

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: P560180

Luminaire Tested: **SDL-PA1-30-730-U-SL3-HSS**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560180  
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-PA1-30-730-U-SL3-HSS  
Description: Springdale  
(1) 70 CRI, 3000K, 375mA 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: 2891.3 lumens  
Efficiency: N/A  
Efficacy: 96.1 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: B0 - U0 - G1

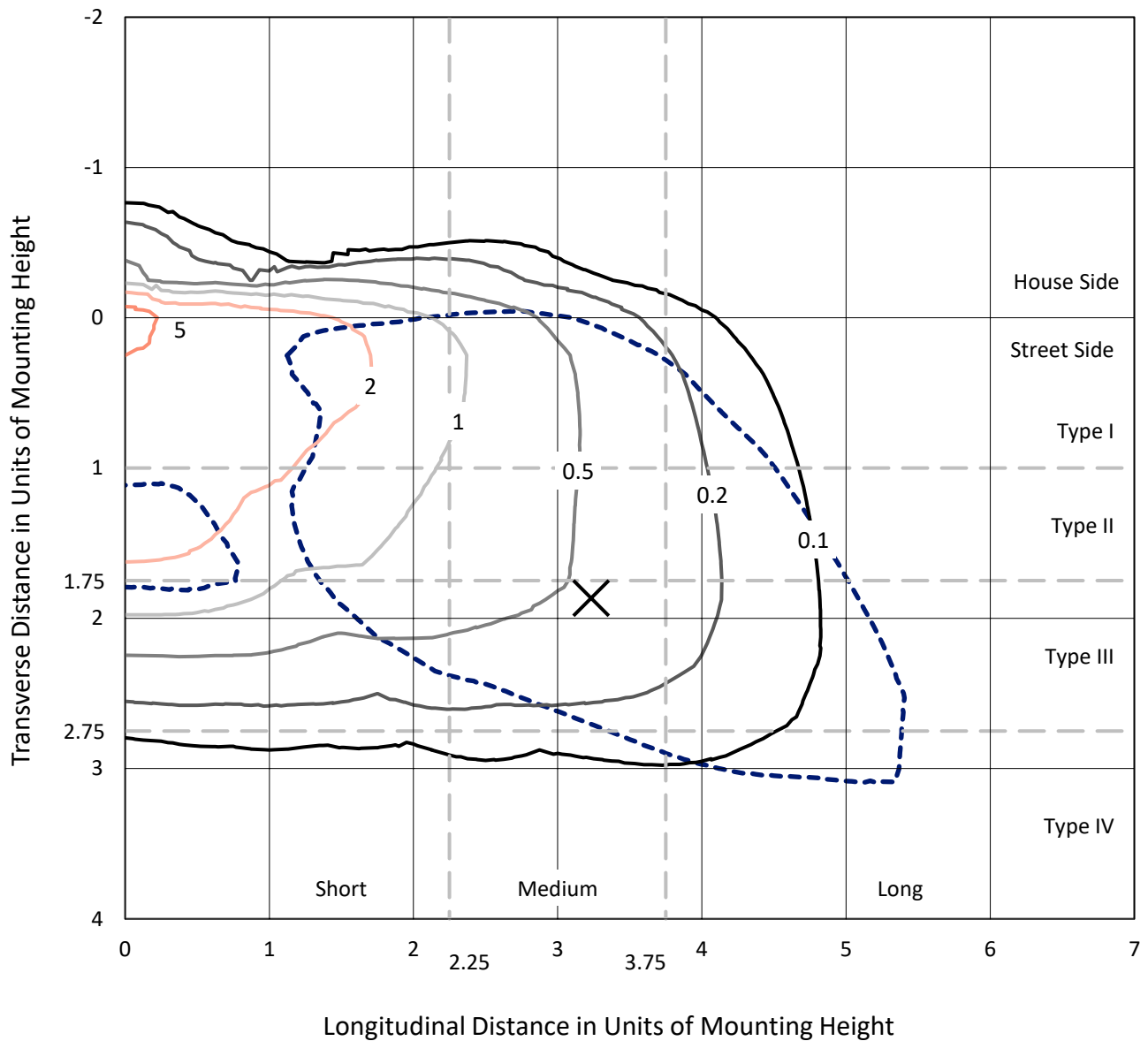
Input Watts (W): 30.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

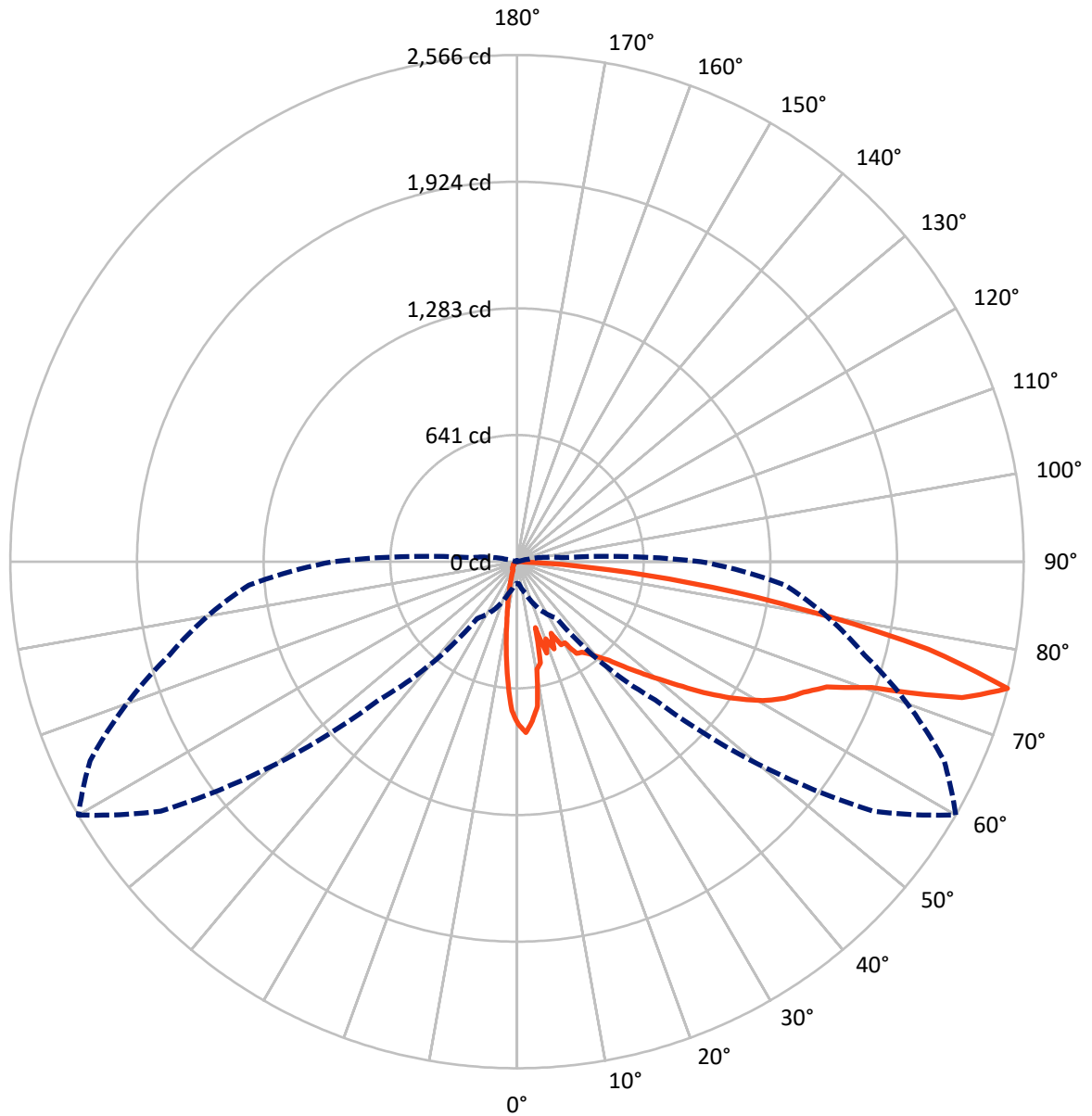
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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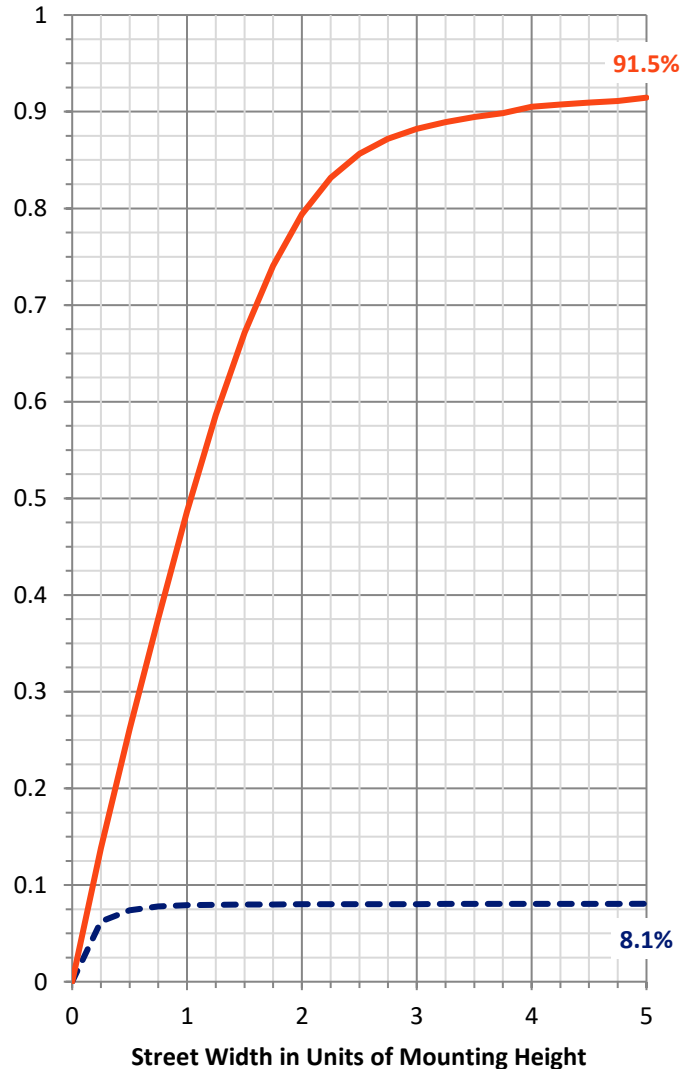
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	235.6	0.0	235.6
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	2655.7	0.0	2655.7
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	2891.3	0.0	2891.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.0	2.0
10°-20°	94.6	3.3
20°-30°	135.5	4.7
30°-40°	241.3	8.3
40°-50°	397.2	13.7
50°-60°	612.4	21.2
60°-70°	713.7	24.7
70°-80°	553.1	19.1
80°-90°	86.4	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°	2891.3	100.0
0°-180°	2891.3	100.0

**Coefficient of Utilization**



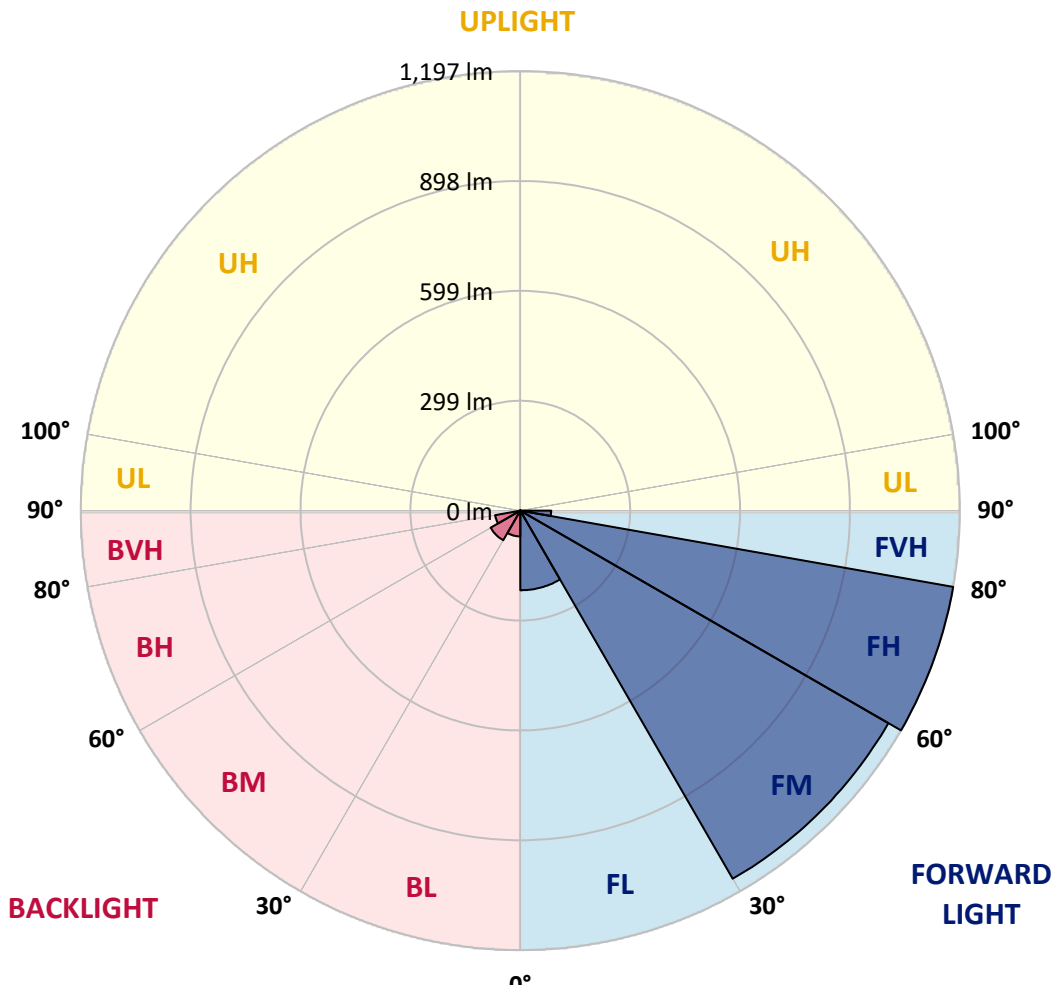
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.9	7.5			
FM (30°-60°)	1157.7	40.0			
FH (60°-80°)	1197.2	41.4			G1/1800
FVH (80°-90°)	84.0	2.9			G1/100
BL (0°-30°)	70.2	2.4	B0/110		
BM (30°-60°)	93.3	3.2	B0/220		
BH (60°-80°)	69.7	2.4	B0/110		G0/110
BVH (80°-90°)	2.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9
2.5°	769.9	798.8	816.3	832.7	854.0	875.4	876.6	877.9	877.9	877.9	876.6
5°	743.5	746.0	746.0	746.0	749.8	753.5	756.1	757.3	758.6	758.6	757.3
7.5°	581.5	628.0	656.8	684.5	692.0	699.5	709.6	718.4	725.9	732.2	737.2
10°	644.3	649.3	649.3	648.1	654.3	659.4	610.4	560.1	580.2	600.3	575.2
12.5°	497.3	522.5	553.9	584.0	604.1	624.2	601.6	579.0	543.8	507.4	504.9
15°	581.5	585.3	586.5	587.8	553.9	518.7	477.2	434.5	463.4	492.3	450.9
17.5°	447.1	450.9	486.0	521.2	525.0	528.7	502.4	474.7	414.5	354.2	410.7
20°	535.0	537.5	537.5	537.5	471.0	404.4	409.4	413.2	432.0	450.9	437.1
22.5°	430.8	425.8	428.3	429.5	449.6	468.5	429.5	389.3	418.2	445.9	422.0
25°	538.8	540.0	532.5	523.7	464.7	404.4	425.8	445.9	411.9	376.8	410.7
27.5°	487.3	482.3	464.7	447.1	455.9	464.7	424.5	383.1	415.7	447.1	432.0
30°	641.8	639.3	616.7	592.8	522.5	450.9	443.3	434.5	415.7	395.6	422.0
32.5°	856.5	826.4	742.2	656.8	612.9	567.7	512.4	457.2	463.4	468.5	472.2
35°	904.3	890.4	854.0	817.6	749.8	680.7	605.4	528.7	511.2	493.6	503.6
37.5°	916.8	911.8	906.8	900.5	820.1	739.7	664.4	587.8	574.0	558.9	547.6
40°	929.4	934.4	949.5	963.3	887.9	812.6	742.2	670.7	654.3	638.0	609.1
42.5°	979.6	983.4	1006.0	1028.6	955.8	881.7	820.1	758.6	734.7	710.8	684.5
45°	1086.4	1090.1	1102.7	1115.3	1047.4	978.4	910.5	841.5	822.6	802.5	772.4
47.5°	1234.6	1238.3	1232.1	1225.8	1147.9	1068.8	988.4	908.0	901.7	895.5	864.1
50°	1404.1	1399.1	1365.2	1331.3	1245.9	1160.5	1066.3	970.8	975.8	980.9	958.3
52.5°	1482.0	1479.5	1440.5	1401.6	1313.7	1224.5	1126.6	1027.3	1044.9	1061.2	1048.7
55°	1477.0	1475.7	1449.3	1423.0	1340.1	1257.2	1165.5	1073.8	1114.0	1152.9	1145.4
57.5°	1421.7	1424.2	1420.4	1416.7	1343.8	1271.0	1196.9	1122.8	1183.1	1242.1	1252.1
60°	1335.0	1335.0	1353.9	1371.5	1328.8	1284.8	1223.3	1160.5	1243.4	1326.2	1351.4
62.5°	1154.2	1174.3	1214.5	1254.7	1268.5	1282.3	1232.1	1181.8	1296.1	1410.4	1446.8
65°	889.2	898.0	970.8	1043.7	1111.5	1178.0	1181.8	1185.6	1360.2	1533.5	1546.0
67.5°	516.2	552.6	633.0	712.1	845.2	977.1	1044.9	1112.7	1387.8	1661.6	1675.4
70°	271.3	286.3	325.3	363.0	482.3	600.3	768.6	935.7	1323.7	1710.6	1831.1
72.5°	185.9	199.7	221.0	242.4	287.6	331.6	452.1	571.4	1053.7	1536.0	1910.2
75°	109.3	113.0	139.4	165.8	214.8	263.7	307.7	350.4	670.7	989.7	1596.3
77.5°	44.0	47.7	59.0	70.3	139.4	207.2	252.4	297.7	374.3	450.9	1096.4
80°	23.9	23.9	28.9	32.7	62.8	91.7	169.5	247.4	285.1	322.8	710.8
82.5°	13.8	13.8	17.6	20.1	31.4	42.7	96.7	150.7	222.3	292.6	479.8
85°	5.0	5.0	6.3	7.5	15.1	21.4	35.2	47.7	138.2	227.3	276.3
87.5°	1.3	1.3	2.5	2.5	3.8	5.0	6.3	6.3	5.0	3.8	25.1
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9
2.5°	874.1	866.6	861.6	852.8	844.0	836.4	827.6	816.3	807.6	796.3	784.9
5°	756.1	808.8	862.8	857.8	851.5	833.9	816.3	796.3	777.4	754.8	732.2
7.5°	741.0	739.7	688.2	714.6	739.7	719.6	699.5	676.9	651.8	607.9	563.9
10°	550.1	553.9	552.6	558.9	565.2	581.5	596.6	563.9	532.5	463.4	393.1
12.5°	502.4	526.2	532.5	489.8	447.1	464.7	482.3	449.6	418.2	354.2	290.1
15°	408.2	346.6	434.5	492.3	548.8	557.6	565.2	522.5	472.2	384.3	295.1
17.5°	465.9	487.3	462.2	463.4	463.4	464.7	465.9	427.0	376.8	310.2	243.6
20°	423.2	417.0	419.5	460.9	502.4	530.0	556.4	497.3	433.3	330.3	226.1
22.5°	398.1	479.8	514.9	497.3	479.8	435.8	390.6	345.4	292.6	241.1	188.4
25°	443.3	400.6	428.3	496.1	563.9	563.9	563.9	486.0	399.4	288.9	178.3
27.5°	417.0	476.0	503.6	557.6	610.4	633.0	654.3	555.1	440.8	303.9	165.8
30°	448.4	476.0	574.0	682.0	790.0	771.1	751.0	624.2	479.8	319.0	158.2
32.5°	476.0	553.9	640.5	722.2	803.8	782.4	759.8	619.2	457.2	287.6	118.1
35°	513.7	563.9	644.3	743.5	842.7	810.1	776.2	621.7	439.6	263.7	87.9
37.5°	536.3	591.5	678.2	782.4	885.4	845.2	805.0	633.0	424.5	246.2	67.8
40°	579.0	634.2	720.9	830.2	939.4	893.0	845.2	653.1	415.7	236.1	56.5
42.5°	658.1	683.2	779.9	895.5	1011.0	962.0	911.8	695.8	413.2	231.1	49.0
45°	741.0	757.3	842.7	972.1	1100.2	1049.9	998.5	748.5	422.0	234.9	46.5
47.5°	831.4	840.2	918.1	1078.8	1239.6	1170.5	1101.4	821.4	440.8	242.4	44.0
50°	935.7	935.7	1011.0	1184.3	1357.6	1286.1	1214.5	906.8	464.7	253.7	42.7
52.5°	1034.9	1048.7	1106.5	1283.5	1460.6	1394.1	1326.2	1001.0	496.1	268.8	40.2
55°	1136.6	1180.6	1201.9	1382.8	1563.6	1487.0	1410.4	1070.0	514.9	276.3	37.7
57.5°	1262.2	1308.7	1320.0	1473.2	1626.4	1552.3	1477.0	1129.1	528.7	282.6	36.4
60°	1376.5	1429.2	1451.8	1564.9	1676.6	1600.0	1523.4	1180.6	541.3	287.6	32.7
62.5°	1482.0	1522.2	1557.3	1630.2	1703.0	1631.4	1558.6	1225.8	548.8	288.9	28.9
65°	1558.6	1595.0	1645.2	1686.7	1728.1	1674.1	1620.1	1303.6	570.2	296.4	21.4
67.5°	1688.0	1691.7	1720.6	1754.5	1788.4	1759.5	1730.7	1411.6	595.3	306.4	16.3
70°	1950.4	1907.7	1870.1	1904.0	1936.6	1896.4	1856.2	1443.0	537.5	275.0	12.6
72.5°	2284.5	2356.1	2174.0	2103.7	2032.1	1883.9	1734.4	1242.1	381.8	195.9	10.0
75°	2202.9	2565.8	2386.2	2103.7	1821.1	1592.5	1362.7	931.9	234.9	121.8	7.5
77.5°	1740.7	2130.0	2066.0	1774.6	1482.0	1200.7	919.3	572.7	82.9	45.2	7.5
80°	1098.9	1473.2	1417.9	1152.9	886.7	630.5	374.3	174.6	31.4	20.1	8.8
82.5°	666.9	877.9	689.5	432.0	174.6	123.1	71.6	37.7	10.0	8.8	7.5
85°	324.0	363.0	237.4	136.9	35.2	32.7	28.9	18.8	5.0	5.0	3.8
87.5°	45.2	32.7	20.1	13.8	6.3	6.3	6.3	3.8	3.8	3.8	2.5
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°	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9	823.9
2.5°	776.2	766.1	754.8	743.5	730.9	718.4	682.0	644.3	624.2	602.8	597.8
5°	690.8	649.3	597.8	545.1	522.5	499.9	488.6	476.0	468.5	459.7	452.1
7.5°	506.1	447.1	447.1	445.9	427.0	408.2	386.8	364.2	350.4	336.6	300.2
10°	361.7	329.0	306.4	283.8	275.0	266.3	238.6	209.7	212.2	213.5	206.0
12.5°	280.1	268.8	227.3	185.9	172.1	158.2	149.5	140.7	128.1	115.5	106.8
15°	239.9	184.6	153.2	121.8	108.0	92.9	80.4	66.6	62.8	57.8	64.1
17.5°	197.2	149.5	119.3	89.2	69.1	49.0	51.5	54.0	59.0	64.1	66.6
20°	169.5	113.0	86.7	60.3	54.0	47.7	50.2	51.5	50.2	47.7	55.3
22.5°	138.2	87.9	66.6	44.0	45.2	46.5	42.7	38.9	46.5	54.0	54.0
25°	118.1	57.8	51.5	45.2	41.4	37.7	42.7	46.5	44.0	41.4	47.7
27.5°	108.0	50.2	44.0	37.7	38.9	40.2	38.9	36.4	40.2	44.0	42.7
30°	103.0	46.5	42.7	37.7	36.4	33.9	35.2	35.2	33.9	32.7	36.4
32.5°	82.9	47.7	41.4	33.9	32.7	30.1	28.9	27.6	28.9	30.1	31.4
35°	66.6	44.0	38.9	32.7	30.1	27.6	26.4	23.9	23.9	23.9	25.1
37.5°	54.0	40.2	35.2	28.9	26.4	23.9	22.6	20.1	20.1	20.1	20.1
40°	47.7	37.7	32.7	26.4	23.9	20.1	18.8	16.3	16.3	15.1	15.1
42.5°	41.4	33.9	28.9	22.6	20.1	17.6	15.1	12.6	12.6	11.3	11.3
45°	38.9	31.4	26.4	21.4	17.6	13.8	12.6	10.0	10.0	8.8	8.8
47.5°	37.7	30.1	25.1	18.8	15.1	11.3	10.0	7.5	7.5	7.5	7.5
50°	35.2	27.6	22.6	16.3	13.8	10.0	8.8	6.3	6.3	6.3	6.3
52.5°	33.9	26.4	20.1	13.8	11.3	7.5	6.3	5.0	5.0	5.0	5.0
55°	32.7	27.6	20.1	12.6	10.0	6.3	5.0	3.8	3.8	3.8	3.8
57.5°	31.4	26.4	18.8	10.0	7.5	5.0	3.8	2.5	2.5	2.5	2.5
60°	27.6	22.6	15.1	7.5	6.3	3.8	2.5	1.3	2.5	2.5	2.5
62.5°	23.9	17.6	12.6	6.3	5.0	2.5	2.5	1.3	2.5	2.5	2.5
65°	17.6	13.8	10.0	5.0	3.8	1.3	1.3	1.3	2.5	2.5	2.5
67.5°	13.8	10.0	7.5	3.8	2.5	1.3	1.3	1.3	2.5	2.5	2.5
70°	10.0	7.5	5.0	2.5	2.5	1.3	1.3	1.3	2.5	2.5	2.5
72.5°	7.5	5.0	3.8	2.5	2.5	1.3	2.5	2.5	2.5	2.5	2.5
75°	6.3	5.0	3.8	2.5	2.5	1.3	2.5	2.5	3.8	3.8	3.8
77.5°	6.3	3.8	3.8	2.5	2.5	1.3	2.5	3.8	3.8	3.8	3.8
80°	6.3	3.8	3.8	2.5	2.5	1.3	2.5	3.8	3.8	3.8	3.8
82.5°	6.3	3.8	3.8	2.5	2.5	1.3	2.5	3.8	3.8	3.8	3.8
85°	3.8	3.8	3.8	3.8	2.5	1.3	3.8	5.0	5.0	3.8	3.8
87.5°	2.5	2.5	3.8	3.8	2.5	1.3	3.8	5.0	5.0	3.8	3.8
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):**

	165°	170°	175°	180°
0°	823.9	823.9	823.9	823.9
2.5°	591.5	585.3	577.7	592.8
5°	444.6	439.6	434.5	443.3
7.5°	263.7	265.0	265.0	251.2
10°	197.2	185.9	173.3	173.3
12.5°	98.0	90.4	82.9	81.6
15°	70.3	71.6	72.8	72.8
17.5°	69.1	66.6	62.8	60.3
20°	61.5	64.1	65.3	65.3
22.5°	54.0	52.7	50.2	50.2
25°	54.0	55.3	56.5	56.5
27.5°	41.4	41.4	40.2	40.2
30°	40.2	40.2	40.2	40.2
32.5°	31.4	32.7	32.7	32.7
35°	26.4	26.4	26.4	26.4
37.5°	20.1	20.1	20.1	18.8
40°	15.1	15.1	15.1	15.1
42.5°	11.3	11.3	11.3	11.3
45°	8.8	8.8	8.8	8.8
47.5°	7.5	7.5	6.3	6.3
50°	5.0	5.0	5.0	5.0
52.5°	3.8	3.8	3.8	3.8
55°	2.5	2.5	2.5	2.5
57.5°	2.5	2.5	2.5	2.5
60°	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3
72.5°	2.5	2.5	1.3	1.3
75°	2.5	2.5	1.3	1.3
77.5°	2.5	2.5	1.3	1.3
80°	2.5	2.5	1.3	1.3
82.5°	2.5	2.5	1.3	1.3
85°	2.5	2.5	2.5	1.3
87.5°	2.5	2.5	2.5	1.3
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)