

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: P559814

Luminaire Tested: **SDL-PA1-100-727-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6235.2 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 93.8
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

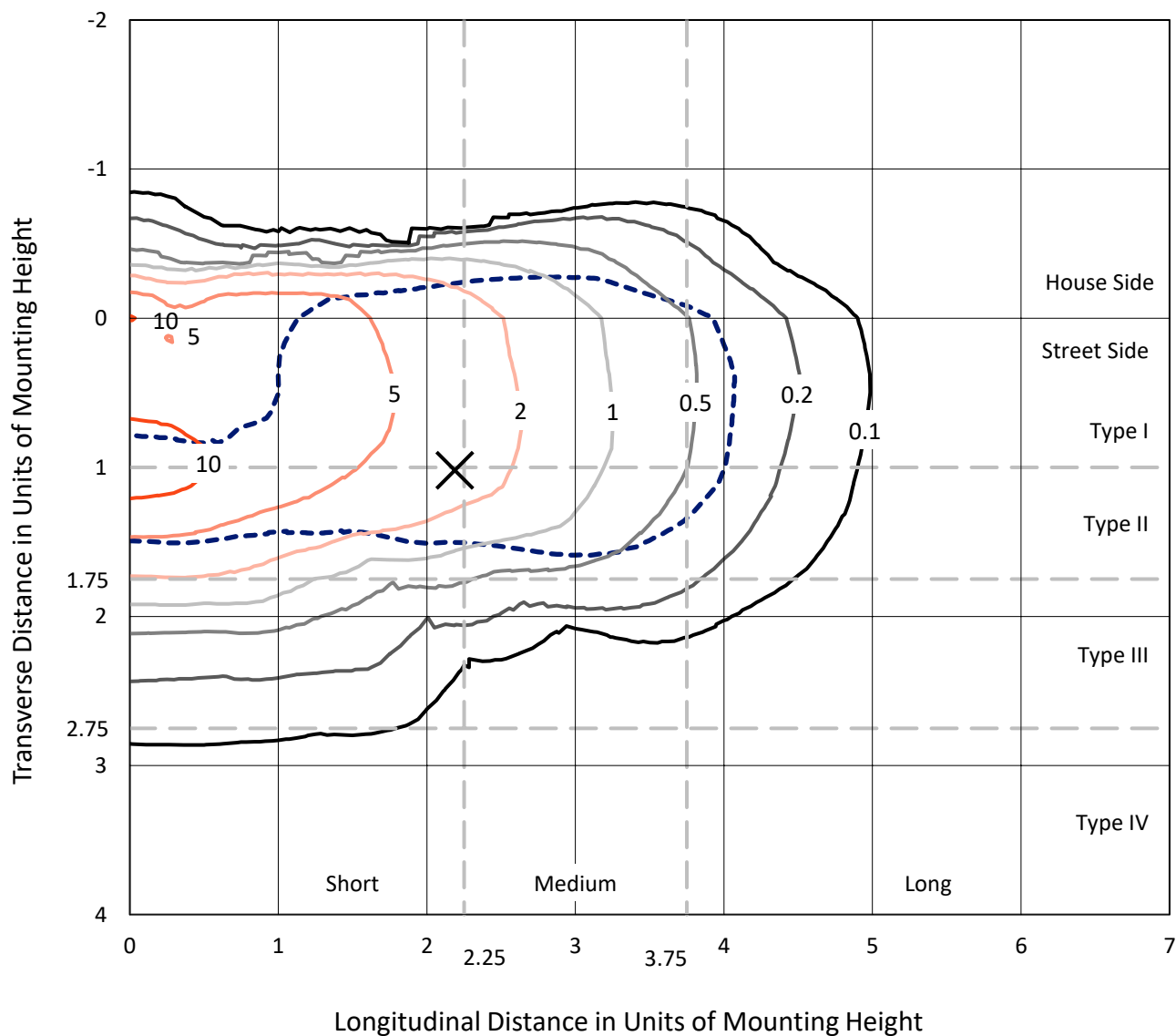


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

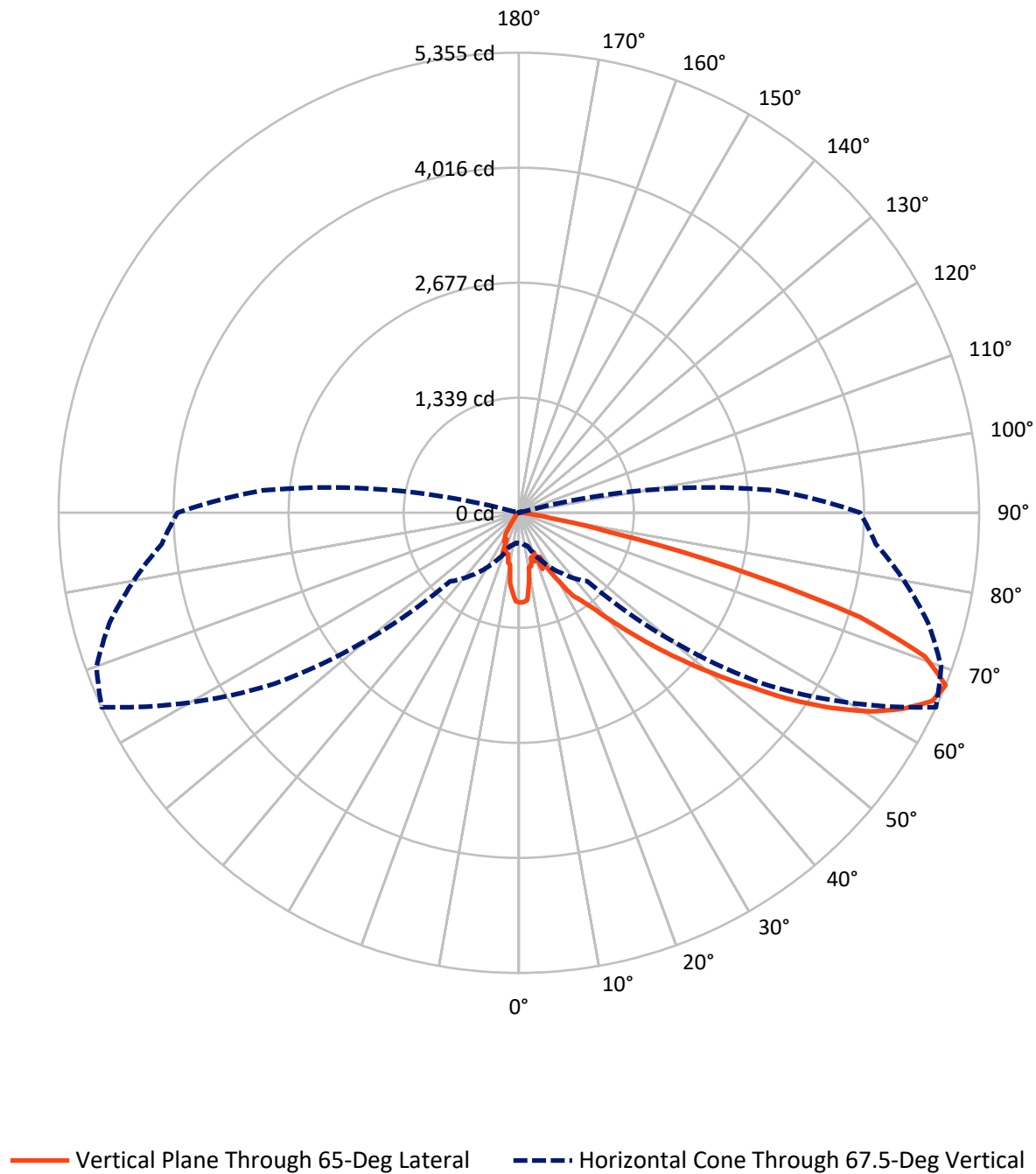


Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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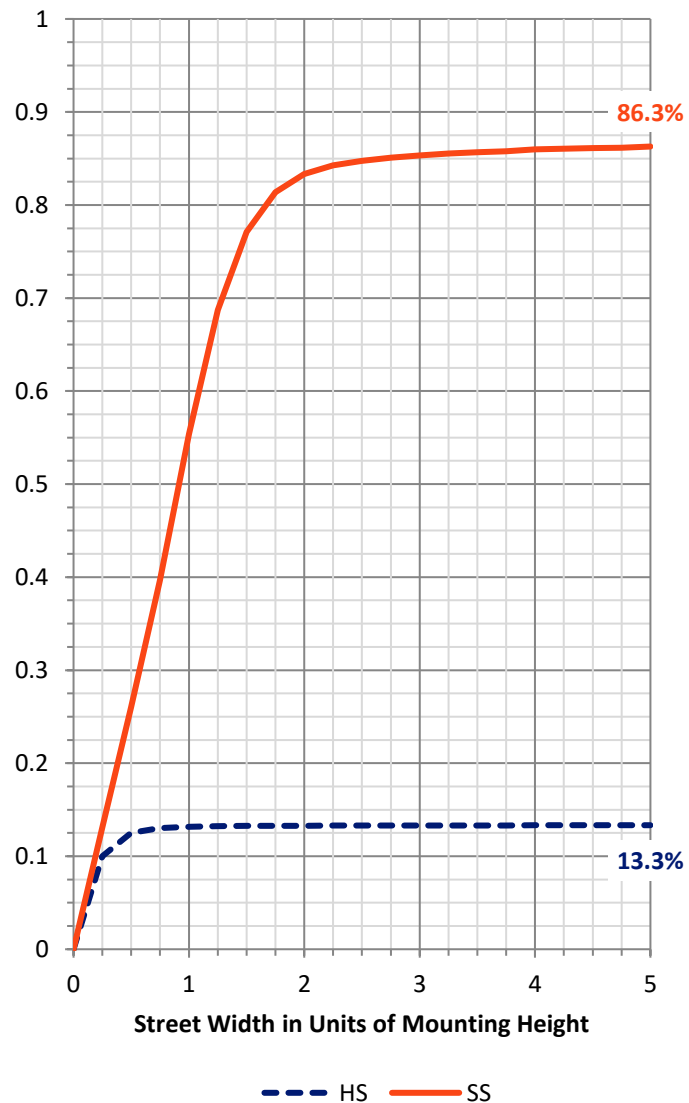
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	843.1	0.0	843.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	5392.1	0.0	5392.1
	% Fixture	86.5	0.0	86.5
Total	Lumens	6235.2	0.0	6235.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.3
10°-20°	155.0	2.5
20°-30°	234.0	3.8
30°-40°	539.0	8.6
40°-50°	1182.5	19.0
50°-60°	1736.0	27.8
60°-70°	1507.8	24.2
70°-80°	747.6	12.0
80°-90°	53.1	0.9
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°	6235.2	100.0
0°-180°	6235.2	100.0

Coefficient of Utilization



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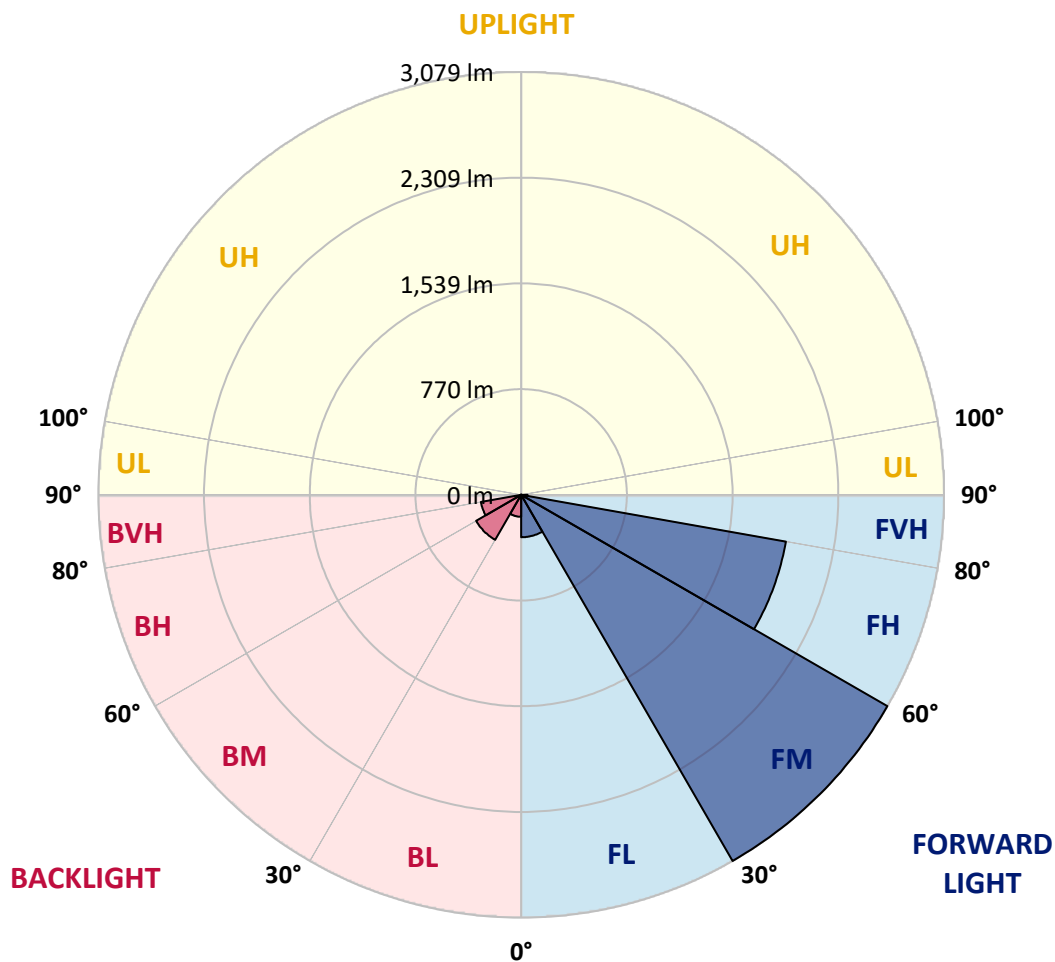
CATALOG NUMBER: SDL-PA1-100-727-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	309.0	5.0			
FM	(30°-60°)	3078.8	49.4			
FH	(60°-80°)	1957.6	31.4			G2/5000
FVH	(80°-90°)	46.7	0.7			G1/100
BL	(0°-30°)	160.1	2.6	B1/500		
BM	(30°-60°)	378.7	6.1	B1/1000		
BH	(60°-80°)	297.9	4.8	B1/500		G1/500
BVH	(80°-90°)	6.4	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9
2.5°	874.1	946.4	968.4	990.4	1009.3	1028.2	1031.3	1034.5	1040.8	1043.9	1047.0
5°	855.2	858.4	858.4	855.2	858.4	861.5	861.5	861.5	861.5	861.5	864.7
7.5°	685.5	767.2	792.4	814.4	826.9	836.4	842.7	845.8	849.0	852.1	855.2
10°	826.9	823.8	826.9	826.9	830.1	830.1	757.8	685.5	710.6	732.6	694.9
12.5°	657.2	723.2	751.5	779.8	798.6	814.4	782.9	748.3	682.3	613.1	616.3
15°	792.4	792.4	792.4	792.4	732.6	669.7	628.9	584.8	619.4	650.9	588.0
17.5°	638.3	638.3	694.9	751.5	751.5	748.3	707.5	663.4	575.4	487.4	566.0
20°	789.2	789.2	792.4	795.5	691.7	588.0	622.6	654.0	666.6	679.2	650.9
22.5°	644.6	644.6	654.0	660.3	698.0	735.8	635.1	534.5	616.3	698.0	641.4
25°	833.2	836.4	842.7	845.8	751.5	654.0	698.0	742.1	654.0	566.0	654.0
27.5°	754.6	742.1	742.1	738.9	770.3	798.6	735.8	672.9	729.5	786.1	720.0
30°	1059.6	1050.2	1037.6	1025.0	905.6	786.1	789.2	789.2	767.2	745.2	782.9
32.5°	1468.4	1452.7	1345.8	1238.8	1150.8	1062.8	971.6	880.4	911.8	940.1	921.3
35°	1971.5	1971.5	1870.8	1770.2	1572.1	1374.1	1220.0	1062.8	1050.2	1037.6	1056.5
37.5°	2568.9	2506.0	2386.5	2267.0	2021.8	1773.4	1537.6	1301.7	1273.4	1242.0	1210.5
40°	3012.2	3002.8	2911.6	2820.4	2518.6	2216.7	1940.0	1660.2	1569.0	1474.7	1405.5
42.5°	3474.4	3439.8	3367.5	3292.1	2987.1	2678.9	2383.4	2084.7	1958.9	1833.1	1710.5
45°	3807.7	3798.3	3735.4	3672.5	3424.1	3172.6	2864.4	2553.2	2471.4	2389.7	2160.1
47.5°	4015.2	3961.8	3936.6	3908.3	3694.5	3480.7	3219.7	2955.6	2943.0	2927.3	2638.1
50°	3952.4	3905.2	3911.5	3917.8	3814.0	3710.3	3512.2	3310.9	3345.5	3380.1	3141.1
52.5°	3619.1	3578.2	3634.8	3688.2	3685.1	3682.0	3609.6	3534.2	3659.9	3782.6	3619.1
55°	2952.5	2980.8	3094.0	3207.2	3282.6	3354.9	3458.7	3559.3	3798.3	4034.1	4002.7
57.5°	2314.2	2377.1	2493.4	2606.6	2729.2	2848.7	3068.8	3288.9	3691.4	4090.7	4229.1
60°	1553.3	1594.2	1798.5	1999.8	2113.0	2226.2	2465.1	2700.9	3248.0	3792.0	4153.6
62.5°	965.3	987.3	1103.6	1220.0	1449.5	1679.0	1798.5	1914.9	2506.0	3094.0	3763.7
65°	594.3	588.0	635.1	679.2	905.6	1128.8	1207.4	1282.9	1675.9	2065.8	3106.6
67.5°	355.3	352.2	377.3	402.5	506.2	610.0	732.6	855.2	993.6	1128.8	2301.6
70°	289.3	295.6	305.0	314.4	342.7	371.0	484.2	597.4	594.3	591.1	1383.5
72.5°	242.1	248.4	267.3	283.0	305.0	323.9	389.9	452.8	424.5	396.2	660.3
75°	179.2	182.4	207.5	229.5	264.1	295.6	311.3	323.9	311.3	298.7	333.3
77.5°	119.5	119.5	141.5	163.5	198.1	232.7	251.5	270.4	248.4	226.4	235.8
80°	75.5	75.5	88.0	97.5	132.1	166.6	188.7	210.7	191.8	169.8	166.6
82.5°	44.0	47.2	53.5	59.7	81.8	103.8	119.5	135.2	157.2	176.1	141.5
85°	18.9	22.0	28.3	31.4	44.0	53.5	62.9	72.3	91.2	110.0	91.2
87.5°	3.1	3.1	6.3	9.4	12.6	15.7	15.7	15.7	15.7	12.6	15.7
90°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.3

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9
2.5°	1047.0	1043.9	1040.8	1040.8	1040.8	1037.6	1034.5	1034.5	1034.5	1031.3	1028.2
5°	864.7	943.3	1021.9	1025.0	1031.3	1028.2	1025.0	1021.9	1018.7	1015.6	1009.3
7.5°	855.2	849.0	842.7	820.7	896.1	896.1	893.0	893.0	886.7	861.5	836.4
10°	654.0	650.9	644.6	654.0	669.7	723.2	773.5	770.3	760.9	701.2	641.4
12.5°	619.4	628.9	638.3	606.8	547.1	597.4	647.7	641.4	635.1	581.7	525.1
15°	525.1	531.4	537.7	588.0	679.2	726.3	770.3	764.1	757.8	694.9	628.9
17.5°	644.6	619.4	594.3	628.9	597.4	619.4	641.4	616.3	597.4	572.3	547.1
20°	619.4	553.4	487.4	588.0	704.3	742.1	779.8	770.3	751.5	691.7	628.9
22.5°	581.7	647.7	710.6	679.2	622.6	588.0	553.4	537.7	525.1	528.2	531.4
25°	738.9	654.0	566.0	716.9	808.1	820.7	830.1	801.8	770.3	704.3	635.1
27.5°	650.9	713.8	773.5	833.2	864.7	874.1	880.4	921.3	855.2	767.2	679.2
30°	820.7	874.1	927.6	1059.6	1166.5	1185.4	1204.3	1157.1	1103.6	996.7	889.8
32.5°	902.4	1025.0	1144.5	1207.4	1251.4	1267.1	1282.9	1220.0	1160.2	1021.9	880.4
35°	1072.2	1163.4	1254.6	1326.9	1411.8	1414.9	1418.1	1348.9	1273.4	1072.2	871.0
37.5°	1176.0	1295.4	1411.8	1493.5	1625.6	1616.2	1606.7	1525.0	1433.8	1150.8	867.8
40°	1333.2	1487.2	1638.2	1716.8	1877.1	1848.8	1820.5	1726.2	1625.6	1235.7	845.8
42.5°	1587.9	1751.4	1914.9	1980.9	2157.0	2125.5	2090.9	1965.2	1836.3	1304.9	773.5
45°	1927.4	2075.2	2223.0	2339.3	2477.7	2427.4	2377.1	2241.9	2053.2	1364.6	676.0
47.5°	2345.6	2455.7	2565.7	2795.3	2895.9	2795.3	2691.5	2528.0	2289.0	1414.9	540.8
50°	2902.2	2927.3	2949.3	3235.5	3336.1	3182.0	3027.9	2817.3	2531.1	1471.5	408.8
52.5°	3452.4	3405.3	3354.9	3663.1	3700.8	3496.4	3288.9	3068.8	2710.4	1503.0	292.4
55°	3971.2	3905.2	3836.0	4056.1	4031.0	3760.6	3490.2	3222.9	2820.4	1512.4	204.4
57.5°	4367.4	4326.5	4282.5	4383.1	4288.8	3971.2	3653.7	3386.4	2902.2	1528.1	150.9
60°	4512.0	4603.2	4694.4	4681.8	4508.9	4172.5	3836.0	3553.0	2952.5	1534.4	113.2
62.5°	4433.4	4729.0	5021.4	4901.9	4691.3	4336.0	3977.5	3704.0	2974.5	1531.3	88.0
65°	4147.3	4716.4	5282.4	5084.3	4820.2	4464.9	4109.6	3864.3	2999.6	1534.4	69.2
67.5°	3471.3	4414.6	5354.7	5228.9	4927.1	4549.8	4169.3	3971.2	2987.1	1521.8	56.6
70°	2172.7	3593.9	5015.1	5112.6	4927.1	4512.0	4097.0	3939.8	2873.9	1458.9	44.0
72.5°	921.3	2537.4	4153.6	4578.1	4707.0	4304.5	3902.1	3707.1	2631.8	1333.2	34.6
75°	364.7	1458.9	2553.2	3226.0	3622.2	3452.4	3279.5	3018.5	1726.2	877.3	25.2
77.5°	245.3	666.6	1087.9	1584.7	1889.7	1955.7	2021.8	1723.1	688.6	355.3	18.9
80°	163.5	267.3	371.0	569.1	679.2	641.4	600.6	493.7	210.7	113.2	15.7
82.5°	103.8	138.3	172.9	194.9	201.2	144.6	88.0	72.3	25.2	18.9	9.4
85°	69.2	81.8	94.3	97.5	97.5	69.2	37.7	18.9	9.4	9.4	6.3
87.5°	18.9	22.0	22.0	22.0	15.7	12.6	9.4	6.3	6.3	6.3	6.3
90°	9.4	12.6	12.6	12.6	9.4	9.4	6.3	6.3	6.3	6.3	6.3

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9	1043.9
2.5°	1028.2	1028.2	1025.0	1021.9	1021.9	1018.7	987.3	952.7	921.3	886.7	883.5
5°	968.4	924.4	883.5	842.7	836.4	826.9	826.9	823.8	823.8	820.7	820.7
7.5°	830.1	823.8	817.5	811.2	808.1	801.8	798.6	792.4	789.2	782.9	748.3
10°	628.9	613.1	613.1	610.0	616.3	622.6	619.4	613.1	654.0	694.9	691.7
12.5°	559.7	591.1	562.8	531.4	540.8	547.1	556.5	566.0	562.8	556.5	509.4
15°	562.8	493.7	471.6	446.5	459.1	468.5	386.7	301.9	286.1	270.4	251.5
17.5°	525.1	503.1	487.4	468.5	358.4	245.3	220.1	194.9	172.9	147.8	144.6
20°	531.4	430.8	402.5	371.0	286.1	201.2	154.1	106.9	94.3	81.8	94.3
22.5°	518.8	503.1	367.9	232.7	172.9	113.2	94.3	72.3	78.6	84.9	84.9
25°	487.4	339.6	264.1	188.7	132.1	72.3	75.5	75.5	69.2	59.7	66.0
27.5°	528.2	374.2	239.0	100.6	88.0	72.3	66.0	56.6	56.6	56.6	53.5
30°	610.0	327.0	204.4	81.8	69.2	56.6	53.5	50.3	47.2	40.9	44.0
32.5°	578.5	276.7	172.9	69.2	59.7	50.3	44.0	37.7	37.7	37.7	37.7
35°	525.1	176.1	119.5	59.7	50.3	40.9	37.7	31.4	31.4	31.4	31.4
37.5°	490.5	113.2	81.8	47.2	40.9	34.6	31.4	25.2	25.2	25.2	28.3
40°	462.2	78.6	59.7	40.9	34.6	25.2	22.0	18.9	22.0	22.0	22.0
42.5°	421.3	66.0	50.3	34.6	28.3	22.0	18.9	15.7	18.9	18.9	18.9
45°	367.9	59.7	44.0	28.3	25.2	18.9	15.7	12.6	15.7	15.7	15.7
47.5°	295.6	50.3	37.7	25.2	22.0	15.7	15.7	12.6	12.6	12.6	12.6
50°	229.5	47.2	34.6	22.0	18.9	12.6	12.6	9.4	12.6	12.6	12.6
52.5°	166.6	40.9	31.4	18.9	15.7	9.4	9.4	9.4	9.4	9.4	9.4
55°	119.5	34.6	25.2	15.7	12.6	9.4	9.4	6.3	9.4	9.4	9.4
57.5°	91.2	31.4	22.0	12.6	9.4	6.3	6.3	6.3	6.3	6.3	6.3
60°	72.3	28.3	22.0	12.6	9.4	6.3	6.3	3.1	6.3	6.3	6.3
62.5°	56.6	22.0	18.9	12.6	9.4	6.3	6.3	3.1	6.3	6.3	6.3
65°	44.0	18.9	15.7	9.4	6.3	3.1	3.1	3.1	6.3	6.3	6.3
67.5°	37.7	15.7	12.6	9.4	6.3	3.1	6.3	6.3	6.3	6.3	6.3
70°	31.4	15.7	12.6	9.4	6.3	3.1	6.3	6.3	9.4	9.4	6.3
72.5°	25.2	12.6	9.4	6.3	6.3	3.1	6.3	6.3	9.4	9.4	6.3
75°	18.9	9.4	9.4	6.3	6.3	3.1	6.3	9.4	9.4	9.4	6.3
77.5°	15.7	9.4	9.4	6.3	6.3	3.1	6.3	9.4	9.4	9.4	9.4
80°	12.6	6.3	6.3	6.3	3.1	0.0	6.3	12.6	12.6	9.4	9.4
82.5°	9.4	6.3	6.3	6.3	3.1	0.0	6.3	12.6	12.6	9.4	9.4
85°	6.3	6.3	6.3	6.3	6.3	3.1	9.4	12.6	12.6	9.4	9.4
87.5°	6.3	6.3	6.3	6.3	6.3	3.1	6.3	9.4	9.4	9.4	9.4
90°	6.3	6.3	9.4	9.4	6.3	3.1	6.3	9.4	9.4	9.4	9.4

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1043.9	1043.9	1043.9	1043.9
2.5°	877.3	883.5	886.7	880.4
5°	817.5	817.5	814.4	823.8
7.5°	710.6	691.7	669.7	654.0
10°	685.5	669.7	654.0	657.2
12.5°	459.1	411.9	364.7	380.5
15°	232.7	220.1	207.5	207.5
17.5°	138.3	125.8	110.0	113.2
20°	103.8	103.8	103.8	103.8
22.5°	81.8	78.6	72.3	69.2
25°	69.2	69.2	69.2	69.2
27.5°	50.3	50.3	47.2	44.0
30°	44.0	44.0	44.0	40.9
32.5°	34.6	37.7	37.7	37.7
35°	31.4	31.4	31.4	31.4
37.5°	28.3	28.3	25.2	25.2
40°	22.0	22.0	22.0	22.0
42.5°	18.9	18.9	18.9	18.9
45°	15.7	15.7	15.7	15.7
47.5°	12.6	12.6	12.6	12.6
50°	12.6	12.6	9.4	9.4
52.5°	9.4	9.4	6.3	6.3
55°	6.3	6.3	6.3	6.3
57.5°	6.3	6.3	3.1	3.1
60°	6.3	6.3	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	0.0	0.0
67.5°	3.1	3.1	0.0	0.0
70°	3.1	3.1	0.0	0.0
72.5°	3.1	3.1	0.0	0.0
75°	3.1	3.1	0.0	0.0
77.5°	6.3	3.1	0.0	0.0
80°	6.3	6.3	3.1	0.0
82.5°	6.3	6.3	3.1	0.0
85°	6.3	6.3	3.1	0.0
87.5°	6.3	6.3	3.1	0.0
90°	6.3	6.3	3.1	0.0

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