

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: P1207805

Luminaire Tested: UPW-SA1-030-730-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207805
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-SA1-030-730-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4354 lumens
Efficiency: N/A
Efficacy: 128.1 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): 34
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

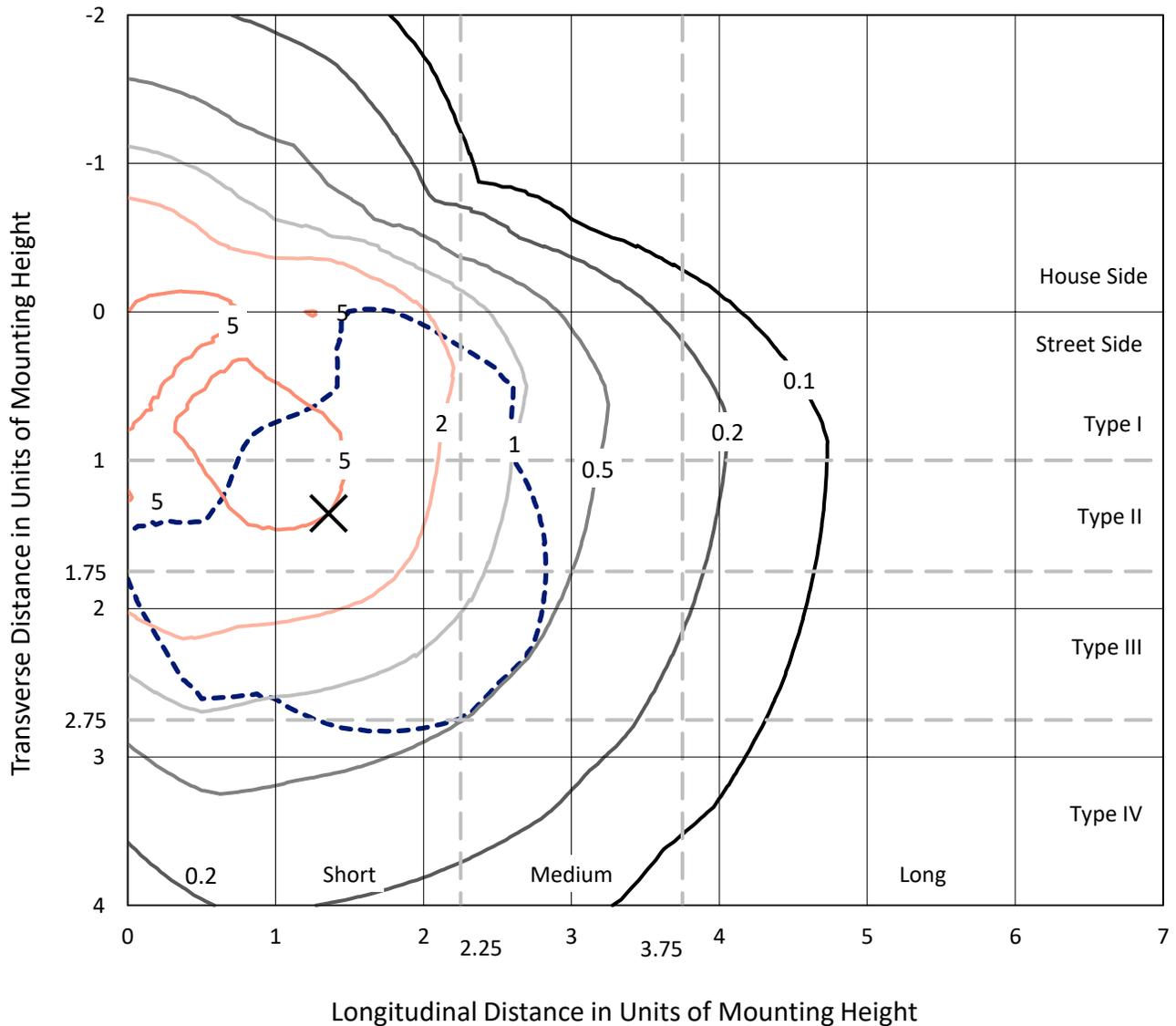


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

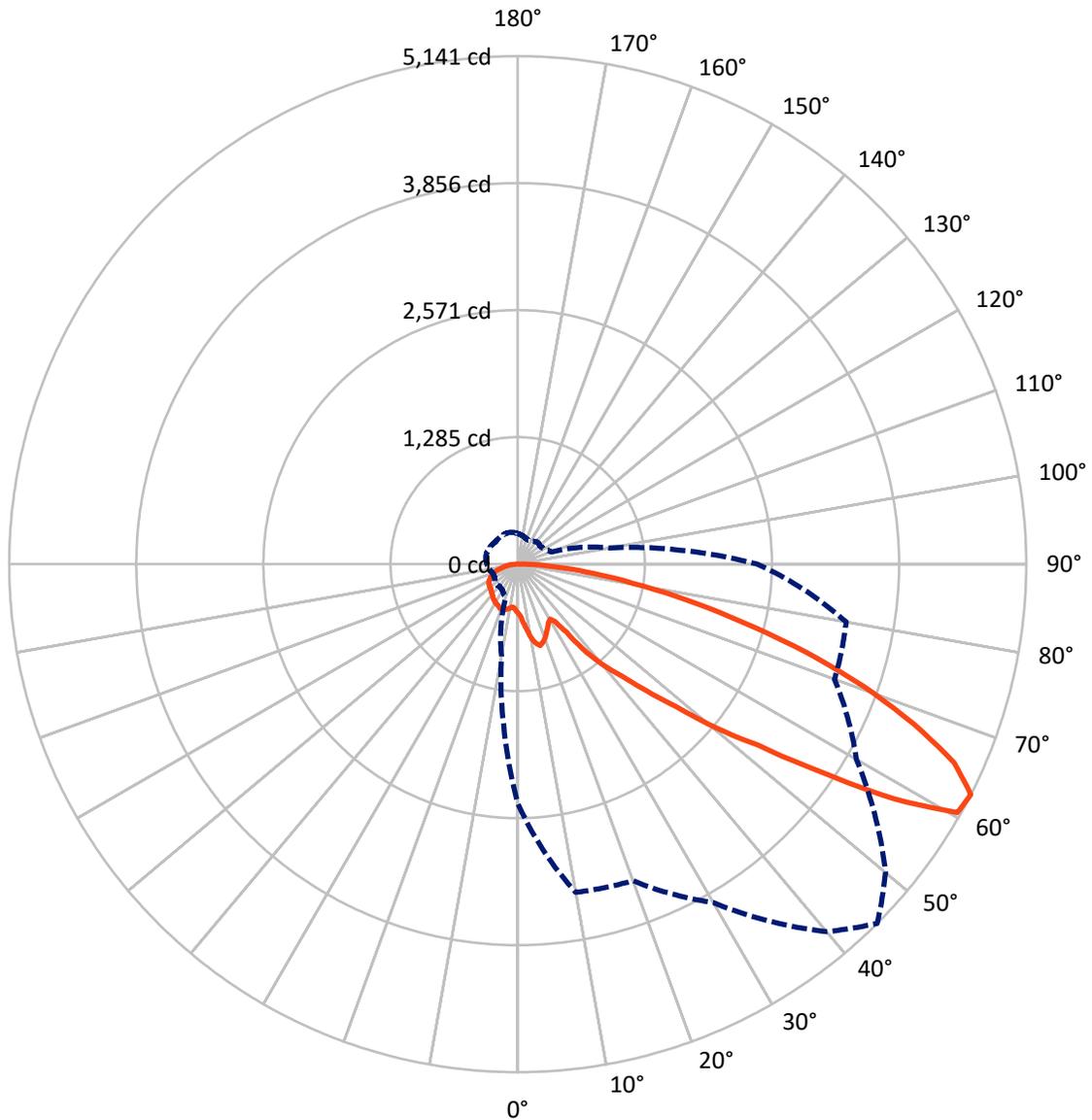


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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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	1067.0	0.0	1067.0
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3287.0	0.0	3287.0
	% Fixture	75.5	0.0	75.5
Total	Lumens	4354.0	0.0	4354.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	1.1
10°-20°	167.0	3.8
20°-30°	271.7	6.2
30°-40°	370.5	8.5
40°-50°	561.1	12.9
50°-60°	964.8	22.2
60°-70°	1131.5	26.0
70°-80°	674.8	15.5
80°-90°	163.0	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°	4354.0	100.0
0°-180°	4354.0	100.0



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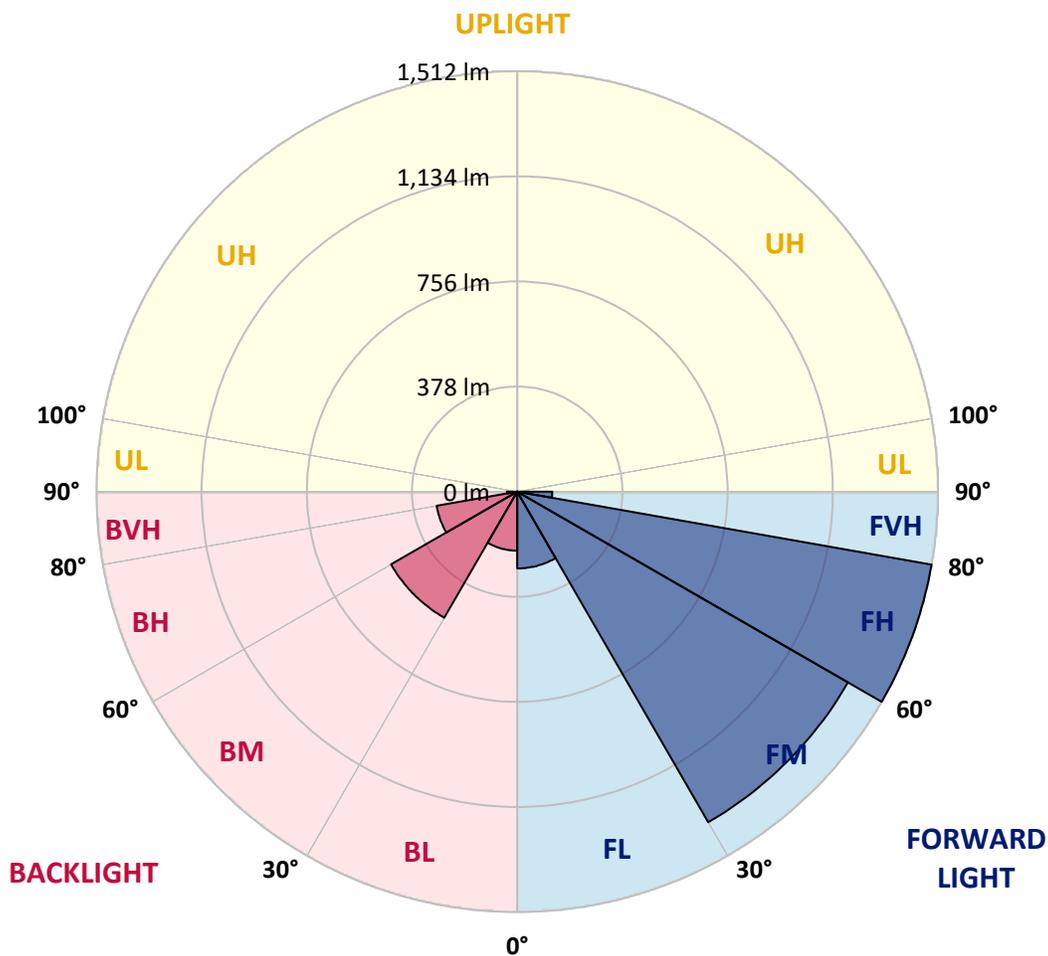
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	276.0	6.3			
FM	(30°-60°)	1372.7	31.5			
FH	(60°-80°)	1512.3	34.7			G1/1800
FVH	(80°-90°)	126.0	2.9			G2/225
BL	(0°-30°)	212.3	4.9	B1/500		
BM	(30°-60°)	523.7	12.0	B1/1000		
BH	(60°-80°)	294.0	6.8	B1/500		G1/500
BVH	(80°-90°)	37.0	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°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	516.7	518.9	521.1	522.0	523.0	523.8	524.8	525.5	526.2	524.5	526.2
5°	552.8	559.6	566.4	572.3	578.1	582.6	587.1	589.2	591.5	595.1	591.5
7.5°	601.7	610.9	620.3	633.1	645.9	654.6	663.3	667.1	670.9	672.0	670.9
10°	637.2	661.0	684.9	699.0	713.2	723.6	734.0	742.9	751.9	762.0	751.9
12.5°	680.2	707.4	734.5	754.9	775.4	788.5	801.6	810.4	819.3	822.3	819.3
15°	722.8	752.4	782.0	801.2	820.4	830.6	840.8	845.2	849.6	854.9	849.6
17.5°	769.8	792.0	814.1	826.8	839.4	839.9	840.3	834.8	829.3	828.2	829.3
20°	803.1	821.4	839.8	840.1	840.3	829.4	818.4	808.9	799.4	795.1	799.4
22.5°	827.7	840.3	852.9	839.9	826.9	802.6	778.3	764.5	750.6	746.9	750.6
25°	861.0	862.9	864.9	838.5	812.1	778.1	744.2	726.5	708.7	704.6	708.7
27.5°	882.4	876.3	870.1	830.0	790.0	750.1	710.3	690.1	669.9	664.2	669.9
30°	913.5	891.3	869.0	817.4	765.8	725.7	685.6	668.7	651.8	646.7	651.8
32.5°	944.9	907.9	870.7	815.4	760.0	732.1	704.2	699.6	695.0	691.4	695.0
35°	970.7	929.1	887.4	845.7	804.1	808.3	812.6	827.6	842.6	842.3	842.6
37.5°	1016.0	973.3	930.7	923.8	917.0	970.7	1024.5	1067.6	1110.8	1133.2	1110.8
40°	1079.0	1049.1	1019.1	1044.1	1069.0	1143.7	1218.5	1269.6	1320.7	1358.0	1320.7
42.5°	1166.8	1149.8	1132.7	1163.9	1195.1	1277.2	1359.1	1428.8	1498.4	1550.7	1498.4
45°	1317.4	1299.8	1282.2	1297.1	1311.9	1414.6	1517.2	1626.3	1735.4	1827.6	1735.4
47.5°	1569.5	1528.6	1487.7	1475.2	1462.7	1601.1	1739.4	1898.8	2058.3	2153.1	2058.3
50°	1902.8	1838.9	1775.0	1716.7	1658.5	1853.7	2048.9	2281.1	2513.3	2611.0	2513.3
52.5°	2209.3	2150.7	2092.0	1989.6	1887.2	2118.2	2349.2	2650.7	2952.3	3046.0	2952.3
55°	2475.2	2499.7	2524.3	2385.7	2247.1	2503.4	2759.6	3145.9	3532.2	3697.5	3532.2
57.5°	2666.9	2885.0	3103.1	2955.0	2807.0	3046.2	3285.4	3744.5	4203.7	4480.4	4203.7
60°	2634.1	3071.2	3508.3	3442.6	3376.8	3581.2	3785.6	4283.7	4781.9	5105.2	4781.9
62.5°	2420.0	2895.7	3371.5	3390.0	3408.6	3681.5	3954.4	4404.8	4855.2	5141.2	4855.2
65°	2153.8	2601.6	3049.4	3076.9	3104.4	3419.9	3735.4	4177.2	4619.0	4849.7	4619.0
67.5°	1847.8	2313.4	2779.1	2795.7	2812.3	3100.7	3389.1	3786.7	4184.4	4316.9	4184.4
70°	1584.5	2028.1	2471.7	2508.1	2544.4	2796.3	3048.0	3342.4	3636.9	3712.6	3636.9
72.5°	1270.4	1716.6	2162.7	2218.3	2273.9	2458.4	2642.8	2848.7	3054.5	3047.4	3054.5
75°	934.7	1352.8	1770.9	1847.8	1924.7	2037.8	2150.9	2259.6	2368.4	2337.5	2368.4
77.5°	648.1	986.2	1324.4	1405.8	1487.2	1567.0	1646.8	1723.5	1800.1	1751.7	1800.1
80°	357.4	598.3	839.2	930.9	1022.5	1105.9	1189.3	1228.8	1268.4	1186.8	1268.4
82.5°	176.9	311.4	445.9	537.1	628.3	712.8	797.3	822.0	846.7	768.8	846.7
85°	69.6	137.1	204.6	272.7	340.7	407.3	473.8	476.4	478.9	422.8	478.9
87.5°	25.1	52.6	80.3	115.3	150.4	186.1	221.9	220.6	219.3	181.0	219.3
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°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	525.5	524.8	523.8	523.0	522.0	521.1	518.9	516.7	515.4	514.9	513.1
5°	589.2	587.1	582.6	578.1	572.3	566.4	559.6	552.8	548.7	543.1	535.2
7.5°	667.1	663.3	654.6	645.9	633.1	620.3	610.9	601.7	583.4	567.9	555.2
10°	742.9	734.0	723.6	713.2	699.0	684.9	661.0	637.2	622.0	604.1	582.5
12.5°	810.4	801.6	788.5	775.4	754.9	734.5	707.4	680.2	656.9	631.6	605.5
15°	845.2	840.8	830.6	820.4	801.2	782.0	752.4	722.8	694.4	662.5	628.1
17.5°	834.8	840.3	839.9	839.4	826.8	814.1	792.0	769.8	728.3	687.3	646.6
20°	808.9	818.4	829.4	840.3	840.1	839.8	821.4	803.1	761.2	716.8	667.5
22.5°	764.5	778.3	802.6	826.9	839.9	852.9	840.3	827.7	783.9	736.2	679.0
25°	726.5	744.2	778.1	812.1	838.5	864.9	862.9	861.0	808.6	752.8	686.3
27.5°	690.1	710.3	750.1	790.0	830.0	870.1	876.3	882.4	835.3	781.4	706.6
30°	668.7	685.6	725.7	765.8	817.4	869.0	891.3	913.5	865.0	807.7	723.8
32.5°	699.6	704.2	732.1	760.0	815.4	870.7	907.9	944.9	892.6	830.2	735.0
35°	827.6	812.6	808.3	804.1	845.7	887.4	929.1	970.7	919.3	853.5	745.2
37.5°	1067.6	1024.5	970.7	917.0	923.8	930.7	973.3	1016.0	954.6	876.3	753.2
40°	1269.6	1218.5	1143.7	1069.0	1044.1	1019.1	1049.1	1079.0	1011.4	917.3	771.3
42.5°	1428.8	1359.1	1277.2	1195.1	1163.9	1132.7	1149.8	1166.8	1073.7	955.2	788.5
45°	1626.3	1517.2	1414.6	1311.9	1297.1	1282.2	1299.8	1317.4	1174.4	1007.9	812.1
47.5°	1898.8	1739.4	1601.1	1462.7	1475.2	1487.7	1528.6	1569.5	1343.0	1092.8	849.8
50°	2281.1	2048.9	1853.7	1658.5	1716.7	1775.0	1838.9	1902.8	1584.3	1228.5	916.3
52.5°	2650.7	2349.2	2118.2	1887.2	1989.6	2092.0	2150.7	2209.3	1794.7	1338.3	967.3
55°	3145.9	2759.6	2503.4	2247.1	2385.7	2524.3	2499.7	2475.2	1936.1	1383.2	980.6
57.5°	3744.5	3285.4	3046.2	2807.0	2955.0	3103.1	2885.0	2666.9	1956.7	1300.5	918.2
60°	4283.7	3785.6	3581.2	3376.8	3442.6	3508.3	3071.2	2634.1	1835.0	1118.7	782.3
62.5°	4404.8	3954.4	3681.5	3408.6	3390.0	3371.5	2895.7	2420.0	1633.6	939.7	650.1
65°	4177.2	3735.4	3419.9	3104.4	3076.9	3049.4	2601.6	2153.8	1410.1	771.3	528.9
67.5°	3786.7	3389.1	3100.7	2812.3	2795.7	2779.1	2313.4	1847.8	1174.9	615.1	416.1
70°	3342.4	3048.0	2796.3	2544.4	2508.1	2471.7	2028.1	1584.5	962.8	473.0	323.3
72.5°	2848.7	2642.8	2458.4	2273.9	2218.3	2162.7	1716.6	1270.4	742.9	346.4	243.9
75°	2259.6	2150.9	2037.8	1924.7	1847.8	1770.9	1352.8	934.7	534.6	244.3	180.3
77.5°	1723.5	1646.8	1567.0	1487.2	1405.8	1324.4	986.2	648.1	368.2	170.4	132.8
80°	1228.8	1189.3	1105.9	1022.5	930.9	839.2	598.3	357.4	212.0	110.0	91.7
82.5°	822.0	797.3	712.8	628.3	537.1	445.9	311.4	176.9	113.0	69.2	61.7
85°	476.4	473.8	407.3	340.7	272.7	204.6	137.1	69.6	51.1	38.8	36.8
87.5°	220.6	221.9	186.1	150.4	115.3	80.3	52.6	25.1	19.5	16.2	15.5
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°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	511.3	508.0	504.8	502.5	500.2	497.5	493.3	491.1	489.0	487.0	484.9
5°	527.2	519.7	512.3	506.0	499.7	494.1	488.9	483.1	477.2	472.2	467.1
7.5°	542.5	530.5	518.4	509.2	500.0	491.2	482.6	475.7	468.8	463.2	457.6
10°	560.9	544.1	527.4	517.0	506.8	498.7	485.1	477.9	470.6	465.2	459.7
12.5°	579.4	558.2	537.1	522.1	507.3	496.1	490.4	487.0	483.7	479.7	475.8
15°	593.7	566.9	540.0	522.9	505.8	494.1	490.9	492.0	493.1	494.4	495.7
17.5°	605.9	570.9	536.0	515.9	495.8	484.4	489.7	493.6	497.4	503.2	509.1
20°	618.0	574.1	530.0	505.7	481.5	470.3	472.7	481.7	490.7	501.7	512.8
22.5°	621.8	569.7	517.5	490.0	462.6	451.5	461.1	472.2	483.3	494.8	506.3
25°	619.8	560.3	500.9	473.0	445.0	435.7	445.5	456.4	467.2	478.3	489.4
27.5°	631.7	562.7	493.6	462.6	431.6	421.6	431.0	440.2	449.4	459.1	468.8
30°	639.8	564.0	488.1	455.5	422.9	412.1	415.2	421.5	427.8	436.4	444.8
32.5°	639.7	557.5	475.3	444.7	414.1	404.3	407.4	410.0	412.6	418.7	424.8
35°	637.0	548.3	459.6	431.5	403.5	396.1	395.1	395.0	394.9	397.6	400.4
37.5°	630.1	534.6	439.1	412.4	385.6	380.3	378.2	376.5	374.8	376.6	378.3
40°	625.3	521.4	417.5	391.6	365.8	364.0	362.5	360.1	357.6	357.8	358.0
42.5°	621.8	510.4	399.0	374.2	349.5	346.0	342.1	340.9	339.7	339.1	338.4
45°	616.4	501.6	386.8	361.9	337.0	326.7	326.6	324.0	321.4	322.3	323.2
47.5°	606.9	492.5	378.1	355.5	332.9	316.8	310.7	309.4	308.0	309.5	310.9
50°	604.2	489.1	374.1	353.4	332.7	309.0	297.6	296.8	295.9	300.1	304.2
52.5°	596.3	480.7	365.0	349.1	333.1	309.5	294.0	291.9	289.8	295.8	301.9
55°	578.1	463.3	348.6	342.7	336.8	322.8	295.8	288.9	282.0	289.4	296.8
57.5°	536.0	437.4	338.8	335.1	331.4	331.6	301.1	287.9	274.7	282.0	289.3
60°	445.8	388.8	331.7	320.6	309.5	320.2	302.2	286.8	271.4	275.6	279.9
62.5°	360.6	333.5	306.4	297.5	288.6	301.2	294.8	281.7	268.7	268.2	267.7
65°	286.5	281.1	275.8	273.8	271.9	275.2	278.8	270.3	261.8	258.0	254.2
67.5°	217.1	221.9	226.7	236.2	245.6	246.9	255.5	250.8	246.1	243.2	240.3
70°	173.5	180.0	186.6	200.6	214.6	221.4	229.0	229.7	230.2	228.1	225.9
72.5°	141.4	147.0	152.8	168.6	184.4	199.3	207.5	207.5	207.5	206.5	205.4
75°	116.4	120.6	124.8	139.5	154.1	173.0	181.5	182.4	183.2	182.5	181.9
77.5°	95.3	97.3	99.4	112.7	126.0	148.2	157.1	159.1	161.1	160.3	159.5
80°	73.5	74.9	76.3	87.4	98.5	118.2	128.6	131.5	134.4	134.2	133.9
82.5°	54.3	55.0	55.9	64.3	72.7	86.9	98.0	102.5	107.0	110.4	113.6
85°	34.8	35.2	35.6	40.9	46.2	55.0	66.3	74.6	83.0	89.0	95.1
87.5°	14.7	14.2	13.7	16.4	19.1	23.8	37.6	46.1	54.6	57.7	60.8
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	482.9	481.0	479.5	478.1	475.2	472.4	470.8	469.2	468.6	468.1	469.3
5°	464.0	460.8	457.4	454.0	451.3	448.7	446.7	444.6	443.8	442.9	443.2
7.5°	453.1	448.5	445.3	442.1	441.4	440.8	439.5	438.2	438.0	437.9	438.3
10°	455.5	451.4	449.2	446.9	446.2	445.5	445.4	445.3	446.7	448.0	449.2
12.5°	471.6	467.5	467.6	467.8	464.3	460.8	459.9	458.9	460.7	462.3	463.0
15°	494.6	493.5	489.4	485.4	481.2	476.9	475.6	474.2	474.0	473.9	473.3
17.5°	511.5	513.9	509.2	504.3	497.6	490.9	487.6	484.5	483.1	481.7	481.0
20°	516.8	520.9	516.3	511.6	504.1	496.6	491.5	486.6	485.8	485.1	485.1
22.5°	509.9	513.4	510.9	508.2	500.1	491.9	486.5	481.1	478.8	476.6	477.6
25°	494.4	499.5	498.8	498.3	489.8	481.3	475.4	469.4	468.3	467.2	466.9
27.5°	474.5	480.2	480.9	481.7	475.4	469.1	463.5	458.0	457.0	456.0	457.3
30°	450.7	456.5	458.5	460.5	456.5	452.5	448.7	445.0	445.2	445.3	447.2
32.5°	430.3	435.9	438.9	442.1	441.4	440.7	439.3	437.8	435.9	433.9	434.6
35°	405.4	410.4	416.4	422.3	423.1	423.9	424.5	425.0	425.0	425.0	426.6
37.5°	382.7	387.1	393.3	399.5	403.9	408.3	410.4	412.4	414.0	415.5	416.2
40°	362.0	365.9	371.7	377.6	385.8	394.0	398.6	403.1	403.3	403.5	402.5
42.5°	341.8	345.1	353.9	362.7	371.9	381.1	385.1	389.2	390.9	392.7	393.1
45°	327.4	331.6	339.2	346.9	357.4	367.9	373.0	378.0	378.8	379.8	379.5
47.5°	315.2	319.4	328.8	338.2	348.4	358.7	364.0	369.3	370.1	370.9	371.5
50°	309.1	313.9	322.1	330.1	341.1	352.0	359.3	366.6	366.4	366.1	364.2
52.5°	305.6	309.4	317.0	324.5	336.5	348.5	355.6	362.6	363.2	363.9	362.7
55°	301.3	305.8	314.2	322.6	333.3	343.9	350.7	357.5	358.2	359.0	356.9
57.5°	297.1	304.8	313.4	321.9	332.8	343.6	349.5	355.3	354.0	352.7	351.0
60°	291.0	302.2	310.2	318.2	328.3	338.4	342.5	346.4	344.9	343.3	339.7
62.5°	279.7	291.6	300.8	309.9	319.1	328.3	331.2	334.0	332.5	331.0	326.9
65°	264.7	275.3	285.1	294.9	302.5	310.0	313.5	317.0	314.5	312.0	308.0
67.5°	250.5	260.8	268.3	275.9	283.4	291.0	293.8	296.7	293.9	291.2	285.9
70°	233.5	241.0	250.6	260.3	264.5	268.7	270.3	271.9	269.3	266.6	263.2
72.5°	212.9	220.3	226.7	233.1	237.0	241.0	242.8	244.7	241.7	238.8	234.2
75°	188.3	194.6	200.5	206.3	210.6	214.8	215.9	217.0	213.4	209.7	204.9
77.5°	163.4	167.3	169.8	172.2	177.1	182.0	182.9	183.8	181.1	178.3	173.9
80°	135.8	137.6	138.2	138.9	142.5	146.1	147.0	148.0	146.7	145.4	141.7
82.5°	114.8	116.0	110.7	105.3	108.2	111.0	113.3	115.4	114.8	114.2	111.2
85°	91.5	88.0	74.2	60.3	65.8	71.3	74.9	78.6	79.2	79.8	77.7
87.5°	56.0	51.2	41.1	30.9	35.3	39.8	43.4	47.1	44.7	42.3	37.5
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	470.4	472.0	470.4	469.3	468.1	468.6	469.2	470.8	472.4	475.2	478.1
5°	443.4	443.3	443.4	443.2	442.9	443.8	444.6	446.7	448.7	451.3	454.0
7.5°	438.6	436.9	438.6	438.3	437.9	438.0	438.2	439.5	440.8	441.4	442.1
10°	450.3	449.6	450.3	449.2	448.0	446.7	445.3	445.4	445.5	446.2	446.9
12.5°	463.6	462.2	463.6	463.0	462.3	460.7	458.9	459.9	460.8	464.3	467.8
15°	472.7	472.0	472.7	473.3	473.9	474.0	474.2	475.6	476.9	481.2	485.4
17.5°	480.3	481.2	480.3	481.0	481.7	483.1	484.5	487.6	490.9	497.6	504.3
20°	485.0	484.6	485.0	485.1	485.1	485.8	486.6	491.5	496.6	504.1	511.6
22.5°	478.5	481.7	478.5	477.6	476.6	478.8	481.1	486.5	491.9	500.1	508.2
25°	466.6	465.2	466.6	466.9	467.2	468.3	469.4	475.4	481.3	489.8	498.3
27.5°	458.5	459.3	458.5	457.3	456.0	457.0	458.0	463.5	469.1	475.4	481.7
30°	449.1	452.5	449.1	447.2	445.3	445.2	445.0	448.7	452.5	456.5	460.5
32.5°	435.2	437.9	435.2	434.6	433.9	435.9	437.8	439.3	440.7	441.4	442.1
35°	428.2	431.6	428.2	426.6	425.0	425.0	425.0	424.5	423.9	423.1	422.3
37.5°	416.9	417.0	416.9	416.2	415.5	414.0	412.4	410.4	408.3	403.9	399.5
40°	401.5	401.9	401.5	402.5	403.5	403.3	403.1	398.6	394.0	385.8	377.6
42.5°	393.5	394.6	393.5	393.1	392.7	390.9	389.2	385.1	381.1	371.9	362.7
45°	379.3	378.1	379.3	379.5	379.8	378.8	378.0	373.0	367.9	357.4	346.9
47.5°	372.1	373.2	372.1	371.5	370.9	370.1	369.3	364.0	358.7	348.4	338.2
50°	362.3	361.5	362.3	364.2	366.1	366.4	366.6	359.3	352.0	341.1	330.1
52.5°	361.6	362.0	361.6	362.7	363.9	363.2	362.6	355.6	348.5	336.5	324.5
55°	354.7	353.3	354.7	356.9	359.0	358.2	357.5	350.7	343.9	333.3	322.6
57.5°	349.4	349.8	349.4	351.0	352.7	354.0	355.3	349.5	343.6	332.8	321.9
60°	336.1	333.3	336.1	339.7	343.3	344.9	346.4	342.5	338.4	328.3	318.2
62.5°	322.8	317.7	322.8	326.9	331.0	332.5	334.0	331.2	328.3	319.1	309.9
65°	303.9	301.2	303.9	308.0	312.0	314.5	317.0	313.5	310.0	302.5	294.9
67.5°	280.5	276.4	280.5	285.9	291.2	293.9	296.7	293.8	291.0	283.4	275.9
70°	259.8	256.9	259.8	263.2	266.6	269.3	271.9	270.3	268.7	264.5	260.3
72.5°	229.7	226.7	229.7	234.2	238.8	241.7	244.7	242.8	241.0	237.0	233.1
75°	200.2	196.1	200.2	204.9	209.7	213.4	217.0	215.9	214.8	210.6	206.3
77.5°	169.4	165.4	169.4	173.9	178.3	181.1	183.8	182.9	182.0	177.1	172.2
80°	138.1	132.8	138.1	141.7	145.4	146.7	148.0	147.0	146.1	142.5	138.9
82.5°	108.1	103.6	108.1	111.2	114.2	114.8	115.4	113.3	111.0	108.2	105.3
85°	75.5	72.0	75.5	77.7	79.8	79.2	78.6	74.9	71.3	65.8	60.3
87.5°	32.6	27.2	32.6	37.5	42.3	44.7	47.1	43.4	39.8	35.3	30.9
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°	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	479.5	481.0	482.9	484.9	487.0	489.0	491.1	493.3	497.5	500.2	502.5
5°	457.4	460.8	464.0	467.1	472.2	477.2	483.1	488.9	494.1	499.7	506.0
7.5°	445.3	448.5	453.1	457.6	463.2	468.8	475.7	482.6	491.2	500.0	509.2
10°	449.2	451.4	455.5	459.7	465.2	470.6	477.9	485.1	498.7	506.8	517.0
12.5°	467.6	467.5	471.6	475.8	479.7	483.7	487.0	490.4	496.1	507.3	522.1
15°	489.4	493.5	494.6	495.7	494.4	493.1	492.0	490.9	494.1	505.8	522.9
17.5°	509.2	513.9	511.5	509.1	503.2	497.4	493.6	489.7	484.4	495.8	515.9
20°	516.3	520.9	516.8	512.8	501.7	490.7	481.7	472.7	470.3	481.5	505.7
22.5°	510.9	513.4	509.9	506.3	494.8	483.3	472.2	461.1	451.5	462.6	490.0
25°	498.8	499.5	494.4	489.4	478.3	467.2	456.4	445.5	435.7	445.0	473.0
27.5°	480.9	480.2	474.5	468.8	459.1	449.4	440.2	431.0	421.6	431.6	462.6
30°	458.5	456.5	450.7	444.8	436.4	427.8	421.5	415.2	412.1	422.9	455.5
32.5°	438.9	435.9	430.3	424.8	418.7	412.6	410.0	407.4	404.3	414.1	444.7
35°	416.4	410.4	405.4	400.4	397.6	394.9	395.0	395.1	396.1	403.5	431.5
37.5°	393.3	387.1	382.7	378.3	376.6	374.8	376.5	378.2	380.3	385.6	412.4
40°	371.7	365.9	362.0	358.0	357.8	357.6	360.1	362.5	364.0	365.8	391.6
42.5°	353.9	345.1	341.8	338.4	339.1	339.7	340.9	342.1	346.0	349.5	374.2
45°	339.2	331.6	327.4	323.2	322.3	321.4	324.0	326.6	326.7	337.0	361.9
47.5°	328.8	319.4	315.2	310.9	309.5	308.0	309.4	310.7	316.8	332.9	355.5
50°	322.1	313.9	309.1	304.2	300.1	295.9	296.8	297.6	309.0	332.7	353.4
52.5°	317.0	309.4	305.6	301.9	295.8	289.8	291.9	294.0	309.5	333.1	349.1
55°	314.2	305.8	301.3	296.8	289.4	282.0	288.9	295.8	322.8	336.8	342.7
57.5°	313.4	304.8	297.1	289.3	282.0	274.7	287.9	301.1	331.6	331.4	335.1
60°	310.2	302.2	291.0	279.9	275.6	271.4	286.8	302.2	320.2	309.5	320.6
62.5°	300.8	291.6	279.7	267.7	268.2	268.7	281.7	294.8	301.2	288.6	297.5
65°	285.1	275.3	264.7	254.2	258.0	261.8	270.3	278.8	275.2	271.9	273.8
67.5°	268.3	260.8	250.5	240.3	243.2	246.1	250.8	255.5	246.9	245.6	236.2
70°	250.6	241.0	233.5	225.9	228.1	230.2	229.7	229.0	221.4	214.6	200.6
72.5°	226.7	220.3	212.9	205.4	206.5	207.5	207.5	207.5	199.3	184.4	168.6
75°	200.5	194.6	188.3	181.9	182.5	183.2	182.4	181.5	173.0	154.1	139.5
77.5°	169.8	167.3	163.4	159.5	160.3	161.1	159.1	157.1	148.2	126.0	112.7
80°	138.2	137.6	135.8	133.9	134.2	134.4	131.5	128.6	118.2	98.5	87.4
82.5°	110.7	116.0	114.8	113.6	110.4	107.0	102.5	98.0	86.9	72.7	64.3
85°	74.2	88.0	91.5	95.1	89.0	83.0	74.6	66.3	55.0	46.2	40.9
87.5°	41.1	51.2	56.0	60.8	57.7	54.6	46.1	37.6	23.8	19.1	16.4
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):

	330°	335°	340°	345°	350°	355°	360°
0°	495.8	495.8	495.8	495.8	495.8	495.8	495.8
2.5°	504.8	508.0	511.3	513.1	514.9	515.4	516.7
5°	512.3	519.7	527.2	535.2	543.1	548.7	552.8
7.5°	518.4	530.5	542.5	555.2	567.9	583.4	601.7
10°	527.4	544.1	560.9	582.5	604.1	622.0	637.2
12.5°	537.1	558.2	579.4	605.5	631.6	656.9	680.2
15°	540.0	566.9	593.7	628.1	662.5	694.4	722.8
17.5°	536.0	570.9	605.9	646.6	687.3	728.3	769.8
20°	530.0	574.1	618.0	667.5	716.8	761.2	803.1
22.5°	517.5	569.7	621.8	679.0	736.2	783.9	827.7
25°	500.9	560.3	619.8	686.3	752.8	808.6	861.0
27.5°	493.6	562.7	631.7	706.6	781.4	835.3	882.4
30°	488.1	564.0	639.8	723.8	807.7	865.0	913.5
32.5°	475.3	557.5	639.7	735.0	830.2	892.6	944.9
35°	459.6	548.3	637.0	745.2	853.5	919.3	970.7
37.5°	439.1	534.6	630.1	753.2	876.3	954.6	1016.0
40°	417.5	521.4	625.3	771.3	917.3	1011.4	1079.0
42.5°	399.0	510.4	621.8	788.5	955.2	1073.7	1166.8
45°	386.8	501.6	616.4	812.1	1007.9	1174.4	1317.4
47.5°	378.1	492.5	606.9	849.8	1092.8	1343.0	1569.5
50°	374.1	489.1	604.2	916.3	1228.5	1584.3	1902.8
52.5°	365.0	480.7	596.3	967.3	1338.3	1794.7	2209.3
55°	348.6	463.3	578.1	980.6	1383.2	1936.1	2475.2
57.5°	338.8	437.4	536.0	918.2	1300.5	1956.7	2666.9
60°	331.7	388.8	445.8	782.3	1118.7	1835.0	2634.1
62.5°	306.4	333.5	360.6	650.1	939.7	1633.6	2420.0
65°	275.8	281.1	286.5	528.9	771.3	1410.1	2153.8
67.5°	226.7	221.9	217.1	416.1	615.1	1174.9	1847.8
70°	186.6	180.0	173.5	323.3	473.0	962.8	1584.5
72.5°	152.8	147.0	141.4	243.9	346.4	742.9	1270.4
75°	124.8	120.6	116.4	180.3	244.3	534.6	934.7
77.5°	99.4	97.3	95.3	132.8	170.4	368.2	648.1
80°	76.3	74.9	73.5	91.7	110.0	212.0	357.4
82.5°	55.9	55.0	54.3	61.7	69.2	113.0	176.9
85°	35.6	35.2	34.8	36.8	38.8	51.1	69.6
87.5°	13.7	14.2	14.7	15.5	16.2	19.5	25.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)