

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: P1208509

Luminaire Tested: UPW-SA1-070-727-U-SLR

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-727-U-SLR
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGH OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6656 lumens
Efficiency: N/A
Efficacy: 99.3 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): 67
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

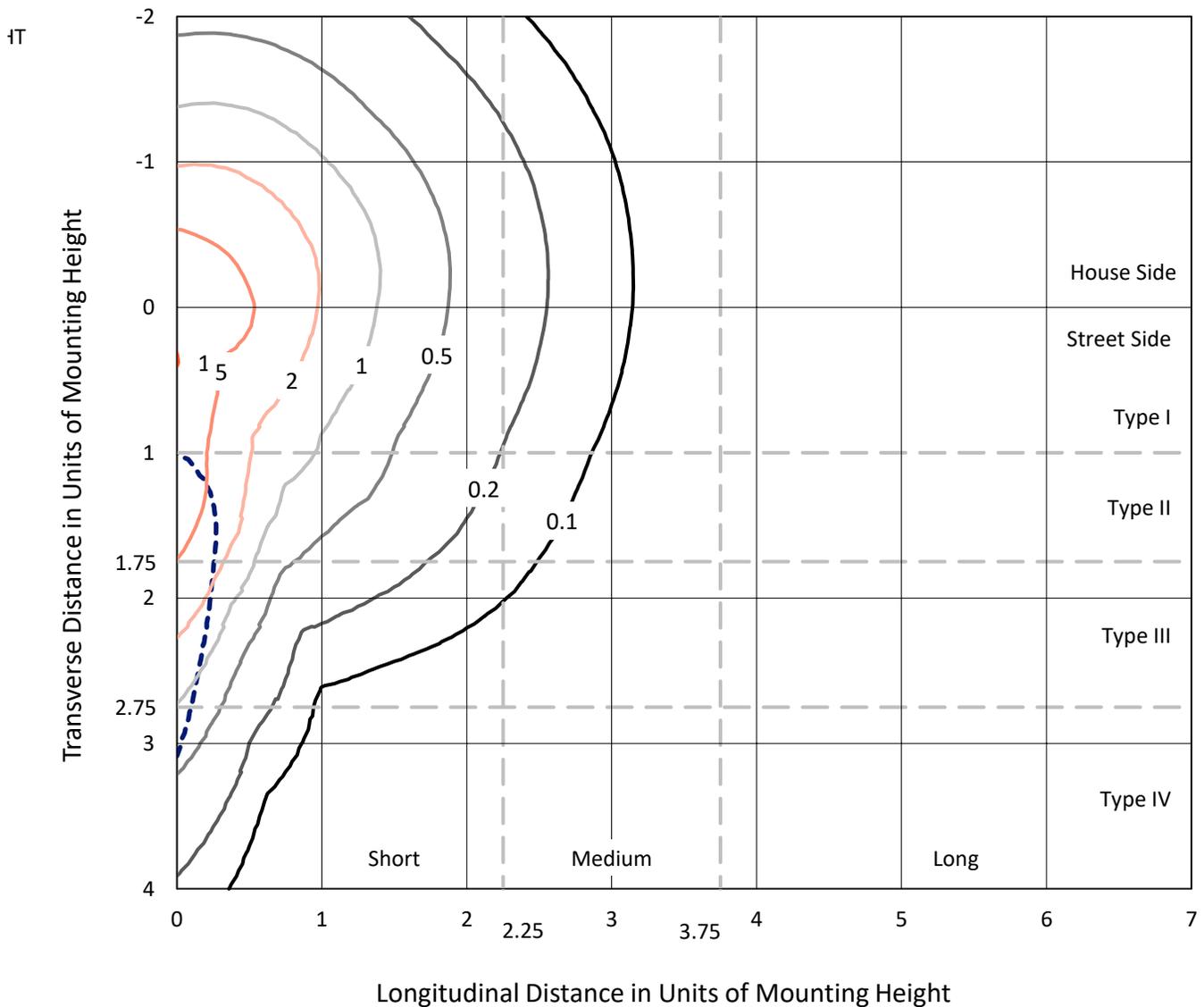


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

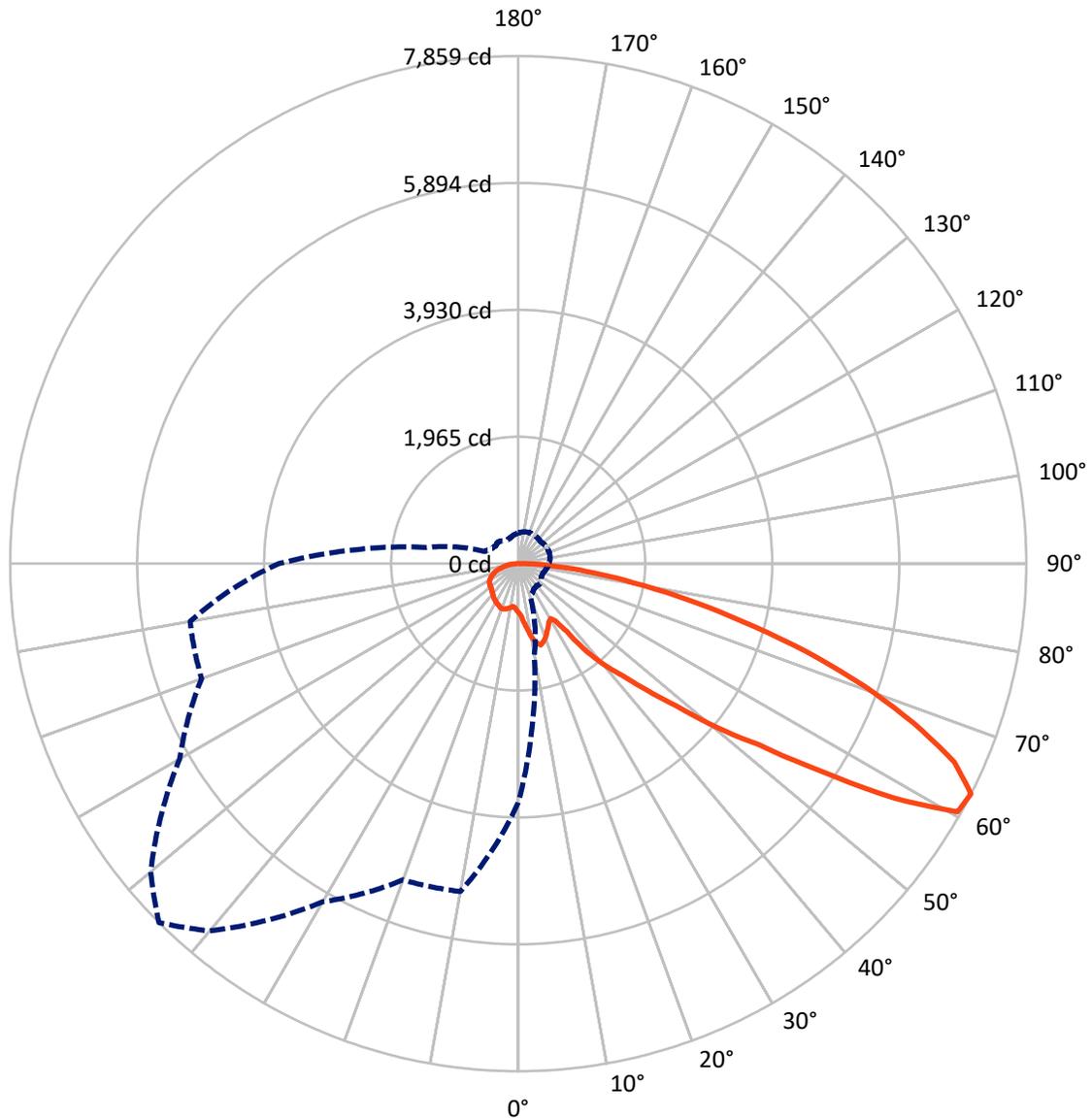


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.2	0.0	1631.2
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5024.8	0.0	5024.8
	% Fixture	75.5	0.0	75.5
Total	Lumens	6656.0	0.0	6656.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.1
10°-20°	255.4	3.8
20°-30°	415.3	6.2
30°-40°	566.5	8.5
40°-50°	857.7	12.9
50°-60°	1474.9	22.2
60°-70°	1729.7	26.0
70°-80°	1031.6	15.5
80°-90°	249.2	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°	6656.0	100.0
0°-180°	6656.0	100.0



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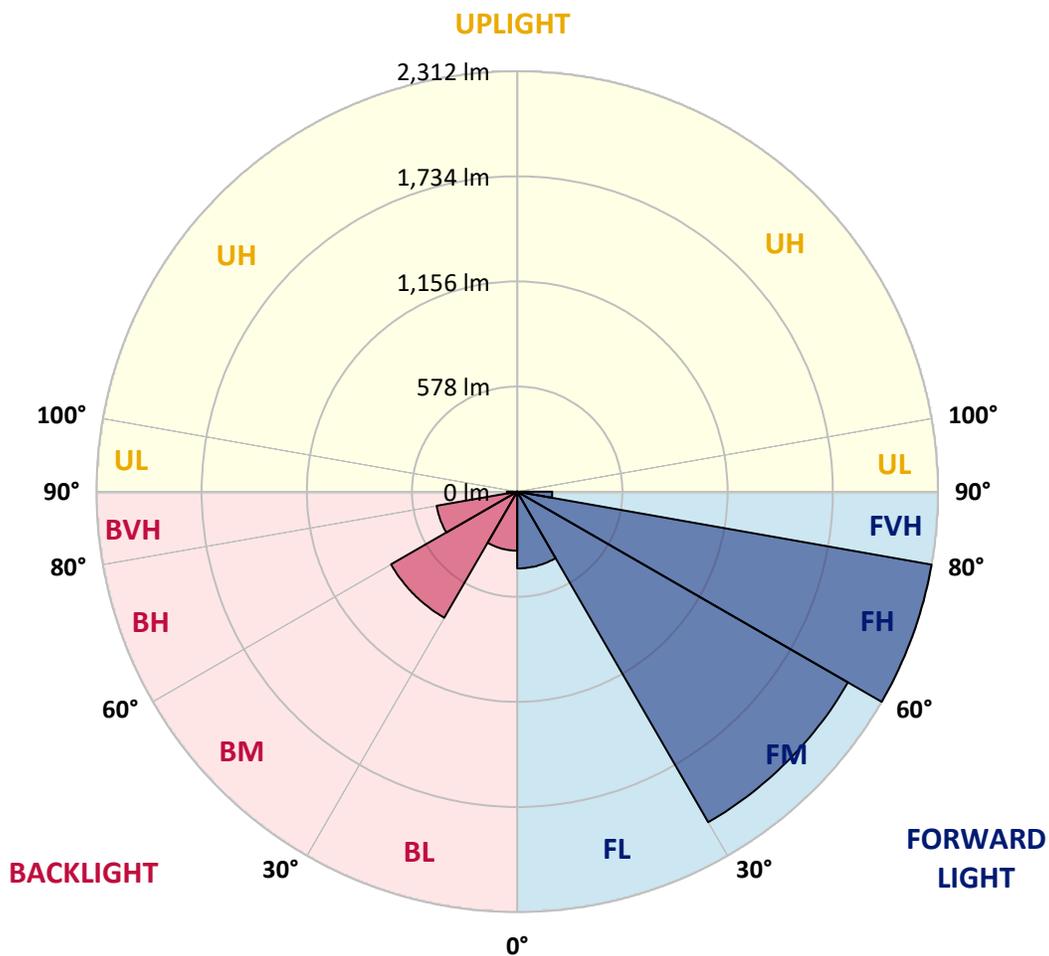
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.9	6.3			
FM	(30°-60°)	2098.5	31.5			
FH	(60°-80°)	2311.9	34.7			G2/5000
FVH	(80°-90°)	192.6	2.9			G2/225
BL	(0°-30°)	324.5	4.9	B1/500		
BM	(30°-60°)	800.6	12.0	B1/1000		
BH	(60°-80°)	449.5	6.8	B1/500		G1/500
BVH	(80°-90°)	56.6	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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	790.0	787.9	787.1	784.4	781.6	776.6	771.7	768.2	764.7	760.6	754.1
5°	845.0	838.8	830.3	818.1	805.9	794.5	783.1	773.5	763.9	755.4	747.4
7.5°	919.7	891.8	868.2	848.8	829.4	810.9	792.6	778.4	764.3	750.9	737.7
10°	974.0	950.9	923.5	890.4	857.5	831.8	806.2	790.4	774.7	762.4	741.6
12.5°	1039.9	1004.2	965.5	925.6	885.8	853.3	821.0	798.2	775.4	758.3	749.6
15°	1105.0	1061.6	1012.7	960.2	907.6	866.6	825.5	799.3	773.2	755.4	750.4
17.5°	1176.7	1113.3	1050.7	988.5	926.2	872.8	819.3	788.6	758.0	740.5	748.6
20°	1227.7	1163.7	1095.8	1020.4	944.8	877.6	810.2	773.1	736.0	718.9	722.6
22.5°	1265.3	1198.4	1125.4	1038.0	950.6	870.9	791.1	749.1	707.2	690.3	704.9
25°	1316.2	1236.2	1150.9	1049.2	947.5	856.6	765.8	723.0	680.2	666.1	681.0
27.5°	1348.9	1276.9	1194.6	1080.1	965.6	860.2	754.6	707.2	659.8	644.5	658.9
30°	1396.5	1322.4	1234.8	1106.5	978.1	862.2	746.2	696.4	646.5	630.0	634.7
32.5°	1444.5	1364.6	1269.1	1123.6	978.0	852.3	726.6	679.8	633.0	618.1	622.7
35°	1483.9	1405.4	1304.7	1139.3	973.8	838.2	702.6	659.7	616.8	605.5	604.1
37.5°	1553.1	1459.3	1339.6	1151.5	963.3	817.3	671.3	630.4	589.5	581.3	578.2
40°	1649.4	1546.2	1402.3	1179.1	956.0	797.1	638.2	598.7	559.2	556.4	554.2
42.5°	1783.7	1641.4	1460.3	1205.5	950.6	780.3	609.9	572.1	534.2	528.9	522.9
45°	2013.9	1795.3	1540.9	1241.5	942.3	766.8	591.3	553.3	515.1	499.5	499.3
47.5°	2399.2	2053.1	1670.5	1299.1	927.7	752.8	578.0	543.4	508.9	484.2	475.0
50°	2908.8	2421.9	1878.0	1400.8	923.7	747.7	571.9	540.2	508.6	472.3	454.9
52.5°	3377.4	2743.6	2045.9	1478.7	911.6	734.8	558.0	533.6	509.2	473.1	449.5
55°	3783.9	2959.7	2114.6	1499.1	883.7	708.3	533.0	524.0	514.9	493.5	452.3
57.5°	4076.9	2991.2	1988.1	1403.7	819.3	668.6	517.9	512.2	506.6	506.9	460.3
60°	4026.7	2805.1	1710.2	1195.9	681.5	594.3	507.1	490.1	473.1	489.4	461.9
62.5°	3699.5	2497.3	1436.5	993.8	551.2	509.8	468.5	454.9	441.2	460.4	450.6
65°	3292.6	2155.6	1179.1	808.5	438.0	429.8	421.6	418.6	415.7	420.6	426.2
67.5°	2824.7	1796.1	940.4	636.1	331.9	339.3	346.6	361.1	375.5	377.5	390.5
70°	2422.3	1471.8	723.2	494.2	265.2	275.2	285.3	306.6	328.0	338.4	350.1
72.5°	1942.1	1135.7	529.6	372.8	216.1	224.8	233.6	257.7	281.9	304.6	317.2
75°	1428.9	817.3	373.4	275.7	177.9	184.4	190.8	213.2	235.6	264.4	277.5
77.5°	990.8	562.9	260.5	203.1	145.6	148.8	151.9	172.3	192.7	226.5	240.1
80°	546.3	324.0	168.1	140.2	112.3	114.5	116.6	133.6	150.6	180.8	196.6
82.5°	270.4	172.8	105.8	94.4	82.9	84.1	85.4	98.3	111.2	132.8	149.8
85°	106.4	78.1	59.4	56.2	53.2	53.9	54.4	62.6	70.7	84.1	101.3
87.5°	38.3	29.8	24.7	23.7	22.5	21.7	21.0	25.1	29.2	36.4	57.4
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	750.8	747.6	744.4	741.2	738.3	735.3	733.0	730.8	726.4	722.1	719.7
5°	738.5	729.6	721.8	714.1	709.2	704.4	699.2	694.0	690.0	686.0	682.8
7.5°	727.2	716.7	708.1	699.6	692.6	685.7	680.7	675.8	674.8	673.9	671.8
10°	730.5	719.4	711.1	702.8	696.4	690.1	686.6	683.2	682.1	681.0	680.9
12.5°	744.5	739.4	733.3	727.3	720.9	714.7	714.9	715.2	709.8	704.4	703.0
15°	752.1	753.9	755.8	757.8	756.1	754.4	748.2	742.0	735.6	729.1	727.0
17.5°	754.5	760.3	769.3	778.2	781.9	785.6	778.3	771.0	760.6	750.4	745.5
20°	736.4	750.2	767.0	783.9	790.0	796.3	789.2	782.1	770.6	759.1	751.4
22.5°	721.9	738.8	756.4	774.0	779.5	784.9	781.0	776.9	764.5	752.0	743.8
25°	697.6	714.2	731.2	748.1	755.8	763.5	762.6	761.7	748.7	735.8	726.7
27.5°	672.9	686.9	701.8	716.7	725.3	734.0	735.2	736.4	726.7	717.1	708.6
30°	644.4	654.0	667.1	680.0	688.9	697.9	701.0	704.0	697.9	691.8	686.0
32.5°	626.8	630.8	640.1	649.4	657.8	666.3	671.0	675.8	674.7	673.8	671.5
35°	603.8	603.6	607.8	612.0	619.7	627.4	636.6	645.6	646.8	648.0	648.9
37.5°	575.6	572.9	575.7	578.3	585.0	591.7	601.2	610.7	617.5	624.2	627.3
40°	550.4	546.7	547.0	547.3	553.3	559.4	568.3	577.2	589.8	602.4	609.3
42.5°	521.1	519.3	518.4	517.3	522.5	527.5	541.1	554.5	568.6	582.6	588.7
45°	495.2	491.3	492.7	494.1	500.5	506.9	518.6	530.4	546.4	562.5	570.1
47.5°	472.9	470.8	473.1	475.3	481.9	488.3	502.7	517.0	532.7	548.4	556.5
50°	453.7	452.4	458.8	465.0	472.5	479.9	492.3	504.7	521.4	538.2	549.3
52.5°	446.2	443.0	452.3	461.5	467.2	472.9	484.5	496.1	514.4	532.7	543.6
55°	441.6	431.1	442.4	453.7	460.6	467.5	480.4	493.2	509.5	525.7	536.2
57.5°	440.1	419.9	431.1	442.2	454.1	466.0	479.0	492.0	508.7	525.3	534.2
60°	438.4	414.9	421.4	427.9	444.9	461.9	474.2	486.5	501.9	517.3	523.5
62.5°	430.7	410.7	410.0	409.3	427.6	445.7	459.8	473.8	487.9	501.9	506.3
65°	413.2	400.2	394.4	388.7	404.7	420.9	435.8	450.8	462.4	474.0	479.3
67.5°	383.4	376.2	371.8	367.3	383.0	398.7	410.2	421.8	433.3	444.8	449.2
70°	351.1	352.0	348.7	345.3	356.9	368.3	383.1	398.0	404.3	410.7	413.2
72.5°	317.2	317.2	315.7	314.0	325.4	336.8	346.6	356.3	362.3	368.3	371.2
75°	278.8	280.1	279.0	278.0	287.8	297.5	306.5	315.4	321.9	328.4	330.1
77.5°	243.2	246.2	245.0	243.8	249.8	255.7	259.5	263.3	270.8	278.2	279.6
80°	201.1	205.4	205.1	204.7	207.5	210.4	211.3	212.4	217.9	223.3	224.8
82.5°	156.7	163.6	168.7	173.7	175.5	177.4	169.2	161.0	165.4	169.7	173.2
85°	114.1	126.8	136.1	145.4	139.9	134.5	113.4	92.2	100.6	109.0	114.6
87.5°	70.4	83.5	88.2	93.0	85.6	78.3	62.8	47.2	54.0	60.8	66.3
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	717.2	716.4	715.6	717.4	719.1	721.5	719.1	717.4	715.6	716.4	717.2
5°	679.7	678.4	677.0	677.5	677.8	677.6	677.8	677.5	677.0	678.4	679.7
7.5°	669.8	669.6	669.4	670.0	670.6	668.0	670.6	670.0	669.4	669.6	669.8
10°	680.8	682.8	684.9	686.6	688.4	687.3	688.4	686.6	684.9	682.8	680.8
12.5°	701.6	704.3	706.8	707.8	708.7	706.6	708.7	707.8	706.8	704.3	701.6
15°	724.9	724.6	724.5	723.6	722.6	721.5	722.6	723.6	724.5	724.6	724.9
17.5°	740.7	738.6	736.4	735.4	734.3	735.7	734.3	735.4	736.4	738.6	740.7
20°	743.8	742.7	741.6	741.5	741.5	740.9	741.5	741.5	741.6	742.7	743.8
22.5°	735.5	732.0	728.6	730.1	731.6	736.4	731.6	730.1	728.6	732.0	735.5
25°	717.7	715.9	714.2	713.8	713.3	711.1	713.3	713.8	714.2	715.9	717.7
27.5°	700.1	698.6	697.1	699.1	700.8	702.2	700.8	699.1	697.1	698.6	700.1
30°	680.2	680.5	680.8	683.7	686.6	691.8	686.6	683.7	680.8	680.5	680.2
32.5°	669.3	666.3	663.4	664.3	665.4	669.4	665.4	664.3	663.4	666.3	669.3
35°	649.7	649.7	649.7	652.2	654.6	659.8	654.6	652.2	649.7	649.7	649.7
37.5°	630.4	632.9	635.2	636.3	637.3	637.5	637.3	636.3	635.2	632.9	630.4
40°	616.3	616.6	616.8	615.3	613.8	614.4	613.8	615.3	616.8	616.6	616.3
42.5°	594.9	597.6	600.3	600.9	601.6	603.2	601.6	600.9	600.3	597.6	594.9
45°	577.8	579.1	580.6	580.2	579.8	578.0	579.8	580.2	580.6	579.1	577.8
47.5°	564.6	565.8	566.9	567.9	568.9	570.5	568.9	567.9	566.9	565.8	564.6
50°	560.5	560.1	559.7	556.8	553.8	552.7	553.8	556.8	559.7	560.1	560.5
52.5°	554.3	555.3	556.2	554.5	552.8	553.4	552.8	554.5	556.2	555.3	554.3
55°	546.6	547.6	548.8	545.5	542.3	540.0	542.3	545.5	548.8	547.6	546.6
57.5°	543.1	541.1	539.1	536.6	534.1	534.8	534.1	536.6	539.1	541.1	543.1
60°	529.6	527.2	524.8	519.3	513.8	509.5	513.8	519.3	524.8	527.2	529.6
62.5°	510.6	508.3	506.0	499.8	493.5	485.7	493.5	499.8	506.0	508.3	510.6
65°	484.6	480.8	476.9	470.8	464.5	460.4	464.5	470.8	476.9	480.8	484.6
67.5°	453.6	449.3	445.2	437.0	428.8	422.5	428.8	437.0	445.2	449.3	453.6
70°	415.7	411.6	407.6	402.4	397.2	392.7	397.2	402.4	407.6	411.6	415.7
72.5°	374.0	369.5	365.1	358.1	351.1	346.6	351.1	358.1	365.1	369.5	374.0
75°	331.7	326.2	320.6	313.3	306.1	299.8	306.1	313.3	320.6	326.2	331.7
77.5°	281.0	276.8	272.6	265.8	259.0	252.9	259.0	265.8	272.6	276.8	281.0
80°	226.3	224.3	222.3	216.6	211.1	203.1	211.1	216.6	222.3	224.3	226.3
82.5°	176.4	175.5	174.7	170.0	165.3	158.4	165.3	170.0	174.7	175.5	176.4
85°	120.1	121.1	122.0	118.7	115.4	110.1	115.4	118.7	122.0	121.1	120.1
87.5°	72.0	68.4	64.7	57.3	49.8	41.7	49.8	57.3	64.7	68.4	72.0
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	719.7	722.1	726.4	730.8	733.0	735.3	738.3	741.2	744.4	747.6	750.8
5°	682.8	686.0	690.0	694.0	699.2	704.4	709.2	714.1	721.8	729.6	738.5
7.5°	671.8	673.9	674.8	675.8	680.7	685.7	692.6	699.6	708.1	716.7	727.2
10°	680.9	681.0	682.1	683.2	686.6	690.1	696.4	702.8	711.1	719.4	730.5
12.5°	703.0	704.4	709.8	715.2	714.9	714.7	720.9	727.3	733.3	739.4	744.5
15°	727.0	729.1	735.6	742.0	748.2	754.4	756.1	757.8	755.8	753.9	752.1
17.5°	745.5	750.4	760.6	771.0	778.3	785.6	781.9	778.2	769.3	760.3	754.5
20°	751.4	759.1	770.6	782.1	789.2	796.3	790.0	783.9	767.0	750.2	736.4
22.5°	743.8	752.0	764.5	776.9	781.0	784.9	779.5	774.0	756.4	738.8	721.9
25°	726.7	735.8	748.7	761.7	762.6	763.5	755.8	748.1	731.2	714.2	697.6
27.5°	708.6	717.1	726.7	736.4	735.2	734.0	725.3	716.7	701.8	686.9	672.9
30°	686.0	691.8	697.9	704.0	701.0	697.9	688.9	680.0	667.1	654.0	644.4
32.5°	671.5	673.8	674.7	675.8	671.0	666.3	657.8	649.4	640.1	630.8	626.8
35°	648.9	648.0	646.8	645.6	636.6	627.4	619.7	612.0	607.8	603.6	603.8
37.5°	627.3	624.2	617.5	610.7	601.2	591.7	585.0	578.3	575.7	572.9	575.6
40°	609.3	602.4	589.8	577.2	568.3	559.4	553.3	547.3	547.0	546.7	550.4
42.5°	588.7	582.6	568.6	554.5	541.1	527.5	522.5	517.3	518.4	519.3	521.1
45°	570.1	562.5	546.4	530.4	518.6	506.9	500.5	494.1	492.7	491.3	495.2
47.5°	556.5	548.4	532.7	517.0	502.7	488.3	481.9	475.3	473.1	470.8	472.9
50°	549.3	538.2	521.4	504.7	492.3	479.9	472.5	465.0	458.8	452.4	453.7
52.5°	543.6	532.7	514.4	496.1	484.5	472.9	467.2	461.5	452.3	443.0	446.2
55°	536.2	525.7	509.5	493.2	480.4	467.5	460.6	453.7	442.4	431.1	441.6
57.5°	534.2	525.3	508.7	492.0	479.0	466.0	454.1	442.2	431.1	419.9	440.1
60°	523.5	517.3	501.9	486.5	474.2	461.9	444.9	427.9	421.4	414.9	438.4
62.5°	506.3	501.9	487.9	473.8	459.8	445.7	427.6	409.3	410.0	410.7	430.7
65°	479.3	474.0	462.4	450.8	435.8	420.9	404.7	388.7	394.4	400.2	413.2
67.5°	449.2	444.8	433.3	421.8	410.2	398.7	383.0	367.3	371.8	376.2	383.4
70°	413.2	410.7	404.3	398.0	383.1	368.3	356.9	345.3	348.7	352.0	351.1
72.5°	371.2	368.3	362.3	356.3	346.6	336.8	325.4	314.0	315.7	317.2	317.2
75°	330.1	328.4	321.9	315.4	306.5	297.5	287.8	278.0	279.0	280.1	278.8
77.5°	279.6	278.2	270.8	263.3	259.5	255.7	249.8	243.8	245.0	246.2	243.2
80°	224.8	223.3	217.9	212.4	211.3	210.4	207.5	204.7	205.1	205.4	201.1
82.5°	173.2	169.7	165.4	161.0	169.2	177.4	175.5	173.7	168.7	163.6	156.7
85°	114.6	109.0	100.6	92.2	113.4	134.5	139.9	145.4	136.1	126.8	114.1
87.5°	66.3	60.8	54.0	47.2	62.8	78.3	85.6	93.0	88.2	83.5	70.4
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	754.1	760.6	764.7	768.2	771.7	776.6	781.6	784.4	787.1	787.9	790.0
5°	747.4	755.4	763.9	773.5	783.1	794.5	805.9	818.1	830.3	838.8	845.0
7.5°	737.7	750.9	764.3	778.4	792.6	810.9	829.4	848.8	868.2	891.8	919.7
10°	741.6	762.4	774.7	790.4	806.2	831.8	857.5	890.4	923.5	950.9	974.0
12.5°	749.6	758.3	775.4	798.2	821.0	853.3	885.8	925.6	965.5	1004.2	1039.9
15°	750.4	755.4	773.2	799.3	825.5	866.6	907.6	960.2	1012.7	1061.6	1105.0
17.5°	748.6	740.5	758.0	788.6	819.3	872.8	926.2	988.5	1050.7	1113.3	1176.7
20°	722.6	718.9	736.0	773.1	810.2	877.6	944.8	1020.4	1095.8	1163.7	1227.7
22.5°	704.9	690.3	707.2	749.1	791.1	870.9	950.6	1038.0	1125.4	1198.4	1265.3
25°	681.0	666.1	680.2	723.0	765.8	856.6	947.5	1049.2	1150.9	1236.2	1316.2
27.5°	658.9	644.5	659.8	707.2	754.6	860.2	965.6	1080.1	1194.6	1276.9	1348.9
30°	634.7	630.0	646.5	696.4	746.2	862.2	978.1	1106.5	1234.8	1322.4	1396.5
32.5°	622.7	618.1	633.0	679.8	726.6	852.3	978.0	1123.6	1269.1	1364.6	1444.5
35°	604.1	605.5	616.8	659.7	702.6	838.2	973.8	1139.3	1304.7	1405.4	1483.9
37.5°	578.2	581.3	589.5	630.4	671.3	817.3	963.3	1151.5	1339.6	1459.3	1553.1
40°	554.2	556.4	559.2	598.7	638.2	797.1	956.0	1179.1	1402.3	1546.2	1649.4
42.5°	522.9	528.9	534.2	572.1	609.9	780.3	950.6	1205.5	1460.3	1641.4	1783.7
45°	499.3	499.5	515.1	553.3	591.3	766.8	942.3	1241.5	1540.9	1795.3	2013.9
47.5°	475.0	484.2	508.9	543.4	578.0	752.8	927.7	1299.1	1670.5	2053.1	2399.2
50°	454.9	472.3	508.6	540.2	571.9	747.7	923.7	1400.8	1878.0	2421.9	2908.8
52.5°	449.5	473.1	509.2	533.6	558.0	734.8	911.6	1478.7	2045.9	2743.6	3377.4
55°	452.3	493.5	514.9	524.0	533.0	708.3	883.7	1499.1	2114.6	2959.7	3783.9
57.5°	460.3	506.9	506.6	512.2	517.9	668.6	819.3	1403.7	1988.1	2991.2	4076.9
60°	461.9	489.4	473.1	490.1	507.1	594.3	681.5	1195.9	1710.2	2805.1	4026.7
62.5°	450.6	460.4	441.2	454.9	468.5	509.8	551.2	993.8	1436.5	2497.3	3699.5
65°	426.2	420.6	415.7	418.6	421.6	429.8	438.0	808.5	1179.1	2155.6	3292.6
67.5°	390.5	377.5	375.5	361.1	346.6	339.3	331.9	636.1	940.4	1796.1	2824.7
70°	350.1	338.4	328.0	306.6	285.3	275.2	265.2	494.2	723.2	1471.8	2422.3
72.5°	317.2	304.6	281.9	257.7	233.6	224.8	216.1	372.8	529.6	1135.7	1942.1
75°	277.5	264.4	235.6	213.2	190.8	184.4	177.9	275.7	373.4	817.3	1428.9
77.5°	240.1	226.5	192.7	172.3	151.9	148.8	145.6	203.1	260.5	562.9	990.8
80°	196.6	180.8	150.6	133.6	116.6	114.5	112.3	140.2	168.1	324.0	546.3
82.5°	149.8	132.8	111.2	98.3	85.4	84.1	82.9	94.4	105.8	172.8	270.4
85°	101.3	84.1	70.7	62.6	54.4	53.9	53.2	56.2	59.4	78.1	106.4
87.5°	57.4	36.4	29.2	25.1	21.0	21.7	22.5	23.7	24.7	29.8	38.3
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	793.3	796.6	798.1	799.5	800.8	802.2	803.3	804.4	801.9	804.4	803.3
5°	855.4	865.8	874.8	883.8	890.7	897.4	900.8	904.2	909.7	904.2	900.8
7.5°	934.0	948.2	967.8	987.4	1000.8	1014.0	1019.8	1025.6	1027.2	1025.6	1019.8
10°	1010.5	1046.9	1068.6	1090.3	1106.2	1122.1	1135.7	1149.4	1164.8	1149.4	1135.7
12.5°	1081.4	1122.8	1154.1	1185.3	1205.4	1225.5	1238.9	1252.5	1257.1	1252.5	1238.9
15°	1150.3	1195.5	1224.8	1254.1	1269.7	1285.3	1292.0	1298.7	1306.9	1298.7	1292.0
17.5°	1210.7	1244.6	1263.9	1283.3	1283.9	1284.6	1276.2	1267.8	1266.0	1267.8	1276.2
20°	1255.7	1283.9	1284.2	1284.6	1267.9	1251.1	1236.5	1222.0	1215.4	1222.0	1236.5
22.5°	1284.5	1303.8	1283.9	1264.1	1227.0	1189.8	1168.6	1147.5	1141.8	1147.5	1168.6
25°	1319.2	1322.2	1281.8	1241.5	1189.5	1137.7	1110.6	1083.5	1077.1	1083.5	1110.6
27.5°	1339.6	1330.1	1268.9	1207.6	1146.7	1085.8	1055.0	1024.1	1015.3	1024.1	1055.0
30°	1362.6	1328.5	1249.6	1170.6	1109.4	1048.1	1022.2	996.4	988.6	996.4	1022.2
32.5°	1387.8	1331.1	1246.5	1161.9	1119.2	1076.5	1069.5	1062.4	1057.0	1062.4	1069.5
35°	1420.3	1356.6	1292.9	1229.2	1235.7	1242.2	1265.1	1288.1	1287.6	1288.1	1265.1
37.5°	1488.0	1422.8	1412.2	1401.8	1483.9	1566.1	1632.1	1698.0	1732.4	1698.0	1632.1
40°	1603.7	1558.0	1596.1	1634.2	1748.5	1862.7	1940.8	2018.9	2076.0	2018.9	1940.8
42.5°	1757.7	1731.6	1779.3	1827.0	1952.4	2077.7	2184.2	2290.6	2370.6	2290.6	2184.2
45°	1987.1	1960.1	1982.9	2005.5	2162.5	2319.4	2486.2	2653.0	2793.8	2653.0	2486.2
47.5°	2336.8	2274.3	2255.2	2236.1	2447.6	2659.1	2902.7	3146.6	3291.5	3146.6	2902.7
50°	2811.1	2713.5	2624.4	2535.4	2833.7	3132.1	3487.1	3842.0	3991.4	3842.0	3487.1
52.5°	3287.7	3198.1	3041.5	2885.0	3238.1	3591.2	4052.2	4513.1	4656.4	4513.1	4052.2
55°	3821.4	3858.9	3647.0	3435.2	3826.9	4218.6	4809.2	5399.6	5652.4	5399.6	4809.2
57.5°	4410.3	4743.8	4517.4	4291.0	4656.7	5022.4	5724.2	6426.2	6849.2	6426.2	5724.2
60°	4695.0	5363.2	5262.7	5162.2	5474.6	5787.0	6548.6	7310.2	7804.3	7310.2	6548.6
62.5°	4426.7	5154.0	5182.4	5210.7	5627.9	6045.1	6733.6	7422.1	7859.3	7422.1	6733.6
65°	3977.1	4661.6	4703.6	4745.7	5228.0	5710.4	6385.7	7061.1	7413.8	7061.1	6385.7
67.5°	3536.6	4248.4	4273.8	4299.2	4740.1	5180.9	5788.8	6396.7	6599.3	6396.7	5788.8
70°	3100.4	3778.5	3834.1	3889.7	4274.7	4659.5	5109.6	5559.7	5675.4	5559.7	5109.6
72.5°	2624.2	3306.2	3391.1	3476.1	3758.1	4040.1	4354.8	4669.5	4658.6	4669.5	4354.8
75°	2068.0	2707.2	2824.7	2942.2	3115.2	3288.1	3454.3	3620.5	3573.4	3620.5	3454.3
77.5°	1507.7	2024.6	2149.0	2273.5	2395.5	2517.5	2634.7	2751.8	2677.8	2751.8	2634.7
80°	914.6	1283.0	1423.0	1563.2	1690.7	1818.1	1878.6	1938.9	1814.2	1938.9	1878.6
82.5°	476.1	681.7	821.1	960.4	1089.6	1218.8	1256.6	1294.4	1175.3	1294.4	1256.6
85°	209.6	312.8	416.8	520.8	622.6	724.3	728.2	732.2	646.4	732.2	728.2
87.5°	80.5	122.7	176.3	229.8	284.5	339.2	337.3	335.2	276.7	335.2	337.3
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):

	330°	335°	340°	345°	350°	355°	360°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	802.2	800.8	799.5	798.1	796.6	793.3	790.0
5°	897.4	890.7	883.8	874.8	865.8	855.4	845.0
7.5°	1014.0	1000.8	987.4	967.8	948.2	934.0	919.7
10°	1122.1	1106.2	1090.3	1068.6	1046.9	1010.5	974.0
12.5°	1225.5	1205.4	1185.3	1154.1	1122.8	1081.4	1039.9
15°	1285.3	1269.7	1254.1	1224.8	1195.5	1150.3	1105.0
17.5°	1284.6	1283.9	1283.3	1263.9	1244.6	1210.7	1176.7
20°	1251.1	1267.9	1284.6	1284.2	1283.9	1255.7	1227.7
22.5°	1189.8	1227.0	1264.1	1283.9	1303.8	1284.5	1265.3
25°	1137.7	1189.5	1241.5	1281.8	1322.2	1319.2	1316.2
27.5°	1085.8	1146.7	1207.6	1268.9	1330.1	1339.6	1348.9
30°	1048.1	1109.4	1170.6	1249.6	1328.5	1362.6	1396.5
32.5°	1076.5	1119.2	1161.9	1246.5	1331.1	1387.8	1444.5
35°	1242.2	1235.7	1229.2	1292.9	1356.6	1420.3	1483.9
37.5°	1566.1	1483.9	1401.8	1412.2	1422.8	1488.0	1553.1
40°	1862.7	1748.5	1634.2	1596.1	1558.0	1603.7	1649.4
42.5°	2077.7	1952.4	1827.0	1779.3	1731.6	1757.7	1783.7
45°	2319.4	2162.5	2005.5	1982.9	1960.1	1987.1	2013.9
47.5°	2659.1	2447.6	2236.1	2255.2	2274.3	2336.8	2399.2
50°	3132.1	2833.7	2535.4	2624.4	2713.5	2811.1	2908.8
52.5°	3591.2	3238.1	2885.0	3041.5	3198.1	3287.7	3377.4
55°	4218.6	3826.9	3435.2	3647.0	3858.9	3821.4	3783.9
57.5°	5022.4	4656.7	4291.0	4517.4	4743.8	4410.3	4076.9
60°	5787.0	5474.6	5162.2	5262.7	5363.2	4695.0	4026.7
62.5°	6045.1	5627.9	5210.7	5182.4	5154.0	4426.7	3699.5
65°	5710.4	5228.0	4745.7	4703.6	4661.6	3977.1	3292.6
67.5°	5180.9	4740.1	4299.2	4273.8	4248.4	3536.6	2824.7
70°	4659.5	4274.7	3889.7	3834.1	3778.5	3100.4	2422.3
72.5°	4040.1	3758.1	3476.1	3391.1	3306.2	2624.2	1942.1
75°	3288.1	3115.2	2942.2	2824.7	2707.2	2068.0	1428.9
77.5°	2517.5	2395.5	2273.5	2149.0	2024.6	1507.7	990.8
80°	1818.1	1690.7	1563.2	1423.0	1283.0	914.6	546.3
82.5°	1218.8	1089.6	960.4	821.1	681.7	476.1	270.4
85°	724.3	622.6	520.8	416.8	312.8	209.6	106.4
87.5°	339.2	284.5	229.8	176.3	122.7	80.5	38.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)