

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: P1208669

Luminaire Tested: UPW-SA1-070-827-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208669
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-SA1-070-827-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5850 lumens
Efficiency: N/A
Efficacy: 88.6 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): 66
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

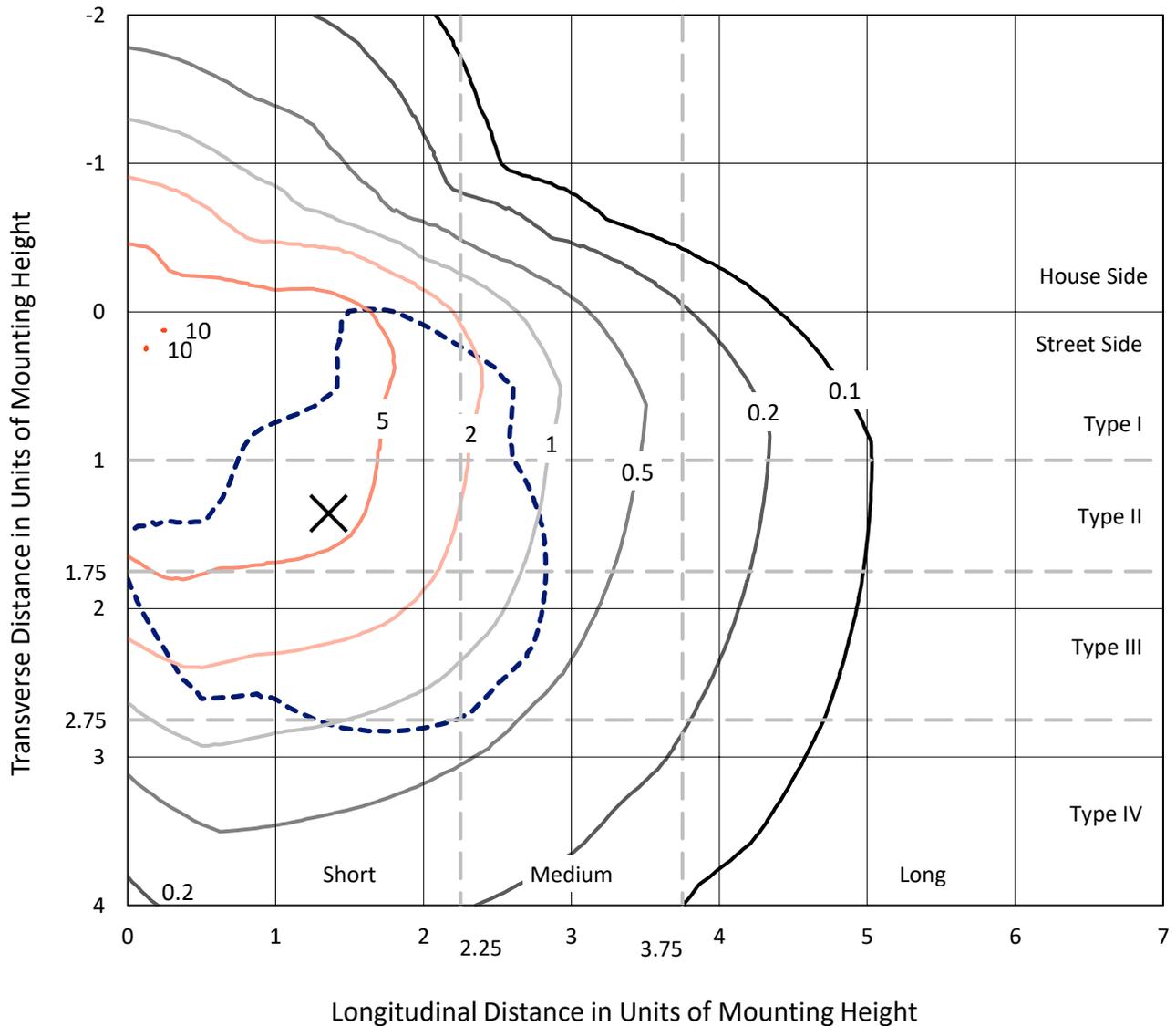


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

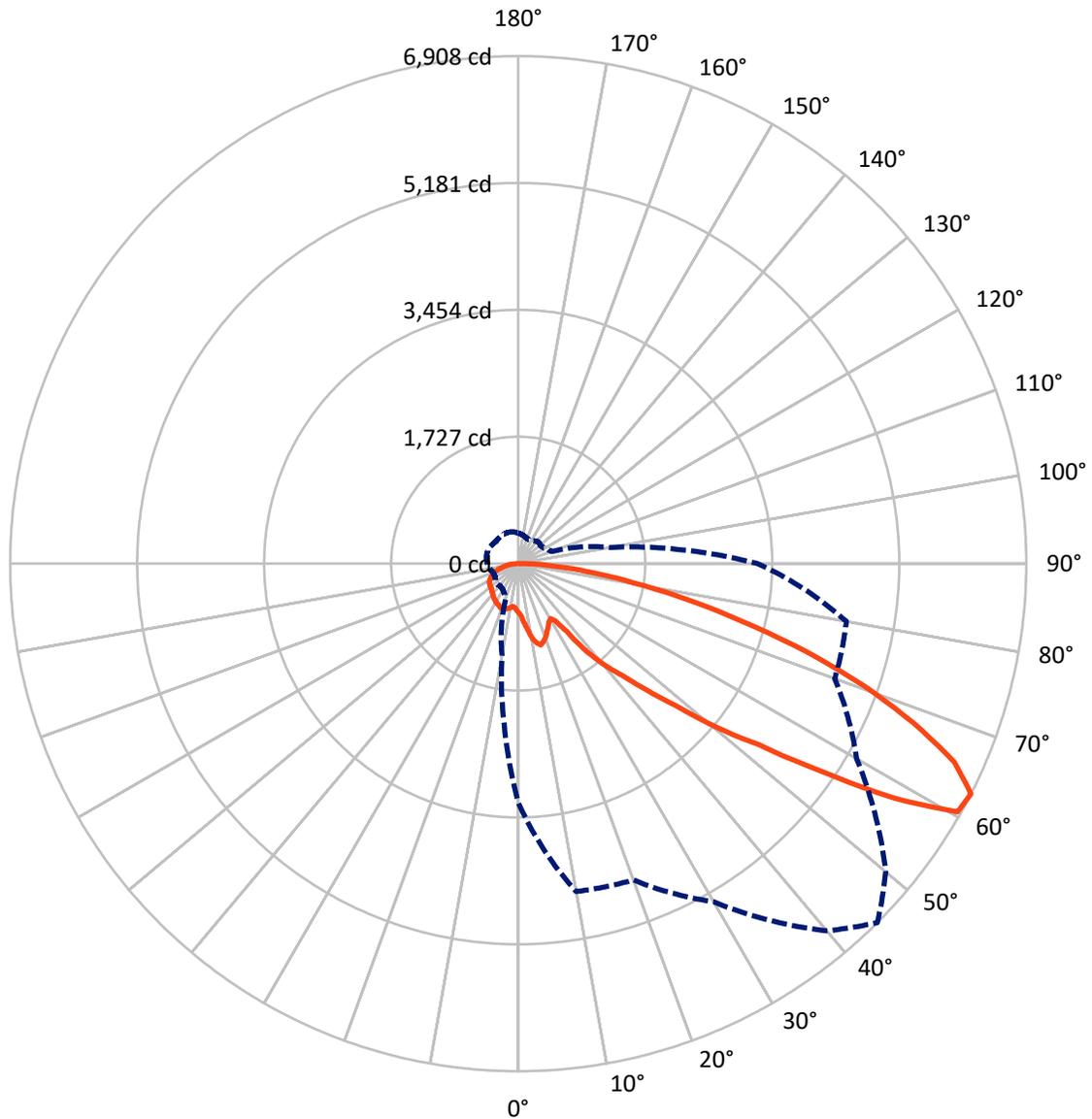


Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type III - Short - N/A

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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	1433.7	0.0	1433.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4416.4	0.0	4416.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	5850.0	0.0	5850.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.1
10°-20°	224.4	3.8
20°-30°	365.0	6.2
30°-40°	497.9	8.5
40°-50°	753.9	12.9
50°-60°	1296.3	22.2
60°-70°	1520.3	26.0
70°-80°	906.7	15.5
80°-90°	219.0	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°	5850.0	100.0
0°-180°	5850.0	100.0



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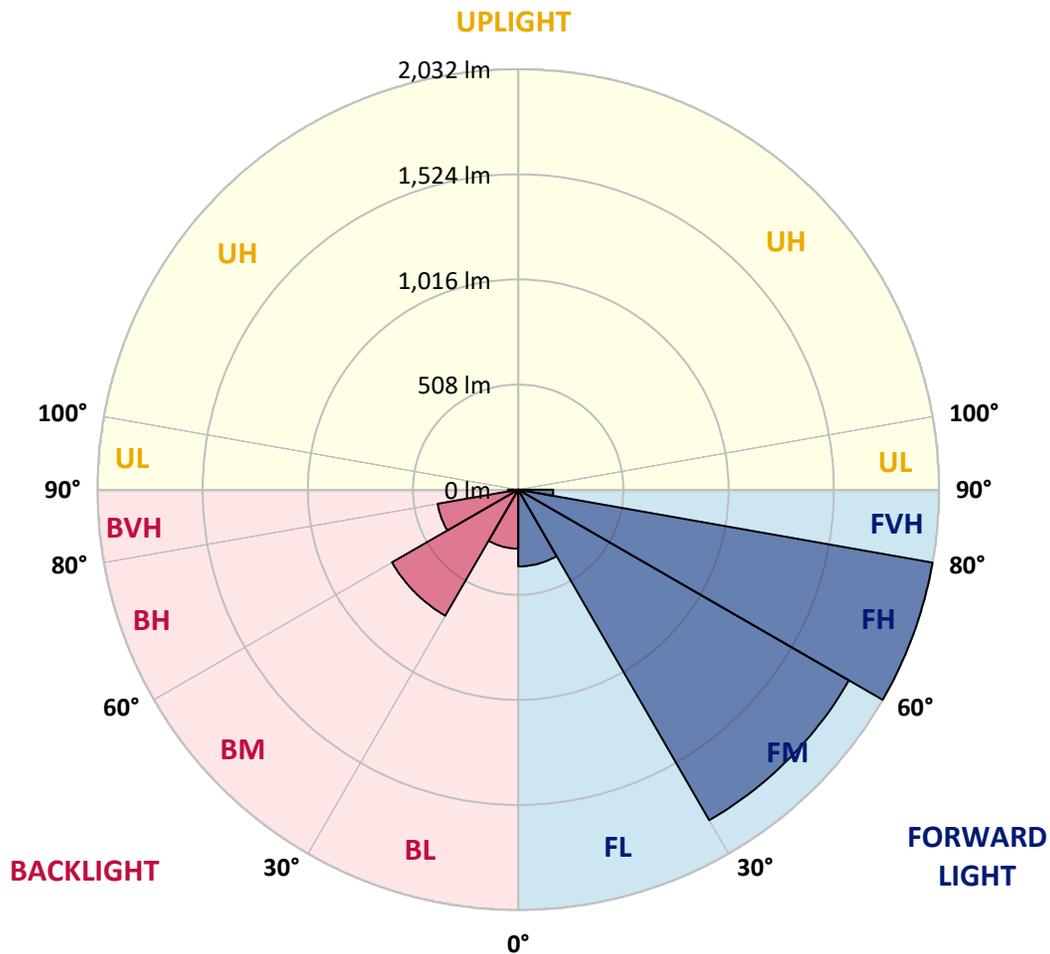
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.8	6.3			
FM	(30°-60°)	1844.4	31.5			
FH	(60°-80°)	2031.9	34.7			G2/5000
FVH	(80°-90°)	169.2	2.9			G2/225
BL	(0°-30°)	285.2	4.9	B1/500		
BM	(30°-60°)	703.7	12.0	B1/1000		
BH	(60°-80°)	395.0	6.8	B1/500		G1/500
BVH	(80°-90°)	49.8	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°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	694.3	697.2	700.2	701.4	702.7	703.8	705.1	706.0	707.0	704.8	707.0
5°	742.7	751.8	761.0	768.9	776.8	782.8	788.8	791.7	794.7	799.5	794.7
7.5°	808.4	820.9	833.4	850.6	867.9	879.6	891.2	896.3	901.4	902.8	901.4
10°	856.1	888.1	920.2	939.2	958.3	972.2	986.2	998.2	1010.2	1023.8	1010.2
12.5°	914.0	950.4	986.8	1014.3	1041.8	1059.4	1077.1	1088.9	1100.8	1104.9	1100.8
15°	971.2	1011.0	1050.7	1076.5	1102.2	1116.0	1129.7	1135.6	1141.5	1148.7	1141.5
17.5°	1034.2	1064.1	1093.9	1110.9	1127.9	1128.5	1129.0	1121.7	1114.3	1112.7	1114.3
20°	1079.0	1103.7	1128.4	1128.7	1129.0	1114.3	1099.6	1086.8	1074.1	1068.2	1074.1
22.5°	1112.0	1129.0	1145.9	1128.5	1111.1	1078.4	1045.7	1027.1	1008.6	1003.5	1008.6
25°	1156.8	1159.4	1162.1	1126.6	1091.1	1045.5	999.9	976.1	952.3	946.6	952.3
27.5°	1185.6	1177.4	1169.1	1115.2	1061.4	1007.8	954.4	927.2	900.1	892.4	900.1
30°	1227.4	1197.6	1167.6	1098.3	1028.9	975.0	921.1	898.5	875.8	868.8	875.8
32.5°	1269.6	1219.8	1169.9	1095.6	1021.2	983.6	946.1	940.0	933.8	929.0	933.8
35°	1304.3	1248.3	1192.3	1136.3	1080.3	1086.0	1091.8	1111.9	1132.1	1131.7	1132.1
37.5°	1365.0	1307.8	1250.5	1241.2	1232.0	1304.3	1376.5	1434.5	1492.4	1522.6	1492.4
40°	1449.7	1409.5	1369.3	1402.8	1436.3	1536.7	1637.1	1705.8	1774.4	1824.6	1774.4
42.5°	1567.7	1544.8	1522.0	1563.9	1605.8	1716.0	1826.1	1919.7	2013.2	2083.5	2013.2
45°	1770.1	1746.5	1722.8	1742.8	1762.7	1900.6	2038.6	2185.1	2331.7	2455.5	2331.7
47.5°	2108.7	2053.8	1998.9	1982.1	1965.3	2151.2	2337.1	2551.2	2765.5	2892.9	2765.5
50°	2556.5	2470.7	2384.9	2306.6	2228.3	2490.6	2752.9	3064.8	3376.8	3508.1	3376.8
52.5°	2968.4	2889.6	2810.8	2673.2	2535.6	2845.9	3156.4	3561.5	3966.6	4092.5	3966.6
55°	3325.7	3358.6	3391.6	3205.4	3019.2	3363.5	3707.8	4226.8	4745.8	4967.9	4745.8
57.5°	3583.3	3876.3	4169.4	3970.3	3771.4	4092.8	4414.2	5031.1	5648.0	6019.8	5648.0
60°	3539.1	4126.5	4713.7	4625.4	4537.1	4811.7	5086.2	5755.6	6425.0	6859.2	6425.0
62.5°	3251.5	3890.7	4529.9	4554.8	4579.7	4946.4	5313.1	5918.2	6523.3	6907.6	6523.3
65°	2893.9	3495.5	4097.1	4134.0	4171.0	4594.9	5018.9	5612.5	6206.0	6516.0	6206.0
67.5°	2482.7	3108.3	3733.9	3756.2	3778.6	4166.1	4553.6	5087.8	5622.1	5800.2	5622.1
70°	2129.0	2724.9	3321.0	3369.8	3418.6	3757.0	4095.3	4490.9	4886.5	4988.2	4886.5
72.5°	1707.0	2306.4	2905.8	2980.5	3055.1	3303.1	3550.9	3827.5	4104.0	4094.5	4104.0
75°	1255.9	1817.6	2379.4	2482.7	2585.9	2737.9	2889.9	3036.0	3182.1	3140.7	3182.1
77.5°	870.8	1325.1	1779.4	1888.8	1998.2	2105.4	2212.6	2315.6	2418.6	2353.5	2418.6
80°	480.2	803.9	1127.6	1250.7	1373.9	1485.9	1597.9	1651.1	1704.2	1594.5	1704.2
82.5°	237.6	418.4	599.2	721.7	844.1	957.7	1071.2	1104.5	1137.7	1032.9	1137.7
85°	93.5	184.2	274.9	366.4	457.8	547.2	636.6	640.0	643.5	568.1	643.5
87.5°	33.7	70.7	107.9	154.9	202.0	250.1	298.1	296.4	294.6	243.2	294.6
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°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	706.0	705.1	703.8	702.7	701.4	700.2	697.2	694.3	692.5	691.8	689.4
5°	791.7	788.8	782.8	776.8	768.9	761.0	751.8	742.7	737.2	729.7	719.1
7.5°	896.3	891.2	879.6	867.9	850.6	833.4	820.9	808.4	783.8	763.1	746.0
10°	998.2	986.2	972.2	958.3	939.2	920.2	888.1	856.1	835.8	811.6	782.6
12.5°	1088.9	1077.1	1059.4	1041.8	1014.3	986.8	950.4	914.0	882.6	848.6	813.5
15°	1135.6	1129.7	1116.0	1102.2	1076.5	1050.7	1011.0	971.2	933.0	890.1	843.9
17.5°	1121.7	1129.0	1128.5	1127.9	1110.9	1093.9	1064.1	1034.2	978.5	923.4	868.8
20°	1086.8	1099.6	1114.3	1129.0	1128.7	1128.4	1103.7	1079.0	1022.7	963.1	896.8
22.5°	1027.1	1045.7	1078.4	1111.1	1128.5	1145.9	1129.0	1112.0	1053.3	989.1	912.3
25°	976.1	999.9	1045.5	1091.1	1126.6	1162.1	1159.4	1156.8	1086.5	1011.5	922.1
27.5°	927.2	954.4	1007.8	1061.4	1115.2	1169.1	1177.4	1185.6	1122.2	1049.9	949.3
30°	898.5	921.1	975.0	1028.9	1098.3	1167.6	1197.6	1227.4	1162.3	1085.2	972.5
32.5°	940.0	946.1	983.6	1021.2	1095.6	1169.9	1219.8	1269.6	1199.3	1115.4	987.5
35°	1111.9	1091.8	1086.0	1080.3	1136.3	1192.3	1248.3	1304.3	1235.2	1146.7	1001.3
37.5°	1434.5	1376.5	1304.3	1232.0	1241.2	1250.5	1307.8	1365.0	1282.5	1177.4	1012.0
40°	1705.8	1637.1	1536.7	1436.3	1402.8	1369.3	1409.5	1449.7	1359.0	1232.5	1036.3
42.5°	1919.7	1826.1	1716.0	1605.8	1563.9	1522.0	1544.8	1567.7	1442.7	1283.5	1059.5
45°	2185.1	2038.6	1900.6	1762.7	1742.8	1722.8	1746.5	1770.1	1577.9	1354.3	1091.2
47.5°	2551.2	2337.1	2151.2	1965.3	1982.1	1998.9	2053.8	2108.7	1804.4	1468.2	1141.8
50°	3064.8	2752.9	2490.6	2228.3	2306.6	2384.9	2470.7	2556.5	2128.6	1650.6	1231.2
52.5°	3561.5	3156.4	2845.9	2535.6	2673.2	2810.8	2889.6	2968.4	2411.4	1798.2	1299.7
55°	4226.8	3707.8	3363.5	3019.2	3205.4	3391.6	3358.6	3325.7	2601.3	1858.5	1317.6
57.5°	5031.1	4414.2	4092.8	3771.4	3970.3	4169.4	3876.3	3583.3	2629.0	1747.4	1233.7
60°	5755.6	5086.2	4811.7	4537.1	4625.4	4713.7	4126.5	3539.1	2465.5	1503.1	1051.1
62.5°	5918.2	5313.1	4946.4	4579.7	4554.8	4529.9	3890.7	3251.5	2194.9	1262.5	873.5
65°	5612.5	5018.9	4594.9	4171.0	4134.0	4097.1	3495.5	2893.9	1894.6	1036.3	710.6
67.5°	5087.8	4553.6	4166.1	3778.6	3756.2	3733.9	3108.3	2482.7	1578.6	826.5	559.1
70°	4490.9	4095.3	3757.0	3418.6	3369.8	3321.0	2724.9	2129.0	1293.6	635.6	434.4
72.5°	3827.5	3550.9	3303.1	3055.1	2980.5	2905.8	2306.4	1707.0	998.2	465.5	327.7
75°	3036.0	2889.9	2737.9	2585.9	2482.7	2379.4	1817.6	1255.9	718.4	328.2	242.3
77.5°	2315.6	2212.6	2105.4	1998.2	1888.8	1779.4	1325.1	870.8	494.8	228.9	178.5
80°	1651.1	1597.9	1485.9	1373.9	1250.7	1127.6	803.9	480.2	284.8	147.7	123.2
82.5°	1104.5	1071.2	957.7	844.1	721.7	599.2	418.4	237.6	151.9	93.0	83.0
85°	640.0	636.6	547.2	457.8	366.4	274.9	184.2	93.5	68.6	52.2	49.4
87.5°	296.4	298.1	250.1	202.0	154.9	107.9	70.7	33.7	26.2	21.7	20.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	687.0	682.6	678.3	675.2	672.1	668.5	662.8	659.9	657.0	654.3	651.5
5°	708.3	698.3	688.3	679.8	671.4	663.9	656.9	649.1	641.2	634.4	627.6
7.5°	728.9	712.7	696.6	684.2	671.7	660.0	648.4	639.2	629.9	622.4	614.9
10°	753.7	731.0	708.5	694.7	680.9	670.1	651.8	642.1	632.3	625.0	617.7
12.5°	778.5	750.0	721.6	701.5	681.5	666.5	658.9	654.3	649.8	644.5	639.2
15°	797.7	761.6	725.5	702.5	679.6	663.9	659.5	661.0	662.6	664.3	666.1
17.5°	814.1	767.1	720.1	693.1	666.2	650.8	657.9	663.2	668.3	676.1	684.0
20°	830.4	771.3	712.1	679.5	646.9	631.9	635.1	647.2	659.3	674.1	688.9
22.5°	835.5	765.4	695.3	658.4	621.6	606.7	619.6	634.5	649.3	664.8	680.2
25°	832.8	752.9	673.0	635.5	597.9	585.4	598.5	613.2	627.7	642.6	657.6
27.5°	848.7	756.0	663.2	621.6	579.9	566.5	579.1	591.4	603.7	616.8	629.9
30°	859.7	757.8	655.9	612.0	568.2	553.7	557.9	566.4	574.8	586.3	597.7
32.5°	859.6	749.1	638.6	597.5	556.3	543.3	547.3	550.9	554.4	562.6	570.7
35°	855.9	736.7	617.5	579.8	542.1	532.2	530.9	530.7	530.5	534.2	537.9
37.5°	846.6	718.4	590.0	554.1	518.1	510.9	508.2	505.9	503.5	505.9	508.3
40°	840.2	700.6	560.9	526.2	491.5	489.0	487.1	483.8	480.5	480.8	481.0
42.5°	835.5	685.8	536.1	502.8	469.5	464.8	459.6	458.0	456.5	455.6	454.7
45°	828.2	674.0	519.7	486.3	452.7	439.0	438.8	435.3	431.8	433.1	434.2
47.5°	815.4	661.7	508.0	477.6	447.3	425.6	417.5	415.7	413.8	415.8	417.8
50°	811.8	657.2	502.6	474.8	447.0	415.1	399.8	398.7	397.6	403.2	408.7
52.5°	801.2	645.8	490.5	469.0	447.5	415.8	395.1	392.2	389.3	397.5	405.7
55°	776.7	622.5	468.4	460.5	452.5	433.8	397.5	388.1	378.9	388.9	398.8
57.5°	720.1	587.7	455.1	450.2	445.2	445.5	404.5	386.8	369.0	378.9	388.7
60°	599.0	522.4	445.7	430.8	415.8	430.2	406.0	385.3	364.7	370.4	376.0
62.5°	484.4	448.1	411.7	399.8	387.8	404.7	396.0	378.5	361.0	360.4	359.7
65°	384.9	377.7	370.6	367.9	365.3	369.7	374.6	363.2	351.7	346.6	341.6
67.5°	291.7	298.2	304.7	317.3	330.0	331.8	343.2	336.9	330.7	326.7	322.8
70°	233.1	241.9	250.7	269.5	288.3	297.5	307.7	308.6	309.4	306.5	303.5
72.5°	189.9	197.6	205.3	226.5	247.8	267.7	278.8	278.8	278.8	277.5	276.0
75°	156.4	162.1	167.7	187.4	207.1	232.4	243.9	245.0	246.1	245.2	244.4
77.5°	128.0	130.8	133.5	151.4	169.3	199.1	211.0	213.7	216.4	215.3	214.3
80°	98.7	100.6	102.5	117.4	132.4	158.9	172.8	176.7	180.6	180.3	179.9
82.5°	72.9	73.9	75.1	86.4	97.7	116.7	131.7	137.7	143.8	148.3	152.7
85°	46.7	47.3	47.9	55.0	62.1	73.9	89.0	100.3	111.5	119.6	127.8
87.5°	19.7	19.1	18.4	22.1	25.6	32.0	50.5	61.9	73.4	77.5	81.7
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	648.9	646.2	644.3	642.3	638.5	634.7	632.5	630.4	629.6	628.9	630.5
5°	623.4	619.1	614.5	610.0	606.4	602.9	600.2	597.4	596.2	595.1	595.4
7.5°	608.7	602.6	598.3	593.9	593.1	592.3	590.5	588.7	588.5	588.4	588.9
10°	612.0	606.6	603.5	600.5	599.5	598.5	598.5	598.3	600.2	602.0	603.5
12.5°	633.6	628.1	628.3	628.6	623.8	619.1	617.9	616.6	619.0	621.2	622.1
15°	664.5	663.0	657.6	652.1	646.5	640.8	639.0	637.1	636.9	636.8	636.0
17.5°	687.2	690.5	684.1	677.6	668.5	659.5	655.2	651.0	649.1	647.2	646.3
20°	694.4	699.8	693.6	687.4	677.3	667.2	660.4	653.8	652.8	651.8	651.7
22.5°	685.1	689.8	686.4	682.9	671.9	661.0	653.7	646.4	643.4	640.4	641.7
25°	664.3	671.1	670.2	669.4	658.1	646.7	638.7	630.7	629.2	627.7	627.3
27.5°	637.5	645.1	646.2	647.2	638.7	630.2	622.8	615.3	614.0	612.7	614.4
30°	605.5	613.4	616.1	618.8	613.4	608.0	602.9	597.9	598.1	598.3	600.9
32.5°	578.2	585.6	589.8	593.9	593.0	592.2	590.2	588.3	585.6	583.0	583.9
35°	544.6	551.4	559.5	567.5	568.5	569.6	570.3	571.1	571.1	571.1	573.2
37.5°	514.2	520.1	528.4	536.7	542.7	548.6	551.4	554.1	556.2	558.3	559.2
40°	486.3	491.6	499.5	507.3	518.4	529.4	535.5	541.6	541.9	542.1	540.8
42.5°	459.2	463.6	475.5	487.4	499.7	512.0	517.5	522.9	525.2	527.6	528.2
45°	439.9	445.5	455.8	466.1	480.3	494.4	501.1	507.8	509.0	510.3	509.9
47.5°	423.5	429.2	441.8	454.4	468.2	482.0	489.1	496.2	497.2	498.3	499.1
50°	415.3	421.8	432.7	443.6	458.3	473.0	482.8	492.6	492.3	492.0	489.3
52.5°	410.6	415.7	425.9	436.1	452.1	468.2	477.8	487.2	488.0	488.9	487.4
55°	404.8	410.9	422.2	433.4	447.8	462.1	471.2	480.4	481.3	482.3	479.5
57.5°	399.1	409.6	421.0	432.5	447.1	461.7	469.5	477.4	475.6	473.8	471.6
60°	391.0	406.0	416.8	427.6	441.2	454.7	460.1	465.5	463.4	461.2	456.4
62.5°	375.8	391.7	404.1	416.4	428.8	441.2	444.9	448.8	446.8	444.7	439.3
65°	355.7	369.9	383.0	396.2	406.4	416.6	421.3	425.9	422.6	419.2	413.8
67.5°	336.6	350.4	360.5	370.7	380.8	390.9	394.8	398.7	394.9	391.3	384.1
70°	313.7	323.7	336.8	349.8	355.4	361.0	363.2	365.3	361.8	358.3	353.7
72.5°	286.0	296.0	304.6	313.2	318.4	323.7	326.2	328.7	324.8	320.9	314.7
75°	252.9	261.5	269.3	277.2	282.9	288.6	290.1	291.6	286.7	281.8	275.4
77.5°	219.5	224.8	228.1	231.4	238.0	244.5	245.7	247.0	243.3	239.6	233.7
80°	182.4	184.9	185.7	186.6	191.5	196.3	197.6	198.9	197.1	195.3	190.4
82.5°	154.3	155.9	148.7	141.5	145.4	149.2	152.2	155.1	154.3	153.5	149.4
85°	123.0	118.2	99.6	81.1	88.4	95.8	100.7	105.6	106.4	107.2	104.3
87.5°	75.2	68.8	55.2	41.5	47.5	53.5	58.3	63.3	60.1	56.9	50.3
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	632.1	634.1	632.1	630.5	628.9	629.6	630.4	632.5	634.7	638.5	642.3
5°	595.7	595.6	595.7	595.4	595.1	596.2	597.4	600.2	602.9	606.4	610.0
7.5°	589.4	587.1	589.4	588.9	588.4	588.5	588.7	590.5	592.3	593.1	593.9
10°	605.1	604.1	605.1	603.5	602.0	600.2	598.3	598.5	598.5	599.5	600.5
12.5°	622.9	621.1	622.9	622.1	621.2	619.0	616.6	617.9	619.1	623.8	628.6
15°	635.1	634.1	635.1	636.0	636.8	636.9	637.1	639.0	640.8	646.5	652.1
17.5°	645.4	646.6	645.4	646.3	647.2	649.1	651.0	655.2	659.5	668.5	677.6
20°	651.7	651.1	651.7	651.7	651.8	652.8	653.8	660.4	667.2	677.3	687.4
22.5°	643.0	647.2	643.0	641.7	640.4	643.4	646.4	653.7	661.0	671.9	682.9
25°	627.0	625.0	627.0	627.3	627.7	629.2	630.7	638.7	646.7	658.1	669.4
27.5°	616.0	617.1	616.0	614.4	612.7	614.0	615.3	622.8	630.2	638.7	647.2
30°	603.4	608.0	603.4	600.9	598.3	598.1	597.9	602.9	608.0	613.4	618.8
32.5°	584.8	588.4	584.8	583.9	583.0	585.6	588.3	590.2	592.2	593.0	593.9
35°	575.3	579.9	575.3	573.2	571.1	571.1	571.1	570.3	569.6	568.5	567.5
37.5°	560.1	560.3	560.1	559.2	558.3	556.2	554.1	551.4	548.6	542.7	536.7
40°	539.5	540.0	539.5	540.8	542.1	541.9	541.6	535.5	529.4	518.4	507.3
42.5°	528.8	530.2	528.8	528.2	527.6	525.2	522.9	517.5	512.0	499.7	487.4
45°	509.6	508.0	509.6	509.9	510.3	509.0	507.8	501.1	494.4	480.3	466.1
47.5°	500.0	501.4	500.0	499.1	498.3	497.2	496.2	489.1	482.0	468.2	454.4
50°	486.7	485.7	486.7	489.3	492.0	492.3	492.6	482.8	473.0	458.3	443.6
52.5°	485.9	486.4	485.9	487.4	488.9	488.0	487.2	477.8	468.2	452.1	436.1
55°	476.6	474.6	476.6	479.5	482.3	481.3	480.4	471.2	462.1	447.8	433.4
57.5°	469.4	470.1	469.4	471.6	473.8	475.6	477.4	469.5	461.7	447.1	432.5
60°	451.6	447.8	451.6	456.4	461.2	463.4	465.5	460.1	454.7	441.2	427.6
62.5°	433.8	426.9	433.8	439.3	444.7	446.8	448.8	444.9	441.2	428.8	416.4
65°	408.3	404.7	408.3	413.8	419.2	422.6	425.9	421.3	416.6	406.4	396.2
67.5°	376.9	371.3	376.9	384.1	391.3	394.9	398.7	394.8	390.9	380.8	370.7
70°	349.1	345.2	349.1	353.7	358.3	361.8	365.3	363.2	361.0	355.4	349.8
72.5°	308.6	304.7	308.6	314.7	320.9	324.8	328.7	326.2	323.7	318.4	313.2
75°	269.0	263.5	269.0	275.4	281.8	286.7	291.6	290.1	288.6	282.9	277.2
77.5°	227.6	222.3	227.6	233.7	239.6	243.3	247.0	245.7	244.5	238.0	231.4
80°	185.5	178.5	185.5	190.4	195.3	197.1	198.9	197.6	196.3	191.5	186.6
82.5°	145.3	139.3	145.3	149.4	153.5	154.3	155.1	152.2	149.2	145.4	141.5
85°	101.5	96.8	101.5	104.3	107.2	106.4	105.6	100.7	95.8	88.4	81.1
87.5°	43.8	36.6	43.8	50.3	56.9	60.1	63.3	58.3	53.5	47.5	41.5
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	644.3	646.2	648.9	651.5	654.3	657.0	659.9	662.8	668.5	672.1	675.2
5°	614.5	619.1	623.4	627.6	634.4	641.2	649.1	656.9	663.9	671.4	679.8
7.5°	598.3	602.6	608.7	614.9	622.4	629.9	639.2	648.4	660.0	671.7	684.2
10°	603.5	606.6	612.0	617.7	625.0	632.3	642.1	651.8	670.1	680.9	694.7
12.5°	628.3	628.1	633.6	639.2	644.5	649.8	654.3	658.9	666.5	681.5	701.5
15°	657.6	663.0	664.5	666.1	664.3	662.6	661.0	659.5	663.9	679.6	702.5
17.5°	684.1	690.5	687.2	684.0	676.1	668.3	663.2	657.9	650.8	666.2	693.1
20°	693.6	699.8	694.4	688.9	674.1	659.3	647.2	635.1	631.9	646.9	679.5
22.5°	686.4	689.8	685.1	680.2	664.8	649.3	634.5	619.6	606.7	621.6	658.4
25°	670.2	671.1	664.3	657.6	642.6	627.7	613.2	598.5	585.4	597.9	635.5
27.5°	646.2	645.1	637.5	629.9	616.8	603.7	591.4	579.1	566.5	579.9	621.6
30°	616.1	613.4	605.5	597.7	586.3	574.8	566.4	557.9	553.7	568.2	612.0
32.5°	589.8	585.6	578.2	570.7	562.6	554.4	550.9	547.3	543.3	556.3	597.5
35°	559.5	551.4	544.6	537.9	534.2	530.5	530.7	530.9	532.2	542.1	579.8
37.5°	528.4	520.1	514.2	508.3	505.9	503.5	505.9	508.2	510.9	518.1	554.1
40°	499.5	491.6	486.3	481.0	480.8	480.5	483.8	487.1	489.0	491.5	526.2
42.5°	475.5	463.6	459.2	454.7	455.6	456.5	458.0	459.6	464.8	469.5	502.8
45°	455.8	445.5	439.9	434.2	433.1	431.8	435.3	438.8	439.0	452.7	486.3
47.5°	441.8	429.2	423.5	417.8	415.8	413.8	415.7	417.5	425.6	447.3	477.6
50°	432.7	421.8	415.3	408.7	403.2	397.6	398.7	399.8	415.1	447.0	474.8
52.5°	425.9	415.7	410.6	405.7	397.5	389.3	392.2	395.1	415.8	447.5	469.0
55°	422.2	410.9	404.8	398.8	388.9	378.9	388.1	397.5	433.8	452.5	460.5
57.5°	421.0	409.6	399.1	388.7	378.9	369.0	386.8	404.5	445.5	445.2	450.2
60°	416.8	406.0	391.0	376.0	370.4	364.7	385.3	406.0	430.2	415.8	430.8
62.5°	404.1	391.7	375.8	359.7	360.4	361.0	378.5	396.0	404.7	387.8	399.8
65°	383.0	369.9	355.7	341.6	346.6	351.7	363.2	374.6	369.7	365.3	367.9
67.5°	360.5	350.4	336.6	322.8	326.7	330.7	336.9	343.2	331.8	330.0	317.3
70°	336.8	323.7	313.7	303.5	306.5	309.4	308.6	307.7	297.5	288.3	269.5
72.5°	304.6	296.0	286.0	276.0	277.5	278.8	278.8	278.8	267.7	247.8	226.5
75°	269.3	261.5	252.9	244.4	245.2	246.1	245.0	243.9	232.4	207.1	187.4
77.5°	228.1	224.8	219.5	214.3	215.3	216.4	213.7	211.0	199.1	169.3	151.4
80°	185.7	184.9	182.4	179.9	180.3	180.6	176.7	172.8	158.9	132.4	117.4
82.5°	148.7	155.9	154.3	152.7	148.3	143.8	137.7	131.7	116.7	97.7	86.4
85°	99.6	118.2	123.0	127.8	119.6	111.5	100.3	89.0	73.9	62.1	55.0
87.5°	55.2	68.8	75.2	81.7	77.5	73.4	61.9	50.5	32.0	25.6	22.1
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°	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	678.3	682.6	687.0	689.4	691.8	692.5	694.3
5°	688.3	698.3	708.3	719.1	729.7	737.2	742.7
7.5°	696.6	712.7	728.9	746.0	763.1	783.8	808.4
10°	708.5	731.0	753.7	782.6	811.6	835.8	856.1
12.5°	721.6	750.0	778.5	813.5	848.6	882.6	914.0
15°	725.5	761.6	797.7	843.9	890.1	933.0	971.2
17.5°	720.1	767.1	814.1	868.8	923.4	978.5	1034.2
20°	712.1	771.3	830.4	896.8	963.1	1022.7	1079.0
22.5°	695.3	765.4	835.5	912.3	989.1	1053.3	1112.0
25°	673.0	752.9	832.8	922.1	1011.5	1086.5	1156.8
27.5°	663.2	756.0	848.7	949.3	1049.9	1122.2	1185.6
30°	655.9	757.8	859.7	972.5	1085.2	1162.3	1227.4
32.5°	638.6	749.1	859.6	987.5	1115.4	1199.3	1269.6
35°	617.5	736.7	855.9	1001.3	1146.7	1235.2	1304.3
37.5°	590.0	718.4	846.6	1012.0	1177.4	1282.5	1365.0
40°	560.9	700.6	840.2	1036.3	1232.5	1359.0	1449.7
42.5°	536.1	685.8	835.5	1059.5	1283.5	1442.7	1567.7
45°	519.7	674.0	828.2	1091.2	1354.3	1577.9	1770.1
47.5°	508.0	661.7	815.4	1141.8	1468.2	1804.4	2108.7
50°	502.6	657.2	811.8	1231.2	1650.6	2128.6	2556.5
52.5°	490.5	645.8	801.2	1299.7	1798.2	2411.4	2968.4
55°	468.4	622.5	776.7	1317.6	1858.5	2601.3	3325.7
57.5°	455.1	587.7	720.1	1233.7	1747.4	2629.0	3583.3
60°	445.7	522.4	599.0	1051.1	1503.1	2465.5	3539.1
62.5°	411.7	448.1	484.4	873.5	1262.5	2194.9	3251.5
65°	370.6	377.7	384.9	710.6	1036.3	1894.6	2893.9
67.5°	304.7	298.2	291.7	559.1	826.5	1578.6	2482.7
70°	250.7	241.9	233.1	434.4	635.6	1293.6	2129.0
72.5°	205.3	197.6	189.9	327.7	465.5	998.2	1707.0
75°	167.7	162.1	156.4	242.3	328.2	718.4	1255.9
77.5°	133.5	130.8	128.0	178.5	228.9	494.8	870.8
80°	102.5	100.6	98.7	123.2	147.7	284.8	480.2
82.5°	75.1	73.9	72.9	83.0	93.0	151.9	237.6
85°	47.9	47.3	46.7	49.4	52.2	68.6	93.5
87.5°	18.4	19.1	19.7	20.8	21.7	26.2	33.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)