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: P560532

Luminaire Tested: **SDL-PA1-50-730-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560532
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-50-730-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4892.6 lumens
Efficiency:	N/A
Efficacy:	93.4 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):	52.4
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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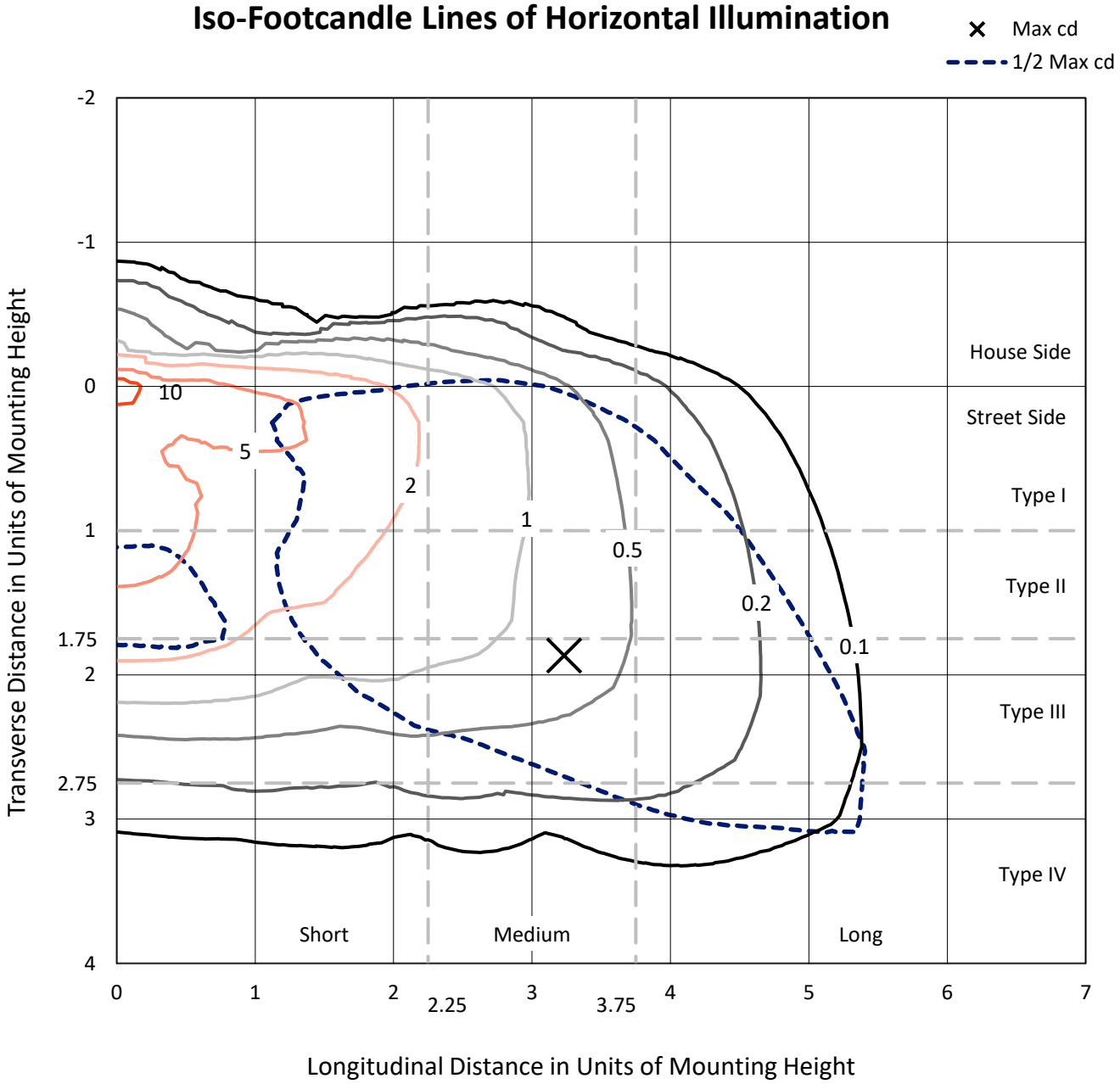
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
Type IV - Medium - N/A

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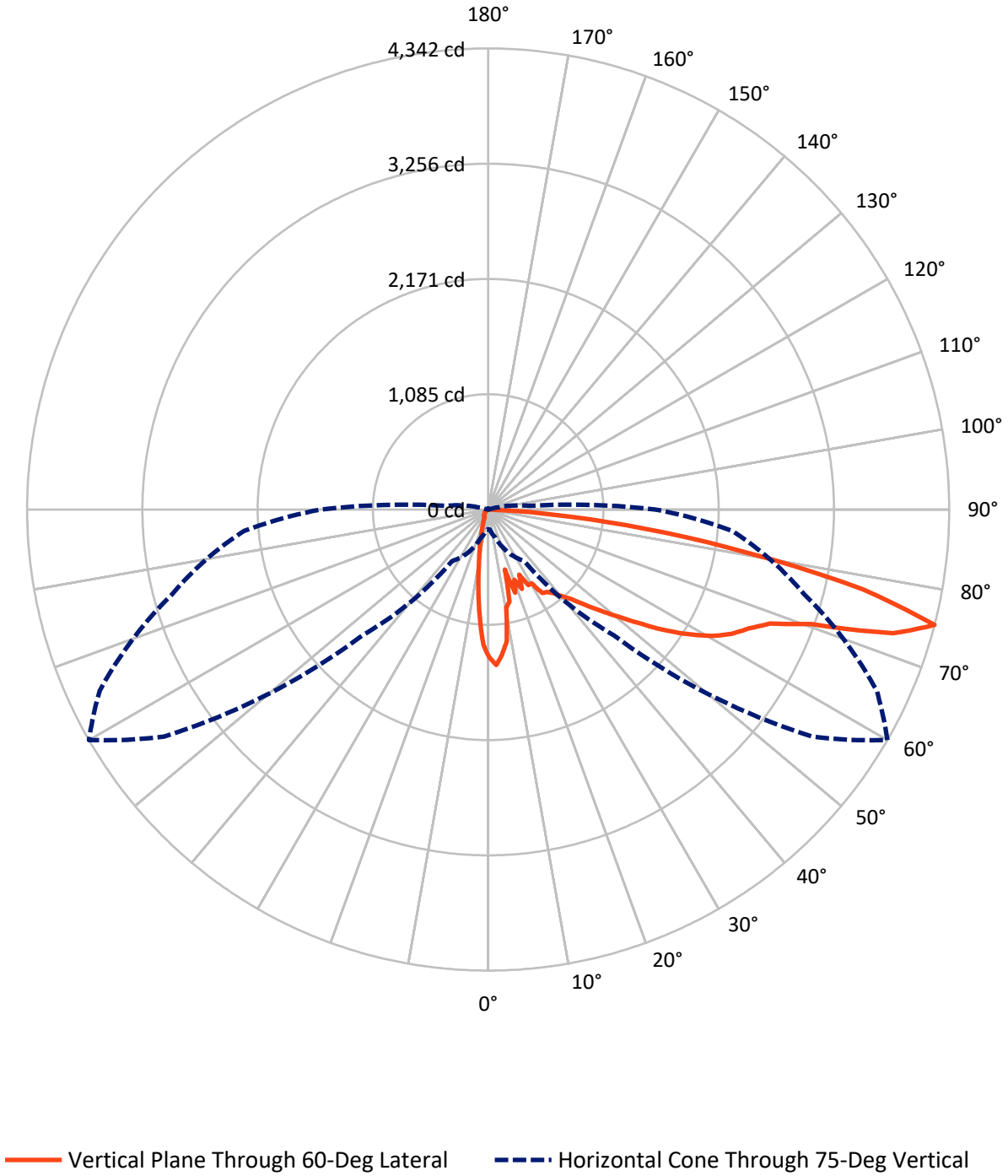
Luminous Intensity Polar Plot



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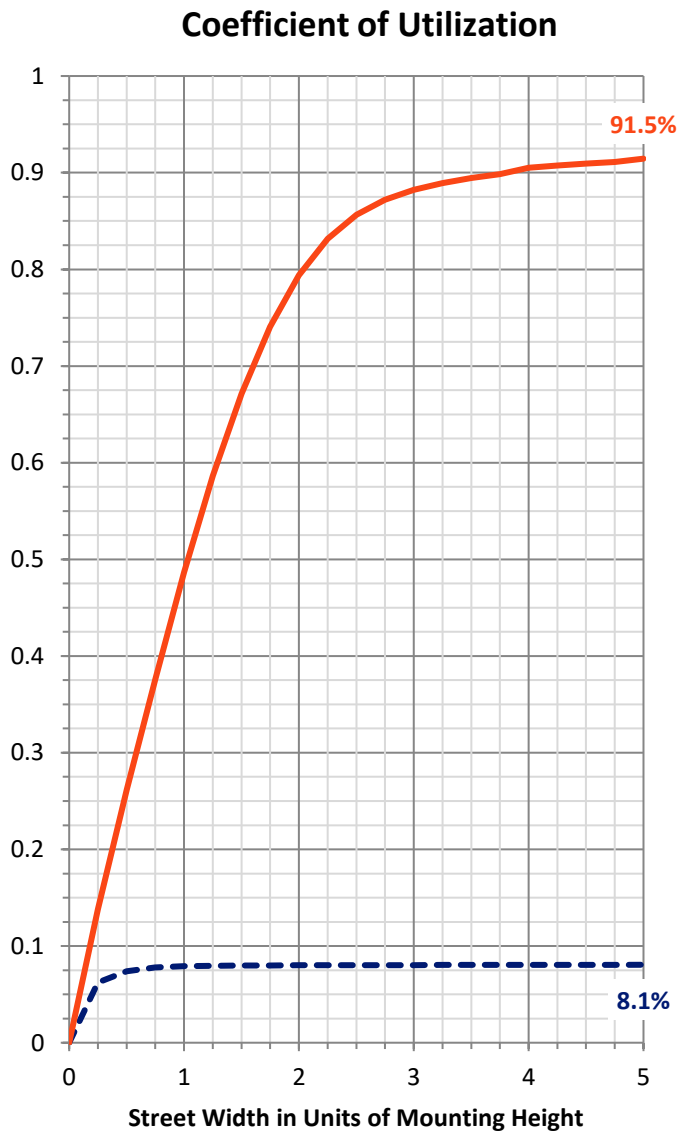
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.6	0.0	398.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4494.0	0.0	4494.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	4892.6	0.0	4892.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.4	2.0
10°-20°	160.1	3.3
20°-30°	229.3	4.7
30°-40°	408.3	8.3
40°-50°	672.1	13.7
50°-60°	1036.4	21.2
60°-70°	1207.8	24.7
70°-80°	936.0	19.1
80°-90°	146.2	3.0
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°	4892.6	100.0
0°-180°	4892.6	100.0



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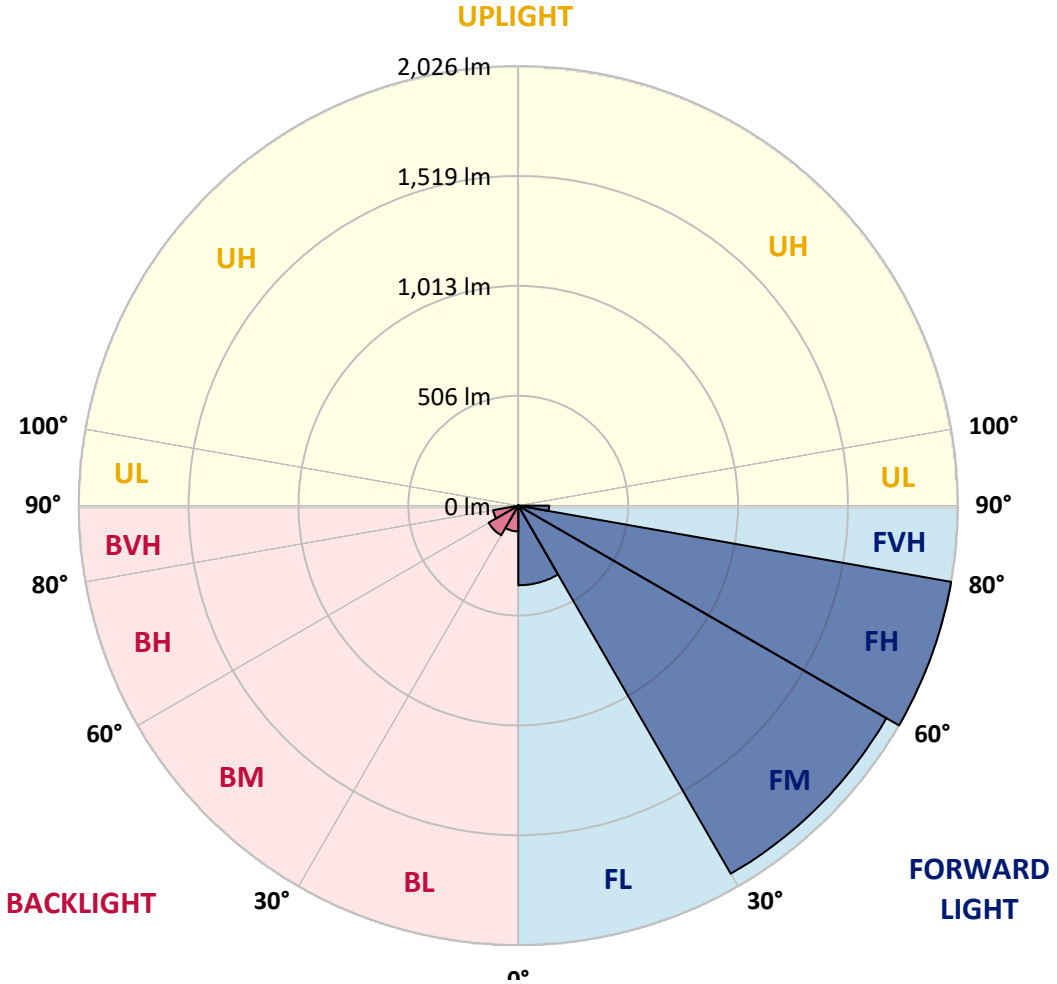
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	367.1	7.5			
FM	(30°-60°)	1959.0	40.0			
FH	(60°-80°)	2025.8	41.4			G2/5000
FVH	(80°-90°)	142.1	2.9			G2/225
BL	(0°-30°)	118.8	2.4	B1/500		
BM	(30°-60°)	157.8	3.2	B0/220		
BH	(60°-80°)	117.9	2.4	B1/500		G1/500
BVH	(80°-90°)	4.0	0.1			G0/10
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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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2
2.5°	1302.8	1351.7	1381.4	1409.1	1445.2	1481.3	1483.4	1485.6	1485.6	1485.6	1483.4
5°	1258.2	1262.4	1262.4	1262.4	1268.8	1275.2	1279.4	1281.5	1283.7	1283.7	1281.5
7.5°	984.0	1062.6	1111.5	1158.3	1171.0	1183.8	1200.8	1215.7	1228.4	1239.0	1247.5
10°	1090.3	1098.8	1098.8	1096.6	1107.3	1115.8	1032.9	947.9	981.9	1015.9	973.4
12.5°	841.6	884.1	937.2	988.3	1022.3	1056.3	1018.0	979.8	920.2	858.6	854.4
15°	984.0	990.4	992.5	994.6	937.2	877.7	807.6	735.3	784.2	833.1	763.0
17.5°	756.6	763.0	822.5	882.0	888.4	894.7	850.1	803.4	701.3	599.3	695.0
20°	905.4	909.6	909.6	909.6	797.0	684.3	692.8	699.2	731.1	763.0	739.6
22.5°	729.0	720.5	724.7	726.8	760.8	792.7	726.8	658.8	707.7	754.5	714.1
25°	911.7	913.9	901.1	886.2	786.4	684.3	720.5	754.5	697.1	637.6	695.0
27.5°	824.6	816.1	786.4	756.6	771.5	786.4	718.3	648.2	703.5	756.6	731.1
30°	1086.0	1081.8	1043.5	1003.1	884.1	763.0	750.2	735.3	703.5	669.5	714.1
32.5°	1449.4	1398.4	1256.0	1111.5	1037.1	960.6	867.1	773.6	784.2	792.7	799.1
35°	1530.2	1506.8	1445.2	1383.6	1268.8	1151.9	1024.4	894.7	865.0	835.2	852.2
37.5°	1551.4	1542.9	1534.4	1523.8	1387.8	1251.8	1124.3	994.6	971.2	945.7	926.6
40°	1572.7	1581.2	1606.7	1630.1	1502.6	1375.1	1256.0	1134.9	1107.3	1079.6	1030.8
42.5°	1657.7	1664.1	1702.3	1740.6	1617.3	1491.9	1387.8	1283.7	1243.3	1202.9	1158.3
45°	1838.4	1844.7	1866.0	1887.2	1772.5	1655.6	1540.8	1423.9	1392.1	1358.0	1307.0
47.5°	2089.1	2095.5	2084.9	2074.3	1942.5	1808.6	1672.6	1536.6	1525.9	1515.3	1462.2
50°	2376.1	2367.6	2310.2	2252.8	2108.3	1963.8	1804.4	1642.8	1651.3	1659.8	1621.6
52.5°	2507.8	2503.6	2437.7	2371.8	2223.0	2072.1	1906.4	1738.5	1768.2	1795.9	1774.6
55°	2499.3	2497.2	2452.6	2407.9	2267.7	2127.4	1972.3	1817.1	1885.1	1951.0	1938.2
57.5°	2405.8	2410.1	2403.7	2397.3	2274.0	2150.8	2025.4	1900.0	2002.0	2101.9	2118.9
60°	2259.2	2259.2	2291.0	2320.8	2248.5	2174.2	2070.0	1963.8	2104.0	2244.3	2286.8
62.5°	1953.1	1987.1	2055.1	2123.1	2146.5	2169.9	2084.9	1999.9	2193.3	2386.7	2448.3
65°	1504.7	1519.6	1642.8	1766.1	1880.9	1993.5	1999.9	2006.3	2301.7	2595.0	2616.2
67.5°	873.5	935.1	1071.1	1205.0	1430.3	1653.5	1768.2	1883.0	2348.4	2811.7	2835.1
70°	459.1	484.6	550.4	614.2	816.1	1015.9	1300.7	1583.3	2240.0	2894.6	3098.6
72.5°	314.5	337.9	374.0	410.2	486.7	561.1	765.1	967.0	1783.1	2599.2	3232.5
75°	*184.9*	*191.3*	*235.9*	*280.5*	*363.4*	*446.3*	*520.7*	*593.0*	*1134.9*	*1674.7*	*2701.2*
77.5°	74.4	80.8	99.9	119.0	235.9	350.7	427.2	503.7	633.3	763.0	1855.4
80°	40.4	40.4	48.9	55.3	106.3	155.1	286.9	418.7	482.4	546.2	1202.9
82.5°	23.4	23.4	29.8	34.0	53.1	72.3	163.6	255.0	376.2	495.2	811.9
85°	8.5	8.5	10.6	12.8	25.5	36.1	59.5	80.8	233.8	384.7	467.6
87.5°	2.1	2.1	4.3	4.3	6.4	8.5	10.6	10.6	8.5	6.4	42.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1394.2	*1394.2*	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2
2.5°	1479.2	*1466.4*	1457.9	1443.1	1428.2	1415.4	1400.6	1381.4	1366.6	1347.4	1328.3
5°	1279.4	*1368.7*	1460.1	1451.6	1440.9	1411.2	1381.4	1347.4	1315.5	1277.3	1239.0
7.5°	1253.9	*1251.8*	1164.6	1209.3	1251.8	1217.8	1183.8	1145.5	1103.0	1028.6	954.2
10°	930.9	*937.2*	935.1	945.7	956.4	984.0	1009.5	954.2	901.1	784.2	665.2
12.5°	850.1	*890.5*	901.1	828.9	756.6	786.4	816.1	760.8	707.7	599.3	490.9
15°	690.7	*586.6*	735.3	833.1	928.7	943.6	956.4	884.1	799.1	650.3	499.4
17.5°	788.5	*824.6*	782.1	784.2	784.2	786.4	788.5	722.6	637.6	524.9	412.3
20°	716.2	*705.6*	709.8	780.0	850.1	896.9	941.5	841.6	733.2	558.9	382.5
22.5°	673.7	*811.9*	871.4	841.6	811.9	737.5	661.0	584.5	495.2	408.1	318.8
25°	750.2	*678.0*	724.7	839.5	954.2	954.2	954.2	822.5	675.8	488.8	301.8
27.5°	705.6	*805.5*	852.2	943.6	1032.9	1071.1	1107.3	939.4	746.0	514.3	280.5
30°	758.7	*805.5*	971.2	1154.0	1336.8	1304.9	1270.9	1056.3	811.9	539.8	267.8
32.5°	805.5	*937.2*	1083.9	1222.0	1360.2	1324.0	1285.8	1047.8	773.6	486.7	199.8
35°	869.2	*954.2*	1090.3	1258.2	1426.1	1370.8	1313.4	1052.0	743.8	446.3	148.8
37.5°	907.5	*1001.0*	1147.6	1324.0	1498.3	1430.3	1362.3	1071.1	718.3	416.6	114.8
40°	979.8	*1073.3*	1219.9	1404.8	1589.7	1511.1	1430.3	1105.1	703.5	399.6	95.6
42.5°	1113.6	*1156.1*	1319.8	1515.3	1710.8	1628.0	1542.9	1177.4	699.2	391.1	82.9
45°	1253.9	*1281.5*	1426.1	1645.0	1861.7	1776.7	1689.6	1266.7	714.1	397.4	78.6
47.5°	1406.9	*1421.8*	1553.6	1825.6	2097.6	1980.8	1863.9	1389.9	746.0	410.2	74.4
50°	1583.3	*1583.3*	1710.8	2004.1	2297.4	2176.3	2055.1	1534.4	786.4	429.3	72.3
52.5°	1751.2	*1774.6*	1872.4	2172.0	2471.7	2359.1	2244.3	1693.8	839.5	454.8	68.0
55°	1923.4	*1997.8*	2033.9	2339.9	2646.0	2516.3	2386.7	1810.7	871.4	467.6	63.8
57.5°	2135.9	*2214.5*	2233.7	2492.9	2752.2	2626.8	2499.3	1910.6	894.7	478.2	61.6
60°	2329.3	*2418.6*	2456.8	2648.1	2837.2	2707.6	2578.0	1997.8	916.0	486.7	55.3
62.5°	2507.8	*2575.8*	2635.3	2758.6	2881.9	2760.7	2637.5	2074.3	928.7	488.8	48.9
65°	2637.5	*2699.1*	2784.1	2854.2	2924.4	2833.0	2741.6	2206.0	964.9	501.6	36.1
67.5°	2856.4	*2862.7*	2911.6	2969.0	3026.4	2977.5	2928.6	2388.8	1007.4	518.6	27.6
70°	3300.5	*3228.3*	3164.5	3221.9	3277.2	3209.2	3141.2	2441.9	909.6	465.4	21.3
72.5°	3865.9	*3987.0*	3678.8	3559.8	3438.7	3187.9	2935.0	2101.9	646.1	331.5	17.0
75°	*3727.7*	*4341.9*	*4038.0*	*3559.8*	*3081.6*	*2694.8*	*2305.9*	*1577.0*	*397.4*	*206.2*	*12.8*
77.5°	2945.6	*3604.5*	3496.1	3003.0	2507.8	2031.8	1555.7	969.1	140.3	76.5	12.8
80°	1859.6	*2492.9*	2399.4	1951.0	1500.4	1066.9	633.3	295.4	53.1	34.0	14.9
82.5°	1128.5	*1485.6*	1166.8	731.1	295.4	208.3	121.1	63.8	17.0	14.9	12.8
85°	548.3	*614.2*	401.7	231.7	59.5	55.3	48.9	31.9	8.5	8.5	6.4
87.5°	76.5	*55.3*	34.0	23.4	10.6	10.6	10.6	6.4	6.4	6.4	4.3
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°	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2	1394.2
2.5°	1313.4	1296.4	1277.3	1258.2	1236.9	1215.7	1154.0	1090.3	1056.3	1020.1	1011.6
5°	1168.9	1098.8	1011.6	922.4	884.1	845.9	826.7	805.5	792.7	777.9	765.1
7.5°	856.5	756.6	756.6	754.5	722.6	690.7	654.6	616.3	593.0	569.6	507.9
10°	612.1	556.8	518.6	480.3	465.4	450.6	403.8	354.9	359.2	361.3	348.5
12.5°	473.9	454.8	384.7	314.5	291.2	267.8	252.9	238.0	216.8	195.5	180.6
15°	405.9	312.4	259.3	206.2	182.8	157.3	136.0	112.6	106.3	97.8	108.4
17.5°	333.7	252.9	201.9	150.9	116.9	82.9	87.1	91.4	99.9	108.4	112.6
20°	286.9	191.3	146.6	102.0	91.4	80.8	85.0	87.1	85.0	80.8	93.5
22.5°	233.8	148.8	112.6	74.4	76.5	78.6	72.3	65.9	78.6	91.4	91.4
25°	199.8	97.8	87.1	76.5	70.1	63.8	72.3	78.6	74.4	70.1	80.8
27.5°	182.8	85.0	74.4	63.8	65.9	68.0	65.9	61.6	68.0	74.4	72.3
30°	174.3	78.6	72.3	63.8	61.6	57.4	59.5	59.5	57.4	55.3	61.6
32.5°	140.3	80.8	70.1	57.4	55.3	51.0	48.9	46.8	48.9	51.0	53.1
35°	112.6	74.4	65.9	55.3	51.0	46.8	44.6	40.4	40.4	40.4	42.5
37.5°	91.4	68.0	59.5	48.9	44.6	40.4	38.3	34.0	34.0	34.0	34.0
40°	80.8	63.8	55.3	44.6	40.4	34.0	31.9	27.6	27.6	25.5	25.5
42.5°	70.1	57.4	48.9	38.3	34.0	29.8	25.5	21.3	21.3	19.1	19.1
45°	65.9	53.1	44.6	36.1	29.8	23.4	21.3	17.0	17.0	14.9	14.9
47.5°	63.8	51.0	42.5	31.9	25.5	19.1	17.0	12.8	12.8	12.8	12.8
50°	59.5	46.8	38.3	27.6	23.4	17.0	14.9	10.6	10.6	10.6	10.6
52.5°	57.4	44.6	34.0	23.4	19.1	12.8	10.6	8.5	8.5	8.5	8.5
55°	55.3	46.8	34.0	21.3	17.0	10.6	8.5	6.4	6.4	6.4	6.4
57.5°	53.1	44.6	31.9	17.0	12.8	8.5	6.4	4.3	4.3	4.3	4.3
60°	46.8	38.3	25.5	12.8	10.6	6.4	4.3	2.1	4.3	4.3	4.3
62.5°	40.4	29.8	21.3	10.6	8.5	4.3	4.3	2.1	4.3	4.3	4.3
65°	29.8	23.4	17.0	8.5	6.4	2.1	2.1	2.1	4.3	4.3	4.3
67.5°	23.4	17.0	12.8	6.4	4.3	2.1	2.1	2.1	4.3	4.3	4.3
70°	17.0	12.8	8.5	4.3	4.3	2.1	2.1	2.1	4.3	4.3	4.3
72.5°	12.8	8.5	6.4	4.3	4.3	2.1	4.3	4.3	4.3	4.3	4.3
75°	*10.6*	*8.5*	*6.4*	*4.3*	*4.3*	*2.1*	*4.3*	*4.3*	*6.4*	*6.4*	*6.4*
77.5°	10.6	6.4	6.4	4.3	4.3	2.1	4.3	6.4	6.4	6.4	6.4
80°	10.6	6.4	6.4	4.3	4.3	2.1	4.3	6.4	6.4	6.4	6.4
82.5°	10.6	6.4	6.4	4.3	4.3	2.1	4.3	6.4	6.4	6.4	6.4
85°	6.4	6.4	6.4	6.4	4.3	2.1	6.4	8.5	8.5	6.4	6.4
87.5°	4.3	4.3	6.4	6.4	4.3	2.1	6.4	8.5	8.5	6.4	6.4
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°	1394.2	1394.2	1394.2	1394.2
2.5°	1001.0	990.4	977.6	1003.1
5°	752.3	743.8	735.3	750.2
7.5°	446.3	448.4	448.4	425.1
10°	333.7	314.5	293.3	293.3
12.5°	165.8	153.0	140.3	138.1
15°	119.0	121.1	123.3	123.3
17.5°	116.9	112.6	106.3	102.0
20°	104.1	108.4	110.5	110.5
22.5°	91.4	89.3	85.0	85.0
25°	91.4	93.5	95.6	95.6
27.5°	70.1	70.1	68.0	68.0
30°	68.0	68.0	68.0	68.0
32.5°	53.1	55.3	55.3	55.3
35°	44.6	44.6	44.6	44.6
37.5°	34.0	34.0	34.0	31.9
40°	25.5	25.5	25.5	25.5
42.5°	19.1	19.1	19.1	19.1
45°	14.9	14.9	14.9	14.9
47.5°	12.8	12.8	10.6	10.6
50°	8.5	8.5	8.5	8.5
52.5°	6.4	6.4	6.4	6.4
55°	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3
60°	2.1	2.1	2.1	2.1
62.5°	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1
72.5°	4.3	4.3	2.1	2.1
75°	*4.3*	*4.3*	*2.1*	*2.1*
77.5°	4.3	4.3	2.1	2.1
80°	4.3	4.3	2.1	2.1
82.5°	4.3	4.3	2.1	2.1
85°	4.3	4.3	4.3	2.1
87.5°	4.3	4.3	4.3	2.1
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)