

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: P1209345

Luminaire Tested: UPW-SA2-110-750-U-SLR-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209345  
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-SA2-110-750-U-SLR-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATING  
RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9333 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

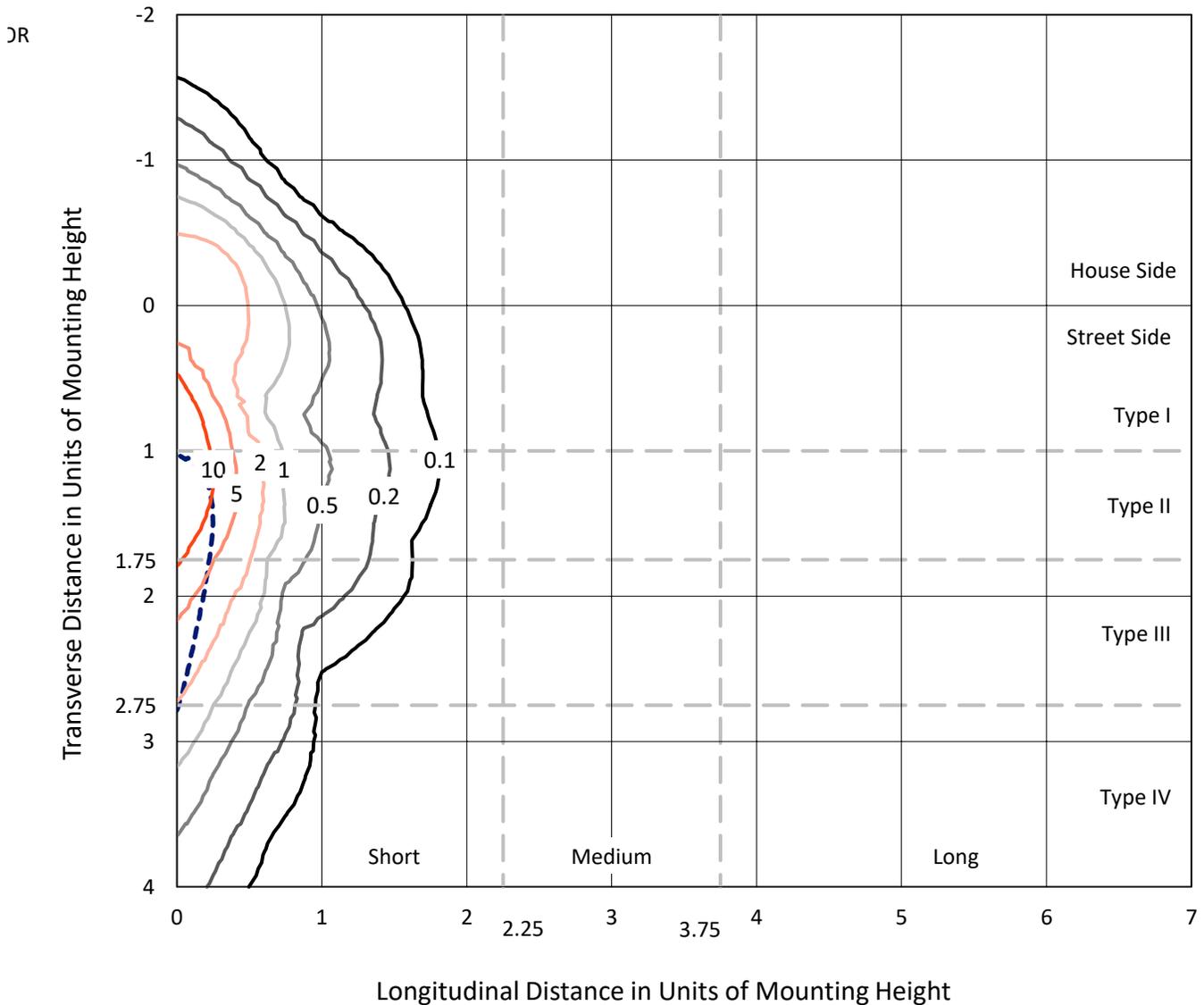
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1209345  
 CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

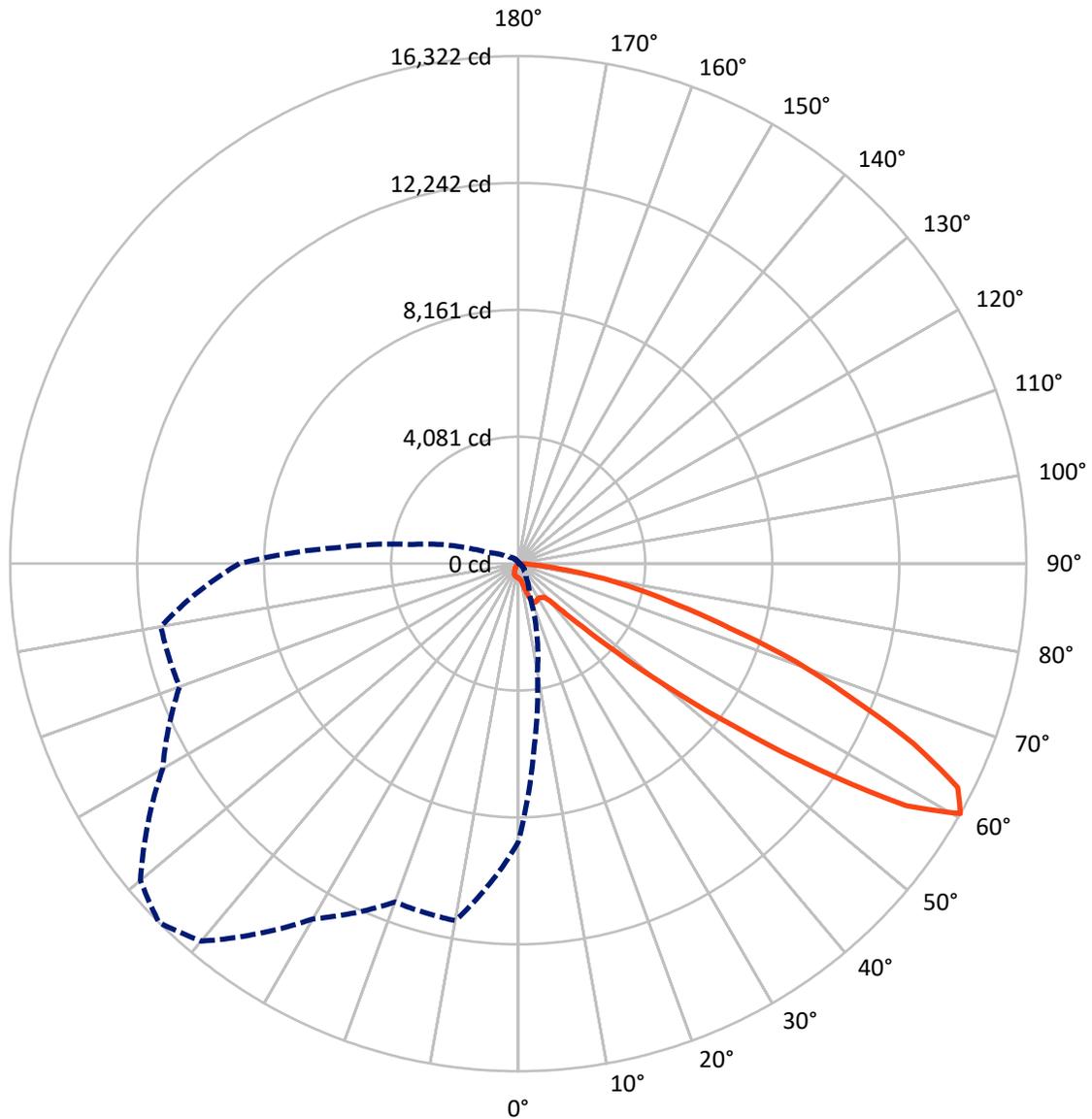
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P1209345  
CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

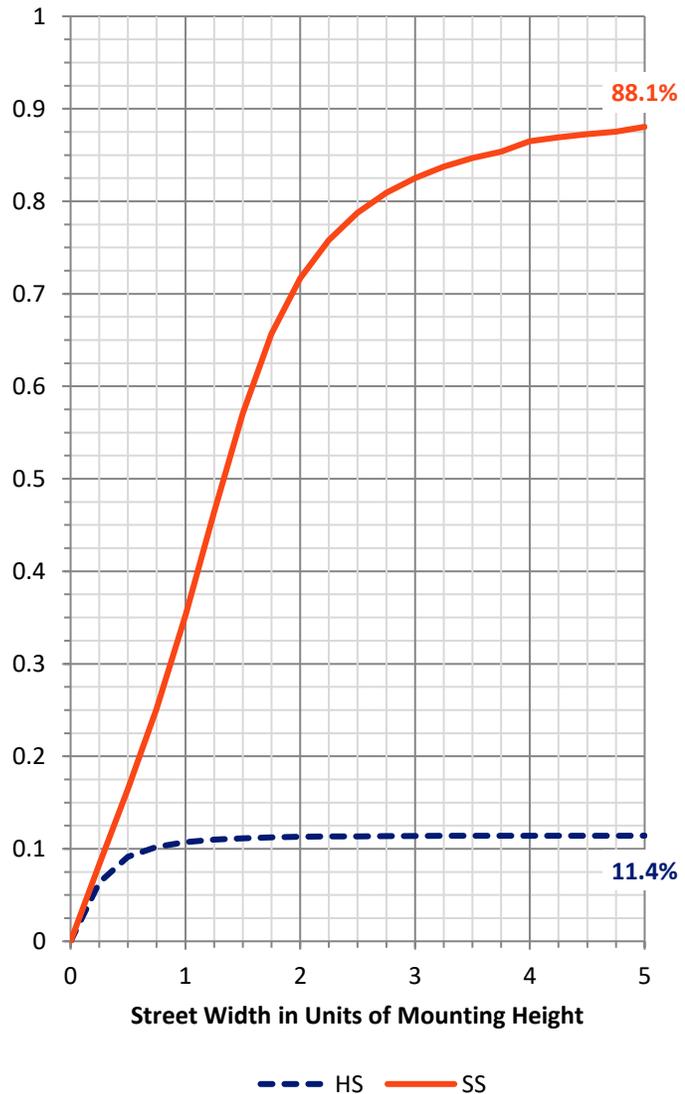
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1075.2	0.0	1075.2
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	8257.8	0.0	8257.8
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	9333.0	0.0	9333.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.4	0.5
10°-20°	144.0	1.5
20°-30°	311.0	3.3
30°-40°	524.0	5.6
40°-50°	1058.1	11.3
50°-60°	2721.6	29.2
60°-70°	2959.0	31.7
70°-80°	1393.9	14.9
80°-90°	179.0	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°	9333.0	100.0
0°-180°	9333.0	100.0



REPORT NUMBER: P1209345

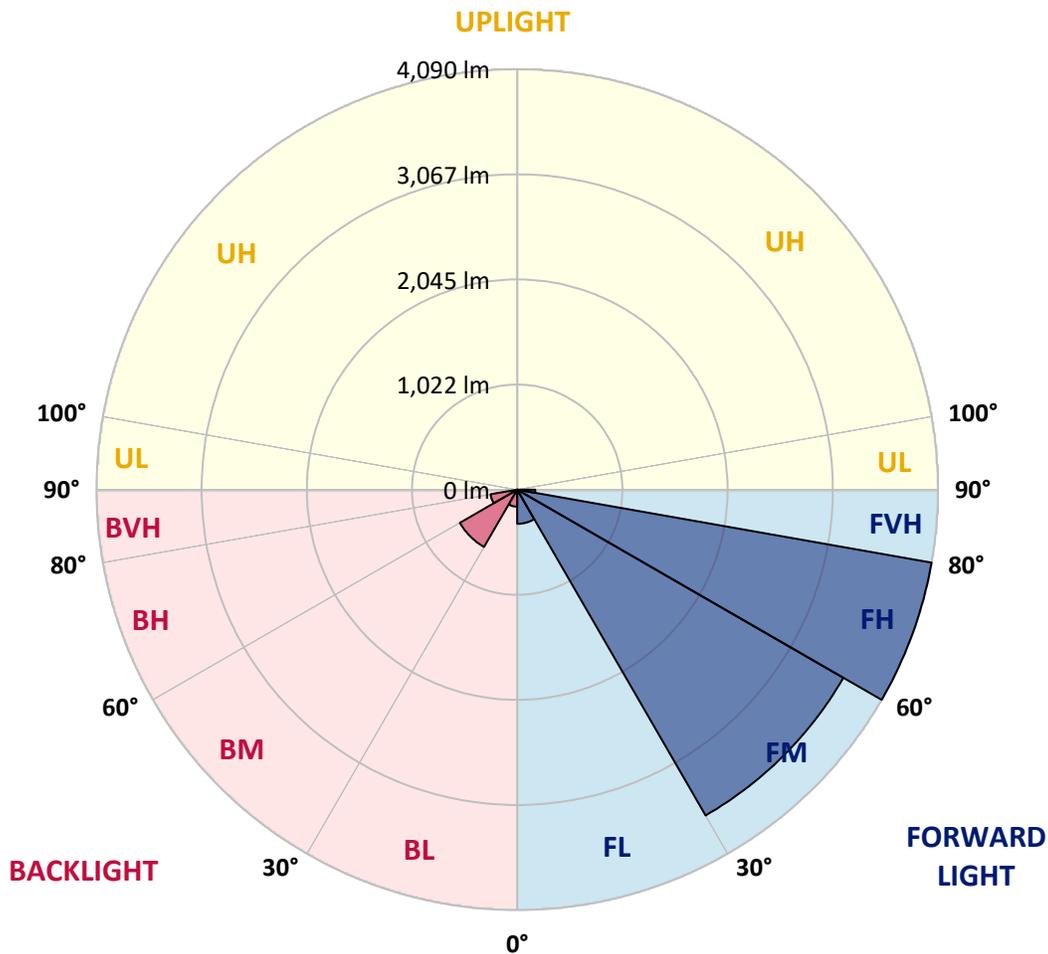
CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.1	3.6			
FM	(30°-60°)	3660.1	39.2			
FH	(60°-80°)	4089.8	43.8			G2/5000
FVH	(80°-90°)	175.8	1.9			G2/225
BL	(0°-30°)	165.3	1.8	B1/500		
BM	(30°-60°)	643.6	6.9	B1/1000		
BH	(60°-80°)	263.1	2.8	B1/500		G1/500
BVH	(80°-90°)	3.2	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





REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	467.3	468.9	467.7	465.8	463.9	462.9	462.3	461.6	461.0	459.4	458.8
5°	465.8	459.7	455.0	451.8	448.6	445.8	442.8	439.6	436.4	434.1	430.3
7.5°	450.7	444.5	438.8	434.1	429.3	425.4	421.4	418.5	415.9	414.3	413.8
10°	452.3	444.7	434.9	427.4	419.8	415.1	410.3	405.9	401.6	397.6	398.4
12.5°	485.6	466.9	446.4	431.2	416.3	408.6	400.8	396.1	391.3	388.1	386.2
15°	554.5	516.1	479.2	451.2	423.0	409.5	396.1	389.9	383.7	378.6	372.0
17.5°	693.9	610.1	539.4	488.1	436.9	413.8	391.0	382.6	374.2	368.3	364.7
20°	873.7	745.5	630.5	546.4	462.3	425.2	388.1	376.7	365.2	359.6	353.9
22.5°	1085.2	929.9	768.0	639.7	511.4	450.9	390.5	372.6	354.9	346.9	337.8
25°	1341.0	1150.9	931.8	750.1	568.4	479.1	389.7	364.7	339.8	331.1	326.0
27.5°	1601.6	1400.3	1141.4	900.8	660.3	527.5	394.8	360.9	326.7	316.0	310.7
30°	1912.9	1685.4	1374.8	1069.7	764.9	585.8	406.8	360.2	313.7	300.2	295.3
32.5°	2239.3	1998.2	1635.2	1258.8	882.4	651.4	420.6	362.5	304.2	289.9	280.7
35°	2537.1	2316.4	1919.7	1474.1	1028.5	734.8	440.7	364.2	287.5	271.7	263.9
37.5°	2869.8	2666.1	2239.8	1717.4	1195.3	827.9	460.7	365.8	270.9	253.5	248.4
40°	3221.5	3049.6	2579.9	1969.5	1359.2	919.5	479.7	368.5	257.4	238.4	232.2
42.5°	3649.2	3457.7	2921.6	2214.1	1506.6	1001.5	496.6	373.2	250.0	220.2	217.2
45°	4422.3	4045.1	3334.4	2482.6	1630.9	1071.2	511.7	382.4	253.2	204.4	199.0
47.5°	5550.3	4920.5	3863.6	2783.3	1703.0	1113.7	524.4	396.2	268.0	194.1	178.4
50°	7045.0	5949.8	4415.2	3071.6	1728.1	1132.5	537.0	416.8	296.6	204.4	172.7
52.5°	8394.7	6687.7	4720.9	3195.5	1670.1	1101.3	532.6	429.6	326.7	239.2	182.3
55°	9254.9	6968.1	4722.8	3134.5	1546.2	1028.3	510.4	431.2	352.0	287.5	206.1
57.5°	9554.4	6614.9	4286.5	2823.2	1360.0	926.6	493.0	417.4	341.9	306.5	225.3
60°	8957.1	5884.9	3542.3	2286.8	1031.3	768.7	506.2	404.9	303.9	275.7	220.8
62.5°	7970.9	5012.6	2863.0	1813.9	764.9	612.1	459.4	360.6	261.7	218.6	197.2
65°	6816.1	4196.4	2311.0	1424.8	538.6	467.0	395.3	321.3	247.1	171.9	162.9
67.5°	5840.2	3373.7	1779.4	1058.4	337.4	305.6	273.8	241.6	209.4	143.4	127.1
70°	4819.2	2612.8	1333.9	785.4	236.8	218.3	199.6	183.1	166.7	121.2	98.5
72.5°	3673.0	1802.4	880.0	522.2	164.4	151.1	137.8	129.3	120.7	99.8	76.4
75°	2559.3	1151.1	541.8	328.1	114.4	104.6	94.7	87.0	79.2	65.7	49.7
77.5°	1372.7	603.1	284.4	178.7	72.9	65.3	57.8	51.3	44.7	41.2	30.9
80°	404.0	183.0	97.9	71.4	45.1	39.9	34.9	29.8	24.6	23.0	15.8
82.5°	122.0	55.8	34.9	29.8	24.6	21.5	18.7	15.0	11.4	9.5	6.7
85°	26.9	13.6	10.8	9.8	9.2	7.9	6.7	5.4	4.0	2.4	1.0
87.5°	4.0	0.6	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



REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	459.3	459.7	459.1	458.2	456.9	455.5	456.6	457.8	456.4	455.0	455.3
5°	430.3	430.1	431.2	432.5	432.6	432.8	434.7	436.4	437.1	437.6	438.2
7.5°	410.9	408.4	408.4	408.4	408.7	409.0	410.2	411.1	412.5	413.8	417.3
10°	396.7	394.8	393.7	392.6	391.6	391.0	394.3	397.6	398.6	399.5	403.7
12.5°	383.9	381.5	380.1	378.6	377.0	375.5	377.0	378.6	381.6	384.6	390.3
15°	370.5	369.1	367.4	365.6	364.1	362.5	363.7	365.2	366.7	368.3	374.0
17.5°	360.9	357.2	354.1	350.9	348.2	345.4	344.1	343.0	348.2	353.3	358.2
20°	349.0	344.1	339.8	335.5	332.0	328.7	327.9	327.1	329.4	331.4	337.8
22.5°	333.3	329.2	324.0	318.7	314.0	309.2	308.0	306.5	307.7	308.9	312.1
25°	319.9	313.7	308.0	302.3	297.2	292.3	288.3	284.4	284.5	284.8	286.6
27.5°	304.8	299.1	293.1	287.1	281.4	275.7	270.6	265.4	263.3	261.4	259.7
30°	290.2	285.2	279.0	272.8	266.0	259.0	253.5	247.9	242.2	236.4	232.7
32.5°	275.0	269.3	263.8	258.2	251.6	244.8	234.8	225.0	218.9	213.1	206.1
35°	259.2	254.3	248.1	242.1	234.5	226.9	217.7	208.3	198.2	188.2	178.1
37.5°	244.6	240.8	234.3	227.8	218.5	209.1	199.3	189.3	175.2	161.3	149.5
40°	229.6	226.9	220.5	214.2	203.4	192.5	179.0	165.5	150.3	135.0	122.3
42.5°	213.7	210.4	204.4	198.3	187.9	177.4	161.9	146.5	129.7	112.8	99.6
45°	196.0	193.0	188.8	185.0	173.0	161.3	143.2	125.2	109.3	93.5	82.1
47.5°	176.5	174.6	173.5	172.4	159.7	147.0	128.2	109.3	94.3	79.2	68.4
50°	166.2	159.7	159.7	159.7	146.7	133.9	114.9	95.8	82.1	68.1	58.6
52.5°	163.5	144.5	144.2	143.8	132.4	121.2	102.7	84.0	73.0	62.1	53.1
55°	169.2	132.3	129.0	125.5	115.5	105.3	90.0	74.5	64.6	54.7	46.6
57.5°	175.5	125.5	116.0	106.5	98.1	89.5	76.4	63.4	55.1	46.7	39.0
60°	172.7	124.8	107.7	90.6	83.0	75.2	64.2	53.1	45.0	36.8	30.1
62.5°	162.4	127.5	103.6	79.5	71.6	63.7	52.9	42.0	35.5	28.8	23.0
65°	143.8	124.8	98.9	72.9	63.2	53.5	44.2	34.9	27.7	20.6	15.2
67.5°	113.3	99.5	81.7	64.2	53.7	43.1	34.2	25.3	19.2	13.0	8.6
70°	86.8	75.2	65.9	56.7	45.1	33.6	23.9	14.3	9.5	4.8	2.9
72.5°	65.9	55.4	49.7	44.0	34.2	24.6	15.5	6.3	4.1	1.9	1.3
75°	42.1	34.5	31.5	28.5	22.8	17.1	10.9	4.8	3.0	1.3	0.6
77.5°	26.6	22.2	21.2	20.3	16.8	13.5	8.2	3.2	1.9	0.8	0.3
80°	14.1	12.4	12.4	12.4	10.1	7.9	4.8	1.6	0.8	0.0	0.0
82.5°	5.7	4.8	4.8	4.8	4.0	3.2	1.6	0.0	0.0	0.0	0.0
85°	1.3	1.6	1.4	1.3	0.8	0.3	0.2	0.0	0.0	0.0	0.0
87.5°	0.2	0.3	0.3	0.3	0.2	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



REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	455.5	453.9	452.3	450.5	448.6	448.3	448.6	450.5	452.3	453.9	455.5
5°	438.8	439.1	439.6	439.8	440.1	440.4	440.1	439.8	439.6	439.1	438.8
7.5°	420.6	422.3	424.3	426.3	428.5	432.5	428.5	426.3	424.3	422.3	420.6
10°	407.5	409.7	411.9	413.6	415.4	418.2	415.4	413.6	411.9	409.7	407.5
12.5°	396.1	400.5	404.8	405.7	406.8	407.1	406.8	405.7	404.8	400.5	396.1
15°	379.9	384.8	389.7	392.1	394.5	396.1	394.5	392.1	389.7	384.8	379.9
17.5°	363.1	368.3	373.6	378.0	382.6	385.0	382.6	378.0	373.6	368.3	363.1
20°	344.1	350.4	356.8	358.8	360.9	359.6	360.9	358.8	356.8	350.4	344.1
22.5°	315.3	320.0	324.8	328.2	331.9	335.9	331.9	328.2	324.8	320.0	315.3
25°	288.3	290.1	291.8	293.9	295.9	297.8	295.9	293.9	291.8	290.1	288.3
27.5°	257.9	257.4	257.0	256.6	256.3	255.1	256.3	256.6	257.0	257.4	257.9
30°	228.9	225.0	221.0	218.0	215.1	213.9	215.1	218.0	221.0	225.0	228.9
32.5°	199.3	192.0	185.0	180.3	175.5	172.7	175.5	180.3	185.0	192.0	199.3
35°	167.9	158.4	148.9	143.5	138.1	136.2	138.1	143.5	148.9	158.4	167.9
37.5°	137.8	128.2	118.5	112.8	107.4	104.6	107.4	112.8	118.5	128.2	137.8
40°	109.6	100.4	91.1	86.3	81.6	79.2	81.6	86.3	91.1	100.4	109.6
42.5°	86.3	78.4	70.5	66.2	61.8	58.6	61.8	66.2	70.5	78.4	86.3
45°	70.5	63.1	55.4	52.1	48.8	47.5	48.8	52.1	55.4	63.1	70.5
47.5°	57.8	50.9	44.0	40.9	37.7	36.4	37.7	40.9	44.0	50.9	57.8
50°	49.1	42.6	36.1	33.0	29.8	28.5	29.8	33.0	36.1	42.6	49.1
52.5°	44.0	37.1	30.1	26.9	23.8	22.2	23.8	26.9	30.1	37.1	44.0
55°	38.3	31.1	23.8	20.4	17.1	15.8	17.1	20.4	23.8	31.1	38.3
57.5°	31.4	24.4	17.4	14.6	11.9	11.1	11.9	14.6	17.4	24.4	31.4
60°	23.4	17.3	11.1	8.2	5.5	4.8	5.5	8.2	11.1	17.3	23.4
62.5°	17.1	11.2	5.5	3.0	0.3	0.0	0.3	3.0	5.5	11.2	17.1
65°	9.8	6.0	1.9	1.0	0.0	0.0	0.0	1.0	1.9	6.0	9.8
67.5°	4.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.0
70°	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8
72.5°	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	455.3	455.0	456.4	457.8	456.6	455.5	456.9	458.2	459.1	459.7	459.3
5°	438.2	437.6	437.1	436.4	434.7	432.8	432.6	432.5	431.2	430.1	430.3
7.5°	417.3	413.8	412.5	411.1	410.2	409.0	408.7	408.4	408.4	408.4	410.9
10°	403.7	399.5	398.6	397.6	394.3	391.0	391.6	392.6	393.7	394.8	396.7
12.5°	390.3	384.6	381.6	378.6	377.0	375.5	377.0	378.6	380.1	381.5	383.9
15°	374.0	368.3	366.7	365.2	363.7	362.5	364.1	365.6	367.4	369.1	370.5
17.5°	358.2	353.3	348.2	343.0	344.1	345.4	348.2	350.9	354.1	357.2	360.9
20°	337.8	331.4	329.4	327.1	327.9	328.7	332.0	335.5	339.8	344.1	349.0
22.5°	312.1	308.9	307.7	306.5	308.0	309.2	314.0	318.7	324.0	329.2	333.3
25°	286.6	284.8	284.5	284.4	288.3	292.3	297.2	302.3	308.0	313.7	319.9
27.5°	259.7	261.4	263.3	265.4	270.6	275.7	281.4	287.1	293.1	299.1	304.8
30°	232.7	236.4	242.2	247.9	253.5	259.0	266.0	272.8	279.0	285.2	290.2
32.5°	206.1	213.1	218.9	225.0	234.8	244.8	251.6	258.2	263.8	269.3	275.0
35°	178.1	188.2	198.2	208.3	217.7	226.9	234.5	242.1	248.1	254.3	259.2
37.5°	149.5	161.3	175.2	189.3	199.3	209.1	218.5	227.8	234.3	240.8	244.6
40°	122.3	135.0	150.3	165.5	179.0	192.5	203.4	214.2	220.5	226.9	229.6
42.5°	99.6	112.8	129.7	146.5	161.9	177.4	187.9	198.3	204.4	210.4	213.7
45°	82.1	93.5	109.3	125.2	143.2	161.3	173.0	185.0	188.8	193.0	196.0
47.5°	68.4	79.2	94.3	109.3	128.2	147.0	159.7	172.4	173.5	174.6	176.5
50°	58.6	68.1	82.1	95.8	114.9	133.9	146.7	159.7	159.7	159.7	166.2
52.5°	53.1	62.1	73.0	84.0	102.7	121.2	132.4	143.8	144.2	144.5	163.5
55°	46.6	54.7	64.6	74.5	90.0	105.3	115.5	125.5	129.0	132.3	169.2
57.5°	39.0	46.7	55.1	63.4	76.4	89.5	98.1	106.5	116.0	125.5	175.5
60°	30.1	36.8	45.0	53.1	64.2	75.2	83.0	90.6	107.7	124.8	172.7
62.5°	23.0	28.8	35.5	42.0	52.9	63.7	71.6	79.5	103.6	127.5	162.4
65°	15.2	20.6	27.7	34.9	44.2	53.5	63.2	72.9	98.9	124.8	143.8
67.5°	8.6	13.0	19.2	25.3	34.2	43.1	53.7	64.2	81.7	99.5	113.3
70°	2.9	4.8	9.5	14.3	23.9	33.6	45.1	56.7	65.9	75.2	86.8
72.5°	1.3	1.9	4.1	6.3	15.5	24.6	34.2	44.0	49.7	55.4	65.9
75°	0.6	1.3	3.0	4.8	10.9	17.1	22.8	28.5	31.5	34.5	42.1
77.5°	0.3	0.8	1.9	3.2	8.2	13.5	16.8	20.3	21.2	22.2	26.6
80°	0.0	0.0	0.8	1.6	4.8	7.9	10.1	12.4	12.4	12.4	14.1
82.5°	0.0	0.0	0.0	0.0	1.6	3.2	4.0	4.8	4.8	4.8	5.7
85°	0.0	0.0	0.0	0.0	0.2	0.3	0.8	1.3	1.4	1.6	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.3	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



REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	458.8	459.4	461.0	461.6	462.3	462.9	463.9	465.8	467.7	468.9	467.3
5°	430.3	434.1	436.4	439.6	442.8	445.8	448.6	451.8	455.0	459.7	465.8
7.5°	413.8	414.3	415.9	418.5	421.4	425.4	429.3	434.1	438.8	444.5	450.7
10°	398.4	397.6	401.6	405.9	410.3	415.1	419.8	427.4	434.9	444.7	452.3
12.5°	386.2	388.1	391.3	396.1	400.8	408.6	416.3	431.2	446.4	466.9	485.6
15°	372.0	378.6	383.7	389.9	396.1	409.5	423.0	451.2	479.2	516.1	554.5
17.5°	364.7	368.3	374.2	382.6	391.0	413.8	436.9	488.1	539.4	610.1	693.9
20°	353.9	359.6	365.2	376.7	388.1	425.2	462.3	546.4	630.5	745.5	873.7
22.5°	337.8	346.9	354.9	372.6	390.5	450.9	511.4	639.7	768.0	929.9	1085.2
25°	326.0	331.1	339.8	364.7	389.7	479.1	568.4	750.1	931.8	1150.9	1341.0
27.5°	310.7	316.0	326.7	360.9	394.8	527.5	660.3	900.8	1141.4	1400.3	1601.6
30°	295.3	300.2	313.7	360.2	406.8	585.8	764.9	1069.7	1374.8	1685.4	1912.9
32.5°	280.7	289.9	304.2	362.5	420.6	651.4	882.4	1258.8	1635.2	1998.2	2239.3
35°	263.9	271.7	287.5	364.2	440.7	734.8	1028.5	1474.1	1919.7	2316.4	2537.1
37.5°	248.4	253.5	270.9	365.8	460.7	827.9	1195.3	1717.4	2239.8	2666.1	2869.8
40°	232.2	238.4	257.4	368.5	479.7	919.5	1359.2	1969.5	2579.9	3049.6	3221.5
42.5°	217.2	220.2	250.0	373.2	496.6	1001.5	1506.6	2214.1	2921.6	3457.7	3649.2
45°	199.0	204.4	253.2	382.4	511.7	1071.2	1630.9	2482.6	3334.4	4045.1	4422.3
47.5°	178.4	194.1	268.0	396.2	524.4	1113.7	1703.0	2783.3	3863.6	4920.5	5550.3
50°	172.7	204.4	296.6	416.8	537.0	1132.5	1728.1	3071.6	4415.2	5949.8	7045.0
52.5°	182.3	239.2	326.7	429.6	532.6	1101.3	1670.1	3195.5	4720.9	6687.7	8394.7
55°	206.1	287.5	352.0	431.2	510.4	1028.3	1546.2	3134.5	4722.8	6968.1	9254.9
57.5°	225.3	306.5	341.9	417.4	493.0	926.6	1360.0	2823.2	4286.5	6614.9	9554.4
60°	220.8	275.7	303.9	404.9	506.2	768.7	1031.3	2286.8	3542.3	5884.9	8957.1
62.5°	197.2	218.6	261.7	360.6	459.4	612.1	764.9	1813.9	2863.0	5012.6	7970.9
65°	162.9	171.9	247.1	321.3	395.3	467.0	538.6	1424.8	2311.0	4196.4	6816.1
67.5°	127.1	143.4	209.4	241.6	273.8	305.6	337.4	1058.4	1779.4	3373.7	5840.2
70°	98.5	121.2	166.7	183.1	199.6	218.3	236.8	785.4	1333.9	2612.8	4819.2
72.5°	76.4	99.8	120.7	129.3	137.8	151.1	164.4	522.2	880.0	1802.4	3673.0
75°	49.7	65.7	79.2	87.0	94.7	104.6	114.4	328.1	541.8	1151.1	2559.3
77.5°	30.9	41.2	44.7	51.3	57.8	65.3	72.9	178.7	284.4	603.1	1372.7
80°	15.8	23.0	24.6	29.8	34.9	39.9	45.1	71.4	97.9	183.0	404.0
82.5°	6.7	9.5	11.4	15.0	18.7	21.5	24.6	29.8	34.9	55.8	122.0
85°	1.0	2.4	4.0	5.4	6.7	7.9	9.2	9.8	10.8	13.6	26.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	468.8	470.2	472.3	474.5	475.4	476.5	477.0	477.5	473.7	477.5	477.0
5°	469.7	473.7	478.4	483.2	485.7	488.3	489.5	490.8	494.3	490.8	489.5
7.5°	460.8	470.8	480.0	489.2	496.2	503.5	509.5	515.5	519.6	515.5	509.5
10°	470.7	489.2	507.1	525.2	538.9	552.9	562.2	571.6	576.7	571.6	562.2
12.5°	515.5	545.3	575.4	605.5	633.8	662.2	681.1	699.9	712.9	699.9	681.1
15°	610.7	667.0	719.5	772.3	816.2	860.2	883.5	906.8	909.3	906.8	883.5
17.5°	776.1	858.3	928.2	998.1	1044.8	1091.5	1113.9	1136.2	1142.2	1136.2	1113.9
20°	977.1	1080.4	1146.3	1212.2	1243.6	1275.0	1286.7	1298.4	1291.1	1298.4	1286.7
22.5°	1194.8	1304.6	1349.7	1394.9	1391.9	1389.0	1379.2	1369.4	1352.9	1369.4	1379.2
25°	1432.1	1523.2	1513.7	1504.2	1465.6	1427.1	1394.4	1361.8	1346.6	1361.8	1394.4
27.5°	1650.9	1700.2	1632.7	1565.2	1491.7	1418.2	1374.6	1330.9	1303.8	1330.9	1374.6
30°	1881.1	1849.1	1729.0	1608.8	1515.8	1422.6	1371.0	1319.3	1288.0	1319.3	1371.0
32.5°	2126.8	2014.3	1843.1	1671.7	1563.5	1455.1	1395.4	1335.5	1297.5	1335.5	1395.4
35°	2352.7	2168.5	1951.4	1734.4	1617.8	1501.5	1432.4	1363.7	1333.9	1363.7	1432.4
37.5°	2591.9	2314.2	2050.9	1787.8	1660.6	1533.5	1470.1	1406.9	1375.1	1406.9	1470.1
40°	2856.3	2491.2	2183.7	1876.0	1764.2	1652.3	1610.8	1569.3	1560.4	1569.3	1610.8
42.5°	3200.7	2752.1	2423.2	2094.3	2041.4	1988.5	2002.6	2016.5	2073.7	2016.5	2002.6
45°	3874.3	3326.5	2955.2	2583.8	2603.5	2623.1	2731.0	2839.1	2902.3	2839.1	2731.0
47.5°	4954.4	4358.5	3884.6	3410.8	3542.6	3674.6	3936.6	4198.8	4255.2	4198.8	3936.6
50°	6411.4	5777.9	5186.5	4595.0	4873.0	5151.1	5652.0	6152.7	6235.4	6152.7	5652.0
52.5°	7906.1	7417.6	6725.6	6033.5	6505.5	6977.6	7712.9	8448.3	8673.5	8448.3	7712.9
55°	9414.6	9574.2	8847.8	8121.4	8697.1	9272.7	10241.6	11210.5	11642.3	11210.5	10241.6
57.5°	10497.9	11441.5	10932.8	10424.1	11018.2	11612.2	12809.6	14006.9	14688.8	14006.9	12809.6
60°	10307.5	11657.9	11617.9	11578.2	12384.4	13190.4	14518.3	15846.2	16322.1	15846.2	14518.3
62.5°	9084.6	10198.3	10400.6	10603.1	11738.8	12874.5	14114.7	15354.8	15842.1	15354.8	14114.7
65°	7812.4	8808.5	8965.0	9121.5	10334.1	11547.0	12667.0	13787.0	13952.1	13787.0	12667.0
67.5°	6848.5	7856.9	7955.3	8053.8	9085.4	10117.1	10947.5	11777.9	11574.2	11777.9	10947.5
70°	5885.5	6951.8	7114.8	7277.8	8008.2	8738.5	9223.9	9709.3	9464.1	9709.3	9223.9
72.5°	4752.9	5833.1	5983.6	6134.1	6641.2	7148.3	7388.4	7628.3	7144.8	7628.3	7388.4
75°	3487.5	4415.5	4613.2	4810.9	5166.4	5522.2	5618.9	5715.5	5269.1	5715.5	5618.9
77.5°	1994.8	2617.1	2967.4	3317.6	3703.2	4088.8	4134.8	4180.7	3884.5	4180.7	4134.8
80°	689.1	974.3	1386.0	1797.8	2261.0	2724.5	2746.9	2769.2	2549.0	2769.2	2746.9
82.5°	245.7	369.4	655.9	942.3	1279.1	1615.9	1584.2	1552.4	1329.1	1552.4	1584.2
85°	85.5	144.2	318.4	492.7	646.5	800.3	737.8	675.2	548.1	675.2	737.8
87.5°	23.6	43.1	113.4	183.8	221.8	259.8	212.1	164.4	148.9	164.4	212.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1209345

CATALOG NUMBER: UPW-SA2-110-750-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	476.5	475.4	474.5	472.3	470.2	468.8	467.3
5°	488.3	485.7	483.2	478.4	473.7	469.7	465.8
7.5°	503.5	496.2	489.2	480.0	470.8	460.8	450.7
10°	552.9	538.9	525.2	507.1	489.2	470.7	452.3
12.5°	662.2	633.8	605.5	575.4	545.3	515.5	485.6
15°	860.2	816.2	772.3	719.5	667.0	610.7	554.5
17.5°	1091.5	1044.8	998.1	928.2	858.3	776.1	693.9
20°	1275.0	1243.6	1212.2	1146.3	1080.4	977.1	873.7
22.5°	1389.0	1391.9	1394.9	1349.7	1304.6	1194.8	1085.2
25°	1427.1	1465.6	1504.2	1513.7	1523.2	1432.1	1341.0
27.5°	1418.2	1491.7	1565.2	1632.7	1700.2	1650.9	1601.6
30°	1422.6	1515.8	1608.8	1729.0	1849.1	1881.1	1912.9
32.5°	1455.1	1563.5	1671.7	1843.1	2014.3	2126.8	2239.3
35°	1501.5	1617.8	1734.4	1951.4	2168.5	2352.7	2537.1
37.5°	1533.5	1660.6	1787.8	2050.9	2314.2	2591.9	2869.8
40°	1652.3	1764.2	1876.0	2183.7	2491.2	2856.3	3221.5
42.5°	1988.5	2041.4	2094.3	2423.2	2752.1	3200.7	3649.2
45°	2623.1	2603.5	2583.8	2955.2	3326.5	3874.3	4422.3
47.5°	3674.6	3542.6	3410.8	3884.6	4358.5	4954.4	5550.3
50°	5151.1	4873.0	4595.0	5186.5	5777.9	6411.4	7045.0
52.5°	6977.6	6505.5	6033.5	6725.6	7417.6	7906.1	8394.7
55°	9272.7	8697.1	8121.4	8847.8	9574.2	9414.6	9254.9
57.5°	11612.2	11018.2	10424.1	10932.8	11441.5	10497.9	9554.4
60°	13190.4	12384.4	11578.2	11617.9	11657.9	10307.5	8957.1
62.5°	12874.5	11738.8	10603.1	10400.6	10198.3	9084.6	7970.9
65°	11547.0	10334.1	9121.5	8965.0	8808.5	7812.4	6816.1
67.5°	10117.1	9085.4	8053.8	7955.3	7856.9	6848.5	5840.2
70°	8738.5	8008.2	7277.8	7114.8	6951.8	5885.5	4819.2
72.5°	7148.3	6641.2	6134.1	5983.6	5833.1	4752.9	3673.0
75°	5522.2	5166.4	4810.9	4613.2	4415.5	3487.5	2559.3
77.5°	4088.8	3703.2	3317.6	2967.4	2617.1	1994.8	1372.7
80°	2724.5	2261.0	1797.8	1386.0	974.3	689.1	404.0
82.5°	1615.9	1279.1	942.3	655.9	369.4	245.7	122.0
85°	800.3	646.5	492.7	318.4	144.2	85.5	26.9
87.5°	259.8	221.8	183.8	113.4	43.1	23.6	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)