

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: P1209235

Luminaire Tested: UPW-SA2-110-727-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-727-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATING LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7806 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

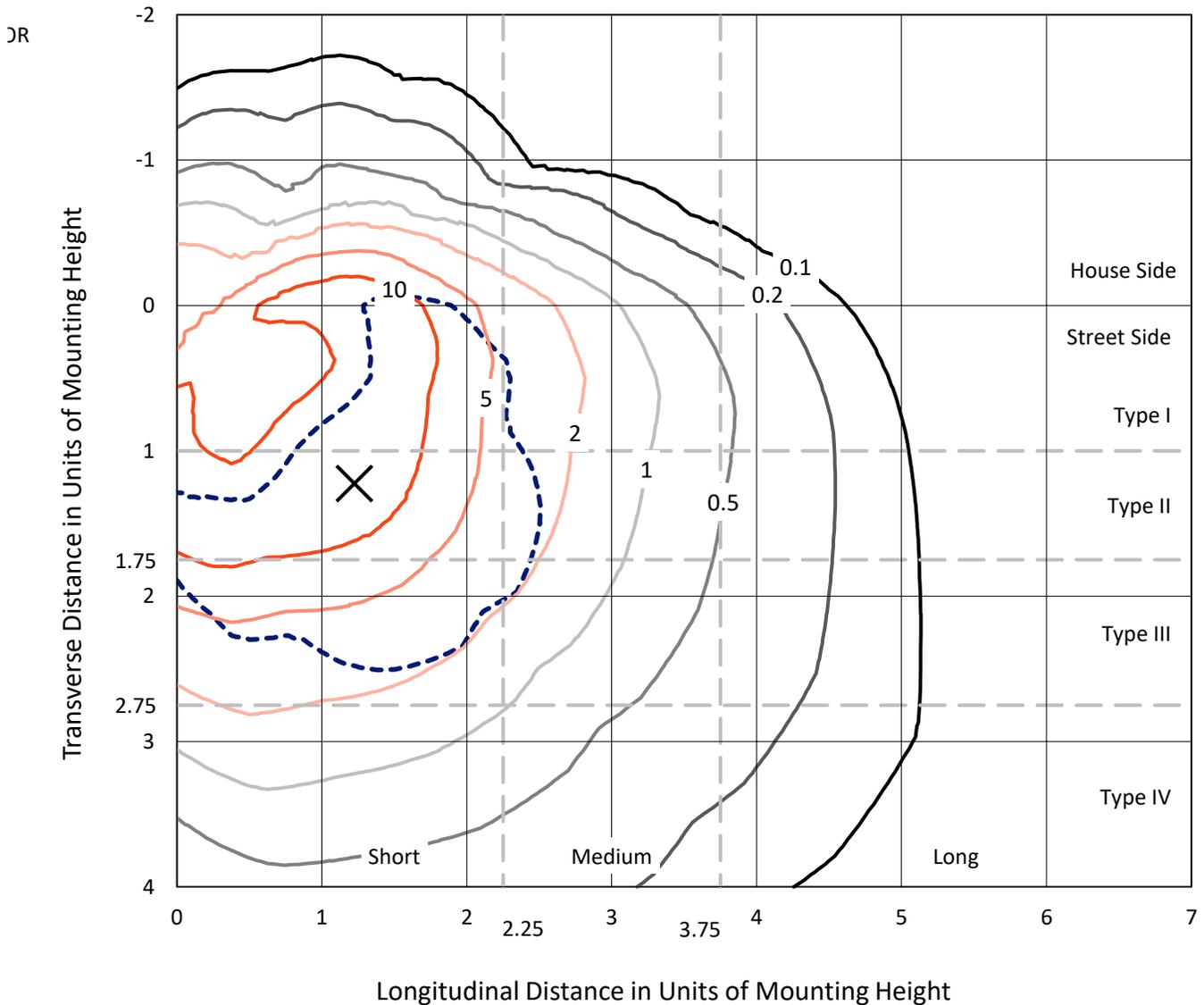
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209235
 CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

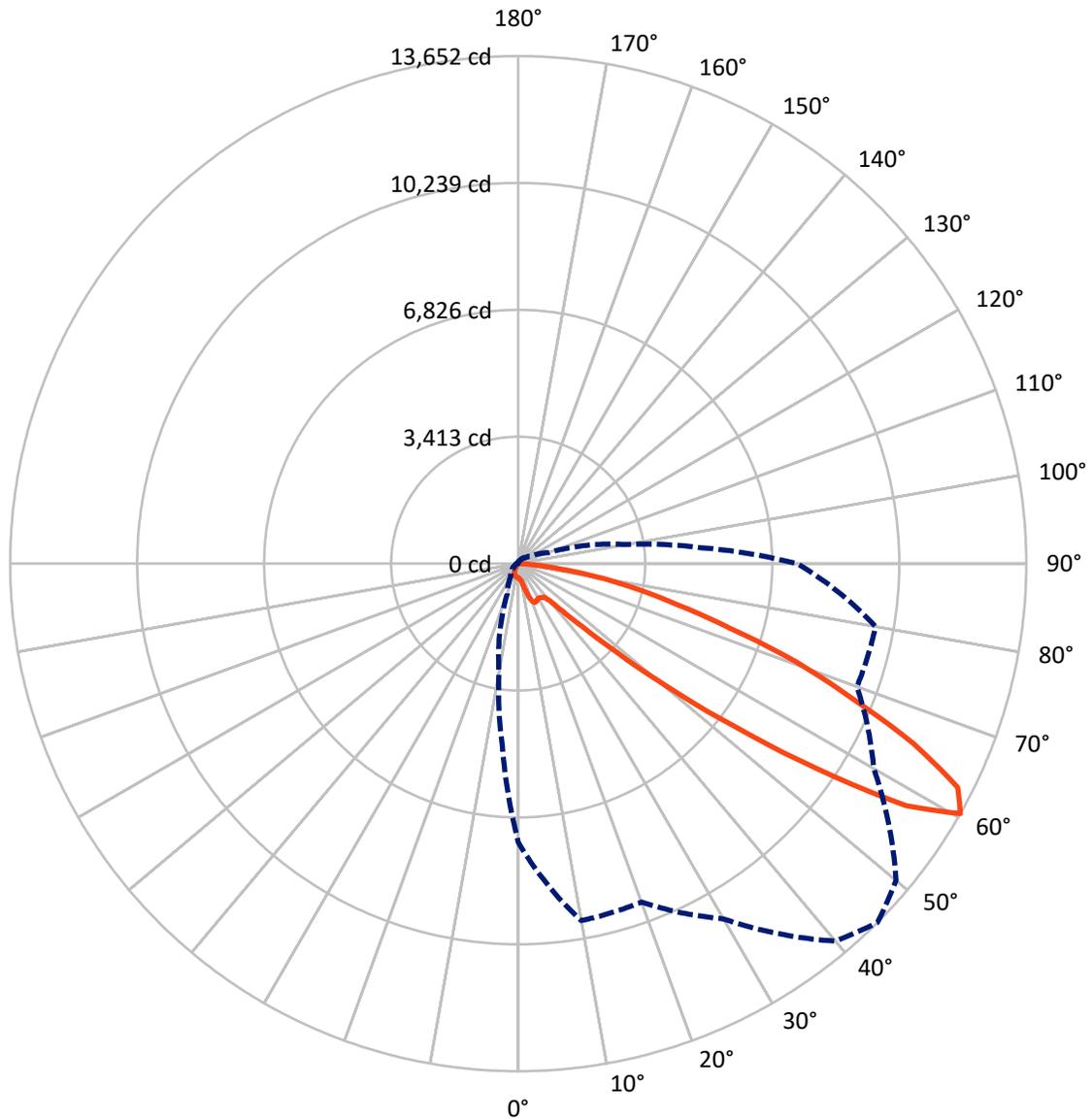
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1209235
CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	899.3	0.0	899.3
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	6906.7	0.0	6906.7
	% Fixture	88.5	0.0	88.5
Total	Lumens	7806.0	0.0	7806.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	0.5
10°-20°	120.4	1.5
20°-30°	260.1	3.3
30°-40°	438.2	5.6
40°-50°	885.0	11.3
50°-60°	2276.3	29.2
60°-70°	2474.9	31.7
70°-80°	1165.9	14.9
80°-90°	149.7	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°	7806.0	100.0
0°-180°	7806.0	100.0



REPORT NUMBER: P1209235

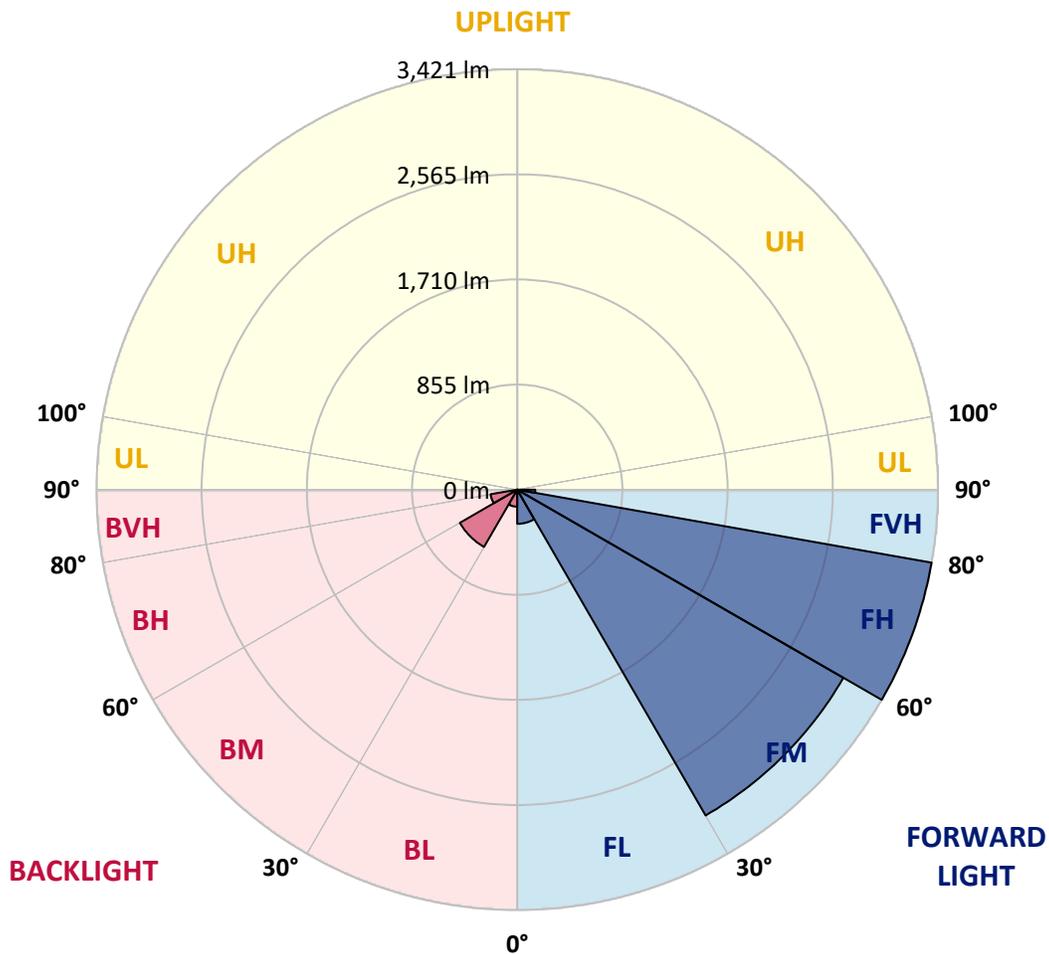
CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.8	3.6			
FM	(30°-60°)	3061.2	39.2			
FH	(60°-80°)	3420.6	43.8			G2/5000
FVH	(80°-90°)	147.0	1.9			G2/225
BL	(0°-30°)	138.3	1.8	B1/500		
BM	(30°-60°)	538.3	6.9	B1/1000		
BH	(60°-80°)	220.1	2.8	B1/500		G1/500
BVH	(80°-90°)	2.6	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: P1209235
 CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	390.9	392.1	393.3	395.0	396.8	397.6	398.6	399.0	399.4	396.2	399.4
5°	389.6	392.9	396.2	400.2	404.1	406.2	408.4	409.4	410.5	413.4	410.5
7.5°	377.0	385.4	393.8	401.5	409.2	415.0	421.1	426.1	431.2	434.6	431.2
10°	378.3	393.7	409.2	424.1	439.2	450.8	462.4	470.2	478.1	482.3	478.1
12.5°	406.1	431.2	456.1	481.2	506.4	530.1	553.9	569.6	585.4	596.3	585.4
15°	463.8	510.8	557.8	601.8	645.9	682.6	719.5	739.0	758.4	760.6	758.4
17.5°	580.4	649.1	717.9	776.3	834.8	873.8	912.9	931.6	950.3	955.3	950.3
20°	730.7	817.3	903.7	958.8	1013.9	1040.1	1066.4	1076.2	1086.0	1079.9	1086.0
22.5°	907.6	999.3	1091.1	1128.9	1166.7	1164.2	1161.8	1153.6	1145.3	1131.6	1145.3
25°	1121.6	1197.8	1274.0	1266.0	1258.1	1225.8	1193.6	1166.3	1139.0	1126.3	1139.0
27.5°	1339.6	1380.8	1422.0	1365.6	1309.1	1247.6	1186.1	1149.7	1113.1	1090.5	1113.1
30°	1600.0	1573.3	1546.6	1446.1	1345.5	1267.8	1189.9	1146.7	1103.5	1077.2	1103.5
32.5°	1872.9	1778.8	1684.8	1541.5	1398.2	1307.7	1217.0	1167.1	1117.0	1085.2	1117.0
35°	2122.0	1967.8	1813.7	1632.1	1450.6	1353.1	1255.8	1198.1	1140.6	1115.7	1140.6
37.5°	2400.3	2167.8	1935.6	1715.4	1495.3	1388.9	1282.6	1229.6	1176.7	1150.1	1176.7
40°	2694.4	2389.0	2083.6	1826.4	1569.1	1475.5	1382.0	1347.3	1312.6	1305.1	1312.6
42.5°	3052.2	2677.1	2301.8	2026.7	1751.7	1707.4	1663.2	1674.9	1686.6	1734.4	1686.6
45°	3698.8	3240.4	2782.3	2471.7	2161.1	2177.5	2194.0	2284.2	2374.6	2427.4	2374.6
47.5°	4642.2	4143.8	3645.4	3249.1	2852.7	2963.0	3073.4	3292.5	3511.8	3559.0	3511.8
50°	5892.3	5362.4	4832.6	4338.0	3843.2	4075.7	4308.3	4727.2	5146.1	5215.2	5146.1
52.5°	7021.2	6612.6	6204.0	5625.2	5046.3	5441.2	5836.0	6450.9	7066.0	7254.4	7066.0
55°	7740.7	7874.3	8007.7	7400.2	6792.7	7274.2	7755.6	8565.9	9376.3	9737.5	9376.3
57.5°	7991.1	8780.3	9569.5	9144.0	8718.6	9215.4	9712.3	10713.8	11715.2	12285.5	11715.2
60°	7491.6	8621.0	9750.5	9717.1	9683.8	10358.1	11032.3	12142.9	13253.5	13651.6	13253.5
62.5°	6666.8	7598.3	8529.8	8699.0	8868.3	9818.2	10768.1	11805.3	12842.5	13250.1	12842.5
65°	5700.9	6534.2	7367.3	7498.2	7629.1	8643.3	9657.7	10594.5	11531.3	11669.4	11531.3
67.5°	4884.7	5728.0	6571.4	6653.7	6736.1	7598.9	8461.8	9156.4	9850.9	9680.5	9850.9
70°	4030.7	4922.5	5814.4	5950.8	6087.1	6697.9	7308.8	7714.7	8120.7	7915.6	8120.7
72.5°	3072.0	3975.3	4878.7	5004.6	5130.4	5554.6	5978.7	6179.6	6380.2	5975.8	6380.2
75°	2140.6	2916.9	3693.1	3858.4	4023.8	4321.1	4618.7	4699.5	4780.4	4407.0	4780.4
77.5°	1148.1	1668.5	2188.9	2481.9	2774.8	3097.3	3419.9	3458.3	3496.7	3248.9	3496.7
80°	337.9	576.4	814.9	1159.3	1503.6	1891.1	2278.8	2297.4	2316.1	2131.9	2316.1
82.5°	102.0	205.5	309.0	548.6	788.1	1069.8	1351.5	1325.0	1298.4	1111.7	1298.4
85°	22.5	71.6	120.6	266.3	412.1	540.7	669.4	617.1	564.7	458.5	564.7
87.5°	3.3	19.7	36.0	94.9	153.7	185.5	217.3	177.4	137.5	124.6	137.5
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: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	399.0	398.6	397.6	396.8	395.0	393.3	392.1	390.9	392.2	391.1	389.6
5°	409.4	408.4	406.2	404.1	400.2	396.2	392.9	389.6	384.5	380.5	377.9
7.5°	426.1	421.1	415.0	409.2	401.5	393.8	385.4	377.0	371.8	367.0	363.1
10°	470.2	462.4	450.8	439.2	424.1	409.2	393.7	378.3	371.9	363.7	357.5
12.5°	569.6	553.9	530.1	506.4	481.2	456.1	431.2	406.1	390.5	373.4	360.7
15°	739.0	719.5	682.6	645.9	601.8	557.8	510.8	463.8	431.7	400.8	377.4
17.5°	931.6	912.9	873.8	834.8	776.3	717.9	649.1	580.4	510.3	451.2	408.2
20°	1076.2	1066.4	1040.1	1013.9	958.8	903.7	817.3	730.7	623.5	527.4	457.0
22.5°	1153.6	1161.8	1164.2	1166.7	1128.9	1091.1	999.3	907.6	777.8	642.4	535.0
25°	1166.3	1193.6	1225.8	1258.1	1266.0	1274.0	1197.8	1121.6	962.6	779.4	627.4
27.5°	1149.7	1186.1	1247.6	1309.1	1365.6	1422.0	1380.8	1339.6	1171.2	954.7	753.4
30°	1146.7	1189.9	1267.8	1345.5	1446.1	1546.6	1573.3	1600.0	1409.7	1149.8	894.6
32.5°	1167.1	1217.0	1307.7	1398.2	1541.5	1684.8	1778.8	1872.9	1671.2	1367.7	1052.9
35°	1198.1	1255.8	1353.1	1450.6	1632.1	1813.7	1967.8	2122.0	1937.4	1605.6	1232.9
37.5°	1229.6	1282.6	1388.9	1495.3	1715.4	1935.6	2167.8	2400.3	2229.9	1873.3	1436.4
40°	1347.3	1382.0	1475.5	1569.1	1826.4	2083.6	2389.0	2694.4	2550.6	2157.8	1647.3
42.5°	1674.9	1663.2	1707.4	1751.7	2026.7	2301.8	2677.1	3052.2	2892.0	2443.6	1851.8
45°	2284.2	2194.0	2177.5	2161.1	2471.7	2782.3	3240.4	3698.8	3383.3	2788.9	2076.4
47.5°	3292.5	3073.4	2963.0	2852.7	3249.1	3645.4	4143.8	4642.2	4115.5	3231.4	2327.9
50°	4727.2	4308.3	4075.7	3843.2	4338.0	4832.6	5362.4	5892.3	4976.3	3692.8	2569.1
52.5°	6450.9	5836.0	5441.2	5046.3	5625.2	6204.0	6612.6	7021.2	5593.5	3948.5	2672.7
55°	8565.9	7755.6	7274.2	6792.7	7400.2	8007.7	8784.3	9740.7	8528.1	5950.1	2621.7
57.5°	10713.8	9712.3	9215.4	8718.6	9144.0	9569.5	8780.3	7991.1	5532.6	3585.2	2361.3
60°	12142.9	11032.3	10358.1	9683.8	9717.1	9750.5	8621.0	7491.6	4922.0	2962.7	1912.7
62.5°	11805.3	10768.1	9818.2	8868.3	8699.0	8529.8	7598.3	6666.8	4192.5	2394.6	1517.1
65°	10594.5	9657.7	8643.3	7629.1	7498.2	7367.3	6534.2	5700.9	3509.8	1932.9	1191.7
67.5°	9156.4	8461.8	7598.9	6736.1	6653.7	6571.4	5728.0	4884.7	2821.7	1488.3	885.2
70°	7714.7	7308.8	6697.9	6087.1	5950.8	5814.4	4922.5	4030.7	2185.3	1115.7	656.9
72.5°	6179.6	5978.7	5554.6	5130.4	5004.6	4878.7	3975.3	3072.0	1507.5	736.0	436.7
75°	4699.5	4618.7	4321.1	4023.8	3858.4	3693.1	2916.9	2140.6	962.8	453.2	274.4
77.5°	3458.3	3419.9	3097.3	2774.8	2481.9	2188.9	1668.5	1148.1	504.4	237.8	149.5
80°	2297.4	2278.8	1891.1	1503.6	1159.3	814.9	576.4	337.9	153.0	81.9	59.8
82.5°	1325.0	1351.5	1069.8	788.1	548.6	309.0	205.5	102.0	46.6	29.2	24.9
85°	617.1	669.4	540.7	412.1	266.3	120.6	71.6	22.5	11.4	9.0	8.2
87.5°	177.4	217.3	185.5	153.7	94.9	36.0	19.7	3.3	0.5	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: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	388.0	387.2	386.6	386.1	385.6	384.3	383.7	384.1	384.5	384.0	383.2
5°	375.2	372.9	370.3	367.7	365.0	363.1	359.9	359.9	359.7	360.7	361.7
7.5°	359.1	355.8	352.5	350.1	347.8	346.5	346.1	343.7	341.6	341.6	341.6
10°	351.1	347.2	343.2	339.5	335.9	332.6	333.2	331.8	330.2	329.3	328.3
12.5°	348.2	341.7	335.2	331.3	327.3	324.6	323.0	321.1	319.1	317.9	316.7
15°	353.8	342.5	331.3	326.1	320.9	316.7	311.1	309.9	308.7	307.3	305.8
17.5°	365.4	346.1	327.0	320.0	313.0	308.1	305.0	301.8	298.8	296.1	293.5
20°	386.6	355.6	324.6	315.1	305.4	300.8	296.0	291.9	287.8	284.2	280.6
22.5°	427.7	377.1	326.6	311.6	296.8	290.2	282.5	278.8	275.3	271.0	266.6
25°	475.4	400.7	326.0	305.0	284.2	276.9	272.7	267.5	262.4	257.6	252.8
27.5°	552.3	441.2	330.2	301.8	273.2	264.3	259.8	254.9	250.2	245.1	240.1
30°	639.7	490.0	340.3	301.3	262.4	251.1	247.0	242.7	238.5	233.3	228.2
32.5°	738.0	544.8	351.8	303.2	254.4	242.5	234.8	230.0	225.3	220.6	216.0
35°	860.2	614.5	368.6	304.6	240.5	227.2	220.7	216.8	212.7	207.5	202.5
37.5°	999.7	692.5	385.3	305.9	226.6	212.0	207.8	204.6	201.4	196.0	190.5
40°	1136.9	769.0	401.2	308.2	215.3	199.4	194.2	192.0	189.7	184.4	179.1
42.5°	1260.1	837.7	415.4	312.2	209.1	184.2	181.7	178.7	176.0	170.9	165.9
45°	1364.1	896.0	428.0	319.9	211.7	170.9	166.4	163.9	161.4	157.9	154.8
47.5°	1424.4	931.5	438.6	331.4	224.2	162.3	149.2	147.6	146.0	145.1	144.2
50°	1445.3	947.2	449.2	348.6	248.0	170.9	144.4	139.0	133.6	133.6	133.6
52.5°	1396.8	921.1	445.5	359.3	273.2	200.1	152.5	136.7	120.8	120.6	120.3
55°	1293.2	860.1	426.9	360.7	294.4	240.5	172.4	141.5	110.6	107.9	104.9
57.5°	1137.5	775.0	412.3	349.1	285.9	256.4	188.4	146.8	104.9	97.0	89.0
60°	862.6	642.9	423.3	338.7	254.1	230.6	184.7	144.4	104.4	90.1	75.8
62.5°	639.7	512.0	384.3	301.6	218.9	182.9	165.0	135.8	106.7	86.7	66.5
65°	450.5	390.6	330.6	268.7	206.7	143.8	136.2	120.3	104.4	82.7	61.0
67.5°	282.2	255.6	229.0	202.1	175.2	119.9	106.3	94.7	83.2	68.4	53.7
70°	198.1	182.6	167.0	153.2	139.4	101.4	82.4	72.6	62.9	55.1	47.4
72.5°	137.5	126.4	115.3	108.1	101.0	83.5	63.9	55.1	46.4	41.6	36.8
75°	95.7	87.5	79.2	72.7	66.3	55.0	41.6	35.2	28.9	26.4	23.9
77.5°	61.0	54.6	48.4	42.9	37.4	34.5	25.8	22.3	18.6	17.8	17.0
80°	37.8	33.4	29.2	24.9	20.5	19.2	13.3	11.8	10.3	10.3	10.3
82.5°	20.5	18.0	15.6	12.6	9.5	8.0	5.6	4.8	4.0	4.0	4.0
85°	7.7	6.6	5.6	4.5	3.3	2.0	0.8	1.1	1.3	1.2	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.3
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: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	382.1	380.9	381.9	382.9	381.7	380.5	380.8	380.9	379.6	378.3	376.8
5°	361.9	362.0	363.6	365.0	365.6	366.0	366.5	367.0	367.3	367.7	367.8
7.5°	341.9	342.1	343.0	343.8	345.0	346.1	349.0	351.8	353.2	354.8	356.6
10°	327.5	327.0	329.8	332.6	333.4	334.2	337.6	340.8	342.6	344.5	346.0
12.5°	315.4	314.0	315.4	316.7	319.2	321.7	326.5	331.3	335.0	338.5	339.3
15°	304.5	303.2	304.2	305.4	306.7	308.1	312.8	317.7	321.8	326.0	327.9
17.5°	291.2	288.9	287.8	286.9	291.2	295.5	299.6	303.7	308.1	312.4	316.1
20°	277.7	274.9	274.3	273.6	275.5	277.2	282.5	287.8	293.1	298.4	300.1
22.5°	262.6	258.6	257.6	256.4	257.3	258.4	261.0	263.7	267.7	271.6	274.5
25°	248.6	244.5	241.2	237.8	238.0	238.2	239.7	241.2	242.6	244.1	245.8
27.5°	235.3	230.6	226.3	221.9	220.2	218.6	217.2	215.7	215.3	214.9	214.7
30°	222.5	216.6	212.0	207.4	202.6	197.7	194.6	191.5	188.2	184.8	182.3
32.5°	210.4	204.7	196.4	188.2	183.1	178.2	172.4	166.7	160.6	154.8	150.8
35°	196.1	189.7	182.1	174.2	165.8	157.4	148.9	140.5	132.5	124.6	120.0
37.5°	182.7	174.9	166.7	158.3	146.5	134.9	125.1	115.3	107.2	99.1	94.3
40°	170.1	161.0	149.7	138.5	125.7	112.9	102.3	91.7	84.0	76.2	72.2
42.5°	157.1	148.4	135.4	122.6	108.5	94.3	83.3	72.2	65.6	59.0	55.4
45°	144.7	134.9	119.8	104.7	91.4	78.2	68.6	59.0	52.7	46.4	43.6
47.5°	133.6	123.0	107.2	91.4	78.8	66.3	57.2	48.4	42.5	36.8	34.2
50°	122.7	112.0	96.1	80.2	68.6	57.0	49.0	41.1	35.6	30.2	27.6
52.5°	110.8	101.4	85.9	70.2	61.1	51.9	44.4	36.8	31.0	25.2	22.5
55°	96.6	88.1	75.3	62.3	54.1	45.7	39.0	32.1	26.0	19.9	17.1
57.5°	82.0	74.9	63.9	53.0	46.1	39.1	32.6	26.2	20.4	14.6	12.2
60°	69.4	62.9	53.7	44.4	37.6	30.7	25.2	19.6	14.4	9.3	6.9
62.5°	59.9	53.3	44.3	35.1	29.7	24.1	19.2	14.3	9.4	4.6	2.5
65°	52.9	44.8	37.0	29.2	23.2	17.2	12.7	8.2	5.0	1.6	0.8
67.5°	44.9	36.0	28.6	21.2	16.0	10.9	7.2	3.3	1.6	0.0	0.0
70°	37.8	28.1	20.0	11.9	8.0	4.0	2.4	0.7	0.3	0.0	0.0
72.5°	28.6	20.5	13.0	5.3	3.4	1.6	1.1	0.3	0.1	0.0	0.0
75°	19.1	14.3	9.1	4.0	2.5	1.1	0.5	0.0	0.0	0.0	0.0
77.5°	14.0	11.3	6.9	2.7	1.6	0.7	0.3	0.0	0.0	0.0	0.0
80°	8.5	6.6	4.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.3	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	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: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	375.2	375.0	375.2	376.8	378.3	379.6	380.9	380.8	380.5	381.7	382.9
5°	368.1	368.4	368.1	367.8	367.7	367.3	367.0	366.5	366.0	365.6	365.0
7.5°	358.4	361.7	358.4	356.6	354.8	353.2	351.8	349.0	346.1	345.0	343.8
10°	347.4	349.8	347.4	346.0	344.5	342.6	340.8	337.6	334.2	333.4	332.6
12.5°	340.3	340.5	340.3	339.3	338.5	335.0	331.3	326.5	321.7	319.2	316.7
15°	329.9	331.3	329.9	327.9	326.0	321.8	317.7	312.8	308.1	306.7	305.4
17.5°	320.0	322.0	320.0	316.1	312.4	308.1	303.7	299.6	295.5	291.2	286.9
20°	301.8	300.8	301.8	300.1	298.4	293.1	287.8	282.5	277.2	275.5	273.6
22.5°	277.6	280.9	277.6	274.5	271.6	267.7	263.7	261.0	258.4	257.3	256.4
25°	247.5	249.1	247.5	245.8	244.1	242.6	241.2	239.7	238.2	238.0	237.8
27.5°	214.4	213.3	214.4	214.7	214.9	215.3	215.7	217.2	218.6	220.2	221.9
30°	179.9	178.9	179.9	182.3	184.8	188.2	191.5	194.6	197.7	202.6	207.4
32.5°	146.8	144.4	146.8	150.8	154.8	160.6	166.7	172.4	178.2	183.1	188.2
35°	115.5	114.0	115.5	120.0	124.6	132.5	140.5	148.9	157.4	165.8	174.2
37.5°	89.8	87.5	89.8	94.3	99.1	107.2	115.3	125.1	134.9	146.5	158.3
40°	68.2	66.3	68.2	72.2	76.2	84.0	91.7	102.3	112.9	125.7	138.5
42.5°	51.7	49.0	51.7	55.4	59.0	65.6	72.2	83.3	94.3	108.5	122.6
45°	40.8	39.8	40.8	43.6	46.4	52.7	59.0	68.6	78.2	91.4	104.7
47.5°	31.5	30.5	31.5	34.2	36.8	42.5	48.4	57.2	66.3	78.8	91.4
50°	24.9	23.9	24.9	27.6	30.2	35.6	41.1	49.0	57.0	68.6	80.2
52.5°	19.9	18.6	19.9	22.5	25.2	31.0	36.8	44.4	51.9	61.1	70.2
55°	14.3	13.3	14.3	17.1	19.9	26.0	32.1	39.0	45.7	54.1	62.3
57.5°	9.9	9.3	9.9	12.2	14.6	20.4	26.2	32.6	39.1	46.1	53.0
60°	4.6	4.0	4.6	6.9	9.3	14.4	19.6	25.2	30.7	37.6	44.4
62.5°	0.3	0.0	0.3	2.5	4.6	9.4	14.3	19.2	24.1	29.7	35.1
65°	0.0	0.0	0.0	0.8	1.6	5.0	8.2	12.7	17.2	23.2	29.2
67.5°	0.0	0.0	0.0	0.0	0.0	1.6	3.3	7.2	10.9	16.0	21.2
70°	0.0	0.0	0.0	0.0	0.0	0.3	0.7	2.4	4.0	8.0	11.9
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.1	1.6	3.4	5.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.5	4.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.6	2.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3
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: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	381.9	380.9	382.1	383.2	384.0	384.5	384.1	383.7	384.3	385.6	386.1
5°	363.6	362.0	361.9	361.7	360.7	359.7	359.9	359.9	363.1	365.0	367.7
7.5°	343.0	342.1	341.9	341.6	341.6	341.6	343.7	346.1	346.5	347.8	350.1
10°	329.8	327.0	327.5	328.3	329.3	330.2	331.8	333.2	332.6	335.9	339.5
12.5°	315.4	314.0	315.4	316.7	317.9	319.1	321.1	323.0	324.6	327.3	331.3
15°	304.2	303.2	304.5	305.8	307.3	308.7	309.9	311.1	316.7	320.9	326.1
17.5°	287.8	288.9	291.2	293.5	296.1	298.8	301.8	305.0	308.1	313.0	320.0
20°	274.3	274.9	277.7	280.6	284.2	287.8	291.9	296.0	300.8	305.4	315.1
22.5°	257.6	258.6	262.6	266.6	271.0	275.3	278.8	282.5	290.2	296.8	311.6
25°	241.2	244.5	248.6	252.8	257.6	262.4	267.5	272.7	276.9	284.2	305.0
27.5°	226.3	230.6	235.3	240.1	245.1	250.2	254.9	259.8	264.3	273.2	301.8
30°	212.0	216.6	222.5	228.2	233.3	238.5	242.7	247.0	251.1	262.4	301.3
32.5°	196.4	204.7	210.4	216.0	220.6	225.3	230.0	234.8	242.5	254.4	303.2
35°	182.1	189.7	196.1	202.5	207.5	212.7	216.8	220.7	227.2	240.5	304.6
37.5°	166.7	174.9	182.7	190.5	196.0	201.4	204.6	207.8	212.0	226.6	305.9
40°	149.7	161.0	170.1	179.1	184.4	189.7	192.0	194.2	199.4	215.3	308.2
42.5°	135.4	148.4	157.1	165.9	170.9	176.0	178.7	181.7	184.2	209.1	312.2
45°	119.8	134.9	144.7	154.8	157.9	161.4	163.9	166.4	170.9	211.7	319.9
47.5°	107.2	123.0	133.6	144.2	145.1	146.0	147.6	149.2	162.3	224.2	331.4
50°	96.1	112.0	122.7	133.6	133.6	133.6	139.0	144.4	170.9	248.0	348.6
52.5°	85.9	101.4	110.8	120.3	120.6	120.8	136.7	152.5	200.1	273.2	359.3
55°	75.3	88.1	96.6	104.9	107.9	110.6	141.5	172.4	240.5	294.4	360.7
57.5°	63.9	74.9	82.0	89.0	97.0	104.9	146.8	188.4	256.4	285.9	349.1
60°	53.7	62.9	69.4	75.8	90.1	104.4	144.4	184.7	230.6	254.1	338.7
62.5°	44.3	53.3	59.9	66.5	86.7	106.7	135.8	165.0	182.9	218.9	301.6
65°	37.0	44.8	52.9	61.0	82.7	104.4	120.3	136.2	143.8	206.7	268.7
67.5°	28.6	36.0	44.9	53.7	68.4	83.2	94.7	106.3	119.9	175.2	202.1
70°	20.0	28.1	37.8	47.4	55.1	62.9	72.6	82.4	101.4	139.4	153.2
72.5°	13.0	20.5	28.6	36.8	41.6	46.4	55.1	63.9	83.5	101.0	108.1
75°	9.1	14.3	19.1	23.9	26.4	28.9	35.2	41.6	55.0	66.3	72.7
77.5°	6.9	11.3	14.0	17.0	17.8	18.6	22.3	25.8	34.5	37.4	42.9
80°	4.0	6.6	8.5	10.3	10.3	10.3	11.8	13.3	19.2	20.5	24.9
82.5°	1.3	2.7	3.3	4.0	4.0	4.0	4.8	5.6	8.0	9.5	12.6
85°	0.1	0.3	0.7	1.1	1.2	1.3	1.1	0.8	2.0	3.3	4.5
87.5°	0.0	0.0	0.1	0.3	0.3	0.3	0.1	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: P1209235

CATALOG NUMBER: UPW-SA2-110-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	388.2	388.2	388.2	388.2	388.2	388.2	388.2
2.5°	386.6	387.2	388.0	389.6	391.1	392.2	390.9
5°	370.3	372.9	375.2	377.9	380.5	384.5	389.6
7.5°	352.5	355.8	359.1	363.1	367.0	371.8	377.0
10°	343.2	347.2	351.1	357.5	363.7	371.9	378.3
12.5°	335.2	341.7	348.2	360.7	373.4	390.5	406.1
15°	331.3	342.5	353.8	377.4	400.8	431.7	463.8
17.5°	327.0	346.1	365.4	408.2	451.2	510.3	580.4
20°	324.6	355.6	386.6	457.0	527.4	623.5	730.7
22.5°	326.6	377.1	427.7	535.0	642.4	777.8	907.6
25°	326.0	400.7	475.4	627.4	779.4	962.6	1121.6
27.5°	330.2	441.2	552.3	753.4	954.7	1171.2	1339.6
30°	340.3	490.0	639.7	894.6	1149.8	1409.7	1600.0
32.5°	351.8	544.8	738.0	1052.9	1367.7	1671.2	1872.9
35°	368.6	614.5	860.2	1232.9	1605.6	1937.4	2122.0
37.5°	385.3	692.5	999.7	1436.4	1873.3	2229.9	2400.3
40°	401.2	769.0	1136.9	1647.3	2157.8	2550.6	2694.4
42.5°	415.4	837.7	1260.1	1851.8	2443.6	2892.0	3052.2
45°	428.0	896.0	1364.1	2076.4	2788.9	3383.3	3698.8
47.5°	438.6	931.5	1424.4	2327.9	3231.4	4115.5	4642.2
50°	449.2	947.2	1445.3	2569.1	3692.8	4976.3	5892.3
52.5°	445.5	921.1	1396.8	2672.7	3948.5	5593.5	7021.2
55°	426.9	860.1	1293.2	2621.7	3950.1	5828.1	7740.7
57.5°	412.3	775.0	1137.5	2361.3	3585.2	5532.6	7991.1
60°	423.3	642.9	862.6	1912.7	2962.7	4922.0	7491.6
62.5°	384.3	512.0	639.7	1517.1	2394.6	4192.5	6666.8
65°	330.6	390.6	450.5	1191.7	1932.9	3509.8	5700.9
67.5°	229.0	255.6	282.2	885.2	1488.3	2821.7	4884.7
70°	167.0	182.6	198.1	656.9	1115.7	2185.3	4030.7
72.5°	115.3	126.4	137.5	436.7	736.0	1507.5	3072.0
75°	79.2	87.5	95.7	274.4	453.2	962.8	2140.6
77.5°	48.4	54.6	61.0	149.5	237.8	504.4	1148.1
80°	29.2	33.4	37.8	59.8	81.9	153.0	337.9
82.5°	15.6	18.0	20.5	24.9	29.2	46.6	102.0
85°	5.6	6.6	7.7	8.2	9.0	11.4	22.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)