

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208291

Luminaire Tested: UPW-SA1-060-730-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-730-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6606 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
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: 28.75 FT

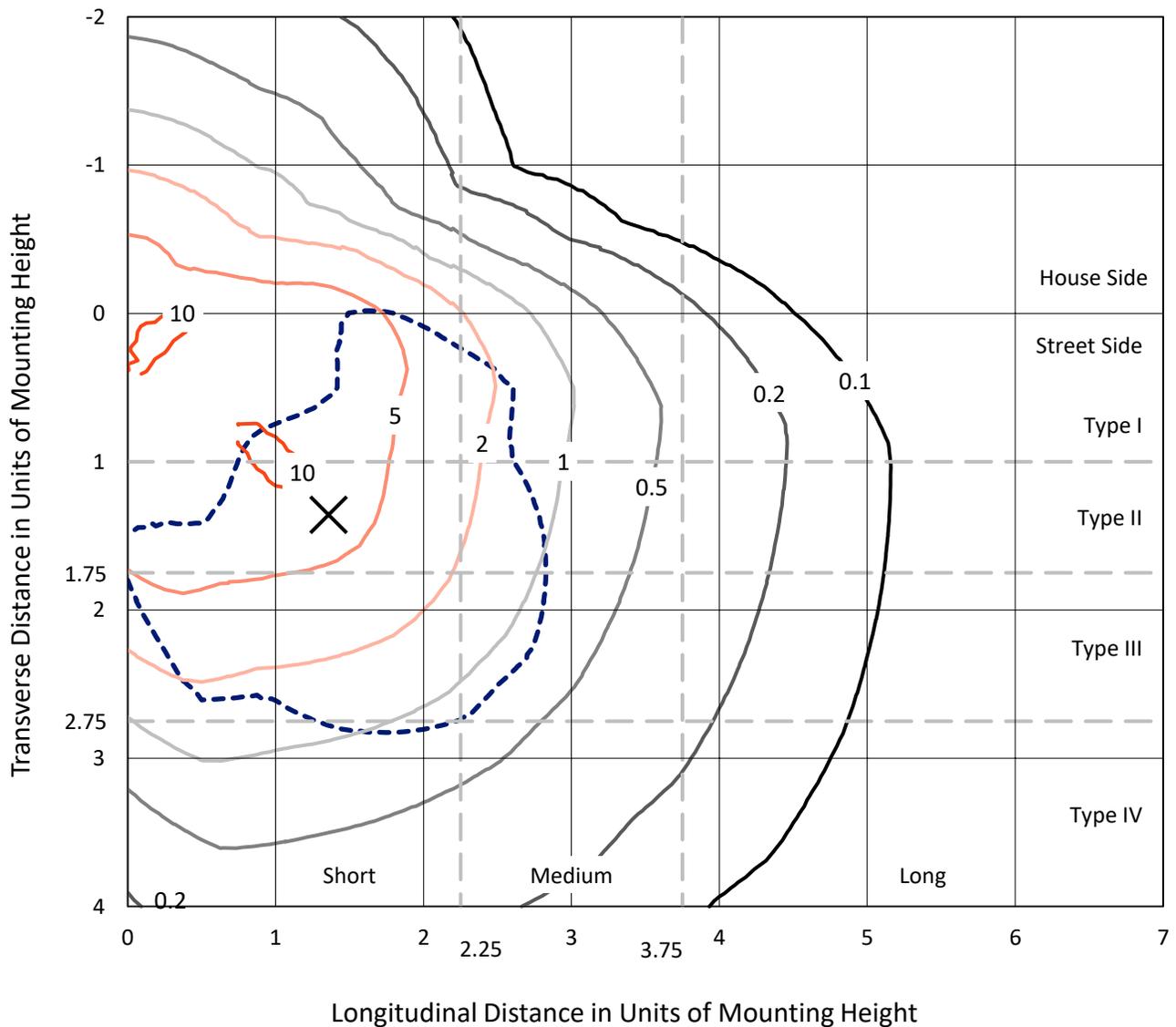


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

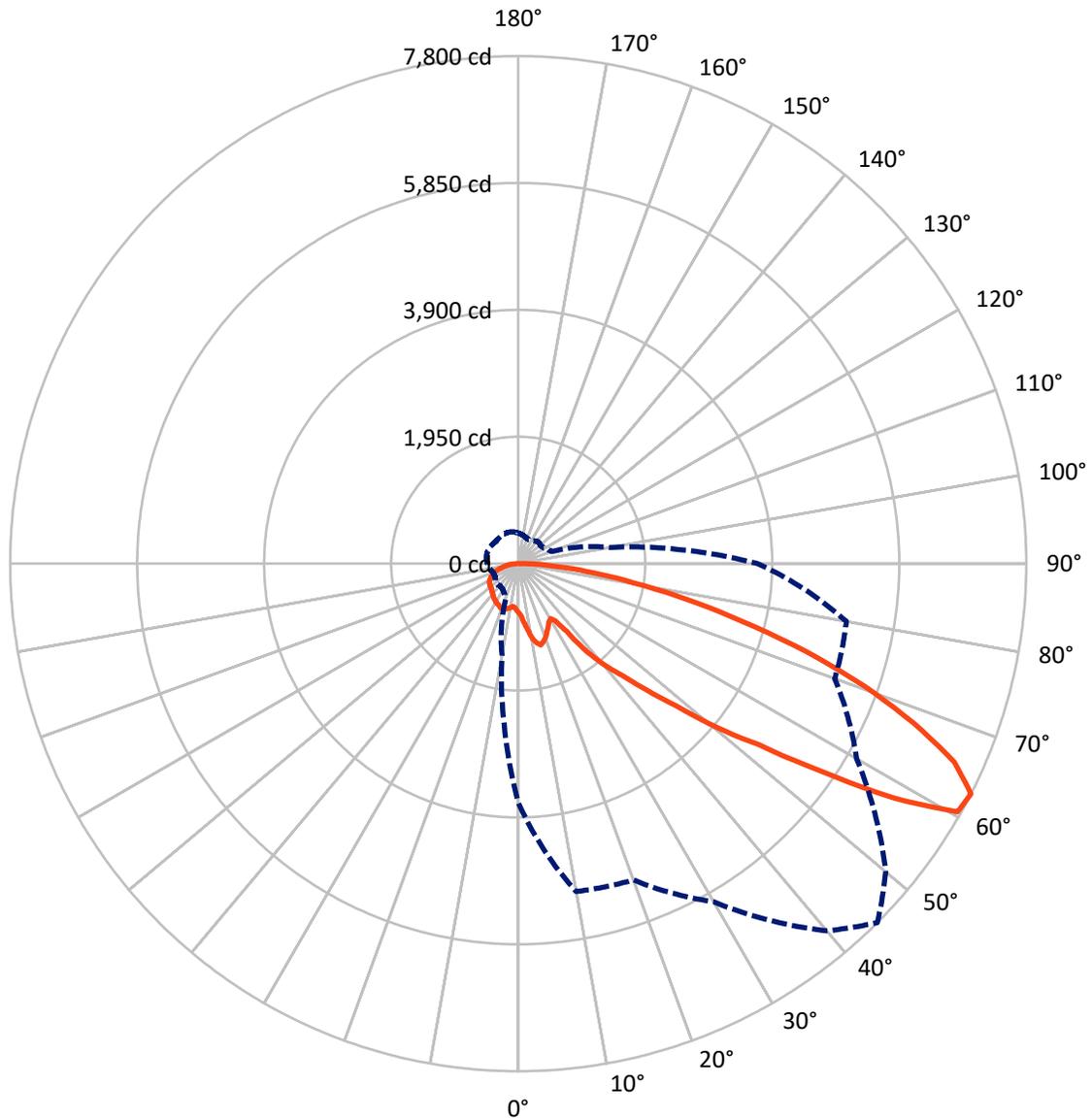


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1618.9	0.0	1618.9
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4987.1	0.0	4987.1
	% Fixture	75.5	0.0	75.5
Total	Lumens	6606.0	0.0	6606.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.1
10°-20°	253.4	3.8
20°-30°	412.2	6.2
30°-40°	562.2	8.5
40°-50°	851.3	12.9
50°-60°	1463.9	22.2
60°-70°	1716.7	26.0
70°-80°	1023.9	15.5
80°-90°	247.3	3.7
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°	6606.0	100.0
0°-180°	6606.0	100.0



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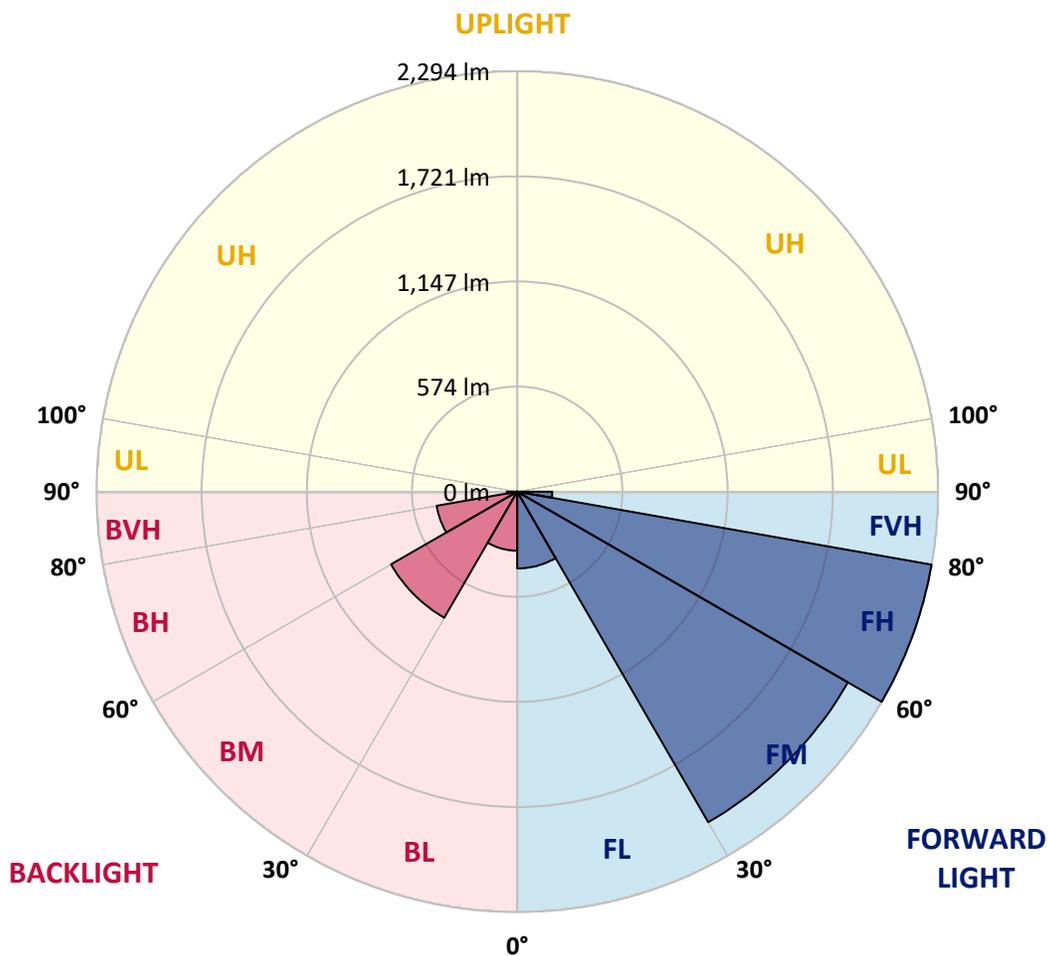
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	418.7	6.3			
FM	(30°-60°)	2082.8	31.5			
FH	(60°-80°)	2294.5	34.7			G2/5000
FVH	(80°-90°)	191.1	2.9			G2/225
BL	(0°-30°)	322.0	4.9	B1/500		
BM	(30°-60°)	794.6	12.0	B1/1000		
BH	(60°-80°)	446.1	6.8	B1/500		G1/500
BVH	(80°-90°)	56.2	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	784.0	787.3	790.7	792.1	793.5	794.8	796.2	797.2	798.3	795.8	798.3
5°	838.6	849.0	859.3	868.3	877.2	884.0	890.7	894.0	897.4	902.9	897.4
7.5°	912.8	926.9	941.1	960.5	980.0	993.2	1006.4	1012.1	1017.9	1019.5	1017.9
10°	966.7	1002.9	1039.1	1060.6	1082.1	1097.8	1113.6	1127.2	1140.7	1156.1	1140.7
12.5°	1032.1	1073.3	1114.4	1145.4	1176.4	1196.3	1216.3	1229.6	1243.1	1247.6	1243.1
15°	1096.7	1141.6	1186.5	1215.6	1244.7	1260.2	1275.7	1282.3	1289.0	1297.1	1289.0
17.5°	1167.9	1201.6	1235.2	1254.4	1273.6	1274.3	1274.9	1266.6	1258.3	1256.5	1258.3
20°	1218.5	1246.3	1274.2	1274.6	1274.9	1258.3	1241.7	1227.3	1212.9	1206.3	1212.9
22.5°	1255.8	1274.9	1294.0	1274.3	1254.6	1217.7	1180.8	1159.9	1138.9	1133.2	1138.9
25°	1306.3	1309.3	1312.2	1272.1	1232.1	1180.6	1129.1	1102.3	1075.3	1069.0	1075.3
27.5°	1338.8	1329.5	1320.1	1259.4	1198.5	1138.1	1077.7	1047.1	1016.4	1007.7	1016.4
30°	1386.1	1352.3	1318.5	1240.2	1161.9	1101.0	1040.2	1014.6	989.0	981.1	989.0
32.5°	1433.7	1377.4	1321.1	1237.2	1153.1	1110.8	1068.4	1061.4	1054.4	1049.0	1054.4
35°	1472.8	1409.6	1346.4	1283.1	1220.0	1226.4	1232.9	1255.6	1278.4	1277.9	1278.4
37.5°	1541.5	1476.8	1412.1	1401.6	1391.2	1472.8	1554.4	1619.9	1685.3	1719.4	1685.3
40°	1637.1	1591.7	1546.3	1584.1	1621.9	1735.3	1848.7	1926.2	2003.7	2060.4	2003.7
42.5°	1770.3	1744.5	1718.6	1766.0	1813.3	1937.7	2062.1	2167.8	2273.4	2352.8	2273.4
45°	1998.8	1972.1	1945.4	1968.0	1990.5	2146.2	2302.0	2467.5	2633.0	2772.8	2633.0
47.5°	2381.2	2319.2	2257.2	2238.3	2219.3	2429.2	2639.1	2880.9	3122.9	3266.7	3122.9
50°	2886.9	2790.0	2693.1	2604.7	2516.3	2812.4	3108.6	3460.9	3813.2	3961.4	3813.2
52.5°	3352.0	3263.0	3174.1	3018.7	2863.3	3213.7	3564.2	4021.7	4479.2	4621.4	4479.2
55°	3755.5	3792.7	3829.9	3619.6	3409.4	3798.2	4187.0	4773.1	5359.1	5609.9	5359.1
57.5°	4046.3	4377.2	4708.2	4483.4	4258.8	4621.7	4984.6	5681.2	6377.9	6797.8	6377.9
60°	3996.5	4659.7	5322.9	5223.2	5123.4	5433.5	5743.5	6499.4	7255.3	7745.7	7255.3
62.5°	3671.7	4393.4	5115.3	5143.4	5171.6	5585.6	5999.7	6683.0	7366.4	7800.3	7366.4
65°	3267.8	3947.2	4626.6	4668.3	4710.0	5188.8	5667.5	6337.8	7008.0	7358.1	7008.0
67.5°	2803.5	3510.0	4216.5	4241.7	4266.9	4704.5	5142.0	5745.3	6348.6	6549.7	6348.6
70°	2404.1	3077.1	3750.1	3805.3	3860.4	4242.5	4624.5	5071.2	5517.9	5632.8	5517.9
72.5°	1927.6	2604.5	3281.4	3365.7	3450.0	3729.9	4009.8	4322.1	4634.4	4623.6	4634.4
75°	1418.2	2052.5	2686.8	2803.5	2920.1	3091.8	3263.4	3428.3	3593.3	3546.5	3593.3
77.5°	983.3	1496.3	2009.4	2132.9	2256.4	2377.5	2498.6	2614.9	2731.1	2657.7	2731.1
80°	542.2	907.7	1273.3	1412.3	1551.4	1678.0	1804.4	1864.4	1924.4	1800.6	1924.4
82.5°	268.4	472.5	676.6	814.9	953.2	1081.5	1209.6	1247.2	1284.7	1166.4	1284.7
85°	105.6	208.0	310.4	413.7	516.9	617.9	718.9	722.7	726.7	641.5	726.7
87.5°	38.0	79.9	121.8	175.0	228.1	282.4	336.6	334.7	332.7	274.6	332.7
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°	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	797.2	796.2	794.8	793.5	792.1	790.7	787.3	784.0	781.9	781.2	778.5
5°	894.0	890.7	884.0	877.2	868.3	859.3	849.0	838.6	832.5	824.0	812.0
7.5°	1012.1	1006.4	993.2	980.0	960.5	941.1	926.9	912.8	885.1	861.7	842.4
10°	1127.2	1113.6	1097.8	1082.1	1060.6	1039.1	1002.9	966.7	943.8	916.5	883.8
12.5°	1229.6	1216.3	1196.3	1176.4	1145.4	1114.4	1073.3	1032.1	996.7	958.2	918.7
15°	1282.3	1275.7	1260.2	1244.7	1215.6	1186.5	1141.6	1096.7	1053.6	1005.1	953.0
17.5°	1266.6	1274.9	1274.3	1273.6	1254.4	1235.2	1201.6	1167.9	1104.9	1042.8	981.1
20°	1227.3	1241.7	1258.3	1274.9	1274.6	1274.2	1246.3	1218.5	1154.9	1087.6	1012.7
22.5°	1159.9	1180.8	1217.7	1254.6	1274.3	1294.0	1274.9	1255.8	1189.4	1117.0	1030.2
25°	1102.3	1129.1	1180.6	1232.1	1272.1	1312.2	1309.3	1306.3	1226.9	1142.2	1041.3
27.5°	1047.1	1077.7	1138.1	1198.5	1259.4	1320.1	1329.5	1338.8	1267.3	1185.6	1072.0
30°	1014.6	1040.2	1101.0	1161.9	1240.2	1318.5	1352.3	1386.1	1312.5	1225.5	1098.1
32.5°	1061.4	1068.4	1110.8	1153.1	1237.2	1321.1	1377.4	1433.7	1354.3	1259.6	1115.1
35°	1255.6	1232.9	1226.4	1220.0	1283.1	1346.4	1409.6	1472.8	1394.8	1294.9	1130.7
37.5°	1619.9	1554.4	1472.8	1391.2	1401.6	1412.1	1476.8	1541.5	1448.3	1329.6	1142.8
40°	1926.2	1848.7	1735.3	1621.9	1584.1	1546.3	1591.7	1637.1	1534.6	1391.7	1170.3
42.5°	2167.8	2062.1	1937.7	1813.3	1766.0	1718.6	1744.5	1770.3	1629.1	1449.3	1196.4
45°	2467.5	2302.0	2146.2	1990.5	1968.0	1945.4	1972.1	1998.8	1781.8	1529.3	1232.2
47.5°	2880.9	2639.1	2429.2	2219.3	2238.3	2257.2	2319.2	2381.2	2037.6	1658.0	1289.3
50°	3460.9	3108.6	2812.4	2516.3	2604.7	2693.1	2790.0	2886.9	2403.7	1863.9	1390.3
52.5°	4021.7	3564.2	3213.7	2863.3	3018.7	3174.1	3263.0	3352.0	2723.0	2030.5	1467.6
55°	4773.1	4187.0	3798.2	3409.4	3619.6	3829.9	3792.7	3755.5	2937.5	2098.7	1487.9
57.5°	5681.2	4984.6	4621.7	4258.8	4483.4	4708.2	4377.2	4046.3	2968.7	1973.2	1393.1
60°	6499.4	5743.5	5433.5	5123.4	5223.2	5322.9	4659.7	3996.5	2784.1	1697.4	1187.0
62.5°	6683.0	5999.7	5585.6	5171.6	5143.4	5115.3	4393.4	3671.7	2478.6	1425.7	986.4
65°	6337.8	5667.5	5188.8	4710.0	4668.3	4626.6	3947.2	3267.8	2139.4	1170.3	802.5
67.5°	5745.3	5142.0	4704.5	4266.9	4241.7	4216.5	3510.0	2803.5	1782.6	933.3	631.3
70°	5071.2	4624.5	4242.5	3860.4	3805.3	3750.1	3077.1	2404.1	1460.8	717.7	490.5
72.5°	4322.1	4009.8	3729.9	3450.0	3365.7	3281.4	2604.5	1927.6	1127.2	525.6	370.0
75°	3428.3	3263.4	3091.8	2920.1	2803.5	2686.8	2052.5	1418.2	811.2	370.6	273.6
77.5°	2614.9	2498.6	2377.5	2256.4	2132.9	2009.4	1496.3	983.3	558.7	258.5	201.5
80°	1864.4	1804.4	1678.0	1551.4	1412.3	1273.3	907.7	542.2	321.6	166.8	139.2
82.5°	1247.2	1209.6	1081.5	953.2	814.9	676.6	472.5	268.4	171.5	105.0	93.7
85°	722.7	718.9	617.9	516.9	413.7	310.4	208.0	105.6	77.5	58.9	55.8
87.5°	334.7	336.6	282.4	228.1	175.0	121.8	79.9	38.0	29.5	24.5	23.5
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°	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	775.7	770.8	765.9	762.5	758.9	754.9	748.4	745.2	741.9	738.8	735.7
5°	799.9	788.5	777.2	767.7	758.2	749.7	741.8	732.9	724.1	716.4	708.7
7.5°	823.1	804.8	786.6	772.6	758.5	745.3	732.2	721.8	711.3	702.8	694.3
10°	851.0	825.5	800.1	784.5	768.9	756.7	736.0	725.0	714.0	705.8	697.5
12.5°	879.1	846.9	814.9	792.2	769.6	752.6	744.0	738.9	733.8	727.8	721.9
15°	900.8	860.1	819.3	793.3	767.4	749.7	744.7	746.4	748.2	750.1	752.1
17.5°	919.3	866.3	813.2	782.7	752.3	734.9	743.0	748.9	754.6	763.5	772.4
20°	937.7	871.0	804.1	767.3	730.5	713.5	717.1	730.9	744.5	761.2	778.0
22.5°	943.5	864.3	785.1	743.5	701.9	685.1	699.6	716.5	733.2	750.7	768.1
25°	940.4	850.2	760.0	717.6	675.1	661.1	675.9	692.4	708.9	725.7	742.5
27.5°	958.4	853.7	748.9	701.9	654.8	639.7	653.9	667.8	681.8	696.5	711.3
30°	970.8	855.7	740.6	691.1	641.7	625.3	629.9	639.5	649.1	662.1	674.9
32.5°	970.6	845.9	721.1	674.7	628.2	613.5	618.1	622.0	626.0	635.3	644.5
35°	966.5	831.9	697.3	654.7	612.2	600.9	599.5	599.3	599.1	603.2	607.4
37.5°	956.0	811.2	666.3	625.7	585.1	576.9	573.8	571.3	568.6	571.3	574.0
40°	948.8	791.1	633.4	594.2	555.0	552.2	550.0	546.3	542.6	542.9	543.2
42.5°	943.5	774.4	605.4	567.8	530.2	524.9	519.0	517.2	515.4	514.5	513.4
45°	935.2	761.1	586.9	549.1	511.2	495.7	495.5	491.5	487.6	489.0	490.3
47.5°	920.7	747.2	573.6	539.4	505.1	480.6	471.4	469.4	467.3	469.5	471.7
50°	916.8	742.1	567.6	536.1	504.8	468.8	451.5	450.3	449.0	455.3	461.6
52.5°	904.7	729.3	553.8	529.6	505.3	469.5	446.1	442.9	439.6	448.9	458.1
55°	877.0	703.0	529.0	520.0	511.0	489.8	448.9	438.3	427.8	439.1	450.3
57.5°	813.2	663.6	514.0	508.4	502.7	503.1	456.8	436.7	416.7	427.8	438.9
60°	676.4	589.9	503.3	486.4	469.5	485.8	458.5	435.1	411.8	418.2	424.6
62.5°	547.0	506.0	464.9	451.4	437.9	457.0	447.2	427.4	407.7	406.9	406.2
65°	434.7	426.6	418.4	415.5	412.5	417.5	423.0	410.1	397.2	391.4	385.7
67.5°	329.4	336.7	344.0	358.3	372.7	374.7	387.6	380.5	373.4	369.0	364.5
70°	263.2	273.2	283.1	304.3	325.6	335.9	347.5	348.5	349.3	346.1	342.7
72.5°	214.5	223.1	231.8	255.8	279.8	302.3	314.8	314.8	314.9	313.3	311.7
75°	176.6	183.0	189.4	211.6	233.9	262.4	275.4	276.7	277.9	276.9	276.0
77.5°	144.5	147.6	150.7	171.0	191.2	224.8	238.3	241.3	244.4	243.2	242.0
80°	111.5	113.6	115.8	132.6	149.5	179.4	195.1	199.5	203.9	203.6	203.2
82.5°	82.3	83.5	84.8	97.5	110.4	131.8	148.7	155.5	162.4	167.4	172.4
85°	52.8	53.4	54.0	62.1	70.1	83.4	100.5	113.2	125.9	135.1	144.3
87.5°	22.3	21.6	20.8	25.0	28.9	36.2	57.0	69.9	82.8	87.6	92.3
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	732.7	729.8	727.5	725.3	721.0	716.7	714.3	711.8	711.0	710.2	712.0
5°	703.9	699.1	694.0	688.8	684.8	680.8	677.7	674.6	673.3	672.0	672.4
7.5°	687.4	680.5	675.6	670.7	669.7	668.9	666.8	664.8	664.6	664.4	665.0
10°	691.1	684.9	681.5	678.1	677.0	675.9	675.8	675.6	677.7	679.8	681.5
12.5°	715.5	709.3	709.5	709.8	704.4	699.1	697.7	696.3	699.0	701.5	702.4
15°	750.4	748.7	742.6	736.4	730.1	723.6	721.6	719.4	719.2	719.1	718.2
17.5°	776.0	779.7	772.5	765.2	754.9	744.7	739.9	735.1	733.0	730.9	729.8
20°	784.1	790.3	783.3	776.3	764.8	753.4	745.8	738.2	737.1	736.0	736.0
22.5°	773.6	779.0	775.1	771.1	758.8	746.4	738.2	730.0	726.5	723.1	724.6
25°	750.1	757.8	756.8	756.0	743.1	730.3	721.3	712.3	710.6	708.9	708.4
27.5°	719.9	728.5	729.7	730.9	721.3	711.7	703.3	694.8	693.4	691.9	693.8
30°	683.8	692.6	695.7	698.7	692.6	686.6	680.8	675.1	675.4	675.6	678.5
32.5°	652.9	661.3	666.0	670.7	669.7	668.7	666.5	664.3	661.3	658.4	659.3
35°	615.0	622.7	631.8	640.8	642.0	643.2	644.0	644.9	644.9	644.9	647.3
37.5°	580.6	587.3	596.6	606.1	612.8	619.5	622.6	625.7	628.1	630.5	631.5
40°	549.2	555.2	564.0	572.9	585.4	597.8	604.7	611.6	611.9	612.2	610.7
42.5°	518.5	523.6	537.0	550.4	564.3	578.2	584.3	590.4	593.1	595.8	596.4
45°	496.8	503.1	514.7	526.4	542.3	558.3	565.9	573.5	574.8	576.2	575.8
47.5°	478.2	484.7	498.9	513.1	528.7	544.2	552.3	560.3	561.5	562.7	563.7
50°	468.9	476.3	488.6	500.9	517.5	534.1	545.2	556.3	555.9	555.5	552.6
52.5°	463.7	469.4	480.9	492.4	510.6	528.7	539.5	550.1	551.1	552.1	550.4
55°	457.1	464.0	476.8	489.5	505.6	521.8	532.1	542.5	543.5	544.7	541.4
57.5°	450.7	462.5	475.4	488.3	504.9	521.3	530.2	539.1	537.1	535.1	532.6
60°	441.5	458.5	470.6	482.8	498.2	513.4	519.6	525.6	523.3	520.8	515.4
62.5°	424.3	442.4	456.3	470.3	484.2	498.2	502.4	506.8	504.5	502.2	496.0
65°	401.7	417.7	432.5	447.4	458.9	470.4	475.7	481.0	477.2	473.4	467.2
67.5°	380.1	395.7	407.1	418.6	430.0	441.5	445.8	450.2	446.0	441.8	433.7
70°	354.2	365.6	380.3	395.0	401.3	407.7	410.1	412.5	408.5	404.6	399.4
72.5°	323.0	334.3	343.9	353.6	359.6	365.6	368.4	371.2	366.8	362.3	355.4
75°	285.6	295.3	304.2	313.0	319.5	325.9	327.6	329.3	323.7	318.2	310.9
77.5°	247.9	253.8	257.6	261.3	268.7	276.1	277.5	278.9	274.7	270.6	263.8
80°	206.0	208.8	209.7	210.8	216.2	221.6	223.1	224.6	222.6	220.6	215.0
82.5°	174.2	176.1	168.0	159.8	164.2	168.5	171.9	175.1	174.2	173.3	168.7
85°	138.9	133.5	112.5	91.5	99.8	108.2	113.7	119.2	120.2	121.1	117.8
87.5°	85.0	77.7	62.3	46.9	53.6	60.4	65.9	71.5	67.8	64.2	56.8
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	713.7	716.1	713.7	712.0	710.2	711.0	711.8	714.3	716.7	721.0	725.3
5°	672.7	672.5	672.7	672.4	672.0	673.3	674.6	677.7	680.8	684.8	688.8
7.5°	665.5	662.9	665.5	665.0	664.4	664.6	664.8	666.8	668.9	669.7	670.7
10°	683.2	682.1	683.2	681.5	679.8	677.7	675.6	675.8	675.9	677.0	678.1
12.5°	703.4	701.3	703.4	702.4	701.5	699.0	696.3	697.7	699.1	704.4	709.8
15°	717.2	716.1	717.2	718.2	719.1	719.2	719.4	721.6	723.6	730.1	736.4
17.5°	728.8	730.1	728.8	729.8	730.9	733.0	735.1	739.9	744.7	754.9	765.2
20°	735.9	735.3	735.9	736.0	736.0	737.1	738.2	745.8	753.4	764.8	776.3
22.5°	726.1	730.9	726.1	724.6	723.1	726.5	730.0	738.2	746.4	758.8	771.1
25°	708.0	705.8	708.0	708.4	708.9	710.6	712.3	721.3	730.3	743.1	756.0
27.5°	695.6	696.9	695.6	693.8	691.9	693.4	694.8	703.3	711.7	721.3	730.9
30°	681.4	686.6	681.4	678.5	675.6	675.4	675.1	680.8	686.6	692.6	698.7
32.5°	660.4	664.4	660.4	659.3	658.4	661.3	664.3	666.5	668.7	669.7	670.7
35°	649.7	654.8	649.7	647.3	644.9	644.9	644.9	644.0	643.2	642.0	640.8
37.5°	632.5	632.7	632.5	631.5	630.5	628.1	625.7	622.6	619.5	612.8	606.1
40°	609.2	609.8	609.2	610.7	612.2	611.9	611.6	604.7	597.8	585.4	572.9
42.5°	597.1	598.7	597.1	596.4	595.8	593.1	590.4	584.3	578.2	564.3	550.4
45°	575.5	573.6	575.5	575.8	576.2	574.8	573.5	565.9	558.3	542.3	526.4
47.5°	564.6	566.2	564.6	563.7	562.7	561.5	560.3	552.3	544.2	528.7	513.1
50°	549.6	548.5	549.6	552.6	555.5	555.9	556.3	545.2	534.1	517.5	500.9
52.5°	548.7	549.3	548.7	550.4	552.1	551.1	550.1	539.5	528.7	510.6	492.4
55°	538.2	536.0	538.2	541.4	544.7	543.5	542.5	532.1	521.8	505.6	489.5
57.5°	530.1	530.8	530.1	532.6	535.1	537.1	539.1	530.2	521.3	504.9	488.3
60°	510.0	505.7	510.0	515.4	520.8	523.3	525.6	519.6	513.4	498.2	482.8
62.5°	489.8	482.1	489.8	496.0	502.2	504.5	506.8	502.4	498.2	484.2	470.3
65°	461.0	457.0	461.0	467.2	473.4	477.2	481.0	475.7	470.4	458.9	447.4
67.5°	425.6	419.3	425.6	433.7	441.8	446.0	450.2	445.8	441.5	430.0	418.6
70°	394.2	389.8	394.2	399.4	404.6	408.5	412.5	410.1	407.7	401.3	395.0
72.5°	348.5	344.0	348.5	355.4	362.3	366.8	371.2	368.4	365.6	359.6	353.6
75°	303.8	297.5	303.8	310.9	318.2	323.7	329.3	327.6	325.9	319.5	313.0
77.5°	257.1	251.0	257.1	263.8	270.6	274.7	278.9	277.5	276.1	268.7	261.3
80°	209.5	201.5	209.5	215.0	220.6	222.6	224.6	223.1	221.6	216.2	210.8
82.5°	164.0	157.2	164.0	168.7	173.3	174.2	175.1	171.9	168.5	164.2	159.8
85°	114.6	109.3	114.6	117.8	121.1	120.2	119.2	113.7	108.2	99.8	91.5
87.5°	49.5	41.3	49.5	56.8	64.2	67.8	71.5	65.9	60.4	53.6	46.9
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	727.5	729.8	732.7	735.7	738.8	741.9	745.2	748.4	754.9	758.9	762.5
5°	694.0	699.1	703.9	708.7	716.4	724.1	732.9	741.8	749.7	758.2	767.7
7.5°	675.6	680.5	687.4	694.3	702.8	711.3	721.8	732.2	745.3	758.5	772.6
10°	681.5	684.9	691.1	697.5	705.8	714.0	725.0	736.0	756.7	768.9	784.5
12.5°	709.5	709.3	715.5	721.9	727.8	733.8	738.9	744.0	752.6	769.6	792.2
15°	742.6	748.7	750.4	752.1	750.1	748.2	746.4	744.7	749.7	767.4	793.3
17.5°	772.5	779.7	776.0	772.4	763.5	754.6	748.9	743.0	734.9	752.3	782.7
20°	783.3	790.3	784.1	778.0	761.2	744.5	730.9	717.1	713.5	730.5	767.3
22.5°	775.1	779.0	773.6	768.1	750.7	733.2	716.5	699.6	685.1	701.9	743.5
25°	756.8	757.8	750.1	742.5	725.7	708.9	692.4	675.9	661.1	675.1	717.6
27.5°	729.7	728.5	719.9	711.3	696.5	681.8	667.8	653.9	639.7	654.8	701.9
30°	695.7	692.6	683.8	674.9	662.1	649.1	639.5	629.9	625.3	641.7	691.1
32.5°	666.0	661.3	652.9	644.5	635.3	626.0	622.0	618.1	613.5	628.2	674.7
35°	631.8	622.7	615.0	607.4	603.2	599.1	599.3	599.5	600.9	612.2	654.7
37.5°	596.6	587.3	580.6	574.0	571.3	568.6	571.3	573.8	576.9	585.1	625.7
40°	564.0	555.2	549.2	543.2	542.9	542.6	546.3	550.0	552.2	555.0	594.2
42.5°	537.0	523.6	518.5	513.4	514.5	515.4	517.2	519.0	524.9	530.2	567.8
45°	514.7	503.1	496.8	490.3	489.0	487.6	491.5	495.5	495.7	511.2	549.1
47.5°	498.9	484.7	478.2	471.7	469.5	467.3	469.4	471.4	480.6	505.1	539.4
50°	488.6	476.3	468.9	461.6	455.3	449.0	450.3	451.5	468.8	504.8	536.1
52.5°	480.9	469.4	463.7	458.1	448.9	439.6	442.9	446.1	469.5	505.3	529.6
55°	476.8	464.0	457.1	450.3	439.1	427.8	438.3	448.9	489.8	511.0	520.0
57.5°	475.4	462.5	450.7	438.9	427.8	416.7	436.7	456.8	503.1	502.7	508.4
60°	470.6	458.5	441.5	424.6	418.2	411.8	435.1	458.5	485.8	469.5	486.4
62.5°	456.3	442.4	424.3	406.2	406.9	407.7	427.4	447.2	457.0	437.9	451.4
65°	432.5	417.7	401.7	385.7	391.4	397.2	410.1	423.0	417.5	412.5	415.5
67.5°	407.1	395.7	380.1	364.5	369.0	373.4	380.5	387.6	374.7	372.7	358.3
70°	380.3	365.6	354.2	342.7	346.1	349.3	348.5	347.5	335.9	325.6	304.3
72.5°	343.9	334.3	323.0	311.7	313.3	314.9	314.8	314.8	302.3	279.8	255.8
75°	304.2	295.3	285.6	276.0	276.9	277.9	276.7	275.4	262.4	233.9	211.6
77.5°	257.6	253.8	247.9	242.0	243.2	244.4	241.3	238.3	224.8	191.2	171.0
80°	209.7	208.8	206.0	203.2	203.6	203.9	199.5	195.1	179.4	149.5	132.6
82.5°	168.0	176.1	174.2	172.4	167.4	162.4	155.5	148.7	131.8	110.4	97.5
85°	112.5	133.5	138.9	144.3	135.1	125.9	113.2	100.5	83.4	70.1	62.1
87.5°	62.3	77.7	85.0	92.3	87.6	82.8	69.9	57.0	36.2	28.9	25.0
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):

	330°	335°	340°	345°	350°	355°	360°
0°	752.3	752.3	752.3	752.3	752.3	752.3	752.3
2.5°	765.9	770.8	775.7	778.5	781.2	781.9	784.0
5°	777.2	788.5	799.9	812.0	824.0	832.5	838.6
7.5°	786.6	804.8	823.1	842.4	861.7	885.1	912.8
10°	800.1	825.5	851.0	883.8	916.5	943.8	966.7
12.5°	814.9	846.9	879.1	918.7	958.2	996.7	1032.1
15°	819.3	860.1	900.8	953.0	1005.1	1053.6	1096.7
17.5°	813.2	866.3	919.3	981.1	1042.8	1104.9	1167.9
20°	804.1	871.0	937.7	1012.7	1087.6	1154.9	1218.5
22.5°	785.1	864.3	943.5	1030.2	1117.0	1189.4	1255.8
25°	760.0	850.2	940.4	1041.3	1142.2	1226.9	1306.3
27.5°	748.9	853.7	958.4	1072.0	1185.6	1267.3	1338.8
30°	740.6	855.7	970.8	1098.1	1225.5	1312.5	1386.1
32.5°	721.1	845.9	970.6	1115.1	1259.6	1354.3	1433.7
35°	697.3	831.9	966.5	1130.7	1294.9	1394.8	1472.8
37.5°	666.3	811.2	956.0	1142.8	1329.6	1448.3	1541.5
40°	633.4	791.1	948.8	1170.3	1391.7	1534.6	1637.1
42.5°	605.4	774.4	943.5	1196.4	1449.3	1629.1	1770.3
45°	586.9	761.1	935.2	1232.2	1529.3	1781.8	1998.8
47.5°	573.6	747.2	920.7	1289.3	1658.0	2037.6	2381.2
50°	567.6	742.1	916.8	1390.3	1863.9	2403.7	2886.9
52.5°	553.8	729.3	904.7	1467.6	2030.5	2723.0	3352.0
55°	529.0	703.0	877.0	1487.9	2098.7	2937.5	3755.5
57.5°	514.0	663.6	813.2	1393.1	1973.2	2968.7	4046.3
60°	503.3	589.9	676.4	1187.0	1697.4	2784.1	3996.5
62.5°	464.9	506.0	547.0	986.4	1425.7	2478.6	3671.7
65°	418.4	426.6	434.7	802.5	1170.3	2139.4	3267.8
67.5°	344.0	336.7	329.4	631.3	933.3	1782.6	2803.5
70°	283.1	273.2	263.2	490.5	717.7	1460.8	2404.1
72.5°	231.8	223.1	214.5	370.0	525.6	1127.2	1927.6
75°	189.4	183.0	176.6	273.6	370.6	811.2	1418.2
77.5°	150.7	147.6	144.5	201.5	258.5	558.7	983.3
80°	115.8	113.6	111.5	139.2	166.8	321.6	542.2
82.5°	84.8	83.5	82.3	93.7	105.0	171.5	268.4
85°	54.0	53.4	52.8	55.8	58.9	77.5	105.6
87.5°	20.8	21.6	22.3	23.5	24.5	29.5	38.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)