

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: P1208857

Luminaire Tested: UPW-SA2-070-750-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-750-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR
LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6149 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

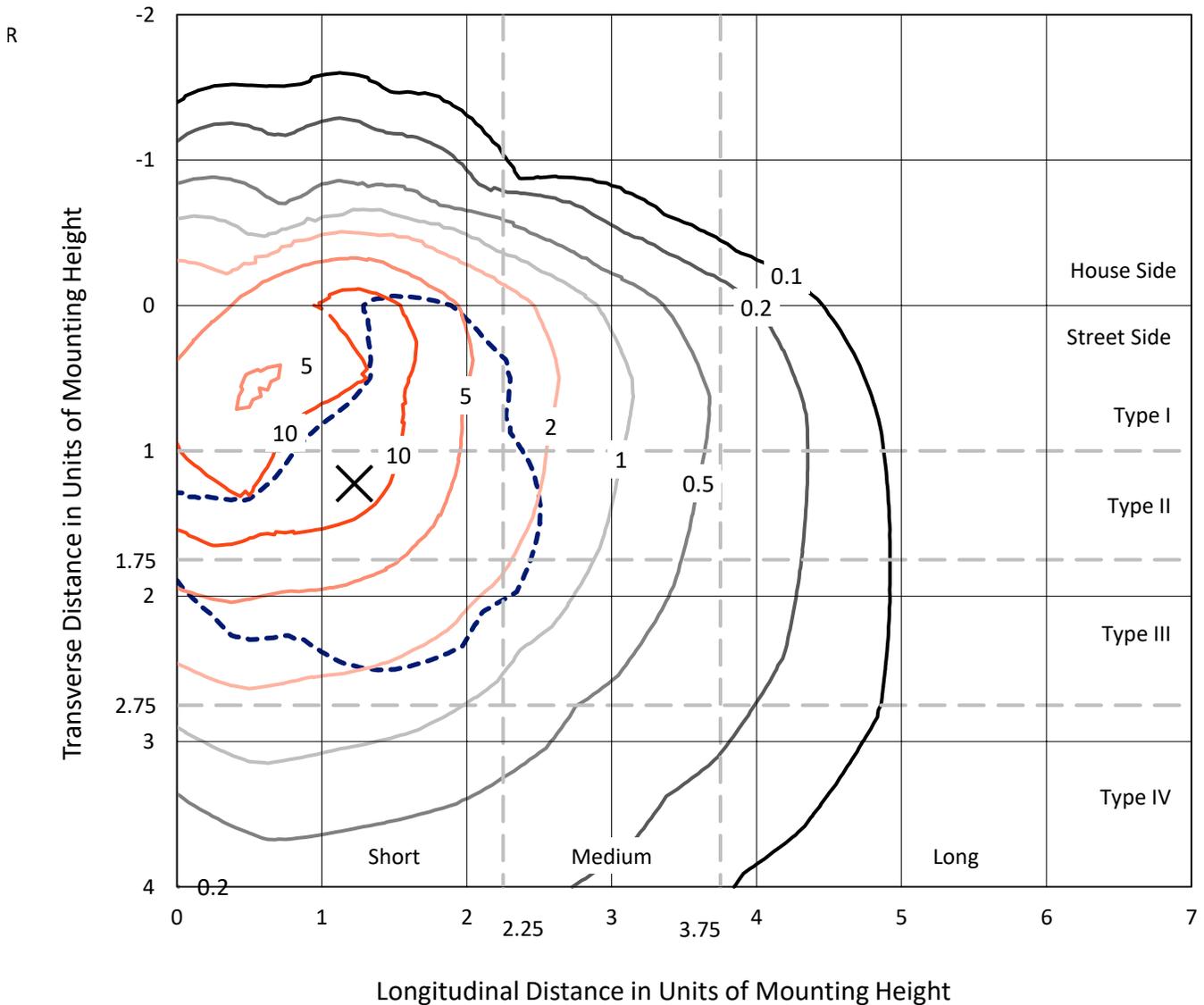
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

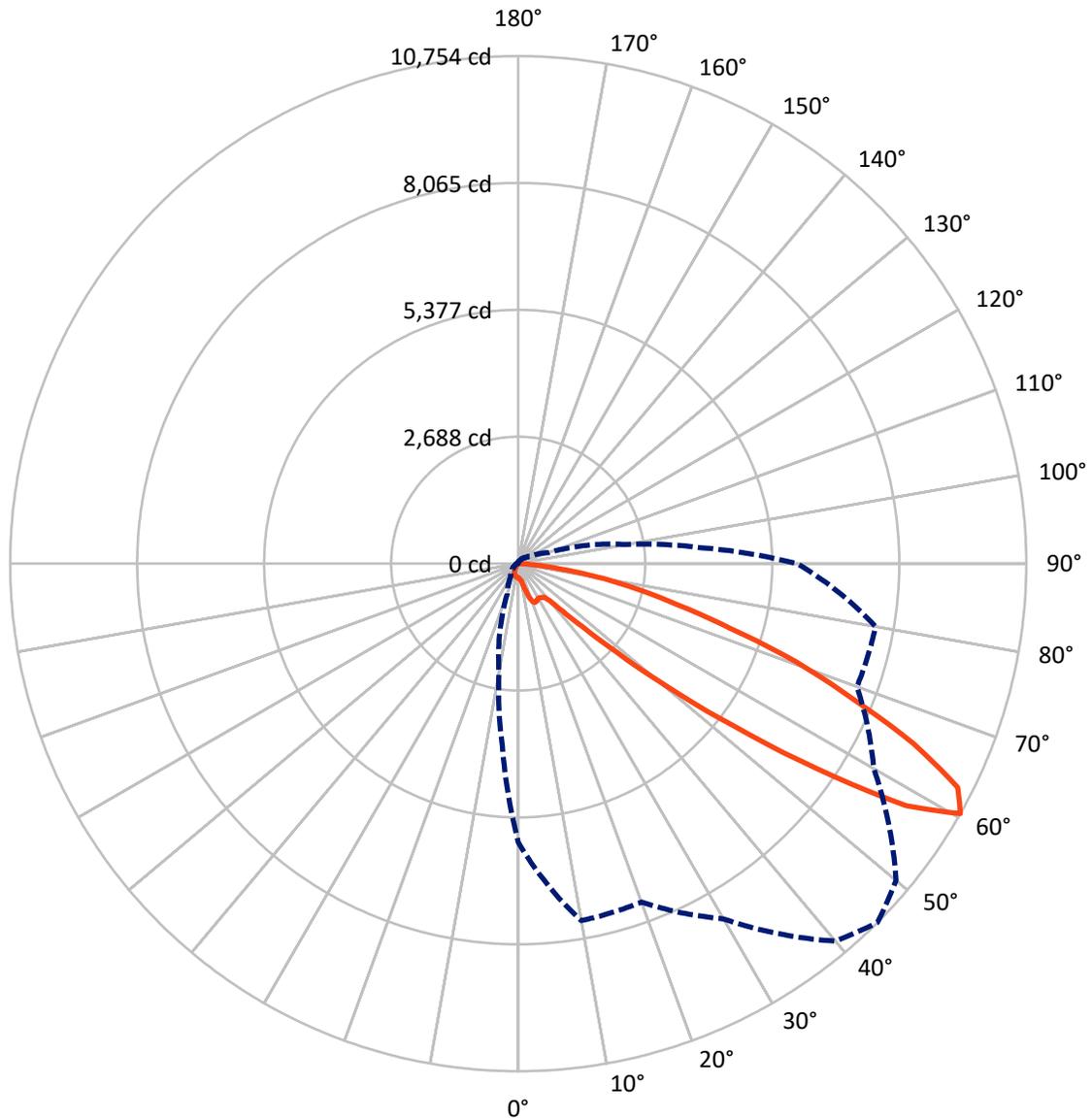
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	708.4	0.0	708.4
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	5440.6	0.0	5440.6
	% Fixture	88.5	0.0	88.5
Total	Lumens	6149.0	0.0	6149.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.0	0.5
10°-20°	94.9	1.5
20°-30°	204.9	3.3
30°-40°	345.2	5.6
40°-50°	697.1	11.3
50°-60°	1793.1	29.2
60°-70°	1949.5	31.7
70°-80°	918.4	14.9
80°-90°	117.9	1.9
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°	6149.0	100.0
0°-180°	6149.0	100.0



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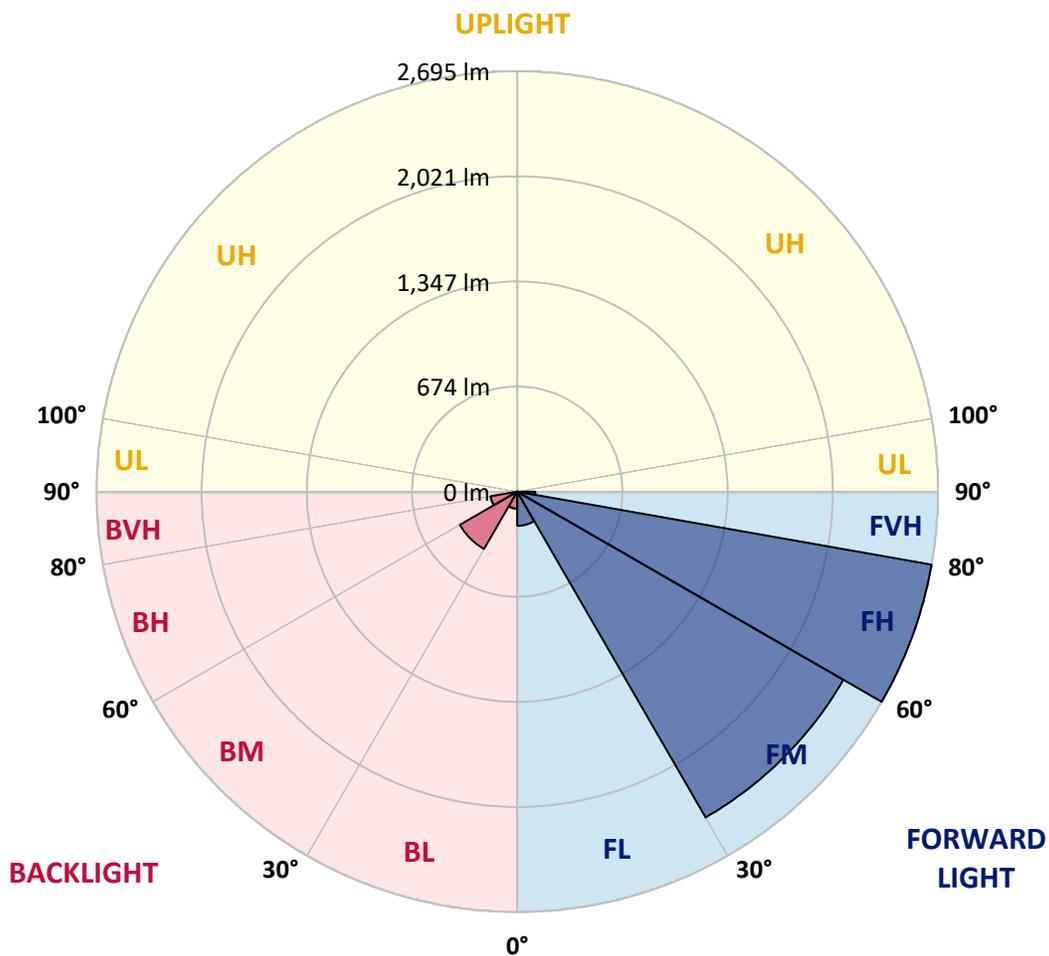
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.8	3.6			
FM	(30°-60°)	2411.4	39.2			
FH	(60°-80°)	2694.5	43.8			G2/5000
FVH	(80°-90°)	115.8	1.9			G2/225
BL	(0°-30°)	108.9	1.8	B0/110		
BM	(30°-60°)	424.0	6.9	B1/1000		
BH	(60°-80°)	173.4	2.8	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
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°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	307.9	308.8	309.8	311.1	312.6	313.2	314.0	314.3	314.6	312.1	314.6
5°	306.9	309.5	312.1	315.2	318.3	320.0	321.7	322.5	323.4	325.6	323.4
7.5°	296.9	303.6	310.2	316.3	322.3	326.9	331.7	335.7	339.6	342.3	339.6
10°	298.0	310.1	322.3	334.1	346.0	355.1	364.3	370.4	376.6	379.9	376.6
12.5°	319.9	339.6	359.3	379.1	398.9	417.6	436.3	448.7	461.1	469.7	461.1
15°	365.3	402.4	439.4	474.1	508.8	537.7	566.8	582.1	597.4	599.1	597.4
17.5°	457.2	511.3	565.5	611.5	657.6	688.4	719.1	733.9	748.6	752.5	748.6
20°	575.6	643.8	711.8	755.3	798.7	819.3	840.0	847.7	855.5	850.7	855.5
22.5°	715.0	787.2	859.5	889.3	919.0	917.0	915.2	908.7	902.2	891.4	902.2
25°	883.5	943.5	1003.6	997.3	991.0	965.6	940.2	918.7	897.2	887.2	897.2
27.5°	1055.2	1087.7	1120.1	1075.7	1031.2	982.8	934.4	905.7	876.9	859.0	876.9
30°	1260.3	1239.3	1218.3	1139.1	1059.9	998.7	937.3	903.3	869.2	848.6	869.2
32.5°	1475.3	1401.2	1327.1	1214.3	1101.4	1030.1	958.7	919.3	879.9	854.8	879.9
35°	1671.6	1550.1	1428.7	1285.7	1142.7	1065.9	989.3	943.8	898.5	878.8	898.5
37.5°	1890.7	1707.7	1524.7	1351.2	1177.9	1094.1	1010.3	968.6	927.0	906.0	927.0
40°	2122.5	1881.9	1641.3	1438.7	1236.0	1162.3	1088.6	1061.3	1033.9	1028.1	1033.9
42.5°	2404.3	2108.8	1813.2	1596.5	1379.8	1345.0	1310.1	1319.4	1328.6	1366.3	1328.6
45°	2913.6	2552.6	2191.7	1947.0	1702.4	1715.3	1728.2	1799.3	1870.5	1912.1	1870.5
47.5°	3656.8	3264.2	2871.6	2559.4	2247.2	2334.0	2421.0	2593.6	2766.3	2803.5	2766.3
50°	4641.5	4224.1	3806.8	3417.1	3027.4	3210.6	3393.7	3723.8	4053.7	4108.2	4053.7
52.5°	5530.8	5208.9	4887.0	4431.1	3975.1	4286.1	4597.2	5081.6	5566.1	5714.5	5566.1
55°	6097.6	6202.8	6307.9	5829.3	5350.8	5730.1	6109.3	6747.6	7386.0	7670.5	7386.0
57.5°	6294.8	6916.5	7538.1	7203.0	6867.9	7259.3	7650.7	8439.5	9228.4	9677.6	9228.4
60°	5901.3	6791.0	7680.7	7654.4	7628.2	8159.4	8690.4	9565.3	10440.2	10753.7	10440.2
62.5°	5251.6	5985.4	6719.1	6852.4	6985.8	7734.1	8482.3	9299.4	10116.4	10437.5	10116.4
65°	4490.7	5147.1	5803.4	5906.6	6009.7	6808.6	7607.7	8345.6	9083.5	9192.3	9083.5
67.5°	3847.8	4512.1	5176.5	5241.3	5306.2	5985.9	6665.6	7212.7	7759.8	7625.6	7759.8
70°	3175.1	3877.6	4580.2	4687.6	4795.0	5276.1	5757.3	6077.1	6396.9	6235.3	6396.9
72.5°	2419.9	3131.4	3843.1	3942.2	4041.4	4375.5	4709.6	4867.8	5025.9	4707.3	5025.9
75°	1686.2	2297.7	2909.1	3039.4	3169.7	3403.9	3638.3	3702.0	3765.6	3471.5	3765.6
77.5°	904.4	1314.3	1724.3	1955.0	2185.8	2439.9	2693.9	2724.2	2754.4	2559.3	2754.4
80°	266.2	454.0	641.9	913.2	1184.4	1489.6	1795.0	1809.8	1824.5	1679.4	1824.5
82.5°	80.4	161.9	243.4	432.1	620.8	842.7	1064.6	1043.7	1022.8	875.7	1022.8
85°	17.7	56.4	95.0	209.8	324.6	426.0	527.3	486.1	444.8	361.1	444.8
87.5°	2.6	15.6	28.4	74.7	121.1	146.1	171.2	139.8	108.3	98.1	108.3
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	314.3	314.0	313.2	312.6	311.1	309.8	308.8	307.9	308.9	308.1	306.9
5°	322.5	321.7	320.0	318.3	315.2	312.1	309.5	306.9	302.9	299.8	297.7
7.5°	335.7	331.7	326.9	322.3	316.3	310.2	303.6	296.9	292.9	289.1	286.0
10°	370.4	364.3	355.1	346.0	334.1	322.3	310.1	298.0	293.0	286.5	281.6
12.5°	448.7	436.3	417.6	398.9	379.1	359.3	339.6	319.9	307.6	294.1	284.1
15°	582.1	566.8	537.7	508.8	474.1	439.4	402.4	365.3	340.1	315.7	297.3
17.5°	733.9	719.1	688.4	657.6	611.5	565.5	511.3	457.2	401.9	355.4	321.6
20°	847.7	840.0	819.3	798.7	755.3	711.8	643.8	575.6	491.2	415.4	360.0
22.5°	908.7	915.2	917.0	919.0	889.3	859.5	787.2	715.0	612.7	506.0	421.5
25°	918.7	940.2	965.6	991.0	997.3	1003.6	943.5	883.5	758.3	613.9	494.2
27.5°	905.7	934.4	982.8	1031.2	1075.7	1120.1	1087.7	1055.2	922.6	752.0	593.5
30°	903.3	937.3	998.7	1059.9	1139.1	1218.3	1239.3	1260.3	1110.4	905.8	704.7
32.5°	919.3	958.7	1030.1	1101.4	1214.3	1327.1	1401.2	1475.3	1316.5	1077.4	829.4
35°	943.8	989.3	1065.9	1142.7	1285.7	1428.7	1550.1	1671.6	1526.2	1264.8	971.2
37.5°	968.6	1010.3	1094.1	1177.9	1351.2	1524.7	1707.7	1890.7	1756.5	1475.6	1131.5
40°	1061.3	1088.6	1162.3	1236.0	1438.7	1641.3	1881.9	2122.5	2009.2	1699.7	1297.6
42.5°	1319.4	1310.1	1345.0	1379.8	1596.5	1813.2	2108.8	2404.3	2278.1	1924.9	1458.7
45°	1799.3	1728.2	1715.3	1702.4	1947.0	2191.7	2552.6	2913.6	2665.1	2196.9	1635.7
47.5°	2593.6	2421.0	2334.0	2247.2	2559.4	2871.6	3264.2	3656.8	3241.9	2545.5	1833.8
50°	3723.8	3393.7	3210.6	3027.4	3417.1	3806.8	4224.1	4641.5	3920.0	2908.9	2023.7
52.5°	5081.6	4597.2	4286.1	3975.1	4431.1	4887.0	5208.9	5530.8	4406.2	3110.4	2105.3
55°	6747.6	6109.3	5730.1	5350.8	5829.3	6307.9	6202.8	6097.6	4590.9	3111.6	2065.2
57.5°	8439.5	7650.7	7259.3	6867.9	7203.0	7538.1	6916.5	6294.8	4358.2	2824.2	1860.1
60°	9565.3	8690.4	8159.4	7628.2	7654.4	7680.7	6791.0	5901.3	3877.2	2333.8	1506.6
62.5°	9299.4	8482.3	7734.1	6985.8	6852.4	6719.1	5985.4	5251.6	3302.5	1886.3	1195.1
65°	8345.6	7607.7	6808.6	6009.7	5906.6	5803.4	5147.1	4490.7	2764.8	1522.6	938.7
67.5°	7212.7	6665.6	5985.9	5306.2	5241.3	5176.5	4512.1	3847.8	2222.8	1172.3	697.3
70°	6077.1	5757.3	5276.1	4795.0	4687.6	4580.2	3877.6	3175.1	1721.5	878.8	517.5
72.5°	4867.8	4709.6	4375.5	4041.4	3942.2	3843.1	3131.4	2419.9	1187.5	579.8	344.0
75°	3702.0	3638.3	3403.9	3169.7	3039.4	2909.1	2297.7	1686.2	758.4	357.0	216.2
77.5°	2724.2	2693.9	2439.9	2185.8	1955.0	1724.3	1314.3	904.4	397.4	187.4	117.7
80°	1809.8	1795.0	1489.6	1184.4	913.2	641.9	454.0	266.2	120.6	64.5	47.1
82.5°	1043.7	1064.6	842.7	620.8	432.1	243.4	161.9	80.4	36.7	23.0	19.6
85°	486.1	527.3	426.0	324.6	209.8	95.0	56.4	17.7	9.0	7.1	6.5
87.5°	139.8	171.2	146.1	121.1	74.7	28.4	15.6	2.6	0.4	0.0	0.0
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°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	305.6	305.0	304.6	304.1	303.7	302.7	302.3	302.6	302.9	302.5	301.9
5°	295.6	293.7	291.7	289.6	287.6	286.0	283.5	283.5	283.4	284.1	284.9
7.5°	282.9	280.2	277.6	275.8	274.0	272.9	272.6	270.7	269.1	269.1	269.1
10°	276.6	273.5	270.3	267.4	264.6	262.0	262.5	261.4	260.1	259.4	258.6
12.5°	274.3	269.2	264.1	260.9	257.8	255.7	254.5	252.9	251.3	250.4	249.5
15°	278.7	269.8	260.9	256.9	252.8	249.5	245.1	244.1	243.2	242.0	240.9
17.5°	287.9	272.6	257.6	252.1	246.5	242.7	240.3	237.8	235.4	233.3	231.2
20°	304.6	280.1	255.7	248.2	240.6	236.9	233.2	229.9	226.7	223.9	221.1
22.5°	336.9	297.1	257.3	245.5	233.8	228.6	222.5	219.6	216.9	213.4	210.0
25°	374.5	315.6	256.8	240.3	223.9	218.1	214.8	210.7	206.7	202.9	199.1
27.5°	435.0	347.6	260.1	237.8	215.2	208.2	204.7	200.8	197.1	193.1	189.1
30°	503.9	386.0	268.0	237.3	206.7	197.8	194.6	191.2	187.9	183.8	179.7
32.5°	581.4	429.2	277.1	238.8	200.4	191.0	185.0	181.2	177.4	173.8	170.1
35°	677.6	484.1	290.4	240.0	189.4	179.0	173.9	170.8	167.5	163.5	159.5
37.5°	787.5	545.5	303.5	241.0	178.5	167.0	163.7	161.2	158.6	154.4	150.1
40°	895.5	605.8	316.0	242.8	169.6	157.1	153.0	151.2	149.5	145.3	141.1
42.5°	992.6	659.9	327.2	245.9	164.7	145.1	143.1	140.8	138.6	134.6	130.7
45°	1074.5	705.8	337.1	252.0	166.8	134.6	131.1	129.1	127.1	124.4	121.9
47.5°	1122.0	733.8	345.5	261.0	176.6	127.9	117.5	116.3	115.0	114.3	113.6
50°	1138.5	746.2	353.8	274.6	195.4	134.6	113.8	109.5	105.2	105.2	105.2
52.5°	1100.3	725.6	350.9	283.1	215.2	157.6	120.1	107.7	95.2	95.0	94.8
55°	1018.7	677.5	336.3	284.1	231.9	189.4	135.8	111.5	87.2	85.0	82.7
57.5°	896.1	610.5	324.8	275.0	225.2	202.0	148.4	115.6	82.7	76.4	70.1
60°	679.5	506.4	333.5	266.8	200.2	181.6	145.5	113.8	82.2	71.0	59.7
62.5°	503.9	403.3	302.7	237.6	172.4	144.0	129.9	107.0	84.0	68.3	52.4
65°	354.9	307.7	260.4	211.7	162.8	113.2	107.3	94.8	82.2	65.1	48.0
67.5°	222.3	201.3	180.4	159.2	138.0	94.5	83.7	74.6	65.5	53.9	42.3
70°	156.0	143.8	131.5	120.7	109.8	79.8	64.9	57.2	49.6	43.4	37.4
72.5°	108.3	99.6	90.8	85.2	79.5	65.8	50.3	43.4	36.5	32.8	29.0
75°	75.4	68.9	62.4	57.3	52.2	43.3	32.8	27.8	22.8	20.8	18.8
77.5°	48.0	43.0	38.1	33.8	29.4	27.1	20.4	17.5	14.6	14.0	13.4
80°	29.7	26.3	23.0	19.6	16.2	15.1	10.4	9.3	8.1	8.1	8.1
82.5°	16.2	14.2	12.3	9.9	7.5	6.3	4.4	3.8	3.1	3.1	3.1
85°	6.1	5.2	4.4	3.5	2.6	1.6	0.6	0.8	1.0	0.9	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2
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°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	301.0	300.1	300.8	301.6	300.7	299.8	300.0	300.1	299.0	298.0	296.8
5°	285.0	285.2	286.4	287.6	288.0	288.3	288.7	289.1	289.3	289.6	289.7
7.5°	269.3	269.5	270.2	270.9	271.8	272.6	274.9	277.1	278.3	279.5	280.9
10°	258.0	257.6	259.8	262.0	262.6	263.2	265.9	268.5	269.9	271.4	272.5
12.5°	248.4	247.4	248.4	249.5	251.4	253.4	257.2	260.9	263.9	266.7	267.3
15°	239.9	238.8	239.6	240.6	241.6	242.7	246.4	250.3	253.5	256.8	258.3
17.5°	229.4	227.5	226.7	226.0	229.4	232.8	236.0	239.2	242.7	246.1	249.0
20°	218.8	216.6	216.1	215.5	217.0	218.4	222.5	226.7	230.9	235.1	236.4
22.5°	206.9	203.7	202.9	202.0	202.7	203.5	205.6	207.7	210.8	214.0	216.3
25°	195.8	192.6	190.0	187.4	187.5	187.7	188.8	190.0	191.1	192.3	193.6
27.5°	185.4	181.6	178.3	174.8	173.5	172.2	171.1	169.9	169.6	169.3	169.1
30°	175.2	170.7	167.0	163.3	159.6	155.7	153.3	150.8	148.2	145.6	143.6
32.5°	165.7	161.3	154.7	148.2	144.2	140.4	135.8	131.3	126.5	121.9	118.8
35°	154.5	149.5	143.4	137.3	130.6	124.0	117.3	110.6	104.4	98.1	94.6
37.5°	143.9	137.8	131.3	124.7	115.4	106.3	98.5	90.8	84.4	78.1	74.3
40°	134.0	126.8	117.9	109.1	99.1	88.9	80.6	72.2	66.2	60.0	56.9
42.5°	123.8	116.9	106.7	96.5	85.5	74.3	65.7	56.9	51.7	46.4	43.6
45°	114.0	106.3	94.4	82.5	72.0	61.6	54.1	46.4	41.5	36.5	34.3
47.5°	105.2	96.9	84.4	72.0	62.1	52.2	45.1	38.1	33.5	29.0	26.9
50°	96.7	88.2	75.7	63.1	54.1	44.9	38.6	32.4	28.1	23.8	21.7
52.5°	87.3	79.8	67.6	55.3	48.1	40.9	35.0	29.0	24.4	19.8	17.7
55°	76.1	69.4	59.3	49.1	42.6	36.0	30.7	25.3	20.5	15.7	13.5
57.5°	64.6	59.0	50.3	41.7	36.3	30.8	25.7	20.7	16.1	11.5	9.6
60°	54.7	49.6	42.3	35.0	29.6	24.2	19.8	15.4	11.4	7.3	5.4
62.5°	47.2	42.0	34.9	27.7	23.4	19.0	15.1	11.3	7.4	3.7	2.0
65°	41.6	35.3	29.1	23.0	18.3	13.6	10.0	6.5	4.0	1.3	0.6
67.5°	35.4	28.4	22.5	16.7	12.6	8.6	5.6	2.6	1.3	0.0	0.0
70°	29.7	22.1	15.8	9.4	6.3	3.1	1.9	0.5	0.2	0.0	0.0
72.5°	22.5	16.2	10.2	4.2	2.7	1.3	0.8	0.2	0.1	0.0	0.0
75°	15.0	11.3	7.2	3.1	2.0	0.8	0.4	0.0	0.0	0.0	0.0
77.5°	11.1	8.9	5.4	2.1	1.3	0.5	0.2	0.0	0.0	0.0	0.0
80°	6.7	5.2	3.1	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	295.6	295.4	295.6	296.8	298.0	299.0	300.1	300.0	299.8	300.7	301.6
5°	290.0	290.2	290.0	289.7	289.6	289.3	289.1	288.7	288.3	288.0	287.6
7.5°	282.3	284.9	282.3	280.9	279.5	278.3	277.1	274.9	272.6	271.8	270.9
10°	273.7	275.5	273.7	272.5	271.4	269.9	268.5	265.9	263.2	262.6	262.0
12.5°	268.0	268.2	268.0	267.3	266.7	263.9	260.9	257.2	253.4	251.4	249.5
15°	259.9	260.9	259.9	258.3	256.8	253.5	250.3	246.4	242.7	241.6	240.6
17.5°	252.1	253.6	252.1	249.0	246.1	242.7	239.2	236.0	232.8	229.4	226.0
20°	237.8	236.9	237.8	236.4	235.1	230.9	226.7	222.5	218.4	217.0	215.5
22.5°	218.7	221.3	218.7	216.3	214.0	210.8	207.7	205.6	203.5	202.7	202.0
25°	195.0	196.2	195.0	193.6	192.3	191.1	190.0	188.8	187.7	187.5	187.4
27.5°	168.9	168.0	168.9	169.1	169.3	169.6	169.9	171.1	172.2	173.5	174.8
30°	141.7	140.9	141.7	143.6	145.6	148.2	150.8	153.3	155.7	159.6	163.3
32.5°	115.6	113.8	115.6	118.8	121.9	126.5	131.3	135.8	140.4	144.2	148.2
35°	91.0	89.8	91.0	94.6	98.1	104.4	110.6	117.3	124.0	130.6	137.3
37.5°	70.8	68.9	70.8	74.3	78.1	84.4	90.8	98.5	106.3	115.4	124.7
40°	53.8	52.2	53.8	56.9	60.0	66.2	72.2	80.6	88.9	99.1	109.1
42.5°	40.7	38.6	40.7	43.6	46.4	51.7	56.9	65.7	74.3	85.5	96.5
45°	32.1	31.3	32.1	34.3	36.5	41.5	46.4	54.1	61.6	72.0	82.5
47.5°	24.8	24.0	24.8	26.9	29.0	33.5	38.1	45.1	52.2	62.1	72.0
50°	19.6	18.8	19.6	21.7	23.8	28.1	32.4	38.6	44.9	54.1	63.1
52.5°	15.7	14.6	15.7	17.7	19.8	24.4	29.0	35.0	40.9	48.1	55.3
55°	11.3	10.4	11.3	13.5	15.7	20.5	25.3	30.7	36.0	42.6	49.1
57.5°	7.8	7.3	7.8	9.6	11.5	16.1	20.7	25.7	30.8	36.3	41.7
60°	3.7	3.1	3.7	5.4	7.3	11.4	15.4	19.8	24.2	29.6	35.0
62.5°	0.2	0.0	0.2	2.0	3.7	7.4	11.3	15.1	19.0	23.4	27.7
65°	0.0	0.0	0.0	0.6	1.3	4.0	6.5	10.0	13.6	18.3	23.0
67.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.6	5.6	8.6	12.6	16.7
70°	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.9	3.1	6.3	9.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.8	1.3	2.7	4.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	2.0	3.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.3	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	300.8	300.1	301.0	301.9	302.5	302.9	302.6	302.3	302.7	303.7	304.1
5°	286.4	285.2	285.0	284.9	284.1	283.4	283.5	283.5	286.0	287.6	289.6
7.5°	270.2	269.5	269.3	269.1	269.1	269.1	270.7	272.6	272.9	274.0	275.8
10°	259.8	257.6	258.0	258.6	259.4	260.1	261.4	262.5	262.0	264.6	267.4
12.5°	248.4	247.4	248.4	249.5	250.4	251.3	252.9	254.5	255.7	257.8	260.9
15°	239.6	238.8	239.9	240.9	242.0	243.2	244.1	245.1	249.5	252.8	256.9
17.5°	226.7	227.5	229.4	231.2	233.3	235.4	237.8	240.3	242.7	246.5	252.1
20°	216.1	216.6	218.8	221.1	223.9	226.7	229.9	233.2	236.9	240.6	248.2
22.5°	202.9	203.7	206.9	210.0	213.4	216.9	219.6	222.5	228.6	233.8	245.5
25°	190.0	192.6	195.8	199.1	202.9	206.7	210.7	214.8	218.1	223.9	240.3
27.5°	178.3	181.6	185.4	189.1	193.1	197.1	200.8	204.7	208.2	215.2	237.8
30°	167.0	170.7	175.2	179.7	183.8	187.9	191.2	194.6	197.8	206.7	237.3
32.5°	154.7	161.3	165.7	170.1	173.8	177.4	181.2	185.0	191.0	200.4	238.8
35°	143.4	149.5	154.5	159.5	163.5	167.5	170.8	173.9	179.0	189.4	240.0
37.5°	131.3	137.8	143.9	150.1	154.4	158.6	161.2	163.7	167.0	178.5	241.0
40°	117.9	126.8	134.0	141.1	145.3	149.5	151.2	153.0	157.1	169.6	242.8
42.5°	106.7	116.9	123.8	130.7	134.6	138.6	140.8	143.1	145.1	164.7	245.9
45°	94.4	106.3	114.0	121.9	124.4	127.1	129.1	131.1	134.6	166.8	252.0
47.5°	84.4	96.9	105.2	113.6	114.3	115.0	116.3	117.5	127.9	176.6	261.0
50°	75.7	88.2	96.7	105.2	105.2	105.2	109.5	113.8	134.6	195.4	274.6
52.5°	67.6	79.8	87.3	94.8	95.0	95.2	107.7	120.1	157.6	215.2	283.1
55°	59.3	69.4	76.1	82.7	85.0	87.2	111.5	135.8	189.4	231.9	284.1
57.5°	50.3	59.0	64.6	70.1	76.4	82.7	115.6	148.4	202.0	225.2	275.0
60°	42.3	49.6	54.7	59.7	71.0	82.2	113.8	145.5	181.6	200.2	266.8
62.5°	34.9	42.0	47.2	52.4	68.3	84.0	107.0	129.9	144.0	172.4	237.6
65°	29.1	35.3	41.6	48.0	65.1	82.2	94.8	107.3	113.2	162.8	211.7
67.5°	22.5	28.4	35.4	42.3	53.9	65.5	74.6	83.7	94.5	138.0	159.2
70°	15.8	22.1	29.7	37.4	43.4	49.6	57.2	64.9	79.8	109.8	120.7
72.5°	10.2	16.2	22.5	29.0	32.8	36.5	43.4	50.3	65.8	79.5	85.2
75°	7.2	11.3	15.0	18.8	20.8	22.8	27.8	32.8	43.3	52.2	57.3
77.5°	5.4	8.9	11.1	13.4	14.0	14.6	17.5	20.4	27.1	29.4	33.8
80°	3.1	5.2	6.7	8.1	8.1	8.1	9.3	10.4	15.1	16.2	19.6
82.5°	1.0	2.1	2.6	3.1	3.1	3.1	3.8	4.4	6.3	7.5	9.9
85°	0.1	0.2	0.5	0.8	0.9	1.0	0.8	0.6	1.6	2.6	3.5
87.5°	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0
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°	305.8	305.8	305.8	305.8	305.8	305.8	305.8
2.5°	304.6	305.0	305.6	306.9	308.1	308.9	307.9
5°	291.7	293.7	295.6	297.7	299.8	302.9	306.9
7.5°	277.6	280.2	282.9	286.0	289.1	292.9	296.9
10°	270.3	273.5	276.6	281.6	286.5	293.0	298.0
12.5°	264.1	269.2	274.3	284.1	294.1	307.6	319.9
15°	260.9	269.8	278.7	297.3	315.7	340.1	365.3
17.5°	257.6	272.6	287.9	321.6	355.4	401.9	457.2
20°	255.7	280.1	304.6	360.0	415.4	491.2	575.6
22.5°	257.3	297.1	336.9	421.5	506.0	612.7	715.0
25°	256.8	315.6	374.5	494.2	613.9	758.3	883.5
27.5°	260.1	347.6	435.0	593.5	752.0	922.6	1055.2
30°	268.0	386.0	503.9	704.7	905.8	1110.4	1260.3
32.5°	277.1	429.2	581.4	829.4	1077.4	1316.5	1475.3
35°	290.4	484.1	677.6	971.2	1264.8	1526.2	1671.6
37.5°	303.5	545.5	787.5	1131.5	1475.6	1756.5	1890.7
40°	316.0	605.8	895.5	1297.6	1699.7	2009.2	2122.5
42.5°	327.2	659.9	992.6	1458.7	1924.9	2278.1	2404.3
45°	337.1	705.8	1074.5	1635.7	2196.9	2665.1	2913.6
47.5°	345.5	733.8	1122.0	1833.8	2545.5	3241.9	3656.8
50°	353.8	746.2	1138.5	2023.7	2908.9	3920.0	4641.5
52.5°	350.9	725.6	1100.3	2105.3	3110.4	4406.2	5530.8
55°	336.3	677.5	1018.7	2065.2	3111.6	4590.9	6097.6
57.5°	324.8	610.5	896.1	1860.1	2824.2	4358.2	6294.8
60°	333.5	506.4	679.5	1506.6	2333.8	3877.2	5901.3
62.5°	302.7	403.3	503.9	1195.1	1886.3	3302.5	5251.6
65°	260.4	307.7	354.9	938.7	1522.6	2764.8	4490.7
67.5°	180.4	201.3	222.3	697.3	1172.3	2222.8	3847.8
70°	131.5	143.8	156.0	517.5	878.8	1721.5	3175.1
72.5°	90.8	99.6	108.3	344.0	579.8	1187.5	2419.9
75°	62.4	68.9	75.4	216.2	357.0	758.4	1686.2
77.5°	38.1	43.0	48.0	117.7	187.4	397.4	904.4
80°	23.0	26.3	29.7	47.1	64.5	120.6	266.2
82.5°	12.3	14.2	16.2	19.6	23.0	36.7	80.4
85°	4.4	5.2	6.1	6.5	7.1	9.0	17.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)