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: P560255

Luminaire Tested: **SDL-PA1-30-760-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560255
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-30-760-U-T2U
Description:	Springdale
	(1) 70 CRI, 5700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3846.6 lumens
Efficiency:	N/A
Efficacy:	127.8 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

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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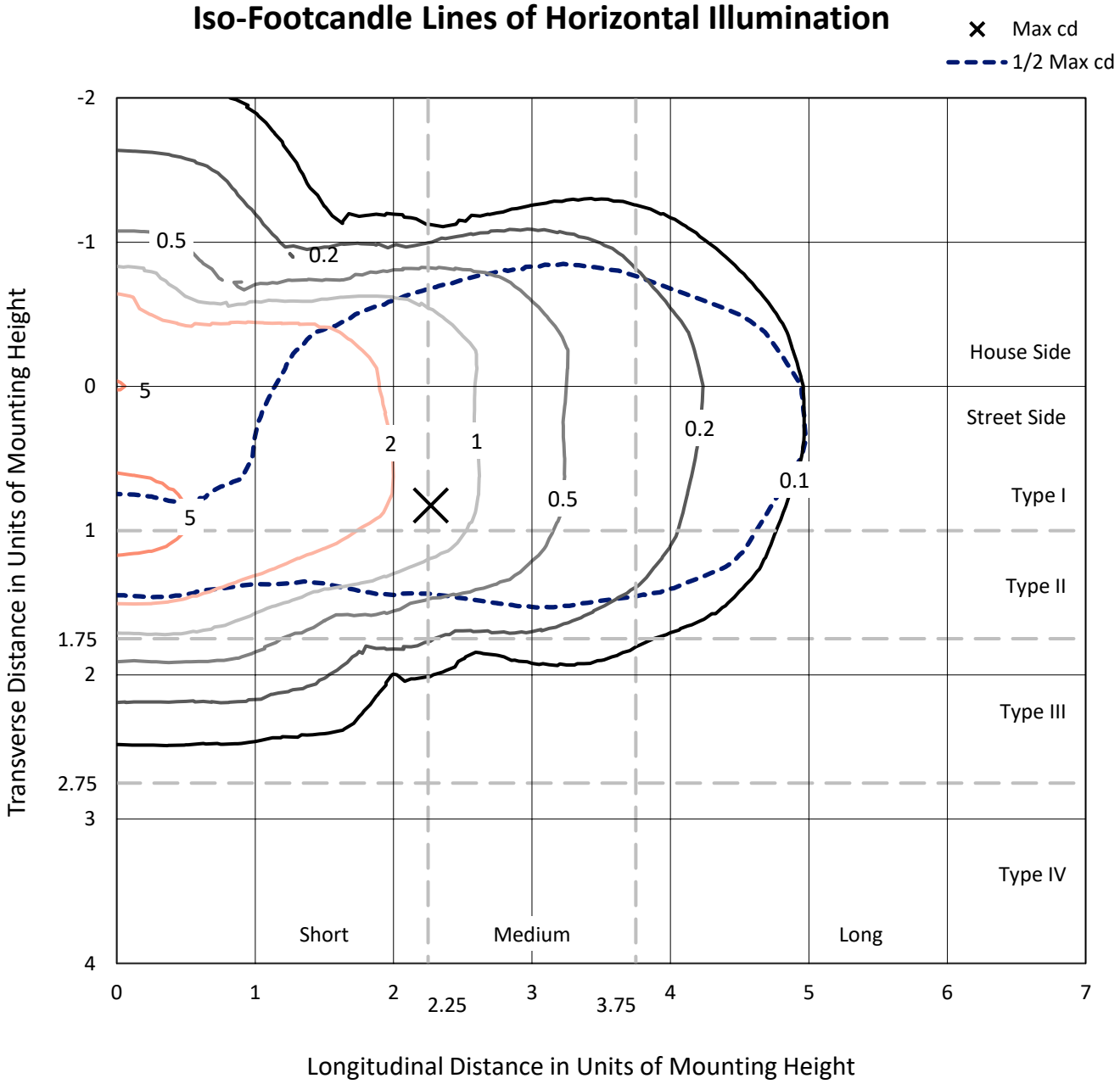
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7 fc
Type II - Medium - N/A

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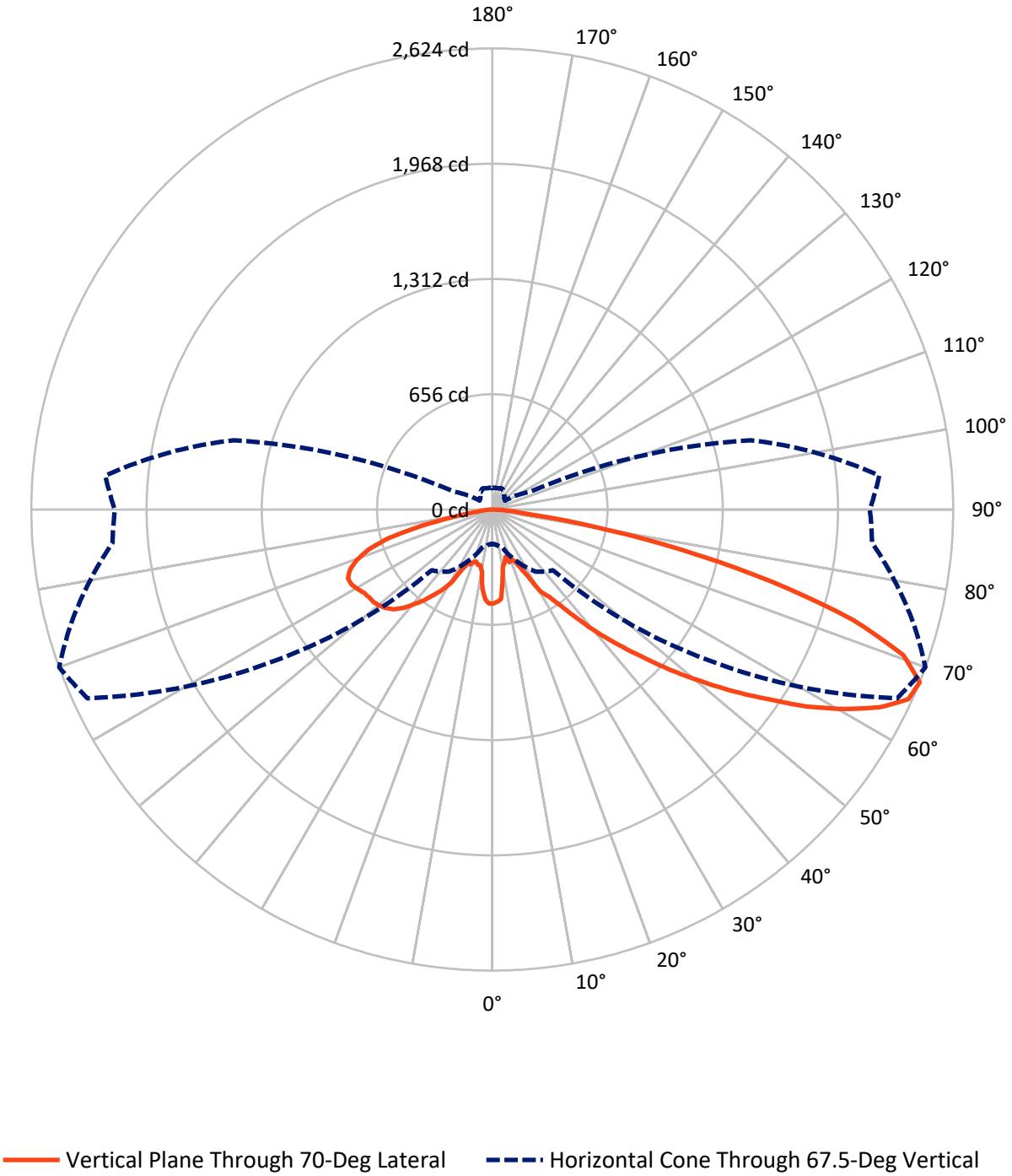
Luminous Intensity Polar Plot



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Scaled Data Report

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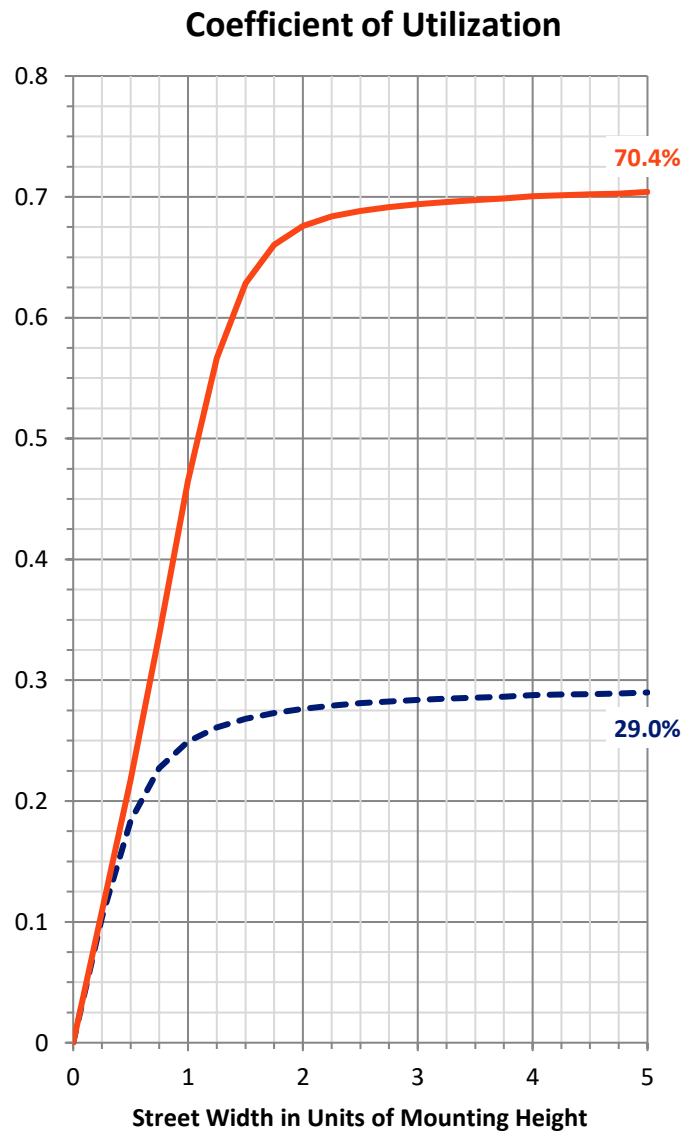
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1128.0	0.0	1128.0
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	2718.6	0.0	2718.6
	% Fixture	70.7	0.0	70.7
Total	Lumens	3846.6	0.0	3846.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	1.1
10°-20°	100.7	2.6
20°-30°	178.9	4.7
30°-40°	378.2	9.8
40°-50°	692.4	18.0
50°-60°	944.6	24.6
60°-70°	890.6	23.2
70°-80°	539.0	14.0
80°-90°	79.2	2.1
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°	3846.6	100.0
0°-180°	3846.6	100.0



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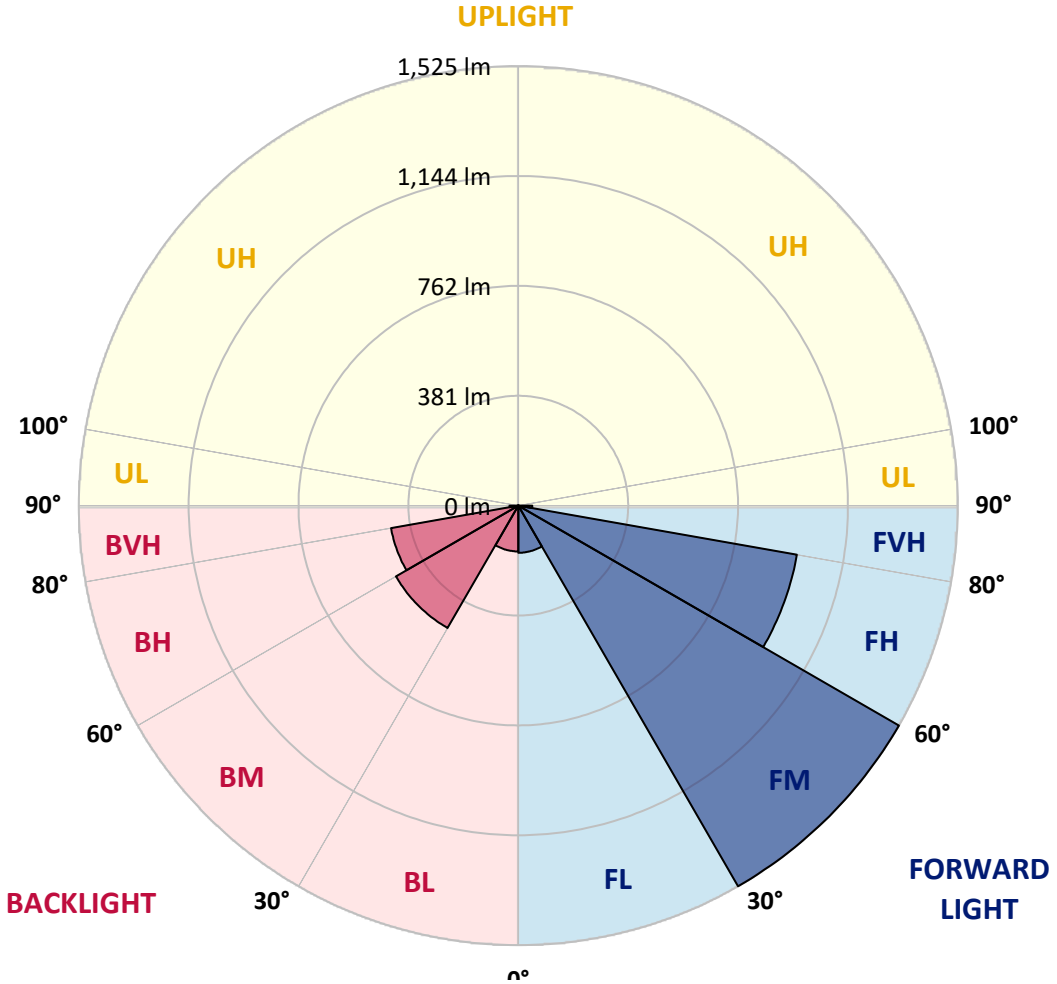
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	163.7	4.3			
FM	(30°-60°)	1525.0	39.6			
FH	(60°-80°)	981.4	25.5			G1/1800
FVH	(80°-90°)	48.5	1.3			G1/100
BL	(0°-30°)	158.9	4.1	B1/500		
BM	(30°-60°)	490.4	12.7	B1/1000		
BH	(60°-80°)	448.2	11.7	B1/500		G1/500
BVH	(80°-90°)	30.6	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-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	449.8	453.9	481.6	509.3	510.7	510.7	512.1	513.4	517.6	520.4	523.1
5°	419.3	422.1	422.1	422.1	423.5	424.9	426.3	426.3	429.0	430.4	433.2
7.5°	351.5	379.2	388.9	397.2	402.7	406.9	409.7	412.4	415.2	418.0	420.7
10°	400.0	400.0	401.3	401.3	401.3	400.0	372.3	343.2	357.1	370.9	350.1
12.5°	329.4	334.9	359.8	383.4	390.3	395.8	382.0	366.7	341.8	316.9	314.2
15°	391.7	391.7	391.7	390.3	365.4	339.1	312.8	285.1	301.7	318.3	293.4
17.5°	339.1	339.1	359.8	379.2	377.8	375.1	351.5	326.6	287.9	247.7	279.6
20°	427.6	426.3	419.3	411.0	359.8	308.6	319.7	330.8	333.5	334.9	325.2
22.5°	382.0	383.4	391.7	400.0	401.3	402.7	343.2	282.3	316.9	351.5	318.3
25°	531.4	528.7	516.2	502.4	445.6	387.5	398.6	409.7	352.9	294.8	330.8
27.5°	505.1	496.8	491.3	485.8	495.5	505.1	452.6	398.6	411.0	423.5	377.8
30°	722.4	722.4	708.6	693.4	607.6	520.4	506.5	492.7	459.5	424.9	433.2
32.5°	914.8	914.8	863.6	811.0	759.8	708.6	640.8	573.0	559.1	543.9	530.1
35°	1151.4	1144.5	1115.5	1085.0	974.3	863.6	776.4	689.2	661.5	633.9	620.0
37.5°	1372.9	1357.7	1317.5	1276.0	1159.8	1042.1	927.2	812.4	781.9	751.5	721.0
40°	1555.6	1547.3	1519.6	1490.5	1359.0	1227.6	1097.5	966.0	925.9	885.7	841.4
42.5°	1723.0	1716.1	1691.2	1664.9	1534.8	1403.3	1280.2	1155.6	1096.1	1036.6	984.0
45°	1846.2	1835.1	1818.5	1800.5	1696.7	1591.5	1467.0	1341.1	1317.5	1294.0	1191.6
47.5°	1884.9	1865.6	1862.8	1860.0	1777.0	1694.0	1594.3	1494.7	1498.8	1503.0	1384.0
50°	1828.2	1799.1	1811.6	1824.1	1790.8	1756.2	1678.7	1601.2	1635.8	1669.0	1574.9
52.5°	1622.0	1615.1	1646.9	1677.4	1685.7	1694.0	1677.4	1659.4	1723.0	1786.7	1752.1
55°	1338.3	1368.7	1413.0	1457.3	1491.9	1525.1	1573.6	1622.0	1731.3	1840.7	1865.6
57.5°	1054.6	1086.4	1137.6	1188.8	1229.0	1269.1	1368.7	1468.4	1633.1	1797.8	1909.9
60°	710.0	743.2	827.6	910.6	967.4	1024.1	1114.1	1204.0	1411.6	1619.2	1846.2
62.5°	473.3	462.2	532.8	602.0	693.4	784.7	824.8	863.6	1080.9	1296.8	1663.5
65°	290.6	292.0	319.7	346.0	447.0	546.7	578.5	608.9	732.1	855.3	1354.9
67.5°	*195.1*	*199.3*	*211.7*	*224.2*	*272.6*	*321.1*	*376.4*	*431.8*	*460.9*	*488.5*	*988.1*
70°	173.0	174.4	179.9	185.4	199.3	213.1	264.3	315.5	298.9	280.9	560.5
72.5°	152.2	153.6	163.3	171.6	178.5	185.4	215.9	246.3	227.0	207.6	279.6
75°	124.6	128.7	138.4	146.7	160.5	173.0	179.9	186.8	177.1	166.1	179.9
77.5°	102.4	105.2	112.1	119.0	132.9	145.3	152.2	159.2	143.9	128.7	137.0
80°	80.3	81.7	87.2	92.7	103.8	113.5	121.8	128.7	114.9	99.6	103.8
82.5°	48.4	49.8	58.1	65.0	74.7	83.0	88.6	92.7	96.9	99.6	87.2
85°	26.3	26.3	31.8	37.4	38.8	40.1	45.7	49.8	62.3	73.3	63.7
87.5°	4.2	4.2	5.5	5.5	8.3	9.7	11.1	11.1	12.5	12.5	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	535.6	535.6	535.6	*535.6*	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	524.5	525.9	525.9	*525.9*	527.3	528.7	530.1	530.1	531.4	532.8	534.2
5°	435.9	471.9	506.5	*512.1*	516.2	519.0	521.8	523.1	525.9	528.7	530.1
7.5°	423.5	423.5	423.5	*413.8*	449.8	453.9	458.1	460.9	463.6	460.9	456.7
10°	328.0	328.0	326.6	*329.4*	344.6	370.9	395.8	398.6	401.3	379.2	355.7
12.5°	310.0	314.2	318.3	*311.4*	283.7	307.2	330.8	334.9	336.3	316.9	296.2
15°	267.1	268.5	269.9	*279.6*	336.3	359.8	383.4	387.5	391.7	370.9	348.8
17.5°	310.0	300.3	289.2	*315.5*	293.4	308.6	322.5	289.2	319.7	314.2	308.6
20°	315.5	282.3	247.7	*294.8*	344.6	368.1	390.3	393.0	394.4	377.8	359.8
22.5°	285.1	316.9	348.8	*316.9*	297.6	294.8	292.0	290.6	292.0	301.7	310.0
25°	366.7	326.6	286.5	*359.8*	405.5	416.6	427.6	422.1	419.3	398.6	377.8
27.5°	332.1	364.0	394.4	*424.9*	438.7	453.9	467.8	471.9	449.8	427.6	405.5
30°	440.1	459.5	477.5	*539.7*	585.4	599.3	613.1	599.3	590.9	563.3	534.2
32.5°	514.8	553.6	592.3	*590.9*	633.9	644.9	654.6	636.6	621.4	590.9	559.1
35°	606.2	631.1	656.0	*669.8*	712.7	716.9	721.0	697.5	675.4	639.4	603.4
37.5°	690.6	722.4	752.9	*787.5*	824.8	816.5	806.8	777.8	741.8	714.1	686.4
40°	795.8	834.5	873.3	*917.6*	939.7	927.2	913.4	869.1	834.5	805.5	776.4
42.5°	930.0	971.5	1011.7	*1050.4*	1058.7	1044.9	1029.7	981.2	928.6	899.6	869.1
45°	1087.8	1121.0	1154.2	*1194.4*	1211.0	1186.0	1159.8	1098.9	1036.6	995.1	953.5
47.5°	1263.5	1278.8	1294.0	*1363.2*	1385.3	1343.8	1300.9	1234.5	1147.3	1093.3	1038.0
50°	1480.8	1476.7	1471.1	*1532.0*	1583.2	1514.0	1443.5	1366.0	1280.2	1204.0	1126.5
52.5°	1717.5	1677.4	1635.8	*1717.5*	1742.4	1659.4	1576.3	1493.3	1407.5	1309.2	1209.6
55°	1890.5	1868.3	1846.2	*1904.3*	1901.6	1804.7	1706.4	1608.2	1537.6	1406.1	1274.6
57.5°	2020.6	2039.9	2057.9	*2116.1*	2049.6	1938.9	1828.2	1729.9	1669.0	1504.4	1339.7
60°	2071.8	2171.4	2269.7	*2304.3*	2203.3	2078.7	1952.8	1855.9	1804.7	1605.4	1406.1
62.5°	2030.3	2250.3	2470.4	*2477.3*	2344.4	2204.6	2064.9	1986.0	1959.7	1714.7	1468.4
65°	1854.5	2217.1	2578.3	*2603.2*	2453.8	2307.1	2159.0	2100.8	2117.4	1817.1	1515.4
67.5°	*1486.4*	*2015.0*	*2542.3*	*2624.0*	*2480.0*	*2325.0*	*2170.0*	*2149.3*	*2211.6*	*1867.0*	*1522.3*
70°	840.1	1548.6	2255.8	*2482.8*	2406.7	2253.1	2098.1	2107.8	2200.5	1839.3	1478.1
72.5°	350.1	1071.2	1792.2	*2147.9*	2214.3	2084.2	1952.8	1988.7	2052.4	1709.2	1364.6
75°	193.8	683.7	1173.6	*1646.9*	1851.7	1817.1	1781.1	1821.3	1790.8	1458.7	1126.5
77.5°	143.9	369.5	595.1	*1103.0*	1393.6	1472.5	1550.0	1569.4	1399.2	1065.6	732.1
80°	107.9	175.8	242.2	*563.3*	747.3	888.5	1029.7	942.5	823.5	575.7	328.0
82.5°	74.7	101.0	127.3	*181.3*	290.6	334.9	377.8	359.8	269.9	189.6	107.9
85°	52.6	66.4	80.3	*99.6*	124.6	99.6	74.7	60.9	70.6	65.0	59.5
87.5°	13.8	13.8	12.5	*13.8*	9.7	8.3	6.9	5.5	5.5	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°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	535.6	537.0	537.0	537.0	537.0	535.6	528.7	521.8	505.1	488.5	483.0
5°	512.1	494.1	480.2	466.4	466.4	466.4	469.2	471.9	473.3	474.7	476.1
7.5°	456.7	455.3	460.9	466.4	470.5	474.7	477.5	480.2	474.7	469.2	456.7
10°	357.1	357.1	364.0	369.5	379.2	388.9	416.6	444.2	467.8	491.3	495.5
12.5°	323.8	350.1	334.9	318.3	352.9	387.5	418.0	447.0	470.5	492.7	474.7
15°	325.2	300.3	305.9	311.4	348.8	386.1	358.4	329.4	384.7	438.7	451.2
17.5°	310.0	311.4	336.3	361.2	323.8	285.1	333.5	382.0	402.7	422.1	404.1
20°	318.3	275.4	304.5	333.5	359.8	384.7	359.8	333.5	340.5	347.4	394.4
22.5°	336.3	362.6	337.7	312.8	343.2	372.3	359.8	347.4	369.5	390.3	370.9
25°	334.9	290.6	332.1	373.7	346.0	316.9	332.1	347.4	336.3	323.8	359.8
27.5°	386.1	366.7	355.7	343.2	358.4	373.7	341.8	310.0	310.0	310.0	305.9
30°	483.0	431.8	409.7	386.1	348.8	311.4	300.3	289.2	290.6	292.0	312.8
32.5°	539.7	520.4	453.9	387.5	352.9	318.3	289.2	260.2	263.0	265.7	292.0
35°	589.6	574.3	485.8	395.8	339.1	280.9	256.0	229.7	242.2	253.3	275.4
37.5°	646.3	604.8	484.4	362.6	301.7	240.8	225.6	210.4	218.7	225.6	239.4
40°	697.5	617.2	471.9	325.2	264.3	202.1	195.1	186.8	193.8	200.7	209.0
42.5°	752.9	635.2	453.9	271.3	222.8	174.4	171.6	168.8	175.8	182.7	188.2
45°	795.8	638.0	430.4	221.4	189.6	157.8	157.8	156.4	163.3	168.8	171.6
47.5°	823.5	607.6	393.0	177.1	163.3	149.5	150.9	150.9	156.4	160.5	161.9
50°	842.8	557.7	357.1	156.4	149.5	142.5	142.5	142.5	148.1	152.2	155.0
52.5°	856.7	502.4	323.8	143.9	141.2	137.0	137.0	135.6	142.5	149.5	150.9
55°	860.8	445.6	290.6	134.2	131.5	128.7	131.5	132.9	141.2	148.1	149.5
57.5°	870.5	401.3	263.0	124.6	123.2	121.8	125.9	130.1	138.4	146.7	146.7
60°	889.9	372.3	243.6	114.9	114.9	114.9	121.8	127.3	135.6	143.9	142.5
62.5°	907.9	346.0	225.6	105.2	106.6	107.9	116.3	124.6	132.9	141.2	139.8
65°	910.6	304.5	200.7	96.9	99.6	101.0	110.7	120.4	128.7	137.0	134.2
67.5°	*880.2*	*238.0*	*163.3*	*88.6*	*92.7*	*95.5*	*106.6*	*116.3*	*124.6*	*131.5*	*128.7*
70°	824.8	170.2	125.9	81.7	85.8	88.6	99.6	109.3	116.3	123.2	120.4
72.5°	743.2	121.8	98.3	74.7	77.5	80.3	90.0	99.6	107.9	114.9	112.1
75°	613.1	98.3	83.0	67.8	70.6	72.0	81.7	90.0	98.3	105.2	101.0
77.5°	406.9	80.3	70.6	60.9	62.3	63.7	72.0	78.9	85.8	91.3	88.6
80°	196.5	65.0	59.5	52.6	54.0	54.0	60.9	67.8	73.3	77.5	76.1
82.5°	80.3	51.2	47.1	42.9	42.9	42.9	49.8	55.4	60.9	65.0	62.3
85°	49.8	40.1	37.4	33.2	31.8	30.4	33.2	36.0	38.8	40.1	38.8
87.5°	6.9	6.9	8.3	9.7	8.3	5.5	8.3	11.1	11.1	9.7	8.3
90°	0.0	0.0	4.2	4.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	535.6	535.6	535.6	535.6
2.5°	477.5	477.5	477.5	480.2
5°	476.1	476.1	476.1	478.8
7.5°	444.2	430.4	416.6	418.0
10°	498.2	499.6	499.6	501.0
12.5°	455.3	433.2	411.0	413.8
15°	463.6	463.6	462.2	463.6
17.5°	386.1	379.2	372.3	372.3
20°	441.5	441.5	441.5	441.5
22.5°	351.5	350.1	348.8	350.1
25°	395.8	397.2	397.2	395.8
27.5°	301.7	319.7	336.3	337.7
30°	332.1	332.1	332.1	332.1
32.5°	318.3	332.1	346.0	347.4
35°	296.2	294.8	293.4	297.6
37.5°	251.9	249.1	246.3	246.3
40°	217.3	211.7	206.2	206.2
42.5°	192.4	188.2	182.7	181.3
45°	174.4	170.2	164.7	164.7
47.5°	161.9	159.2	156.4	155.0
50°	156.4	153.6	150.9	150.9
52.5°	152.2	150.9	148.1	148.1
55°	149.5	148.1	145.3	145.3
57.5°	146.7	145.3	142.5	142.5
60°	141.2	139.8	138.4	138.4
62.5°	137.0	135.6	134.2	134.2
65°	131.5	131.5	130.1	128.7
67.5°	*124.6*	*124.6*	*124.6*	*121.8*
70°	116.3	116.3	116.3	113.5
72.5°	107.9	107.9	106.6	102.4
75°	96.9	95.5	94.1	91.3
77.5°	85.8	83.0	80.3	78.9
80°	73.3	70.6	67.8	65.0
82.5°	58.1	56.7	54.0	47.1
85°	36.0	31.8	26.3	23.5
87.5°	6.9	5.5	4.2	1.4
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)