

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: P1209156

Luminaire Tested: UPW-SA2-090-827-U-SLR-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209156  
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-SA2-090-827-U-SLR-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR  
RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5543 lumens  
Efficiency: N/A  
Efficacy: 65.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

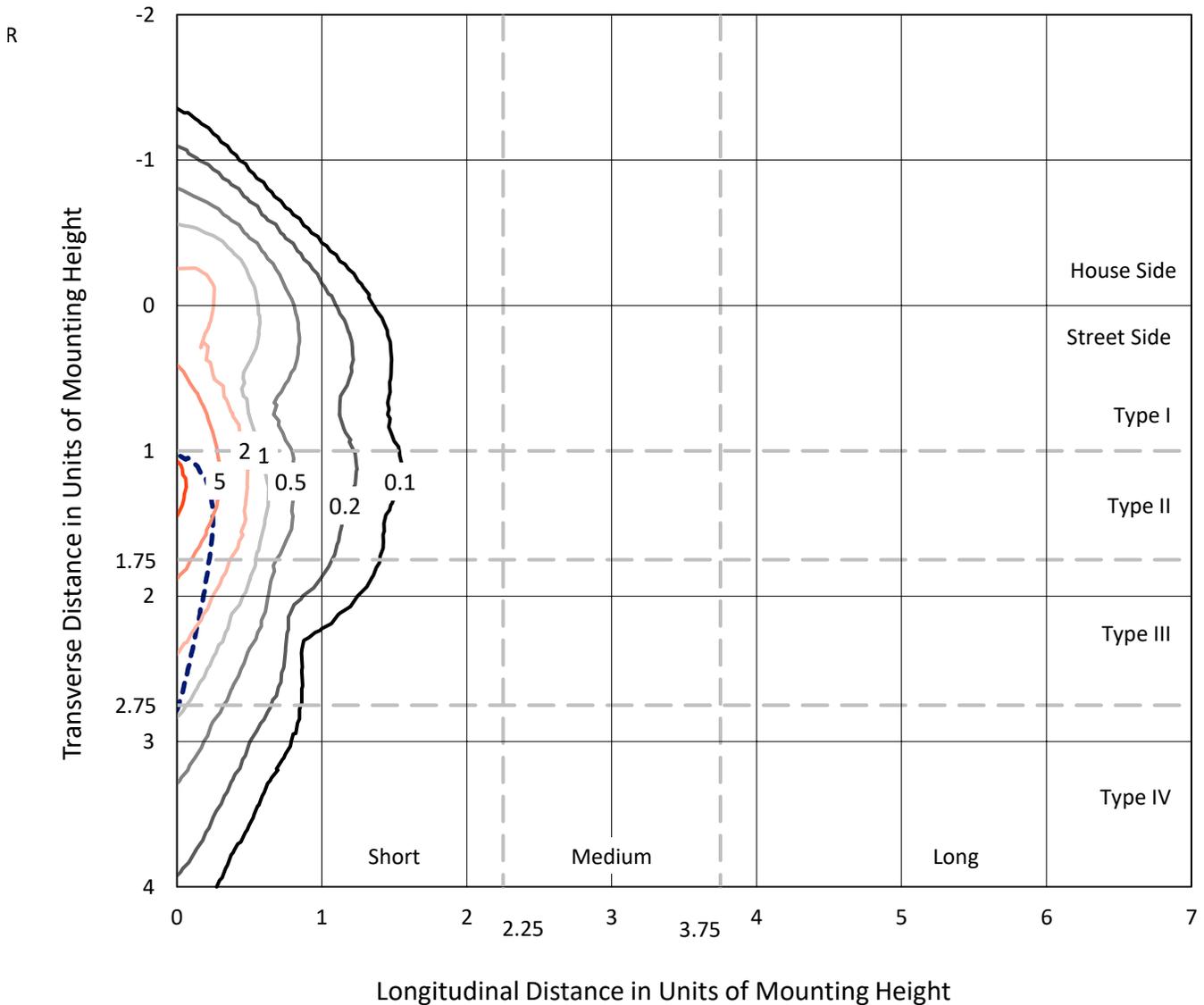
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1209156  
 CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

### Iso-Footcandle Lines of Horizontal Illumination

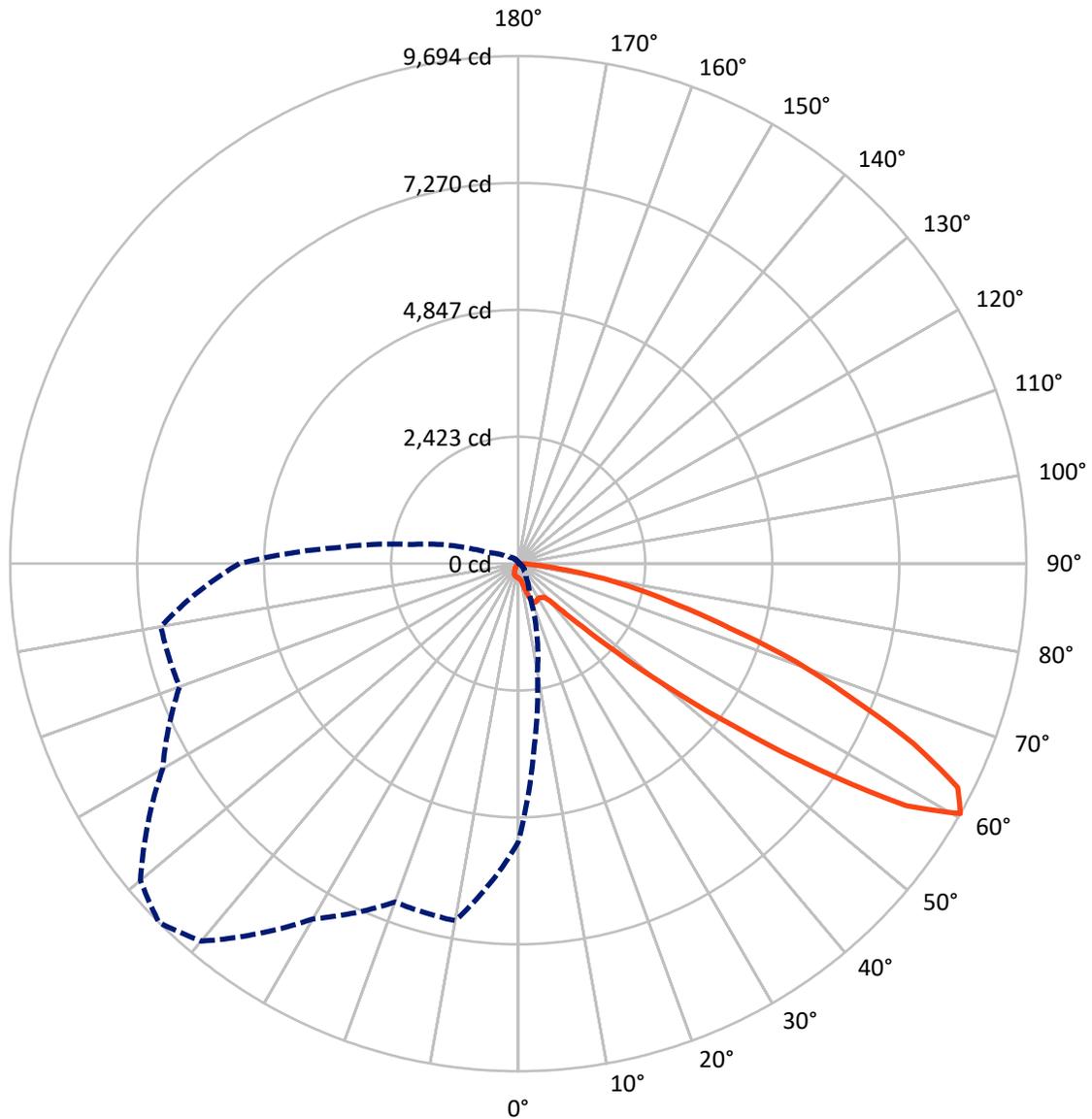
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P1209156  
CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	638.6	0.0	638.6
	% Fixture	11.5	0.0	11.5
<b>Street Side</b>	Lumens	4904.4	0.0	4904.4
	% Fixture	88.5	0.0	88.5
<b>Total</b>	Lumens	5543.0	0.0	5543.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.2	0.5
10°-20°	85.5	1.5
20°-30°	184.7	3.3
30°-40°	311.2	5.6
40°-50°	628.4	11.3
50°-60°	1616.4	29.2
60°-70°	1757.4	31.7
70°-80°	827.9	14.9
80°-90°	106.3	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°	5543.0	100.0
0°-180°	5543.0	100.0



REPORT NUMBER: P1209156

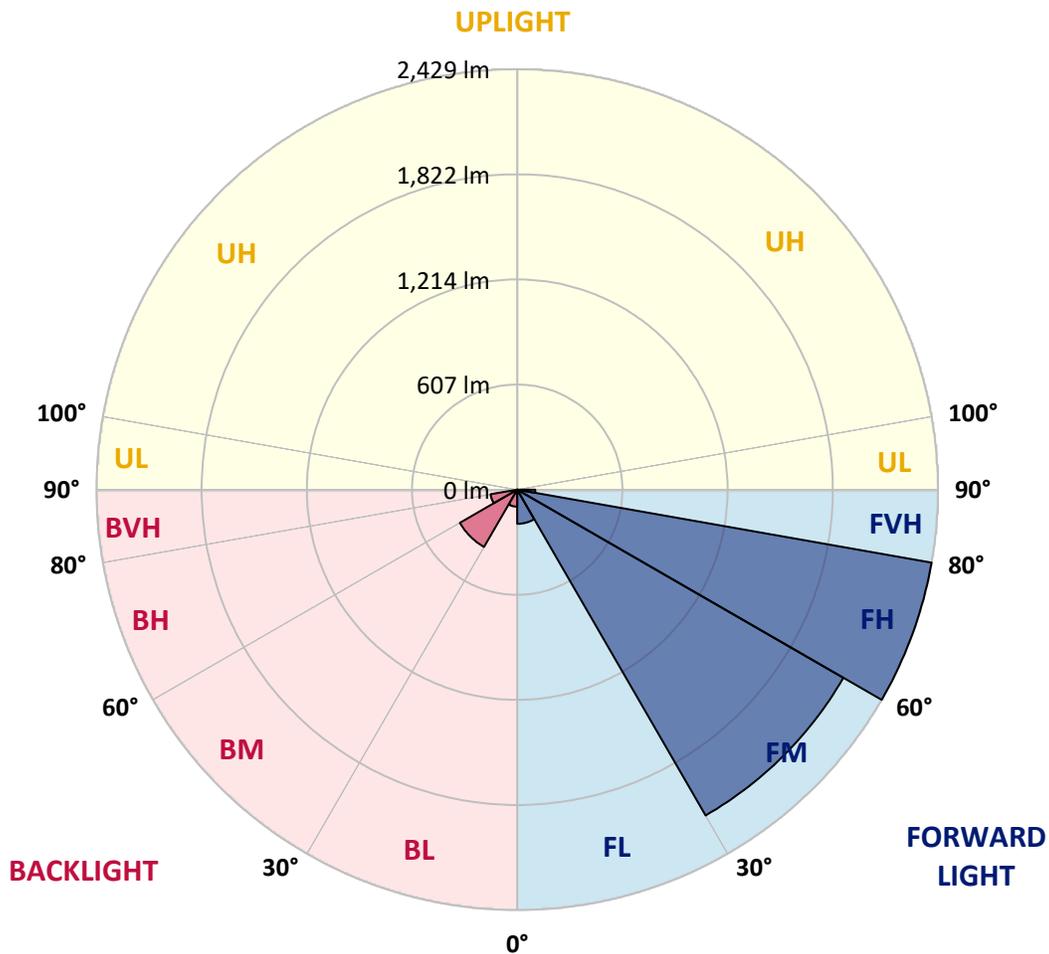
CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.3	3.6			
FM	(30°-60°)	2173.8	39.2			
FH	(60°-80°)	2429.0	43.8			G2/5000
FVH	(80°-90°)	104.4	1.9			G2/225
BL	(0°-30°)	98.2	1.8	B0/110		
BM	(30°-60°)	382.3	6.9	B1/1000		
BH	(60°-80°)	156.3	2.8	B1/500		G1/500
BVH	(80°-90°)	1.9	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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	277.6	278.5	277.7	276.6	275.5	274.9	274.5	274.2	273.8	272.9	272.5
5°	276.6	273.0	270.2	268.3	266.5	264.8	263.0	261.1	259.2	257.8	255.5
7.5°	267.7	264.0	260.6	257.8	255.0	252.6	250.3	248.6	247.0	246.0	245.8
10°	268.6	264.1	258.3	253.9	249.3	246.5	243.7	241.1	238.5	236.2	236.6
12.5°	288.4	277.3	265.1	256.1	247.3	242.7	238.0	235.2	232.4	230.5	229.4
15°	329.3	306.5	284.6	268.0	251.2	243.2	235.2	231.6	227.9	224.9	220.9
17.5°	412.1	362.3	320.4	289.9	259.5	245.8	232.2	227.2	222.2	218.8	216.6
20°	518.9	442.8	374.5	324.5	274.5	252.5	230.5	223.7	216.9	213.6	210.2
22.5°	644.5	552.3	456.1	379.9	303.7	267.8	231.9	221.3	210.8	206.1	200.6
25°	796.5	683.6	553.4	445.5	337.6	284.5	231.5	216.6	201.8	196.6	193.6
27.5°	951.2	831.6	677.9	535.0	392.2	313.3	234.5	214.3	194.0	187.7	184.5
30°	1136.1	1001.0	816.5	635.3	454.3	347.9	241.6	214.0	186.3	178.3	175.4
32.5°	1329.9	1186.7	971.2	747.6	524.1	386.9	249.8	215.3	180.6	172.2	166.7
35°	1506.8	1375.8	1140.2	875.5	610.8	436.4	261.8	216.3	170.8	161.4	156.8
37.5°	1704.4	1583.4	1330.2	1020.0	709.9	491.7	273.6	217.2	160.9	150.5	147.5
40°	1913.3	1811.2	1532.2	1169.7	807.3	546.1	284.9	218.8	152.9	141.6	137.9
42.5°	2167.3	2053.6	1735.2	1315.0	894.8	594.8	295.0	221.7	148.5	130.8	129.0
45°	2626.5	2402.5	1980.4	1474.5	968.6	636.2	303.9	227.1	150.4	121.4	118.2
47.5°	3296.4	2922.4	2294.6	1653.0	1011.4	661.4	311.4	235.3	159.2	115.3	105.9
50°	4184.1	3533.7	2622.2	1824.3	1026.3	672.6	319.0	247.5	176.1	121.4	102.6
52.5°	4985.7	3971.9	2803.8	1897.9	991.9	654.1	316.3	255.2	194.0	142.1	108.3
55°	5496.6	4138.5	2805.0	1861.6	918.3	610.7	303.2	256.1	209.1	170.8	122.4
57.5°	5674.5	3928.7	2545.8	1676.7	807.7	550.3	292.8	247.9	203.0	182.1	133.8
60°	5319.8	3495.1	2103.8	1358.2	612.5	456.5	300.6	240.5	180.5	163.7	131.2
62.5°	4734.1	2977.0	1700.4	1077.3	454.3	363.6	272.9	214.1	155.4	129.8	117.1
65°	4048.1	2492.3	1372.6	846.2	319.9	277.4	234.8	190.8	146.8	102.1	96.7
67.5°	3468.6	2003.7	1056.8	628.6	200.4	181.5	162.6	143.5	124.4	85.1	75.5
70°	2862.2	1551.8	792.2	466.5	140.7	129.7	118.6	108.8	99.0	72.0	58.5
72.5°	2181.4	1070.4	522.7	310.1	97.7	89.8	81.9	76.8	71.7	59.3	45.4
75°	1520.0	683.6	321.8	194.9	67.9	62.1	56.3	51.7	47.0	39.0	29.5
77.5°	815.3	358.2	168.9	106.1	43.3	38.8	34.3	30.5	26.5	24.5	18.3
80°	239.9	108.7	58.1	42.4	26.8	23.7	20.7	17.7	14.6	13.6	9.4
82.5°	72.4	33.1	20.7	17.7	14.6	12.8	11.1	8.9	6.8	5.6	4.0
85°	16.0	8.1	6.4	5.8	5.5	4.7	4.0	3.2	2.4	1.4	0.6
87.5°	2.4	0.4	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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	272.8	273.0	272.7	272.1	271.4	270.5	271.2	271.9	271.1	270.2	270.4
5°	255.5	255.4	256.1	256.9	257.0	257.0	258.2	259.2	259.6	259.9	260.2
7.5°	244.1	242.6	242.6	242.6	242.7	242.9	243.6	244.2	245.0	245.8	247.8
10°	235.6	234.5	233.8	233.2	232.6	232.2	234.2	236.2	236.7	237.3	239.7
12.5°	228.0	226.6	225.7	224.9	223.9	223.0	223.9	224.9	226.7	228.4	231.8
15°	220.1	219.2	218.2	217.2	216.2	215.3	216.0	216.9	217.8	218.8	222.1
17.5°	214.3	212.2	210.3	208.4	206.8	205.1	204.4	203.7	206.8	209.8	212.7
20°	207.3	204.4	201.8	199.3	197.2	195.2	194.8	194.3	195.6	196.8	200.6
22.5°	198.0	195.5	192.4	189.3	186.5	183.7	182.9	182.1	182.7	183.5	185.4
25°	190.0	186.3	182.9	179.5	176.5	173.6	171.2	168.9	169.0	169.2	170.2
27.5°	181.0	177.6	174.1	170.5	167.1	163.7	160.7	157.6	156.4	155.2	154.2
30°	172.4	169.4	165.7	162.0	158.0	153.8	150.5	147.2	143.9	140.4	138.2
32.5°	163.3	160.0	156.7	153.4	149.4	145.4	139.4	133.6	130.0	126.5	122.4
35°	153.9	151.0	147.3	143.8	139.3	134.7	129.3	123.7	117.7	111.8	105.8
37.5°	145.3	143.0	139.2	135.3	129.7	124.2	118.4	112.4	104.1	95.8	88.8
40°	136.3	134.7	131.0	127.2	120.8	114.3	106.3	98.3	89.3	80.2	72.6
42.5°	126.9	124.9	121.4	117.8	111.6	105.4	96.2	87.0	77.1	67.0	59.2
45°	116.4	114.6	112.2	109.9	102.7	95.8	85.1	74.3	64.9	55.5	48.7
47.5°	104.8	103.7	103.0	102.4	94.8	87.3	76.1	64.9	56.0	47.0	40.6
50°	98.7	94.8	94.8	94.8	87.1	79.5	68.2	56.9	48.7	40.5	34.8
52.5°	97.1	85.8	85.6	85.4	78.7	72.0	61.0	49.9	43.4	36.9	31.5
55°	100.5	78.6	76.6	74.5	68.6	62.6	53.4	44.2	38.4	32.5	27.7
57.5°	104.2	74.5	68.9	63.2	58.2	53.2	45.4	37.6	32.7	27.8	23.1
60°	102.6	74.1	64.0	53.8	49.3	44.7	38.1	31.5	26.7	21.8	17.9
62.5°	96.4	75.7	61.5	47.2	42.5	37.8	31.4	24.9	21.1	17.1	13.6
65°	85.4	74.1	58.7	43.3	37.5	31.8	26.3	20.7	16.5	12.2	9.0
67.5°	67.3	59.1	48.5	38.1	31.9	25.6	20.3	15.1	11.4	7.7	5.1
70°	51.6	44.7	39.1	33.7	26.8	19.9	14.2	8.5	5.6	2.8	1.7
72.5°	39.1	32.9	29.5	26.2	20.3	14.6	9.2	3.8	2.4	1.1	0.8
75°	25.0	20.5	18.7	16.9	13.5	10.2	6.5	2.8	1.8	0.8	0.4
77.5°	15.8	13.2	12.6	12.0	10.0	8.0	4.9	1.9	1.1	0.5	0.2
80°	8.4	7.3	7.3	7.3	6.0	4.7	2.8	0.9	0.5	0.0	0.0
82.5°	3.4	2.8	2.8	2.8	2.4	1.9	0.9	0.0	0.0	0.0	0.0
85°	0.8	0.9	0.8	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0
87.5°	0.1	0.2	0.2	0.2	0.1	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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	270.5	269.6	268.6	267.6	266.5	266.3	266.5	267.6	268.6	269.6	270.5
5°	260.6	260.8	261.1	261.2	261.4	261.6	261.4	261.2	261.1	260.8	260.6
7.5°	249.8	250.8	252.0	253.2	254.5	256.9	254.5	253.2	252.0	250.8	249.8
10°	242.0	243.3	244.6	245.7	246.7	248.4	246.7	245.7	244.6	243.3	242.0
12.5°	235.2	237.9	240.4	241.0	241.6	241.8	241.6	241.0	240.4	237.9	235.2
15°	225.6	228.5	231.5	232.9	234.3	235.2	234.3	232.9	231.5	228.5	225.6
17.5°	215.7	218.8	221.9	224.5	227.2	228.6	227.2	224.5	221.9	218.8	215.7
20°	204.4	208.1	211.9	213.1	214.3	213.6	214.3	213.1	211.9	208.1	204.4
22.5°	187.2	190.1	192.9	195.0	197.1	199.5	197.1	195.0	192.9	190.1	187.2
25°	171.2	172.3	173.3	174.5	175.8	176.9	175.8	174.5	173.3	172.3	171.2
27.5°	153.2	152.9	152.6	152.4	152.2	151.5	152.2	152.4	152.6	152.9	153.2
30°	136.0	133.6	131.3	129.5	127.8	127.0	127.8	129.5	131.3	133.6	136.0
32.5°	118.4	114.0	109.9	107.1	104.2	102.6	104.2	107.1	109.9	114.0	118.4
35°	99.7	94.1	88.4	85.2	82.0	80.9	82.0	85.2	88.4	94.1	99.7
37.5°	81.9	76.1	70.4	67.0	63.8	62.1	63.8	67.0	70.4	76.1	81.9
40°	65.1	59.7	54.1	51.3	48.5	47.0	48.5	51.3	54.1	59.7	65.1
42.5°	51.3	46.6	41.9	39.3	36.7	34.8	36.7	39.3	41.9	46.6	51.3
45°	41.9	37.4	32.9	31.0	29.0	28.2	29.0	31.0	32.9	37.4	41.9
47.5°	34.3	30.2	26.2	24.3	22.4	21.6	22.4	24.3	26.2	30.2	34.3
50°	29.2	25.3	21.5	19.6	17.7	16.9	17.7	19.6	21.5	25.3	29.2
52.5°	26.2	22.0	17.9	16.0	14.1	13.2	14.1	16.0	17.9	22.0	26.2
55°	22.8	18.4	14.1	12.1	10.2	9.4	10.2	12.1	14.1	18.4	22.8
57.5°	18.6	14.5	10.3	8.7	7.1	6.6	7.1	8.7	10.3	14.5	18.6
60°	13.9	10.3	6.6	4.9	3.3	2.8	3.3	4.9	6.6	10.3	13.9
62.5°	10.2	6.7	3.3	1.8	0.2	0.0	0.2	1.8	3.3	6.7	10.2
65°	5.8	3.6	1.1	0.6	0.0	0.0	0.0	0.6	1.1	3.6	5.8
67.5°	2.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.4
70°	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
72.5°	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	270.4	270.2	271.1	271.9	271.2	270.5	271.4	272.1	272.7	273.0	272.8
5°	260.2	259.9	259.6	259.2	258.2	257.0	257.0	256.9	256.1	255.4	255.5
7.5°	247.8	245.8	245.0	244.2	243.6	242.9	242.7	242.6	242.6	242.6	244.1
10°	239.7	237.3	236.7	236.2	234.2	232.2	232.6	233.2	233.8	234.5	235.6
12.5°	231.8	228.4	226.7	224.9	223.9	223.0	223.9	224.9	225.7	226.6	228.0
15°	222.1	218.8	217.8	216.9	216.0	215.3	216.2	217.2	218.2	219.2	220.1
17.5°	212.7	209.8	206.8	203.7	204.4	205.1	206.8	208.4	210.3	212.2	214.3
20°	200.6	196.8	195.6	194.3	194.8	195.2	197.2	199.3	201.8	204.4	207.3
22.5°	185.4	183.5	182.7	182.1	182.9	183.7	186.5	189.3	192.4	195.5	198.0
25°	170.2	169.2	169.0	168.9	171.2	173.6	176.5	179.5	182.9	186.3	190.0
27.5°	154.2	155.2	156.4	157.6	160.7	163.7	167.1	170.5	174.1	177.6	181.0
30°	138.2	140.4	143.9	147.2	150.5	153.8	158.0	162.0	165.7	169.4	172.4
32.5°	122.4	126.5	130.0	133.6	139.4	145.4	149.4	153.4	156.7	160.0	163.3
35°	105.8	111.8	117.7	123.7	129.3	134.7	139.3	143.8	147.3	151.0	153.9
37.5°	88.8	95.8	104.1	112.4	118.4	124.2	129.7	135.3	139.2	143.0	145.3
40°	72.6	80.2	89.3	98.3	106.3	114.3	120.8	127.2	131.0	134.7	136.3
42.5°	59.2	67.0	77.1	87.0	96.2	105.4	111.6	117.8	121.4	124.9	126.9
45°	48.7	55.5	64.9	74.3	85.1	95.8	102.7	109.9	112.2	114.6	116.4
47.5°	40.6	47.0	56.0	64.9	76.1	87.3	94.8	102.4	103.0	103.7	104.8
50°	34.8	40.5	48.7	56.9	68.2	79.5	87.1	94.8	94.8	94.8	98.7
52.5°	31.5	36.9	43.4	49.9	61.0	72.0	78.7	85.4	85.6	85.8	97.1
55°	27.7	32.5	38.4	44.2	53.4	62.6	68.6	74.5	76.6	78.6	100.5
57.5°	23.1	27.8	32.7	37.6	45.4	53.2	58.2	63.2	68.9	74.5	104.2
60°	17.9	21.8	26.7	31.5	38.1	44.7	49.3	53.8	64.0	74.1	102.6
62.5°	13.6	17.1	21.1	24.9	31.4	37.8	42.5	47.2	61.5	75.7	96.4
65°	9.0	12.2	16.5	20.7	26.3	31.8	37.5	43.3	58.7	74.1	85.4
67.5°	5.1	7.7	11.4	15.1	20.3	25.6	31.9	38.1	48.5	59.1	67.3
70°	1.7	2.8	5.6	8.5	14.2	19.9	26.8	33.7	39.1	44.7	51.6
72.5°	0.8	1.1	2.4	3.8	9.2	14.6	20.3	26.2	29.5	32.9	39.1
75°	0.4	0.8	1.8	2.8	6.5	10.2	13.5	16.9	18.7	20.5	25.0
77.5°	0.2	0.5	1.1	1.9	4.9	8.0	10.0	12.0	12.6	13.2	15.8
80°	0.0	0.0	0.5	0.9	2.8	4.7	6.0	7.3	7.3	7.3	8.4
82.5°	0.0	0.0	0.0	0.0	0.9	1.9	2.4	2.8	2.8	2.8	3.4
85°	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.8	0.8	0.9	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	272.5	272.9	273.8	274.2	274.5	274.9	275.5	276.6	277.7	278.5	277.6
5°	255.5	257.8	259.2	261.1	263.0	264.8	266.5	268.3	270.2	273.0	276.6
7.5°	245.8	246.0	247.0	248.6	250.3	252.6	255.0	257.8	260.6	264.0	267.7
10°	236.6	236.2	238.5	241.1	243.7	246.5	249.3	253.9	258.3	264.1	268.6
12.5°	229.4	230.5	232.4	235.2	238.0	242.7	247.3	256.1	265.1	277.3	288.4
15°	220.9	224.9	227.9	231.6	235.2	243.2	251.2	268.0	284.6	306.5	329.3
17.5°	216.6	218.8	222.2	227.2	232.2	245.8	259.5	289.9	320.4	362.3	412.1
20°	210.2	213.6	216.9	223.7	230.5	252.5	274.5	324.5	374.5	442.8	518.9
22.5°	200.6	206.1	210.8	221.3	231.9	267.8	303.7	379.9	456.1	552.3	644.5
25°	193.6	196.6	201.8	216.6	231.5	284.5	337.6	445.5	553.4	683.6	796.5
27.5°	184.5	187.7	194.0	214.3	234.5	313.3	392.2	535.0	677.9	831.6	951.2
30°	175.4	178.3	186.3	214.0	241.6	347.9	454.3	635.3	816.5	1001.0	1136.1
32.5°	166.7	172.2	180.6	215.3	249.8	386.9	524.1	747.6	971.2	1186.7	1329.9
35°	156.8	161.4	170.8	216.3	261.8	436.4	610.8	875.5	1140.2	1375.8	1506.8
37.5°	147.5	150.5	160.9	217.2	273.6	491.7	709.9	1020.0	1330.2	1583.4	1704.4
40°	137.9	141.6	152.9	218.8	284.9	546.1	807.3	1169.7	1532.2	1811.2	1913.3
42.5°	129.0	130.8	148.5	221.7	295.0	594.8	894.8	1315.0	1735.2	2053.6	2167.3
45°	118.2	121.4	150.4	227.1	303.9	636.2	968.6	1474.5	1980.4	2402.5	2626.5
47.5°	105.9	115.3	159.2	235.3	311.4	661.4	1011.4	1653.0	2294.6	2922.4	3296.4
50°	102.6	121.4	176.1	247.5	319.0	672.6	1026.3	1824.3	2622.2	3533.7	4184.1
52.5°	108.3	142.1	194.0	255.2	316.3	654.1	991.9	1897.9	2803.8	3971.9	4985.7
55°	122.4	170.8	209.1	256.1	303.2	610.7	918.3	1861.6	2805.0	4138.5	5496.6
57.5°	133.8	182.1	203.0	247.9	292.8	550.3	807.7	1676.7	2545.8	3928.7	5674.5
60°	131.2	163.7	180.5	240.5	300.6	456.5	612.5	1358.2	2103.8	3495.1	5319.8
62.5°	117.1	129.8	155.4	214.1	272.9	363.6	454.3	1077.3	1700.4	2977.0	4734.1
65°	96.7	102.1	146.8	190.8	234.8	277.4	319.9	846.2	1372.6	2492.3	4048.1
67.5°	75.5	85.1	124.4	143.5	162.6	181.5	200.4	628.6	1056.8	2003.7	3468.6
70°	58.5	72.0	99.0	108.8	118.6	129.7	140.7	466.5	792.2	1551.8	2862.2
72.5°	45.4	59.3	71.7	76.8	81.9	89.8	97.7	310.1	522.7	1070.4	2181.4
75°	29.5	39.0	47.0	51.7	56.3	62.1	67.9	194.9	321.8	683.6	1520.0
77.5°	18.3	24.5	26.5	30.5	34.3	38.8	43.3	106.1	168.9	358.2	815.3
80°	9.4	13.6	14.6	17.7	20.7	23.7	26.8	42.4	58.1	108.7	239.9
82.5°	4.0	5.6	6.8	8.9	11.1	12.8	14.6	17.7	20.7	33.1	72.4
85°	0.6	1.4	2.4	3.2	4.0	4.7	5.5	5.8	6.4	8.1	16.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.4
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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	278.4	279.3	280.5	281.8	282.4	283.0	283.3	283.6	281.3	283.6	283.3
5°	279.0	281.3	284.1	287.0	288.5	290.0	290.7	291.5	293.6	291.5	290.7
7.5°	273.7	279.6	285.1	290.5	294.7	299.0	302.6	306.2	308.6	306.2	302.6
10°	279.5	290.5	301.2	311.9	320.1	328.4	333.9	339.5	342.5	339.5	333.9
12.5°	306.2	323.9	341.7	359.6	376.4	393.3	404.5	415.7	423.4	415.7	404.5
15°	362.7	396.1	427.3	458.7	484.7	510.9	524.7	538.6	540.1	538.6	524.7
17.5°	460.9	509.8	551.3	592.8	620.5	648.3	661.5	674.8	678.4	674.8	661.5
20°	580.3	641.7	680.8	720.0	738.6	757.2	764.2	771.1	766.8	771.1	764.2
22.5°	709.6	774.8	801.6	828.4	826.7	825.0	819.1	813.3	803.5	813.3	819.1
25°	850.6	904.7	899.0	893.4	870.4	847.5	828.2	808.8	799.8	808.8	828.2
27.5°	980.5	1009.8	969.7	929.6	885.9	842.3	816.4	790.4	774.3	790.4	816.4
30°	1117.2	1098.2	1026.9	955.5	900.2	844.9	814.2	783.6	764.9	783.6	814.2
32.5°	1263.1	1196.3	1094.6	992.8	928.6	864.2	828.7	793.2	770.6	793.2	828.7
35°	1397.3	1287.9	1159.0	1030.1	960.8	891.8	850.7	809.9	792.2	809.9	850.7
37.5°	1539.4	1374.4	1218.1	1061.8	986.2	910.8	873.1	835.6	816.7	835.6	873.1
40°	1696.4	1479.5	1296.9	1114.2	1047.8	981.3	956.7	932.0	926.8	932.0	956.7
42.5°	1901.0	1634.5	1439.2	1243.8	1212.4	1181.0	1189.4	1197.6	1231.6	1197.6	1189.4
45°	2301.0	1975.7	1755.1	1534.6	1546.2	1557.9	1622.0	1686.2	1723.7	1686.2	1622.0
47.5°	2942.5	2588.6	2307.1	2025.7	2104.0	2182.4	2338.0	2493.7	2527.2	2493.7	2338.0
50°	3807.8	3431.6	3080.4	2729.0	2894.2	3059.3	3356.8	3654.2	3703.3	3654.2	3356.8
52.5°	4695.6	4405.4	3994.4	3583.4	3863.7	4144.1	4580.8	5017.5	5151.3	5017.5	4580.8
55°	5591.5	5686.2	5254.8	4823.4	5165.4	5507.2	6082.6	6658.1	6914.5	6658.1	6082.6
57.5°	6234.9	6795.2	6493.1	6191.0	6543.8	6896.7	7607.8	8318.9	8723.9	8318.9	7607.8
60°	6121.8	6923.8	6900.1	6876.4	7355.3	7834.0	8622.6	9411.3	9693.9	9411.3	8622.6
62.5°	5395.5	6056.9	6177.1	6297.3	6971.8	7646.4	8382.9	9119.4	9408.8	9119.4	8382.9
65°	4639.9	5231.5	5324.5	5417.4	6137.6	6857.9	7523.1	8188.3	8286.4	8188.3	7523.1
67.5°	4067.4	4666.3	4724.7	4783.3	5396.0	6008.7	6501.9	6995.1	6874.1	6995.1	6501.9
70°	3495.5	4128.8	4225.6	4322.4	4756.2	5189.9	5478.2	5766.5	5620.8	5766.5	5478.2
72.5°	2822.8	3464.3	3553.7	3643.1	3944.3	4245.5	4388.1	4530.5	4243.4	4530.5	4388.1
75°	2071.3	2622.4	2739.9	2857.3	3068.4	3279.7	3337.1	3394.5	3129.4	3394.5	3337.1
77.5°	1184.8	1554.3	1762.4	1970.4	2199.4	2428.4	2455.7	2483.0	2307.0	2483.0	2455.7
80°	409.3	578.6	823.2	1067.7	1342.8	1618.1	1631.4	1644.7	1513.9	1644.7	1631.4
82.5°	145.9	219.4	389.5	559.6	759.7	959.7	940.9	922.0	789.4	922.0	940.9
85°	50.8	85.6	189.1	292.6	384.0	475.3	438.2	401.0	325.5	401.0	438.2
87.5°	14.0	25.6	67.4	109.1	131.7	154.3	126.0	97.7	88.4	97.7	126.0
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: P1209156

CATALOG NUMBER: UPW-SA2-090-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	275.7	275.7	275.7	275.7	275.7	275.7	275.7
2.5°	283.0	282.4	281.8	280.5	279.3	278.4	277.6
5°	290.0	288.5	287.0	284.1	281.3	279.0	276.6
7.5°	299.0	294.7	290.5	285.1	279.6	273.7	267.7
10°	328.4	320.1	311.9	301.2	290.5	279.5	268.6
12.5°	393.3	376.4	359.6	341.7	323.9	306.2	288.4
15°	510.9	484.7	458.7	427.3	396.1	362.7	329.3
17.5°	648.3	620.5	592.8	551.3	509.8	460.9	412.1
20°	757.2	738.6	720.0	680.8	641.7	580.3	518.9
22.5°	825.0	826.7	828.4	801.6	774.8	709.6	644.5
25°	847.5	870.4	893.4	899.0	904.7	850.6	796.5
27.5°	842.3	885.9	929.6	969.7	1009.8	980.5	951.2
30°	844.9	900.2	955.5	1026.9	1098.2	1117.2	1136.1
32.5°	864.2	928.6	992.8	1094.6	1196.3	1263.1	1329.9
35°	891.8	960.8	1030.1	1159.0	1287.9	1397.3	1506.8
37.5°	910.8	986.2	1061.8	1218.1	1374.4	1539.4	1704.4
40°	981.3	1047.8	1114.2	1296.9	1479.5	1696.4	1913.3
42.5°	1181.0	1212.4	1243.8	1439.2	1634.5	1901.0	2167.3
45°	1557.9	1546.2	1534.6	1755.1	1975.7	2301.0	2626.5
47.5°	2182.4	2104.0	2025.7	2307.1	2588.6	2942.5	3296.4
50°	3059.3	2894.2	2729.0	3080.4	3431.6	3807.8	4184.1
52.5°	4144.1	3863.7	3583.4	3994.4	4405.4	4695.6	4985.7
55°	5507.2	5165.4	4823.4	5254.8	5686.2	5591.5	5496.6
57.5°	6896.7	6543.8	6191.0	6493.1	6795.2	6234.9	5674.5
60°	7834.0	7355.3	6876.4	6900.1	6923.8	6121.8	5319.8
62.5°	7646.4	6971.8	6297.3	6177.1	6056.9	5395.5	4734.1
65°	6857.9	6137.6	5417.4	5324.5	5231.5	4639.9	4048.1
67.5°	6008.7	5396.0	4783.3	4724.7	4666.3	4067.4	3468.6
70°	5189.9	4756.2	4322.4	4225.6	4128.8	3495.5	2862.2
72.5°	4245.5	3944.3	3643.1	3553.7	3464.3	2822.8	2181.4
75°	3279.7	3068.4	2857.3	2739.9	2622.4	2071.3	1520.0
77.5°	2428.4	2199.4	1970.4	1762.4	1554.3	1184.8	815.3
80°	1618.1	1342.8	1067.7	823.2	578.6	409.3	239.9
82.5°	959.7	759.7	559.6	389.5	219.4	145.9	72.4
85°	475.3	384.0	292.6	189.1	85.6	50.8	16.0
87.5°	154.3	131.7	109.1	67.4	25.6	14.0	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)