

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: P1208048

Luminaire Tested: UPW-SA1-040-730-U-SLL

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-730-U-SLL  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5338 lumens  
Efficiency: N/A  
Efficacy: 121.3 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): 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

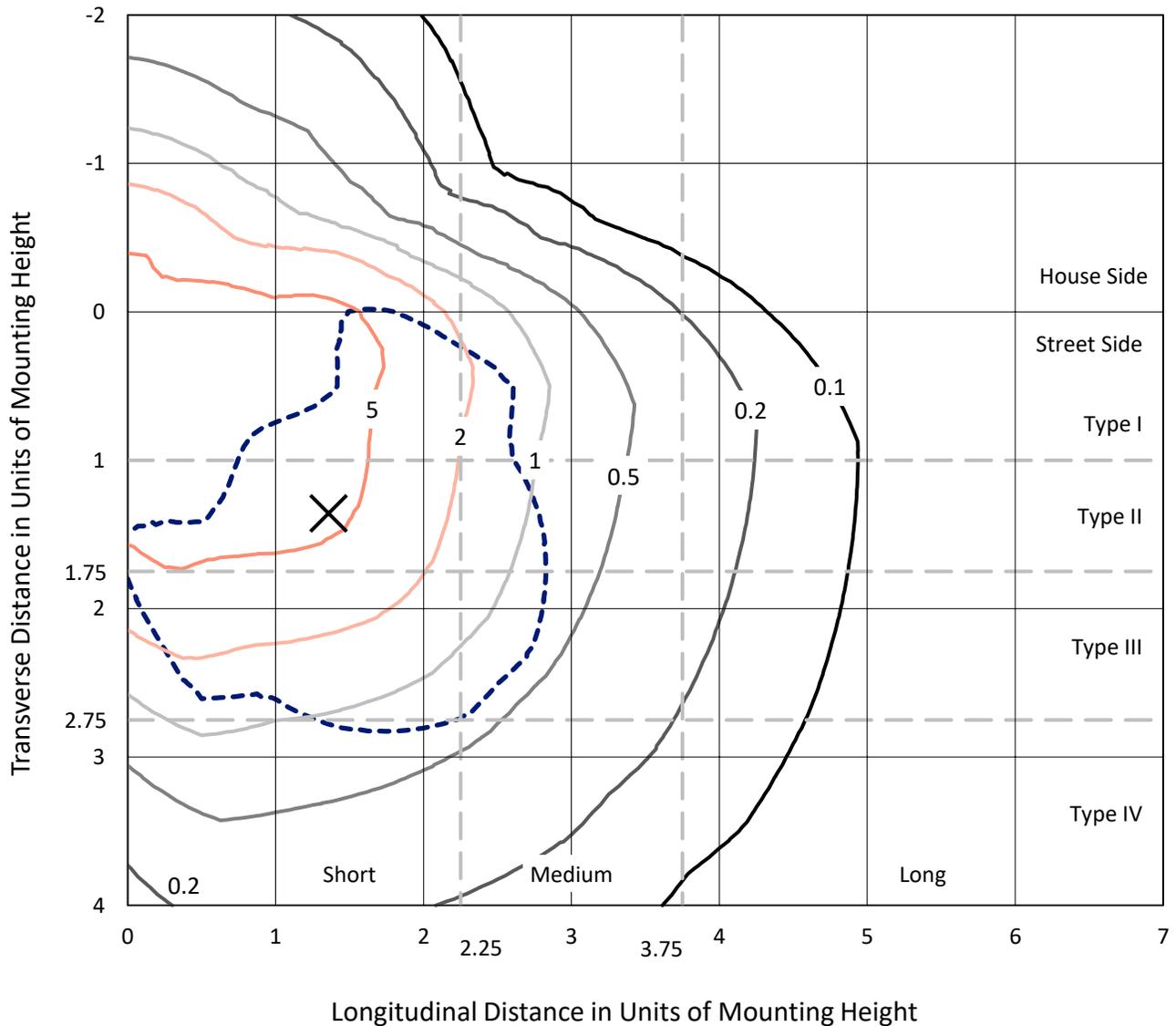


REPORT NUMBER: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

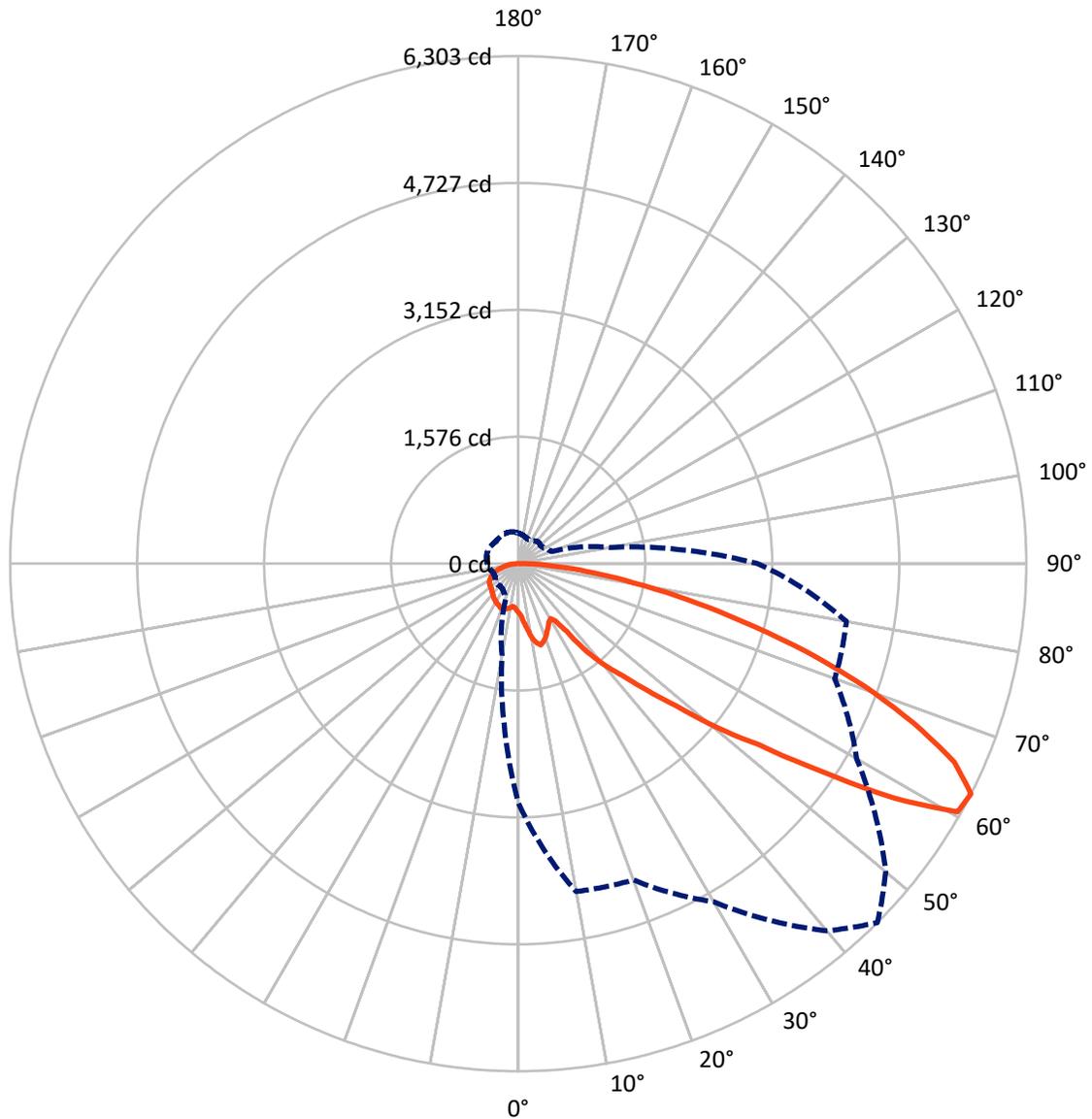


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1308.2	0.0	1308.2
	% Fixture	24.5	0.0	24.5
<b>Street Side</b>	Lumens	4029.8	0.0	4029.8
	% Fixture	75.5	0.0	75.5
<b>Total</b>	Lumens	5338.0	0.0	5338.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	1.1
10°-20°	204.8	3.8
20°-30°	333.1	6.2
30°-40°	454.3	8.5
40°-50°	687.9	12.9
50°-60°	1182.9	22.2
60°-70°	1387.2	26.0
70°-80°	827.3	15.5
80°-90°	199.8	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°	5338.0	100.0
0°-180°	5338.0	100.0



REPORT NUMBER: P1208048

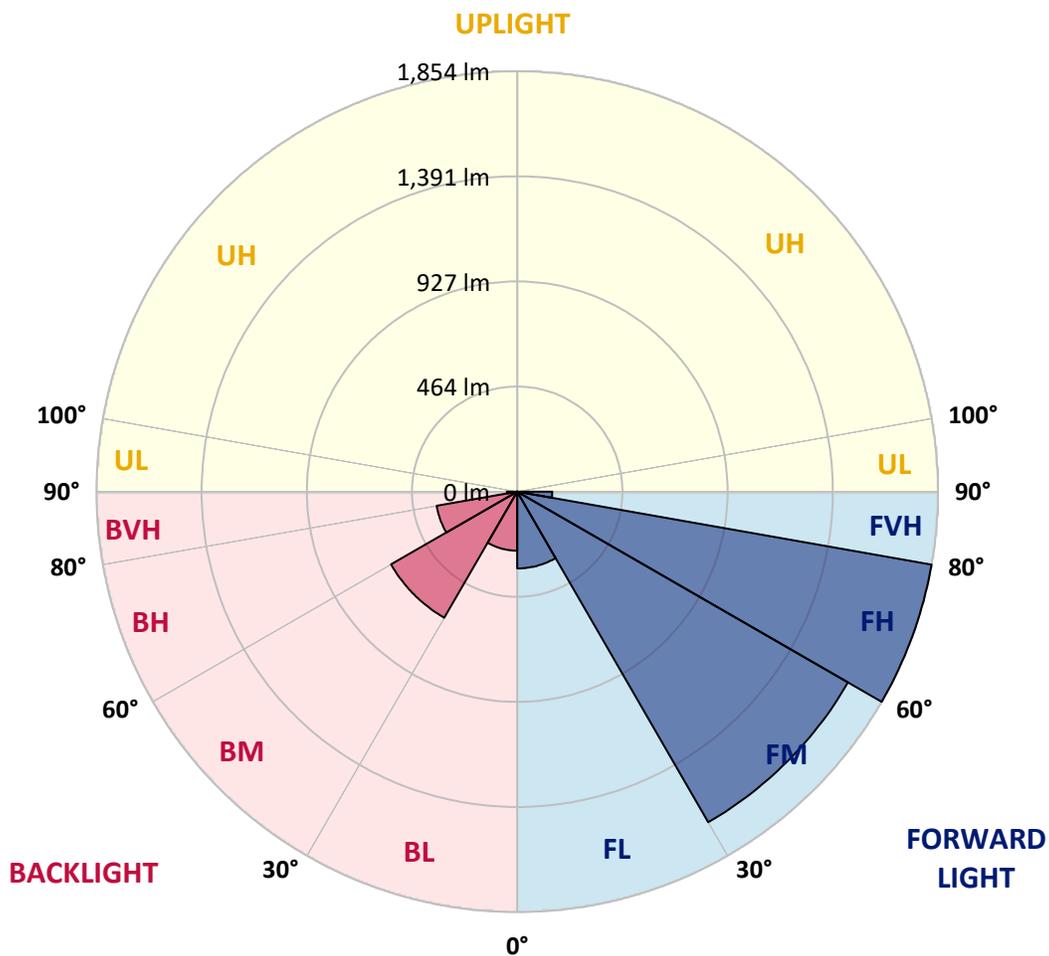
CATALOG NUMBER: UPW-SA1-040-730-U-SLL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	338.4	6.3			
FM (30°-60°)	1683.0	31.5			
FH (60°-80°)	1854.1	34.7			G2/5000
FVH (80°-90°)	154.4	2.9			G2/225
BL (0°-30°)	260.2	4.9	B1/500		
BM (30°-60°)	642.1	12.0	B1/1000		
BH (60°-80°)	360.5	6.8	B1/500		G1/500
BVH (80°-90°)	45.4	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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	633.5	636.2	638.9	640.0	641.2	642.2	643.4	644.2	645.1	643.1	645.1
5°	677.7	686.0	694.4	701.6	708.8	714.3	719.7	722.4	725.2	729.6	725.2
7.5°	737.6	749.0	760.5	776.2	791.9	802.6	813.2	817.9	822.5	823.8	822.5
10°	781.2	810.4	839.6	857.0	874.4	887.1	899.9	910.8	921.8	934.2	921.8
12.5°	834.0	867.3	900.5	925.5	950.6	966.7	982.8	993.6	1004.5	1008.2	1004.5
15°	886.2	922.5	958.8	982.3	1005.8	1018.3	1030.8	1036.2	1041.6	1048.1	1041.6
17.5°	943.7	970.9	998.1	1013.6	1029.2	1029.7	1030.2	1023.5	1016.7	1015.3	1016.7
20°	984.6	1007.1	1029.6	1029.9	1030.2	1016.8	1003.4	991.7	980.1	974.7	980.1
22.5°	1014.7	1030.2	1045.6	1029.7	1013.8	984.0	954.2	937.2	920.3	915.7	920.3
25°	1055.6	1058.0	1060.4	1028.0	995.6	954.0	912.4	890.7	868.9	863.8	868.9
27.5°	1081.8	1074.3	1066.7	1017.6	968.5	919.6	870.8	846.1	821.3	814.3	821.3
30°	1120.0	1092.7	1065.4	1002.1	938.8	889.7	840.5	819.8	799.1	792.8	799.1
32.5°	1158.5	1113.0	1067.5	999.7	931.8	897.6	863.3	857.7	852.0	847.7	852.0
35°	1190.1	1139.0	1088.0	1036.8	985.8	991.0	996.2	1014.6	1033.0	1032.6	1033.0
37.5°	1245.6	1193.3	1141.1	1132.6	1124.2	1190.1	1256.0	1308.9	1361.8	1389.3	1361.8
40°	1322.8	1286.1	1249.5	1280.1	1310.6	1402.2	1493.9	1556.5	1619.1	1664.9	1619.1
42.5°	1430.5	1409.6	1388.7	1427.0	1465.2	1565.8	1666.3	1751.7	1837.0	1901.2	1837.0
45°	1615.1	1593.6	1572.0	1590.3	1608.4	1734.3	1860.1	1993.9	2127.6	2240.6	2127.6
47.5°	1924.1	1874.0	1823.9	1808.7	1793.3	1962.9	2132.5	2327.9	2523.5	2639.7	2523.5
50°	2332.8	2254.4	2176.2	2104.7	2033.3	2272.6	2511.9	2796.6	3081.3	3201.0	3081.3
52.5°	2708.6	2636.7	2564.8	2439.3	2313.7	2596.9	2880.1	3249.8	3619.5	3734.3	3619.5
55°	3034.6	3064.7	3094.7	2924.8	2754.9	3069.1	3383.3	3856.9	4330.4	4533.1	4330.4
57.5°	3269.6	3537.0	3804.4	3622.9	3441.3	3734.6	4027.8	4590.7	5153.7	5493.0	5153.7
60°	3229.4	3765.3	4301.2	4220.6	4140.0	4390.5	4641.1	5251.8	5862.6	6258.9	5862.6
62.5°	2966.9	3550.1	4133.4	4156.2	4178.9	4513.5	4848.1	5400.3	5952.4	6303.1	5952.4
65°	2640.6	3189.6	3738.5	3772.2	3805.9	4192.8	4579.6	5121.2	5662.8	5945.7	5662.8
67.5°	2265.4	2836.3	3407.1	3427.5	3447.9	3801.5	4155.0	4642.5	5130.0	5292.5	5130.0
70°	1942.6	2486.4	3030.3	3074.9	3119.4	3428.2	3736.9	4097.8	4458.8	4551.6	4458.8
72.5°	1557.6	2104.5	2651.5	2719.6	2787.8	3014.0	3240.1	3492.5	3744.8	3736.1	3744.8
75°	1146.0	1658.5	2171.1	2265.4	2359.6	2498.3	2637.0	2770.3	2903.6	2865.8	2903.6
77.5°	794.6	1209.1	1623.7	1723.5	1823.3	1921.2	2019.0	2113.0	2206.9	2147.5	2206.9
80°	438.2	733.5	1028.9	1141.2	1253.6	1355.9	1458.1	1506.6	1555.0	1455.0	1555.0
82.5°	216.8	381.8	546.7	658.5	770.3	873.9	977.4	1007.8	1038.1	942.5	1038.1
85°	85.3	168.1	250.8	334.3	417.7	499.3	580.9	584.0	587.2	518.4	587.2
87.5°	30.7	64.5	98.4	141.4	184.3	228.2	272.0	270.5	268.9	221.9	268.9
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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	644.2	643.4	642.2	641.2	640.0	638.9	636.2	633.5	631.9	631.3	629.1
5°	722.4	719.7	714.3	708.8	701.6	694.4	686.0	677.7	672.7	665.9	656.1
7.5°	817.9	813.2	802.6	791.9	776.2	760.5	749.0	737.6	715.2	696.3	680.7
10°	910.8	899.9	887.1	874.4	857.0	839.6	810.4	781.2	762.6	740.6	714.1
12.5°	993.6	982.8	966.7	950.6	925.5	900.5	867.3	834.0	805.4	774.3	742.3
15°	1036.2	1030.8	1018.3	1005.8	982.3	958.8	922.5	886.2	851.4	812.2	770.1
17.5°	1023.5	1030.2	1029.7	1029.2	1013.6	998.1	970.9	943.7	892.8	842.6	792.7
20°	991.7	1003.4	1016.8	1030.2	1029.9	1029.6	1007.1	984.6	933.2	878.8	818.3
22.5°	937.2	954.2	984.0	1013.8	1029.7	1045.6	1030.2	1014.7	961.1	902.6	832.5
25°	890.7	912.4	954.0	995.6	1028.0	1060.4	1058.0	1055.6	991.4	923.0	841.4
27.5°	846.1	870.8	919.6	968.5	1017.6	1066.7	1074.3	1081.8	1024.0	958.0	866.2
30°	819.8	840.5	889.7	938.8	1002.1	1065.4	1092.7	1120.0	1060.5	990.3	887.4
32.5°	857.7	863.3	897.6	931.8	999.7	1067.5	1113.0	1158.5	1094.4	1017.8	901.1
35°	1014.6	996.2	991.0	985.8	1036.8	1088.0	1139.0	1190.1	1127.1	1046.3	913.7
37.5°	1308.9	1256.0	1190.1	1124.2	1132.6	1141.1	1193.3	1245.6	1170.3	1074.4	923.4
40°	1556.5	1493.9	1402.2	1310.6	1280.1	1249.5	1286.1	1322.8	1240.0	1124.6	945.6
42.5°	1751.7	1666.3	1565.8	1465.2	1427.0	1388.7	1409.6	1430.5	1316.4	1171.1	966.8
45°	1993.9	1860.1	1734.3	1608.4	1590.3	1572.0	1593.6	1615.1	1439.8	1235.7	995.7
47.5°	2327.9	2132.5	1962.9	1793.3	1808.7	1823.9	1874.0	1924.1	1646.5	1339.7	1041.9
50°	2796.6	2511.9	2272.6	2033.3	2104.7	2176.2	2254.4	2332.8	1942.3	1506.1	1123.4
52.5°	3249.8	2880.1	2596.9	2313.7	2439.3	2564.8	2636.7	2708.6	2200.3	1640.8	1185.9
55°	3856.9	3383.3	3069.1	2754.9	2924.8	3094.7	3064.7	3034.6	2373.6	1695.8	1202.3
57.5°	4590.7	4027.8	3734.6	3441.3	3622.9	3804.4	3537.0	3269.6	2398.9	1594.4	1125.7
60°	5251.8	4641.1	4390.5	4140.0	4220.6	4301.2	3765.3	3229.4	2249.7	1371.6	959.1
62.5°	5400.3	4848.1	4513.5	4178.9	4156.2	4133.4	3550.1	2966.9	2002.8	1152.0	797.0
65°	5121.2	4579.6	4192.8	3805.9	3772.2	3738.5	3189.6	2640.6	1728.8	945.6	648.4
67.5°	4642.5	4155.0	3801.5	3447.9	3427.5	3407.1	2836.3	2265.4	1440.5	754.1	510.2
70°	4097.8	3736.9	3428.2	3119.4	3074.9	3030.3	2486.4	1942.6	1180.4	580.0	396.3
72.5°	3492.5	3240.1	3014.0	2787.8	2719.6	2651.5	2104.5	1557.6	910.8	424.7	299.0
75°	2770.3	2637.0	2498.3	2359.6	2265.4	2171.1	1658.5	1146.0	655.5	299.5	221.1
77.5°	2113.0	2019.0	1921.2	1823.3	1723.5	1623.7	1209.1	794.6	451.5	208.9	162.9
80°	1506.6	1458.1	1355.9	1253.6	1141.2	1028.9	733.5	438.2	259.9	134.8	112.4
82.5°	1007.8	977.4	873.9	770.3	658.5	546.7	381.8	216.8	138.6	84.8	75.7
85°	584.0	580.9	499.3	417.7	334.3	250.8	168.1	85.3	62.6	47.6	45.1
87.5°	270.5	272.0	228.2	184.3	141.4	98.4	64.5	30.7	23.9	19.8	19.0
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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	626.8	622.8	618.9	616.1	613.2	610.0	604.8	602.1	599.5	597.0	594.5
5°	646.4	637.2	628.0	620.3	612.6	605.8	599.4	592.2	585.1	578.9	572.7
7.5°	665.1	650.3	635.6	624.3	612.9	602.2	591.6	583.2	574.8	567.9	561.0
10°	687.7	667.1	646.5	633.9	621.3	611.5	594.8	585.9	577.0	570.3	563.6
12.5°	710.4	684.4	658.5	640.1	621.9	608.2	601.2	597.1	593.0	588.1	583.3
15°	727.9	695.0	662.0	641.0	620.1	605.8	601.8	603.2	604.6	606.1	607.8
17.5°	742.8	700.0	657.1	632.5	607.9	593.9	600.4	605.1	609.8	616.9	624.1
20°	757.7	703.8	649.8	620.0	590.3	576.6	579.5	590.6	601.6	615.1	628.6
22.5°	762.4	698.4	634.4	600.8	567.2	553.6	565.3	578.9	592.5	606.6	620.7
25°	759.9	687.0	614.1	579.8	545.5	534.2	546.1	559.5	572.8	586.4	600.0
27.5°	774.4	689.8	605.2	567.2	529.1	516.9	528.4	539.6	550.9	562.8	574.8
30°	784.5	691.5	598.5	558.5	518.5	505.3	509.0	516.8	524.5	535.0	545.4
32.5°	784.3	683.5	582.7	545.2	507.7	495.7	499.4	502.6	505.9	513.3	520.8
35°	781.0	672.2	563.4	529.1	494.7	485.6	484.5	484.3	484.1	487.4	490.8
37.5°	772.5	655.5	538.4	505.6	472.8	466.2	463.7	461.6	459.5	461.7	463.8
40°	766.7	639.3	511.8	480.2	448.5	446.2	444.4	441.4	438.5	438.7	438.9
42.5°	762.4	625.8	489.2	458.8	428.4	424.1	419.4	417.9	416.5	415.7	414.9
45°	755.7	615.0	474.3	443.7	413.1	400.6	400.4	397.2	394.0	395.1	396.2
47.5°	744.0	603.8	463.5	435.8	408.2	388.3	381.0	379.3	377.6	379.4	381.2
50°	740.8	599.6	458.6	433.2	407.9	378.8	364.8	363.8	362.8	367.9	373.0
52.5°	731.1	589.3	447.5	428.0	408.3	379.4	360.5	357.9	355.2	362.7	370.2
55°	708.7	568.0	427.4	420.2	412.9	395.8	362.7	354.2	345.7	354.8	363.9
57.5°	657.1	536.2	415.3	410.8	406.2	406.5	369.1	352.9	336.7	345.7	354.6
60°	546.6	476.6	406.7	393.1	379.4	392.5	370.5	351.6	332.8	337.9	343.1
62.5°	442.0	408.9	375.7	364.8	353.9	369.3	361.4	345.4	329.4	328.8	328.2
65°	351.2	344.7	338.1	335.7	333.3	337.3	341.8	331.4	320.9	316.3	311.7
67.5°	266.2	272.1	278.0	289.6	301.1	302.7	313.2	307.5	301.7	298.2	294.6
70°	212.7	220.7	228.8	245.9	263.1	271.4	280.8	281.6	282.3	279.7	276.9
72.5°	173.3	180.3	187.3	206.7	226.1	244.3	254.4	254.4	254.4	253.2	251.9
75°	142.7	147.9	153.0	171.0	189.0	212.1	222.6	223.6	224.6	223.8	223.0
77.5°	116.8	119.3	121.8	138.2	154.5	181.6	192.6	195.0	197.5	196.5	195.5
80°	90.1	91.8	93.5	107.1	120.8	145.0	157.7	161.2	164.8	164.5	164.2
82.5°	66.5	67.5	68.5	78.8	89.2	106.5	120.1	125.7	131.2	135.3	139.3
85°	42.7	43.2	43.7	50.2	56.7	67.4	81.2	91.5	101.7	109.2	116.6
87.5°	18.0	17.4	16.8	20.2	23.4	29.2	46.1	56.5	66.9	70.7	74.6
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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	592.1	589.7	587.9	586.1	582.6	579.1	577.2	575.2	574.5	573.9	575.3
5°	568.8	564.9	560.7	556.6	553.4	550.1	547.6	545.1	544.0	543.0	543.3
7.5°	555.4	549.9	545.9	542.0	541.2	540.5	538.8	537.2	537.0	536.9	537.4
10°	558.5	553.5	550.7	547.9	547.0	546.1	546.1	546.0	547.6	549.3	550.7
12.5°	578.2	573.2	573.3	573.6	569.2	564.9	563.8	562.7	564.8	566.8	567.6
15°	606.4	605.0	600.1	595.1	589.9	584.7	583.1	581.3	581.2	581.0	580.3
17.5°	627.1	630.1	624.2	618.3	610.0	601.8	597.9	594.0	592.3	590.6	589.7
20°	633.6	638.6	632.9	627.3	618.0	608.8	602.6	596.5	595.6	594.8	594.7
22.5°	625.1	629.5	626.3	623.1	613.1	603.1	596.5	589.9	587.1	584.3	585.5
25°	606.1	612.3	611.6	610.9	600.5	590.1	582.8	575.5	574.2	572.8	572.4
27.5°	581.7	588.7	589.6	590.6	582.8	575.1	568.3	561.5	560.3	559.1	560.6
30°	552.5	559.7	562.2	564.6	559.7	554.8	550.1	545.5	545.8	546.0	548.3
32.5°	527.6	534.4	538.1	542.0	541.1	540.3	538.6	536.8	534.4	532.0	532.8
35°	497.0	503.2	510.5	517.8	518.8	519.7	520.4	521.1	521.1	521.1	523.0
37.5°	469.2	474.5	482.1	489.8	495.2	500.6	503.1	505.6	507.5	509.4	510.3
40°	443.8	448.6	455.8	462.9	473.0	483.1	488.6	494.2	494.5	494.7	493.5
42.5°	419.0	423.1	433.9	444.7	456.0	467.2	472.2	477.1	479.3	481.4	481.9
45°	401.4	406.5	415.9	425.3	438.2	451.1	457.2	463.4	464.5	465.6	465.3
47.5°	386.4	391.6	403.1	414.6	427.2	439.8	446.3	452.8	453.7	454.7	455.5
50°	378.9	384.9	394.9	404.8	418.2	431.6	440.5	449.5	449.2	448.9	446.5
52.5°	374.7	379.3	388.6	397.9	412.6	427.2	436.0	444.5	445.3	446.1	444.7
55°	369.4	374.9	385.2	395.5	408.6	421.6	430.0	438.3	439.2	440.1	437.5
57.5°	364.2	373.7	384.2	394.6	408.0	421.3	428.4	435.6	434.0	432.4	430.3
60°	356.8	370.5	380.3	390.1	402.5	414.9	419.8	424.7	422.8	420.9	416.4
62.5°	342.9	357.4	368.7	380.0	391.3	402.5	406.0	409.5	407.7	405.8	400.8
65°	324.6	337.5	349.5	361.5	370.8	380.1	384.4	388.6	385.6	382.5	377.6
67.5°	307.2	319.7	329.0	338.2	347.5	356.7	360.3	363.8	360.4	357.0	350.5
70°	286.2	295.4	307.3	319.1	324.3	329.4	331.4	333.3	330.1	326.9	322.7
72.5°	261.0	270.1	277.9	285.7	290.6	295.4	297.7	299.9	296.4	292.8	287.2
75°	230.8	238.6	245.8	252.9	258.2	263.4	264.7	266.1	261.6	257.1	251.3
77.5°	200.3	205.1	208.1	211.2	217.1	223.1	224.2	225.4	222.0	218.6	213.2
80°	166.4	168.7	169.5	170.3	174.7	179.1	180.3	181.5	179.9	178.2	173.7
82.5°	140.8	142.3	135.7	129.2	132.7	136.1	138.9	141.5	140.8	140.1	136.3
85°	112.2	107.9	90.9	74.0	80.7	87.4	91.9	96.3	97.1	97.8	95.2
87.5°	68.7	62.8	50.3	37.9	43.3	48.8	53.2	57.7	54.8	51.9	45.9
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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	576.7	578.6	576.7	575.3	573.9	574.5	575.2	577.2	579.1	582.6	586.1
5°	543.6	543.4	543.6	543.3	543.0	544.0	545.1	547.6	550.1	553.4	556.6
7.5°	537.8	535.7	537.8	537.4	536.9	537.0	537.2	538.8	540.5	541.2	542.0
10°	552.1	551.2	552.1	550.7	549.3	547.6	546.0	546.1	546.1	547.0	547.9
12.5°	568.4	566.7	568.4	567.6	566.8	564.8	562.7	563.8	564.9	569.2	573.6
15°	579.5	578.6	579.5	580.3	581.0	581.2	581.3	583.1	584.7	589.9	595.1
17.5°	588.9	590.0	588.9	589.7	590.6	592.3	594.0	597.9	601.8	610.0	618.3
20°	594.6	594.2	594.6	594.7	594.8	595.6	596.5	602.6	608.8	618.0	627.3
22.5°	586.7	590.6	586.7	585.5	584.3	587.1	589.9	596.5	603.1	613.1	623.1
25°	572.1	570.3	572.1	572.4	572.8	574.2	575.5	582.8	590.1	600.5	610.9
27.5°	562.1	563.1	562.1	560.6	559.1	560.3	561.5	568.3	575.1	582.8	590.6
30°	550.6	554.8	550.6	548.3	546.0	545.8	545.5	550.1	554.8	559.7	564.6
32.5°	533.6	536.9	533.6	532.8	532.0	534.4	536.8	538.6	540.3	541.1	542.0
35°	525.0	529.1	525.0	523.0	521.1	521.1	521.1	520.4	519.7	518.8	517.8
37.5°	511.1	511.2	511.1	510.3	509.4	507.5	505.6	503.1	500.6	495.2	489.8
40°	492.3	492.7	492.3	493.5	494.7	494.5	494.2	488.6	483.1	473.0	462.9
42.5°	482.5	483.8	482.5	481.9	481.4	479.3	477.1	472.2	467.2	456.0	444.7
45°	465.0	463.5	465.0	465.3	465.6	464.5	463.4	457.2	451.1	438.2	425.3
47.5°	456.2	457.5	456.2	455.5	454.7	453.7	452.8	446.3	439.8	427.2	414.6
50°	444.1	443.2	444.1	446.5	448.9	449.2	449.5	440.5	431.6	418.2	404.8
52.5°	443.3	443.8	443.3	444.7	446.1	445.3	444.5	436.0	427.2	412.6	397.9
55°	434.9	433.1	434.9	437.5	440.1	439.2	438.3	430.0	421.6	408.6	395.5
57.5°	428.3	428.9	428.3	430.3	432.4	434.0	435.6	428.4	421.3	408.0	394.6
60°	412.1	408.6	412.1	416.4	420.9	422.8	424.7	419.8	414.9	402.5	390.1
62.5°	395.8	389.5	395.8	400.8	405.8	407.7	409.5	406.0	402.5	391.3	380.0
65°	372.5	369.3	372.5	377.6	382.5	385.6	388.6	384.4	380.1	370.8	361.5
67.5°	343.9	338.8	343.9	350.5	357.0	360.4	363.8	360.3	356.7	347.5	338.2
70°	318.6	315.0	318.6	322.7	326.9	330.1	333.3	331.4	329.4	324.3	319.1
72.5°	281.6	278.0	281.6	287.2	292.8	296.4	299.9	297.7	295.4	290.6	285.7
75°	245.5	240.4	245.5	251.3	257.1	261.6	266.1	264.7	263.4	258.2	252.9
77.5°	207.7	202.8	207.7	213.2	218.6	222.0	225.4	224.2	223.1	217.1	211.2
80°	169.3	162.9	169.3	173.7	178.2	179.9	181.5	180.3	179.1	174.7	170.3
82.5°	132.6	127.1	132.6	136.3	140.1	140.8	141.5	138.9	136.1	132.7	129.2
85°	92.6	88.3	92.6	95.2	97.8	97.1	96.3	91.9	87.4	80.7	74.0
87.5°	40.0	33.4	40.0	45.9	51.9	54.8	57.7	53.2	48.8	43.3	37.9
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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	587.9	589.7	592.1	594.5	597.0	599.5	602.1	604.8	610.0	613.2	616.1
5°	560.7	564.9	568.8	572.7	578.9	585.1	592.2	599.4	605.8	612.6	620.3
7.5°	545.9	549.9	555.4	561.0	567.9	574.8	583.2	591.6	602.2	612.9	624.3
10°	550.7	553.5	558.5	563.6	570.3	577.0	585.9	594.8	611.5	621.3	633.9
12.5°	573.3	573.2	578.2	583.3	588.1	593.0	597.1	601.2	608.2	621.9	640.1
15°	600.1	605.0	606.4	607.8	606.1	604.6	603.2	601.8	605.8	620.1	641.0
17.5°	624.2	630.1	627.1	624.1	616.9	609.8	605.1	600.4	593.9	607.9	632.5
20°	632.9	638.6	633.6	628.6	615.1	601.6	590.6	579.5	576.6	590.3	620.0
22.5°	626.3	629.5	625.1	620.7	606.6	592.5	578.9	565.3	553.6	567.2	600.8
25°	611.6	612.3	606.1	600.0	586.4	572.8	559.5	546.1	534.2	545.5	579.8
27.5°	589.6	588.7	581.7	574.8	562.8	550.9	539.6	528.4	516.9	529.1	567.2
30°	562.2	559.7	552.5	545.4	535.0	524.5	516.8	509.0	505.3	518.5	558.5
32.5°	538.1	534.4	527.6	520.8	513.3	505.9	502.6	499.4	495.7	507.7	545.2
35°	510.5	503.2	497.0	490.8	487.4	484.1	484.3	484.5	485.6	494.7	529.1
37.5°	482.1	474.5	469.2	463.8	461.7	459.5	461.6	463.7	466.2	472.8	505.6
40°	455.8	448.6	443.8	438.9	438.7	438.5	441.4	444.4	446.2	448.5	480.2
42.5°	433.9	423.1	419.0	414.9	415.7	416.5	417.9	419.4	424.1	428.4	458.8
45°	415.9	406.5	401.4	396.2	395.1	394.0	397.2	400.4	400.6	413.1	443.7
47.5°	403.1	391.6	386.4	381.2	379.4	377.6	379.3	381.0	388.3	408.2	435.8
50°	394.9	384.9	378.9	373.0	367.9	362.8	363.8	364.8	378.8	407.9	433.2
52.5°	388.6	379.3	374.7	370.2	362.7	355.2	357.9	360.5	379.4	408.3	428.0
55°	385.2	374.9	369.4	363.9	354.8	345.7	354.2	362.7	395.8	412.9	420.2
57.5°	384.2	373.7	364.2	354.6	345.7	336.7	352.9	369.1	406.5	406.2	410.8
60°	380.3	370.5	356.8	343.1	337.9	332.8	351.6	370.5	392.5	379.4	393.1
62.5°	368.7	357.4	342.9	328.2	328.8	329.4	345.4	361.4	369.3	353.9	364.8
65°	349.5	337.5	324.6	311.7	316.3	320.9	331.4	341.8	337.3	333.3	335.7
67.5°	329.0	319.7	307.2	294.6	298.2	301.7	307.5	313.2	302.7	301.1	289.6
70°	307.3	295.4	286.2	276.9	279.7	282.3	281.6	280.8	271.4	263.1	245.9
72.5°	277.9	270.1	261.0	251.9	253.2	254.4	254.4	254.4	244.3	226.1	206.7
75°	245.8	238.6	230.8	223.0	223.8	224.6	223.6	222.6	212.1	189.0	171.0
77.5°	208.1	205.1	200.3	195.5	196.5	197.5	195.0	192.6	181.6	154.5	138.2
80°	169.5	168.7	166.4	164.2	164.5	164.8	161.2	157.7	145.0	120.8	107.1
82.5°	135.7	142.3	140.8	139.3	135.3	131.2	125.7	120.1	106.5	89.2	78.8
85°	90.9	107.9	112.2	116.6	109.2	101.7	91.5	81.2	67.4	56.7	50.2
87.5°	50.3	62.8	68.7	74.6	70.7	66.9	56.5	46.1	29.2	23.4	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: P1208048

CATALOG NUMBER: UPW-SA1-040-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	607.9	607.9	607.9	607.9	607.9	607.9	607.9
2.5°	618.9	622.8	626.8	629.1	631.3	631.9	633.5
5°	628.0	637.2	646.4	656.1	665.9	672.7	677.7
7.5°	635.6	650.3	665.1	680.7	696.3	715.2	737.6
10°	646.5	667.1	687.7	714.1	740.6	762.6	781.2
12.5°	658.5	684.4	710.4	742.3	774.3	805.4	834.0
15°	662.0	695.0	727.9	770.1	812.2	851.4	886.2
17.5°	657.1	700.0	742.8	792.7	842.6	892.8	943.7
20°	649.8	703.8	757.7	818.3	878.8	933.2	984.6
22.5°	634.4	698.4	762.4	832.5	902.6	961.1	1014.7
25°	614.1	687.0	759.9	841.4	923.0	991.4	1055.6
27.5°	605.2	689.8	774.4	866.2	958.0	1024.0	1081.8
30°	598.5	691.5	784.5	887.4	990.3	1060.5	1120.0
32.5°	582.7	683.5	784.3	901.1	1017.8	1094.4	1158.5
35°	563.4	672.2	781.0	913.7	1046.3	1127.1	1190.1
37.5°	538.4	655.5	772.5	923.4	1074.4	1170.3	1245.6
40°	511.8	639.3	766.7	945.6	1124.6	1240.0	1322.8
42.5°	489.2	625.8	762.4	966.8	1171.1	1316.4	1430.5
45°	474.3	615.0	755.7	995.7	1235.7	1439.8	1615.1
47.5°	463.5	603.8	744.0	1041.9	1339.7	1646.5	1924.1
50°	458.6	599.6	740.8	1123.4	1506.1	1942.3	2332.8
52.5°	447.5	589.3	731.1	1185.9	1640.8	2200.3	2708.6
55°	427.4	568.0	708.7	1202.3	1695.8	2373.6	3034.6
57.5°	415.3	536.2	657.1	1125.7	1594.4	2398.9	3269.6
60°	406.7	476.6	546.6	959.1	1371.6	2249.7	3229.4
62.5°	375.7	408.9	442.0	797.0	1152.0	2002.8	2966.9
65°	338.1	344.7	351.2	648.4	945.6	1728.8	2640.6
67.5°	278.0	272.1	266.2	510.2	754.1	1440.5	2265.4
70°	228.8	220.7	212.7	396.3	580.0	1180.4	1942.6
72.5°	187.3	180.3	173.3	299.0	424.7	910.8	1557.6
75°	153.0	147.9	142.7	221.1	299.5	655.5	1146.0
77.5°	121.8	119.3	116.8	162.9	208.9	451.5	794.6
80°	93.5	91.8	90.1	112.4	134.8	259.9	438.2
82.5°	68.5	67.5	66.5	75.7	84.8	138.6	216.8
85°	43.7	43.2	42.7	45.1	47.6	62.6	85.3
87.5°	16.8	17.4	18.0	19.0	19.8	23.9	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)