

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: P1208264

Luminaire Tested: UPW-SA1-060-727-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208264
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-SA1-060-727-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6066 lumens
Efficiency: N/A
Efficacy: 102.8 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): 59
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

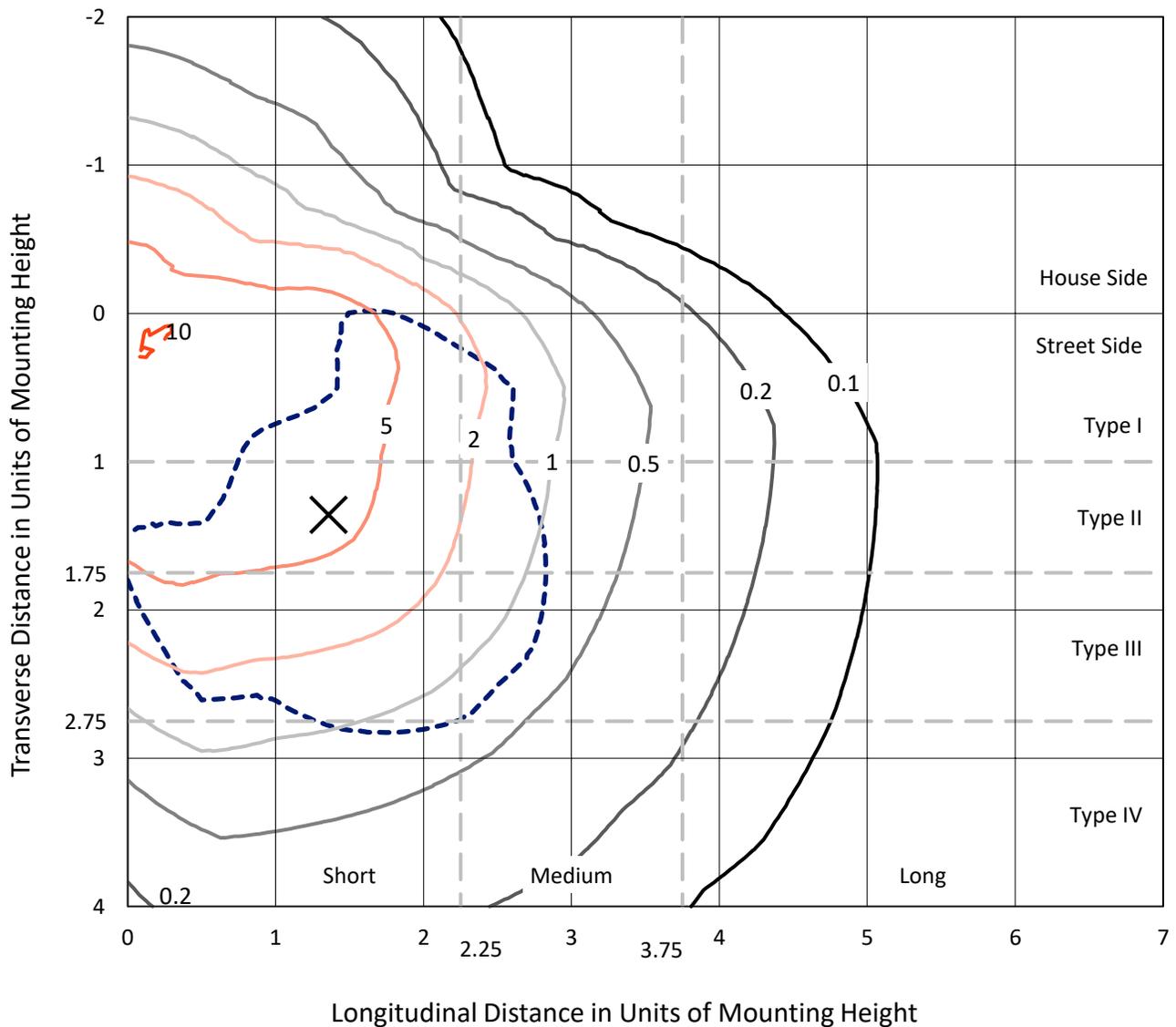


REPORT NUMBER: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

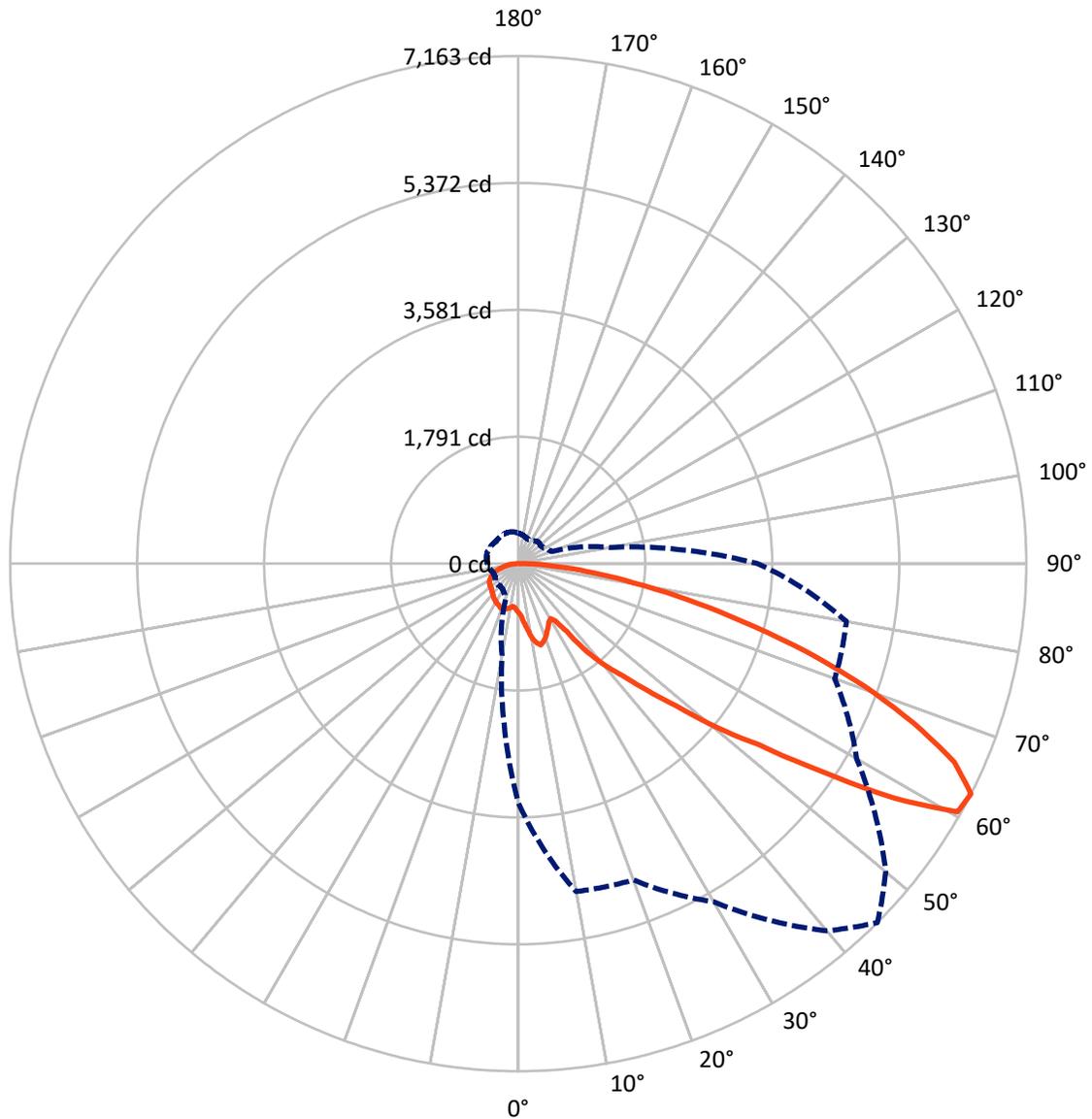


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1486.6	0.0	1486.6
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	4579.4	0.0	4579.4
	% Fixture	75.5	0.0	75.5
Total	Lumens	6066.0	0.0	6066.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.1
10°-20°	232.7	3.8
20°-30°	378.5	6.2
30°-40°	516.2	8.5
40°-50°	781.7	12.9
50°-60°	1344.2	22.2
60°-70°	1576.4	26.0
70°-80°	940.2	15.5
80°-90°	227.1	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°	6066.0	100.0
0°-180°	6066.0	100.0



REPORT NUMBER: P1208264

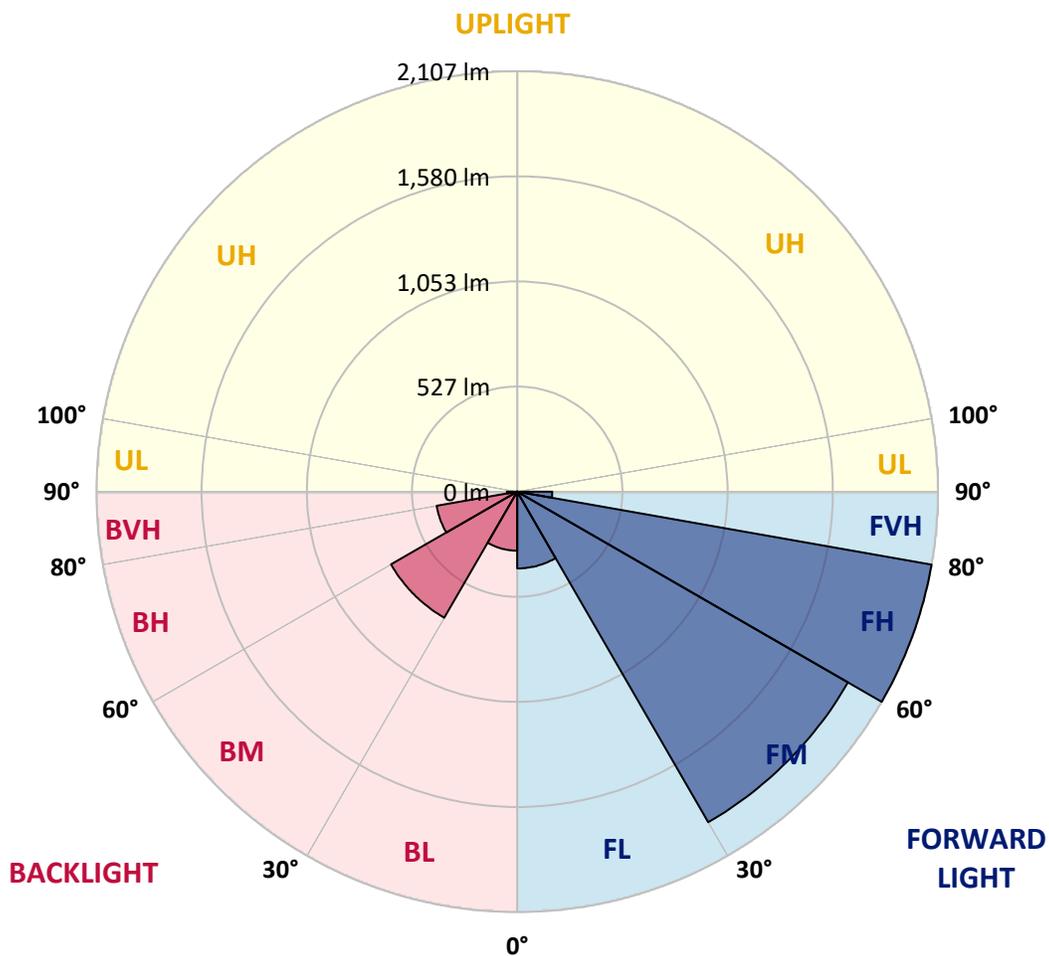
CATALOG NUMBER: UPW-SA1-060-727-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.5	6.3			
FM	(30°-60°)	1912.5	31.5			
FH	(60°-80°)	2106.9	34.7			G2/5000
FVH	(80°-90°)	175.5	2.9			G2/225
BL	(0°-30°)	295.7	4.9	B1/500		
BM	(30°-60°)	729.6	12.0	B1/1000		
BH	(60°-80°)	409.6	6.8	B1/500		G1/500
BVH	(80°-90°)	51.6	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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	719.9	723.0	726.0	727.3	728.6	729.8	731.1	732.1	733.1	730.8	733.1
5°	770.1	779.6	789.1	797.3	805.5	811.7	817.9	820.9	824.1	829.1	824.1
7.5°	838.2	851.2	864.2	882.0	899.9	912.0	924.1	929.4	934.7	936.2	934.7
10°	887.7	920.9	954.1	973.9	993.7	1008.1	1022.6	1035.0	1047.5	1061.6	1047.5
12.5°	947.7	985.5	1023.3	1051.8	1080.2	1098.5	1116.8	1129.1	1141.4	1145.6	1141.4
15°	1007.0	1048.3	1089.5	1116.2	1142.9	1157.2	1171.4	1177.5	1183.6	1191.1	1183.6
17.5°	1072.4	1103.3	1134.3	1151.9	1169.5	1170.1	1170.7	1163.1	1155.4	1153.8	1155.4
20°	1118.9	1144.4	1170.1	1170.4	1170.7	1155.5	1140.2	1126.9	1113.7	1107.7	1113.7
22.5°	1153.1	1170.7	1188.2	1170.1	1152.1	1118.2	1084.3	1065.0	1045.8	1040.6	1045.8
25°	1199.5	1202.3	1205.0	1168.2	1131.4	1084.1	1036.8	1012.2	987.4	981.6	987.4
27.5°	1229.4	1220.8	1212.2	1156.4	1100.6	1045.0	989.6	961.5	933.3	925.3	933.3
30°	1272.8	1241.8	1210.7	1138.8	1066.9	1011.0	955.2	931.6	908.1	900.9	908.1
32.5°	1316.5	1264.8	1213.1	1136.0	1058.9	1020.0	981.1	974.7	968.2	963.3	968.2
35°	1352.4	1294.4	1236.4	1178.3	1120.2	1126.1	1132.1	1153.0	1173.9	1173.4	1173.9
37.5°	1415.5	1356.1	1296.7	1287.1	1277.5	1352.4	1427.3	1487.4	1547.5	1578.8	1547.5
40°	1503.2	1461.5	1419.9	1454.6	1489.3	1593.5	1697.6	1768.8	1840.0	1892.0	1840.0
42.5°	1625.6	1601.9	1578.1	1621.6	1665.1	1779.3	1893.5	1990.6	2087.5	2160.5	2087.5
45°	1835.4	1810.9	1786.4	1807.1	1827.7	1970.8	2113.8	2265.8	2417.8	2546.2	2417.8
47.5°	2186.6	2129.6	2072.7	2055.3	2037.9	2230.6	2423.4	2645.4	2867.6	2999.7	2867.6
50°	2650.9	2561.9	2473.0	2391.8	2310.6	2582.5	2854.5	3178.0	3501.5	3637.6	3501.5
52.5°	3078.0	2996.3	2914.6	2771.9	2629.2	2951.0	3272.9	3693.0	4113.1	4243.6	4113.1
55°	3448.5	3482.6	3516.8	3323.7	3130.7	3487.7	3844.7	4382.9	4921.0	5151.3	4921.0
57.5°	3715.6	4019.4	4323.3	4116.9	3910.7	4243.9	4577.2	5216.8	5856.6	6242.1	5856.6
60°	3669.8	4278.8	4887.8	4796.2	4704.6	4989.3	5274.0	5968.1	6662.2	7112.5	6662.2
62.5°	3371.5	4034.3	4697.2	4723.0	4748.8	5129.0	5509.3	6136.7	6764.2	7162.7	6764.2
65°	3000.7	3624.6	4248.4	4286.7	4325.0	4764.6	5204.2	5819.7	6435.2	6756.6	6435.2
67.5°	2574.3	3223.1	3871.8	3894.9	3918.1	4319.9	4721.7	5275.7	5829.7	6014.3	5829.7
70°	2207.6	2825.5	3443.6	3494.2	3544.9	3895.7	4246.5	4656.7	5066.9	5172.4	5066.9
72.5°	1770.0	2391.6	3013.1	3090.5	3168.0	3425.0	3682.0	3968.8	4255.6	4245.7	4255.6
75°	1302.2	1884.7	2467.2	2574.3	2681.4	2839.0	2996.6	3148.1	3299.6	3256.6	3299.6
77.5°	903.0	1374.0	1845.1	1958.5	2072.0	2183.2	2294.3	2401.1	2507.9	2440.4	2507.9
80°	497.9	833.5	1169.2	1296.9	1424.6	1540.8	1656.9	1712.0	1767.1	1653.4	1767.1
82.5°	246.4	433.9	621.3	748.3	875.3	993.1	1110.7	1145.2	1179.7	1071.1	1179.7
85°	96.9	191.0	285.1	379.9	474.7	567.4	660.1	663.7	667.3	589.1	667.3
87.5°	34.9	73.3	111.9	160.7	209.5	259.3	309.1	307.4	305.5	252.2	305.5
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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	732.1	731.1	729.8	728.6	727.3	726.0	723.0	719.9	718.0	717.4	714.8
5°	820.9	817.9	811.7	805.5	797.3	789.1	779.6	770.1	764.5	756.7	745.6
7.5°	929.4	924.1	912.0	899.9	882.0	864.2	851.2	838.2	812.7	791.2	773.5
10°	1035.0	1022.6	1008.1	993.7	973.9	954.1	920.9	887.7	866.6	841.6	811.5
12.5°	1129.1	1116.8	1098.5	1080.2	1051.8	1023.3	985.5	947.7	915.2	879.9	843.6
15°	1177.5	1171.4	1157.2	1142.9	1116.2	1089.5	1048.3	1007.0	967.5	923.0	875.1
17.5°	1163.1	1170.7	1170.1	1169.5	1151.9	1134.3	1103.3	1072.4	1014.6	957.5	900.9
20°	1126.9	1140.2	1155.5	1170.7	1170.4	1170.1	1144.4	1118.9	1060.5	998.7	929.9
22.5°	1065.0	1084.3	1118.2	1152.1	1170.1	1188.2	1170.7	1153.1	1092.2	1025.7	946.0
25°	1012.2	1036.8	1084.1	1131.4	1168.2	1205.0	1202.3	1199.5	1126.6	1048.8	956.2
27.5°	961.5	989.6	1045.0	1100.6	1156.4	1212.2	1220.8	1229.4	1163.7	1088.7	984.4
30°	931.6	955.2	1011.0	1066.9	1138.8	1210.7	1241.8	1272.8	1205.2	1125.3	1008.4
32.5°	974.7	981.1	1020.0	1058.9	1136.0	1213.1	1264.8	1316.5	1243.6	1156.6	1024.0
35°	1153.0	1132.1	1126.1	1120.2	1178.3	1236.4	1294.4	1352.4	1280.8	1189.0	1038.3
37.5°	1487.4	1427.3	1352.4	1277.5	1287.1	1296.7	1356.1	1415.5	1329.9	1220.9	1049.4
40°	1768.8	1697.6	1593.5	1489.3	1454.6	1419.9	1461.5	1503.2	1409.1	1278.0	1074.6
42.5°	1990.6	1893.5	1779.3	1665.1	1621.6	1578.1	1601.9	1625.6	1495.9	1330.8	1098.6
45°	2265.8	2113.8	1970.8	1827.7	1807.1	1786.4	1810.9	1835.4	1636.2	1404.3	1131.5
47.5°	2645.4	2423.4	2230.6	2037.9	2055.3	2072.7	2129.6	2186.6	1871.1	1522.4	1183.9
50°	3178.0	2854.5	2582.5	2310.6	2391.8	2473.0	2561.9	2650.9	2207.2	1711.6	1276.6
52.5°	3693.0	3272.9	2951.0	2629.2	2771.9	2914.6	2996.3	3078.0	2500.4	1864.6	1347.7
55°	4382.9	3844.7	3487.7	3130.7	3323.7	3516.8	3482.6	3448.5	2697.4	1927.1	1366.2
57.5°	5216.8	4577.2	4243.9	3910.7	4116.9	4323.3	4019.4	3715.6	2726.0	1811.9	1279.3
60°	5968.1	5274.0	4989.3	4704.6	4796.2	4887.8	4278.8	3669.8	2556.5	1558.6	1089.9
62.5°	6136.7	5509.3	5129.0	4748.8	4723.0	4697.2	4034.3	3371.5	2276.0	1309.2	905.7
65°	5819.7	5204.2	4764.6	4325.0	4286.7	4248.4	3624.6	3000.7	1964.5	1074.6	736.9
67.5°	5275.7	4721.7	4319.9	3918.1	3894.9	3871.8	3223.1	2574.3	1636.9	857.0	579.7
70°	4656.7	4246.5	3895.7	3544.9	3494.2	3443.6	2825.5	2207.6	1341.4	659.1	450.4
72.5°	3968.8	3682.0	3425.0	3168.0	3090.5	3013.1	2391.6	1770.0	1035.0	482.7	339.8
75°	3148.1	2996.6	2839.0	2681.4	2574.3	2467.2	1884.7	1302.2	744.9	340.3	251.2
77.5°	2401.1	2294.3	2183.2	2072.0	1958.5	1845.1	1374.0	903.0	513.0	237.4	185.1
80°	1712.0	1656.9	1540.8	1424.6	1296.9	1169.2	833.5	497.9	295.3	153.2	127.8
82.5°	1145.2	1110.7	993.1	875.3	748.3	621.3	433.9	246.4	157.5	96.4	86.0
85°	663.7	660.1	567.4	474.7	379.9	285.1	191.0	96.9	71.2	54.1	51.2
87.5°	307.4	309.1	259.3	209.5	160.7	111.9	73.3	34.9	27.1	22.5	21.6
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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	712.3	707.8	703.3	700.1	696.9	693.2	687.3	684.3	681.3	678.4	675.5
5°	734.5	724.1	713.7	704.9	696.2	688.4	681.2	673.0	664.9	657.8	650.8
7.5°	755.9	739.0	722.3	709.4	696.5	684.3	672.3	662.8	653.2	645.4	637.6
10°	781.5	758.0	734.7	720.3	706.0	694.8	675.9	665.8	655.7	648.1	640.5
12.5°	807.2	777.7	748.3	727.5	706.7	691.1	683.2	678.5	673.8	668.3	662.8
15°	827.2	789.8	752.3	728.5	704.7	688.4	683.9	685.4	687.0	688.8	690.6
17.5°	844.1	795.4	746.7	718.7	690.8	674.8	682.2	687.7	692.9	701.1	709.2
20°	861.1	799.8	738.4	704.6	670.8	655.2	658.5	671.1	683.7	699.0	714.4
22.5°	866.4	793.7	720.9	682.7	644.5	629.1	642.4	657.9	673.3	689.4	705.4
25°	863.5	780.7	697.9	658.9	619.9	607.1	620.6	635.8	650.9	666.4	681.8
27.5°	880.0	783.9	687.7	644.5	601.3	587.4	600.5	613.2	626.0	639.6	653.2
30°	891.4	785.8	680.1	634.6	589.2	574.2	578.5	587.3	596.0	607.9	619.7
32.5°	891.3	776.7	662.2	619.5	576.9	563.3	567.5	571.2	574.9	583.3	591.8
35°	887.5	763.9	640.3	601.2	562.1	551.8	550.5	550.3	550.1	553.9	557.8
37.5°	877.9	744.9	611.8	574.5	537.2	529.8	526.9	524.6	522.1	524.6	527.1
40°	871.2	726.4	581.6	545.6	509.6	507.1	505.0	501.6	498.3	498.5	498.8
42.5°	866.4	711.1	555.9	521.4	486.9	482.0	476.6	474.9	473.3	472.4	471.5
45°	858.8	698.8	538.9	504.2	469.4	455.2	455.0	451.3	447.8	449.0	450.3
47.5°	845.5	686.1	526.7	495.3	463.8	441.3	432.9	431.0	429.1	431.1	433.2
50°	841.8	681.4	521.2	492.3	463.5	430.5	414.6	413.5	412.3	418.1	423.8
52.5°	830.8	669.7	508.6	486.3	464.0	431.1	409.7	406.7	403.7	412.2	420.6
55°	805.3	645.5	485.7	477.5	469.2	449.8	412.2	402.5	392.8	403.2	413.5
57.5°	746.7	609.4	472.0	466.8	461.6	462.0	419.5	401.0	382.7	392.8	403.0
60°	621.1	541.6	462.2	446.7	431.1	446.1	421.0	399.6	378.1	384.0	389.9
62.5°	502.3	464.6	426.9	414.5	402.1	419.6	410.7	392.5	374.3	373.7	373.0
65°	399.1	391.7	384.2	381.5	378.8	383.4	388.4	376.6	364.7	359.4	354.2
67.5°	302.5	309.2	315.9	329.1	342.2	344.0	355.9	349.4	342.9	338.8	334.7
70°	241.7	250.8	260.0	279.4	299.0	308.4	319.1	320.0	320.8	317.8	314.7
72.5°	196.9	204.9	212.9	234.9	256.9	277.6	289.1	289.1	289.1	287.7	286.2
75°	162.2	168.1	173.9	194.3	214.8	241.0	252.9	254.1	255.2	254.3	253.4
77.5°	132.7	135.6	138.4	157.0	175.6	206.4	218.8	221.6	224.4	223.3	222.2
80°	102.4	104.3	106.3	121.8	137.3	164.7	179.2	183.2	187.2	187.0	186.6
82.5°	75.6	76.7	77.8	89.6	101.3	121.0	136.5	142.8	149.1	153.7	158.3
85°	48.5	49.1	49.6	57.0	64.4	76.6	92.3	104.0	115.6	124.1	132.5
87.5°	20.5	19.8	19.1	22.9	26.6	33.2	52.3	64.2	76.1	80.4	84.7
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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	672.8	670.1	668.1	666.0	662.0	658.1	655.9	653.6	652.9	652.1	653.8
5°	646.4	642.0	637.2	632.5	628.8	625.2	622.3	619.5	618.2	617.0	617.4
7.5°	631.2	624.9	620.3	615.9	615.0	614.2	612.3	610.4	610.2	610.1	610.7
10°	634.6	629.0	625.8	622.6	621.6	620.6	620.5	620.4	622.3	624.2	625.8
12.5°	657.0	651.3	651.5	651.8	646.9	642.0	640.7	639.4	641.8	644.1	645.0
15°	689.1	687.5	681.9	676.2	670.4	664.5	662.6	660.6	660.4	660.3	659.5
17.5°	712.6	716.0	709.4	702.6	693.2	683.9	679.4	675.1	673.1	671.1	670.2
20°	720.0	725.7	719.3	712.8	702.3	691.8	684.8	677.9	676.9	675.9	675.8
22.5°	710.4	715.3	711.7	708.1	696.7	685.4	677.8	670.3	667.1	664.0	665.4
25°	688.8	695.9	695.0	694.2	682.4	670.6	662.3	654.0	652.5	650.9	650.5
27.5°	661.0	669.0	670.0	671.1	662.3	653.5	645.8	638.0	636.7	635.3	637.1
30°	627.9	636.0	638.9	641.6	636.0	630.4	625.2	619.9	620.2	620.4	623.1
32.5°	599.5	607.3	611.5	615.9	614.9	614.0	612.0	610.0	607.3	604.5	605.4
35°	564.8	571.8	580.1	588.4	589.5	590.6	591.4	592.1	592.1	592.1	594.4
37.5°	533.2	539.3	547.9	556.6	562.7	568.9	571.7	574.5	576.8	578.9	579.9
40°	504.3	509.8	517.9	526.0	537.5	549.0	555.3	561.6	561.9	562.1	560.8
42.5°	476.2	480.8	493.1	505.4	518.2	530.9	536.6	542.2	544.6	547.1	547.7
45°	456.2	462.0	472.6	483.3	498.0	512.6	519.6	526.6	527.8	529.1	528.8
47.5°	439.1	445.0	458.1	471.1	485.4	499.7	507.1	514.5	515.6	516.7	517.6
50°	430.6	437.4	448.7	460.0	475.2	490.5	500.6	510.8	510.5	510.1	507.4
52.5°	425.8	431.0	441.6	452.2	468.8	485.5	495.4	505.2	506.1	506.9	505.4
55°	419.8	426.1	437.8	449.4	464.3	479.1	488.6	498.1	499.1	500.2	497.2
57.5°	413.9	424.7	436.6	448.4	463.6	478.7	486.9	495.0	493.2	491.3	489.0
60°	405.5	421.0	432.2	443.3	457.4	471.5	477.1	482.7	480.5	478.3	473.2
62.5°	389.7	406.2	419.0	431.8	444.6	457.4	461.4	465.4	463.3	461.1	455.5
65°	368.8	383.6	397.2	410.8	421.4	432.0	436.8	441.7	438.2	434.7	429.0
67.5°	349.0	363.4	373.9	384.4	394.9	405.4	409.4	413.4	409.5	405.7	398.3
70°	325.3	335.7	349.2	362.7	368.5	374.3	376.6	378.8	375.1	371.5	366.7
72.5°	296.6	307.0	315.8	324.7	330.2	335.7	338.3	340.8	336.8	332.7	326.3
75°	262.3	271.2	279.3	287.4	293.4	299.3	300.9	302.3	297.3	292.2	285.5
77.5°	227.6	233.1	236.5	240.0	246.8	253.5	254.8	256.1	252.2	248.4	242.3
80°	189.1	191.7	192.6	193.5	198.6	203.5	204.9	206.2	204.4	202.6	197.4
82.5°	160.0	161.7	154.2	146.8	150.8	154.7	157.8	160.8	160.0	159.2	154.9
85°	127.5	122.6	103.3	84.1	91.7	99.3	104.4	109.5	110.4	111.2	108.2
87.5°	78.0	71.3	57.2	43.0	49.2	55.5	60.5	65.6	62.3	59.0	52.2
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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	655.4	657.6	655.4	653.8	652.1	652.9	653.6	655.9	658.1	662.0	666.0
5°	617.7	617.6	617.7	617.4	617.0	618.2	619.5	622.3	625.2	628.8	632.5
7.5°	611.1	608.8	611.1	610.7	610.1	610.2	610.4	612.3	614.2	615.0	615.9
10°	627.4	626.4	627.4	625.8	624.2	622.3	620.4	620.5	620.6	621.6	622.6
12.5°	645.9	644.0	645.9	645.0	644.1	641.8	639.4	640.7	642.0	646.9	651.8
15°	658.6	657.6	658.6	659.5	660.3	660.4	660.6	662.6	664.5	670.4	676.2
17.5°	669.2	670.4	669.2	670.2	671.1	673.1	675.1	679.4	683.9	693.2	702.6
20°	675.7	675.2	675.7	675.8	675.9	676.9	677.9	684.8	691.8	702.3	712.8
22.5°	666.7	671.1	666.7	665.4	664.0	667.1	670.3	677.8	685.4	696.7	708.1
25°	650.1	648.1	650.1	650.5	650.9	652.5	654.0	662.3	670.6	682.4	694.2
27.5°	638.7	639.9	638.7	637.1	635.3	636.7	638.0	645.8	653.5	662.3	671.1
30°	625.7	630.4	625.7	623.1	620.4	620.2	619.9	625.2	630.4	636.0	641.6
32.5°	606.4	610.1	606.4	605.4	604.5	607.3	610.0	612.0	614.0	614.9	615.9
35°	596.6	601.3	596.6	594.4	592.1	592.1	592.1	591.4	590.6	589.5	588.4
37.5°	580.8	581.0	580.8	579.9	578.9	576.8	574.5	571.7	568.9	562.7	556.6
40°	559.4	559.9	559.4	560.8	562.1	561.9	561.6	555.3	549.0	537.5	526.0
42.5°	548.3	549.8	548.3	547.7	547.1	544.6	542.2	536.6	530.9	518.2	505.4
45°	528.4	526.7	528.4	528.8	529.1	527.8	526.6	519.6	512.6	498.0	483.3
47.5°	518.5	519.9	518.5	517.6	516.7	515.6	514.5	507.1	499.7	485.4	471.1
50°	504.7	503.7	504.7	507.4	510.1	510.5	510.8	500.6	490.5	475.2	460.0
52.5°	503.8	504.4	503.8	505.4	506.9	506.1	505.2	495.4	485.5	468.8	452.2
55°	494.2	492.2	494.2	497.2	500.2	499.1	498.1	488.6	479.1	464.3	449.4
57.5°	486.7	487.4	486.7	489.0	491.3	493.2	495.0	486.9	478.7	463.6	448.4
60°	468.3	464.4	468.3	473.2	478.3	480.5	482.7	477.1	471.5	457.4	443.3
62.5°	449.8	442.7	449.8	455.5	461.1	463.3	465.4	461.4	457.4	444.6	431.8
65°	423.3	419.6	423.3	429.0	434.7	438.2	441.7	436.8	432.0	421.4	410.8
67.5°	390.8	385.0	390.8	398.3	405.7	409.5	413.4	409.4	405.4	394.9	384.4
70°	362.0	357.9	362.0	366.7	371.5	375.1	378.8	376.6	374.3	368.5	362.7
72.5°	320.0	315.9	320.0	326.3	332.7	336.8	340.8	338.3	335.7	330.2	324.7
75°	279.0	273.2	279.0	285.5	292.2	297.3	302.3	300.9	299.3	293.4	287.4
77.5°	236.0	230.5	236.0	242.3	248.4	252.2	256.1	254.8	253.5	246.8	240.0
80°	192.4	185.1	192.4	197.4	202.6	204.4	206.2	204.9	203.5	198.6	193.5
82.5°	150.6	144.4	150.6	154.9	159.2	160.0	160.8	157.8	154.7	150.8	146.8
85°	105.2	100.3	105.2	108.2	111.2	110.4	109.5	104.4	99.3	91.7	84.1
87.5°	45.4	38.0	45.4	52.2	59.0	62.3	65.6	60.5	55.5	49.2	43.0
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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	668.1	670.1	672.8	675.5	678.4	681.3	684.3	687.3	693.2	696.9	700.1
5°	637.2	642.0	646.4	650.8	657.8	664.9	673.0	681.2	688.4	696.2	704.9
7.5°	620.3	624.9	631.2	637.6	645.4	653.2	662.8	672.3	684.3	696.5	709.4
10°	625.8	629.0	634.6	640.5	648.1	655.7	665.8	675.9	694.8	706.0	720.3
12.5°	651.5	651.3	657.0	662.8	668.3	673.8	678.5	683.2	691.1	706.7	727.5
15°	681.9	687.5	689.1	690.6	688.8	687.0	685.4	683.9	688.4	704.7	728.5
17.5°	709.4	716.0	712.6	709.2	701.1	692.9	687.7	682.2	674.8	690.8	718.7
20°	719.3	725.7	720.0	714.4	699.0	683.7	671.1	658.5	655.2	670.8	704.6
22.5°	711.7	715.3	710.4	705.4	689.4	673.3	657.9	642.4	629.1	644.5	682.7
25°	695.0	695.9	688.8	681.8	666.4	650.9	635.8	620.6	607.1	619.9	658.9
27.5°	670.0	669.0	661.0	653.2	639.6	626.0	613.2	600.5	587.4	601.3	644.5
30°	638.9	636.0	627.9	619.7	607.9	596.0	587.3	578.5	574.2	589.2	634.6
32.5°	611.5	607.3	599.5	591.8	583.3	574.9	571.2	567.5	563.3	576.9	619.5
35°	580.1	571.8	564.8	557.8	553.9	550.1	550.3	550.5	551.8	562.1	601.2
37.5°	547.9	539.3	533.2	527.1	524.6	522.1	524.6	526.9	529.8	537.2	574.5
40°	517.9	509.8	504.3	498.8	498.5	498.3	501.6	505.0	507.1	509.6	545.6
42.5°	493.1	480.8	476.2	471.5	472.4	473.3	474.9	476.6	482.0	486.9	521.4
45°	472.6	462.0	456.2	450.3	449.0	447.8	451.3	455.0	455.2	469.4	504.2
47.5°	458.1	445.0	439.1	433.2	431.1	429.1	431.0	432.9	441.3	463.8	495.3
50°	448.7	437.4	430.6	423.8	418.1	412.3	413.5	414.6	430.5	463.5	492.3
52.5°	441.6	431.0	425.8	420.6	412.2	403.7	406.7	409.7	431.1	464.0	486.3
55°	437.8	426.1	419.8	413.5	403.2	392.8	402.5	412.2	449.8	469.2	477.5
57.5°	436.6	424.7	413.9	403.0	392.8	382.7	401.0	419.5	462.0	461.6	466.8
60°	432.2	421.0	405.5	389.9	384.0	378.1	399.6	421.0	446.1	431.1	446.7
62.5°	419.0	406.2	389.7	373.0	373.7	374.3	392.5	410.7	419.6	402.1	414.5
65°	397.2	383.6	368.8	354.2	359.4	364.7	376.6	388.4	383.4	378.8	381.5
67.5°	373.9	363.4	349.0	334.7	338.8	342.9	349.4	355.9	344.0	342.2	329.1
70°	349.2	335.7	325.3	314.7	317.8	320.8	320.0	319.1	308.4	299.0	279.4
72.5°	315.8	307.0	296.6	286.2	287.7	289.1	289.1	289.1	277.6	256.9	234.9
75°	279.3	271.2	262.3	253.4	254.3	255.2	254.1	252.9	241.0	214.8	194.3
77.5°	236.5	233.1	227.6	222.2	223.3	224.4	221.6	218.8	206.4	175.6	157.0
80°	192.6	191.7	189.1	186.6	187.0	187.2	183.2	179.2	164.7	137.3	121.8
82.5°	154.2	161.7	160.0	158.3	153.7	149.1	142.8	136.5	121.0	101.3	89.6
85°	103.3	122.6	127.5	132.5	124.1	115.6	104.0	92.3	76.6	64.4	57.0
87.5°	57.2	71.3	78.0	84.7	80.4	76.1	64.2	52.3	33.2	26.6	22.9
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: P1208264

CATALOG NUMBER: UPW-SA1-060-727-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	690.8	690.8	690.8	690.8	690.8	690.8	690.8
2.5°	703.3	707.8	712.3	714.8	717.4	718.0	719.9
5°	713.7	724.1	734.5	745.6	756.7	764.5	770.1
7.5°	722.3	739.0	755.9	773.5	791.2	812.7	838.2
10°	734.7	758.0	781.5	811.5	841.6	866.6	887.7
12.5°	748.3	777.7	807.2	843.6	879.9	915.2	947.7
15°	752.3	789.8	827.2	875.1	923.0	967.5	1007.0
17.5°	746.7	795.4	844.1	900.9	957.5	1014.6	1072.4
20°	738.4	799.8	861.1	929.9	998.7	1060.5	1118.9
22.5°	720.9	793.7	866.4	946.0	1025.7	1092.2	1153.1
25°	697.9	780.7	863.5	956.2	1048.8	1126.6	1199.5
27.5°	687.7	783.9	880.0	984.4	1088.7	1163.7	1229.4
30°	680.1	785.8	891.4	1008.4	1125.3	1205.2	1272.8
32.5°	662.2	776.7	891.3	1024.0	1156.6	1243.6	1316.5
35°	640.3	763.9	887.5	1038.3	1189.0	1280.8	1352.4
37.5°	611.8	744.9	877.9	1049.4	1220.9	1329.9	1415.5
40°	581.6	726.4	871.2	1074.6	1278.0	1409.1	1503.2
42.5°	555.9	711.1	866.4	1098.6	1330.8	1495.9	1625.6
45°	538.9	698.8	858.8	1131.5	1404.3	1636.2	1835.4
47.5°	526.7	686.1	845.5	1183.9	1522.4	1871.1	2186.6
50°	521.2	681.4	841.8	1276.6	1711.6	2207.2	2650.9
52.5°	508.6	669.7	830.8	1347.7	1864.6	2500.4	3078.0
55°	485.7	645.5	805.3	1366.2	1927.1	2697.4	3448.5
57.5°	472.0	609.4	746.7	1279.3	1811.9	2726.0	3715.6
60°	462.2	541.6	621.1	1089.9	1558.6	2556.5	3669.8
62.5°	426.9	464.6	502.3	905.7	1309.2	2276.0	3371.5
65°	384.2	391.7	399.1	736.9	1074.6	1964.5	3000.7
67.5°	315.9	309.2	302.5	579.7	857.0	1636.9	2574.3
70°	260.0	250.8	241.7	450.4	659.1	1341.4	2207.6
72.5°	212.9	204.9	196.9	339.8	482.7	1035.0	1770.0
75°	173.9	168.1	162.2	251.2	340.3	744.9	1302.2
77.5°	138.4	135.6	132.7	185.1	237.4	513.0	903.0
80°	106.3	104.3	102.4	127.8	153.2	295.3	497.9
82.5°	77.8	76.7	75.6	86.0	96.4	157.5	246.4
85°	49.6	49.1	48.5	51.2	54.1	71.2	96.9
87.5°	19.1	19.8	20.5	21.6	22.5	27.1	34.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)