

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: P1208021

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

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208021
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-SA1-040-727-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 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: 4902 lumens
Efficiency: N/A
Efficacy: 111.4 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

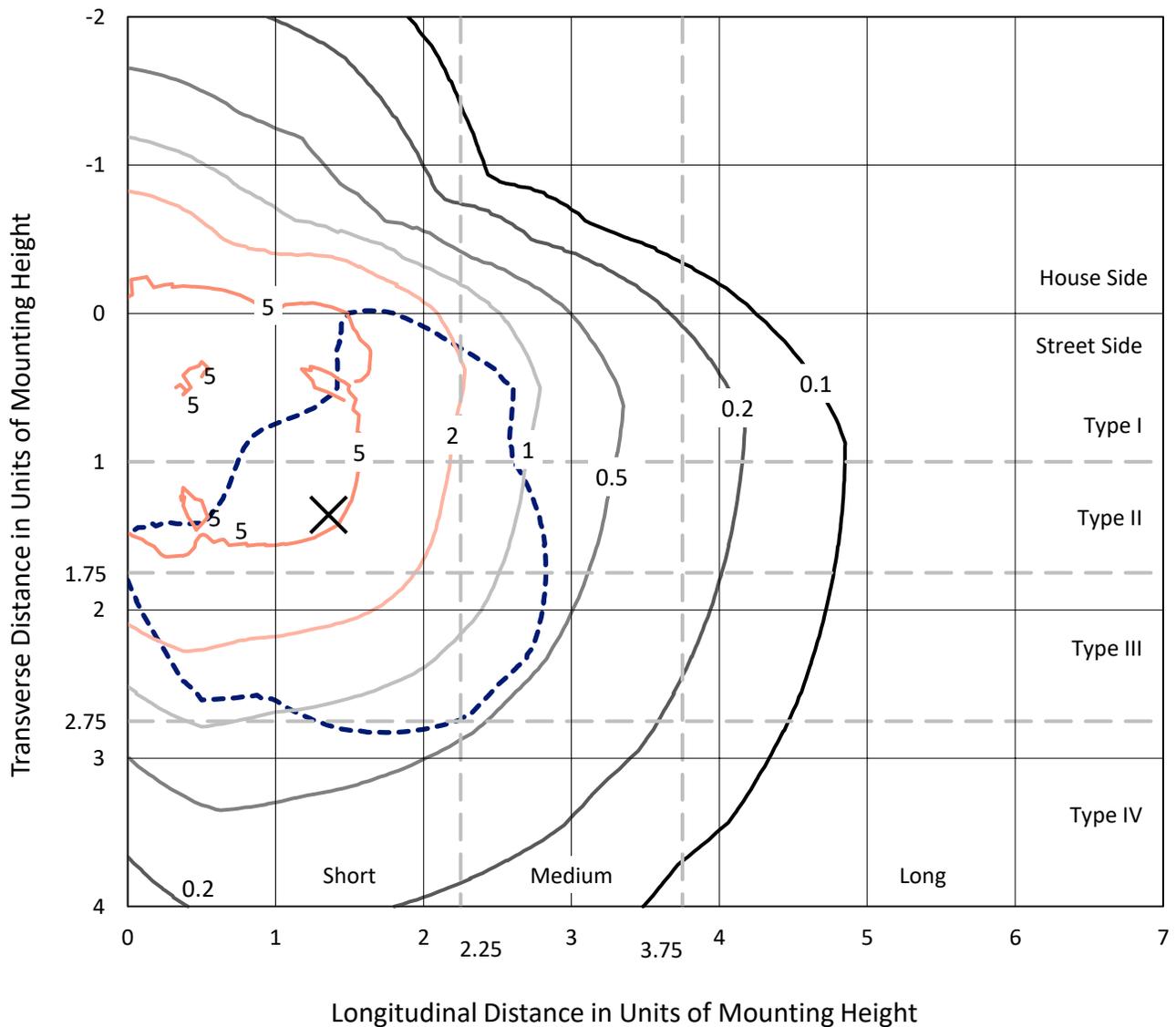


REPORT NUMBER: P1208021

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

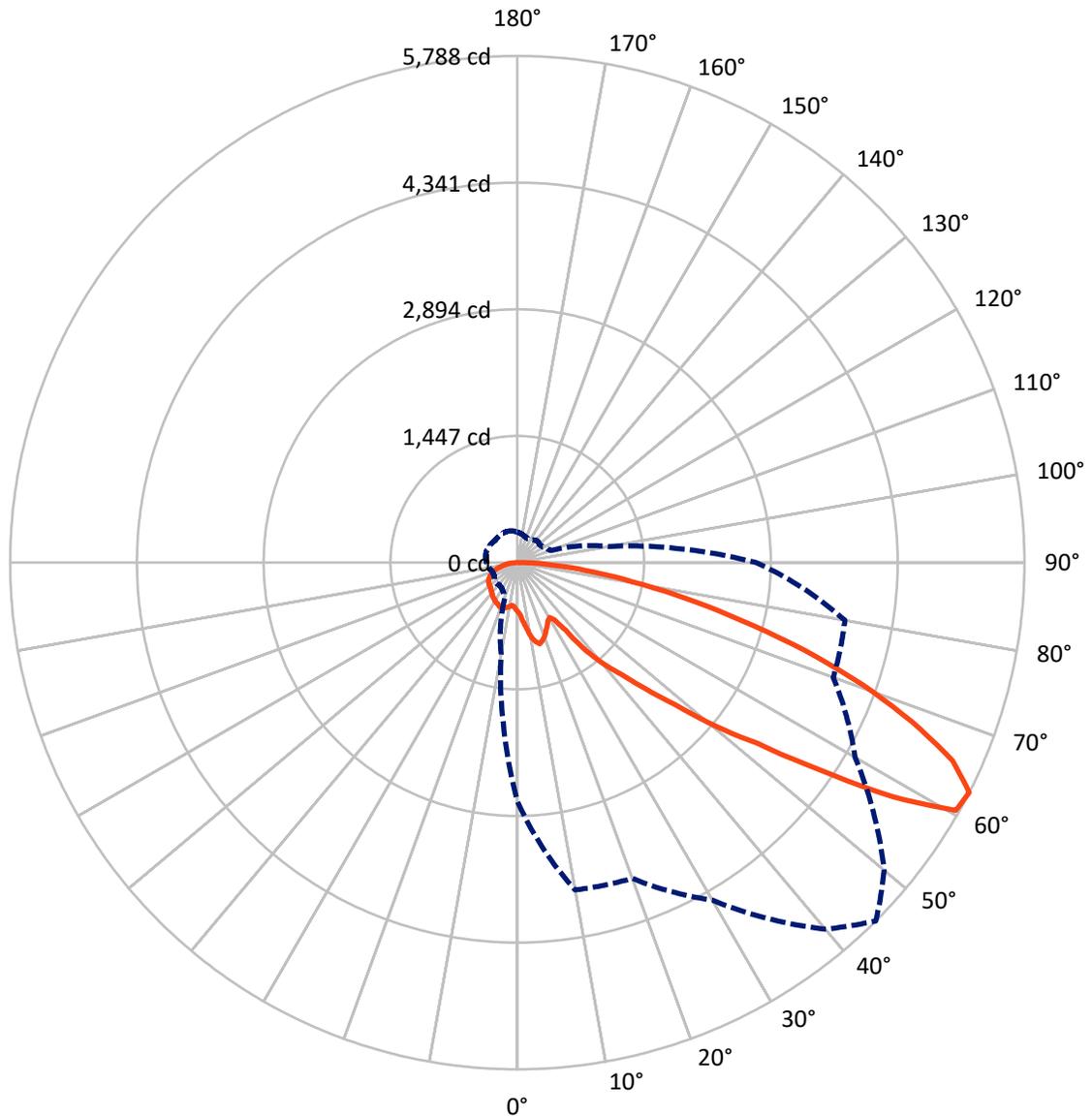


Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1208021

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208021

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.3	0.0	1201.3
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	3700.7	0.0	3700.7
	% Fixture	75.5	0.0	75.5
Total	Lumens	4902.0	0.0	4902.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.1
10°-20°	188.1	3.8
20°-30°	305.9	6.2
30°-40°	417.2	8.5
40°-50°	631.7	12.9
50°-60°	1086.3	22.2
60°-70°	1273.9	26.0
70°-80°	759.8	15.5
80°-90°	183.5	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°	4902.0	100.0
0°-180°	4902.0	100.0



REPORT NUMBER: P1208021

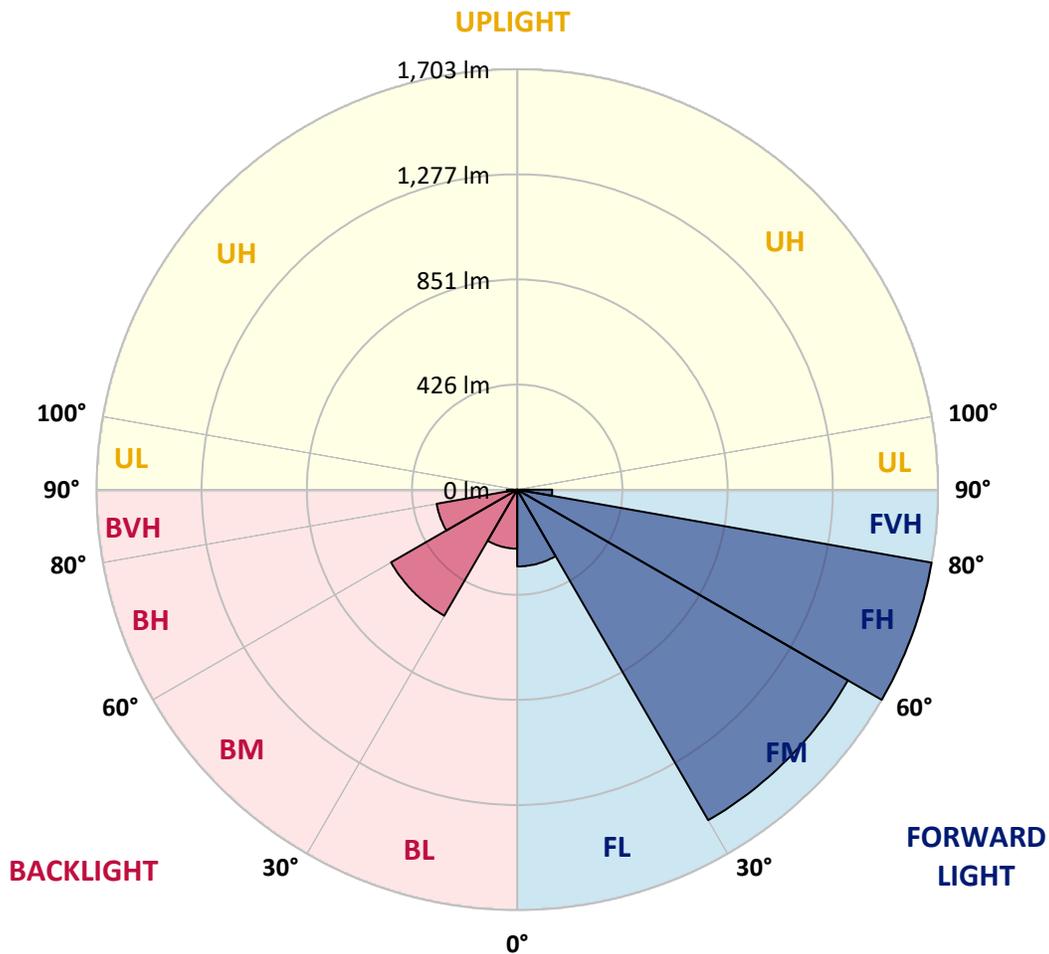
CATALOG NUMBER: UPW-SA1-040-727-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.7	6.3			
FM	(30°-60°)	1545.5	31.5			
FH	(60°-80°)	1702.6	34.7			G1/1800
FVH	(80°-90°)	141.8	2.9			G2/225
BL	(0°-30°)	239.0	4.9	B1/500		
BM	(30°-60°)	589.6	12.0	B1/1000		
BH	(60°-80°)	331.0	6.8	B1/500		G1/500
BVH	(80°-90°)	41.7	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: P1208021

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	581.8	584.2	586.7	587.8	588.8	589.8	590.8	591.6	592.4	590.5	592.4
5°	622.3	630.0	637.7	644.3	650.9	656.0	660.9	663.4	665.9	670.0	665.9
7.5°	677.4	687.8	698.4	712.8	727.2	737.0	746.8	751.1	755.3	756.5	755.3
10°	717.4	744.2	771.1	787.0	803.0	814.7	826.4	836.4	846.5	857.9	846.5
12.5°	765.8	796.4	826.9	849.9	872.9	887.7	902.5	912.4	922.4	925.8	922.4
15°	813.8	847.1	880.5	902.0	923.6	935.1	946.6	951.6	956.5	962.5	956.5
17.5°	866.6	891.6	916.6	930.9	945.1	945.6	946.1	939.9	933.7	932.4	933.7
20°	904.2	924.8	945.5	945.8	946.1	933.8	921.4	910.7	900.0	895.1	900.0
22.5°	931.8	946.0	960.2	945.6	931.0	903.6	876.2	860.7	845.1	840.9	845.1
25°	969.4	971.6	973.7	944.0	914.3	876.1	837.9	817.9	798.0	793.2	798.0
27.5°	993.5	986.6	979.6	934.5	889.4	844.5	799.7	777.0	754.2	747.8	754.2
30°	1028.5	1003.5	978.4	920.3	862.2	817.0	771.9	752.9	733.9	728.0	733.9
32.5°	1063.9	1022.1	980.3	918.0	855.7	824.2	792.8	787.7	782.4	778.4	782.4
35°	1092.9	1046.0	999.1	952.2	905.3	910.0	914.9	931.7	948.7	948.3	948.7
37.5°	1143.8	1095.9	1047.9	1040.1	1032.4	1092.9	1153.4	1202.0	1250.6	1275.9	1250.6
40°	1214.8	1181.1	1147.4	1175.5	1203.6	1287.7	1371.8	1429.4	1486.9	1529.0	1486.9
42.5°	1313.7	1294.5	1275.3	1310.4	1345.5	1437.9	1530.2	1608.6	1686.9	1745.9	1686.9
45°	1483.2	1463.4	1443.6	1460.4	1477.0	1592.6	1708.2	1831.0	1953.8	2057.6	1953.8
47.5°	1767.0	1721.0	1675.0	1660.9	1646.8	1802.6	1958.3	2137.8	2317.4	2424.1	2317.4
50°	2142.2	2070.3	1998.4	1932.8	1867.2	2087.0	2306.7	2568.2	2829.6	2939.6	2829.6
52.5°	2487.4	2421.4	2355.3	2240.0	2124.7	2384.8	2644.9	2984.3	3323.8	3429.3	3323.8
55°	2786.7	2814.4	2842.0	2685.9	2529.9	2818.5	3106.9	3541.9	3976.7	4162.9	3976.7
57.5°	3002.6	3248.1	3493.7	3326.9	3160.2	3429.6	3698.9	4215.8	4732.8	5044.3	4732.8
60°	2965.6	3457.8	3949.9	3875.9	3801.8	4031.9	4262.0	4822.9	5383.8	5747.7	5383.8
62.5°	2724.6	3260.2	3795.8	3816.7	3837.6	4144.8	4452.1	4959.2	5466.2	5788.2	5466.2
65°	2424.9	2929.1	3433.2	3464.1	3495.1	3850.3	4205.6	4703.0	5200.3	5460.1	5200.3
67.5°	2080.3	2604.6	3128.9	3147.5	3166.3	3491.0	3815.7	4263.3	4711.0	4860.2	4711.0
70°	1784.0	2283.4	2782.8	2823.7	2864.6	3148.2	3431.6	3763.1	4094.6	4179.8	4094.6
72.5°	1430.3	1932.6	2434.9	2497.5	2560.1	2767.8	2975.5	3207.2	3439.0	3431.0	3439.0
75°	1052.4	1523.0	1993.8	2080.3	2166.9	2294.3	2421.6	2544.0	2666.4	2631.7	2666.4
77.5°	729.7	1110.4	1491.0	1582.7	1674.4	1764.2	1854.1	1940.4	2026.6	1972.1	2026.6
80°	402.4	673.6	944.9	1048.0	1151.2	1245.1	1339.0	1383.5	1428.0	1336.1	1428.0
82.5°	199.1	350.6	502.1	604.7	707.3	802.5	897.6	925.5	953.3	865.6	953.3
85°	78.3	154.4	230.4	307.0	383.6	458.5	533.5	536.3	539.2	476.1	539.2
87.5°	28.2	59.3	90.4	129.8	169.3	209.5	249.8	248.4	246.9	203.8	246.9
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: P1208021

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	591.6	590.8	589.8	588.8	587.8	586.7	584.2	581.8	580.2	579.7	577.7
5°	663.4	660.9	656.0	650.9	644.3	637.7	630.0	622.3	617.8	611.5	602.5
7.5°	751.1	746.8	737.0	727.2	712.8	698.4	687.8	677.4	656.8	639.4	625.1
10°	836.4	826.4	814.7	803.0	787.0	771.1	744.2	717.4	700.3	680.1	655.8
12.5°	912.4	902.5	887.7	872.9	849.9	826.9	796.4	765.8	739.6	711.1	681.7
15°	951.6	946.6	935.1	923.6	902.0	880.5	847.1	813.8	781.8	745.9	707.2
17.5°	939.9	946.1	945.6	945.1	930.9	916.6	891.6	866.6	819.9	773.8	728.0
20°	910.7	921.4	933.8	946.1	945.8	945.5	924.8	904.2	857.0	807.0	751.5
22.5°	860.7	876.2	903.6	931.0	945.6	960.2	946.0	931.8	882.6	828.8	764.5
25°	817.9	837.9	876.1	914.3	944.0	973.7	971.6	969.4	910.4	847.6	772.7
27.5°	777.0	799.7	844.5	889.4	934.5	979.6	986.6	993.5	940.4	879.8	795.5
30°	752.9	771.9	817.0	862.2	920.3	978.4	1003.5	1028.5	973.9	909.4	814.9
32.5°	787.7	792.8	824.2	855.7	918.0	980.3	1022.1	1063.9	1005.0	934.7	827.5
35°	931.7	914.9	910.0	905.3	952.2	999.1	1046.0	1092.9	1035.0	960.9	839.0
37.5°	1202.0	1153.4	1092.9	1032.4	1040.1	1047.9	1095.9	1143.8	1074.7	986.6	848.0
40°	1429.4	1371.8	1287.7	1203.6	1175.5	1147.4	1181.1	1214.8	1138.7	1032.7	868.4
42.5°	1608.6	1530.2	1437.9	1345.5	1310.4	1275.3	1294.5	1313.7	1208.9	1075.5	887.8
45°	1831.0	1708.2	1592.6	1477.0	1460.4	1443.6	1463.4	1483.2	1322.2	1134.8	914.4
47.5°	2137.8	1958.3	1802.6	1646.8	1660.9	1675.0	1721.0	1767.0	1512.0	1230.3	956.8
50°	2568.2	2306.7	2087.0	1867.2	1932.8	1998.4	2070.3	2142.2	1783.7	1383.1	1031.6
52.5°	2984.3	2644.9	2384.8	2124.7	2240.0	2355.3	2421.4	2487.4	2020.6	1506.8	1089.1
55°	3541.9	3106.9	2818.5	2529.9	2685.9	2842.0	2814.4	2786.7	2179.8	1557.3	1104.1
57.5°	4215.8	3698.9	3429.6	3160.2	3326.9	3493.7	3248.1	3002.6	2202.9	1464.2	1033.8
60°	4822.9	4262.0	4031.9	3801.8	3875.9	3949.9	3457.8	2965.6	2065.9	1259.5	880.8
62.5°	4959.2	4452.1	4144.8	3837.6	3816.7	3795.8	3260.2	2724.6	1839.2	1057.9	731.9
65°	4703.0	4205.6	3850.3	3495.1	3464.1	3433.2	2929.1	2424.9	1587.6	868.4	595.5
67.5°	4263.3	3815.7	3491.0	3166.3	3147.5	3128.9	2604.6	2080.3	1322.8	692.6	468.5
70°	3763.1	3431.6	3148.2	2864.6	2823.7	2782.8	2283.4	1784.0	1084.0	532.6	364.0
72.5°	3207.2	2975.5	2767.8	2560.1	2497.5	2434.9	1932.6	1430.3	836.4	390.0	274.6
75°	2544.0	2421.6	2294.3	2166.9	2080.3	1993.8	1523.0	1052.4	601.9	275.0	203.0
77.5°	1940.4	1854.1	1764.2	1674.4	1582.7	1491.0	1110.4	729.7	414.6	191.8	149.6
80°	1383.5	1339.0	1245.1	1151.2	1048.0	944.9	673.6	402.4	238.6	123.8	103.3
82.5°	925.5	897.6	802.5	707.3	604.7	502.1	350.6	199.1	127.3	77.9	69.5
85°	536.3	533.5	458.5	383.6	307.0	230.4	154.4	78.3	57.5	43.7	41.4
87.5°	248.4	249.8	209.5	169.3	129.8	90.4	59.3	28.2	21.9	18.2	17.4
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: P1208021

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	575.6	572.0	568.4	565.8	563.2	560.1	555.4	553.0	550.6	548.3	545.9
5°	593.6	585.1	576.7	569.7	562.6	556.3	550.4	543.9	537.3	531.6	525.9
7.5°	610.8	597.2	583.7	573.3	562.9	553.0	543.3	535.6	527.8	521.5	515.2
10°	631.5	612.6	593.7	582.1	570.6	561.5	546.2	538.0	529.8	523.7	517.6
12.5°	652.3	628.5	604.7	587.9	571.1	558.5	552.1	548.3	544.5	540.1	535.7
15°	668.4	638.2	608.0	588.7	569.5	556.3	552.6	553.9	555.2	556.6	558.1
17.5°	682.1	642.8	603.4	580.8	558.2	545.4	551.3	555.7	560.0	566.6	573.1
20°	695.8	646.3	596.7	569.4	542.1	529.5	532.1	542.3	552.5	564.9	577.3
22.5°	700.1	641.4	582.6	551.7	520.9	508.4	519.2	531.7	544.1	557.1	570.0
25°	697.8	630.9	564.0	532.5	501.0	490.6	501.5	513.8	526.0	538.5	551.0
27.5°	711.2	633.5	555.8	520.9	485.9	474.7	485.3	495.6	505.9	516.9	527.8
30°	720.4	635.0	549.6	512.9	476.2	464.0	467.5	474.6	481.6	491.3	500.8
32.5°	720.3	627.7	535.1	500.6	466.2	455.2	458.6	461.6	464.5	471.4	478.2
35°	717.2	617.3	517.4	485.9	454.2	445.9	444.9	444.7	444.6	447.6	450.7
37.5°	709.4	601.9	494.4	464.3	434.1	428.1	425.8	423.9	421.9	424.0	425.9
40°	704.1	587.0	470.0	440.9	411.8	409.8	408.1	405.4	402.6	402.9	403.1
42.5°	700.1	574.7	449.2	421.3	393.4	389.5	385.1	383.8	382.5	381.8	381.0
45°	694.0	564.7	435.5	407.5	379.4	367.9	367.7	364.7	361.8	362.9	363.9
47.5°	683.2	554.4	425.7	400.2	374.8	356.6	349.8	348.3	346.8	348.4	350.1
50°	680.3	550.7	421.2	397.8	374.6	347.9	335.0	334.1	333.2	337.9	342.5
52.5°	671.3	541.2	411.0	393.0	375.0	348.4	331.0	328.6	326.2	333.1	339.9
55°	650.8	521.6	392.5	385.9	379.2	363.5	333.1	325.2	317.5	325.8	334.2
57.5°	603.4	492.4	381.4	377.2	373.1	373.3	339.0	324.1	309.2	317.5	325.7
60°	501.9	437.7	373.5	361.0	348.4	360.5	340.2	322.9	305.6	310.3	315.1
62.5°	405.9	375.5	345.0	335.0	325.0	339.1	331.9	317.2	302.5	302.0	301.4
65°	322.6	316.5	310.5	308.3	306.1	309.8	313.9	304.3	294.7	290.5	286.2
67.5°	244.4	249.9	255.3	265.9	276.5	278.0	287.6	282.3	277.1	273.8	270.5
70°	195.3	202.7	210.1	225.8	241.6	249.3	257.9	258.6	259.2	256.8	254.3
72.5°	159.1	165.6	172.0	189.8	207.6	224.3	233.6	233.6	233.6	232.5	231.3
75°	131.0	135.8	140.5	157.0	173.5	194.7	204.4	205.3	206.3	205.5	204.8
77.5°	107.3	109.6	111.9	126.9	141.9	166.8	176.8	179.1	181.3	180.5	179.6
80°	82.7	84.3	85.9	98.4	110.9	133.1	144.8	148.1	151.3	151.1	150.8
82.5°	61.1	62.0	62.9	72.4	81.9	97.8	110.3	115.4	120.5	124.2	127.9
85°	39.2	39.7	40.1	46.1	52.0	61.9	74.6	84.0	93.4	100.3	107.1
87.5°	16.5	16.0	15.4	18.5	21.5	26.8	42.3	51.9	61.5	65.0	68.5
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: P1208021

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	543.7	541.5	539.9	538.2	535.0	531.8	530.0	528.2	527.6	527.0	528.3
5°	522.3	518.8	514.9	511.1	508.2	505.2	502.9	500.6	499.6	498.6	499.0
7.5°	510.1	505.0	501.3	497.7	497.0	496.3	494.8	493.3	493.1	493.0	493.5
10°	512.9	508.3	505.7	503.2	502.3	501.5	501.5	501.4	502.9	504.4	505.7
12.5°	530.9	526.3	526.5	526.7	522.7	518.8	517.7	516.7	518.7	520.5	521.2
15°	556.9	555.6	551.0	546.4	541.7	537.0	535.4	533.8	533.7	533.6	532.9
17.5°	575.9	578.6	573.2	567.8	560.2	552.6	549.0	545.5	543.9	542.3	541.6
20°	581.8	586.4	581.2	576.0	567.5	559.0	553.4	547.8	547.0	546.2	546.1
22.5°	574.1	578.1	575.2	572.2	563.0	553.8	547.8	541.7	539.1	536.6	537.7
25°	556.6	562.3	561.6	561.0	551.4	541.9	535.2	528.5	527.3	526.0	525.7
27.5°	534.2	540.6	541.5	542.3	535.2	528.1	521.9	515.6	514.5	513.4	514.8
30°	507.4	514.0	516.3	518.5	514.0	509.5	505.2	501.0	501.2	501.4	503.5
32.5°	484.5	490.7	494.2	497.7	496.9	496.2	494.6	492.9	490.7	488.5	489.3
35°	456.4	462.1	468.8	475.5	476.4	477.3	477.9	478.5	478.5	478.5	480.3
37.5°	430.9	435.8	442.7	449.8	454.7	459.7	462.0	464.3	466.1	467.8	468.6
40°	407.5	412.0	418.5	425.1	434.4	443.6	448.7	453.9	454.1	454.2	453.2
42.5°	384.8	388.5	398.5	408.4	418.8	429.1	433.6	438.1	440.1	442.1	442.6
45°	368.6	373.3	381.9	390.6	402.4	414.3	419.9	425.5	426.5	427.6	427.3
47.5°	354.9	359.6	370.2	380.7	392.3	403.9	409.8	415.8	416.7	417.5	418.3
50°	348.0	353.5	362.6	371.7	384.0	396.3	404.6	412.8	412.5	412.2	410.0
52.5°	344.1	348.3	356.8	365.4	378.9	392.3	400.3	408.2	408.9	409.7	408.4
55°	339.2	344.3	353.8	363.2	375.2	387.2	394.9	402.5	403.3	404.2	401.8
57.5°	334.4	343.2	352.8	362.4	374.7	386.9	393.4	400.0	398.5	397.1	395.2
60°	327.6	340.2	349.2	358.3	369.7	381.0	385.6	390.0	388.3	386.5	382.4
62.5°	314.9	328.3	338.6	349.0	359.3	369.7	372.8	376.1	374.4	372.6	368.1
65°	298.1	310.0	321.0	332.0	340.5	349.1	353.0	356.9	354.1	351.3	346.7
67.5°	282.1	293.6	302.1	310.6	319.1	327.6	330.8	334.1	330.9	327.9	321.8
70°	262.8	271.3	282.2	293.1	297.8	302.5	304.3	306.1	303.2	300.2	296.4
72.5°	239.7	248.1	255.2	262.4	266.8	271.3	273.4	275.4	272.2	268.9	263.7
75°	212.0	219.1	225.7	232.3	237.1	241.9	243.1	244.3	240.2	236.1	230.7
77.5°	184.0	188.3	191.1	193.9	199.4	204.9	205.9	207.0	203.8	200.8	195.8
80°	152.8	154.9	155.6	156.4	160.5	164.5	165.6	166.6	165.2	163.7	159.5
82.5°	129.3	130.7	124.6	118.6	121.8	125.0	127.5	129.9	129.3	128.6	125.2
85°	103.0	99.0	83.5	67.9	74.1	80.3	84.4	88.5	89.2	89.8	87.4
87.5°	63.1	57.6	46.2	34.8	39.8	44.8	48.9	53.0	50.3	47.7	42.2
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: P1208021

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	529.6	531.4	529.6	528.3	527.0	527.6	528.2	530.0	531.8	535.0	538.2
5°	499.2	499.1	499.2	499.0	498.6	499.6	500.6	502.9	505.2	508.2	511.1
7.5°	493.9	491.9	493.9	493.5	493.0	493.1	493.3	494.8	496.3	497.0	497.7
10°	507.0	506.2	507.0	505.7	504.4	502.9	501.4	501.5	501.5	502.3	503.2
12.5°	522.0	520.4	522.0	521.2	520.5	518.7	516.7	517.7	518.8	522.7	526.7
15°	532.2	531.4	532.2	532.9	533.6	533.7	533.8	535.4	537.0	541.7	546.4
17.5°	540.8	541.8	540.8	541.6	542.3	543.9	545.5	549.0	552.6	560.2	567.8
20°	546.1	545.6	546.1	546.1	546.2	547.0	547.8	553.4	559.0	567.5	576.0
22.5°	538.8	542.3	538.8	537.7	536.6	539.1	541.7	547.8	553.8	563.0	572.2
25°	525.4	523.7	525.4	525.7	526.0	527.3	528.5	535.2	541.9	551.4	561.0
27.5°	516.2	517.1	516.2	514.8	513.4	514.5	515.6	521.9	528.1	535.2	542.3
30°	505.6	509.5	505.6	503.5	501.4	501.2	501.0	505.2	509.5	514.0	518.5
32.5°	490.0	493.0	490.0	489.3	488.5	490.7	492.9	494.6	496.2	496.9	497.7
35°	482.1	485.9	482.1	480.3	478.5	478.5	478.5	477.9	477.3	476.4	475.5
37.5°	469.4	469.5	469.4	468.6	467.8	466.1	464.3	462.0	459.7	454.7	449.8
40°	452.1	452.5	452.1	453.2	454.2	454.1	453.9	448.7	443.6	434.4	425.1
42.5°	443.1	444.3	443.1	442.6	442.1	440.1	438.1	433.6	429.1	418.8	408.4
45°	427.0	425.7	427.0	427.3	427.6	426.5	425.5	419.9	414.3	402.4	390.6
47.5°	419.0	420.2	419.0	418.3	417.5	416.7	415.8	409.8	403.9	392.3	380.7
50°	407.8	407.0	407.8	410.0	412.2	412.5	412.8	404.6	396.3	384.0	371.7
52.5°	407.1	407.6	407.1	408.4	409.7	408.9	408.2	400.3	392.3	378.9	365.4
55°	399.4	397.7	399.4	401.8	404.2	403.3	402.5	394.9	387.2	375.2	363.2
57.5°	393.3	393.9	393.3	395.2	397.1	398.5	400.0	393.4	386.9	374.7	362.4
60°	378.4	375.3	378.4	382.4	386.5	388.3	390.0	385.6	381.0	369.7	358.3
62.5°	363.5	357.7	363.5	368.1	372.6	374.4	376.1	372.8	369.7	359.3	349.0
65°	342.1	339.1	342.1	346.7	351.3	354.1	356.9	353.0	349.1	340.5	332.0
67.5°	315.8	311.2	315.8	321.8	327.9	330.9	334.1	330.8	327.6	319.1	310.6
70°	292.5	289.2	292.5	296.4	300.2	303.2	306.1	304.3	302.5	297.8	293.1
72.5°	258.6	255.3	258.6	263.7	268.9	272.2	275.4	273.4	271.3	266.8	262.4
75°	225.4	220.8	225.4	230.7	236.1	240.2	244.3	243.1	241.9	237.1	232.3
77.5°	190.7	186.3	190.7	195.8	200.8	203.8	207.0	205.9	204.9	199.4	193.9
80°	155.5	149.6	155.5	159.5	163.7	165.2	166.6	165.6	164.5	160.5	156.4
82.5°	121.7	116.7	121.7	125.2	128.6	129.3	129.9	127.5	125.0	121.8	118.6
85°	85.0	81.1	85.0	87.4	89.8	89.2	88.5	84.4	80.3	74.1	67.9
87.5°	36.7	30.7	36.7	42.2	47.7	50.3	53.0	48.9	44.8	39.8	34.8
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: P1208021

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	539.9	541.5	543.7	545.9	548.3	550.6	553.0	555.4	560.1	563.2	565.8
5°	514.9	518.8	522.3	525.9	531.6	537.3	543.9	550.4	556.3	562.6	569.7
7.5°	501.3	505.0	510.1	515.2	521.5	527.8	535.6	543.3	553.0	562.9	573.3
10°	505.7	508.3	512.9	517.6	523.7	529.8	538.0	546.2	561.5	570.6	582.1
12.5°	526.5	526.3	530.9	535.7	540.1	544.5	548.3	552.1	558.5	571.1	587.9
15°	551.0	555.6	556.9	558.1	556.6	555.2	553.9	552.6	556.3	569.5	588.7
17.5°	573.2	578.6	575.9	573.1	566.6	560.0	555.7	551.3	545.4	558.2	580.8
20°	581.2	586.4	581.8	577.3	564.9	552.5	542.3	532.1	529.5	542.1	569.4
22.5°	575.2	578.1	574.1	570.0	557.1	544.1	531.7	519.2	508.4	520.9	551.7
25°	561.6	562.3	556.6	551.0	538.5	526.0	513.8	501.5	490.6	501.0	532.5
27.5°	541.5	540.6	534.2	527.8	516.9	505.9	495.6	485.3	474.7	485.9	520.9
30°	516.3	514.0	507.4	500.8	491.3	481.6	474.6	467.5	464.0	476.2	512.9
32.5°	494.2	490.7	484.5	478.2	471.4	464.5	461.6	458.6	455.2	466.2	500.6
35°	468.8	462.1	456.4	450.7	447.6	444.6	444.7	444.9	445.9	454.2	485.9
37.5°	442.7	435.8	430.9	425.9	424.0	421.9	423.9	425.8	428.1	434.1	464.3
40°	418.5	412.0	407.5	403.1	402.9	402.6	405.4	408.1	409.8	411.8	440.9
42.5°	398.5	388.5	384.8	381.0	381.8	382.5	383.8	385.1	389.5	393.4	421.3
45°	381.9	373.3	368.6	363.9	362.9	361.8	364.7	367.7	367.9	379.4	407.5
47.5°	370.2	359.6	354.9	350.1	348.4	346.8	348.3	349.8	356.6	374.8	400.2
50°	362.6	353.5	348.0	342.5	337.9	333.2	334.1	335.0	347.9	374.6	397.8
52.5°	356.8	348.3	344.1	339.9	333.1	326.2	328.6	331.0	348.4	375.0	393.0
55°	353.8	344.3	339.2	334.2	325.8	317.5	325.2	333.1	363.5	379.2	385.9
57.5°	352.8	343.2	334.4	325.7	317.5	309.2	324.1	339.0	373.3	373.1	377.2
60°	349.2	340.2	327.6	315.1	310.3	305.6	322.9	340.2	360.5	348.4	361.0
62.5°	338.6	328.3	314.9	301.4	302.0	302.5	317.2	331.9	339.1	325.0	335.0
65°	321.0	310.0	298.1	286.2	290.5	294.7	304.3	313.9	309.8	306.1	308.3
67.5°	302.1	293.6	282.1	270.5	273.8	277.1	282.3	287.6	278.0	276.5	265.9
70°	282.2	271.3	262.8	254.3	256.8	259.2	258.6	257.9	249.3	241.6	225.8
72.5°	255.2	248.1	239.7	231.3	232.5	233.6	233.6	233.6	224.3	207.6	189.8
75°	225.7	219.1	212.0	204.8	205.5	206.3	205.3	204.4	194.7	173.5	157.0
77.5°	191.1	188.3	184.0	179.6	180.5	181.3	179.1	176.8	166.8	141.9	126.9
80°	155.6	154.9	152.8	150.8	151.1	151.3	148.1	144.8	133.1	110.9	98.4
82.5°	124.6	130.7	129.3	127.9	124.2	120.5	115.4	110.3	97.8	81.9	72.4
85°	83.5	99.0	103.0	107.1	100.3	93.4	84.0	74.6	61.9	52.0	46.1
87.5°	46.2	57.6	63.1	68.5	65.0	61.5	51.9	42.3	26.8	21.5	18.5
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: P1208021

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	558.2	558.2	558.2	558.2	558.2	558.2	558.2
2.5°	568.4	572.0	575.6	577.7	579.7	580.2	581.8
5°	576.7	585.1	593.6	602.5	611.5	617.8	622.3
7.5°	583.7	597.2	610.8	625.1	639.4	656.8	677.4
10°	593.7	612.6	631.5	655.8	680.1	700.3	717.4
12.5°	604.7	628.5	652.3	681.7	711.1	739.6	765.8
15°	608.0	638.2	668.4	707.2	745.9	781.8	813.8
17.5°	603.4	642.8	682.1	728.0	773.8	819.9	866.6
20°	596.7	646.3	695.8	751.5	807.0	857.0	904.2
22.5°	582.6	641.4	700.1	764.5	828.8	882.6	931.8
25°	564.0	630.9	697.8	772.7	847.6	910.4	969.4
27.5°	555.8	633.5	711.2	795.5	879.8	940.4	993.5
30°	549.6	635.0	720.4	814.9	909.4	973.9	1028.5
32.5°	535.1	627.7	720.3	827.5	934.7	1005.0	1063.9
35°	517.4	617.3	717.2	839.0	960.9	1035.0	1092.9
37.5°	494.4	601.9	709.4	848.0	986.6	1074.7	1143.8
40°	470.0	587.0	704.1	868.4	1032.7	1138.7	1214.8
42.5°	449.2	574.7	700.1	887.8	1075.5	1208.9	1313.7
45°	435.5	564.7	694.0	914.4	1134.8	1322.2	1483.2
47.5°	425.7	554.4	683.2	956.8	1230.3	1512.0	1767.0
50°	421.2	550.7	680.3	1031.6	1383.1	1783.7	2142.2
52.5°	411.0	541.2	671.3	1089.1	1506.8	2020.6	2487.4
55°	392.5	521.6	650.8	1104.1	1557.3	2179.8	2786.7
57.5°	381.4	492.4	603.4	1033.8	1464.2	2202.9	3002.6
60°	373.5	437.7	501.9	880.8	1259.5	2065.9	2965.6
62.5°	345.0	375.5	405.9	731.9	1057.9	1839.2	2724.6
65°	310.5	316.5	322.6	595.5	868.4	1587.6	2424.9
67.5°	255.3	249.9	244.4	468.5	692.6	1322.8	2080.3
70°	210.1	202.7	195.3	364.0	532.6	1084.0	1784.0
72.5°	172.0	165.6	159.1	274.6	390.0	836.4	1430.3
75°	140.5	135.8	131.0	203.0	275.0	601.9	1052.4
77.5°	111.9	109.6	107.3	149.6	191.8	414.6	729.7
80°	85.9	84.3	82.7	103.3	123.8	238.6	402.4
82.5°	62.9	62.0	61.1	69.5	77.9	127.3	199.1
85°	40.1	39.7	39.2	41.4	43.7	57.5	78.3
87.5°	15.4	16.0	16.5	17.4	18.2	21.9	28.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)