

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: P1208020

Luminaire Tested: UPW-SA1-040-727-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 3227 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

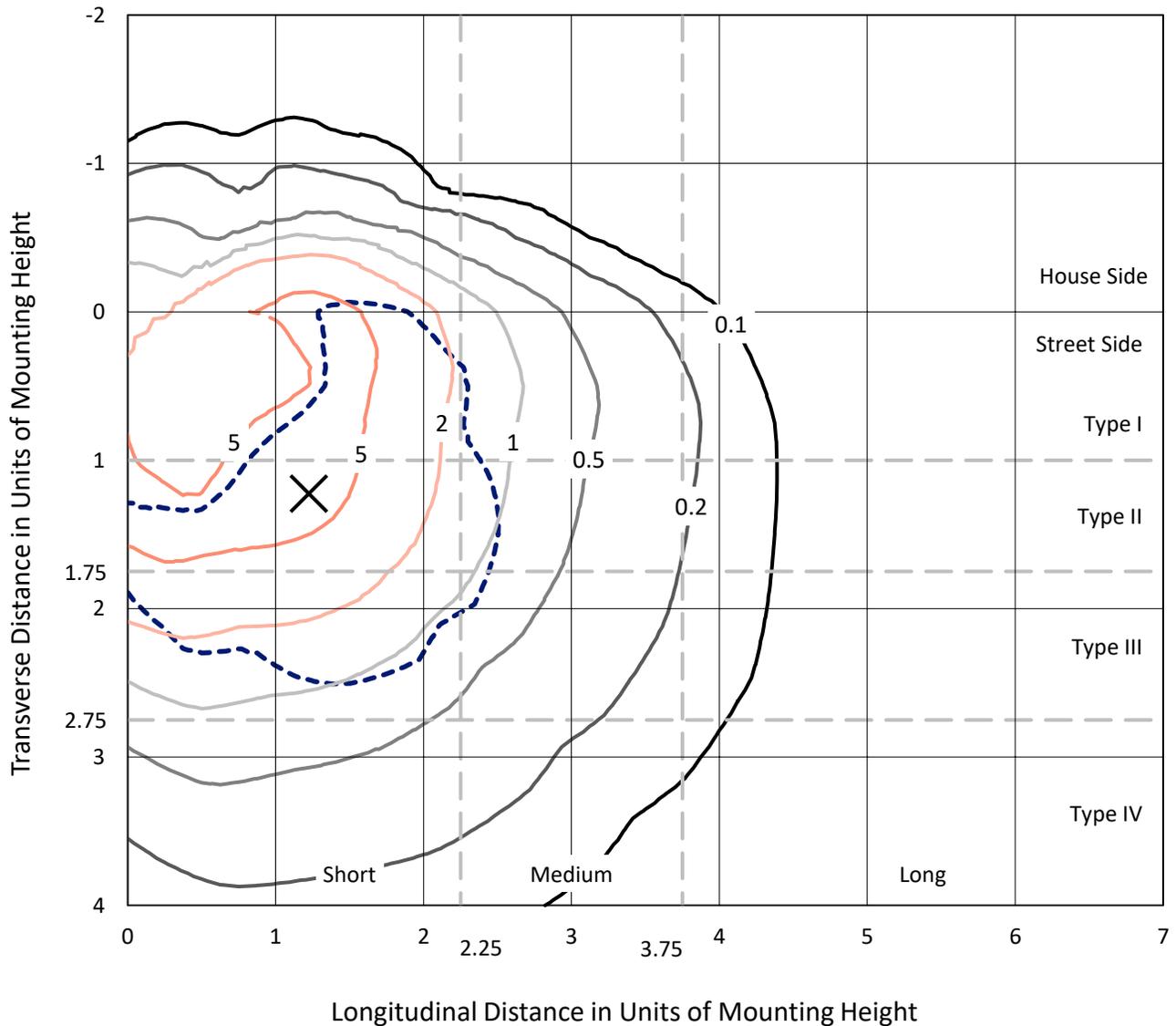
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208020
 CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

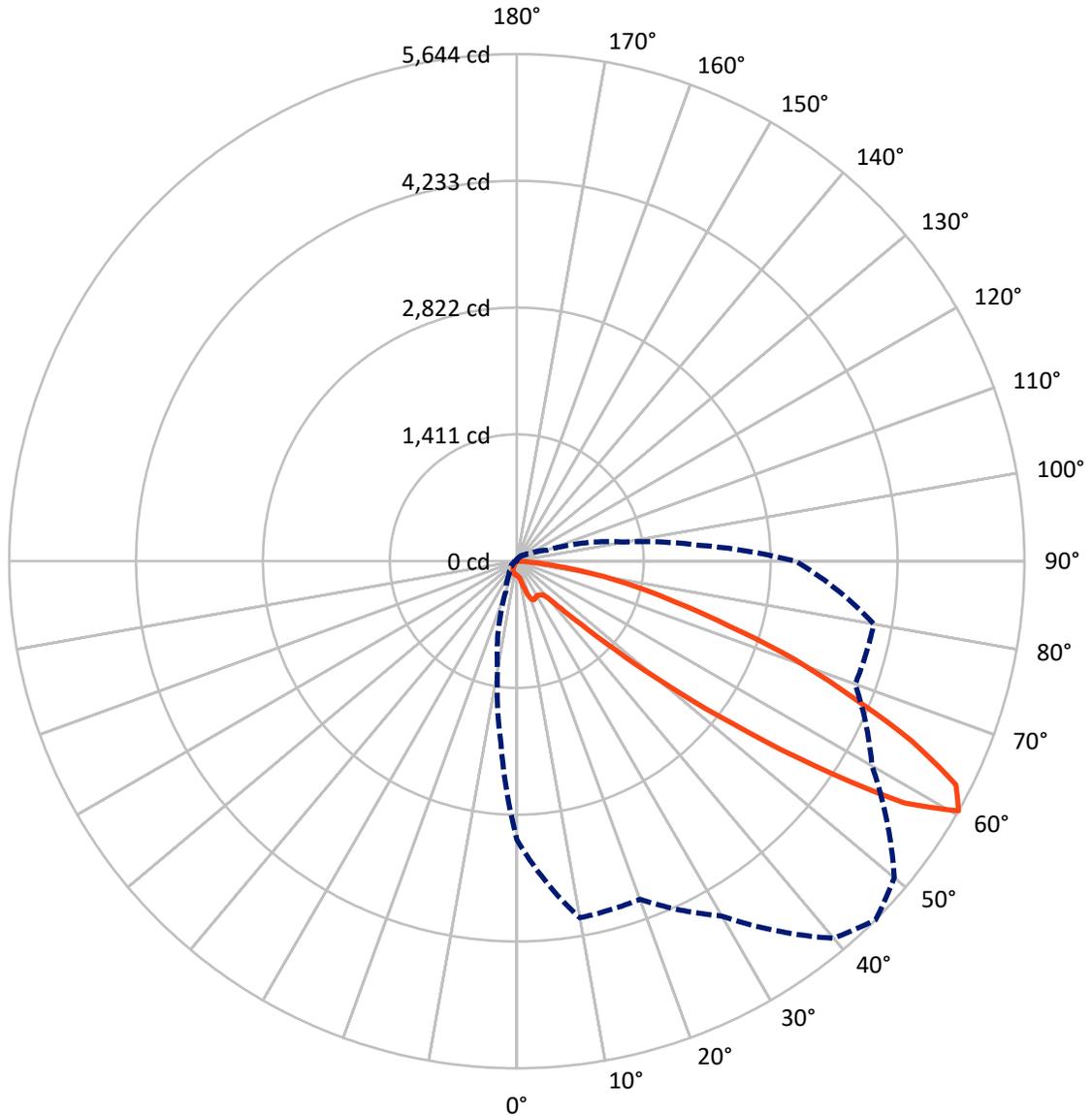
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1208020
CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

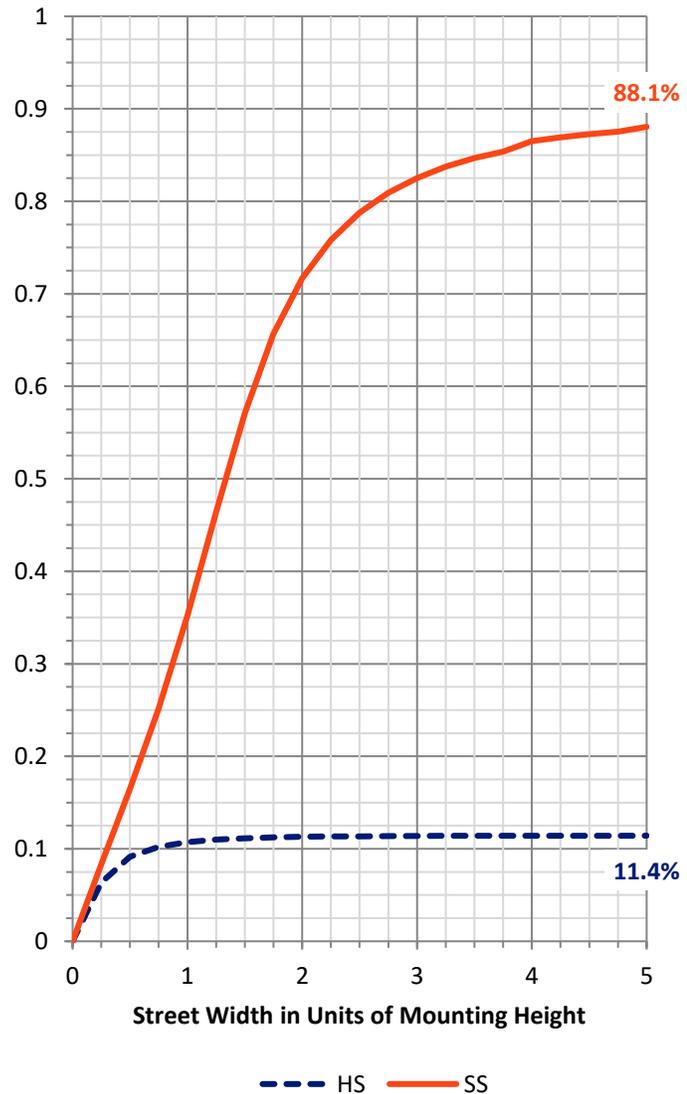
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	371.8	0.0	371.8
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	2855.2	0.0	2855.2
	% Fixture	88.5	0.0	88.5
Total	Lumens	3227.0	0.0	3227.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	0.5
10°-20°	49.8	1.5
20°-30°	107.5	3.3
30°-40°	181.2	5.6
40°-50°	365.9	11.3
50°-60°	941.0	29.2
60°-70°	1023.1	31.7
70°-80°	482.0	14.9
80°-90°	61.9	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°	3227.0	100.0
0°-180°	3227.0	100.0



REPORT NUMBER: P1208020

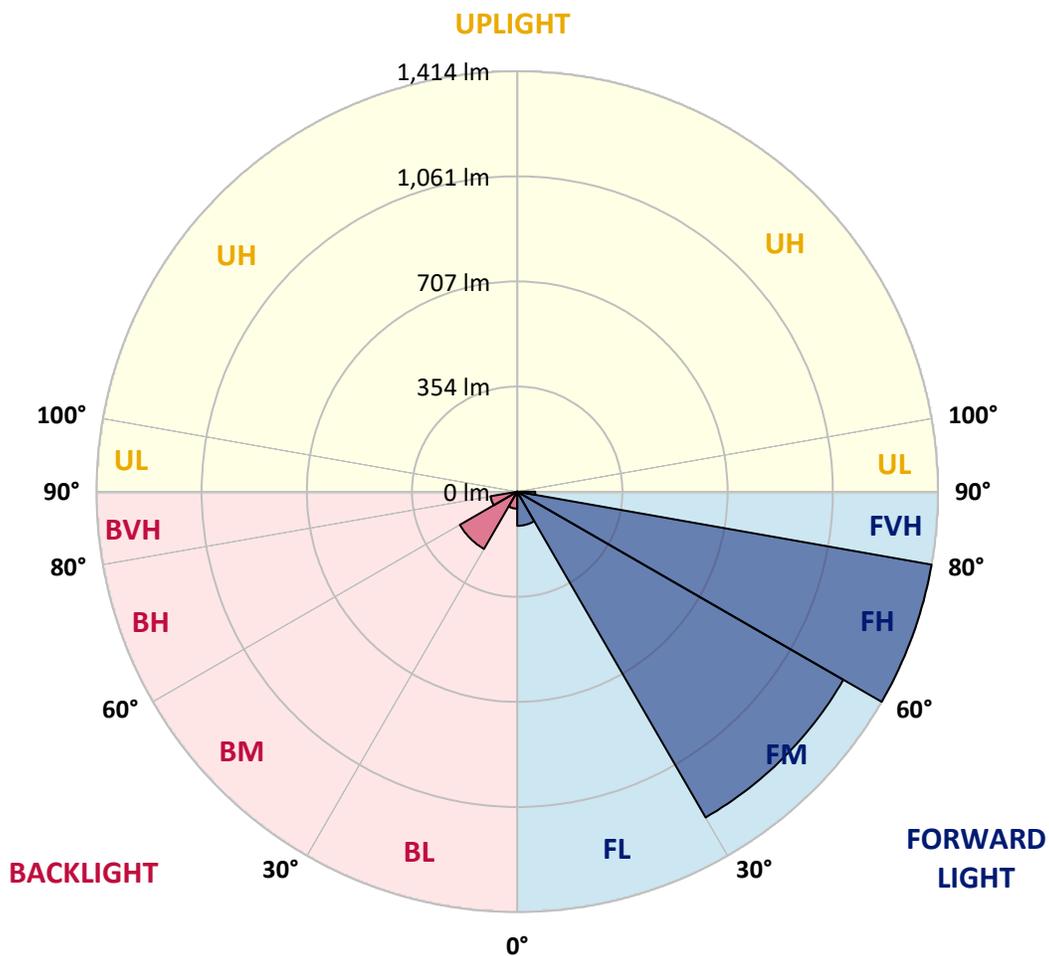
CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	114.8	3.6			
FM	(30°-60°)	1265.5	39.2			
FH	(60°-80°)	1414.1	43.8			G1/1800
FVH	(80°-90°)	60.8	1.9			G1/100
BL	(0°-30°)	57.2	1.8	B0/110		
BM	(30°-60°)	222.5	6.9	B1/1000		
BH	(60°-80°)	91.0	2.8	B0/110		G0/110
BVH	(80°-90°)	1.1	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-G1

Type III Short



REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	161.6	162.1	162.6	163.3	164.1	164.4	164.8	164.9	165.1	163.8	165.1
5°	161.0	162.4	163.8	165.4	167.1	167.9	168.8	169.3	169.7	170.9	169.7
7.5°	155.8	159.3	162.8	166.0	169.1	171.6	174.1	176.2	178.2	179.7	178.2
10°	156.4	162.7	169.1	175.3	181.6	186.3	191.2	194.4	197.6	199.4	197.6
12.5°	167.9	178.2	188.5	198.9	209.4	219.2	229.0	235.5	242.0	246.5	242.0
15°	191.7	211.2	230.6	248.8	267.0	282.2	297.4	305.5	313.5	314.4	313.5
17.5°	239.9	268.3	296.8	320.9	345.1	361.2	377.4	385.1	392.9	394.9	392.9
20°	302.1	337.9	373.6	396.4	419.1	430.0	440.8	444.9	448.9	446.4	448.9
22.5°	375.2	413.1	451.1	466.7	482.3	481.3	480.3	476.9	473.5	467.8	473.5
25°	463.7	495.2	526.7	523.4	520.1	506.7	493.4	482.1	470.9	465.6	470.9
27.5°	553.8	570.8	587.9	564.5	541.2	515.8	490.4	475.3	460.2	450.8	460.2
30°	661.4	650.4	639.3	597.8	556.2	524.1	491.9	474.0	456.2	445.3	456.2
32.5°	774.3	735.4	696.5	637.3	578.0	540.6	503.1	482.5	461.8	448.6	461.8
35°	877.2	813.5	749.8	674.7	599.7	559.4	519.2	495.3	471.5	461.2	471.5
37.5°	992.3	896.2	800.2	709.1	618.1	574.2	530.2	508.3	486.5	475.5	486.5
40°	1113.9	987.6	861.4	755.0	648.7	610.0	571.3	557.0	542.6	539.5	542.6
42.5°	1261.8	1106.7	951.6	837.9	724.1	705.8	687.5	692.4	697.2	717.0	697.2
45°	1529.1	1339.6	1150.2	1021.8	893.4	900.2	907.0	944.3	981.6	1003.5	981.6
47.5°	1919.1	1713.1	1507.0	1343.2	1179.3	1224.9	1270.5	1361.1	1451.8	1471.3	1451.8
50°	2435.9	2216.8	1997.8	1793.3	1588.8	1684.9	1781.0	1954.2	2127.4	2156.0	2127.4
52.5°	2902.6	2733.6	2564.7	2325.5	2086.1	2249.4	2412.6	2666.8	2921.1	2999.0	2921.1
55°	3200.0	3255.2	3310.4	3059.2	2808.1	3007.1	3206.1	3541.2	3876.2	4025.5	3876.2
57.5°	3303.5	3629.8	3956.0	3780.1	3604.3	3809.7	4015.1	4429.1	4843.1	5078.8	4843.1
60°	3097.0	3563.9	4030.9	4017.0	4003.3	4282.1	4560.8	5019.9	5479.0	5643.6	5479.0
62.5°	2756.1	3141.1	3526.2	3596.1	3666.2	4058.8	4451.5	4880.3	5309.1	5477.6	5309.1
65°	2356.7	2701.2	3045.7	3099.8	3153.9	3573.1	3992.5	4379.8	4767.0	4824.1	4767.0
67.5°	2019.3	2368.0	2716.6	2750.6	2784.7	3141.4	3498.1	3785.2	4072.4	4001.9	4072.4
70°	1666.3	2035.0	2403.7	2460.0	2516.4	2768.9	3021.4	3189.3	3357.1	3272.3	3357.1
72.5°	1270.0	1643.4	2016.8	2068.9	2120.9	2296.3	2471.6	2554.6	2637.6	2470.4	2637.6
75°	884.9	1205.8	1526.7	1595.1	1663.4	1786.4	1909.4	1942.8	1976.2	1821.8	1976.2
77.5°	474.6	689.7	904.9	1026.0	1147.1	1280.4	1413.8	1429.7	1445.5	1343.1	1445.5
80°	139.7	238.3	336.9	479.2	621.6	781.8	942.0	949.8	957.5	881.3	957.5
82.5°	42.2	85.0	127.7	226.8	325.8	442.3	558.7	547.8	536.7	459.6	536.7
85°	9.3	29.6	49.8	110.1	170.4	223.5	276.7	255.1	233.5	189.5	233.5
87.5°	1.4	8.2	14.9	39.2	63.5	76.7	89.8	73.3	56.9	51.5	56.9
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: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	164.9	164.8	164.4	164.1	163.3	162.6	162.1	161.6	162.1	161.7	161.0
5°	169.3	168.8	167.9	167.1	165.4	163.8	162.4	161.0	159.0	157.3	156.2
7.5°	176.2	174.1	171.6	169.1	166.0	162.8	159.3	155.8	153.7	151.7	150.1
10°	194.4	191.2	186.3	181.6	175.3	169.1	162.7	156.4	153.8	150.4	147.8
12.5°	235.5	229.0	219.2	209.4	198.9	188.5	178.2	167.9	161.4	154.4	149.1
15°	305.5	297.4	282.2	267.0	248.8	230.6	211.2	191.7	178.5	165.7	156.0
17.5°	385.1	377.4	361.2	345.1	320.9	296.8	268.3	239.9	210.9	186.5	168.8
20°	444.9	440.8	430.0	419.1	396.4	373.6	337.9	302.1	257.8	218.0	188.9
22.5°	476.9	480.3	481.3	482.3	466.7	451.1	413.1	375.2	321.5	265.6	221.2
25°	482.1	493.4	506.7	520.1	523.4	526.7	495.2	463.7	397.9	322.2	259.4
27.5°	475.3	490.4	515.8	541.2	564.5	587.9	570.8	553.8	484.2	394.7	311.5
30°	474.0	491.9	524.1	556.2	597.8	639.3	650.4	661.4	582.8	475.3	369.8
32.5°	482.5	503.1	540.6	578.0	637.3	696.5	735.4	774.3	690.9	565.4	435.2
35°	495.3	519.2	559.4	599.7	674.7	749.8	813.5	877.2	800.9	663.8	509.7
37.5°	508.3	530.2	574.2	618.1	709.1	800.2	896.2	992.3	921.8	774.4	593.8
40°	557.0	571.3	610.0	648.7	755.0	861.4	987.6	1113.9	1054.4	892.0	681.0
42.5°	692.4	687.5	705.8	724.1	837.9	951.6	1106.7	1261.8	1195.5	1010.2	765.5
45°	944.3	907.0	900.2	893.4	1021.8	1150.2	1339.6	1529.1	1398.6	1152.9	858.4
47.5°	1361.1	1270.5	1224.9	1179.3	1343.2	1507.0	1713.1	1919.1	1701.3	1335.9	962.4
50°	1954.2	1781.0	1684.9	1588.8	1793.3	1997.8	2216.8	2435.9	2057.2	1526.6	1062.1
52.5°	2666.8	2412.6	2249.4	2086.1	2325.5	2564.7	2733.6	2902.6	2312.4	1632.3	1104.9
55°	3541.2	3206.1	3007.1	2808.1	3059.2	3310.4	3255.2	3200.0	2409.3	1633.0	1083.8
57.5°	4429.1	4015.1	3809.7	3604.3	3780.1	3956.0	3629.8	3303.5	2287.2	1482.1	976.2
60°	5019.9	4560.8	4282.1	4003.3	4017.0	4030.9	3563.9	3097.0	2034.8	1224.8	790.7
62.5°	4880.3	4451.5	4058.8	3666.2	3596.1	3526.2	3141.1	2756.1	1733.2	989.9	627.2
65°	4379.8	3992.5	3573.1	3153.9	3099.8	3045.7	2701.2	2356.7	1451.0	799.1	492.7
67.5°	3785.2	3498.1	3141.4	2784.7	2750.6	2716.6	2368.0	2019.3	1166.5	615.2	366.0
70°	3189.3	3021.4	2768.9	2516.4	2460.0	2403.7	2035.0	1666.3	903.4	461.2	271.6
72.5°	2554.6	2471.6	2296.3	2120.9	2068.9	2016.8	1643.4	1270.0	623.2	304.3	180.5
75°	1942.8	1909.4	1786.4	1663.4	1595.1	1526.7	1205.8	884.9	398.0	187.3	113.4
77.5°	1429.7	1413.8	1280.4	1147.1	1026.0	904.9	689.7	474.6	208.5	98.3	61.8
80°	949.8	942.0	781.8	621.6	479.2	336.9	238.3	139.7	63.3	33.9	24.7
82.5°	547.8	558.7	442.3	325.8	226.8	127.7	85.0	42.2	19.3	12.1	10.3
85°	255.1	276.7	223.5	170.4	110.1	49.8	29.6	9.3	4.7	3.7	3.4
87.5°	73.3	89.8	76.7	63.5	39.2	14.9	8.2	1.4	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



REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	160.4	160.1	159.8	159.6	159.4	158.9	158.6	158.8	159.0	158.7	158.4
5°	155.1	154.1	153.1	152.0	150.9	150.1	148.8	148.8	148.7	149.1	149.5
7.5°	148.4	147.1	145.7	144.7	143.8	143.2	143.1	142.1	141.2	141.2	141.2
10°	145.2	143.5	141.9	140.3	138.9	137.5	137.8	137.2	136.5	136.1	135.7
12.5°	144.0	141.3	138.6	136.9	135.3	134.2	133.5	132.7	131.9	131.4	130.9
15°	146.3	141.6	136.9	134.8	132.7	130.9	128.6	128.1	127.6	127.0	126.4
17.5°	151.1	143.1	135.2	132.3	129.4	127.4	126.1	124.8	123.5	122.4	121.3
20°	159.8	147.0	134.2	130.3	126.3	124.3	122.4	120.7	119.0	117.5	116.0
22.5°	176.8	155.9	135.0	128.8	122.7	120.0	116.8	115.2	113.8	112.0	110.2
25°	196.5	165.6	134.7	126.1	117.5	114.5	112.7	110.6	108.5	106.5	104.5
27.5°	228.3	182.4	136.5	124.8	112.9	109.3	107.4	105.4	103.4	101.3	99.3
30°	264.5	202.6	140.7	124.6	108.5	103.8	102.1	100.3	98.6	96.5	94.3
32.5°	305.1	225.2	145.4	125.3	105.2	100.2	97.1	95.1	93.1	91.2	89.3
35°	355.6	254.1	152.4	125.9	99.4	93.9	91.3	89.6	87.9	85.8	83.7
37.5°	413.3	286.3	159.3	126.5	93.7	87.6	85.9	84.6	83.3	81.0	78.8
40°	470.0	317.9	165.9	127.4	89.0	82.4	80.3	79.4	78.4	76.2	74.1
42.5°	520.9	346.3	171.7	129.1	86.4	76.1	75.1	73.9	72.7	70.7	68.6
45°	563.9	370.4	176.9	132.2	87.5	70.7	68.8	67.8	66.7	65.3	64.0
47.5°	588.8	385.1	181.3	137.0	92.7	67.1	61.7	61.0	60.4	60.0	59.6
50°	597.5	391.6	185.7	144.1	102.5	70.7	59.7	57.5	55.2	55.2	55.2
52.5°	577.4	380.8	184.2	148.6	112.9	82.7	63.0	56.5	50.0	49.8	49.7
55°	534.6	355.6	176.5	149.1	121.7	99.4	71.3	58.5	45.7	44.6	43.4
57.5°	470.3	320.4	170.5	144.3	118.2	106.0	77.9	60.7	43.4	40.1	36.8
60°	356.6	265.8	175.0	140.0	105.1	95.3	76.4	59.7	43.2	37.2	31.3
62.5°	264.5	211.7	158.9	124.7	90.5	75.6	68.2	56.1	44.1	35.8	27.5
65°	186.2	161.5	136.7	111.1	85.5	59.4	56.3	49.7	43.2	34.2	25.2
67.5°	116.7	105.7	94.7	83.5	72.4	49.6	43.9	39.2	34.4	28.3	22.2
70°	81.9	75.5	69.0	63.3	57.6	41.9	34.1	30.0	26.0	22.8	19.6
72.5°	56.9	52.3	47.7	44.7	41.7	34.5	26.4	22.8	19.2	17.2	15.2
75°	39.5	36.2	32.8	30.1	27.4	22.7	17.2	14.6	11.9	10.9	9.9
77.5°	25.2	22.6	20.0	17.7	15.4	14.2	10.7	9.2	7.7	7.3	7.0
80°	15.6	13.8	12.1	10.3	8.5	7.9	5.5	4.9	4.3	4.3	4.3
82.5°	8.5	7.4	6.5	5.2	3.9	3.3	2.3	2.0	1.6	1.6	1.6
85°	3.2	2.7	2.3	1.9	1.4	0.8	0.3	0.4	0.5	0.5	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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



REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	158.0	157.5	157.9	158.3	157.8	157.3	157.4	157.5	156.9	156.4	155.8
5°	149.6	149.6	150.3	150.9	151.1	151.3	151.5	151.7	151.8	152.0	152.1
7.5°	141.3	141.4	141.8	142.1	142.6	143.1	144.3	145.4	146.0	146.7	147.4
10°	135.4	135.2	136.3	137.5	137.8	138.1	139.6	140.9	141.7	142.4	143.0
12.5°	130.4	129.8	130.4	130.9	132.0	133.0	135.0	136.9	138.5	140.0	140.3
15°	125.9	125.3	125.8	126.3	126.8	127.4	129.3	131.4	133.1	134.7	135.6
17.5°	120.4	119.4	119.0	118.6	120.4	122.2	123.8	125.5	127.4	129.2	130.7
20°	114.8	113.7	113.4	113.1	113.9	114.6	116.8	119.0	121.2	123.4	124.1
22.5°	108.6	106.9	106.5	106.0	106.4	106.8	107.9	109.0	110.6	112.3	113.5
25°	102.8	101.1	99.7	98.3	98.4	98.5	99.1	99.7	100.3	100.9	101.6
27.5°	97.3	95.3	93.6	91.7	91.0	90.4	89.8	89.2	89.0	88.8	88.7
30°	92.0	89.6	87.6	85.7	83.8	81.7	80.5	79.2	77.8	76.4	75.4
32.5°	87.0	84.6	81.2	77.8	75.7	73.7	71.3	68.9	66.4	64.0	62.3
35°	81.1	78.4	75.3	72.0	68.5	65.1	61.6	58.1	54.8	51.5	49.6
37.5°	75.5	72.3	68.9	65.5	60.6	55.8	51.7	47.7	44.3	41.0	39.0
40°	70.3	66.6	61.9	57.2	52.0	46.7	42.3	37.9	34.7	31.5	29.9
42.5°	65.0	61.3	56.0	50.7	44.9	39.0	34.5	29.9	27.1	24.4	22.9
45°	59.8	55.8	49.5	43.3	37.8	32.3	28.4	24.4	21.8	19.2	18.0
47.5°	55.2	50.8	44.3	37.8	32.6	27.4	23.7	20.0	17.6	15.2	14.1
50°	50.7	46.3	39.7	33.1	28.4	23.6	20.3	17.0	14.7	12.5	11.4
52.5°	45.8	41.9	35.5	29.0	25.3	21.5	18.3	15.2	12.8	10.4	9.3
55°	39.9	36.4	31.1	25.7	22.3	18.9	16.1	13.3	10.7	8.2	7.1
57.5°	33.9	30.9	26.4	21.9	19.1	16.2	13.5	10.8	8.4	6.0	5.0
60°	28.7	26.0	22.2	18.3	15.6	12.7	10.4	8.1	6.0	3.8	2.8
62.5°	24.8	22.0	18.3	14.5	12.3	10.0	7.9	5.9	3.9	1.9	1.0
65°	21.9	18.5	15.3	12.1	9.6	7.1	5.3	3.4	2.1	0.7	0.3
67.5°	18.6	14.9	11.8	8.8	6.6	4.5	3.0	1.4	0.7	0.0	0.0
70°	15.6	11.6	8.3	4.9	3.3	1.6	1.0	0.3	0.1	0.0	0.0
72.5°	11.8	8.5	5.4	2.2	1.4	0.7	0.4	0.1	0.1	0.0	0.0
75°	7.9	5.9	3.8	1.6	1.0	0.4	0.2	0.0	0.0	0.0	0.0
77.5°	5.8	4.7	2.8	1.1	0.7	0.3	0.1	0.0	0.0	0.0	0.0
80°	3.5	2.7	1.6	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.3	0.1	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



REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	155.1	155.0	155.1	155.8	156.4	156.9	157.5	157.4	157.3	157.8	158.3
5°	152.2	152.3	152.2	152.1	152.0	151.8	151.7	151.5	151.3	151.1	150.9
7.5°	148.2	149.5	148.2	147.4	146.7	146.0	145.4	144.3	143.1	142.6	142.1
10°	143.6	144.6	143.6	143.0	142.4	141.7	140.9	139.6	138.1	137.8	137.5
12.5°	140.7	140.8	140.7	140.3	140.0	138.5	136.9	135.0	133.0	132.0	130.9
15°	136.4	136.9	136.4	135.6	134.7	133.1	131.4	129.3	127.4	126.8	126.3
17.5°	132.3	133.1	132.3	130.7	129.2	127.4	125.5	123.8	122.2	120.4	118.6
20°	124.8	124.3	124.8	124.1	123.4	121.2	119.0	116.8	114.6	113.9	113.1
22.5°	114.8	116.1	114.8	113.5	112.3	110.6	109.0	107.9	106.8	106.4	106.0
25°	102.3	103.0	102.3	101.6	100.9	100.3	99.7	99.1	98.5	98.4	98.3
27.5°	88.6	88.2	88.6	88.7	88.8	89.0	89.2	89.8	90.4	91.0	91.7
30°	74.4	73.9	74.4	75.4	76.4	77.8	79.2	80.5	81.7	83.8	85.7
32.5°	60.7	59.7	60.7	62.3	64.0	66.4	68.9	71.3	73.7	75.7	77.8
35°	47.8	47.1	47.8	49.6	51.5	54.8	58.1	61.6	65.1	68.5	72.0
37.5°	37.1	36.2	37.1	39.0	41.0	44.3	47.7	51.7	55.8	60.6	65.5
40°	28.2	27.4	28.2	29.9	31.5	34.7	37.9	42.3	46.7	52.0	57.2
42.5°	21.4	20.3	21.4	22.9	24.4	27.1	29.9	34.5	39.0	44.9	50.7
45°	16.9	16.4	16.9	18.0	19.2	21.8	24.4	28.4	32.3	37.8	43.3
47.5°	13.0	12.6	13.0	14.1	15.2	17.6	20.0	23.7	27.4	32.6	37.8
50°	10.3	9.9	10.3	11.4	12.5	14.7	17.0	20.3	23.6	28.4	33.1
52.5°	8.2	7.7	8.2	9.3	10.4	12.8	15.2	18.3	21.5	25.3	29.0
55°	5.9	5.5	5.9	7.1	8.2	10.7	13.3	16.1	18.9	22.3	25.7
57.5°	4.1	3.8	4.1	5.0	6.0	8.4	10.8	13.5	16.2	19.1	21.9
60°	1.9	1.6	1.9	2.8	3.8	6.0	8.1	10.4	12.7	15.6	18.3
62.5°	0.1	0.0	0.1	1.0	1.9	3.9	5.9	7.9	10.0	12.3	14.5
65°	0.0	0.0	0.0	0.3	0.7	2.1	3.4	5.3	7.1	9.6	12.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.4	3.0	4.5	6.6	8.8
70°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	1.6	3.3	4.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.7	1.4	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.0	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.7	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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



REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	157.9	157.5	158.0	158.4	158.7	159.0	158.8	158.6	158.9	159.4	159.6
5°	150.3	149.6	149.6	149.5	149.1	148.7	148.8	148.8	150.1	150.9	152.0
7.5°	141.8	141.4	141.3	141.2	141.2	141.2	142.1	143.1	143.2	143.8	144.7
10°	136.3	135.2	135.4	135.7	136.1	136.5	137.2	137.8	137.5	138.9	140.3
12.5°	130.4	129.8	130.4	130.9	131.4	131.9	132.7	133.5	134.2	135.3	136.9
15°	125.8	125.3	125.9	126.4	127.0	127.6	128.1	128.6	130.9	132.7	134.8
17.5°	119.0	119.4	120.4	121.3	122.4	123.5	124.8	126.1	127.4	129.4	132.3
20°	113.4	113.7	114.8	116.0	117.5	119.0	120.7	122.4	124.3	126.3	130.3
22.5°	106.5	106.9	108.6	110.2	112.0	113.8	115.2	116.8	120.0	122.7	128.8
25°	99.7	101.1	102.8	104.5	106.5	108.5	110.6	112.7	114.5	117.5	126.1
27.5°	93.6	95.3	97.3	99.3	101.3	103.4	105.4	107.4	109.3	112.9	124.8
30°	87.6	89.6	92.0	94.3	96.5	98.6	100.3	102.1	103.8	108.5	124.6
32.5°	81.2	84.6	87.0	89.3	91.2	93.1	95.1	97.1	100.2	105.2	125.3
35°	75.3	78.4	81.1	83.7	85.8	87.9	89.6	91.3	93.9	99.4	125.9
37.5°	68.9	72.3	75.5	78.8	81.0	83.3	84.6	85.9	87.6	93.7	126.5
40°	61.9	66.6	70.3	74.1	76.2	78.4	79.4	80.3	82.4	89.0	127.4
42.5°	56.0	61.3	65.0	68.6	70.7	72.7	73.9	75.1	76.1	86.4	129.1
45°	49.5	55.8	59.8	64.0	65.3	66.7	67.8	68.8	70.7	87.5	132.2
47.5°	44.3	50.8	55.2	59.6	60.0	60.4	61.0	61.7	67.1	92.7	137.0
50°	39.7	46.3	50.7	55.2	55.2	55.2	57.5	59.7	70.7	102.5	144.1
52.5°	35.5	41.9	45.8	49.7	49.8	50.0	56.5	63.0	82.7	112.9	148.6
55°	31.1	36.4	39.9	43.4	44.6	45.7	58.5	71.3	99.4	121.7	149.1
57.5°	26.4	30.9	33.9	36.8	40.1	43.4	60.7	77.9	106.0	118.2	144.3
60°	22.2	26.0	28.7	31.3	37.2	43.2	59.7	76.4	95.3	105.1	140.0
62.5°	18.3	22.0	24.8	27.5	35.8	44.1	56.1	68.2	75.6	90.5	124.7
65°	15.3	18.5	21.9	25.2	34.2	43.2	49.7	56.3	59.4	85.5	111.1
67.5°	11.8	14.9	18.6	22.2	28.3	34.4	39.2	43.9	49.6	72.4	83.5
70°	8.3	11.6	15.6	19.6	22.8	26.0	30.0	34.1	41.9	57.6	63.3
72.5°	5.4	8.5	11.8	15.2	17.2	19.2	22.8	26.4	34.5	41.7	44.7
75°	3.8	5.9	7.9	9.9	10.9	11.9	14.6	17.2	22.7	27.4	30.1
77.5°	2.8	4.7	5.8	7.0	7.3	7.7	9.2	10.7	14.2	15.4	17.7
80°	1.6	2.7	3.5	4.3	4.3	4.3	4.9	5.5	7.9	8.5	10.3
82.5°	0.5	1.1	1.4	1.6	1.6	1.6	2.0	2.3	3.3	3.9	5.2
85°	0.1	0.1	0.3	0.4	0.5	0.5	0.4	0.3	0.8	1.4	1.9
87.5°	0.0	0.0	0.1	0.1	0.1	0.1	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



REPORT NUMBER: P1208020

CATALOG NUMBER: UPW-SA1-040-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	160.5	160.5	160.5	160.5	160.5	160.5	160.5
2.5°	159.8	160.1	160.4	161.0	161.7	162.1	161.6
5°	153.1	154.1	155.1	156.2	157.3	159.0	161.0
7.5°	145.7	147.1	148.4	150.1	151.7	153.7	155.8
10°	141.9	143.5	145.2	147.8	150.4	153.8	156.4
12.5°	138.6	141.3	144.0	149.1	154.4	161.4	167.9
15°	136.9	141.6	146.3	156.0	165.7	178.5	191.7
17.5°	135.2	143.1	151.1	168.8	186.5	210.9	239.9
20°	134.2	147.0	159.8	188.9	218.0	257.8	302.1
22.5°	135.0	155.9	176.8	221.2	265.6	321.5	375.2
25°	134.7	165.6	196.5	259.4	322.2	397.9	463.7
27.5°	136.5	182.4	228.3	311.5	394.7	484.2	553.8
30°	140.7	202.6	264.5	369.8	475.3	582.8	661.4
32.5°	145.4	225.2	305.1	435.2	565.4	690.9	774.3
35°	152.4	254.1	355.6	509.7	663.8	800.9	877.2
37.5°	159.3	286.3	413.3	593.8	774.4	921.8	992.3
40°	165.9	317.9	470.0	681.0	892.0	1054.4	1113.9
42.5°	171.7	346.3	520.9	765.5	1010.2	1195.5	1261.8
45°	176.9	370.4	563.9	858.4	1152.9	1398.6	1529.1
47.5°	181.3	385.1	588.8	962.4	1335.9	1701.3	1919.1
50°	185.7	391.6	597.5	1062.1	1526.6	2057.2	2435.9
52.5°	184.2	380.8	577.4	1104.9	1632.3	2312.4	2902.6
55°	176.5	355.6	534.6	1083.8	1633.0	2409.3	3200.0
57.5°	170.5	320.4	470.3	976.2	1482.1	2287.2	3303.5
60°	175.0	265.8	356.6	790.7	1224.8	2034.8	3097.0
62.5°	158.9	211.7	264.5	627.2	989.9	1733.2	2756.1
65°	136.7	161.5	186.2	492.7	799.1	1451.0	2356.7
67.5°	94.7	105.7	116.7	366.0	615.2	1166.5	2019.3
70°	69.0	75.5	81.9	271.6	461.2	903.4	1666.3
72.5°	47.7	52.3	56.9	180.5	304.3	623.2	1270.0
75°	32.8	36.2	39.5	113.4	187.3	398.0	884.9
77.5°	20.0	22.6	25.2	61.8	98.3	208.5	474.6
80°	12.1	13.8	15.6	24.7	33.9	63.3	139.7
82.5°	6.5	7.4	8.5	10.3	12.1	19.3	42.2
85°	2.3	2.7	3.2	3.4	3.7	4.7	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)