

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: P1208426

Luminaire Tested: UPW-SA1-060-827-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-827-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 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: 5333 lumens
Efficiency: N/A
Efficacy: 91.9 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): 58
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

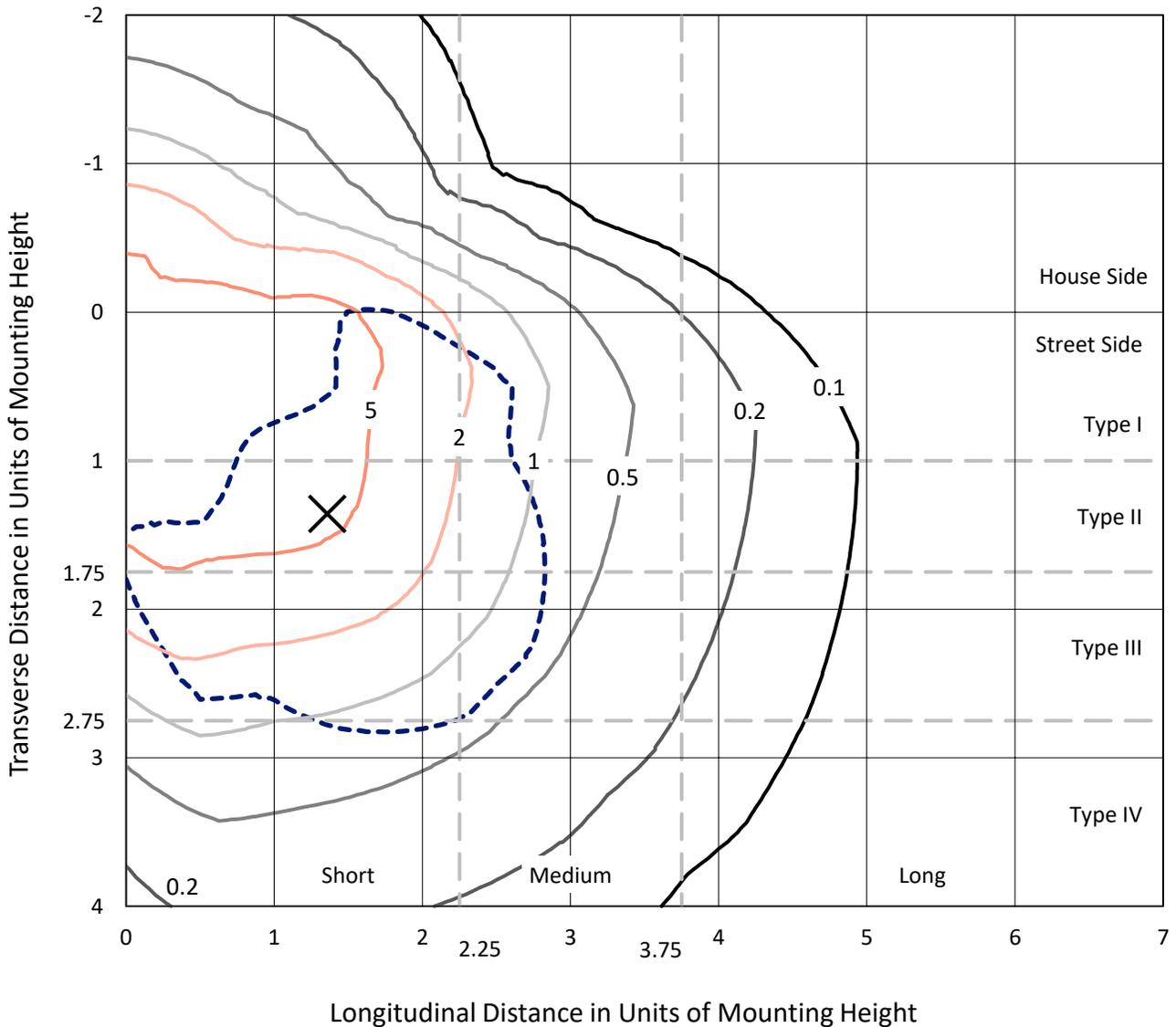


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

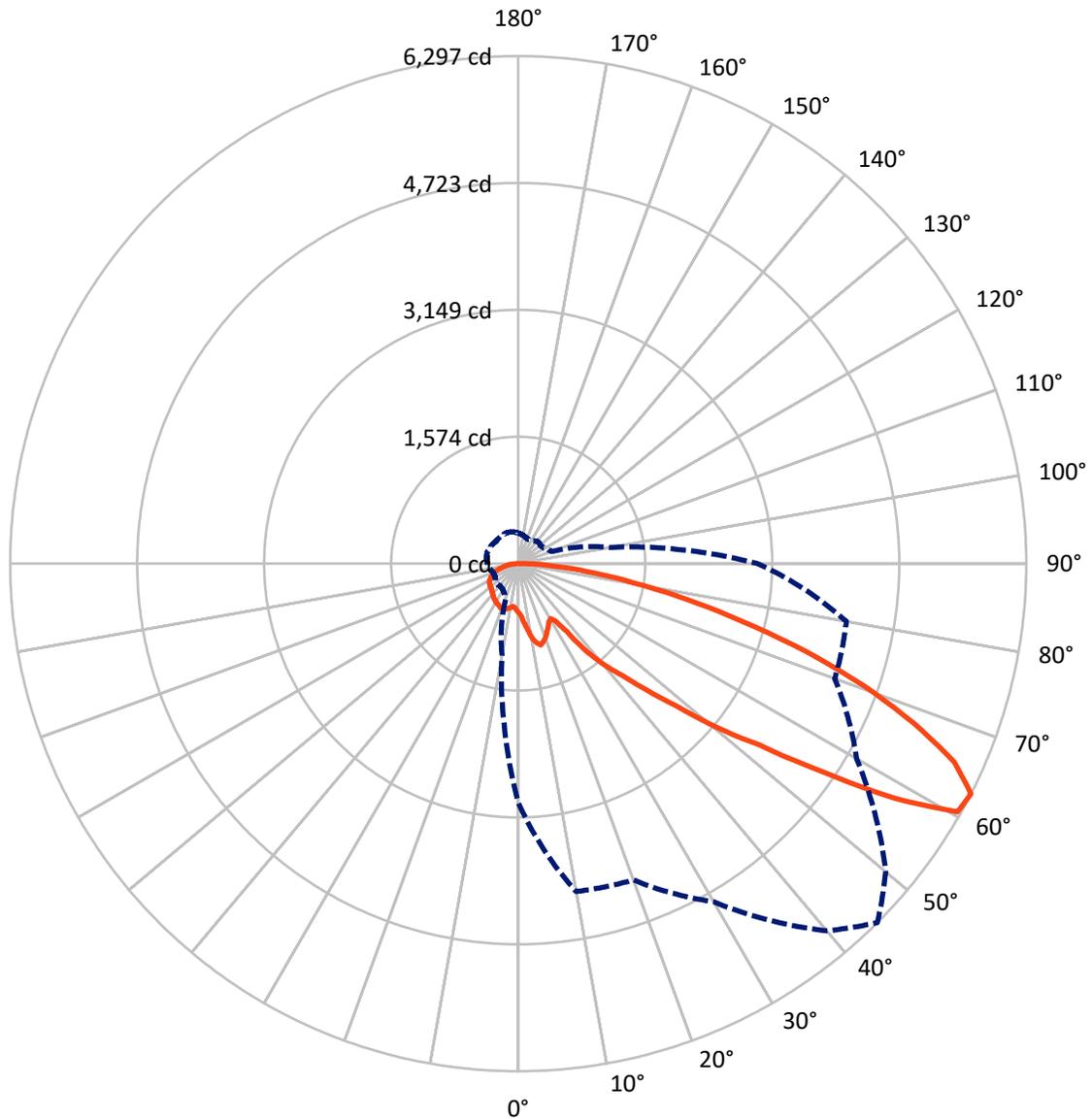


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Short - N/A

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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	1306.9	0.0	1306.9
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4026.1	0.0	4026.1
	% Fixture	75.5	0.0	75.5
Total	Lumens	5333.0	0.0	5333.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	1.1
10°-20°	204.6	3.8
20°-30°	332.8	6.2
30°-40°	453.9	8.5
40°-50°	687.2	12.9
50°-60°	1181.8	22.2
60°-70°	1385.9	26.0
70°-80°	826.6	15.5
80°-90°	199.7	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°	5333.0	100.0
0°-180°	5333.0	100.0



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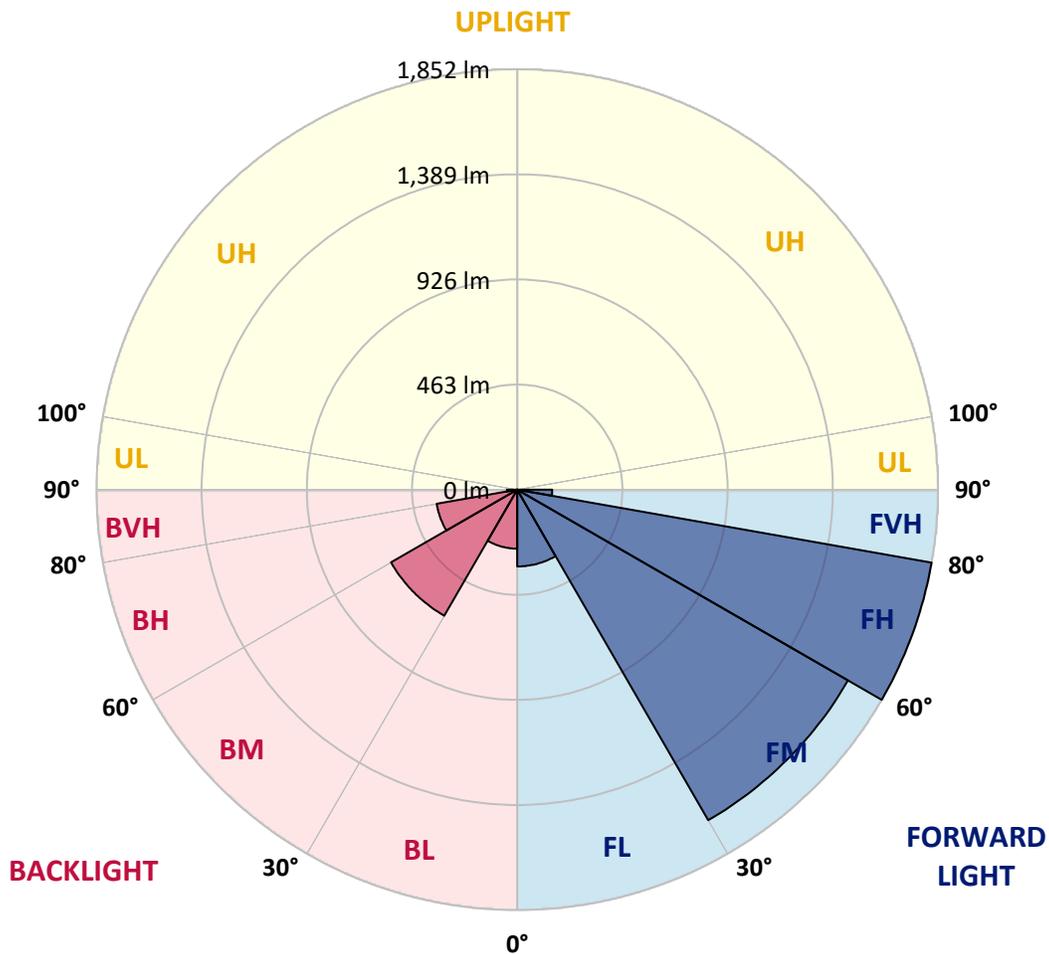
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	338.0	6.3			
FM	(30°-60°)	1681.4	31.5			
FH	(60°-80°)	1852.3	34.7			G2/5000
FVH	(80°-90°)	154.3	2.9			G2/225
BL	(0°-30°)	260.0	4.9	B1/500		
BM	(30°-60°)	641.5	12.0	B1/1000		
BH	(60°-80°)	360.1	6.8	B1/500		G1/500
BVH	(80°-90°)	45.4	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°	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	632.9	635.6	638.3	639.4	640.6	641.6	642.8	643.6	644.5	642.5	644.5
5°	677.0	685.4	693.7	700.9	708.1	713.6	719.1	721.7	724.5	728.9	724.5
7.5°	736.9	748.3	759.8	775.4	791.2	801.8	812.4	817.1	821.7	823.1	821.7
10°	780.4	809.6	838.8	856.2	873.6	886.3	899.0	909.9	920.9	933.3	920.9
12.5°	833.2	866.4	899.6	924.7	949.7	965.8	981.9	992.7	1003.5	1007.2	1003.5
15°	885.3	921.6	957.9	981.3	1004.8	1017.3	1029.9	1035.2	1040.6	1047.1	1040.6
17.5°	942.8	970.0	997.2	1012.7	1028.2	1028.7	1029.3	1022.5	1015.8	1014.4	1015.8
20°	983.7	1006.1	1028.7	1029.0	1029.3	1015.9	1002.4	990.8	979.1	973.8	979.1
22.5°	1013.8	1029.2	1044.6	1028.7	1012.9	983.1	953.3	936.3	919.4	914.8	919.4
25°	1054.6	1057.0	1059.4	1027.0	994.7	953.1	911.6	889.9	868.1	863.0	868.1
27.5°	1080.8	1073.3	1065.7	1016.7	967.6	918.8	870.0	845.3	820.5	813.5	820.5
30°	1119.0	1091.7	1064.4	1001.2	938.0	888.8	839.7	819.1	798.4	792.1	798.4
32.5°	1157.4	1112.0	1066.5	998.7	930.9	896.7	862.5	856.9	851.2	846.9	851.2
35°	1189.0	1138.0	1087.0	1035.9	984.9	990.0	995.3	1013.6	1032.1	1031.6	1032.1
37.5°	1244.4	1192.2	1140.0	1131.5	1123.1	1189.0	1254.8	1307.7	1360.5	1388.0	1360.5
40°	1321.6	1284.9	1248.3	1278.9	1309.4	1400.9	1492.5	1555.0	1617.6	1663.4	1617.6
42.5°	1429.2	1408.3	1387.4	1425.7	1463.9	1564.3	1664.7	1750.0	1835.3	1899.4	1835.3
45°	1613.6	1592.1	1570.5	1588.8	1606.9	1732.6	1858.4	1992.0	2125.6	2238.5	2125.6
47.5°	1922.3	1872.3	1822.2	1807.0	1791.6	1961.1	2130.5	2325.8	2521.1	2637.2	2521.1
50°	2330.6	2252.3	2174.1	2102.7	2031.4	2270.5	2509.6	2794.0	3078.4	3198.0	3078.4
52.5°	2706.1	2634.2	2562.4	2437.0	2311.5	2594.4	2877.4	3246.7	3616.1	3730.9	3616.1
55°	3031.8	3061.8	3091.8	2922.1	2752.4	3066.3	3380.1	3853.3	4326.4	4528.9	4326.4
57.5°	3266.6	3533.7	3800.9	3619.5	3438.1	3731.1	4024.1	4586.4	5148.9	5487.8	5148.9
60°	3226.4	3761.8	4297.2	4216.6	4136.1	4386.4	4636.7	5246.9	5857.1	6253.1	5857.1
62.5°	2964.1	3546.8	4129.6	4152.3	4175.0	4509.3	4843.6	5395.2	5946.8	6297.2	5946.8
65°	2638.1	3186.6	3735.0	3768.7	3802.4	4188.9	4575.4	5116.5	5657.5	5940.2	5657.5
67.5°	2263.2	2833.6	3404.0	3424.3	3444.7	3797.9	4151.1	4638.2	5125.2	5287.6	5125.2
70°	1940.8	2484.1	3027.5	3072.0	3116.5	3425.0	3733.4	4094.0	4454.6	4547.3	4454.6
72.5°	1556.1	2102.6	2649.0	2717.1	2785.1	3011.1	3237.1	3489.2	3741.3	3732.6	3741.3
75°	1144.9	1657.0	2169.1	2263.2	2357.4	2496.0	2634.5	2767.7	2900.9	2863.1	2900.9
77.5°	793.8	1208.0	1622.1	1721.9	1821.6	1919.4	2017.1	2111.0	2204.8	2145.5	2204.8
80°	437.7	732.8	1028.0	1140.2	1252.5	1354.6	1456.7	1505.2	1553.5	1453.6	1553.5
82.5°	216.6	381.4	546.2	657.9	769.5	873.1	976.5	1006.9	1037.1	941.7	1037.1
85°	85.2	167.9	250.6	334.0	417.3	498.8	580.4	583.5	586.6	517.9	586.6
87.5°	30.7	64.5	98.3	141.2	184.2	228.0	271.8	270.2	268.6	221.7	268.6
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°	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	643.6	642.8	641.6	640.6	639.4	638.3	635.6	632.9	631.3	630.7	628.5
5°	721.7	719.1	713.6	708.1	700.9	693.7	685.4	677.0	672.1	665.2	655.5
7.5°	817.1	812.4	801.8	791.2	775.4	759.8	748.3	736.9	714.5	695.6	680.1
10°	909.9	899.0	886.3	873.6	856.2	838.8	809.6	780.4	761.9	739.9	713.5
12.5°	992.7	981.9	965.8	949.7	924.7	899.6	866.4	833.2	804.6	773.6	741.6
15°	1035.2	1029.9	1017.3	1004.8	981.3	957.9	921.6	885.3	850.6	811.4	769.4
17.5°	1022.5	1029.3	1028.7	1028.2	1012.7	997.2	970.0	942.8	892.0	841.8	792.0
20°	990.8	1002.4	1015.9	1029.3	1029.0	1028.7	1006.1	983.7	932.4	878.0	817.6
22.5°	936.3	953.3	983.1	1012.9	1028.7	1044.6	1029.2	1013.8	960.2	901.7	831.7
25°	889.9	911.6	953.1	994.7	1027.0	1059.4	1057.0	1054.6	990.5	922.1	840.6
27.5°	845.3	870.0	918.8	967.6	1016.7	1065.7	1073.3	1080.8	1023.1	957.1	865.4
30°	819.1	839.7	888.8	938.0	1001.2	1064.4	1091.7	1119.0	1059.5	989.3	886.5
32.5°	856.9	862.5	896.7	930.9	998.7	1066.5	1112.0	1157.4	1093.3	1016.9	900.2
35°	1013.6	995.3	990.0	984.9	1035.9	1087.0	1138.0	1189.0	1126.0	1045.4	912.8
37.5°	1307.7	1254.8	1189.0	1123.1	1131.5	1140.0	1192.2	1244.4	1169.2	1073.4	922.6
40°	1555.0	1492.5	1400.9	1309.4	1278.9	1248.3	1284.9	1321.6	1238.9	1123.5	944.8
42.5°	1750.0	1664.7	1564.3	1463.9	1425.7	1387.4	1408.3	1429.2	1315.2	1170.0	965.8
45°	1992.0	1858.4	1732.6	1606.9	1588.8	1570.5	1592.1	1613.6	1438.5	1234.6	994.8
47.5°	2325.8	2130.5	1961.1	1791.6	1807.0	1822.2	1872.3	1922.3	1645.0	1338.5	1040.9
50°	2794.0	2509.6	2270.5	2031.4	2102.7	2174.1	2252.3	2330.6	1940.5	1504.7	1122.4
52.5°	3246.7	2877.4	2594.4	2311.5	2437.0	2562.4	2634.2	2706.1	2198.3	1639.3	1184.8
55°	3853.3	3380.1	3066.3	2752.4	2922.1	3091.8	3061.8	3031.8	2371.4	1694.3	1201.1
57.5°	4586.4	4024.1	3731.1	3438.1	3619.5	3800.9	3533.7	3266.6	2396.6	1592.9	1124.7
60°	5246.9	4636.7	4386.4	4136.1	4216.6	4297.2	3761.8	3226.4	2247.6	1370.3	958.2
62.5°	5395.2	4843.6	4509.3	4175.0	4152.3	4129.6	3546.8	2964.1	2001.0	1151.0	796.3
65°	5116.5	4575.4	4188.9	3802.4	3768.7	3735.0	3186.6	2638.1	1727.2	944.8	647.8
67.5°	4638.2	4151.1	3797.9	3444.7	3424.3	3404.0	2833.6	2263.2	1439.1	753.4	509.7
70°	4094.0	3733.4	3425.0	3116.5	3072.0	3027.5	2484.1	1940.8	1179.3	579.4	396.0
72.5°	3489.2	3237.1	3011.1	2785.1	2717.1	2649.0	2102.6	1556.1	909.9	424.3	298.7
75°	2767.7	2634.5	2496.0	2357.4	2263.2	2169.1	1657.0	1144.9	654.9	299.2	220.9
77.5°	2111.0	2017.1	1919.4	1821.6	1721.9	1622.1	1208.0	793.8	451.0	208.7	162.7
80°	1505.2	1456.7	1354.6	1252.5	1140.2	1028.0	732.8	437.7	259.6	134.7	112.3
82.5°	1006.9	976.5	873.1	769.5	657.9	546.2	381.4	216.6	138.4	84.7	75.6
85°	583.5	580.4	498.8	417.3	334.0	250.6	167.9	85.2	62.6	47.6	45.1
87.5°	270.2	271.8	228.0	184.2	141.2	98.3	64.5	30.7	23.8	19.8	19.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	626.3	622.3	618.3	615.5	612.7	609.4	604.2	601.6	599.0	596.5	593.9
5°	645.7	636.6	627.5	619.8	612.1	605.2	598.8	591.7	584.5	578.3	572.1
7.5°	664.5	649.7	635.0	623.7	612.4	601.6	591.1	582.7	574.2	567.4	560.5
10°	687.0	666.4	645.9	633.3	620.7	610.9	594.2	585.3	576.4	569.8	563.1
12.5°	709.7	683.7	657.8	639.5	621.3	607.6	600.6	596.5	592.4	587.6	582.8
15°	727.2	694.3	661.4	640.4	619.5	605.2	601.2	602.6	604.0	605.6	607.2
17.5°	742.1	699.3	656.5	631.9	607.3	593.3	599.8	604.6	609.2	616.4	623.5
20°	757.0	703.1	649.1	619.5	589.7	576.0	578.9	590.0	601.0	614.5	628.0
22.5°	761.7	697.8	633.8	600.2	566.7	553.1	564.8	578.4	591.9	606.1	620.1
25°	759.2	686.3	613.6	579.3	545.0	533.7	545.6	559.0	572.3	585.9	599.4
27.5°	773.7	689.2	604.6	566.7	528.6	516.4	527.9	539.1	550.4	562.3	574.2
30°	783.7	690.8	597.9	558.0	518.0	504.8	508.6	516.3	524.0	534.5	544.8
32.5°	783.6	682.9	582.2	544.7	507.2	495.3	499.0	502.2	505.4	512.8	520.3
35°	780.3	671.6	562.9	528.6	494.2	485.1	484.0	483.8	483.6	487.0	490.4
37.5°	771.8	654.9	537.9	505.1	472.3	465.8	463.3	461.2	459.0	461.2	463.4
40°	766.0	638.7	511.4	479.7	448.1	445.8	444.0	441.0	438.0	438.3	438.5
42.5°	761.7	625.2	488.7	458.4	428.0	423.7	419.0	417.5	416.1	415.3	414.5
45°	755.0	614.4	473.8	443.3	412.7	400.2	400.0	396.8	393.6	394.8	395.9
47.5°	743.3	603.2	463.1	435.4	407.8	388.0	380.6	378.9	377.3	379.0	380.8
50°	740.1	599.1	458.2	432.8	407.5	378.4	364.5	363.5	362.5	367.6	372.6
52.5°	730.4	588.8	447.1	427.6	408.0	379.0	360.2	357.5	354.9	362.4	369.8
55°	708.0	567.5	427.0	419.8	412.5	395.4	362.4	353.8	345.4	354.5	363.5
57.5°	656.5	535.7	414.9	410.4	405.9	406.2	368.8	352.6	336.4	345.4	354.3
60°	546.0	476.2	406.3	392.7	379.0	392.2	370.1	351.3	332.4	337.6	342.8
62.5°	441.6	408.5	375.3	364.4	353.5	368.9	361.0	345.1	329.1	328.5	327.9
65°	350.9	344.4	337.8	335.4	333.0	337.0	341.5	331.1	320.6	316.0	311.4
67.5°	265.9	271.8	277.7	289.3	300.9	302.5	312.9	307.2	301.4	297.9	294.3
70°	212.5	220.5	228.6	245.7	262.8	271.2	280.5	281.3	282.0	279.4	276.7
72.5°	173.1	180.1	187.1	206.5	225.9	244.1	254.1	254.1	254.2	252.9	251.6
75°	142.6	147.7	152.9	170.8	188.8	211.9	222.4	223.4	224.4	223.6	222.8
77.5°	116.7	119.2	121.7	138.0	154.4	181.5	192.4	194.8	197.3	196.3	195.4
80°	90.0	91.7	93.5	107.0	120.7	144.8	157.5	161.1	164.6	164.4	164.0
82.5°	66.5	67.4	68.4	78.7	89.1	106.4	120.0	125.6	131.1	135.2	139.2
85°	42.6	43.1	43.6	50.1	56.6	67.3	81.2	91.4	101.6	109.1	116.5
87.5°	18.0	17.4	16.8	20.1	23.4	29.2	46.0	56.4	66.9	70.7	74.5
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	591.5	589.1	587.3	585.6	582.0	578.6	576.6	574.6	574.0	573.3	574.8
5°	568.3	564.4	560.2	556.1	552.8	549.6	547.1	544.6	543.5	542.5	542.8
7.5°	554.9	549.4	545.4	541.5	540.7	540.0	538.3	536.7	536.5	536.4	536.9
10°	558.0	553.0	550.2	547.4	546.5	545.6	545.6	545.4	547.1	548.8	550.2
12.5°	577.6	572.6	572.8	573.0	568.7	564.4	563.3	562.1	564.3	566.3	567.1
15°	605.8	604.4	599.5	594.5	589.4	584.2	582.5	580.8	580.6	580.5	579.8
17.5°	626.5	629.5	623.6	617.7	609.5	601.2	597.3	593.5	591.8	590.0	589.2
20°	633.0	638.0	632.3	626.7	617.4	608.2	602.1	596.0	595.1	594.2	594.1
22.5°	624.5	628.9	625.7	622.5	612.6	602.5	595.9	589.3	586.5	583.8	585.0
25°	605.6	611.8	611.0	610.3	599.9	589.5	582.3	575.0	573.6	572.3	571.9
27.5°	581.1	588.1	589.1	590.0	582.3	574.5	567.7	560.9	559.7	558.6	560.1
30°	552.0	559.2	561.7	564.1	559.2	554.3	549.6	545.0	545.3	545.4	547.8
32.5°	527.1	533.9	537.6	541.5	540.6	539.8	538.1	536.3	533.9	531.5	532.3
35°	496.5	502.7	510.0	517.3	518.3	519.2	519.9	520.6	520.6	520.6	522.6
37.5°	468.7	474.1	481.7	489.3	494.7	500.1	502.7	505.1	507.1	509.0	509.8
40°	443.4	448.2	455.3	462.5	472.6	482.6	488.2	493.8	494.0	494.2	493.0
42.5°	418.6	422.7	433.5	444.3	455.6	466.8	471.7	476.7	478.8	481.0	481.5
45°	401.0	406.2	415.5	424.9	437.8	450.7	456.8	463.0	464.0	465.2	464.9
47.5°	386.1	391.3	402.8	414.2	426.8	439.4	445.9	452.4	453.3	454.3	455.0
50°	378.6	384.5	394.5	404.4	417.8	431.2	440.1	449.1	448.8	448.5	446.1
52.5°	374.3	378.9	388.2	397.5	412.2	426.8	435.5	444.1	444.9	445.7	444.3
55°	369.0	374.6	384.9	395.1	408.2	421.2	429.6	437.9	438.8	439.7	437.1
57.5°	363.8	373.4	383.8	394.2	407.6	420.9	428.0	435.2	433.6	432.0	429.9
60°	356.5	370.1	379.9	389.8	402.2	414.5	419.5	424.3	422.4	420.5	416.1
62.5°	342.6	357.1	368.4	379.6	390.9	402.2	405.6	409.1	407.3	405.4	400.4
65°	324.3	337.2	349.2	361.2	370.5	379.8	384.1	388.3	385.2	382.1	377.2
67.5°	306.9	319.4	328.7	337.9	347.2	356.4	359.9	363.4	360.0	356.7	350.1
70°	286.0	295.1	307.0	318.9	324.0	329.1	331.1	333.0	329.8	326.6	322.4
72.5°	260.7	269.9	277.7	285.5	290.3	295.1	297.4	299.7	296.1	292.5	286.9
75°	230.6	238.4	245.5	252.7	257.9	263.1	264.5	265.8	261.3	256.9	251.0
77.5°	200.1	204.9	207.9	211.0	216.9	222.9	224.0	225.2	221.8	218.4	213.0
80°	166.3	168.5	169.3	170.2	174.6	178.9	180.1	181.3	179.7	178.1	173.6
82.5°	140.7	142.1	135.6	129.0	132.5	136.0	138.7	141.4	140.7	139.9	136.2
85°	112.1	107.8	90.8	73.9	80.6	87.3	91.8	96.3	97.0	97.7	95.1
87.5°	68.6	62.7	50.3	37.8	43.3	48.8	53.2	57.7	54.8	51.9	45.9
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	576.2	578.1	576.2	574.8	573.3	574.0	574.6	576.6	578.6	582.0	585.6
5°	543.1	542.9	543.1	542.8	542.5	543.5	544.6	547.1	549.6	552.8	556.1
7.5°	537.3	535.2	537.3	536.9	536.4	536.5	536.7	538.3	540.0	540.7	541.5
10°	551.6	550.7	551.6	550.2	548.8	547.1	545.4	545.6	545.6	546.5	547.4
12.5°	567.9	566.2	567.9	567.1	566.3	564.3	562.1	563.3	564.4	568.7	573.0
15°	579.0	578.1	579.0	579.8	580.5	580.6	580.8	582.5	584.2	589.4	594.5
17.5°	588.4	589.4	588.4	589.2	590.0	591.8	593.5	597.3	601.2	609.5	617.7
20°	594.1	593.6	594.1	594.1	594.2	595.1	596.0	602.1	608.2	617.4	626.7
22.5°	586.1	590.0	586.1	585.0	583.8	586.5	589.3	595.9	602.5	612.6	622.5
25°	571.5	569.8	571.5	571.9	572.3	573.6	575.0	582.3	589.5	599.9	610.3
27.5°	561.5	562.6	561.5	560.1	558.6	559.7	560.9	567.7	574.5	582.3	590.0
30°	550.1	554.3	550.1	547.8	545.4	545.3	545.0	549.6	554.3	559.2	564.1
32.5°	533.1	536.4	533.1	532.3	531.5	533.9	536.3	538.1	539.8	540.6	541.5
35°	524.5	528.6	524.5	522.6	520.6	520.6	520.6	519.9	519.2	518.3	517.3
37.5°	510.6	510.8	510.6	509.8	509.0	507.1	505.1	502.7	500.1	494.7	489.3
40°	491.8	492.3	491.8	493.0	494.2	494.0	493.8	488.2	482.6	472.6	462.5
42.5°	482.0	483.3	482.0	481.5	481.0	478.8	476.7	471.7	466.8	455.6	444.3
45°	464.6	463.1	464.6	464.9	465.2	464.0	463.0	456.8	450.7	437.8	424.9
47.5°	455.8	457.1	455.8	455.0	454.3	453.3	452.4	445.9	439.4	426.8	414.2
50°	443.7	442.8	443.7	446.1	448.5	448.8	449.1	440.1	431.2	417.8	404.4
52.5°	442.9	443.4	442.9	444.3	445.7	444.9	444.1	435.5	426.8	412.2	397.5
55°	434.5	432.7	434.5	437.1	439.7	438.8	437.9	429.6	421.2	408.2	395.1
57.5°	427.9	428.5	427.9	429.9	432.0	433.6	435.2	428.0	420.9	407.6	394.2
60°	411.7	408.2	411.7	416.1	420.5	422.4	424.3	419.5	414.5	402.2	389.8
62.5°	395.4	389.2	395.4	400.4	405.4	407.3	409.1	405.6	402.2	390.9	379.6
65°	372.2	368.9	372.2	377.2	382.1	385.2	388.3	384.1	379.8	370.5	361.2
67.5°	343.6	338.5	343.6	350.1	356.7	360.0	363.4	359.9	356.4	347.2	337.9
70°	318.3	314.7	318.3	322.4	326.6	329.8	333.0	331.1	329.1	324.0	318.9
72.5°	281.3	277.7	281.3	286.9	292.5	296.1	299.7	297.4	295.1	290.3	285.5
75°	245.2	240.2	245.2	251.0	256.9	261.3	265.8	264.5	263.1	257.9	252.7
77.5°	207.5	202.6	207.5	213.0	218.4	221.8	225.2	224.0	222.9	216.9	211.0
80°	169.1	162.7	169.1	173.6	178.1	179.7	181.3	180.1	178.9	174.6	170.2
82.5°	132.4	126.9	132.4	136.2	139.9	140.7	141.4	138.7	136.0	132.5	129.0
85°	92.5	88.2	92.5	95.1	97.7	97.0	96.3	91.8	87.3	80.6	73.9
87.5°	39.9	33.4	39.9	45.9	51.9	54.8	57.7	53.2	48.8	43.3	37.8
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	587.3	589.1	591.5	593.9	596.5	599.0	601.6	604.2	609.4	612.7	615.5
5°	560.2	564.4	568.3	572.1	578.3	584.5	591.7	598.8	605.2	612.1	619.8
7.5°	545.4	549.4	554.9	560.5	567.4	574.2	582.7	591.1	601.6	612.4	623.7
10°	550.2	553.0	558.0	563.1	569.8	576.4	585.3	594.2	610.9	620.7	633.3
12.5°	572.8	572.6	577.6	582.8	587.6	592.4	596.5	600.6	607.6	621.3	639.5
15°	599.5	604.4	605.8	607.2	605.6	604.0	602.6	601.2	605.2	619.5	640.4
17.5°	623.6	629.5	626.5	623.5	616.4	609.2	604.6	599.8	593.3	607.3	631.9
20°	632.3	638.0	633.0	628.0	614.5	601.0	590.0	578.9	576.0	589.7	619.5
22.5°	625.7	628.9	624.5	620.1	606.1	591.9	578.4	564.8	553.1	566.7	600.2
25°	611.0	611.8	605.6	599.4	585.9	572.3	559.0	545.6	533.7	545.0	579.3
27.5°	589.1	588.1	581.1	574.2	562.3	550.4	539.1	527.9	516.4	528.6	566.7
30°	561.7	559.2	552.0	544.8	534.5	524.0	516.3	508.6	504.8	518.0	558.0
32.5°	537.6	533.9	527.1	520.3	512.8	505.4	502.2	499.0	495.3	507.2	544.7
35°	510.0	502.7	496.5	490.4	487.0	483.6	483.8	484.0	485.1	494.2	528.6
37.5°	481.7	474.1	468.7	463.4	461.2	459.0	461.2	463.3	465.8	472.3	505.1
40°	455.3	448.2	443.4	438.5	438.3	438.0	441.0	444.0	445.8	448.1	479.7
42.5°	433.5	422.7	418.6	414.5	415.3	416.1	417.5	419.0	423.7	428.0	458.4
45°	415.5	406.2	401.0	395.9	394.8	393.6	396.8	400.0	400.2	412.7	443.3
47.5°	402.8	391.3	386.1	380.8	379.0	377.3	378.9	380.6	388.0	407.8	435.4
50°	394.5	384.5	378.6	372.6	367.6	362.5	363.5	364.5	378.4	407.5	432.8
52.5°	388.2	378.9	374.3	369.8	362.4	354.9	357.5	360.2	379.0	408.0	427.6
55°	384.9	374.6	369.0	363.5	354.5	345.4	353.8	362.4	395.4	412.5	419.8
57.5°	383.8	373.4	363.8	354.3	345.4	336.4	352.6	368.8	406.2	405.9	410.4
60°	379.9	370.1	356.5	342.8	337.6	332.4	351.3	370.1	392.2	379.0	392.7
62.5°	368.4	357.1	342.6	327.9	328.5	329.1	345.1	361.0	368.9	353.5	364.4
65°	349.2	337.2	324.3	311.4	316.0	320.6	331.1	341.5	337.0	333.0	335.4
67.5°	328.7	319.4	306.9	294.3	297.9	301.4	307.2	312.9	302.5	300.9	289.3
70°	307.0	295.1	286.0	276.7	279.4	282.0	281.3	280.5	271.2	262.8	245.7
72.5°	277.7	269.9	260.7	251.6	252.9	254.2	254.1	254.1	244.1	225.9	206.5
75°	245.5	238.4	230.6	222.8	223.6	224.4	223.4	222.4	211.9	188.8	170.8
77.5°	207.9	204.9	200.1	195.4	196.3	197.3	194.8	192.4	181.5	154.4	138.0
80°	169.3	168.5	166.3	164.0	164.4	164.6	161.1	157.5	144.8	120.7	107.0
82.5°	135.6	142.1	140.7	139.2	135.2	131.1	125.6	120.0	106.4	89.1	78.7
85°	90.8	107.8	112.1	116.5	109.1	101.6	91.4	81.2	67.3	56.6	50.1
87.5°	50.3	62.7	68.6	74.5	70.7	66.9	56.4	46.0	29.2	23.4	20.1
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):

	330°	335°	340°	345°	350°	355°	360°
0°	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5°	618.3	622.3	626.3	628.5	630.7	631.3	632.9
5°	627.5	636.6	645.7	655.5	665.2	672.1	677.0
7.5°	635.0	649.7	664.5	680.1	695.6	714.5	736.9
10°	645.9	666.4	687.0	713.5	739.9	761.9	780.4
12.5°	657.8	683.7	709.7	741.6	773.6	804.6	833.2
15°	661.4	694.3	727.2	769.4	811.4	850.6	885.3
17.5°	656.5	699.3	742.1	792.0	841.8	892.0	942.8
20°	649.1	703.1	757.0	817.6	878.0	932.4	983.7
22.5°	633.8	697.8	761.7	831.7	901.7	960.2	1013.8
25°	613.6	686.3	759.2	840.6	922.1	990.5	1054.6
27.5°	604.6	689.2	773.7	865.4	957.1	1023.1	1080.8
30°	597.9	690.8	783.7	886.5	989.3	1059.5	1119.0
32.5°	582.2	682.9	783.6	900.2	1016.9	1093.3	1157.4
35°	562.9	671.6	780.3	912.8	1045.4	1126.0	1189.0
37.5°	537.9	654.9	771.8	922.6	1073.4	1169.2	1244.4
40°	511.4	638.7	766.0	944.8	1123.5	1238.9	1321.6
42.5°	488.7	625.2	761.7	965.8	1170.0	1315.2	1429.2
45°	473.8	614.4	755.0	994.8	1234.6	1438.5	1613.6
47.5°	463.1	603.2	743.3	1040.9	1338.5	1645.0	1922.3
50°	458.2	599.1	740.1	1122.4	1504.7	1940.5	2330.6
52.5°	447.1	588.8	730.4	1184.8	1639.3	2198.3	2706.1
55°	427.0	567.5	708.0	1201.1	1694.3	2371.4	3031.8
57.5°	414.9	535.7	656.5	1124.7	1592.9	2396.6	3266.6
60°	406.3	476.2	546.0	958.2	1370.3	2247.6	3226.4
62.5°	375.3	408.5	441.6	796.3	1151.0	2001.0	2964.1
65°	337.8	344.4	350.9	647.8	944.8	1727.2	2638.1
67.5°	277.7	271.8	265.9	509.7	753.4	1439.1	2263.2
70°	228.6	220.5	212.5	396.0	579.4	1179.3	1940.8
72.5°	187.1	180.1	173.1	298.7	424.3	909.9	1556.1
75°	152.9	147.7	142.6	220.9	299.2	654.9	1144.9
77.5°	121.7	119.2	116.7	162.7	208.7	451.0	793.8
80°	93.5	91.7	90.0	112.3	134.7	259.6	437.7
82.5°	68.4	67.4	66.5	75.6	84.7	138.4	216.6
85°	43.6	43.1	42.6	45.1	47.6	62.6	85.2
87.5°	16.8	17.4	18.0	19.0	19.8	23.8	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)