

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: P1207942

Luminaire Tested: UPW-SA1-030-827-U-SLR

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-SLR
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3513 lumens
Efficiency: N/A
Efficacy: 103.3 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): 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

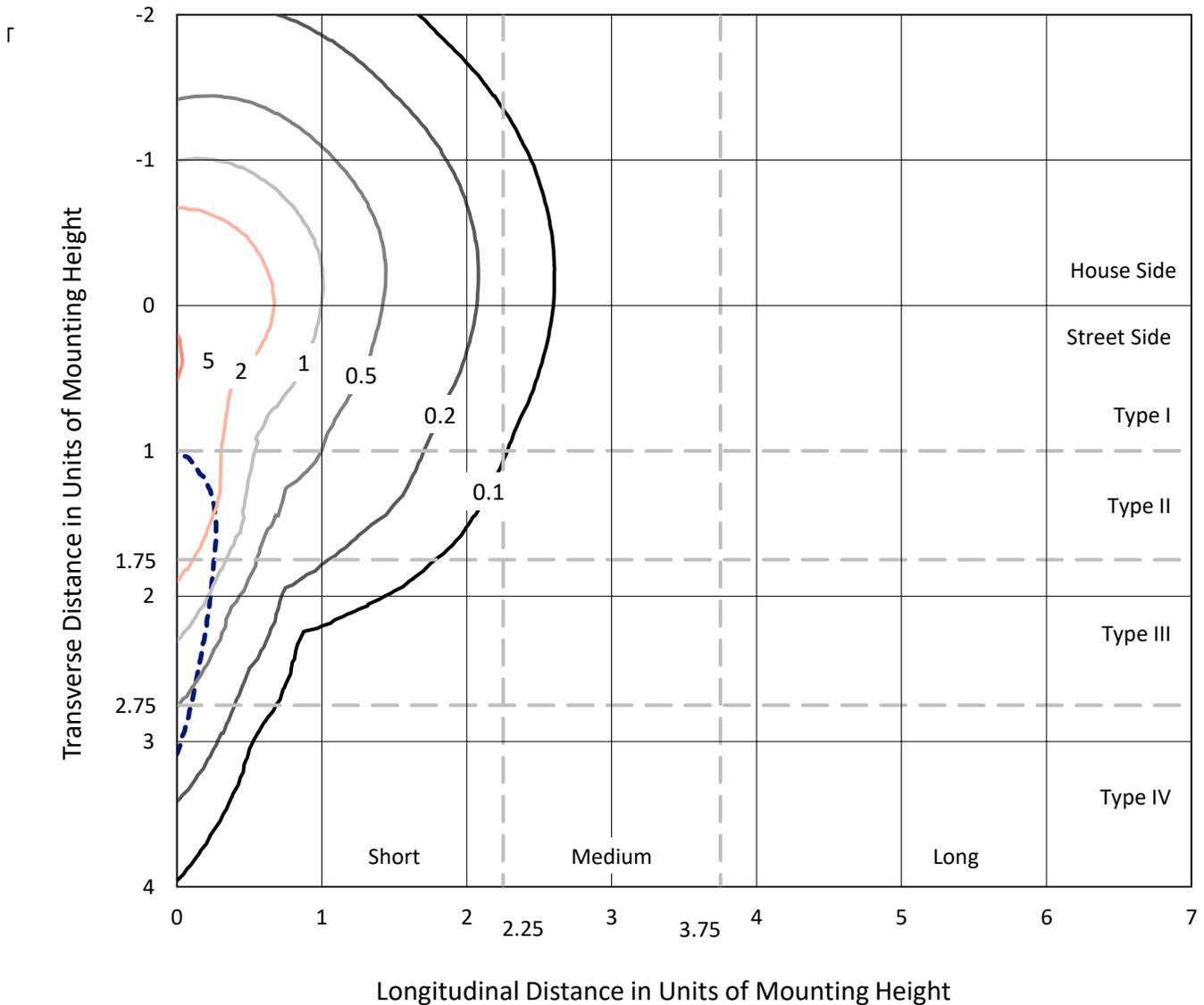


REPORT NUMBER: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

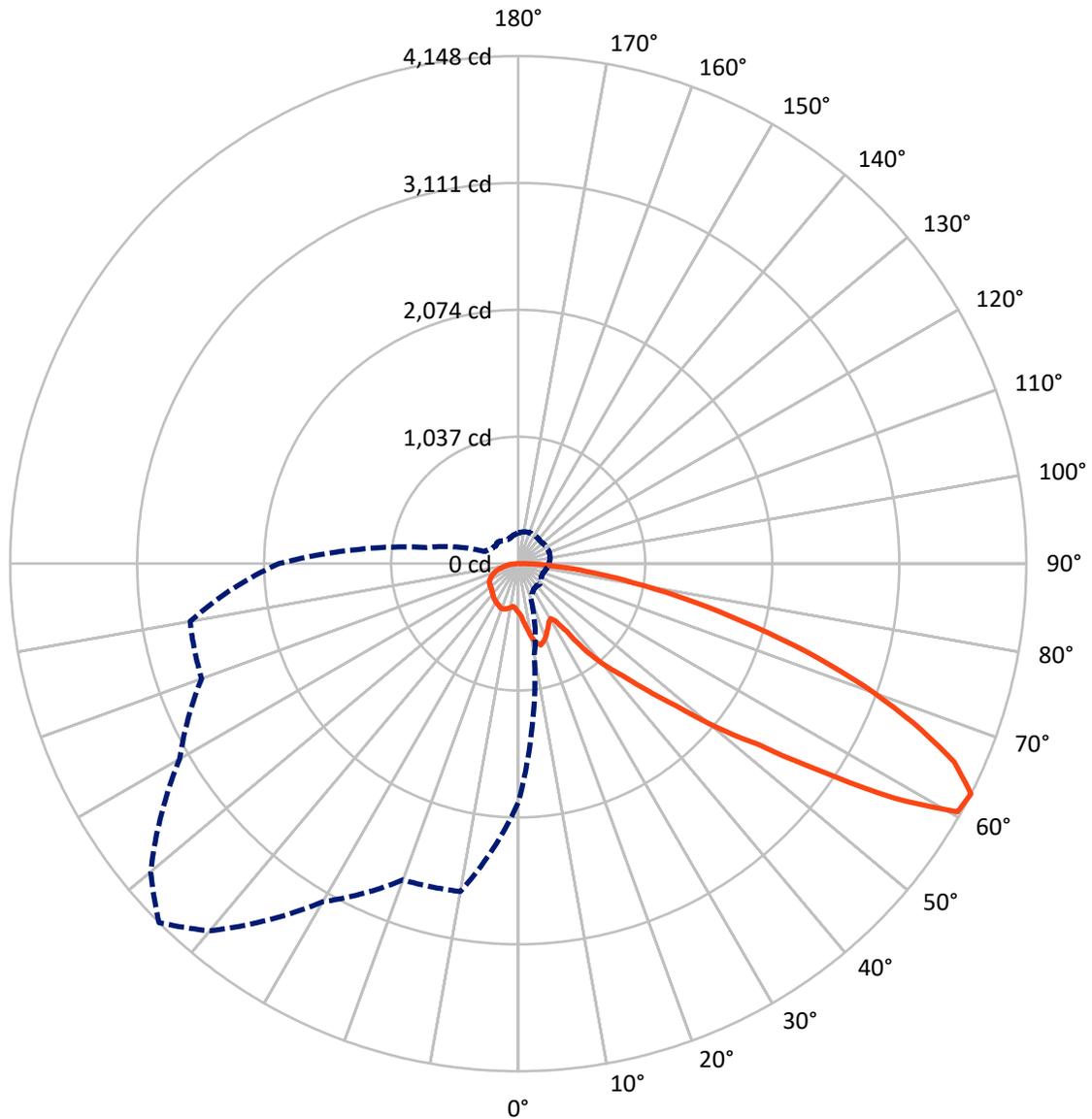


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	860.9	0.0	860.9
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	2652.1	0.0	2652.1
	% Fixture	75.5	0.0	75.5
Total	Lumens	3513.0	0.0	3513.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.1
10°-20°	134.8	3.8
20°-30°	219.2	6.2
30°-40°	299.0	8.5
40°-50°	452.7	12.9
50°-60°	778.5	22.2
60°-70°	912.9	26.0
70°-80°	544.5	15.5
80°-90°	131.5	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°	3513.0	100.0
0°-180°	3513.0	100.0



REPORT NUMBER: P1207942

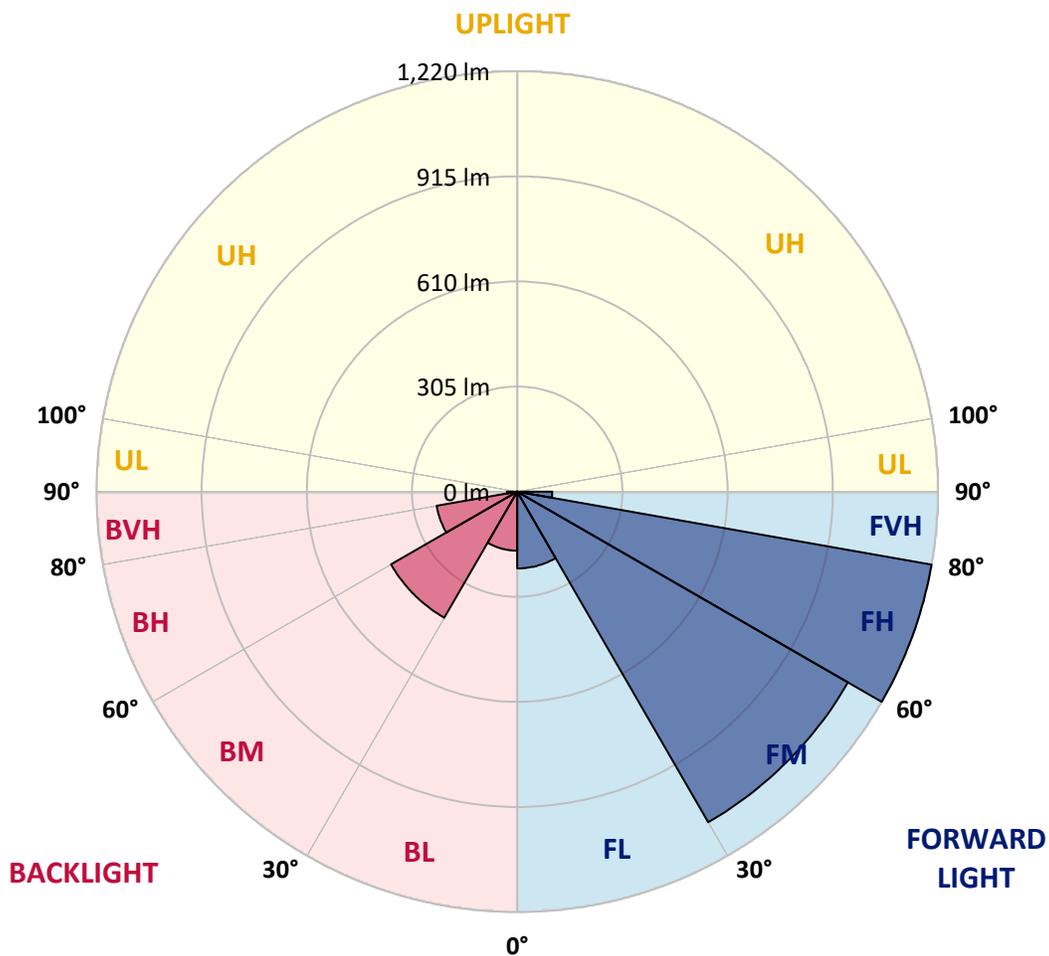
CATALOG NUMBER: UPW-SA1-030-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.7	6.3			
FM	(30°-60°)	1107.6	31.5			
FH	(60°-80°)	1220.2	34.7			G1/1800
FVH	(80°-90°)	101.6	2.9			G2/225
BL	(0°-30°)	171.3	4.9	B1/500		
BM	(30°-60°)	422.5	12.0	B1/1000		
BH	(60°-80°)	237.2	6.8	B1/500		G1/500
BVH	(80°-90°)	29.9	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





REPORT NUMBER: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	416.9	415.8	415.4	414.0	412.5	409.9	407.3	405.5	403.6	401.4	398.0
5°	446.0	442.7	438.2	431.8	425.4	419.3	413.3	408.3	403.2	398.7	394.5
7.5°	485.4	470.7	458.2	448.0	437.7	428.0	418.3	410.8	403.4	396.3	389.4
10°	514.1	501.9	487.4	470.0	452.6	439.0	425.5	417.2	408.9	402.4	391.4
12.5°	548.8	530.0	509.6	488.5	467.5	450.4	433.3	421.3	409.3	400.2	395.7
15°	583.2	560.3	534.5	506.8	479.0	457.4	435.7	421.9	408.1	398.7	396.0
17.5°	621.1	587.6	554.5	521.7	488.9	460.7	432.4	416.2	400.1	390.8	395.1
20°	648.0	614.2	578.4	538.6	498.7	463.2	427.6	408.1	388.5	379.4	381.4
22.5°	667.8	632.5	594.0	547.9	501.7	459.6	417.5	395.4	373.3	364.3	372.1
25°	694.7	652.4	607.4	553.7	500.1	452.1	404.2	381.6	359.0	351.6	359.4
27.5°	712.0	673.9	630.5	570.1	509.7	454.0	398.3	373.3	348.2	340.2	347.8
30°	737.1	697.9	651.7	584.0	516.3	455.1	393.8	367.5	341.2	332.5	335.0
32.5°	762.4	720.2	669.8	593.0	516.2	449.8	383.5	358.8	334.1	326.2	328.7
35°	783.2	741.8	688.6	601.3	514.0	442.4	370.8	348.2	325.5	319.6	318.8
37.5°	819.7	770.2	707.1	607.7	508.4	431.4	354.3	332.7	311.1	306.8	305.2
40°	870.6	816.1	740.1	622.3	504.6	420.7	336.8	316.0	295.1	293.7	292.5
42.5°	941.4	866.3	770.7	636.2	501.7	411.8	321.9	301.9	282.0	279.1	276.0
45°	1062.9	947.6	813.3	655.3	497.3	404.7	312.1	292.0	271.9	263.6	263.5
47.5°	1266.3	1083.6	881.7	685.7	489.6	397.3	305.0	286.8	268.6	255.6	250.7
50°	1535.2	1278.3	991.2	739.3	487.5	394.6	301.8	285.1	268.5	249.3	240.1
52.5°	1782.6	1448.1	1079.8	780.5	481.1	387.8	294.5	281.6	268.7	249.7	237.2
55°	1997.1	1562.1	1116.1	791.2	466.4	373.8	281.3	276.5	271.8	260.5	238.7
57.5°	2151.8	1578.7	1049.3	740.9	432.4	352.9	273.3	270.3	267.4	267.6	242.9
60°	2125.3	1480.5	902.6	631.2	359.7	313.7	267.7	258.7	249.7	258.3	243.8
62.5°	1952.6	1318.1	758.2	524.5	290.9	269.1	247.3	240.1	232.9	243.0	237.8
65°	1737.8	1137.7	622.3	426.7	231.2	226.8	222.5	221.0	219.4	222.0	225.0
67.5°	1490.9	948.0	496.3	335.7	175.2	179.1	182.9	190.6	198.2	199.2	206.1
70°	1278.5	776.8	381.7	260.8	140.0	145.3	150.6	161.8	173.1	178.6	184.8
72.5°	1025.1	599.4	279.5	196.8	114.0	118.6	123.3	136.0	148.8	160.8	167.4
75°	754.2	431.4	197.1	145.5	93.9	97.3	100.7	112.5	124.4	139.6	146.5
77.5°	522.9	297.1	137.5	107.2	76.9	78.5	80.2	90.9	101.7	119.5	126.7
80°	288.4	171.0	88.7	74.0	59.3	60.4	61.6	70.5	79.5	95.4	103.8
82.5°	142.7	91.2	55.8	49.8	43.8	44.4	45.1	51.9	58.7	70.1	79.1
85°	56.1	41.2	31.3	29.7	28.1	28.4	28.7	33.0	37.3	44.4	53.5
87.5°	20.2	15.7	13.0	12.5	11.9	11.5	11.1	13.3	15.4	19.2	30.3
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: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	396.3	394.6	392.9	391.2	389.6	388.1	386.9	385.7	383.4	381.1	379.8
5°	389.8	385.1	381.0	376.9	374.3	371.8	369.0	366.3	364.2	362.0	360.4
7.5°	383.8	378.3	373.7	369.2	365.5	361.9	359.3	356.7	356.2	355.7	354.6
10°	385.6	379.7	375.3	370.9	367.5	364.2	362.4	360.6	360.0	359.4	359.4
12.5°	392.9	390.2	387.1	383.9	380.5	377.2	377.3	377.5	374.6	371.8	371.0
15°	396.9	397.9	398.9	400.0	399.1	398.2	394.9	391.6	388.2	384.8	383.7
17.5°	398.2	401.3	406.0	410.7	412.7	414.7	410.8	406.9	401.5	396.0	393.5
20°	388.7	395.9	404.8	413.7	417.0	420.3	416.5	412.8	406.7	400.6	396.6
22.5°	381.0	389.9	399.2	408.5	411.4	414.3	412.2	410.1	403.5	396.9	392.6
25°	368.2	377.0	385.9	394.9	398.9	403.0	402.5	402.0	395.2	388.4	383.6
27.5°	355.1	362.6	370.4	378.3	382.8	387.4	388.0	388.7	383.6	378.5	374.0
30°	340.1	345.2	352.1	358.9	363.6	368.3	370.0	371.6	368.3	365.1	362.0
32.5°	330.8	332.9	337.8	342.7	347.2	351.7	354.2	356.7	356.1	355.6	354.4
35°	318.7	318.6	320.8	323.0	327.1	331.2	336.0	340.8	341.4	342.0	342.5
37.5°	303.8	302.4	303.8	305.2	308.8	312.3	317.3	322.3	325.9	329.5	331.1
40°	290.5	288.6	288.7	288.9	292.0	295.2	299.9	304.7	311.3	317.9	321.6
42.5°	275.0	274.1	273.6	273.0	275.8	278.4	285.6	292.7	300.1	307.5	310.7
45°	261.4	259.3	260.1	260.8	264.2	267.6	273.7	279.9	288.4	296.9	300.9
47.5°	249.6	248.5	249.7	250.9	254.3	257.7	265.3	272.9	281.1	289.4	293.7
50°	239.4	238.8	242.2	245.4	249.4	253.3	259.9	266.4	275.2	284.0	289.9
52.5°	235.5	233.8	238.7	243.6	246.6	249.6	255.7	261.9	271.5	281.2	286.9
55°	233.1	227.5	233.5	239.5	243.1	246.7	253.5	260.3	268.9	277.5	283.0
57.5°	232.3	221.6	227.5	233.4	239.7	246.0	252.8	259.7	268.5	277.2	282.0
60°	231.4	219.0	222.4	225.8	234.8	243.8	250.3	256.8	264.9	273.0	276.3
62.5°	227.3	216.8	216.4	216.0	225.7	235.2	242.7	250.1	257.5	264.9	267.2
65°	218.1	211.2	208.2	205.1	213.6	222.1	230.0	237.9	244.0	250.2	253.0
67.5°	202.3	198.6	196.2	193.9	202.1	210.4	216.5	222.6	228.7	234.8	237.1
70°	185.3	185.8	184.0	182.2	188.4	194.4	202.2	210.0	213.4	216.8	218.1
72.5°	167.4	167.4	166.6	165.8	171.8	177.8	182.9	188.1	191.2	194.4	195.9
75°	147.1	147.8	147.3	146.8	151.9	157.0	161.7	166.5	169.9	173.3	174.2
77.5°	128.3	129.9	129.3	128.7	131.8	135.0	137.0	139.0	142.9	146.8	147.6
80°	106.1	108.4	108.3	108.0	109.5	111.0	111.5	112.1	115.0	117.9	118.6
82.5°	82.7	86.4	89.0	91.7	92.7	93.6	89.3	85.0	87.3	89.6	91.4
85°	60.2	66.9	71.8	76.8	73.8	71.0	59.8	48.7	53.1	57.5	60.5
87.5°	37.2	44.0	46.6	49.1	45.2	41.3	33.1	24.9	28.5	32.1	35.0
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: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	378.5	378.1	377.7	378.6	379.6	380.8	379.6	378.6	377.7	378.1	378.5
5°	358.7	358.0	357.3	357.6	357.7	357.7	357.7	357.6	357.3	358.0	358.7
7.5°	353.5	353.4	353.3	353.6	353.9	352.5	353.9	353.6	353.3	353.4	353.5
10°	359.3	360.4	361.5	362.4	363.3	362.8	363.3	362.4	361.5	360.4	359.3
12.5°	370.3	371.7	373.0	373.6	374.1	373.0	374.1	373.6	373.0	371.7	370.3
15°	382.6	382.5	382.4	381.9	381.4	380.8	381.4	381.9	382.4	382.5	382.6
17.5°	390.9	389.8	388.7	388.1	387.6	388.3	387.6	388.1	388.7	389.8	390.9
20°	392.6	392.0	391.4	391.4	391.3	391.0	391.3	391.4	391.4	392.0	392.6
22.5°	388.2	386.3	384.5	385.3	386.1	388.7	386.1	385.3	384.5	386.3	388.2
25°	378.8	377.9	377.0	376.7	376.5	375.3	376.5	376.7	377.0	377.9	378.8
27.5°	369.5	368.7	367.9	369.0	369.9	370.6	369.9	369.0	367.9	368.7	369.5
30°	359.0	359.2	359.3	360.8	362.4	365.1	362.4	360.8	359.3	359.2	359.0
32.5°	353.3	351.7	350.1	350.6	351.2	353.3	351.2	350.6	350.1	351.7	353.3
35°	342.9	342.9	342.9	344.2	345.5	348.2	345.5	344.2	342.9	342.9	342.9
37.5°	332.7	334.0	335.3	335.8	336.4	336.5	336.4	335.8	335.3	334.0	332.7
40°	325.3	325.4	325.5	324.8	324.0	324.3	324.0	324.8	325.5	325.4	325.3
42.5°	314.0	315.4	316.8	317.2	317.5	318.4	317.5	317.2	316.8	315.4	314.0
45°	305.0	305.7	306.4	306.2	306.0	305.0	306.0	306.2	306.4	305.7	305.0
47.5°	298.0	298.6	299.2	299.7	300.3	301.1	300.3	299.7	299.2	298.6	298.0
50°	295.8	295.6	295.4	293.9	292.3	291.7	292.3	293.9	295.4	295.6	295.8
52.5°	292.6	293.1	293.6	292.7	291.8	292.1	291.8	292.7	293.6	293.1	292.6
55°	288.5	289.0	289.7	287.9	286.2	285.0	286.2	287.9	289.7	289.0	288.5
57.5°	286.7	285.6	284.5	283.2	281.9	282.3	281.9	283.2	284.5	285.6	286.7
60°	279.5	278.3	277.0	274.1	271.2	268.9	271.2	274.1	277.0	278.3	279.5
62.5°	269.5	268.3	267.0	263.8	260.5	256.4	260.5	263.8	267.0	268.3	269.5
65°	255.8	253.8	251.7	248.5	245.2	243.0	245.2	248.5	251.7	253.8	255.8
67.5°	239.4	237.2	235.0	230.6	226.3	223.0	226.3	230.6	235.0	237.2	239.4
70°	219.4	217.3	215.1	212.4	209.6	207.3	209.6	212.4	215.1	217.3	219.4
72.5°	197.4	195.0	192.7	189.0	185.3	182.9	185.3	189.0	192.7	195.0	197.4
75°	175.1	172.2	169.2	165.4	161.6	158.2	161.6	165.4	169.2	172.2	175.1
77.5°	148.3	146.1	143.9	140.3	136.7	133.5	136.7	140.3	143.9	146.1	148.3
80°	119.4	118.4	117.3	114.3	111.4	107.2	111.4	114.3	117.3	118.4	119.4
82.5°	93.1	92.7	92.2	89.7	87.2	83.6	87.2	89.7	92.2	92.7	93.1
85°	63.4	63.9	64.4	62.7	60.9	58.1	60.9	62.7	64.4	63.9	63.4
87.5°	38.0	36.1	34.2	30.2	26.3	22.0	26.3	30.2	34.2	36.1	38.0
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: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	379.8	381.1	383.4	385.7	386.9	388.1	389.6	391.2	392.9	394.6	396.3
5°	360.4	362.0	364.2	366.3	369.0	371.8	374.3	376.9	381.0	385.1	389.8
7.5°	354.6	355.7	356.2	356.7	359.3	361.9	365.5	369.2	373.7	378.3	383.8
10°	359.4	359.4	360.0	360.6	362.4	364.2	367.5	370.9	375.3	379.7	385.6
12.5°	371.0	371.8	374.6	377.5	377.3	377.2	380.5	383.9	387.1	390.2	392.9
15°	383.7	384.8	388.2	391.6	394.9	398.2	399.1	400.0	398.9	397.9	396.9
17.5°	393.5	396.0	401.5	406.9	410.8	414.7	412.7	410.7	406.0	401.3	398.2
20°	396.6	400.6	406.7	412.8	416.5	420.3	417.0	413.7	404.8	395.9	388.7
22.5°	392.6	396.9	403.5	410.1	412.2	414.3	411.4	408.5	399.2	389.9	381.0
25°	383.6	388.4	395.2	402.0	402.5	403.0	398.9	394.9	385.9	377.0	368.2
27.5°	374.0	378.5	383.6	388.7	388.0	387.4	382.8	378.3	370.4	362.6	355.1
30°	362.0	365.1	368.3	371.6	370.0	368.3	363.6	358.9	352.1	345.2	340.1
32.5°	354.4	355.6	356.1	356.7	354.2	351.7	347.2	342.7	337.8	332.9	330.8
35°	342.5	342.0	341.4	340.8	336.0	331.2	327.1	323.0	320.8	318.6	318.7
37.5°	331.1	329.5	325.9	322.3	317.3	312.3	308.8	305.2	303.8	302.4	303.8
40°	321.6	317.9	311.3	304.7	299.9	295.2	292.0	288.9	288.7	288.6	290.5
42.5°	310.7	307.5	300.1	292.7	285.6	278.4	275.8	273.0	273.6	274.1	275.0
45°	300.9	296.9	288.4	279.9	273.7	267.6	264.2	260.8	260.1	259.3	261.4
47.5°	293.7	289.4	281.1	272.9	265.3	257.7	254.3	250.9	249.7	248.5	249.6
50°	289.9	284.0	275.2	266.4	259.9	253.3	249.4	245.4	242.2	238.8	239.4
52.5°	286.9	281.2	271.5	261.9	255.7	249.6	246.6	243.6	238.7	233.8	235.5
55°	283.0	277.5	268.9	260.3	253.5	246.7	243.1	239.5	233.5	227.5	233.1
57.5°	282.0	277.2	268.5	259.7	252.8	246.0	239.7	233.4	227.5	221.6	232.3
60°	276.3	273.0	264.9	256.8	250.3	243.8	234.8	225.8	222.4	219.0	231.4
62.5°	267.2	264.9	257.5	250.1	242.7	235.2	225.7	216.0	216.4	216.8	227.3
65°	253.0	250.2	244.0	237.9	230.0	222.1	213.6	205.1	208.2	211.2	218.1
67.5°	237.1	234.8	228.7	222.6	216.5	210.4	202.1	193.9	196.2	198.6	202.3
70°	218.1	216.8	213.4	210.0	202.2	194.4	188.4	182.2	184.0	185.8	185.3
72.5°	195.9	194.4	191.2	188.1	182.9	177.8	171.8	165.8	166.6	167.4	167.4
75°	174.2	173.3	169.9	166.5	161.7	157.0	151.9	146.8	147.3	147.8	147.1
77.5°	147.6	146.8	142.9	139.0	137.0	135.0	131.8	128.7	129.3	129.9	128.3
80°	118.6	117.9	115.0	112.1	111.5	111.0	109.5	108.0	108.3	108.4	106.1
82.5°	91.4	89.6	87.3	85.0	89.3	93.6	92.7	91.7	89.0	86.4	82.7
85°	60.5	57.5	53.1	48.7	59.8	71.0	73.8	76.8	71.8	66.9	60.2
87.5°	35.0	32.1	28.5	24.9	33.1	41.3	45.2	49.1	46.6	44.0	37.2
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: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	398.0	401.4	403.6	405.5	407.3	409.9	412.5	414.0	415.4	415.8	416.9
5°	394.5	398.7	403.2	408.3	413.3	419.3	425.4	431.8	438.2	442.7	446.0
7.5°	389.4	396.3	403.4	410.8	418.3	428.0	437.7	448.0	458.2	470.7	485.4
10°	391.4	402.4	408.9	417.2	425.5	439.0	452.6	470.0	487.4	501.9	514.1
12.5°	395.7	400.2	409.3	421.3	433.3	450.4	467.5	488.5	509.6	530.0	548.8
15°	396.0	398.7	408.1	421.9	435.7	457.4	479.0	506.8	534.5	560.3	583.2
17.5°	395.1	390.8	400.1	416.2	432.4	460.7	488.9	521.7	554.5	587.6	621.1
20°	381.4	379.4	388.5	408.1	427.6	463.2	498.7	538.6	578.4	614.2	648.0
22.5°	372.1	364.3	373.3	395.4	417.5	459.6	501.7	547.9	594.0	632.5	667.8
25°	359.4	351.6	359.0	381.6	404.2	452.1	500.1	553.7	607.4	652.4	694.7
27.5°	347.8	340.2	348.2	373.3	398.3	454.0	509.7	570.1	630.5	673.9	712.0
30°	335.0	332.5	341.2	367.5	393.8	455.1	516.3	584.0	651.7	697.9	737.1
32.5°	328.7	326.2	334.1	358.8	383.5	449.8	516.2	593.0	669.8	720.2	762.4
35°	318.8	319.6	325.5	348.2	370.8	442.4	514.0	601.3	688.6	741.8	783.2
37.5°	305.2	306.8	311.1	332.7	354.3	431.4	508.4	607.7	707.1	770.2	819.7
40°	292.5	293.7	295.1	316.0	336.8	420.7	504.6	622.3	740.1	816.1	870.6
42.5°	276.0	279.1	282.0	301.9	321.9	411.8	501.7	636.2	770.7	866.3	941.4
45°	263.5	263.6	271.9	292.0	312.1	404.7	497.3	655.3	813.3	947.6	1062.9
47.5°	250.7	255.6	268.6	286.8	305.0	397.3	489.6	685.7	881.7	1083.6	1266.3
50°	240.1	249.3	268.5	285.1	301.8	394.6	487.5	739.3	991.2	1278.3	1535.2
52.5°	237.2	249.7	268.7	281.6	294.5	387.8	481.1	780.5	1079.8	1448.1	1782.6
55°	238.7	260.5	271.8	276.5	281.3	373.8	466.4	791.2	1116.1	1562.1	1997.1
57.5°	242.9	267.6	267.4	270.3	273.3	352.9	432.4	740.9	1049.3	1578.7	2151.8
60°	243.8	258.3	249.7	258.7	267.7	313.7	359.7	631.2	902.6	1480.5	2125.3
62.5°	237.8	243.0	232.9	240.1	247.3	269.1	290.9	524.5	758.2	1318.1	1952.6
65°	225.0	222.0	219.4	221.0	222.5	226.8	231.2	426.7	622.3	1137.7	1737.8
67.5°	206.1	199.2	198.2	190.6	182.9	179.1	175.2	335.7	496.3	948.0	1490.9
70°	184.8	178.6	173.1	161.8	150.6	145.3	140.0	260.8	381.7	776.8	1278.5
72.5°	167.4	160.8	148.8	136.0	123.3	118.6	114.0	196.8	279.5	599.4	1025.1
75°	146.5	139.6	124.4	112.5	100.7	97.3	93.9	145.5	197.1	431.4	754.2
77.5°	126.7	119.5	101.7	90.9	80.2	78.5	76.9	107.2	137.5	297.1	522.9
80°	103.8	95.4	79.5	70.5	61.6	60.4	59.3	74.0	88.7	171.0	288.4
82.5°	79.1	70.1	58.7	51.9	45.1	44.4	43.8	49.8	55.8	91.2	142.7
85°	53.5	44.4	37.3	33.0	28.7	28.4	28.1	29.7	31.3	41.2	56.1
87.5°	30.3	19.2	15.4	13.3	11.1	11.5	11.9	12.5	13.0	15.7	20.2
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: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	418.7	420.5	421.2	422.0	422.7	423.4	424.0	424.5	423.2	424.5	424.0
5°	451.5	457.0	461.7	466.5	470.1	473.7	475.4	477.2	480.1	477.2	475.4
7.5°	492.9	500.5	510.8	521.2	528.2	535.2	538.2	541.3	542.2	541.3	538.2
10°	533.3	552.6	564.0	575.5	583.8	592.2	599.4	606.6	614.8	606.6	599.4
12.5°	570.7	592.6	609.1	625.6	636.2	646.8	653.9	661.0	663.5	661.0	653.9
15°	607.1	631.0	646.4	661.9	670.2	678.4	681.9	685.5	689.8	685.5	681.9
17.5°	639.0	656.9	667.1	677.3	677.7	678.0	673.6	669.1	668.2	669.1	673.6
20°	662.8	677.6	677.8	678.0	669.2	660.3	652.6	645.0	641.5	645.0	652.6
22.5°	678.0	688.1	677.7	667.2	647.6	627.9	616.8	605.7	602.6	605.7	616.8
25°	696.3	697.8	676.5	655.2	627.8	600.5	586.2	571.8	568.5	571.8	586.2
27.5°	707.0	702.0	669.7	637.4	605.2	573.1	556.8	540.5	535.9	540.5	556.8
30°	719.1	701.2	659.5	617.9	585.5	553.2	539.5	525.9	521.8	525.9	539.5
32.5°	732.5	702.5	657.9	613.2	590.7	568.2	564.5	560.7	557.9	560.7	564.5
35°	749.6	716.0	682.4	648.8	652.2	655.6	667.7	679.8	679.6	679.8	667.7
37.5°	785.3	750.9	745.4	739.8	783.2	826.6	861.4	896.2	914.3	896.2	861.4
40°	846.4	822.3	842.4	862.5	922.8	983.1	1024.3	1065.6	1095.7	1065.6	1024.3
42.5°	927.7	914.0	939.1	964.3	1030.5	1096.6	1152.8	1208.9	1251.2	1208.9	1152.8
45°	1048.8	1034.6	1046.6	1058.5	1141.3	1224.2	1312.2	1400.2	1474.6	1400.2	1312.2
47.5°	1233.3	1200.3	1190.3	1180.2	1291.8	1403.4	1532.0	1660.7	1737.2	1660.7	1532.0
50°	1483.7	1432.2	1385.1	1338.1	1495.6	1653.1	1840.5	2027.8	2106.6	2027.8	1840.5
52.5°	1735.3	1687.9	1605.3	1522.7	1709.0	1895.4	2138.7	2382.0	2457.6	2382.0	2138.7
55°	2016.9	2036.7	1924.9	1813.1	2019.8	2226.6	2538.3	2849.9	2983.3	2849.9	2538.3
57.5°	2327.8	2503.7	2384.2	2264.8	2457.8	2650.8	3021.2	3391.7	3615.0	3391.7	3021.2
60°	2478.0	2830.7	2777.6	2724.6	2889.5	3054.4	3456.3	3858.3	4119.1	3858.3	3456.3
62.5°	2336.4	2720.3	2735.2	2750.2	2970.4	3190.6	3554.0	3917.4	4148.1	3917.4	3554.0
65°	2099.1	2460.4	2482.5	2504.7	2759.3	3013.9	3370.4	3726.8	3913.0	3726.8	3370.4
67.5°	1866.6	2242.3	2255.7	2269.1	2501.8	2734.5	3055.3	3376.1	3483.1	3376.1	3055.3
70°	1636.4	1994.3	2023.6	2052.9	2256.1	2459.3	2696.8	2934.4	2995.5	2934.4	2696.8
72.5°	1385.0	1745.0	1789.8	1834.7	1983.5	2132.4	2298.5	2464.5	2458.8	2464.5	2298.5
75°	1091.5	1428.8	1490.9	1552.9	1644.2	1735.4	1823.2	1910.9	1886.0	1910.9	1823.2
77.5°	795.7	1068.6	1134.2	1200.0	1264.3	1328.7	1390.6	1452.4	1413.3	1452.4	1390.6
80°	482.7	677.1	751.1	825.0	892.3	959.6	991.5	1023.4	957.5	1023.4	991.5
82.5°	251.3	359.8	433.4	506.9	575.1	643.3	663.2	683.2	620.3	683.2	663.2
85°	110.6	165.1	220.0	274.9	328.6	382.3	384.3	386.4	341.2	386.4	384.3
87.5°	42.5	64.8	93.0	121.3	150.2	179.0	178.0	176.9	146.0	176.9	178.0
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: P1207942

CATALOG NUMBER: UPW-SA1-030-827-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	400.1	400.1	400.1	400.1	400.1	400.1	400.1
2.5°	423.4	422.7	422.0	421.2	420.5	418.7	416.9
5°	473.7	470.1	466.5	461.7	457.0	451.5	446.0
7.5°	535.2	528.2	521.2	510.8	500.5	492.9	485.4
10°	592.2	583.8	575.5	564.0	552.6	533.3	514.1
12.5°	646.8	636.2	625.6	609.1	592.6	570.7	548.8
15°	678.4	670.2	661.9	646.4	631.0	607.1	583.2
17.5°	678.0	677.7	677.3	667.1	656.9	639.0	621.1
20°	660.3	669.2	678.0	677.8	677.6	662.8	648.0
22.5°	627.9	647.6	667.2	677.7	688.1	678.0	667.8
25°	600.5	627.8	655.2	676.5	697.8	696.3	694.7
27.5°	573.1	605.2	637.4	669.7	702.0	707.0	712.0
30°	553.2	585.5	617.9	659.5	701.2	719.1	737.1
32.5°	568.2	590.7	613.2	657.9	702.5	732.5	762.4
35°	655.6	652.2	648.8	682.4	716.0	749.6	783.2
37.5°	826.6	783.2	739.8	745.4	750.9	785.3	819.7
40°	983.1	922.8	862.5	842.4	822.3	846.4	870.6
42.5°	1096.6	1030.5	964.3	939.1	914.0	927.7	941.4
45°	1224.2	1141.3	1058.5	1046.6	1034.6	1048.8	1062.9
47.5°	1403.4	1291.8	1180.2	1190.3	1200.3	1233.3	1266.3
50°	1653.1	1495.6	1338.1	1385.1	1432.2	1483.7	1535.2
52.5°	1895.4	1709.0	1522.7	1605.3	1687.9	1735.3	1782.6
55°	2226.6	2019.8	1813.1	1924.9	2036.7	2016.9	1997.1
57.5°	2650.8	2457.8	2264.8	2384.2	2503.7	2327.8	2151.8
60°	3054.4	2889.5	2724.6	2777.6	2830.7	2478.0	2125.3
62.5°	3190.6	2970.4	2750.2	2735.2	2720.3	2336.4	1952.6
65°	3013.9	2759.3	2504.7	2482.5	2460.4	2099.1	1737.8
67.5°	2734.5	2501.8	2269.1	2255.7	2242.3	1866.6	1490.9
70°	2459.3	2256.1	2052.9	2023.6	1994.3	1636.4	1278.5
72.5°	2132.4	1983.5	1834.7	1789.8	1745.0	1385.0	1025.1
75°	1735.4	1644.2	1552.9	1490.9	1428.8	1091.5	754.2
77.5°	1328.7	1264.3	1200.0	1134.2	1068.6	795.7	522.9
80°	959.6	892.3	825.0	751.1	677.1	482.7	288.4
82.5°	643.3	575.1	506.9	433.4	359.8	251.3	142.7
85°	382.3	328.6	274.9	220.0	165.1	110.6	56.1
87.5°	179.0	150.2	121.3	93.0	64.8	42.5	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)