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: P561302

Luminaire Tested: **SDL-PA1-90-760-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561302
	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-PA1-90-760-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 1180mA 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:	8538 lumens
Efficiency:	N/A
Efficacy:	92.4 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 - G3

Input Watts (W):	92.4
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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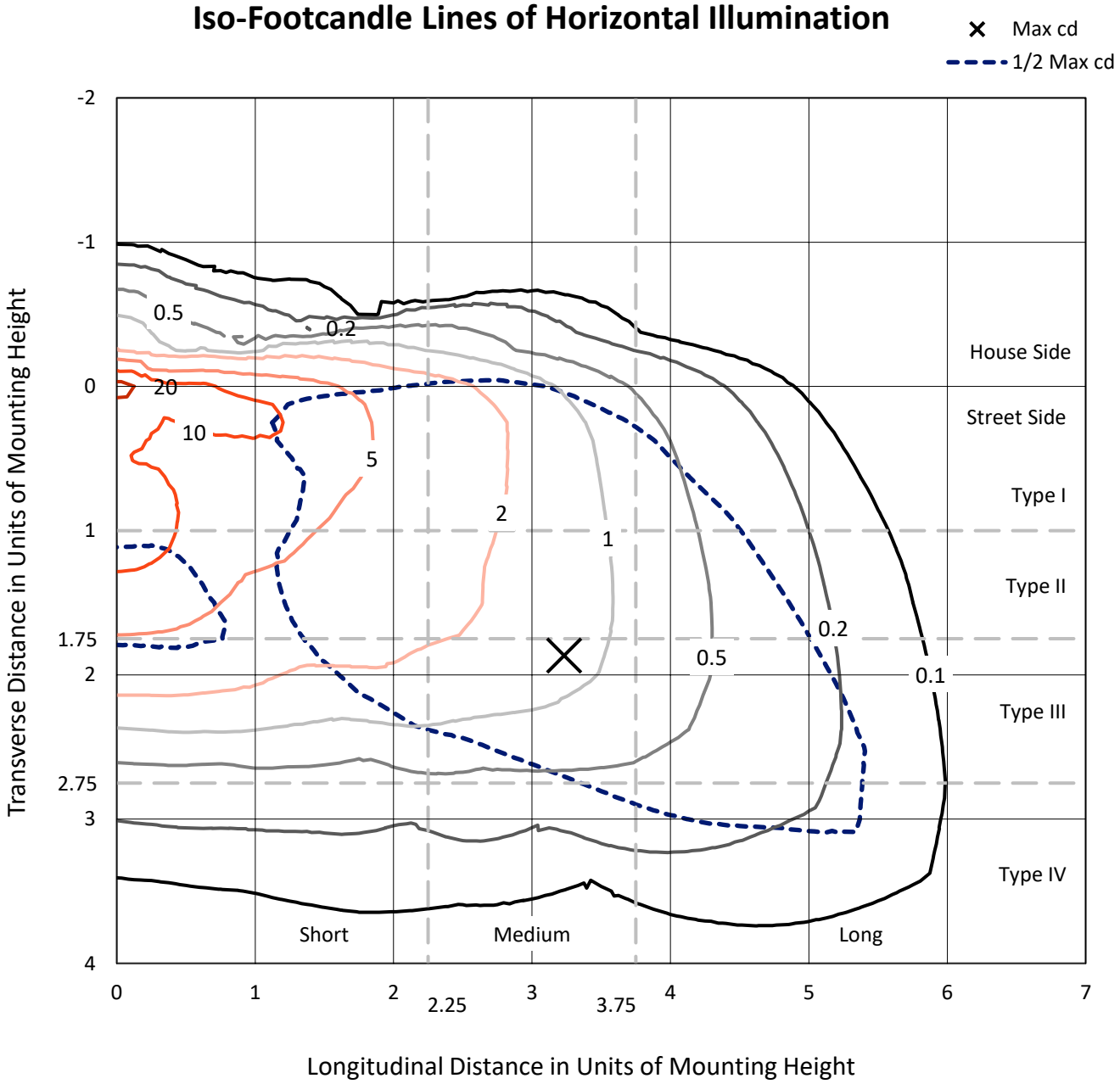
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 24.3 fc
Type IV - Medium - N/A

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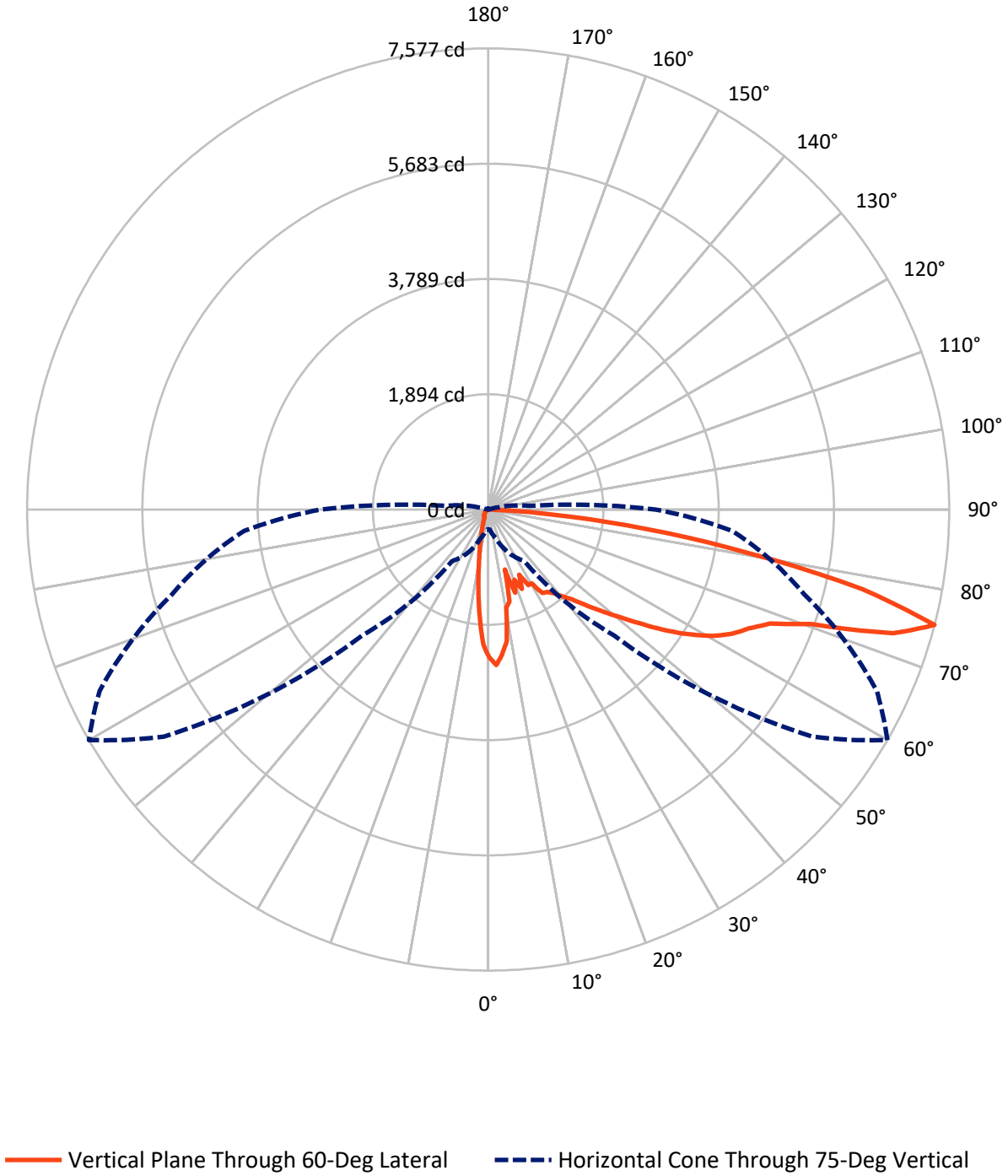
Luminous Intensity Polar Plot



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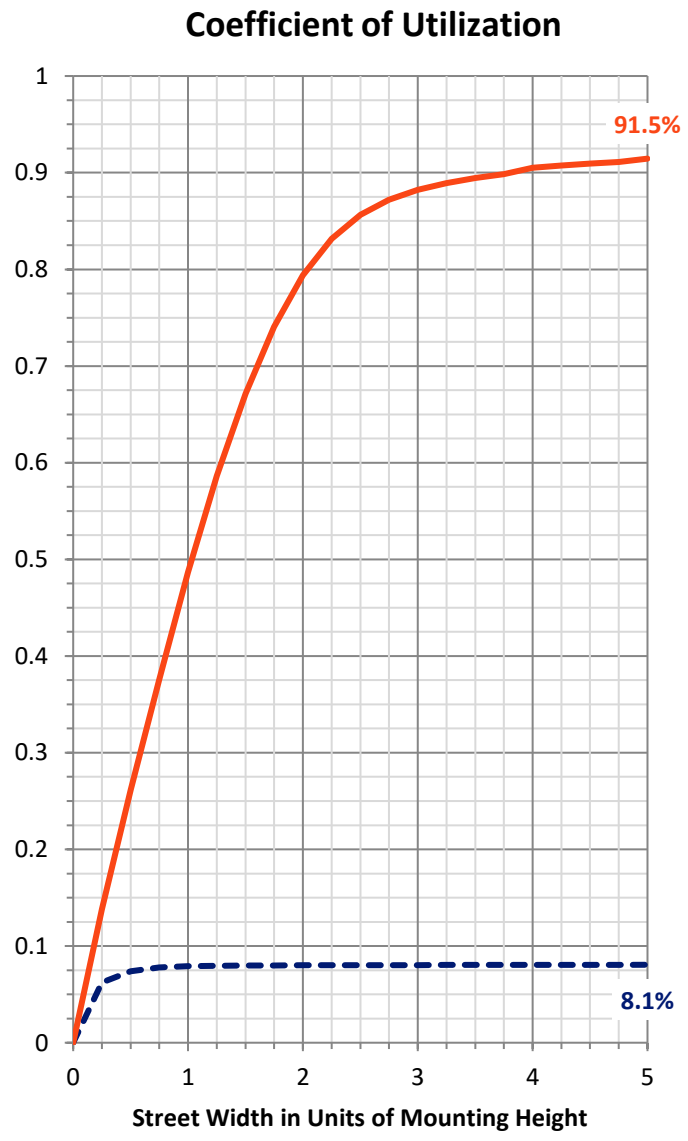
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	695.5	0.0	695.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	7842.5	0.0	7842.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	8538.0	0.0	8538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	2.0
10°-20°	279.3	3.3
20°-30°	400.2	4.7
30°-40°	712.6	8.3
40°-50°	1172.9	13.7
50°-60°	1808.5	21.2
60°-70°	2107.7	24.7
70°-80°	1633.4	19.1
80°-90°	255.0	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°	8538.0	100.0
0°-180°	8538.0	100.0



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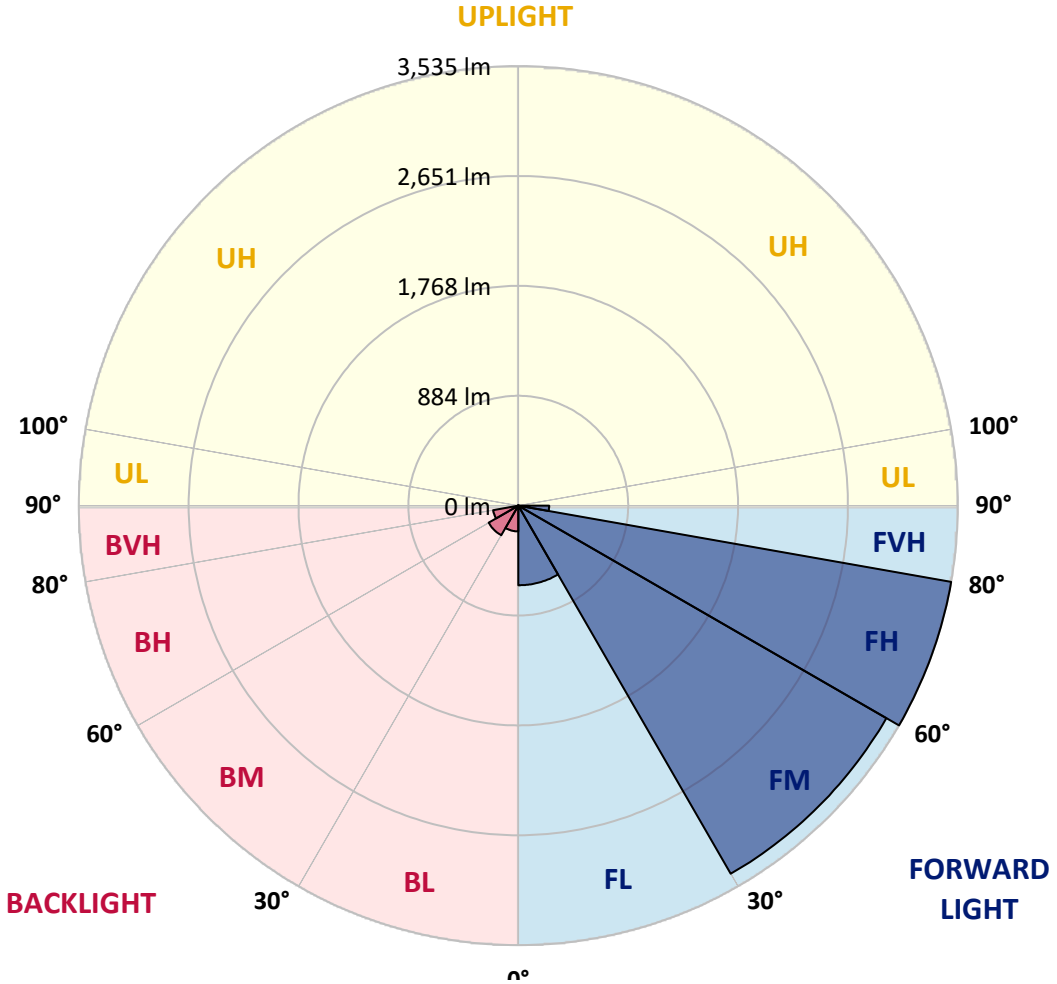
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	640.5	7.5			
FM	(30°-60°)	3418.6	40.0			
FH	(60°-80°)	3535.3	41.4			G2/5000
FVH	(80°-90°)	248.0	2.9			G3/500
BL	(0°-30°)	207.3	2.4	B1/500		
BM	(30°-60°)	275.4	3.2	B1/1000		
BH	(60°-80°)	205.8	2.4	B1/500		G1/500
BVH	(80°-90°)	7.0	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-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0
2.5°	2273.5	2358.8	2410.7	2458.9	2522.0	2585.0	2588.8	2592.5	2592.5	2592.5	2588.8
5°	2195.6	2203.0	2203.0	2203.0	2214.2	2225.3	2232.7	2236.4	2240.1	2240.1	2236.4
7.5°	1717.2	1854.4	1939.7	2021.3	2043.6	2065.8	2095.5	2121.4	2143.7	2162.2	2177.1
10°	1902.6	1917.5	1917.5	1913.7	1932.3	1947.1	1802.5	1654.1	1713.5	1772.8	1698.6
12.5°	1468.7	1542.9	1635.6	1724.6	1783.9	1843.3	1776.5	1709.8	1605.9	1498.4	1490.9
15°	1717.2	1728.3	1732.0	1735.7	1635.6	1531.7	1409.4	1283.3	1368.6	1453.9	1331.5
17.5°	1320.3	1331.5	1435.3	1539.2	1550.3	1561.4	1483.5	1401.9	1223.9	1045.9	1212.8
20°	1580.0	1587.4	1587.4	1587.4	1390.8	1194.2	1209.1	1220.2	1275.8	1331.5	1290.7
22.5°	1272.1	1257.3	1264.7	1268.4	1327.8	1383.4	1268.4	1149.7	1235.0	1316.6	1246.2
25°	1591.1	1594.8	1572.5	1546.6	1372.3	1194.2	1257.3	1316.6	1216.5	1112.6	1212.8
27.5°	1439.0	1424.2	1372.3	1320.3	1346.3	1372.3	1253.6	1131.2	1227.6	1320.3	1275.8
30°	1895.2	1887.8	1821.0	1750.6	1542.9	1331.5	1309.2	1283.3	1227.6	1168.3	1246.2
32.5°	2529.4	2440.4	2191.9	1939.7	1809.9	1676.4	1513.2	1350.0	1368.6	1383.4	1394.5
35°	2670.3	2629.6	2522.0	2414.4	2214.2	2010.2	1787.6	1561.4	1509.5	1457.6	1487.2
37.5°	2707.4	2692.6	2677.8	2659.2	2421.9	2184.5	1962.0	1735.7	1694.9	1650.4	1617.0
40°	2744.5	2759.4	2803.9	2844.7	2622.1	2399.6	2191.9	1980.5	1932.3	1884.1	1798.8
42.5°	2892.9	2904.0	2970.8	3037.5	2822.4	2603.6	2421.9	2240.1	2169.7	2099.2	2021.3
45°	3208.1	3219.3	3256.3	3293.4	3093.2	2889.2	2688.9	2484.9	2429.3	2369.9	2280.9
47.5°	3645.8	3656.9	3638.3	3619.8	3389.9	3156.2	2918.8	2681.5	2662.9	2644.4	2551.7
50°	4146.5	4131.6	4031.5	3931.3	3679.1	3426.9	3148.8	2866.9	2881.8	2896.6	2829.8
52.5°	4376.4	4369.0	4254.0	4139.0	3879.4	3616.1	3326.8	3033.8	3085.7	3133.9	3096.9
55°	4361.6	4357.9	4280.0	4202.1	3957.3	3712.5	3441.8	3171.0	3289.7	3404.7	3382.4
57.5°	4198.4	4205.8	4194.7	4183.5	3968.4	3753.3	3534.5	3315.7	3493.7	3668.0	3697.7
60°	3942.5	3942.5	3998.1	4050.0	3923.9	3794.1	3612.4	3426.9	3671.7	3916.5	3990.7
62.5°	3408.4	3467.7	3586.4	3705.1	3745.9	3786.7	3638.3	3490.0	3827.5	4165.0	4272.6
65°	2625.8	2651.8	2866.9	3082.0	3282.3	3478.9	3490.0	3501.1	4016.6	4528.5	4565.6
67.5°	1524.3	1631.9	1869.2	2102.9	2496.0	2885.5	3085.7	3286.0	4098.2	4906.8	4947.6
70°	801.1	845.6	960.6	1071.8	1424.2	1772.8	2269.8	2763.1	3909.1	5051.4	5407.5
72.5°	548.9	589.7	652.8	715.8	849.3	979.1	1335.2	1687.5	3111.7	4535.9	5641.1
75°	*322.7*	*333.8*	*411.7*	*489.6*	*634.2*	*778.9*	*908.7*	*1034.8*	*1980.5*	*2922.5*	*4713.9*
77.5°	129.8	140.9	174.3	207.7	411.7	612.0	745.5	879.0	1105.2	1331.5	3237.8
80°	70.5	70.5	85.3	96.4	185.4	270.7	500.7	730.6	841.9	953.2	2099.2
82.5°	40.8	40.8	51.9	59.3	92.7	126.1	285.6	445.1	656.5	864.2	1416.8
85°	14.8	14.8	18.5	22.3	44.5	63.0	103.8	140.9	408.0	671.3	815.9
87.5°	3.7	3.7	7.4	7.4	11.1	14.8	18.5	18.5	14.8	11.1	74.2
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°	2433.0	*2433.0*	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0
2.5°	2581.3	*2559.1*	2544.2	2518.3	2492.3	2470.1	2444.1	2410.7	2384.8	2351.4	2318.0
5°	2232.7	*2388.5*	2548.0	2533.1	2514.6	2462.7	2410.7	2351.4	2295.8	2229.0	2162.2
7.5°	2188.2	*2184.5*	2032.4	2110.3	2184.5	2125.2	2065.8	1999.1	1924.9	1795.1	1665.3
10°	1624.5	*1635.6*	1631.9	1650.4	1669.0	1717.2	1761.7	1665.3	1572.5	1368.6	1160.9
12.5°	1483.5	*1554.0*	1572.5	1446.4	1320.3	1372.3	1424.2	1327.8	1235.0	1045.9	856.7
15°	1205.4	*1023.6*	1283.3	1453.9	1620.8	1646.7	1669.0	1542.9	1394.5	1134.9	871.6
17.5°	1376.0	*1439.0*	1364.8	1368.6	1368.6	1372.3	1376.0	1261.0	1112.6	916.1	719.5
20°	1249.9	*1231.3*	1238.7	1361.1	1483.5	1565.1	1643.0	1468.7	1279.5	975.4	667.6
22.5°	1175.7	*1416.8*	1520.6	1468.7	1416.8	1287.0	1153.4	1019.9	864.2	712.1	556.3
25°	1309.2	*1183.1*	1264.7	1465.0	1665.3	1665.3	1665.3	1435.3	1179.4	853.0	526.7
27.5°	1231.3	*1405.6*	1487.2	1646.7	1802.5	1869.2	1932.3	1639.3	1301.8	897.5	489.6
30°	1324.0	*1405.6*	1694.9	2013.9	2332.8	2277.2	2217.9	1843.3	1416.8	942.0	467.3
32.5°	1405.6	*1635.6*	1891.5	2132.6	2373.6	2310.6	2243.8	1828.4	1350.0	849.3	348.6
35°	1516.9	*1665.3*	1902.6	2195.6	2488.6	2392.2	2292.0	1835.9	1298.1	778.9	259.6
37.5°	1583.7	*1746.9*	2002.8	2310.6	2614.7	2496.0	2377.4	1869.2	1253.6	726.9	200.3
40°	1709.8	*1873.0*	2128.9	2451.5	2774.2	2637.0	2496.0	1928.6	1227.6	697.3	166.9
42.5°	1943.4	*2017.6*	2303.2	2644.4	2985.6	2841.0	2692.6	2054.7	1220.2	682.4	144.6
45°	2188.2	*2236.4*	2488.6	2870.6	3248.9	3100.6	2948.5	2210.5	1246.2	693.5	137.2
47.5°	2455.2	*2481.2*	2711.1	3185.9	3660.6	3456.6	3252.6	2425.6	1301.8	715.8	129.8
50°	2763.1	*2763.1*	2985.6	3497.4	4009.2	3797.8	3586.4	2677.8	1372.3	749.2	126.1
52.5°	3056.1	*3096.9*	3267.5	3790.4	4313.4	4116.8	3916.5	2955.9	1465.0	793.7	118.7
55°	3356.5	*3486.3*	3549.3	4083.4	4617.5	4391.2	4165.0	3159.9	1520.6	815.9	111.3
57.5°	3727.4	*3864.6*	3898.0	4350.4	4802.9	4584.1	4361.6	3334.2	1561.4	834.5	107.6
60°	4064.9	*4220.6*	4287.4	4621.2	4951.3	4725.0	4498.8	3486.3	1598.5	849.3	96.4
62.5°	4376.4	*4495.1*	4598.9	4814.0	5029.2	4817.8	4602.6	3619.8	1620.8	853.0	85.3
65°	4602.6	*4710.2*	4858.5	4980.9	5103.3	4943.9	4784.4	3849.8	1683.8	875.3	63.0
67.5°	4984.6	*4995.8*	5081.1	5181.2	5281.4	5196.1	5110.7	4168.7	1758.0	905.0	48.2
70°	5759.8	*5633.7*	5522.4	5622.6	5719.0	5600.3	5481.6	4261.4	1587.4	812.2	37.1
72.5°	6746.3	*6957.7*	6420.0	6212.3	6000.9	5563.2	5121.9	3668.0	1127.5	578.6	29.7
75°	*6505.3*	*7577.1*	*7046.8*	*6212.3*	*5377.8*	*4702.8*	*4024.1*	*2751.9*	*693.5*	*359.8*	*22.3*
77.5°	5140.4	*6290.2*	6101.0	5240.6	4376.4	3545.6	2714.9	1691.2	244.8	133.5	22.3
80°	3245.2	*4350.4*	4187.3	3404.7	2618.4	1861.8	1105.2	515.5	92.7	59.3	26.0
82.5°	1969.4	*2592.5*	2036.1	1275.8	515.5	363.5	211.4	111.3	29.7	26.0	22.3
85°	956.9	*1071.8*	701.0	404.3	103.8	96.4	85.3	55.6	14.8	14.8	11.1
87.5°	133.5	*96.4*	59.3	40.8	18.5	18.5	18.5	11.1	11.1	11.1	7.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0	2433.0
2.5°	2292.0	2262.4	2229.0	2195.6	2158.5	2121.4	2013.9	1902.6	1843.3	1780.2	1765.4
5°	2039.8	1917.5	1765.4	1609.6	1542.9	1476.1	1442.7	1405.6	1383.4	1357.4	1335.2
7.5°	1494.7	1320.3	1320.3	1316.6	1261.0	1205.4	1142.3	1075.6	1034.8	994.0	886.4
10°	1068.1	971.7	905.0	838.2	812.2	786.3	704.7	619.4	626.8	630.5	608.2
12.5°	827.1	793.7	671.3	548.9	508.1	467.3	441.3	415.4	378.3	341.2	315.2
15°	708.4	545.2	452.5	359.8	319.0	274.5	237.4	196.6	185.4	170.6	189.1
17.5°	582.3	441.3	352.3	263.3	204.0	144.6	152.1	159.5	174.3	189.1	196.6
20°	500.7	333.8	255.9	178.0	159.5	140.9	148.4	152.1	148.4	140.9	163.2
22.5°	408.0	259.6	196.6	129.8	133.5	137.2	126.1	115.0	137.2	159.5	159.5
25°	348.6	170.6	152.1	133.5	122.4	111.3	126.1	137.2	129.8	122.4	140.9
27.5°	319.0	148.4	129.8	111.3	115.0	118.7	115.0	107.6	118.7	129.8	126.1
30°	304.1	137.2	126.1	111.3	107.6	100.1	103.8	103.8	100.1	96.4	107.6
32.5°	244.8	140.9	122.4	100.1	96.4	89.0	85.3	81.6	85.3	89.0	92.7
35°	196.6	129.8	115.0	96.4	89.0	81.6	77.9	70.5	70.5	70.5	74.2
37.5°	159.5	118.7	103.8	85.3	77.9	70.5	66.8	59.3	59.3	59.3	59.3
40°	140.9	111.3	96.4	77.9	70.5	59.3	55.6	48.2	48.2	44.5	44.5
42.5°	122.4	100.1	85.3	66.8	59.3	51.9	44.5	37.1	37.1	33.4	33.4
45°	115.0	92.7	77.9	63.0	51.9	40.8	37.1	29.7	29.7	26.0	26.0
47.5°	111.3	89.0	74.2	55.6	44.5	33.4	29.7	22.3	22.3	22.3	22.3
50°	103.8	81.6	66.8	48.2	40.8	29.7	26.0	18.5	18.5	18.5	18.5
52.5°	100.1	77.9	59.3	40.8	33.4	22.3	18.5	14.8	14.8	14.8	14.8
55°	96.4	81.6	59.3	37.1	29.7	18.5	14.8	11.1	11.1	11.1	11.1
57.5°	92.7	77.9	55.6	29.7	22.3	14.8	11.1	7.4	7.4	7.4	7.4
60°	81.6	66.8	44.5	22.3	18.5	11.1	7.4	3.7	7.4	7.4	7.4
62.5°	70.5	51.9	37.1	18.5	14.8	7.4	7.4	3.7	7.4	7.4	7.4
65°	51.9	40.8	29.7	14.8	11.1	3.7	3.7	3.7	7.4	7.4	7.4
67.5°	40.8	29.7	22.3	11.1	7.4	3.7	3.7	3.7	7.4	7.4	7.4
70°	29.7	22.3	14.8	7.4	7.4	3.7	3.7	3.7	7.4	7.4	7.4
72.5°	22.3	14.8	11.1	7.4	7.4	3.7	7.4	7.4	7.4	7.4	7.4
75°	*18.5*	*14.8*	*11.1*	*7.4*	*7.4*	*3.7*	*7.4*	*7.4*	*11.1*	*11.1*	*11.1*
77.5°	18.5	11.1	11.1	7.4	7.4	3.7	7.4	11.1	11.1	11.1	11.1
80°	18.5	11.1	11.1	7.4	7.4	3.7	7.4	11.1	11.1	11.1	11.1
82.5°	18.5	11.1	11.1	7.4	7.4	3.7	7.4	11.1	11.1	11.1	11.1
85°	11.1	11.1	11.1	11.1	7.4	3.7	11.1	14.8	14.8	11.1	11.1
87.5°	7.4	7.4	11.1	11.1	7.4	3.7	11.1	14.8	14.8	11.1	11.1
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°	2433.0	2433.0	2433.0	2433.0
2.5°	1746.9	1728.3	1706.1	1750.6
5°	1312.9	1298.1	1283.3	1309.2
7.5°	778.9	782.6	782.6	741.8
10°	582.3	548.9	511.8	511.8
12.5°	289.3	267.0	244.8	241.1
15°	207.7	211.4	215.1	215.1
17.5°	204.0	196.6	185.4	178.0
20°	181.7	189.1	192.9	192.9
22.5°	159.5	155.8	148.4	148.4
25°	159.5	163.2	166.9	166.9
27.5°	122.4	122.4	118.7	118.7
30°	118.7	118.7	118.7	118.7
32.5°	92.7	96.4	96.4	96.4
35°	77.9	77.9	77.9	77.9
37.5°	59.3	59.3	59.3	55.6
40°	44.5	44.5	44.5	44.5
42.5°	33.4	33.4	33.4	33.4
45°	26.0	26.0	26.0	26.0
47.5°	22.3	22.3	18.5	18.5
50°	14.8	14.8	14.8	14.8
52.5°	11.1	11.1	11.1	11.1
55°	7.4	7.4	7.4	7.4
57.5°	7.4	7.4	7.4	7.4
60°	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.7	3.7
72.5°	7.4	7.4	3.7	3.7
75°	*7.4*	*7.4*	*3.7*	*3.7*
77.5°	7.4	7.4	3.7	3.7
80°	7.4	7.4	3.7	3.7
82.5°	7.4	7.4	3.7	3.7
85°	7.4	7.4	7.4	3.7
87.5°	7.4	7.4	7.4	3.7
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)