

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: P1209073

Luminaire Tested: UPW-SA2-090-740-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-090-740-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR
LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7541 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

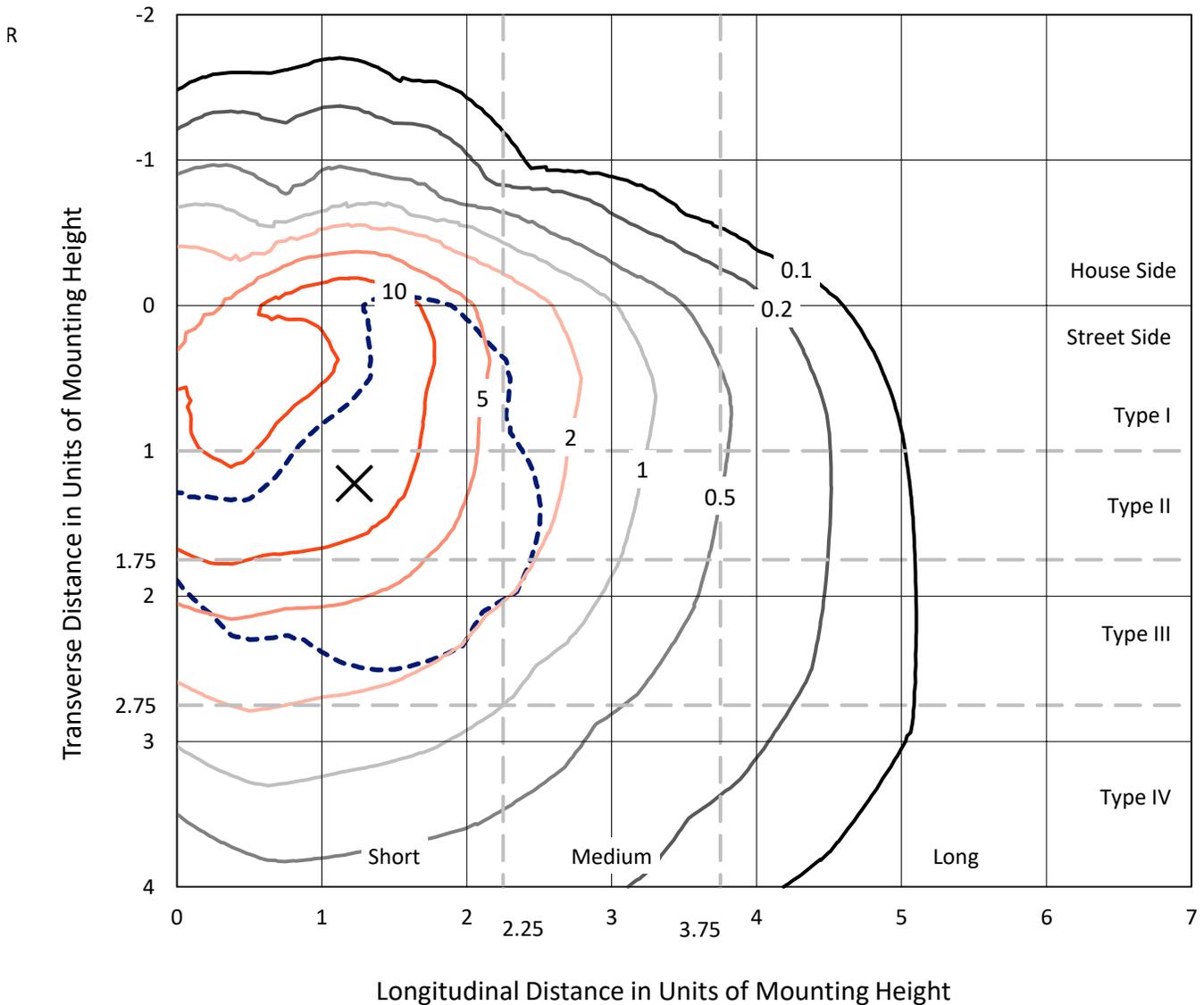
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209073
 CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

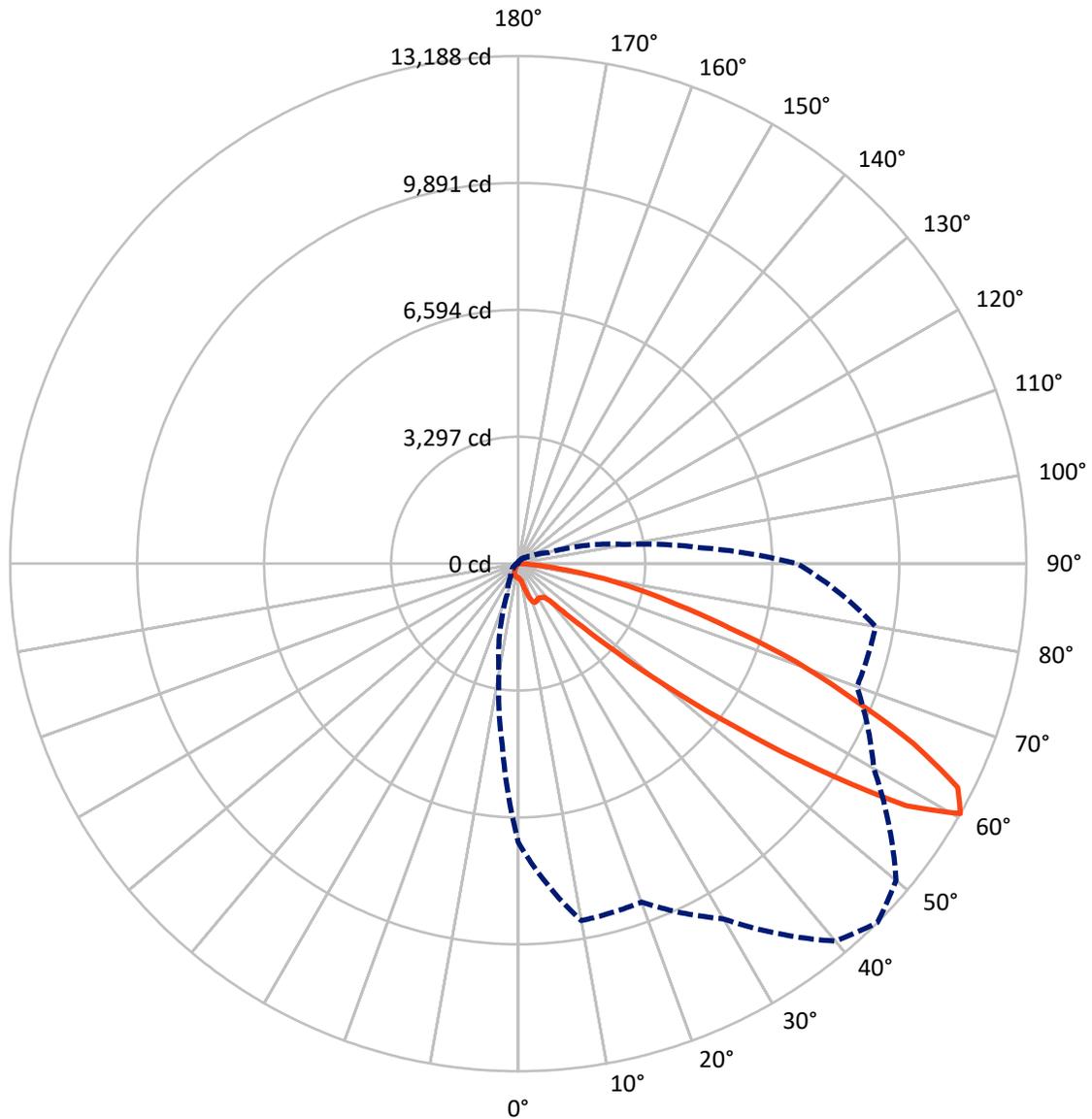
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.2 fc
 Type III - Short - N/A

REPORT NUMBER: P1209073
CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	868.8	0.0	868.8
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	6672.2	0.0	6672.2
	% Fixture	88.5	0.0	88.5
Total	Lumens	7541.0	0.0	7541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	0.5
10°-20°	116.4	1.5
20°-30°	251.3	3.3
30°-40°	423.4	5.6
40°-50°	855.0	11.3
50°-60°	2199.0	29.2
60°-70°	2390.8	31.7
70°-80°	1126.3	14.9
80°-90°	144.6	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°	7541.0	100.0
0°-180°	7541.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1209073

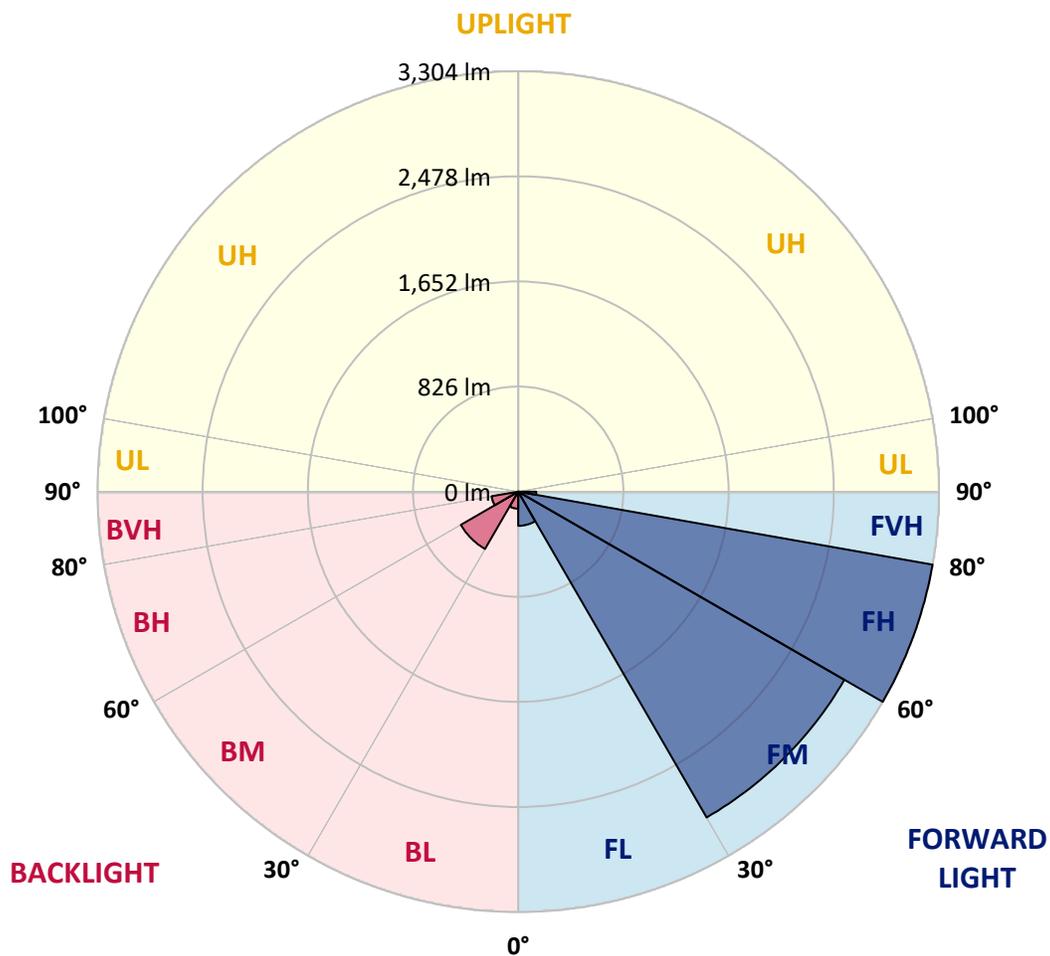
CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.4	3.6			
FM	(30°-60°)	2957.3	39.2			
FH	(60°-80°)	3304.5	43.8			G2/5000
FVH	(80°-90°)	142.0	1.9			G2/225
BL	(0°-30°)	133.6	1.8	B1/500		
BM	(30°-60°)	520.0	6.9	B1/1000		
BH	(60°-80°)	212.6	2.8	B1/500		G1/500
BVH	(80°-90°)	2.5	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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	377.6	378.8	379.9	381.6	383.4	384.1	385.0	385.4	385.8	382.7	385.8
5°	376.3	379.5	382.7	386.6	390.4	392.5	394.5	395.5	396.6	399.4	396.6
7.5°	364.2	372.4	380.4	387.8	395.3	400.9	406.8	411.7	416.5	419.8	416.5
10°	365.4	380.3	395.3	409.7	424.3	435.5	446.7	454.3	461.8	465.9	461.8
12.5°	392.3	416.5	440.6	464.9	489.2	512.1	535.1	550.3	565.5	576.0	565.5
15°	448.0	493.5	538.9	581.4	624.0	659.5	695.1	713.9	732.7	734.7	732.7
17.5°	560.7	627.1	693.5	750.0	806.4	844.2	881.9	900.0	918.0	922.9	918.0
20°	705.9	789.5	873.0	926.2	979.5	1004.8	1030.2	1039.6	1049.1	1043.2	1049.1
22.5°	876.8	965.4	1054.1	1090.6	1127.1	1124.6	1122.3	1114.4	1106.5	1093.1	1106.5
25°	1083.5	1157.1	1230.7	1223.1	1215.4	1184.2	1153.0	1126.7	1100.3	1088.0	1100.3
27.5°	1294.1	1333.9	1373.7	1319.2	1264.7	1205.3	1145.9	1110.7	1075.4	1053.5	1075.4
30°	1545.6	1519.9	1494.0	1397.0	1299.9	1224.7	1149.5	1107.7	1066.0	1040.7	1066.0
32.5°	1809.3	1718.4	1627.6	1489.2	1350.7	1263.3	1175.7	1127.4	1079.1	1048.3	1079.1
35°	2050.0	1901.0	1752.1	1576.7	1401.4	1307.2	1213.2	1157.4	1101.8	1077.8	1101.8
37.5°	2318.8	2094.3	1869.9	1657.1	1444.5	1341.7	1239.1	1187.9	1136.8	1111.1	1136.8
40°	2602.9	2307.9	2012.8	1764.4	1515.8	1425.4	1335.1	1301.5	1268.0	1260.8	1268.0
42.5°	2948.5	2586.2	2223.7	1957.9	1692.2	1649.4	1606.7	1618.1	1629.3	1675.6	1629.3
45°	3573.2	3130.4	2687.8	2387.8	2087.7	2103.6	2119.5	2206.6	2293.9	2345.0	2293.9
47.5°	4484.6	4003.2	3521.6	3138.8	2755.9	2862.4	2969.0	3180.7	3392.6	3438.2	3392.6
50°	5692.3	5180.4	4668.5	4190.7	3712.7	3937.4	4162.0	4566.8	4971.4	5038.2	4971.4
52.5°	6782.9	6388.1	5993.4	5434.2	4875.0	5256.4	5637.9	6231.9	6826.1	7008.2	6826.1
55°	7477.9	7607.0	7735.9	7149.0	6562.1	7027.2	7492.3	8275.1	9058.0	9406.9	9058.0
57.5°	7719.9	8482.2	9244.6	8833.6	8422.6	8902.6	9382.6	10350.1	11317.5	11868.4	11317.5
60°	7237.3	8328.4	9419.5	9387.2	9355.1	10006.5	10657.8	11730.7	12803.6	13188.1	12803.6
62.5°	6440.5	7340.3	8240.2	8403.6	8567.2	9484.9	10402.5	11404.5	12406.5	12800.3	12406.5
65°	5507.3	6312.3	7117.2	7243.7	7370.1	8349.9	9329.9	10234.9	11139.8	11273.2	11139.8
67.5°	4718.8	5533.6	6348.3	6427.8	6507.4	7341.0	8174.5	8845.5	9516.5	9351.9	9516.5
70°	3893.8	4755.4	5617.0	5748.7	5880.5	6470.5	7060.6	7452.8	7845.0	7646.9	7845.0
72.5°	2967.7	3840.3	4713.1	4834.7	4956.3	5366.0	5775.7	5969.8	6163.6	5772.9	6163.6
75°	2067.9	2817.9	3567.7	3727.4	3887.2	4174.4	4461.9	4540.0	4618.1	4257.4	4618.1
77.5°	1109.1	1611.8	2114.6	2397.6	2680.6	2992.2	3303.8	3340.9	3378.0	3138.6	3378.0
80°	326.4	556.8	787.2	1119.9	1452.6	1826.9	2201.4	2219.4	2237.5	2059.6	2237.5
82.5°	98.6	198.5	298.5	529.9	761.4	1033.5	1305.6	1280.0	1254.3	1073.9	1254.3
85°	21.8	69.1	116.5	257.3	398.1	522.4	646.7	596.1	545.5	442.9	545.5
87.5°	3.2	19.1	34.8	91.7	148.5	179.2	209.9	171.4	132.9	120.3	132.9
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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	385.4	385.0	384.1	383.4	381.6	379.9	378.8	377.6	378.9	377.9	376.3
5°	395.5	394.5	392.5	390.4	386.6	382.7	379.5	376.3	371.5	367.6	365.1
7.5°	411.7	406.8	400.9	395.3	387.8	380.4	372.4	364.2	359.2	354.6	350.7
10°	454.3	446.7	435.5	424.3	409.7	395.3	380.3	365.4	359.3	351.4	345.4
12.5°	550.3	535.1	512.1	489.2	464.9	440.6	416.5	392.3	377.2	360.7	348.4
15°	713.9	695.1	659.5	624.0	581.4	538.9	493.5	448.0	417.0	387.2	364.6
17.5°	900.0	881.9	844.2	806.4	750.0	693.5	627.1	560.7	492.9	435.8	394.4
20°	1039.6	1030.2	1004.8	979.5	926.2	873.0	789.5	705.9	602.4	509.5	441.5
22.5°	1114.4	1122.3	1124.6	1127.1	1090.6	1054.1	965.4	876.8	751.4	620.6	516.9
25°	1126.7	1153.0	1184.2	1215.4	1223.1	1230.7	1157.1	1083.5	929.9	752.9	606.1
27.5°	1110.7	1145.9	1205.3	1264.7	1319.2	1373.7	1333.9	1294.1	1131.4	922.3	727.8
30°	1107.7	1149.5	1224.7	1299.9	1397.0	1494.0	1519.9	1545.6	1361.8	1110.8	864.3
32.5°	1127.4	1175.7	1263.3	1350.7	1489.2	1627.6	1718.4	1809.3	1614.5	1321.2	1017.1
35°	1157.4	1213.2	1307.2	1401.4	1576.7	1752.1	1901.0	2050.0	1871.7	1551.1	1191.1
37.5°	1187.9	1239.1	1341.7	1444.5	1657.1	1869.9	2094.3	2318.8	2154.2	1809.7	1387.7
40°	1301.5	1335.1	1425.4	1515.8	1764.4	2012.8	2307.9	2602.9	2464.1	2084.5	1591.3
42.5°	1618.1	1606.7	1649.4	1692.2	1957.9	2223.7	2586.2	2948.5	2793.8	2360.6	1789.0
45°	2206.6	2119.5	2103.6	2087.7	2387.8	2687.8	3130.4	3573.2	3268.4	2694.2	2005.9
47.5°	3180.7	2969.0	2862.4	2755.9	3138.8	3521.6	4003.2	4484.6	3975.8	3121.7	2248.9
50°	4566.8	4162.0	3937.4	3712.7	4190.7	4668.5	5180.4	5692.3	4807.4	3567.4	2481.8
52.5°	6231.9	5637.9	5256.4	4875.0	5434.2	5993.4	6388.1	6782.9	5403.6	3814.5	2581.9
55°	8275.1	7492.3	7027.2	6562.1	7149.0	7735.9	7607.0	7477.9	5630.2	3816.0	2532.7
57.5°	10350.1	9382.6	8902.6	8422.6	8833.6	9244.6	8482.2	7719.9	5344.8	3463.5	2281.1
60°	11730.7	10657.8	10006.5	9355.1	9387.2	9419.5	8328.4	7237.3	4754.9	2862.1	1847.7
62.5°	11404.5	10402.5	9484.9	8567.2	8403.6	8240.2	7340.3	6440.5	4050.1	2313.3	1465.6
65°	10234.9	9329.9	8349.9	7370.1	7243.7	7117.2	6312.3	5507.3	3390.7	1867.3	1151.3
67.5°	8845.5	8174.5	7341.0	6507.4	6427.8	6348.3	5533.6	4718.8	2725.9	1437.7	855.2
70°	7452.8	7060.6	6470.5	5880.5	5748.7	5617.0	4755.4	3893.8	2111.2	1077.8	634.6
72.5°	5969.8	5775.7	5366.0	4956.3	4834.7	4713.1	3840.3	2967.7	1456.3	711.1	421.9
75°	4540.0	4461.9	4174.4	3887.2	3727.4	3567.7	2817.9	2067.9	930.1	437.8	265.1
77.5°	3340.9	3303.8	2992.2	2680.6	2397.6	2114.6	1611.8	1109.1	487.3	229.8	144.4
80°	2219.4	2201.4	1826.9	1452.6	1119.9	787.2	556.8	326.4	147.8	79.1	57.7
82.5°	1280.0	1305.6	1033.5	761.4	529.9	298.5	198.5	98.6	45.1	28.2	24.1
85°	596.1	646.7	522.4	398.1	257.3	116.5	69.1	21.8	11.0	8.7	7.9
87.5°	171.4	209.9	179.2	148.5	91.7	34.8	19.1	3.2	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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	374.8	374.0	373.5	373.0	372.5	371.2	370.7	371.1	371.5	371.0	370.2
5°	362.5	360.2	357.8	355.2	352.6	350.7	347.7	347.7	347.5	348.4	349.4
7.5°	346.9	343.7	340.5	338.2	336.0	334.7	334.3	332.0	330.0	330.0	330.0
10°	339.2	335.4	331.5	327.9	324.5	321.3	321.9	320.5	319.0	318.1	317.2
12.5°	336.4	330.1	323.8	320.0	316.2	313.6	312.1	310.2	308.2	307.1	305.9
15°	341.8	330.9	320.0	315.0	310.0	305.9	300.6	299.4	298.2	296.8	295.4
17.5°	353.0	334.3	315.9	309.1	302.3	297.6	294.7	291.6	288.6	286.1	283.5
20°	373.5	343.6	313.6	304.4	295.0	290.6	286.0	282.0	278.0	274.6	271.1
22.5°	413.2	364.3	315.5	301.1	286.7	280.3	272.9	269.3	266.0	261.8	257.5
25°	459.3	387.1	314.9	294.7	274.6	267.5	263.4	258.4	253.4	248.8	244.2
27.5°	533.5	426.2	319.0	291.6	263.9	255.4	251.0	246.3	241.7	236.8	231.9
30°	618.0	473.4	328.7	291.1	253.4	242.6	238.6	234.5	230.4	225.4	220.4
32.5°	713.0	526.3	339.8	292.9	245.8	234.2	226.8	222.2	217.6	213.1	208.6
35°	831.0	593.7	356.1	294.3	232.3	219.5	213.3	209.4	205.4	200.5	195.6
37.5°	965.8	668.9	372.2	295.6	218.9	204.8	200.7	197.6	194.6	189.3	184.1
40°	1098.3	742.9	387.6	297.7	208.0	192.6	187.7	185.5	183.3	178.2	173.1
42.5°	1217.3	809.2	401.3	301.6	202.0	177.9	175.5	172.7	170.0	165.1	160.3
45°	1317.8	865.6	413.4	309.0	204.5	165.1	160.8	158.3	155.9	152.6	149.5
47.5°	1376.0	899.9	423.7	320.1	216.6	156.8	144.1	142.6	141.1	140.2	139.3
50°	1396.3	915.1	433.9	336.8	239.6	165.1	139.5	134.3	129.0	129.0	129.0
52.5°	1349.4	889.9	430.3	347.1	263.9	193.3	147.3	132.1	116.7	116.5	116.2
55°	1249.3	830.9	412.4	348.4	284.4	232.3	166.5	136.7	106.9	104.2	101.4
57.5°	1098.9	748.7	398.3	337.3	276.2	247.7	182.0	141.8	101.4	93.7	86.0
60°	833.3	621.1	409.0	327.2	245.5	222.7	178.4	139.5	100.9	87.0	73.2
62.5°	618.0	494.6	371.2	291.3	211.5	176.6	159.4	131.2	103.0	83.7	64.3
65°	435.2	377.4	319.4	259.6	199.7	138.9	131.6	116.2	100.9	79.9	58.9
67.5°	272.6	246.9	221.2	195.2	169.2	115.8	102.7	91.5	80.4	66.0	51.8
70°	191.4	176.4	161.3	148.0	134.7	97.9	79.6	70.1	60.8	53.2	45.8
72.5°	132.9	122.1	111.4	104.5	97.5	80.6	61.7	53.2	44.8	40.2	35.6
75°	92.4	84.5	76.5	70.3	64.0	53.1	40.2	34.0	27.9	25.5	23.0
77.5°	58.9	52.7	46.7	41.5	36.1	33.3	25.0	21.5	17.9	17.2	16.4
80°	36.5	32.3	28.2	24.1	19.8	18.6	12.8	11.4	10.0	10.0	10.0
82.5°	19.8	17.4	15.1	12.2	9.2	7.7	5.4	4.6	3.8	3.8	3.8
85°	7.4	6.4	5.4	4.4	3.2	1.9	0.8	1.0	1.3	1.2	1.0
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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	369.2	368.0	368.9	369.9	368.8	367.6	367.9	368.0	366.7	365.4	364.0
5°	349.6	349.7	351.2	352.6	353.2	353.5	354.1	354.6	354.8	355.2	355.3
7.5°	330.2	330.5	331.4	332.2	333.3	334.3	337.2	339.8	341.3	342.8	344.5
10°	316.4	315.9	318.6	321.3	322.1	322.8	326.2	329.2	331.0	332.8	334.2
12.5°	304.6	303.4	304.6	305.9	308.4	310.8	315.4	320.0	323.6	327.0	327.8
15°	294.2	292.9	293.9	295.0	296.3	297.6	302.2	307.0	310.9	314.9	316.8
17.5°	281.4	279.0	278.0	277.1	281.4	285.4	289.4	293.4	297.6	301.8	305.4
20°	268.3	265.6	265.0	264.3	266.1	267.8	272.9	278.0	283.1	288.3	289.9
22.5°	253.7	249.9	248.8	247.7	248.6	249.6	252.2	254.7	258.6	262.4	265.2
25°	240.1	236.2	233.0	229.8	229.9	230.1	231.6	233.0	234.4	235.8	237.4
27.5°	227.3	222.7	218.6	214.4	212.7	211.2	209.8	208.4	208.0	207.6	207.4
30°	214.9	209.3	204.8	200.3	195.7	191.0	188.0	185.0	181.8	178.6	176.1
32.5°	203.3	197.8	189.7	181.8	176.9	172.2	166.5	161.0	155.1	149.5	145.7
35°	189.4	183.3	175.9	168.3	160.1	152.1	143.9	135.7	128.0	120.3	116.0
37.5°	176.5	169.0	161.0	153.0	141.6	130.3	120.8	111.4	103.6	95.7	91.1
40°	164.4	155.5	144.6	133.8	121.5	109.1	98.8	88.6	81.2	73.6	69.8
42.5°	151.8	143.4	130.8	118.4	104.8	91.1	80.5	69.8	63.4	57.0	53.5
45°	139.8	130.3	115.7	101.1	88.3	75.5	66.3	57.0	50.9	44.8	42.1
47.5°	129.0	118.8	103.6	88.3	76.2	64.0	55.3	46.7	41.1	35.6	33.0
50°	118.5	108.2	92.8	77.4	66.3	55.0	47.4	39.7	34.4	29.2	26.6
52.5°	107.0	97.9	82.9	67.8	59.0	50.2	42.9	35.6	30.0	24.3	21.8
55°	93.3	85.1	72.7	60.2	52.2	44.2	37.6	31.0	25.1	19.2	16.5
57.5°	79.2	72.3	61.7	51.2	44.5	37.8	31.5	25.3	19.7	14.1	11.8
60°	67.1	60.8	51.8	42.9	36.4	29.7	24.3	18.9	14.0	9.0	6.7
62.5°	57.9	51.5	42.8	33.9	28.7	23.3	18.6	13.8	9.1	4.5	2.4
65°	51.1	43.3	35.7	28.2	22.4	16.6	12.3	7.9	4.9	1.5	0.8
67.5°	43.4	34.8	27.6	20.5	15.5	10.5	6.9	3.2	1.5	0.0	0.0
70°	36.5	27.1	19.3	11.5	7.7	3.8	2.3	0.6	0.3	0.0	0.0
72.5°	27.6	19.8	12.5	5.1	3.3	1.5	1.0	0.3	0.1	0.0	0.0
75°	18.4	13.8	8.8	3.8	2.4	1.0	0.5	0.0	0.0	0.0	0.0
77.5°	13.6	10.9	6.7	2.6	1.5	0.6	0.3	0.0	0.0	0.0	0.0
80°	8.2	6.4	3.8	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.2	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.6	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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	362.5	362.2	362.5	364.0	365.4	366.7	368.0	367.9	367.6	368.8	369.9
5°	355.6	355.8	355.6	355.3	355.2	354.8	354.6	354.1	353.5	353.2	352.6
7.5°	346.2	349.4	346.2	344.5	342.8	341.3	339.8	337.2	334.3	333.3	332.2
10°	335.6	337.9	335.6	334.2	332.8	331.0	329.2	326.2	322.8	322.1	321.3
12.5°	328.7	329.0	328.7	327.8	327.0	323.6	320.0	315.4	310.8	308.4	305.9
15°	318.7	320.0	318.7	316.8	314.9	310.9	307.0	302.2	297.6	296.3	295.0
17.5°	309.1	311.0	309.1	305.4	301.8	297.6	293.4	289.4	285.4	281.4	277.1
20°	291.6	290.6	291.6	289.9	288.3	283.1	278.0	272.9	267.8	266.1	264.3
22.5°	268.2	271.4	268.2	265.2	262.4	258.6	254.7	252.2	249.6	248.6	247.7
25°	239.1	240.6	239.1	237.4	235.8	234.4	233.0	231.6	230.1	229.9	229.8
27.5°	207.1	206.1	207.1	207.4	207.6	208.0	208.4	209.8	211.2	212.7	214.4
30°	173.8	172.8	173.8	176.1	178.6	181.8	185.0	188.0	191.0	195.7	200.3
32.5°	141.8	139.5	141.8	145.7	149.5	155.1	161.0	166.5	172.2	176.9	181.8
35°	111.6	110.1	111.6	116.0	120.3	128.0	135.7	143.9	152.1	160.1	168.3
37.5°	86.8	84.5	86.8	91.1	95.7	103.6	111.4	120.8	130.3	141.6	153.0
40°	65.9	64.0	65.9	69.8	73.6	81.2	88.6	98.8	109.1	121.5	133.8
42.5°	49.9	47.4	49.9	53.5	57.0	63.4	69.8	80.5	91.1	104.8	118.4
45°	39.4	38.4	39.4	42.1	44.8	50.9	57.0	66.3	75.5	88.3	101.1
47.5°	30.5	29.4	30.5	33.0	35.6	41.1	46.7	55.3	64.0	76.2	88.3
50°	24.1	23.0	24.1	26.6	29.2	34.4	39.7	47.4	55.0	66.3	77.4
52.5°	19.2	17.9	19.2	21.8	24.3	30.0	35.6	42.9	50.2	59.0	67.8
55°	13.8	12.8	13.8	16.5	19.2	25.1	31.0	37.6	44.2	52.2	60.2
57.5°	9.6	9.0	9.6	11.8	14.1	19.7	25.3	31.5	37.8	44.5	51.2
60°	4.5	3.8	4.5	6.7	9.0	14.0	18.9	24.3	29.7	36.4	42.9
62.5°	0.3	0.0	0.3	2.4	4.5	9.1	13.8	18.6	23.3	28.7	33.9
65°	0.0	0.0	0.0	0.8	1.5	4.9	7.9	12.3	16.6	22.4	28.2
67.5°	0.0	0.0	0.0	0.0	0.0	1.5	3.2	6.9	10.5	15.5	20.5
70°	0.0	0.0	0.0	0.0	0.0	0.3	0.6	2.3	3.8	7.7	11.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.0	1.5	3.3	5.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.4	3.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.5	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	368.9	368.0	369.2	370.2	371.0	371.5	371.1	370.7	371.2	372.5	373.0
5°	351.2	349.7	349.6	349.4	348.4	347.5	347.7	347.7	350.7	352.6	355.2
7.5°	331.4	330.5	330.2	330.0	330.0	330.0	332.0	334.3	334.7	336.0	338.2
10°	318.6	315.9	316.4	317.2	318.1	319.0	320.5	321.9	321.3	324.5	327.9
12.5°	304.6	303.4	304.6	305.9	307.1	308.2	310.2	312.1	313.6	316.2	320.0
15°	293.9	292.9	294.2	295.4	296.8	298.2	299.4	300.6	305.9	310.0	315.0
17.5°	278.0	279.0	281.4	283.5	286.1	288.6	291.6	294.7	297.6	302.3	309.1
20°	265.0	265.6	268.3	271.1	274.6	278.0	282.0	286.0	290.6	295.0	304.4
22.5°	248.8	249.9	253.7	257.5	261.8	266.0	269.3	272.9	280.3	286.7	301.1
25°	233.0	236.2	240.1	244.2	248.8	253.4	258.4	263.4	267.5	274.6	294.7
27.5°	218.6	222.7	227.3	231.9	236.8	241.7	246.3	251.0	255.4	263.9	291.6
30°	204.8	209.3	214.9	220.4	225.4	230.4	234.5	238.6	242.6	253.4	291.1
32.5°	189.7	197.8	203.3	208.6	213.1	217.6	222.2	226.8	234.2	245.8	292.9
35°	175.9	183.3	189.4	195.6	200.5	205.4	209.4	213.3	219.5	232.3	294.3
37.5°	161.0	169.0	176.5	184.1	189.3	194.6	197.6	200.7	204.8	218.9	295.6
40°	144.6	155.5	164.4	173.1	178.2	183.3	185.5	187.7	192.6	208.0	297.7
42.5°	130.8	143.4	151.8	160.3	165.1	170.0	172.7	175.5	177.9	202.0	301.6
45°	115.7	130.3	139.8	149.5	152.6	155.9	158.3	160.8	165.1	204.5	309.0
47.5°	103.6	118.8	129.0	139.3	140.2	141.1	142.6	144.1	156.8	216.6	320.1
50°	92.8	108.2	118.5	129.0	129.0	129.0	134.3	139.5	165.1	239.6	336.8
52.5°	82.9	97.9	107.0	116.2	116.5	116.7	132.1	147.3	193.3	263.9	347.1
55°	72.7	85.1	93.3	101.4	104.2	106.9	136.7	166.5	232.3	284.4	348.4
57.5°	61.7	72.3	79.2	86.0	93.7	101.4	141.8	182.0	247.7	276.2	337.3
60°	51.8	60.8	67.1	73.2	87.0	100.9	139.5	178.4	222.7	245.5	327.2
62.5°	42.8	51.5	57.9	64.3	83.7	103.0	131.2	159.4	176.6	211.5	291.3
65°	35.7	43.3	51.1	58.9	79.9	100.9	116.2	131.6	138.9	199.7	259.6
67.5°	27.6	34.8	43.4	51.8	66.0	80.4	91.5	102.7	115.8	169.2	195.2
70°	19.3	27.1	36.5	45.8	53.2	60.8	70.1	79.6	97.9	134.7	148.0
72.5°	12.5	19.8	27.6	35.6	40.2	44.8	53.2	61.7	80.6	97.5	104.5
75°	8.8	13.8	18.4	23.0	25.5	27.9	34.0	40.2	53.1	64.0	70.3
77.5°	6.7	10.9	13.6	16.4	17.2	17.9	21.5	25.0	33.3	36.1	41.5
80°	3.8	6.4	8.2	10.0	10.0	10.0	11.4	12.8	18.6	19.8	24.1
82.5°	1.3	2.6	3.2	3.8	3.8	3.8	4.6	5.4	7.7	9.2	12.2
85°	0.1	0.3	0.6	1.0	1.2	1.3	1.0	0.8	1.9	3.2	4.4
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: P1209073

CATALOG NUMBER: UPW-SA2-090-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	375.0	375.0	375.0	375.0	375.0	375.0	375.0
2.5°	373.5	374.0	374.8	376.3	377.9	378.9	377.6
5°	357.8	360.2	362.5	365.1	367.6	371.5	376.3
7.5°	340.5	343.7	346.9	350.7	354.6	359.2	364.2
10°	331.5	335.4	339.2	345.4	351.4	359.3	365.4
12.5°	323.8	330.1	336.4	348.4	360.7	377.2	392.3
15°	320.0	330.9	341.8	364.6	387.2	417.0	448.0
17.5°	315.9	334.3	353.0	394.4	435.8	492.9	560.7
20°	313.6	343.6	373.5	441.5	509.5	602.4	705.9
22.5°	315.5	364.3	413.2	516.9	620.6	751.4	876.8
25°	314.9	387.1	459.3	606.1	752.9	929.9	1083.5
27.5°	319.0	426.2	533.5	727.8	922.3	1131.4	1294.1
30°	328.7	473.4	618.0	864.3	1110.8	1361.8	1545.6
32.5°	339.8	526.3	713.0	1017.1	1321.2	1614.5	1809.3
35°	356.1	593.7	831.0	1191.1	1551.1	1871.7	2050.0
37.5°	372.2	668.9	965.8	1387.7	1809.7	2154.2	2318.8
40°	387.6	742.9	1098.3	1591.3	2084.5	2464.1	2602.9
42.5°	401.3	809.2	1217.3	1789.0	2360.6	2793.8	2948.5
45°	413.4	865.6	1317.8	2005.9	2694.2	3268.4	3573.2
47.5°	423.7	899.9	1376.0	2248.9	3121.7	3975.8	4484.6
50°	433.9	915.1	1396.3	2481.8	3567.4	4807.4	5692.3
52.5°	430.3	889.9	1349.4	2581.9	3814.5	5403.6	6782.9
55°	412.4	830.9	1249.3	2532.7	3816.0	5630.2	7477.9
57.5°	398.3	748.7	1098.9	2281.1	3463.5	5344.8	7719.9
60°	409.0	621.1	833.3	1847.7	2862.1	4754.9	7237.3
62.5°	371.2	494.6	618.0	1465.6	2313.3	4050.1	6440.5
65°	319.4	377.4	435.2	1151.3	1867.3	3390.7	5507.3
67.5°	221.2	246.9	272.6	855.2	1437.7	2725.9	4718.8
70°	161.3	176.4	191.4	634.6	1077.8	2111.2	3893.8
72.5°	111.4	122.1	132.9	421.9	711.1	1456.3	2967.7
75°	76.5	84.5	92.4	265.1	437.8	930.1	2067.9
77.5°	46.7	52.7	58.9	144.4	229.8	487.3	1109.1
80°	28.2	32.3	36.5	57.7	79.1	147.8	326.4
82.5°	15.1	17.4	19.8	24.1	28.2	45.1	98.6
85°	5.4	6.4	7.4	7.9	8.7	11.0	21.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)