	323.9	379.3	434.6	447.1
17.5°	307.3	307.3	328.1	348.8	314.2	278.2	329.4	379.3	401.4	422.2	405.6
20°	328.1	287.9	303.1	317.0	344.7	371.0	348.8	326.7	335.0	343.3	397.3
22.5°	341.9	373.7	339.1	303.1	328.1	353.0	348.8	344.7	369.6	394.5	380.7
25°	357.1	307.3	332.2	355.7	328.1	299.0	321.1	341.9	335.0	328.1	371.0
27.5°	409.7	375.1	343.3	311.4	328.1	343.3	326.7	308.7	315.6	322.5	319.8
30°	495.6	409.7	369.6	329.4	308.7	286.5	287.9	289.3	297.6	305.9	329.4
32.5°	517.7	438.8	380.7	322.5	308.7	294.8	282.4	268.5	281.0	293.5	321.1
35°	523.2	436.0	373.7	311.4	289.3	267.2	258.8	250.5	271.3	292.1	317.0
37.5°	520.5	413.9	347.4	281.0	264.4	247.8	243.6	238.1	251.9	264.4	282.4
40°	513.5	384.8	318.4	251.9	238.1	224.2	221.5	218.7	228.4	238.1	249.2
42.5°	501.1	357.1	290.7	224.2	214.6	204.9	202.1	197.9	206.2	214.6	218.7
45°	485.9	329.4	267.2	203.5	196.6	188.3	184.1	178.6	186.9	193.8	195.2
47.5°	470.6	303.1	246.4	188.3	182.7	175.8	171.6	166.1	173.0	178.6	179.9
50°	458.2	275.5	224.2	173.0	167.5	162.0	157.8	153.6	160.6	166.1	166.1
52.5°	451.3	254.7	204.9	155.0	152.3	149.5	148.1	145.3	150.9	156.4	157.8
55°	434.6	225.6	182.7	138.4	139.8	139.8	138.4	135.7	146.7	156.4	160.6
57.5°	416.7	191.0	159.2	126.0	128.7	131.5	132.9	134.3	146.7	157.8	163.3
60°	393.1	162.0	138.4	114.9	119.0	121.8	128.7	134.3	145.3	156.4	159.2
62.5°	351.6	138.4	121.8	105.2	110.7	116.3	124.6	132.9	141.2	149.5	149.5
65°	290.7	120.4	109.4	96.9	105.2	112.1	121.8	131.5	138.4	144.0	142.6
67.5°	217.3	108.0	99.7	90.0	99.7	108.0	116.3	124.6	132.9	141.2	138.4
70°	*156.4*	*96.9*	*91.4*	*84.4*	*92.7*	*101.0*	*109.4*	*117.7*	*126.0*	*134.3*	*132.9*
72.5°	119.0	88.6	83.1	77.5	85.8	92.7	102.4	112.1	120.4	128.7	126.0
75°	95.5	80.3	76.1	70.6	78.9	87.2	96.9	105.2	113.5	121.8	119.0
77.5°	78.9	72.0	67.8	63.7	70.6	77.5	87.2	96.9	105.2	112.1	109.4
80°	63.7	60.9	58.1	54.0	62.3	69.2	78.9	87.2	94.1	101.0	96.9
82.5°	49.8	48.4	47.1	44.3	51.2	58.1	67.8	77.5	83.1	88.6	85.8
85°	37.4	37.4	36.0	34.6	40.1	44.3	49.8	54.0	59.5	63.7	60.9
87.5°	5.5	5.5	8.3	9.7	9.7	9.7	13.8	18.0	18.0	16.6	13.8
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):

	165°	170°	175°	180°
0°	449.9	449.9	449.9	449.9
2.5°	416.7	416.7	416.7	418.0
5°	418.0	419.4	419.4	422.2
7.5°	383.4	382.0	380.7	380.7
10°	460.9	463.7	465.1	467.9
12.5°	430.5	413.9	397.3	397.3
15°	459.6	462.3	463.7	466.5
17.5°	389.0	387.6	386.2	383.4
20°	449.9	452.6	454.0	454.0
22.5°	366.8	366.8	365.4	365.4
25°	413.9	413.9	413.9	416.7
27.5°	315.6	325.3	335.0	347.4
30°	353.0	354.4	355.7	355.7
32.5°	348.8	366.8	384.8	387.6
35°	341.9	341.9	340.5	341.9
37.5°	300.4	296.2	290.7	293.5
40°	258.8	249.2	239.5	238.1
42.5°	222.9	214.6	204.9	204.9
45°	196.6	191.0	184.1	181.3
47.5°	179.9	174.4	168.9	167.5
50°	164.7	159.2	153.6	153.6
52.5°	159.2	155.0	149.5	148.1
55°	164.7	156.4	148.1	145.3
57.5°	167.5	157.8	148.1	144.0
60°	160.6	155.0	148.1	142.6
62.5°	148.1	145.3	142.6	139.8
65°	139.8	139.8	138.4	135.7
67.5°	135.7	137.0	137.0	134.3
70°	*130.1*	*132.9*	*134.3*	*131.5*
72.5°	123.2	124.6	124.6	120.4
75°	114.9	113.5	112.1	109.4
77.5°	105.2	103.8	101.0	98.3
80°	92.7	91.4	90.0	85.8
82.5°	81.7	84.4	85.8	70.6
85°	56.8	51.2	45.7	37.4
87.5°	11.1	8.3	4.2	4.2
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)