

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: P1207804

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

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-730-U-SLL-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2866 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

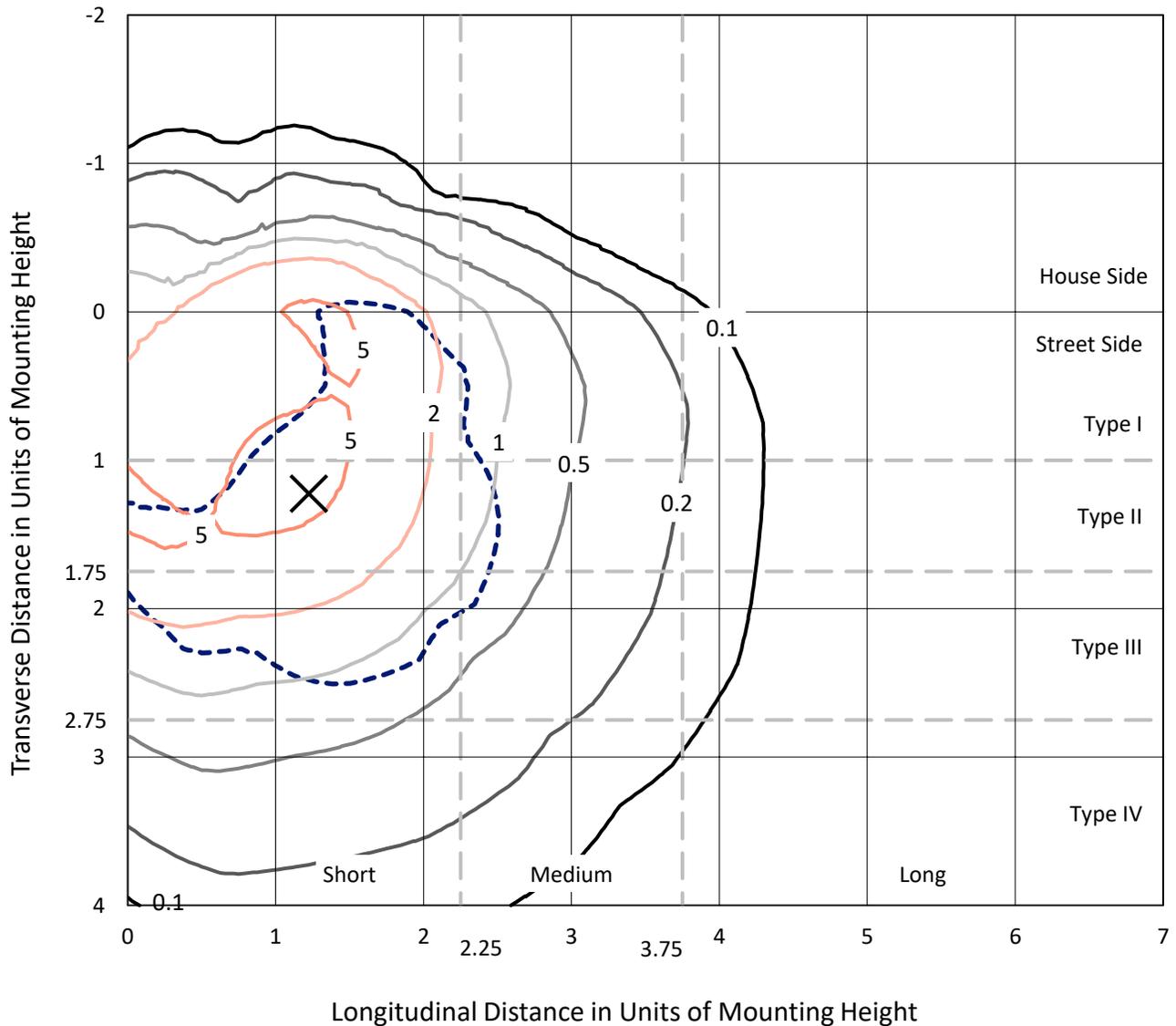
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

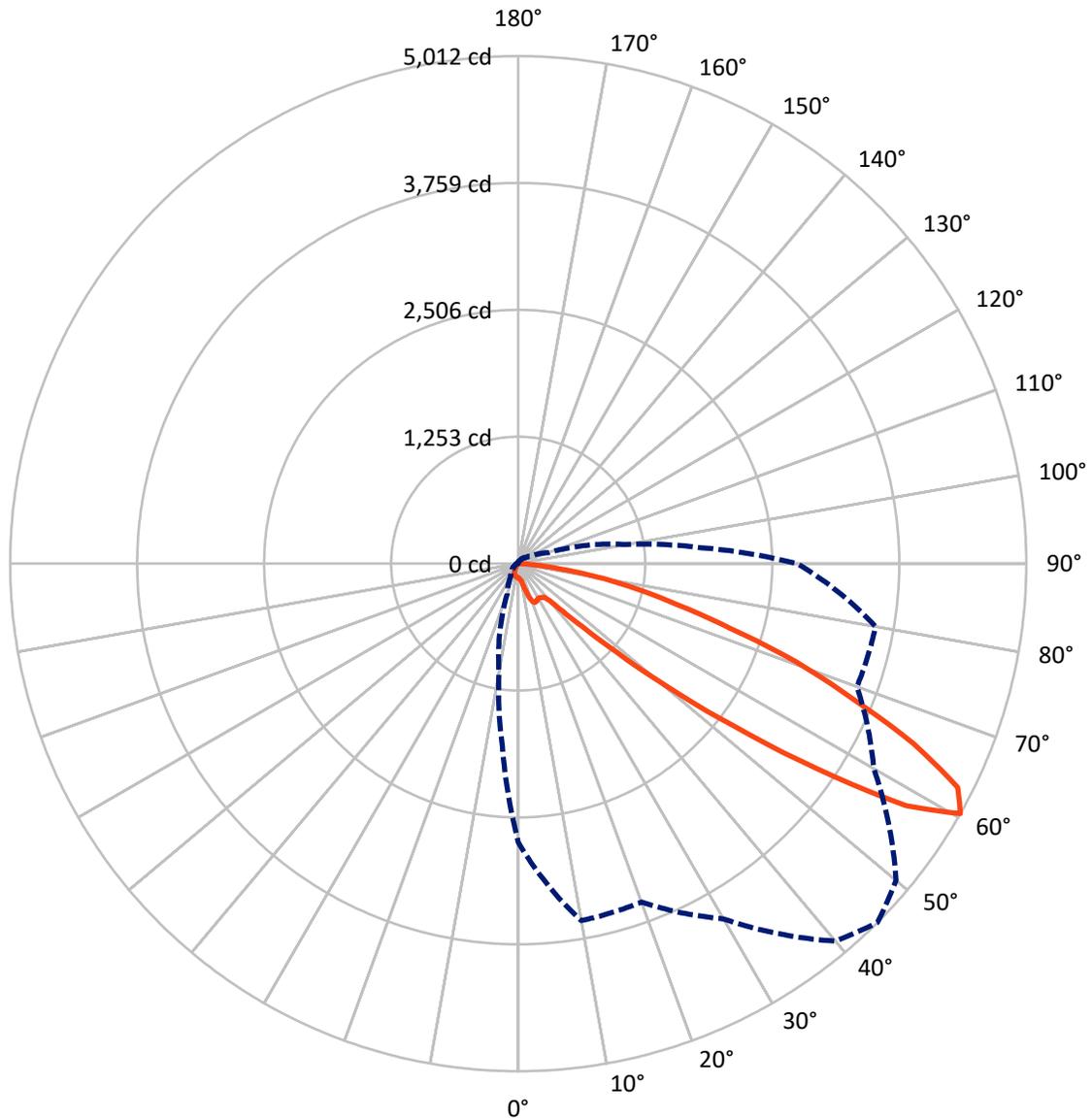
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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
<b>House Side</b>	Lumens	330.2	0.0	330.2
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	2535.8	0.0	2535.8
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	2866.0	0.0	2866.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.0	0.5
10°-20°	44.2	1.5
20°-30°	95.5	3.3
30°-40°	160.9	5.6
40°-50°	324.9	11.3
50°-60°	835.8	29.2
60°-70°	908.7	31.7
70°-80°	428.0	14.9
80°-90°	55.0	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°	2866.0	100.0
0°-180°	2866.0	100.0



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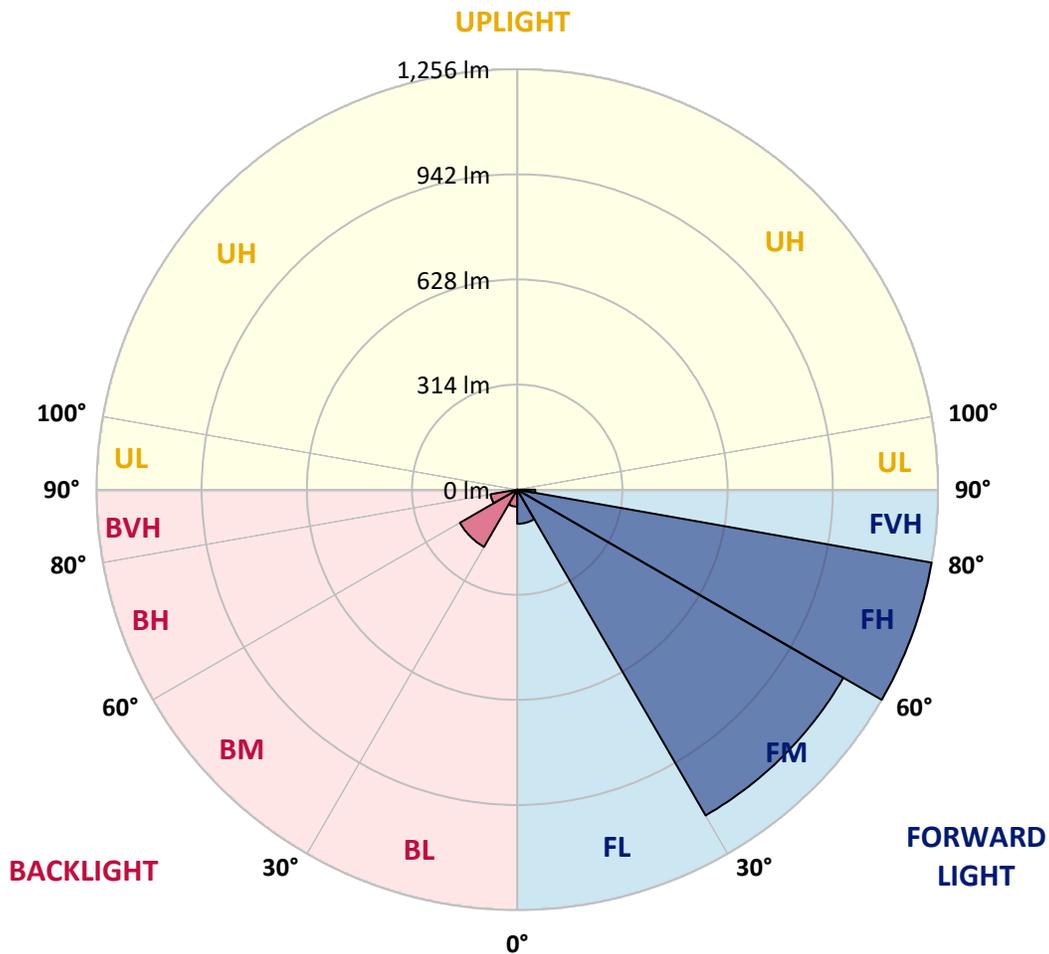
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.0	3.6			
FM	(30°-60°)	1123.9	39.2			
FH	(60°-80°)	1255.9	43.8			G1/1800
FVH	(80°-90°)	54.0	1.9			G1/100
BL	(0°-30°)	50.8	1.8	B0/110		
BM	(30°-60°)	197.6	6.9	B0/220		
BH	(60°-80°)	80.8	2.8	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	143.5	144.0	144.4	145.0	145.7	146.0	146.3	146.5	146.6	145.5	146.6
5°	143.0	144.2	145.5	146.9	148.4	149.2	149.9	150.3	150.7	151.8	150.7
7.5°	138.4	141.5	144.6	147.4	150.2	152.4	154.6	156.5	158.3	159.6	158.3
10°	138.9	144.5	150.2	155.7	161.3	165.5	169.8	172.7	175.5	177.1	175.5
12.5°	149.1	158.3	167.4	176.7	185.9	194.6	203.3	209.1	214.9	218.9	214.9
15°	170.3	187.5	204.8	221.0	237.2	250.6	264.2	271.3	278.5	279.2	278.5
17.5°	213.1	238.3	263.6	285.0	306.5	320.8	335.2	342.0	348.9	350.8	348.9
20°	268.3	300.1	331.8	352.0	372.3	381.9	391.5	395.1	398.7	396.5	398.7
22.5°	333.2	366.9	400.6	414.5	428.3	427.4	426.5	423.5	420.5	415.5	420.5
25°	411.8	439.8	467.8	464.8	461.9	450.0	438.2	428.2	418.2	413.5	418.2
27.5°	491.8	507.0	522.1	501.4	480.6	458.1	435.5	422.1	408.7	400.4	408.7
30°	587.4	577.6	567.8	530.9	494.0	465.5	436.9	421.0	405.1	395.5	405.1
32.5°	687.6	653.1	618.6	566.0	513.3	480.1	446.8	428.5	410.1	398.4	410.1
35°	779.1	722.5	665.9	599.2	532.6	496.8	461.1	439.9	418.8	409.6	418.8
37.5°	881.3	795.9	710.7	629.8	549.0	509.9	470.9	451.5	432.0	422.3	432.0
40°	989.3	877.1	765.0	670.6	576.1	541.7	507.4	494.7	481.9	479.2	481.9
42.5°	1120.6	982.9	845.1	744.1	643.1	626.9	610.6	615.0	619.2	636.8	619.2
45°	1358.0	1189.7	1021.5	907.5	793.5	799.5	805.5	838.6	871.8	891.2	871.8
47.5°	1704.4	1521.4	1338.4	1192.9	1047.4	1087.9	1128.4	1208.9	1289.4	1306.7	1289.4
50°	2163.4	1968.8	1774.3	1592.7	1411.0	1496.4	1581.8	1735.6	1889.4	1914.8	1889.4
52.5°	2577.9	2427.8	2277.8	2065.3	1852.8	1997.7	2142.7	2368.5	2594.3	2663.5	2594.3
55°	2842.0	2891.1	2940.1	2717.0	2494.0	2670.7	2847.5	3145.0	3442.5	3575.2	3442.5
57.5°	2934.0	3223.7	3513.5	3357.3	3201.1	3383.5	3565.9	3933.6	4301.3	4510.7	4301.3
60°	2750.6	3165.2	3579.9	3567.7	3555.5	3803.0	4050.5	4458.3	4866.1	5012.2	4866.1
62.5°	2447.7	2789.7	3131.7	3193.9	3256.0	3604.8	3953.5	4334.4	4715.2	4864.8	4715.2
65°	2093.1	2399.0	2704.9	2753.0	2801.1	3173.4	3545.9	3889.8	4233.8	4284.4	4233.8
67.5°	1793.4	2103.1	2412.7	2442.9	2473.2	2790.0	3106.8	3361.8	3616.8	3554.2	3616.8
70°	1479.9	1807.3	2134.8	2184.8	2234.9	2459.2	2683.4	2832.5	2981.6	2906.2	2981.6
72.5°	1127.9	1459.5	1791.2	1837.4	1883.7	2039.4	2195.1	2268.9	2342.5	2194.0	2342.5
75°	785.9	1070.9	1355.9	1416.6	1477.3	1586.5	1695.8	1725.5	1755.1	1618.0	1755.1
77.5°	421.5	612.6	803.7	911.2	1018.8	1137.2	1255.6	1269.7	1283.8	1192.9	1283.8
80°	124.1	211.6	299.2	425.6	552.1	694.3	836.7	843.5	850.4	782.7	850.4
82.5°	37.5	75.5	113.4	201.4	289.4	392.8	496.2	486.5	476.7	408.2	476.7
85°	8.3	26.3	44.3	97.8	151.3	198.5	245.8	226.6	207.3	168.3	207.3
87.5°	1.2	7.2	13.2	34.8	56.4	68.1	79.8	65.1	50.5	45.7	50.5
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	146.5	146.3	146.0	145.7	145.0	144.4	144.0	143.5	144.0	143.6	143.0
5°	150.3	149.9	149.2	148.4	146.9	145.5	144.2	143.0	141.2	139.7	138.7
7.5°	156.5	154.6	152.4	150.2	147.4	144.6	141.5	138.4	136.5	134.8	133.3
10°	172.7	169.8	165.5	161.3	155.7	150.2	144.5	138.9	136.6	133.5	131.3
12.5°	209.1	203.3	194.6	185.9	176.7	167.4	158.3	149.1	143.4	137.1	132.4
15°	271.3	264.2	250.6	237.2	221.0	204.8	187.5	170.3	158.5	147.2	138.6
17.5°	342.0	335.2	320.8	306.5	285.0	263.6	238.3	213.1	187.3	165.6	149.9
20°	395.1	391.5	381.9	372.3	352.0	331.8	300.1	268.3	228.9	193.6	167.8
22.5°	423.5	426.5	427.4	428.3	414.5	400.6	366.9	333.2	285.6	235.8	196.4
25°	428.2	438.2	450.0	461.9	464.8	467.8	439.8	411.8	353.4	286.1	230.3
27.5°	422.1	435.5	458.1	480.6	501.4	522.1	507.0	491.8	430.0	350.5	276.6
30°	421.0	436.9	465.5	494.0	530.9	567.8	577.6	587.4	517.6	422.2	328.5
32.5°	428.5	446.8	480.1	513.3	566.0	618.6	653.1	687.6	613.6	502.1	386.6
35°	439.9	461.1	496.8	532.6	599.2	665.9	722.5	779.1	711.3	589.5	452.7
37.5°	451.5	470.9	509.9	549.0	629.8	710.7	795.9	881.3	818.7	687.8	527.4
40°	494.7	507.4	541.7	576.1	670.6	765.0	877.1	989.3	936.5	792.2	604.8
42.5°	615.0	610.6	626.9	643.1	744.1	845.1	982.9	1120.6	1061.8	897.2	679.9
45°	838.6	805.5	799.5	793.5	907.5	1021.5	1189.7	1358.0	1242.2	1023.9	762.4
47.5°	1208.9	1128.4	1087.9	1047.4	1192.9	1338.4	1521.4	1704.4	1511.0	1186.4	854.7
50°	1735.6	1581.8	1496.4	1411.0	1592.7	1774.3	1968.8	2163.4	1827.1	1355.8	943.2
52.5°	2368.5	2142.7	1997.7	1852.8	2065.3	2277.8	2427.8	2577.9	2053.7	1449.7	981.3
55°	3145.0	2847.5	2670.7	2494.0	2717.0	2940.1	2891.1	2842.0	2139.8	1450.3	962.6
57.5°	3933.6	3565.9	3383.5	3201.1	3357.3	3513.5	3223.7	2934.0	2031.3	1316.3	867.0
60°	4458.3	4050.5	3803.0	3555.5	3567.7	3579.9	3165.2	2750.6	1807.1	1087.8	702.2
62.5°	4334.4	3953.5	3604.8	3256.0	3193.9	3131.7	2789.7	2447.7	1539.3	879.2	557.0
65°	3889.8	3545.9	3173.4	2801.1	2753.0	2704.9	2399.0	2093.1	1288.6	709.7	437.5
67.5°	3361.8	3106.8	2790.0	2473.2	2442.9	2412.7	2103.1	1793.4	1036.0	546.4	325.0
70°	2832.5	2683.4	2459.2	2234.9	2184.8	2134.8	1807.3	1479.9	802.4	409.6	241.2
72.5°	2268.9	2195.1	2039.4	1883.7	1837.4	1791.2	1459.5	1127.9	553.5	270.2	160.3
75°	1725.5	1695.8	1586.5	1477.3	1416.6	1355.9	1070.9	785.9	353.5	166.4	100.8
77.5°	1269.7	1255.6	1137.2	1018.8	911.2	803.7	612.6	421.5	185.2	87.3	54.9
80°	843.5	836.7	694.3	552.1	425.6	299.2	211.6	124.1	56.2	30.1	21.9
82.5°	486.5	496.2	392.8	289.4	201.4	113.4	75.5	37.5	17.1	10.7	9.1
85°	226.6	245.8	198.5	151.3	97.8	44.3	26.3	8.3	4.2	3.3	3.0
87.5°	65.1	79.8	68.1	56.4	34.8	13.2	7.2	1.2	0.2	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°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	142.4	142.2	142.0	141.8	141.6	141.1	140.9	141.0	141.2	141.0	140.7
5°	137.8	136.9	136.0	135.0	134.0	133.3	132.1	132.1	132.1	132.4	132.8
7.5°	131.8	130.6	129.4	128.5	127.7	127.2	127.1	126.2	125.4	125.4	125.4
10°	128.9	127.5	126.0	124.6	123.3	122.1	122.4	121.8	121.2	120.9	120.6
12.5°	127.8	125.5	123.1	121.6	120.2	119.2	118.6	117.9	117.1	116.7	116.3
15°	129.9	125.8	121.6	119.7	117.8	116.3	114.2	113.8	113.4	112.8	112.3
17.5°	134.2	127.1	120.1	117.5	114.9	113.1	112.0	110.8	109.7	108.7	107.8
20°	142.0	130.6	119.2	115.7	112.1	110.4	108.7	107.2	105.7	104.4	103.0
22.5°	157.0	138.5	119.9	114.4	109.0	106.5	103.7	102.4	101.1	99.5	97.9
25°	174.5	147.1	119.7	112.0	104.4	101.7	100.1	98.2	96.3	94.6	92.8
27.5°	202.8	162.0	121.2	110.8	100.3	97.1	95.4	93.6	91.8	90.0	88.2
30°	234.9	179.9	124.9	110.6	96.3	92.2	90.7	89.1	87.6	85.7	83.8
32.5°	271.0	200.0	129.2	111.3	93.4	89.0	86.2	84.5	82.7	81.0	79.3
35°	315.8	225.6	135.3	111.8	88.3	83.4	81.0	79.6	78.1	76.2	74.3
37.5°	367.1	254.2	141.5	112.3	83.2	77.8	76.3	75.1	73.9	72.0	70.0
40°	417.4	282.4	147.3	113.2	79.1	73.2	71.3	70.5	69.7	67.7	65.8
42.5°	462.6	307.6	152.5	114.6	76.8	67.6	66.7	65.6	64.6	62.8	60.9
45°	500.8	329.0	157.1	117.4	77.7	62.8	61.1	60.2	59.3	58.0	56.8
47.5°	523.0	342.0	161.0	121.7	82.3	59.6	54.8	54.2	53.6	53.3	52.9
50°	530.7	347.8	164.9	128.0	91.1	62.8	53.0	51.0	49.0	49.0	49.0
52.5°	512.8	338.2	163.6	131.9	100.3	73.5	56.0	50.2	44.4	44.3	44.2
55°	474.8	315.8	156.7	132.4	108.1	88.3	63.3	52.0	40.6	39.6	38.5
57.5°	417.6	284.5	151.4	128.2	105.0	94.1	69.2	53.9	38.5	35.6	32.7
60°	316.7	236.0	155.4	124.3	93.3	84.6	67.8	53.0	38.3	33.1	27.8
62.5°	234.9	188.0	141.1	110.7	80.4	67.1	60.6	49.9	39.2	31.8	24.4
65°	165.4	143.4	121.4	98.7	75.9	52.8	50.0	44.2	38.3	30.4	22.4
67.5°	103.6	93.8	84.1	74.2	64.3	44.0	39.0	34.8	30.6	25.1	19.7
70°	72.7	67.0	61.3	56.2	51.2	37.2	30.3	26.7	23.1	20.2	17.4
72.5°	50.5	46.4	42.3	39.7	37.1	30.6	23.4	20.2	17.0	15.3	13.5
75°	35.1	32.1	29.1	26.7	24.3	20.2	15.3	12.9	10.6	9.7	8.8
77.5°	22.4	20.0	17.8	15.8	13.7	12.6	9.5	8.2	6.8	6.5	6.2
80°	13.9	12.3	10.7	9.1	7.5	7.1	4.9	4.3	3.8	3.8	3.8
82.5°	7.5	6.6	5.7	4.6	3.5	2.9	2.0	1.8	1.5	1.5	1.5
85°	2.8	2.4	2.0	1.7	1.2	0.7	0.3	0.4	0.5	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	140.3	139.9	140.2	140.6	140.2	139.7	139.8	139.9	139.4	138.9	138.4
5°	132.9	132.9	133.5	134.0	134.2	134.4	134.6	134.8	134.9	135.0	135.0
7.5°	125.5	125.6	126.0	126.2	126.7	127.1	128.1	129.2	129.7	130.3	130.9
10°	120.3	120.1	121.1	122.1	122.4	122.7	124.0	125.1	125.8	126.5	127.0
12.5°	115.8	115.3	115.8	116.3	117.2	118.1	119.9	121.6	123.0	124.3	124.6
15°	111.8	111.3	111.7	112.1	112.6	113.1	114.9	116.7	118.2	119.7	120.4
17.5°	106.9	106.1	105.7	105.3	106.9	108.5	110.0	111.5	113.1	114.7	116.1
20°	102.0	100.9	100.7	100.5	101.1	101.8	103.7	105.7	107.6	109.6	110.2
22.5°	96.4	95.0	94.6	94.1	94.5	94.9	95.8	96.8	98.3	99.7	100.8
25°	91.3	89.8	88.5	87.3	87.4	87.5	88.0	88.5	89.1	89.6	90.2
27.5°	86.4	84.6	83.1	81.5	80.9	80.3	79.7	79.2	79.1	78.9	78.8
30°	81.7	79.5	77.8	76.1	74.4	72.6	71.5	70.3	69.1	67.9	66.9
32.5°	77.3	75.2	72.1	69.1	67.2	65.4	63.3	61.2	59.0	56.8	55.4
35°	72.0	69.7	66.8	64.0	60.9	57.8	54.7	51.6	48.6	45.7	44.1
37.5°	67.1	64.2	61.2	58.1	53.8	49.5	45.9	42.3	39.4	36.4	34.6
40°	62.5	59.1	55.0	50.8	46.2	41.4	37.6	33.7	30.8	28.0	26.5
42.5°	57.7	54.5	49.7	45.0	39.8	34.6	30.6	26.5	24.1	21.6	20.3
45°	53.1	49.5	44.0	38.4	33.6	28.7	25.2	21.6	19.4	17.0	16.0
47.5°	49.0	45.1	39.4	33.6	28.9	24.3	21.0	17.8	15.6	13.5	12.6
50°	45.0	41.1	35.3	29.4	25.2	20.9	18.0	15.1	13.1	11.1	10.1
52.5°	40.7	37.2	31.5	25.8	22.4	19.1	16.3	13.5	11.4	9.2	8.3
55°	35.5	32.4	27.6	22.9	19.8	16.8	14.3	11.8	9.5	7.3	6.3
57.5°	30.1	27.5	23.4	19.5	16.9	14.4	12.0	9.6	7.5	5.4	4.5
60°	25.5	23.1	19.7	16.3	13.8	11.3	9.2	7.2	5.3	3.4	2.5
62.5°	22.0	19.6	16.2	12.9	10.9	8.9	7.1	5.3	3.5	1.7	0.9
65°	19.4	16.4	13.6	10.7	8.5	6.3	4.7	3.0	1.8	0.6	0.3
67.5°	16.5	13.2	10.5	7.8	5.9	4.0	2.6	1.2	0.6	0.0	0.0
70°	13.9	10.3	7.3	4.4	2.9	1.5	0.9	0.2	0.1	0.0	0.0
72.5°	10.5	7.5	4.8	1.9	1.3	0.6	0.4	0.1	0.0	0.0	0.0
75°	7.0	5.3	3.4	1.5	0.9	0.4	0.2	0.0	0.0	0.0	0.0
77.5°	5.2	4.1	2.5	1.0	0.6	0.2	0.1	0.0	0.0	0.0	0.0
80°	3.1	2.4	1.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.2	0.1	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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	137.8	137.7	137.8	138.4	138.9	139.4	139.9	139.8	139.7	140.2	140.6
5°	135.1	135.2	135.1	135.0	135.0	134.9	134.8	134.6	134.4	134.2	134.0
7.5°	131.6	132.8	131.6	130.9	130.3	129.7	129.2	128.1	127.1	126.7	126.2
10°	127.6	128.4	127.6	127.0	126.5	125.8	125.1	124.0	122.7	122.4	122.1
12.5°	124.9	125.0	124.9	124.6	124.3	123.0	121.6	119.9	118.1	117.2	116.3
15°	121.1	121.6	121.1	120.4	119.7	118.2	116.7	114.9	113.1	112.6	112.1
17.5°	117.5	118.2	117.5	116.1	114.7	113.1	111.5	110.0	108.5	106.9	105.3
20°	110.8	110.4	110.8	110.2	109.6	107.6	105.7	103.7	101.8	101.1	100.5
22.5°	101.9	103.1	101.9	100.8	99.7	98.3	96.8	95.8	94.9	94.5	94.1
25°	90.9	91.5	90.9	90.2	89.6	89.1	88.5	88.0	87.5	87.4	87.3
27.5°	78.7	78.3	78.7	78.8	78.9	79.1	79.2	79.7	80.3	80.9	81.5
30°	66.1	65.7	66.1	66.9	67.9	69.1	70.3	71.5	72.6	74.4	76.1
32.5°	53.9	53.0	53.9	55.4	56.8	59.0	61.2	63.3	65.4	67.2	69.1
35°	42.4	41.8	42.4	44.1	45.7	48.6	51.6	54.7	57.8	60.9	64.0
37.5°	33.0	32.1	33.0	34.6	36.4	39.4	42.3	45.9	49.5	53.8	58.1
40°	25.1	24.3	25.1	26.5	28.0	30.8	33.7	37.6	41.4	46.2	50.8
42.5°	19.0	18.0	19.0	20.3	21.6	24.1	26.5	30.6	34.6	39.8	45.0
45°	15.0	14.6	15.0	16.0	17.0	19.4	21.6	25.2	28.7	33.6	38.4
47.5°	11.6	11.2	11.6	12.6	13.5	15.6	17.8	21.0	24.3	28.9	33.6
50°	9.1	8.8	9.1	10.1	11.1	13.1	15.1	18.0	20.9	25.2	29.4
52.5°	7.3	6.8	7.3	8.3	9.2	11.4	13.5	16.3	19.1	22.4	25.8
55°	5.3	4.9	5.3	6.3	7.3	9.5	11.8	14.3	16.8	19.8	22.9
57.5°	3.6	3.4	3.6	4.5	5.4	7.5	9.6	12.0	14.4	16.9	19.5
60°	1.7	1.5	1.7	2.5	3.4	5.3	7.2	9.2	11.3	13.8	16.3
62.5°	0.1	0.0	0.1	0.9	1.7	3.5	5.3	7.1	8.9	10.9	12.9
65°	0.0	0.0	0.0	0.3	0.6	1.8	3.0	4.7	6.3	8.5	10.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.6	1.2	2.6	4.0	5.9	7.8
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.9	1.5	2.9	4.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.6	1.3	1.9
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	1.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
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°	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	140.2	139.9	140.3	140.7	141.0	141.2	141.0	140.9	141.1	141.6	141.8
5°	133.5	132.9	132.9	132.8	132.4	132.1	132.1	132.1	133.3	134.0	135.0
7.5°	126.0	125.6	125.5	125.4	125.4	125.4	126.2	127.1	127.2	127.7	128.5
10°	121.1	120.1	120.3	120.6	120.9	121.2	121.8	122.4	122.1	123.3	124.6
12.5°	115.8	115.3	115.8	116.3	116.7	117.1	117.9	118.6	119.2	120.2	121.6
15°	111.7	111.3	111.8	112.3	112.8	113.4	113.8	114.2	116.3	117.8	119.7
17.5°	105.7	106.1	106.9	107.8	108.7	109.7	110.8	112.0	113.1	114.9	117.5
20°	100.7	100.9	102.0	103.0	104.4	105.7	107.2	108.7	110.4	112.1	115.7
22.5°	94.6	95.0	96.4	97.9	99.5	101.1	102.4	103.7	106.5	109.0	114.4
25°	88.5	89.8	91.3	92.8	94.6	96.3	98.2	100.1	101.7	104.4	112.0
27.5°	83.1	84.6	86.4	88.2	90.0	91.8	93.6	95.4	97.1	100.3	110.8
30°	77.8	79.5	81.7	83.8	85.7	87.6	89.1	90.7	92.2	96.3	110.6
32.5°	72.1	75.2	77.3	79.3	81.0	82.7	84.5	86.2	89.0	93.4	111.3
35°	66.8	69.7	72.0	74.3	76.2	78.1	79.6	81.0	83.4	88.3	111.8
37.5°	61.2	64.2	67.1	70.0	72.0	73.9	75.1	76.3	77.8	83.2	112.3
40°	55.0	59.1	62.5	65.8	67.7	69.7	70.5	71.3	73.2	79.1	113.2
42.5°	49.7	54.5	57.7	60.9	62.8	64.6	65.6	66.7	67.6	76.8	114.6
45°	44.0	49.5	53.1	56.8	58.0	59.3	60.2	61.1	62.8	77.7	117.4
47.5°	39.4	45.1	49.0	52.9	53.3	53.6	54.2	54.8	59.6	82.3	121.7
50°	35.3	41.1	45.0	49.0	49.0	49.0	51.0	53.0	62.8	91.1	128.0
52.5°	31.5	37.2	40.7	44.2	44.3	44.4	50.2	56.0	73.5	100.3	131.9
55°	27.6	32.4	35.5	38.5	39.6	40.6	52.0	63.3	88.3	108.1	132.4
57.5°	23.4	27.5	30.1	32.7	35.6	38.5	53.9	69.2	94.1	105.0	128.2
60°	19.7	23.1	25.5	27.8	33.1	38.3	53.0	67.8	84.6	93.3	124.3
62.5°	16.2	19.6	22.0	24.4	31.8	39.2	49.9	60.6	67.1	80.4	110.7
65°	13.6	16.4	19.4	22.4	30.4	38.3	44.2	50.0	52.8	75.9	98.7
67.5°	10.5	13.2	16.5	19.7	25.1	30.6	34.8	39.0	44.0	64.3	74.2
70°	7.3	10.3	13.9	17.4	20.2	23.1	26.7	30.3	37.2	51.2	56.2
72.5°	4.8	7.5	10.5	13.5	15.3	17.0	20.2	23.4	30.6	37.1	39.7
75°	3.4	5.3	7.0	8.8	9.7	10.6	12.9	15.3	20.2	24.3	26.7
77.5°	2.5	4.1	5.2	6.2	6.5	6.8	8.2	9.5	12.6	13.7	15.8
80°	1.5	2.4	3.1	3.8	3.8	3.8	4.3	4.9	7.1	7.5	9.1
82.5°	0.5	1.0	1.2	1.5	1.5	1.5	1.8	2.0	2.9	3.5	4.6
85°	0.0	0.1	0.2	0.4	0.4	0.5	0.4	0.3	0.7	1.2	1.7
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	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):**

	330°	335°	340°	345°	350°	355°	360°
0°	142.5	142.5	142.5	142.5	142.5	142.5	142.5
2.5°	142.0	142.2	142.4	143.0	143.6	144.0	143.5
5°	136.0	136.9	137.8	138.7	139.7	141.2	143.0
7.5°	129.4	130.6	131.8	133.3	134.8	136.5	138.4
10°	126.0	127.5	128.9	131.3	133.5	136.6	138.9
12.5°	123.1	125.5	127.8	132.4	137.1	143.4	149.1
15°	121.6	125.8	129.9	138.6	147.2	158.5	170.3
17.5°	120.1	127.1	134.2	149.9	165.6	187.3	213.1
20°	119.2	130.6	142.0	167.8	193.6	228.9	268.3
22.5°	119.9	138.5	157.0	196.4	235.8	285.6	333.2
25°	119.7	147.1	174.5	230.3	286.1	353.4	411.8
27.5°	121.2	162.0	202.8	276.6	350.5	430.0	491.8
30°	124.9	179.9	234.9	328.5	422.2	517.6	587.4
32.5°	129.2	200.0	271.0	386.6	502.1	613.6	687.6
35°	135.3	225.6	315.8	452.7	589.5	711.3	779.1
37.5°	141.5	254.2	367.1	527.4	687.8	818.7	881.3
40°	147.3	282.4	417.4	604.8	792.2	936.5	989.3
42.5°	152.5	307.6	462.6	679.9	897.2	1061.8	1120.6
45°	157.1	329.0	500.8	762.4	1023.9	1242.2	1358.0
47.5°	161.0	342.0	523.0	854.7	1186.4	1511.0	1704.4
50°	164.9	347.8	530.7	943.2	1355.8	1827.1	2163.4
52.5°	163.6	338.2	512.8	981.3	1449.7	2053.7	2577.9
55°	156.7	315.8	474.8	962.6	1450.3	2139.8	2842.0
57.5°	151.4	284.5	417.6	867.0	1316.3	2031.3	2934.0
60°	155.4	236.0	316.7	702.2	1087.8	1807.1	2750.6
62.5°	141.1	188.0	234.9	557.0	879.2	1539.3	2447.7
65°	121.4	143.4	165.4	437.5	709.7	1288.6	2093.1
67.5°	84.1	93.8	103.6	325.0	546.4	1036.0	1793.4
70°	61.3	67.0	72.7	241.2	409.6	802.4	1479.9
72.5°	42.3	46.4	50.5	160.3	270.2	553.5	1127.9
75°	29.1	32.1	35.1	100.8	166.4	353.5	785.9
77.5°	17.8	20.0	22.4	54.9	87.3	185.2	421.5
80°	10.7	12.3	13.9	21.9	30.1	56.2	124.1
82.5°	5.7	6.6	7.5	9.1	10.7	17.1	37.5
85°	2.0	2.4	2.8	3.0	3.3	4.2	8.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)