

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: P560356

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560356
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-PA1-40-730-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 500mA 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: 3770.8 lumens
Efficiency: N/A
Efficacy: 95.7 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 - 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

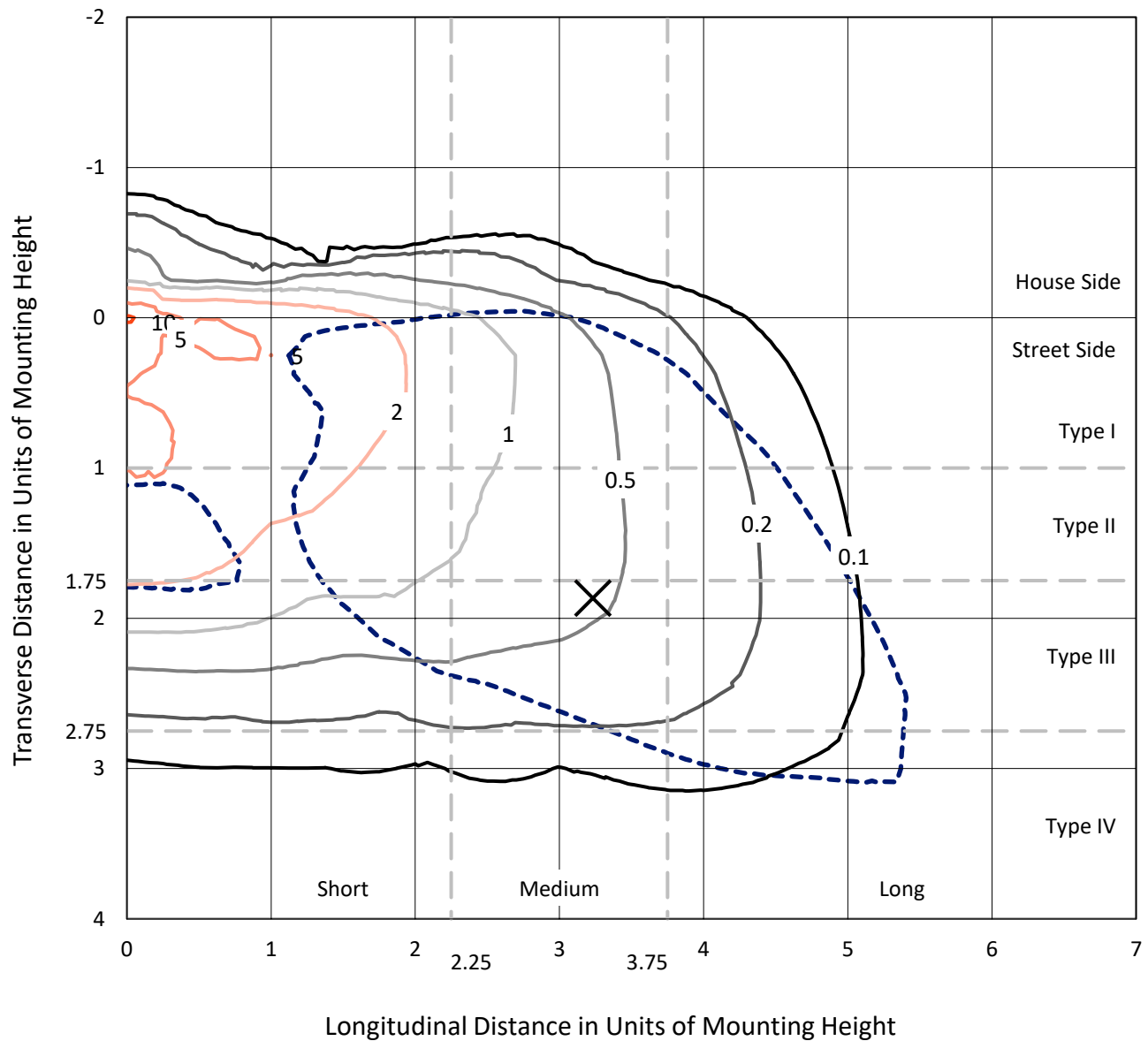


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

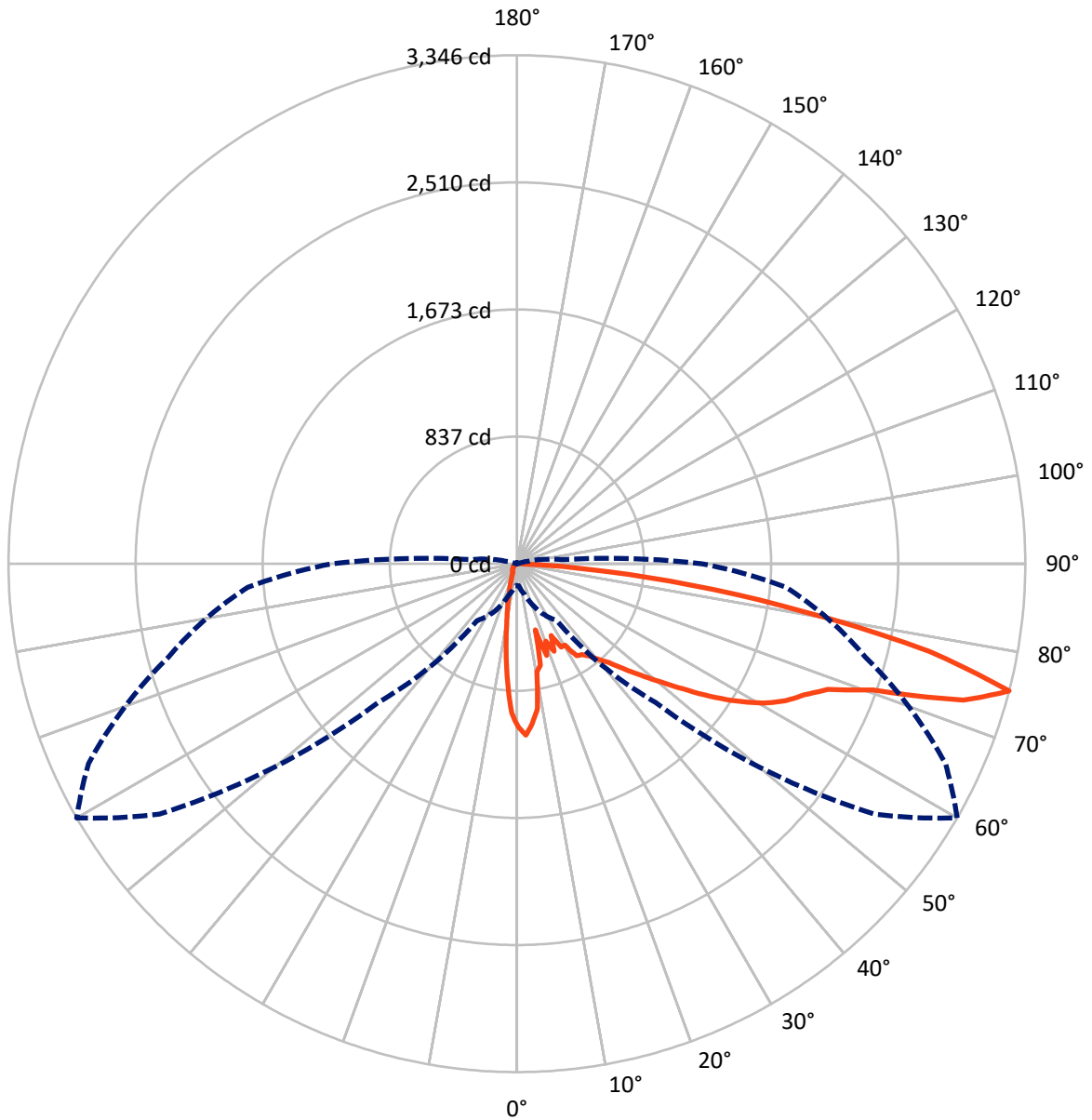


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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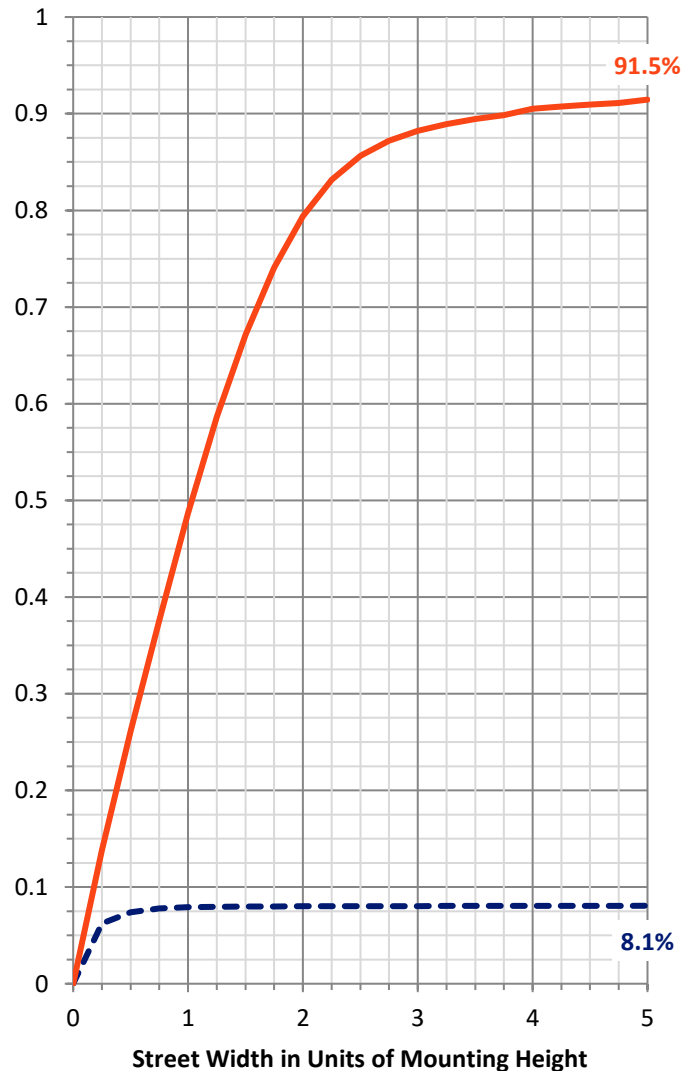
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	307.2	0.0	307.2
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3463.6	0.0	3463.6
	% Fixture	91.9	0.0	91.9
Total	Lumens	3770.8	0.0	3770.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	2.0
10°-20°	123.4	3.3
20°-30°	176.8	4.7
30°-40°	314.7	8.3
40°-50°	518.0	13.7
50°-60°	798.7	21.2
60°-70°	930.9	24.7
70°-80°	721.4	19.1
80°-90°	112.6	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°	3770.8	100.0
0°-180°	3770.8	100.0



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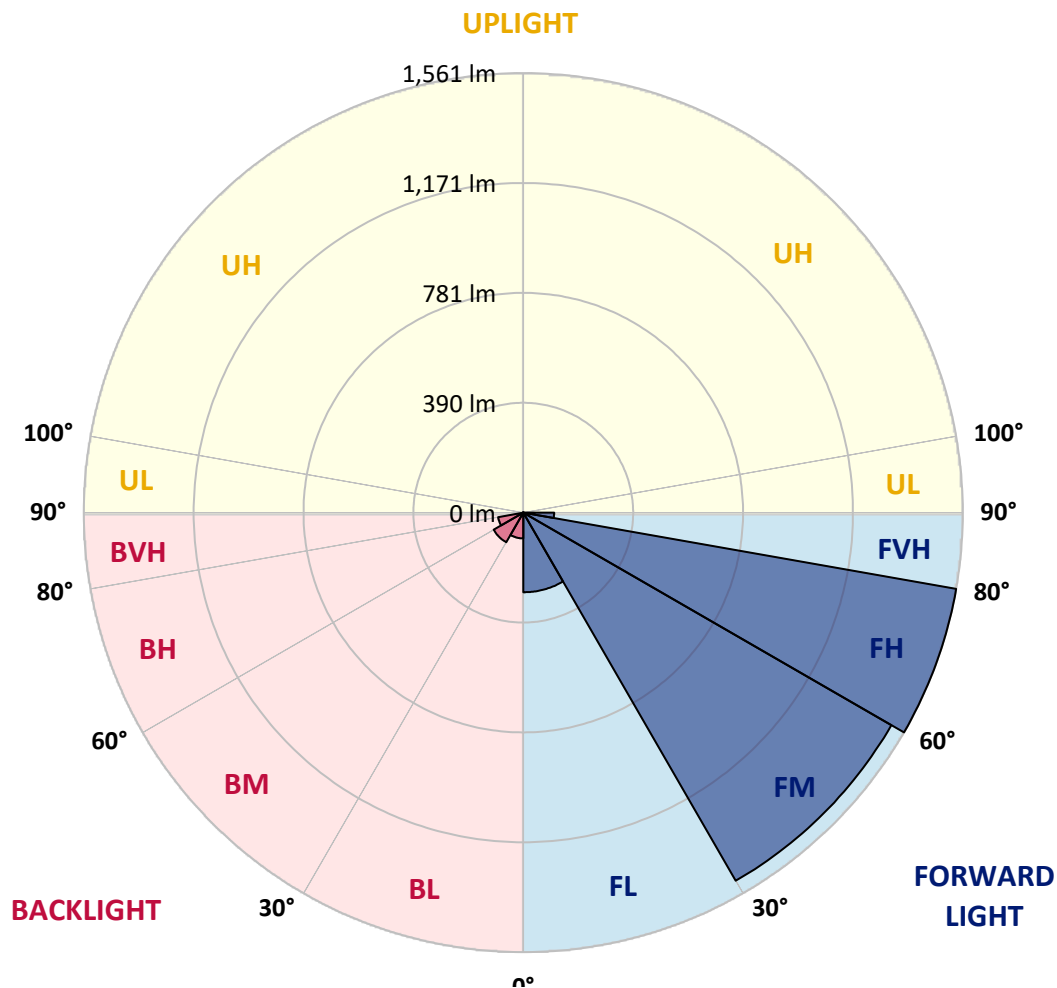
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	282.9	7.5			
FM	(30°-60°)	1509.8	40.0			
FH	(60°-80°)	1561.4	41.4			G1/1800
FVH	(80°-90°)	109.5	2.9			G2/225
BL	(0°-30°)	91.6	2.4	B0/110		
BM	(30°-60°)	121.6	3.2	B0/220		
BH	(60°-80°)	90.9	2.4	B0/110		G0/110
BVH	(80°-90°)	3.1	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5
2.5°	1004.1	1041.8	1064.7	1086.0	1113.8	1141.7	1143.3	1145.0	1145.0	1145.0	1143.3
5°	969.7	973.0	973.0	973.0	977.9	982.8	986.1	987.7	989.4	989.4	987.7
7.5°	758.4	819.0	856.7	892.7	902.5	912.4	925.5	936.9	946.8	955.0	961.5
10°	840.3	846.8	846.8	845.2	853.4	859.9	796.1	730.5	756.8	783.0	750.2
12.5°	648.6	681.4	722.4	761.7	787.9	814.1	784.6	755.1	709.3	661.8	658.5
15°	758.4	763.3	764.9	766.6	722.4	676.5	622.4	566.7	604.4	642.1	588.0
17.5°	583.1	588.0	633.9	679.8	684.7	689.6	655.2	619.2	540.5	461.9	535.6
20°	697.8	701.1	701.1	701.1	614.2	527.4	534.0	538.9	563.5	588.0	570.0
22.5°	561.8	555.3	558.6	560.2	586.4	611.0	560.2	507.8	545.5	581.5	550.4
25°	702.7	704.3	694.5	683.0	606.1	527.4	555.3	581.5	537.3	491.4	535.6
27.5°	635.5	629.0	606.1	583.1	594.6	606.1	553.6	499.6	542.2	583.1	563.5
30°	837.0	833.7	804.3	773.1	681.4	588.0	578.2	566.7	542.2	516.0	550.4
32.5°	1117.1	1077.8	968.1	856.7	799.3	740.4	668.3	596.2	604.4	611.0	615.9
35°	1179.4	1161.3	1113.8	1066.3	977.9	887.8	789.5	689.6	666.7	643.7	656.8
37.5°	1195.7	1189.2	1182.6	1174.4	1069.6	964.8	866.5	766.6	748.6	728.9	714.2
40°	1212.1	1218.7	1238.3	1256.3	1158.1	1059.8	968.1	874.7	853.4	832.1	794.4
42.5°	1277.6	1282.6	1312.0	1341.5	1246.5	1149.9	1069.6	989.4	958.2	927.1	892.7
45°	1416.9	1421.8	1438.2	1454.5	1366.1	1276.0	1187.5	1097.5	1072.9	1046.7	1007.4
47.5°	1610.2	1615.1	1606.9	1598.7	1497.1	1393.9	1289.1	1184.3	1176.1	1167.9	1126.9
50°	1831.3	1824.7	1780.5	1736.3	1624.9	1513.5	1390.7	1266.2	1272.7	1279.3	1249.8
52.5°	1932.8	1929.6	1878.8	1828.0	1713.3	1597.0	1469.3	1339.9	1362.8	1384.1	1367.7
55°	1926.3	1924.6	1890.3	1855.9	1747.7	1639.6	1520.1	1400.5	1452.9	1503.7	1493.9
57.5°	1854.2	1857.5	1852.6	1847.7	1752.7	1657.7	1561.0	1464.4	1543.0	1620.0	1633.1
60°	1741.2	1741.2	1765.8	1788.7	1733.0	1675.7	1595.4	1513.5	1621.6	1729.7	1762.5
62.5°	1505.3	1531.5	1583.9	1636.4	1654.4	1672.4	1606.9	1541.4	1690.4	1839.5	1887.0
65°	1159.7	1171.2	1266.2	1361.2	1449.6	1536.4	1541.4	1546.3	1774.0	2000.0	2016.4
67.5°	673.2	720.7	825.6	928.7	1102.4	1274.4	1362.8	1451.3	1810.0	2167.1	2185.1
70°	353.8	373.5	424.2	473.4	629.0	783.0	1002.5	1220.3	1726.5	2231.0	2388.2
72.5°	242.4	260.4	288.3	316.1	375.1	432.4	589.7	745.3	1374.3	2003.3	2491.4
75°	142.5	147.4	181.8	216.2	280.1	344.0	401.3	457.0	874.7	1290.7	2081.9
77.5°	57.3	62.2	77.0	91.7	181.8	270.3	329.2	388.2	488.1	588.0	1430.0
80°	31.1	31.1	37.7	42.6	81.9	119.6	221.1	322.7	371.8	421.0	927.1
82.5°	18.0	18.0	22.9	26.2	40.9	55.7	126.1	196.6	289.9	381.7	625.7
85°	6.6	6.6	8.2	9.8	19.7	27.8	45.9	62.2	180.2	296.5	360.4
87.5°	1.6	1.6	3.3	3.3	4.9	6.6	8.2	8.2	6.6	4.9	32.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5
2.5°	1140.0	1130.2	1123.7	1112.2	1100.7	1090.9	1079.4	1064.7	1053.2	1038.5	1023.7
5°	986.1	1054.9	1125.3	1118.8	1110.6	1087.6	1064.7	1038.5	1013.9	984.4	955.0
7.5°	966.4	964.8	897.6	932.0	964.8	938.6	912.4	882.9	850.1	792.8	735.5
10°	717.4	722.4	720.7	728.9	737.1	758.4	778.0	735.5	694.5	604.4	512.7
12.5°	655.2	686.3	694.5	638.8	583.1	606.1	629.0	586.4	545.5	461.9	378.4
15°	532.3	452.1	566.7	642.1	715.8	727.3	737.1	681.4	615.9	501.2	384.9
17.5°	607.7	635.5	602.8	604.4	604.4	606.1	607.7	556.9	491.4	404.6	317.8
20°	552.0	543.8	547.1	601.1	655.2	691.2	725.6	648.6	565.1	430.8	294.8
22.5°	519.2	625.7	671.6	648.6	625.7	568.4	509.4	450.4	381.7	314.5	245.7
25°	578.2	522.5	558.6	647.0	735.5	735.5	735.5	633.9	520.9	376.7	232.6
27.5°	543.8	620.8	656.8	727.3	796.1	825.6	853.4	724.0	574.9	396.4	216.2
30°	584.8	620.8	748.6	889.4	1030.3	1005.7	979.5	814.1	625.7	416.1	206.4
32.5°	620.8	722.4	835.4	941.8	1048.3	1020.5	991.0	807.5	596.2	375.1	154.0
35°	669.9	735.5	840.3	969.7	1099.1	1056.5	1012.3	810.8	573.3	344.0	114.7
37.5°	699.4	771.5	884.5	1020.5	1154.8	1102.4	1050.0	825.6	553.6	321.0	88.5
40°	755.1	827.2	940.2	1082.7	1225.2	1164.6	1102.4	851.8	542.2	307.9	73.7
42.5°	858.3	891.1	1017.2	1167.9	1318.6	1254.7	1189.2	907.5	538.9	301.4	63.9
45°	966.4	987.7	1099.1	1267.8	1434.9	1369.4	1302.2	976.2	550.4	306.3	60.6
47.5°	1084.4	1095.8	1197.4	1407.0	1616.7	1526.6	1436.5	1071.3	574.9	316.1	57.3
50°	1220.3	1220.3	1318.6	1544.6	1770.7	1677.3	1583.9	1182.6	606.1	330.9	55.7
52.5°	1349.7	1367.7	1443.1	1674.0	1905.0	1818.2	1729.7	1305.5	647.0	350.5	52.4
55°	1482.4	1539.7	1567.6	1803.4	2039.3	1939.4	1839.5	1395.6	671.6	360.4	49.1
57.5°	1646.2	1706.8	1721.5	1921.4	2121.2	2024.6	1926.3	1472.6	689.6	368.5	47.5
60°	1795.2	1864.0	1893.5	2040.9	2186.7	2086.8	1986.9	1539.7	706.0	375.1	42.6
62.5°	1932.8	1985.3	2031.1	2126.1	2221.1	2127.8	2032.8	1598.7	715.8	376.7	37.7
65°	2032.8	2080.3	2145.8	2199.8	2253.9	2183.5	2113.0	1700.2	743.7	386.6	27.8
67.5°	2201.5	2206.4	2244.1	2288.3	2332.5	2294.8	2257.2	1841.1	776.4	399.7	21.3
70°	2543.8	2488.1	2439.0	2483.2	2525.8	2473.4	2421.0	1882.1	701.1	358.7	16.4
72.5°	2979.5	3072.9	2835.4	2743.6	2650.3	2457.0	2262.1	1620.0	498.0	255.5	13.1
75°	2873.0	3346.4	3112.2	2743.6	2375.1	2077.0	1777.2	1215.4	306.3	158.9	9.8
77.5°	2270.3	2778.0	2694.5	2314.5	1932.8	1565.9	1199.0	746.9	108.1	59.0	9.8
80°	1433.2	1921.4	1849.3	1503.7	1156.4	822.3	488.1	227.7	40.9	26.2	11.5
82.5°	869.8	1145.0	899.3	563.5	227.7	160.5	93.4	49.1	13.1	11.5	9.8
85°	422.6	473.4	309.6	178.5	45.9	42.6	37.7	24.6	6.6	6.6	4.9
87.5°	59.0	42.6	26.2	18.0	8.2	8.2	8.2	4.9	4.9	4.9	3.3
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°	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5	1074.5
2.5°	1012.3	999.2	984.4	969.7	953.3	936.9	889.4	840.3	814.1	786.2	779.7
5°	900.9	846.8	779.7	710.9	681.4	651.9	637.2	620.8	611.0	599.5	589.7
7.5°	660.1	583.1	583.1	581.5	556.9	532.3	504.5	475.0	457.0	439.0	391.5
10°	471.7	429.2	399.7	370.2	358.7	347.3	311.2	273.5	276.8	278.5	268.6
12.5°	365.3	350.5	296.5	242.4	224.4	206.4	194.9	183.5	167.1	150.7	139.2
15°	312.9	240.8	199.8	158.9	140.9	121.2	104.8	86.8	81.9	75.3	83.5
17.5°	257.2	194.9	155.6	116.3	90.1	63.9	67.2	70.4	77.0	83.5	86.8
20°	221.1	147.4	113.0	78.6	70.4	62.2	65.5	67.2	65.5	62.2	72.1
22.5°	180.2	114.7	86.8	57.3	59.0	60.6	55.7	50.8	60.6	70.4	70.4
25°	154.0	75.3	67.2	59.0	54.1	49.1	55.7	60.6	57.3	54.1	62.2
27.5°	140.9	65.5	57.3	49.1	50.8	52.4	50.8	47.5	52.4	57.3	55.7
30°	134.3	60.6	55.7	49.1	47.5	44.2	45.9	45.9	44.2	42.6	47.5
32.5°	108.1	62.2	54.1	44.2	42.6	39.3	37.7	36.0	37.7	39.3	40.9
35°	86.8	57.3	50.8	42.6	39.3	36.0	34.4	31.1	31.1	31.1	32.8
37.5°	70.4	52.4	45.9	37.7	34.4	31.1	29.5	26.2	26.2	26.2	26.2
40°	62.2	49.1	42.6	34.4	31.1	26.2	24.6	21.3	21.3	19.7	19.7
42.5°	54.1	44.2	37.7	29.5	26.2	22.9	19.7	16.4	16.4	14.7	14.7
45°	50.8	40.9	34.4	27.8	22.9	18.0	16.4	13.1	13.1	11.5	11.5
47.5°	49.1	39.3	32.8	24.6	19.7	14.7	13.1	9.8	9.8	9.8	9.8
50°	45.9	36.0	29.5	21.3	18.0	13.1	11.5	8.2	8.2	8.2	8.2
52.5°	44.2	34.4	26.2	18.0	14.7	9.8	8.2	6.6	6.6	6.6	6.6
55°	42.6	36.0	26.2	16.4	13.1	8.2	6.6	4.9	4.9	4.9	4.9
57.5°	40.9	34.4	24.6	13.1	9.8	6.6	4.9	3.3	3.3	3.3	3.3
60°	36.0	29.5	19.7	9.8	8.2	4.9	3.3	1.6	3.3	3.3	3.3
62.5°	31.1	22.9	16.4	8.2	6.6	3.3	3.3	1.6	3.3	3.3	3.3
65°	22.9	18.0	13.1	6.6	4.9	1.6	1.6	1.6	3.3	3.3	3.3
67.5°	18.0	13.1	9.8	4.9	3.3	1.6	1.6	1.6	3.3	3.3	3.3
70°	13.1	9.8	6.6	3.3	3.3	1.6	1.6	1.6	3.3	3.3	3.3
72.5°	9.8	6.6	4.9	3.3	3.3	1.6	3.3	3.3	3.3	3.3	3.3
75°	8.2	6.6	4.9	3.3	3.3	1.6	3.3	3.3	4.9	4.9	4.9
77.5°	8.2	4.9	4.9	3.3	3.3	1.6	3.3	4.9	4.9	4.9	4.9
80°	8.2	4.9	4.9	3.3	3.3	1.6	3.3	4.9	4.9	4.9	4.9
82.5°	8.2	4.9	4.9	3.3	3.3	1.6	3.3	4.9	4.9	4.9	4.9
85°	4.9	4.9	4.9	4.9	3.3	1.6	4.9	6.6	6.6	4.9	4.9
87.5°	3.3	3.3	4.9	4.9	3.3	1.6	4.9	6.6	6.6	4.9	4.9
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):

	165°	170°	175°	180°
0°	1074.5	1074.5	1074.5	1074.5
2.5°	771.5	763.3	753.5	773.1
5°	579.9	573.3	566.7	578.2
7.5°	344.0	345.6	345.6	327.6
10°	257.2	242.4	226.0	226.0
12.5°	127.8	117.9	108.1	106.5
15°	91.7	93.4	95.0	95.0
17.5°	90.1	86.8	81.9	78.6
20°	80.3	83.5	85.2	85.2
22.5°	70.4	68.8	65.5	65.5
25°	70.4	72.1	73.7	73.7
27.5°	54.1	54.1	52.4	52.4
30°	52.4	52.4	52.4	52.4
32.5°	40.9	42.6	42.6	42.6
35°	34.4	34.4	34.4	34.4
37.5°	26.2	26.2	26.2	24.6
40°	19.7	19.7	19.7	19.7
42.5°	14.7	14.7	14.7	14.7
45°	11.5	11.5	11.5	11.5
47.5°	9.8	9.8	8.2	8.2
50°	6.6	6.6	6.6	6.6
52.5°	4.9	4.9	4.9	4.9
55°	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3
60°	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6
72.5°	3.3	3.3	1.6	1.6
75°	3.3	3.3	1.6	1.6
77.5°	3.3	3.3	1.6	1.6
80°	3.3	3.3	1.6	1.6
82.5°	3.3	3.3	1.6	1.6
85°	3.3	3.3	3.3	1.6
87.5°	3.3	3.3	3.3	1.6
90°	0.0	0.0	0.0	0.0



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