

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: P1207778

Luminaire Tested: UPW-SA1-030-727-U-SLL

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-727-U-SLL  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3998 lumens  
Efficiency: N/A  
Efficacy: 117.6 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

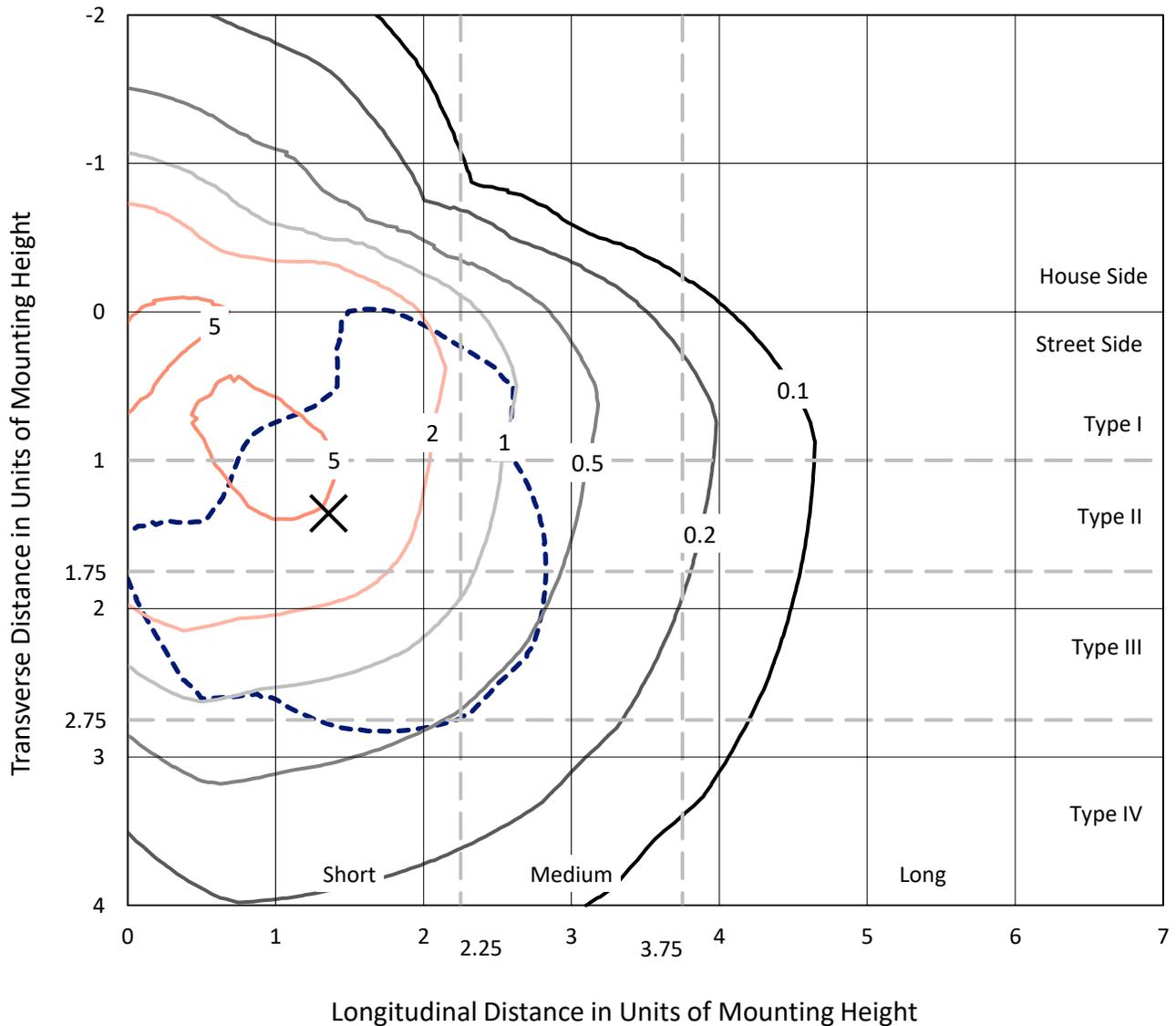


REPORT NUMBER: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

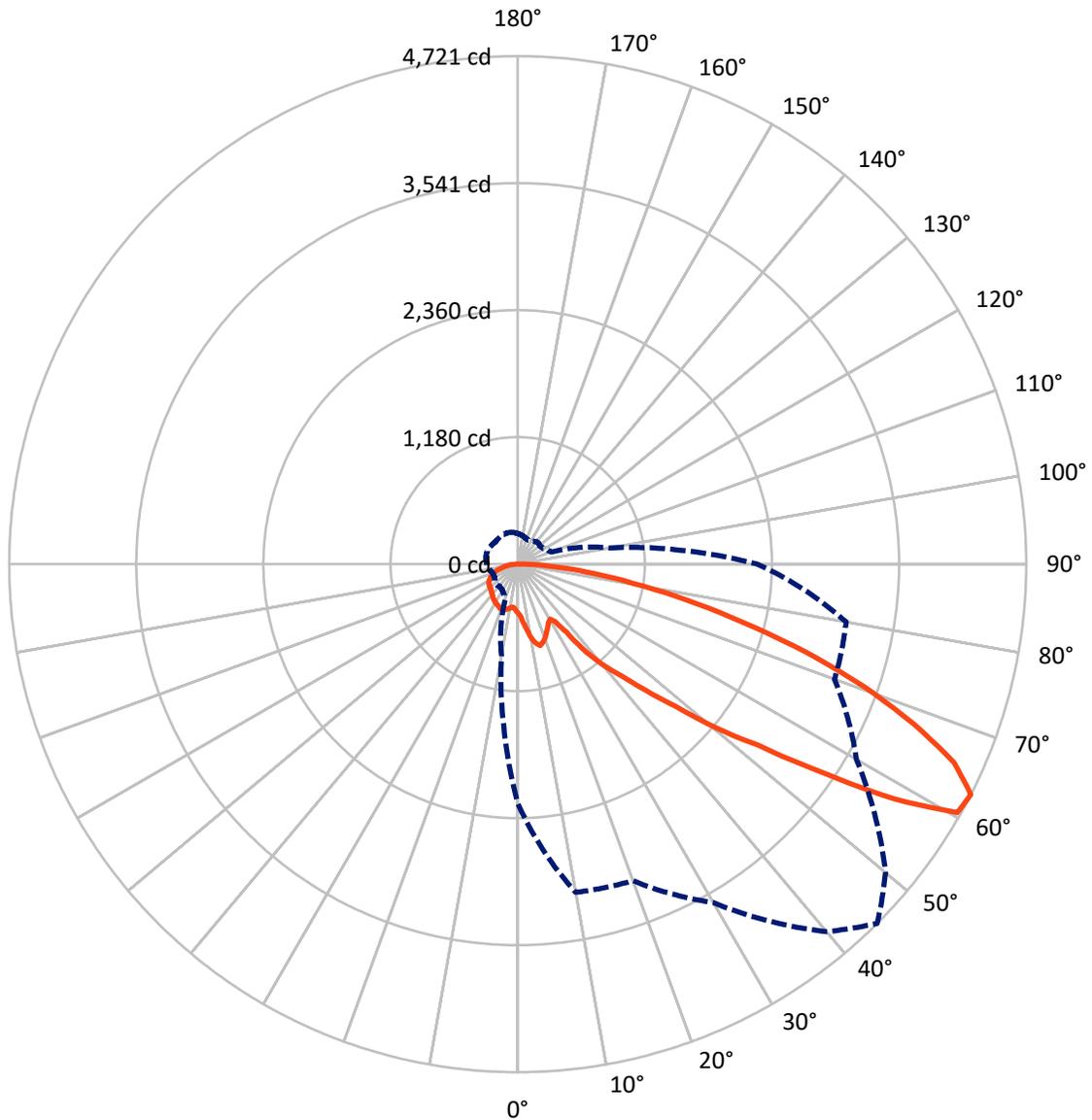


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	979.8	0.0	979.8
	% Fixture	24.5	0.0	24.5
<b>Street Side</b>	Lumens	3018.2	0.0	3018.2
	% Fixture	75.5	0.0	75.5
<b>Total</b>	Lumens	3998.0	0.0	3998.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.5	1.1
10°-20°	153.4	3.8
20°-30°	249.5	6.2
30°-40°	340.3	8.5
40°-50°	515.2	12.9
50°-60°	885.9	22.2
60°-70°	1039.0	26.0
70°-80°	619.7	15.5
80°-90°	149.7	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°	3998.0	100.0
0°-180°	3998.0	100.0



REPORT NUMBER: P1207778

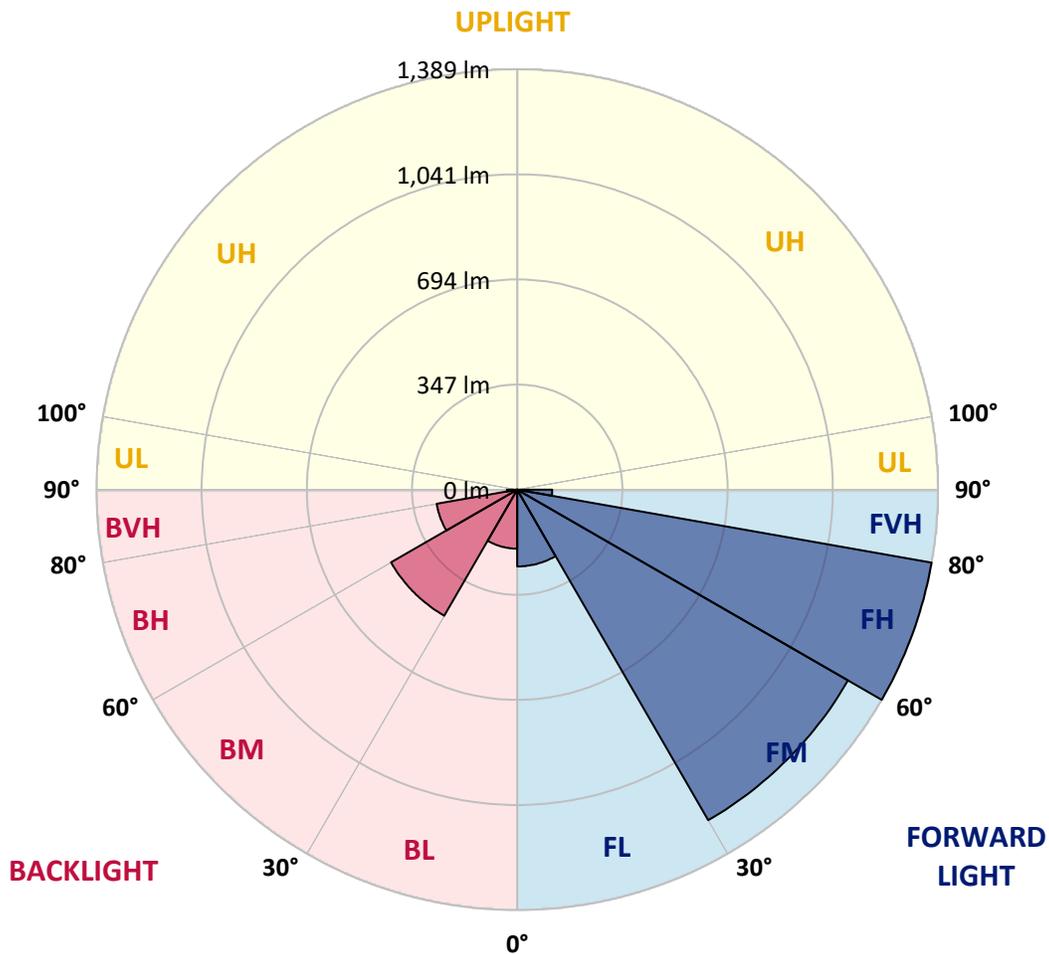
CATALOG NUMBER: UPW-SA1-030-727-U-SLL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.4	6.3			
FM	(30°-60°)	1260.5	31.5			
FH	(60°-80°)	1388.6	34.7			G1/1800
FVH	(80°-90°)	115.7	2.9			G2/225
BL	(0°-30°)	194.9	4.9	B1/500		
BM	(30°-60°)	480.9	12.0	B1/1000		
BH	(60°-80°)	270.0	6.8	B1/500		G1/500
BVH	(80°-90°)	34.0	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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	474.5	476.5	478.5	479.4	480.2	481.0	481.9	482.5	483.2	481.6	483.2
5°	507.6	513.8	520.1	525.5	530.9	535.0	539.1	541.1	543.1	546.4	543.1
7.5°	552.5	561.0	569.6	581.3	593.1	601.1	609.1	612.6	616.0	617.0	616.0
10°	585.1	607.0	628.9	641.9	654.9	664.4	674.0	682.2	690.4	699.7	690.4
12.5°	624.6	649.5	674.4	693.2	712.0	724.0	736.1	744.2	752.3	755.1	752.3
15°	663.7	690.9	718.1	735.7	753.3	762.7	772.1	776.1	780.1	785.0	780.1
17.5°	706.8	727.2	747.6	759.2	770.8	771.2	771.6	766.6	761.5	760.4	761.5
20°	737.4	754.3	771.2	771.4	771.6	761.6	751.5	742.7	734.0	730.1	734.0
22.5°	760.0	771.6	783.1	771.2	759.3	737.0	714.6	702.0	689.3	685.8	689.3
25°	790.6	792.4	794.2	769.9	745.7	714.5	683.4	667.1	650.8	647.0	650.8
27.5°	810.3	804.6	799.0	762.2	725.4	688.8	652.2	633.7	615.1	609.9	615.1
30°	838.9	818.4	798.0	750.6	703.2	666.3	629.5	614.0	598.5	593.8	598.5
32.5°	867.7	833.6	799.5	748.7	697.9	672.2	646.6	642.4	638.2	634.9	638.2
35°	891.3	853.1	814.9	776.6	738.3	742.2	746.1	759.9	773.7	773.4	773.7
37.5°	932.9	893.8	854.6	848.3	842.0	891.3	940.7	980.3	1019.9	1040.6	1019.9
40°	990.8	963.3	935.8	958.7	981.6	1050.2	1118.9	1165.8	1212.7	1247.0	1212.7
42.5°	1071.4	1055.8	1040.1	1068.8	1097.4	1172.7	1248.0	1312.0	1375.8	1423.9	1375.8
45°	1209.7	1193.6	1177.4	1191.1	1204.6	1298.9	1393.2	1493.4	1593.5	1678.1	1593.5
47.5°	1441.1	1403.6	1366.1	1354.6	1343.1	1470.2	1597.2	1743.6	1890.0	1977.1	1890.0
50°	1747.2	1688.5	1629.9	1576.4	1522.9	1702.1	1881.3	2094.6	2307.8	2397.5	2307.8
52.5°	2028.7	1974.8	1921.0	1826.9	1732.9	1945.0	2157.1	2434.0	2710.9	2796.9	2710.9
55°	2272.8	2295.3	2317.9	2190.6	2063.4	2298.7	2534.0	2888.7	3243.3	3395.2	3243.3
57.5°	2448.9	2649.1	2849.4	2713.4	2577.5	2797.1	3016.7	3438.3	3860.0	4114.1	3860.0
60°	2418.7	2820.1	3221.5	3161.1	3100.7	3288.4	3476.0	3933.5	4390.9	4687.7	4390.9
62.5°	2222.1	2658.9	3095.8	3112.8	3129.9	3380.5	3631.1	4044.6	4458.2	4720.8	4458.2
65°	1977.7	2388.9	2800.0	2825.3	2850.5	3140.3	3430.0	3835.7	4241.3	4453.2	4241.3
67.5°	1696.7	2124.3	2551.8	2567.1	2582.4	2847.2	3112.0	3477.1	3842.2	3963.9	3842.2
70°	1455.0	1862.3	2269.6	2303.0	2336.4	2567.6	2798.8	3069.1	3339.5	3409.0	3339.5
72.5°	1166.6	1576.2	1985.9	2036.9	2087.9	2257.4	2426.7	2615.8	2804.8	2798.3	2804.8
75°	858.3	1242.2	1626.1	1696.7	1767.3	1871.2	1975.0	2074.9	2174.7	2146.4	2174.7
77.5°	595.1	905.6	1216.1	1290.8	1365.6	1438.9	1512.2	1582.5	1652.9	1608.4	1652.9
80°	328.2	549.4	770.6	854.8	938.9	1015.5	1092.0	1128.4	1164.7	1089.7	1164.7
82.5°	162.4	285.9	409.5	493.2	576.9	654.5	732.1	754.8	777.5	705.9	777.5
85°	63.9	125.9	187.9	250.4	312.8	374.0	435.1	437.4	439.8	388.3	439.8
87.5°	23.0	48.3	73.7	105.9	138.1	170.9	203.7	202.6	201.4	166.2	201.4
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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	482.5	481.9	481.0	480.2	479.4	478.5	476.5	474.5	473.2	472.8	471.1
5°	541.1	539.1	535.0	530.9	525.5	520.1	513.8	507.6	503.8	498.7	491.4
7.5°	612.6	609.1	601.1	593.1	581.3	569.6	561.0	552.5	535.7	521.5	509.8
10°	682.2	674.0	664.4	654.9	641.9	628.9	607.0	585.1	571.2	554.7	534.9
12.5°	744.2	736.1	724.0	712.0	693.2	674.4	649.5	624.6	603.2	579.9	556.0
15°	776.1	772.1	762.7	753.3	735.7	718.1	690.9	663.7	637.7	608.3	576.8
17.5°	766.6	771.6	771.2	770.8	759.2	747.6	727.2	706.8	668.7	631.1	593.7
20°	742.7	751.5	761.6	771.6	771.4	771.2	754.3	737.4	699.0	658.2	612.9
22.5°	702.0	714.6	737.0	759.3	771.2	783.1	771.6	760.0	719.8	676.0	623.5
25°	667.1	683.4	714.5	745.7	769.9	794.2	792.4	790.6	742.5	691.3	630.2
27.5°	633.7	652.2	688.8	725.4	762.2	799.0	804.6	810.3	767.0	717.5	648.8
30°	614.0	629.5	666.3	703.2	750.6	798.0	818.4	838.9	794.3	741.7	664.6
32.5°	642.4	646.6	672.2	697.9	748.7	799.5	833.6	867.7	819.6	762.3	674.9
35°	759.9	746.1	742.2	738.3	776.6	814.9	853.1	891.3	844.2	783.7	684.3
37.5°	980.3	940.7	891.3	842.0	848.3	854.6	893.8	932.9	876.5	804.7	691.6
40°	1165.8	1118.9	1050.2	981.6	958.7	935.8	963.3	990.8	928.7	842.3	708.3
42.5°	1312.0	1248.0	1172.7	1097.4	1068.8	1040.1	1055.8	1071.4	985.9	877.1	724.1
45°	1493.4	1393.2	1298.9	1204.6	1191.1	1177.4	1193.6	1209.7	1078.4	925.5	745.7
47.5°	1743.6	1597.2	1470.2	1343.1	1354.6	1366.1	1403.6	1441.1	1233.2	1003.4	780.3
50°	2094.6	1881.3	1702.1	1522.9	1576.4	1629.9	1688.5	1747.2	1454.8	1128.1	841.4
52.5°	2434.0	2157.1	1945.0	1732.9	1826.9	1921.0	1974.8	2028.7	1648.0	1228.9	888.2
55°	2888.7	2534.0	2298.7	2063.4	2190.6	2317.9	2295.3	2272.8	1777.8	1270.1	900.5
57.5°	3438.3	3016.7	2797.1	2577.5	2713.4	2849.4	2649.1	2448.9	1796.7	1194.2	843.1
60°	3933.5	3476.0	3288.4	3100.7	3161.1	3221.5	2820.1	2418.7	1684.9	1027.3	718.4
62.5°	4044.6	3631.1	3380.5	3129.9	3112.8	3095.8	2658.9	2222.1	1500.1	862.8	597.0
65°	3835.7	3430.0	3140.3	2850.5	2825.3	2800.0	2388.9	1977.7	1294.8	708.3	485.7
67.5°	3477.1	3112.0	2847.2	2582.4	2567.1	2551.8	2124.3	1696.7	1078.9	564.8	382.1
70°	3069.1	2798.8	2567.6	2336.4	2303.0	2269.6	1862.3	1455.0	884.1	434.4	296.8
72.5°	2615.8	2426.7	2257.4	2087.9	2036.9	1985.9	1576.2	1166.6	682.2	318.1	223.9
75°	2074.9	1975.0	1871.2	1767.3	1696.7	1626.1	1242.2	858.3	490.9	224.3	165.6
77.5°	1582.5	1512.2	1438.9	1365.6	1290.8	1216.1	905.6	595.1	338.1	156.5	122.0
80°	1128.4	1092.0	1015.5	938.9	854.8	770.6	549.4	328.2	194.6	101.0	84.2
82.5°	754.8	732.1	654.5	576.9	493.2	409.5	285.9	162.4	103.8	63.5	56.7
85°	437.4	435.1	374.0	312.8	250.4	187.9	125.9	63.9	46.9	35.7	33.8
87.5°	202.6	203.7	170.9	138.1	105.9	73.7	48.3	23.0	17.9	14.8	14.2
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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	469.5	466.5	463.5	461.4	459.3	456.8	453.0	451.0	449.0	447.1	445.2
5°	484.1	477.2	470.4	464.6	458.9	453.7	448.9	443.6	438.2	433.6	428.9
7.5°	498.2	487.1	476.1	467.6	459.1	451.0	443.1	436.8	430.5	425.3	420.2
10°	515.1	499.6	484.2	474.8	465.3	458.0	445.5	438.8	432.1	427.1	422.1
12.5°	532.0	512.6	493.2	479.5	465.8	455.5	450.3	447.2	444.1	440.5	436.9
15°	545.2	520.5	495.8	480.1	464.4	453.7	450.7	451.8	452.8	454.0	455.2
17.5°	556.3	524.3	492.1	473.7	455.3	444.8	449.7	453.2	456.7	462.1	467.4
20°	567.5	527.1	486.6	464.4	442.1	431.8	434.0	442.3	450.6	460.7	470.8
22.5°	571.0	523.1	475.2	450.0	424.8	414.6	423.4	433.6	443.8	454.3	464.9
25°	569.1	514.5	460.0	434.3	408.6	400.1	409.0	419.0	429.0	439.2	449.4
27.5°	580.0	516.7	453.3	424.8	396.3	387.1	395.8	404.2	412.6	421.5	430.5
30°	587.5	517.9	448.2	418.3	388.4	378.4	381.2	387.1	392.8	400.7	408.5
32.5°	587.4	511.9	436.4	408.3	380.2	371.3	374.1	376.5	378.9	384.5	390.0
35°	584.9	503.5	422.0	396.3	370.5	363.7	362.8	362.7	362.6	365.1	367.6
37.5°	578.6	490.9	403.2	378.7	354.1	349.2	347.3	345.7	344.1	345.8	347.4
40°	574.2	478.8	383.3	359.6	335.9	334.2	332.9	330.6	328.4	328.6	328.7
42.5°	571.0	468.7	366.4	343.6	320.9	317.7	314.1	313.0	311.9	311.4	310.7
45°	566.0	460.6	355.2	332.3	309.4	300.0	299.9	297.5	295.1	296.0	296.8
47.5°	557.2	452.2	347.2	326.4	305.7	290.9	285.3	284.1	282.8	284.2	285.5
50°	554.8	449.1	343.5	324.5	305.5	283.7	273.3	272.5	271.7	275.6	279.3
52.5°	547.5	441.4	335.2	320.5	305.8	284.2	270.0	268.0	266.1	271.6	277.2
55°	530.8	425.4	320.1	314.7	309.3	296.4	271.6	265.3	258.9	265.8	272.5
57.5°	492.1	401.6	311.1	307.7	304.3	304.5	276.5	264.3	252.2	258.9	265.6
60°	409.4	357.0	304.6	294.4	284.2	294.0	277.5	263.3	249.2	253.1	257.0
62.5°	331.1	306.2	281.4	273.2	265.0	276.6	270.7	258.7	246.7	246.3	245.8
65°	263.1	258.2	253.2	251.5	249.7	252.7	256.0	248.2	240.4	236.9	233.4
67.5°	199.4	203.8	208.2	216.9	225.5	226.7	234.6	230.3	226.0	223.3	220.6
70°	159.3	165.3	171.3	184.2	197.0	203.3	210.3	210.9	211.4	209.5	207.4
72.5°	129.8	135.0	140.3	154.8	169.3	183.0	190.5	190.5	190.6	189.6	188.6
75°	106.9	110.8	114.6	128.1	141.5	158.8	166.7	167.5	168.2	167.6	167.0
77.5°	87.5	89.4	91.2	103.5	115.7	136.0	144.2	146.1	147.9	147.2	146.5
80°	67.5	68.8	70.1	80.2	90.5	108.6	118.1	120.8	123.4	123.2	123.0
82.5°	49.8	50.5	51.3	59.0	66.8	79.8	90.0	94.1	98.3	101.3	104.3
85°	31.9	32.3	32.7	37.6	42.4	50.5	60.9	68.5	76.2	81.8	87.3
87.5°	13.5	13.0	12.6	15.1	17.5	21.9	34.5	42.3	50.1	53.0	55.8
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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	443.4	441.7	440.3	439.0	436.3	433.7	432.3	430.8	430.3	429.8	430.9
5°	426.0	423.1	420.0	416.9	414.4	412.0	410.2	408.3	407.5	406.7	406.9
7.5°	416.0	411.9	408.9	405.9	405.3	404.8	403.5	402.3	402.2	402.1	402.5
10°	418.3	414.5	412.4	410.4	409.7	409.0	409.0	408.9	410.2	411.4	412.4
12.5°	433.0	429.3	429.4	429.6	426.3	423.1	422.3	421.4	423.0	424.5	425.1
15°	454.2	453.1	449.4	445.7	441.8	437.9	436.7	435.4	435.3	435.2	434.6
17.5°	469.7	471.9	467.5	463.1	456.9	450.7	447.8	444.9	443.6	442.3	441.7
20°	474.5	478.3	474.0	469.8	462.9	456.0	451.3	446.8	446.1	445.5	445.4
22.5°	468.2	471.5	469.1	466.7	459.2	451.7	446.7	441.8	439.7	437.6	438.5
25°	454.0	458.6	458.1	457.5	449.7	442.0	436.5	431.1	430.0	429.0	428.7
27.5°	435.7	440.9	441.6	442.3	436.5	430.7	425.6	420.5	419.6	418.7	419.9
30°	413.8	419.2	421.1	422.9	419.2	415.5	412.0	408.6	408.8	408.9	410.6
32.5°	395.1	400.2	403.1	405.9	405.3	404.7	403.4	402.0	400.2	398.4	399.0
35°	372.2	376.9	382.4	387.8	388.5	389.2	389.8	390.3	390.3	390.3	391.7
37.5°	351.4	355.4	361.1	366.8	370.9	374.9	376.8	378.7	380.1	381.6	382.2
40°	332.4	336.0	341.3	346.7	354.3	361.8	366.0	370.2	370.3	370.5	369.6
42.5°	313.8	316.9	325.0	333.1	341.5	349.9	353.6	357.3	359.0	360.6	361.0
45°	300.6	304.5	311.5	318.6	328.2	337.9	342.5	347.1	347.9	348.7	348.5
47.5°	289.4	293.3	301.9	310.5	319.9	329.4	334.2	339.1	339.8	340.5	341.1
50°	283.8	288.3	295.7	303.1	313.2	323.3	330.0	336.7	336.4	336.2	334.4
52.5°	280.6	284.1	291.0	298.0	309.0	320.0	326.5	332.9	333.5	334.1	333.1
55°	276.7	280.8	288.5	296.2	306.0	315.8	322.0	328.3	328.9	329.6	327.7
57.5°	272.8	279.9	287.7	295.6	305.6	315.5	320.9	326.2	325.0	323.8	322.3
60°	267.2	277.5	284.8	292.2	301.5	310.7	314.5	318.1	316.7	315.2	311.9
62.5°	256.8	267.7	276.2	284.6	293.1	301.5	304.1	306.7	305.3	303.9	300.2
65°	243.1	252.8	261.8	270.8	277.7	284.7	287.9	291.1	288.8	286.5	282.8
67.5°	230.1	239.5	246.4	253.3	260.3	267.2	269.8	272.5	269.9	267.4	262.5
70°	214.4	221.3	230.1	239.0	242.9	246.7	248.2	249.7	247.3	244.8	241.7
72.5°	195.5	202.3	208.2	214.0	217.6	221.3	222.9	224.6	222.0	219.3	215.1
75°	172.9	178.7	184.1	189.4	193.4	197.3	198.3	199.3	195.9	192.6	188.2
77.5°	150.0	153.6	155.9	158.2	162.6	167.1	167.9	168.8	166.3	163.7	159.7
80°	124.7	126.4	126.9	127.6	130.9	134.1	135.0	135.9	134.7	133.5	130.1
82.5°	105.4	106.6	101.6	96.7	99.4	102.0	104.0	106.0	105.4	104.9	102.1
85°	84.0	80.8	68.1	55.4	60.4	65.5	68.8	72.2	72.7	73.3	71.3
87.5°	51.4	47.0	37.7	28.4	32.4	36.5	39.9	43.2	41.1	38.9	34.4
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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	432.0	433.4	432.0	430.9	429.8	430.3	430.8	432.3	433.7	436.3	439.0
5°	407.1	407.0	407.1	406.9	406.7	407.5	408.3	410.2	412.0	414.4	416.9
7.5°	402.8	401.2	402.8	402.5	402.1	402.2	402.3	403.5	404.8	405.3	405.9
10°	413.5	412.8	413.5	412.4	411.4	410.2	408.9	409.0	409.0	409.7	410.4
12.5°	425.7	424.5	425.7	425.1	424.5	423.0	421.4	422.3	423.1	426.3	429.6
15°	434.1	433.4	434.1	434.6	435.2	435.3	435.4	436.7	437.9	441.8	445.7
17.5°	441.1	441.9	441.1	441.7	442.3	443.6	444.9	447.8	450.7	456.9	463.1
20°	445.4	445.0	445.4	445.4	445.5	446.1	446.8	451.3	456.0	462.9	469.8
22.5°	439.4	442.3	439.4	438.5	437.6	439.7	441.8	446.7	451.7	459.2	466.7
25°	428.5	427.1	428.5	428.7	429.0	430.0	431.1	436.5	442.0	449.7	457.5
27.5°	421.0	421.8	421.0	419.9	418.7	419.6	420.5	425.6	430.7	436.5	442.3
30°	412.4	415.5	412.4	410.6	408.9	408.8	408.6	412.0	415.5	419.2	422.9
32.5°	399.7	402.1	399.7	399.0	398.4	400.2	402.0	403.4	404.7	405.3	405.9
35°	393.2	396.3	393.2	391.7	390.3	390.3	390.3	389.8	389.2	388.5	387.8
37.5°	382.8	382.9	382.8	382.2	381.6	380.1	378.7	376.8	374.9	370.9	366.8
40°	368.7	369.0	368.7	369.6	370.5	370.3	370.2	366.0	361.8	354.3	346.7
42.5°	361.4	362.3	361.4	361.0	360.6	359.0	357.3	353.6	349.9	341.5	333.1
45°	348.3	347.2	348.3	348.5	348.7	347.9	347.1	342.5	337.9	328.2	318.6
47.5°	341.7	342.7	341.7	341.1	340.5	339.8	339.1	334.2	329.4	319.9	310.5
50°	332.6	332.0	332.6	334.4	336.2	336.4	336.7	330.0	323.3	313.2	303.1
52.5°	332.1	332.4	332.1	333.1	334.1	333.5	332.9	326.5	320.0	309.0	298.0
55°	325.7	324.4	325.7	327.7	329.6	328.9	328.3	322.0	315.8	306.0	296.2
57.5°	320.8	321.2	320.8	322.3	323.8	325.0	326.2	320.9	315.5	305.6	295.6
60°	308.6	306.1	308.6	311.9	315.2	316.7	318.1	314.5	310.7	301.5	292.2
62.5°	296.4	291.8	296.4	300.2	303.9	305.3	306.7	304.1	301.5	293.1	284.6
65°	279.0	276.6	279.0	282.8	286.5	288.8	291.1	287.9	284.7	277.7	270.8
67.5°	257.6	253.8	257.6	262.5	267.4	269.9	272.5	269.8	267.2	260.3	253.3
70°	238.6	235.9	238.6	241.7	244.8	247.3	249.7	248.2	246.7	242.9	239.0
72.5°	210.9	208.2	210.9	215.1	219.3	222.0	224.6	222.9	221.3	217.6	214.0
75°	183.9	180.1	183.9	188.2	192.6	195.9	199.3	198.3	197.3	193.4	189.4
77.5°	155.6	151.9	155.6	159.7	163.7	166.3	168.8	167.9	167.1	162.6	158.2
80°	126.8	122.0	126.8	130.1	133.5	134.7	135.9	135.0	134.1	130.9	127.6
82.5°	99.3	95.2	99.3	102.1	104.9	105.4	106.0	104.0	102.0	99.4	96.7
85°	69.3	66.1	69.3	71.3	73.3	72.7	72.2	68.8	65.5	60.4	55.4
87.5°	29.9	25.0	29.9	34.4	38.9	41.1	43.2	39.9	36.5	32.4	28.4
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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	440.3	441.7	443.4	445.2	447.1	449.0	451.0	453.0	456.8	459.3	461.4
5°	420.0	423.1	426.0	428.9	433.6	438.2	443.6	448.9	453.7	458.9	464.6
7.5°	408.9	411.9	416.0	420.2	425.3	430.5	436.8	443.1	451.0	459.1	467.6
10°	412.4	414.5	418.3	422.1	427.1	432.1	438.8	445.5	458.0	465.3	474.8
12.5°	429.4	429.3	433.0	436.9	440.5	444.1	447.2	450.3	455.5	465.8	479.5
15°	449.4	453.1	454.2	455.2	454.0	452.8	451.8	450.7	453.7	464.4	480.1
17.5°	467.5	471.9	469.7	467.4	462.1	456.7	453.2	449.7	444.8	455.3	473.7
20°	474.0	478.3	474.5	470.8	460.7	450.6	442.3	434.0	431.8	442.1	464.4
22.5°	469.1	471.5	468.2	464.9	454.3	443.8	433.6	423.4	414.6	424.8	450.0
25°	458.1	458.6	454.0	449.4	439.2	429.0	419.0	409.0	400.1	408.6	434.3
27.5°	441.6	440.9	435.7	430.5	421.5	412.6	404.2	395.8	387.1	396.3	424.8
30°	421.1	419.2	413.8	408.5	400.7	392.8	387.1	381.2	378.4	388.4	418.3
32.5°	403.1	400.2	395.1	390.0	384.5	378.9	376.5	374.1	371.3	380.2	408.3
35°	382.4	376.9	372.2	367.6	365.1	362.6	362.7	362.8	363.7	370.5	396.3
37.5°	361.1	355.4	351.4	347.4	345.8	344.1	345.7	347.3	349.2	354.1	378.7
40°	341.3	336.0	332.4	328.7	328.6	328.4	330.6	332.9	334.2	335.9	359.6
42.5°	325.0	316.9	313.8	310.7	311.4	311.9	313.0	314.1	317.7	320.9	343.6
45°	311.5	304.5	300.6	296.8	296.0	295.1	297.5	299.9	300.0	309.4	332.3
47.5°	301.9	293.3	289.4	285.5	284.2	282.8	284.1	285.3	290.9	305.7	326.4
50°	295.7	288.3	283.8	279.3	275.6	271.7	272.5	273.3	283.7	305.5	324.5
52.5°	291.0	284.1	280.6	277.2	271.6	266.1	268.0	270.0	284.2	305.8	320.5
55°	288.5	280.8	276.7	272.5	265.8	258.9	265.3	271.6	296.4	309.3	314.7
57.5°	287.7	279.9	272.8	265.6	258.9	252.2	264.3	276.5	304.5	304.3	307.7
60°	284.8	277.5	267.2	257.0	253.1	249.2	263.3	277.5	294.0	284.2	294.4
62.5°	276.2	267.7	256.8	245.8	246.3	246.7	258.7	270.7	276.6	265.0	273.2
65°	261.8	252.8	243.1	233.4	236.9	240.4	248.2	256.0	252.7	249.7	251.5
67.5°	246.4	239.5	230.1	220.6	223.3	226.0	230.3	234.6	226.7	225.5	216.9
70°	230.1	221.3	214.4	207.4	209.5	211.4	210.9	210.3	203.3	197.0	184.2
72.5°	208.2	202.3	195.5	188.6	189.6	190.6	190.5	190.5	183.0	169.3	154.8
75°	184.1	178.7	172.9	167.0	167.6	168.2	167.5	166.7	158.8	141.5	128.1
77.5°	155.9	153.6	150.0	146.5	147.2	147.9	146.1	144.2	136.0	115.7	103.5
80°	126.9	126.4	124.7	123.0	123.2	123.4	120.8	118.1	108.6	90.5	80.2
82.5°	101.6	106.6	105.4	104.3	101.3	98.3	94.1	90.0	79.8	66.8	59.0
85°	68.1	80.8	84.0	87.3	81.8	76.2	68.5	60.9	50.5	42.4	37.6
87.5°	37.7	47.0	51.4	55.8	53.0	50.1	42.3	34.5	21.9	17.5	15.1
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: P1207778

CATALOG NUMBER: UPW-SA1-030-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	455.3	455.3	455.3	455.3	455.3	455.3	455.3
2.5°	463.5	466.5	469.5	471.1	472.8	473.2	474.5
5°	470.4	477.2	484.1	491.4	498.7	503.8	507.6
7.5°	476.1	487.1	498.2	509.8	521.5	535.7	552.5
10°	484.2	499.6	515.1	534.9	554.7	571.2	585.1
12.5°	493.2	512.6	532.0	556.0	579.9	603.2	624.6
15°	495.8	520.5	545.2	576.8	608.3	637.7	663.7
17.5°	492.1	524.3	556.3	593.7	631.1	668.7	706.8
20°	486.6	527.1	567.5	612.9	658.2	699.0	737.4
22.5°	475.2	523.1	571.0	623.5	676.0	719.8	760.0
25°	460.0	514.5	569.1	630.2	691.3	742.5	790.6
27.5°	453.3	516.7	580.0	648.8	717.5	767.0	810.3
30°	448.2	517.9	587.5	664.6	741.7	794.3	838.9
32.5°	436.4	511.9	587.4	674.9	762.3	819.6	867.7
35°	422.0	503.5	584.9	684.3	783.7	844.2	891.3
37.5°	403.2	490.9	578.6	691.6	804.7	876.5	932.9
40°	383.3	478.8	574.2	708.3	842.3	928.7	990.8
42.5°	366.4	468.7	571.0	724.1	877.1	985.9	1071.4
45°	355.2	460.6	566.0	745.7	925.5	1078.4	1209.7
47.5°	347.2	452.2	557.2	780.3	1003.4	1233.2	1441.1
50°	343.5	449.1	554.8	841.4	1128.1	1454.8	1747.2
52.5°	335.2	441.4	547.5	888.2	1228.9	1648.0	2028.7
55°	320.1	425.4	530.8	900.5	1270.1	1777.8	2272.8
57.5°	311.1	401.6	492.1	843.1	1194.2	1796.7	2448.9
60°	304.6	357.0	409.4	718.4	1027.3	1684.9	2418.7
62.5°	281.4	306.2	331.1	597.0	862.8	1500.1	2222.1
65°	253.2	258.2	263.1	485.7	708.3	1294.8	1977.7
67.5°	208.2	203.8	199.4	382.1	564.8	1078.9	1696.7
70°	171.3	165.3	159.3	296.8	434.4	884.1	1455.0
72.5°	140.3	135.0	129.8	223.9	318.1	682.2	1166.6
75°	114.6	110.8	106.9	165.6	224.3	490.9	858.3
77.5°	91.2	89.4	87.5	122.0	156.5	338.1	595.1
80°	70.1	68.8	67.5	84.2	101.0	194.6	328.2
82.5°	51.3	50.5	49.8	56.7	63.5	103.8	162.4
85°	32.7	32.3	31.9	33.8	35.7	46.9	63.9
87.5°	12.6	13.0	13.5	14.2	14.8	17.9	23.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)