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: P560357

Luminaire Tested: **SDL-PA1-40-730-U-SL3**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560357
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-40-730-U-SL3
Description:	Springdale
	(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4491.9 lumens
Efficiency:	N/A
Efficacy:	114.0 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	39.4
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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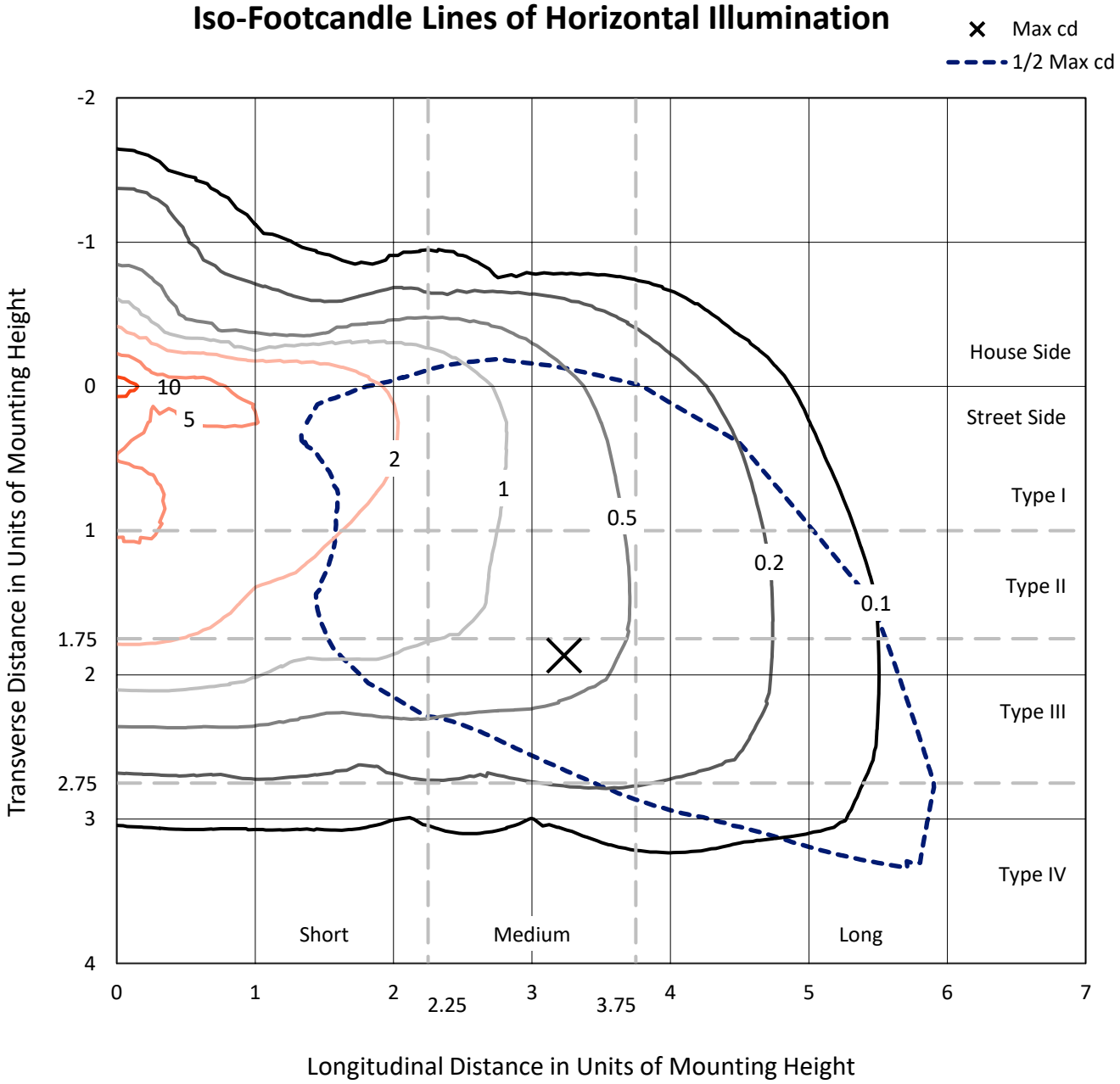
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
Type III - Medium - N/A

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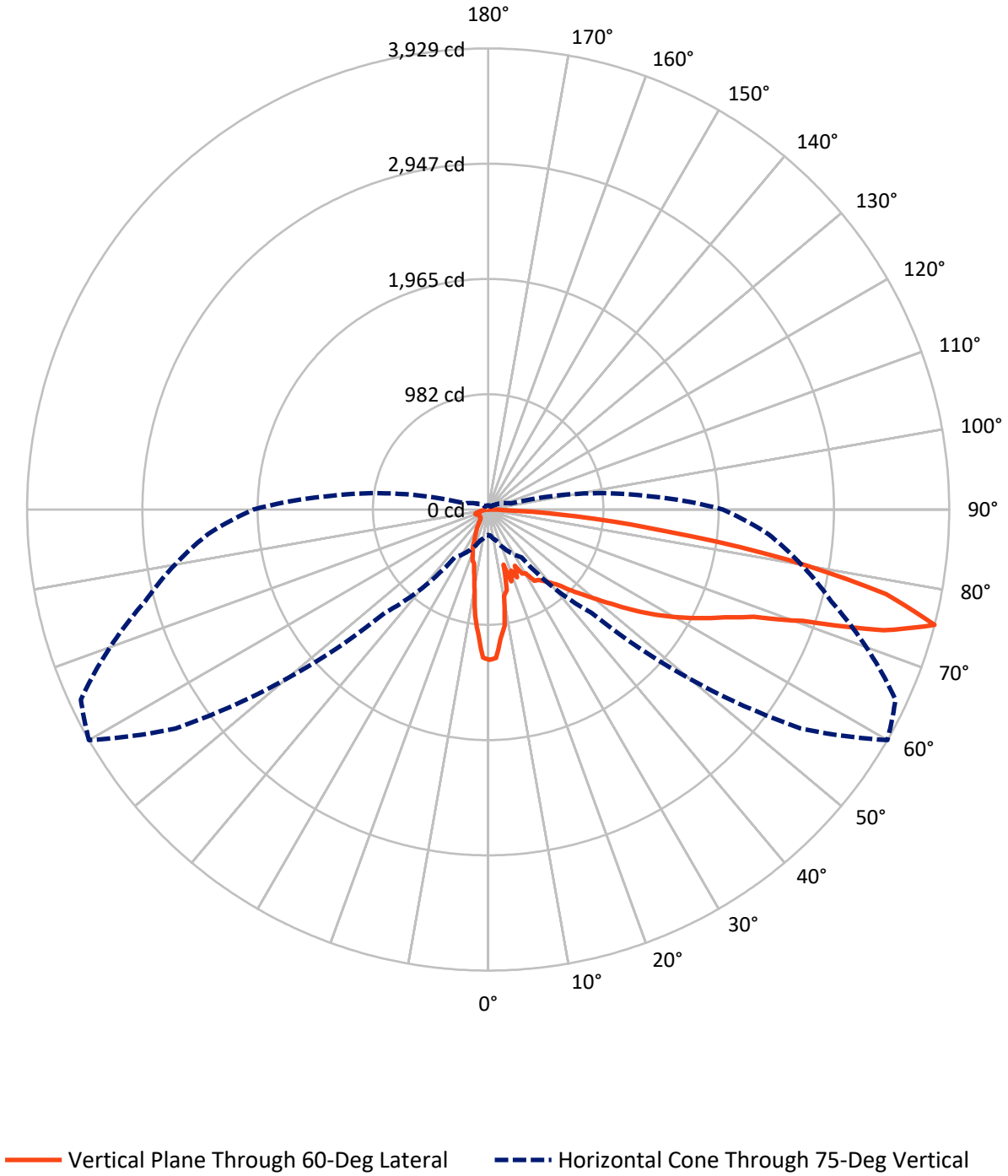
Luminous Intensity Polar Plot



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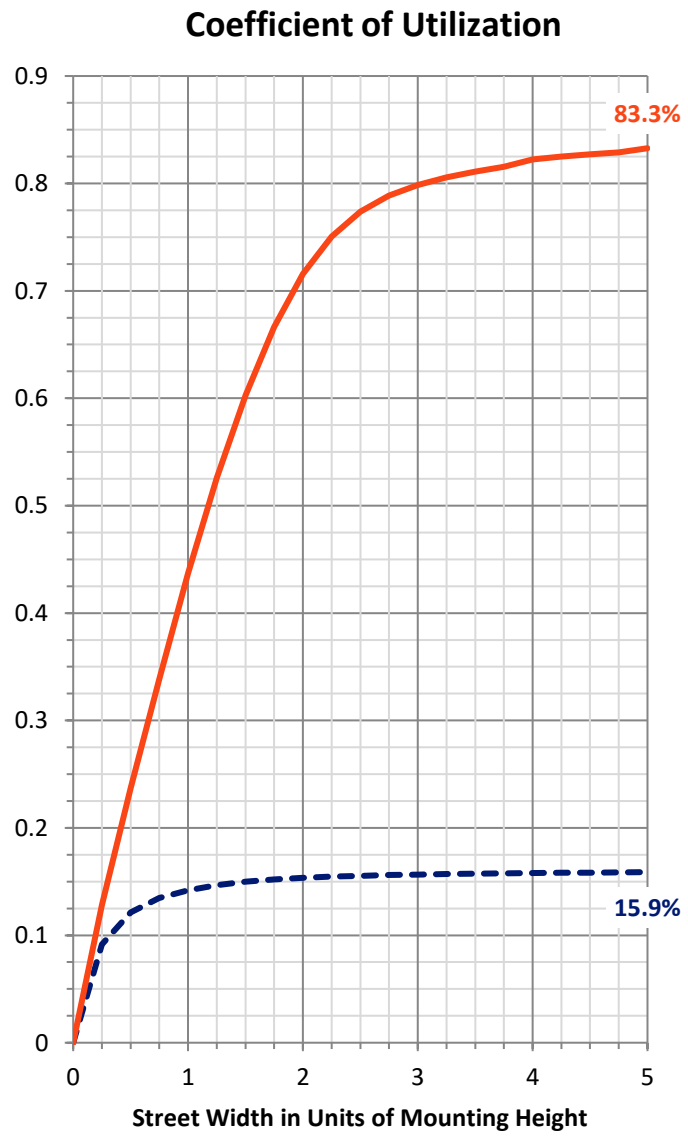
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.0	0.0	722.0
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	3769.9	0.0	3769.9
	% Fixture	83.9	0.0	83.9
Total	Lumens	4491.9	0.0	4491.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	2.1
10°-20°	168.6	3.8
20°-30°	220.9	4.9
30°-40°	364.5	8.1
40°-50°	569.3	12.7
50°-60°	866.7	19.3
60°-70°	1073.8	23.9
70°-80°	948.6	21.1
80°-90°	186.0	4.1
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°	4491.9	100.0
0°-180°	4491.9	100.0



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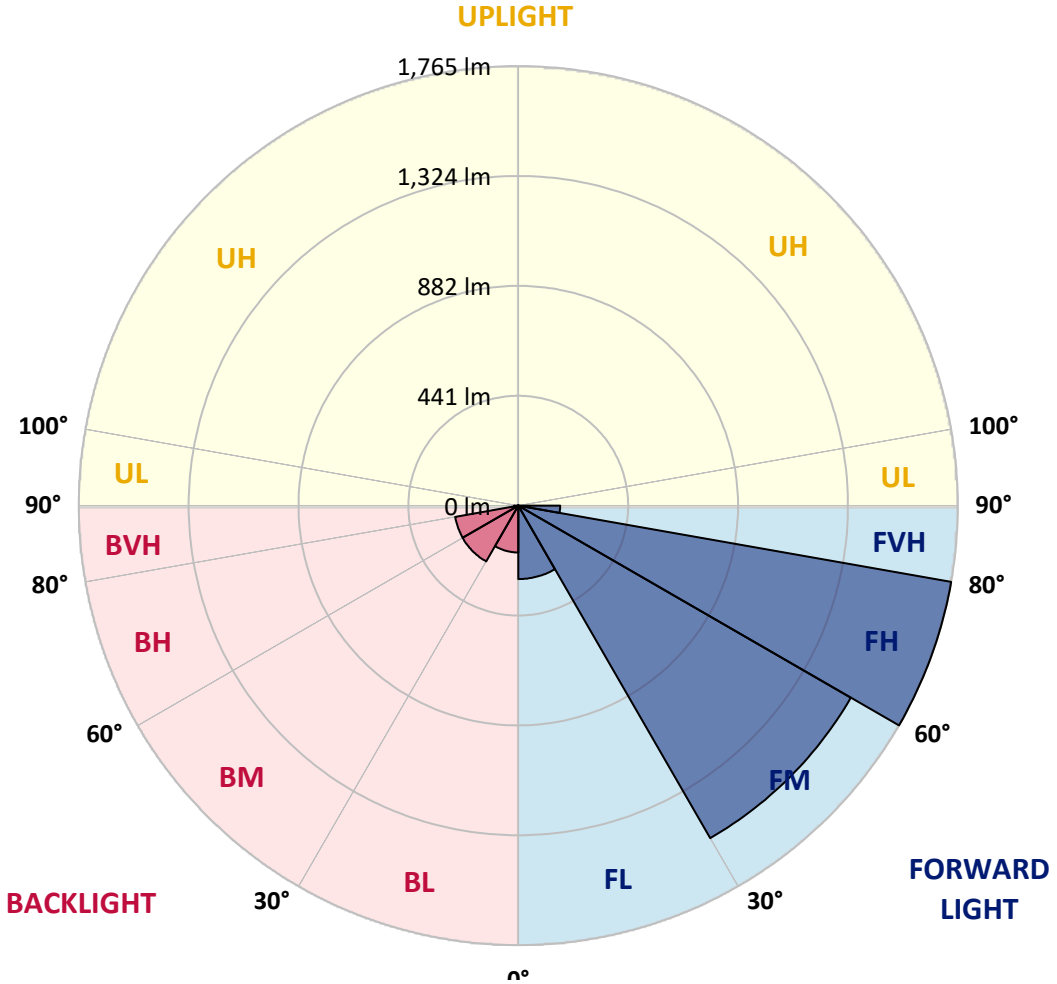
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	294.9	6.6			
FM	(30°-60°)	1541.7	34.3			
FH	(60°-80°)	1765.0	39.3			G1/1800
FVH	(80°-90°)	168.2	3.7			G2/225
BL	(0°-30°)	188.1	4.2	B1/500		
BM	(30°-60°)	258.7	5.8	B1/1000		
BH	(60°-80°)	257.5	5.7	B1/500		G1/500
BVH	(80°-90°)	17.7	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3
2.5°	1064.2	1184.2	1156.3	1128.3	1171.1	1212.2	1225.3	1236.9	1243.4	1250.0	1256.6
5°	988.5	990.1	991.8	993.4	998.4	1001.7	1008.2	1014.8	1021.4	1026.3	1032.9
7.5°	763.2	789.5	832.2	875.0	901.3	926.0	940.8	954.0	963.8	973.7	983.6
10°	848.7	853.6	855.3	855.3	863.5	871.7	809.2	745.1	776.3	807.6	773.0
12.5°	666.1	684.2	738.5	791.1	807.6	822.4	792.8	763.2	717.1	669.4	666.1
15°	764.8	769.7	771.4	771.4	720.4	669.4	634.9	598.7	626.7	653.0	592.1
17.5°	592.1	597.0	639.8	682.6	690.8	699.0	662.8	626.7	546.1	463.8	541.1
20°	704.0	707.2	707.2	707.2	621.7	536.2	542.8	547.7	574.0	600.3	579.0
22.5°	567.4	567.4	567.4	567.4	593.8	618.4	565.8	513.2	542.8	572.4	546.1
25°	713.8	718.8	707.2	694.1	615.1	536.2	560.9	585.5	541.1	496.7	536.2
27.5°	651.3	646.4	623.4	598.7	610.2	621.7	567.4	513.2	547.7	582.2	565.8
30°	865.1	850.3	825.7	801.0	707.2	613.5	598.7	583.9	554.3	523.0	557.6
32.5°	1149.7	1111.9	996.7	881.6	824.0	766.5	692.4	618.4	611.8	603.6	613.5
35°	1225.3	1200.7	1153.0	1103.6	1004.9	904.6	810.9	715.5	684.2	651.3	657.9
37.5°	1240.1	1231.9	1222.1	1210.5	1110.2	1009.9	907.9	805.9	773.0	738.5	713.8
40°	1251.7	1258.2	1276.3	1292.8	1192.4	1090.5	998.4	904.6	870.1	833.9	791.1
42.5°	1304.3	1322.4	1345.4	1366.8	1274.7	1182.6	1102.0	1021.4	977.0	932.6	893.1
45°	1426.0	1435.9	1460.5	1483.6	1396.4	1307.6	1215.5	1121.7	1083.9	1046.1	1006.6
47.5°	1603.6	1620.1	1618.4	1616.8	1519.8	1421.1	1317.4	1212.2	1187.5	1161.2	1123.4
50°	1827.3	1815.8	1784.6	1753.3	1648.0	1541.1	1419.4	1296.1	1284.6	1271.4	1240.1
52.5°	1939.2	1930.9	1888.2	1843.8	1736.9	1630.0	1498.4	1365.1	1379.9	1394.8	1365.1
55°	1945.7	1940.8	1909.6	1878.3	1774.7	1671.1	1554.3	1437.5	1473.7	1509.9	1498.4
57.5°	1898.0	1899.7	1889.8	1878.3	1786.2	1694.1	1597.1	1500.0	1562.5	1623.4	1634.9
60°	1776.3	1801.0	1817.5	1833.9	1776.3	1718.8	1634.9	1551.0	1646.4	1741.8	1773.0
62.5°	1551.0	1572.4	1631.6	1689.2	1700.7	1710.5	1654.6	1597.1	1725.3	1852.0	1903.0
65°	1202.3	1231.9	1320.7	1409.6	1501.7	1593.8	1606.9	1620.1	1837.2	2054.3	2097.1
67.5°	750.0	766.5	860.2	952.3	1138.2	1322.4	1427.6	1532.9	1907.9	2281.3	2348.7
70°	396.4	421.1	467.1	511.5	671.1	830.6	1044.4	1258.2	1801.0	2343.8	2620.1
72.5°	301.0	310.9	335.5	360.2	416.1	472.0	606.9	741.8	1409.6	2075.7	2712.2
75°	*217.1*	*225.3*	*251.6*	*276.3*	*332.2*	*386.5*	*442.4*	*496.7*	*870.1*	*1243.4*	*2248.4*
77.5°	126.6	129.9	143.1	154.6	241.8	329.0	389.8	449.0	539.5	628.3	1605.3
80°	87.2	88.8	93.8	98.7	136.5	174.3	291.1	407.9	449.0	488.5	1064.2
82.5°	57.6	65.8	69.1	72.4	85.5	98.7	171.1	241.8	355.3	467.1	727.0
85°	29.6	32.9	39.5	44.4	51.0	55.9	77.3	97.0	294.4	490.1	523.0
87.5°	3.3	4.9	6.6	6.6	8.2	9.9	14.8	19.7	88.8	157.9	134.9
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°	1281.3	*1281.3*	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3
2.5°	1263.2	*1266.5*	1264.8	1268.1	1269.7	1271.4	1273.0	1273.0	1271.4	1268.1	1264.8
5°	1039.5	*1105.3*	1217.1	1228.6	1240.1	1243.4	1246.7	1248.4	1245.1	1240.1	1235.2
7.5°	991.8	*1001.7*	901.3	981.9	1060.9	1067.4	1072.4	1069.1	1070.7	1026.3	980.3
10°	738.5	*746.7*	750.0	774.7	797.7	852.0	906.3	898.0	891.5	812.5	731.9
12.5°	662.8	*705.6*	715.5	674.3	633.2	689.2	745.1	738.5	727.0	654.6	582.2
15°	531.3	*486.8*	582.2	671.1	758.2	810.9	861.9	847.0	833.9	741.8	648.0
17.5°	616.8	*643.1*	611.8	625.0	638.2	677.6	715.5	692.4	684.2	620.1	554.3
20°	557.6	*555.9*	534.5	611.8	689.2	766.5	842.1	819.1	779.6	654.6	528.0
22.5°	519.7	*626.7*	672.7	662.8	651.3	621.7	590.5	570.7	541.1	513.2	483.6
25°	574.0	*529.6*	565.8	684.2	801.0	822.4	843.8	794.4	730.3	603.6	477.0
27.5°	549.3	*618.4*	664.5	743.4	820.7	894.7	968.8	903.0	819.1	661.2	501.6
30°	592.1	*629.9*	758.2	906.3	1054.3	1080.6	1105.3	1014.8	903.0	743.4	583.9
32.5°	623.4	*723.7*	837.2	952.3	1065.8	1085.5	1105.3	1003.3	875.0	699.0	523.0
35°	662.8	*736.8*	840.5	975.3	1110.2	1115.1	1118.4	1000.0	855.3	656.3	455.6
37.5°	689.2	*773.0*	884.9	1028.0	1171.1	1161.2	1149.7	1014.8	848.7	626.7	404.6
40°	748.4	*820.7*	940.8	1087.2	1233.6	1217.1	1200.7	1046.1	850.3	597.0	342.1
42.5°	852.0	*879.9*	1009.9	1166.1	1322.4	1304.3	1284.6	1100.3	870.1	580.6	289.5
45°	965.5	*978.6*	1090.5	1268.1	1445.7	1422.7	1399.7	1184.2	906.3	572.4	238.5
47.5°	1083.9	*1080.6*	1184.2	1399.7	1613.5	1564.2	1514.8	1282.9	973.7	588.8	203.9
50°	1207.2	*1202.3*	1302.6	1534.6	1766.5	1713.8	1661.2	1401.3	1051.0	618.4	184.2
52.5°	1333.9	*1345.4*	1419.4	1661.2	1901.3	1853.6	1804.3	1529.6	1126.7	651.3	176.0
55°	1485.2	*1521.4*	1551.0	1792.8	2034.6	1986.9	1937.5	1661.2	1231.9	702.3	172.7
57.5°	1644.8	*1692.5*	1705.6	1926.0	2146.4	2115.2	2082.3	1786.2	1338.8	761.5	182.6
60°	1804.3	*1866.8*	1914.5	2092.1	2268.1	2231.9	2195.7	1912.8	1439.2	827.3	215.5
62.5°	1952.3	*2039.5*	2116.8	2246.7	2375.0	2332.3	2289.5	2023.0	1552.6	917.8	281.3
65°	2138.2	*2215.5*	2299.4	2384.9	2468.8	2427.7	2386.5	2161.2	1704.0	1031.3	356.9
67.5°	2416.1	*2439.2*	2481.9	2534.6	2585.6	2560.9	2534.6	2330.6	1835.5	1097.1	356.9
70°	2894.8	*2843.8*	2779.6	2778.0	2774.7	2735.2	2694.1	2426.0	1843.8	1070.7	297.7
72.5°	3347.1	*3521.4*	3317.5	3169.4	3021.4	2847.1	2671.1	2297.7	1628.3	932.6	236.8
75°	*3251.7*	*3929.3*	*3830.6*	*3429.3*	*3028.0*	*2712.2*	*2396.4*	*2001.7*	*1340.5*	*771.4*	*202.3*
77.5°	2580.6	*3467.1*	3560.9	3192.5	2822.4	2394.8	1965.5	1547.7	929.3	549.3	169.4
80°	1638.2	*2592.1*	2608.6	2266.5	1922.7	1463.8	1004.9	674.3	447.4	291.1	134.9
82.5°	986.9	*1534.6*	1335.5	957.2	579.0	401.3	222.0	213.8	164.5	121.7	78.9
85°	555.9	*751.7*	539.5	353.6	167.8	120.1	70.7	75.7	72.4	59.2	44.4
87.5°	110.2	*129.9*	88.8	51.0	13.2	13.2	11.5	11.5	8.2	8.2	6.6
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°	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3	1281.3
2.5°	1264.8	1264.8	1261.5	1258.2	1256.6	1254.9	1205.6	1156.3	1123.4	1088.8	1080.6
5°	1174.4	1113.5	1067.4	1021.4	1011.5	1001.7	1000.0	998.4	993.4	986.9	985.2
7.5°	927.6	873.4	911.2	947.4	940.8	932.6	927.6	921.1	909.5	898.0	840.5
10°	713.8	695.7	695.7	694.1	680.9	667.8	697.4	727.0	759.9	792.8	789.5
12.5°	608.6	633.2	569.1	503.3	539.5	574.0	606.9	638.2	654.6	671.1	620.1
15°	574.0	498.4	477.0	455.6	472.0	488.5	440.8	391.5	429.3	467.1	475.3
17.5°	514.8	475.3	454.0	430.9	368.4	304.3	325.7	347.0	345.4	343.8	335.5
20°	480.3	430.9	393.1	353.6	324.0	294.4	263.2	230.3	215.5	199.0	238.5
22.5°	457.2	430.9	352.0	273.0	250.0	227.0	202.3	176.0	185.9	194.1	200.7
25°	399.7	320.7	276.3	231.9	195.7	157.9	159.5	161.2	153.0	144.7	182.6
27.5°	404.6	305.9	236.8	167.8	154.6	139.8	131.6	121.7	134.9	146.4	149.7
30°	424.3	264.8	200.7	136.5	121.7	106.9	111.8	115.1	115.1	115.1	131.6
32.5°	376.6	230.3	171.1	110.2	102.0	92.1	93.8	93.8	102.0	110.2	118.4
35°	319.1	180.9	139.8	97.0	88.8	80.6	83.9	87.2	95.4	103.6	115.1
37.5°	274.7	143.1	115.1	87.2	82.2	77.3	78.9	80.6	88.8	95.4	105.3
40°	231.9	120.1	102.0	83.9	78.9	74.0	75.7	75.7	82.2	88.8	95.4
42.5°	200.7	110.2	97.0	82.2	77.3	70.7	72.4	72.4	77.3	82.2	87.2
45°	172.7	105.3	93.8	80.6	75.7	69.1	69.1	67.4	72.4	75.7	78.9
47.5°	154.6	103.6	92.1	80.6	74.0	65.8	64.1	62.5	67.4	70.7	75.7
50°	144.7	103.6	92.1	78.9	70.7	62.5	60.9	59.2	65.8	70.7	78.9
52.5°	141.4	105.3	92.1	78.9	69.1	59.2	59.2	59.2	70.7	82.2	85.5
55°	141.4	108.6	93.8	77.3	67.4	57.6	60.9	64.1	67.4	70.7	70.7
57.5°	144.7	106.9	90.5	74.0	67.4	59.2	57.6	55.9	57.6	59.2	59.2
60°	159.5	103.6	87.2	70.7	62.5	54.3	52.6	51.0	54.3	55.9	55.9
62.5°	192.4	102.0	87.2	70.7	60.9	51.0	51.0	49.3	51.0	52.6	54.3
65°	235.2	113.5	92.1	70.7	60.9	51.0	47.7	44.4	47.7	49.3	49.3
67.5°	245.1	133.2	106.9	78.9	64.1	49.3	46.1	42.8	46.1	47.7	47.7
70°	222.0	146.4	115.1	83.9	67.4	49.3	46.1	41.1	42.8	44.4	42.8
72.5°	190.8	143.1	113.5	82.2	65.8	47.7	44.4	39.5	41.1	41.1	39.5
75°	*162.8*	*123.4*	*97.0*	*69.1*	*55.9*	*41.1*	*37.8*	*34.5*	*36.2*	*36.2*	*36.2*
77.5°	136.5	102.0	78.9	54.3	44.4	32.9	31.3	29.6	31.3	32.9	31.3
80°	106.9	77.3	59.2	39.5	32.9	24.7	26.3	26.3	28.0	28.0	28.0
82.5°	62.5	46.1	37.8	28.0	23.0	18.1	19.7	21.4	23.0	23.0	23.0
85°	37.8	29.6	24.7	19.7	16.4	11.5	14.8	16.4	16.4	16.4	14.8
87.5°	6.6	6.6	6.6	6.6	4.9	3.3	6.6	8.2	8.2	8.2	6.6
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):

	165°	170°	175°	180°
0°	1281.3	1281.3	1281.3	1281.3
2.5°	1070.7	1070.7	1069.1	1069.1
5°	983.6	980.3	977.0	980.3
7.5°	782.9	759.9	736.8	743.4
10°	784.5	782.9	781.3	779.6
12.5°	567.4	549.3	531.3	519.7
15°	481.9	477.0	470.4	470.4
17.5°	325.7	310.9	296.1	286.2
20°	278.0	286.2	292.8	296.1
22.5°	207.2	213.8	220.4	223.7
25°	218.8	235.2	250.0	251.6
27.5°	151.3	159.5	166.1	162.8
30°	148.0	153.0	157.9	157.9
32.5°	126.6	139.8	153.0	154.6
35°	126.6	133.2	139.8	141.4
37.5°	113.5	118.4	121.7	123.4
40°	102.0	105.3	106.9	106.9
42.5°	90.5	98.7	105.3	105.3
45°	80.6	102.0	123.4	129.9
47.5°	78.9	110.2	141.4	148.0
50°	85.5	115.1	143.1	146.4
52.5°	87.2	103.6	118.4	118.4
55°	69.1	77.3	83.9	82.2
57.5°	59.2	65.8	70.7	70.7
60°	55.9	64.1	70.7	72.4
62.5°	54.3	57.6	60.9	64.1
65°	49.3	49.3	49.3	49.3
67.5°	46.1	46.1	44.4	44.4
70°	41.1	41.1	41.1	41.1
72.5°	37.8	37.8	37.8	36.2
75°	*34.5*	*34.5*	*32.9*	*32.9*
77.5°	29.6	29.6	29.6	29.6
80°	26.3	26.3	24.7	24.7
82.5°	21.4	21.4	19.7	18.1
85°	13.2	13.2	11.5	9.9
87.5°	4.9	4.9	3.3	1.6
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)