

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: P1209100

Luminaire Tested: UPW-SA2-090-750-U-SLL-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209100
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-SA2-090-750-U-SLL-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 5000K, 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: 7540 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

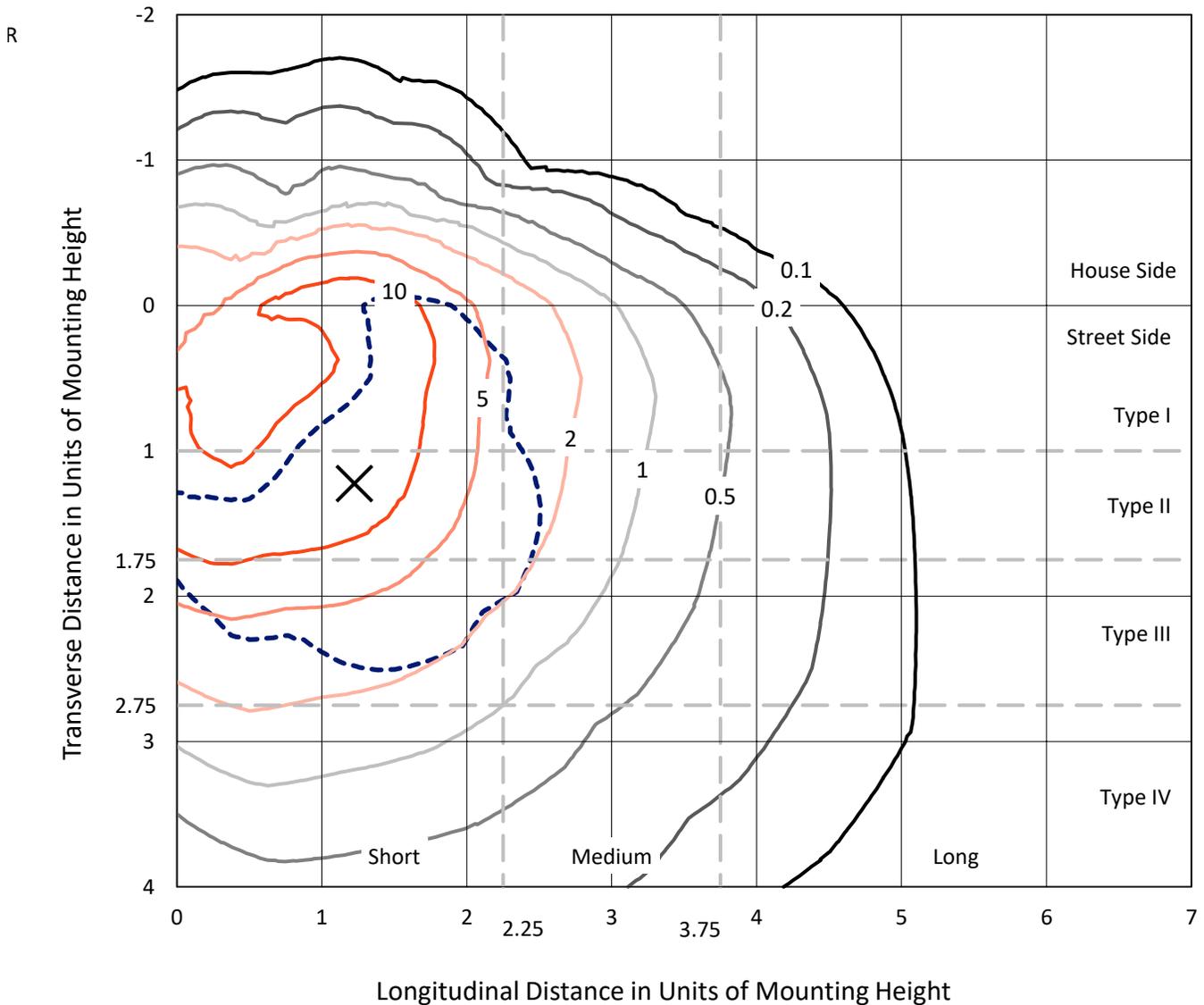
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

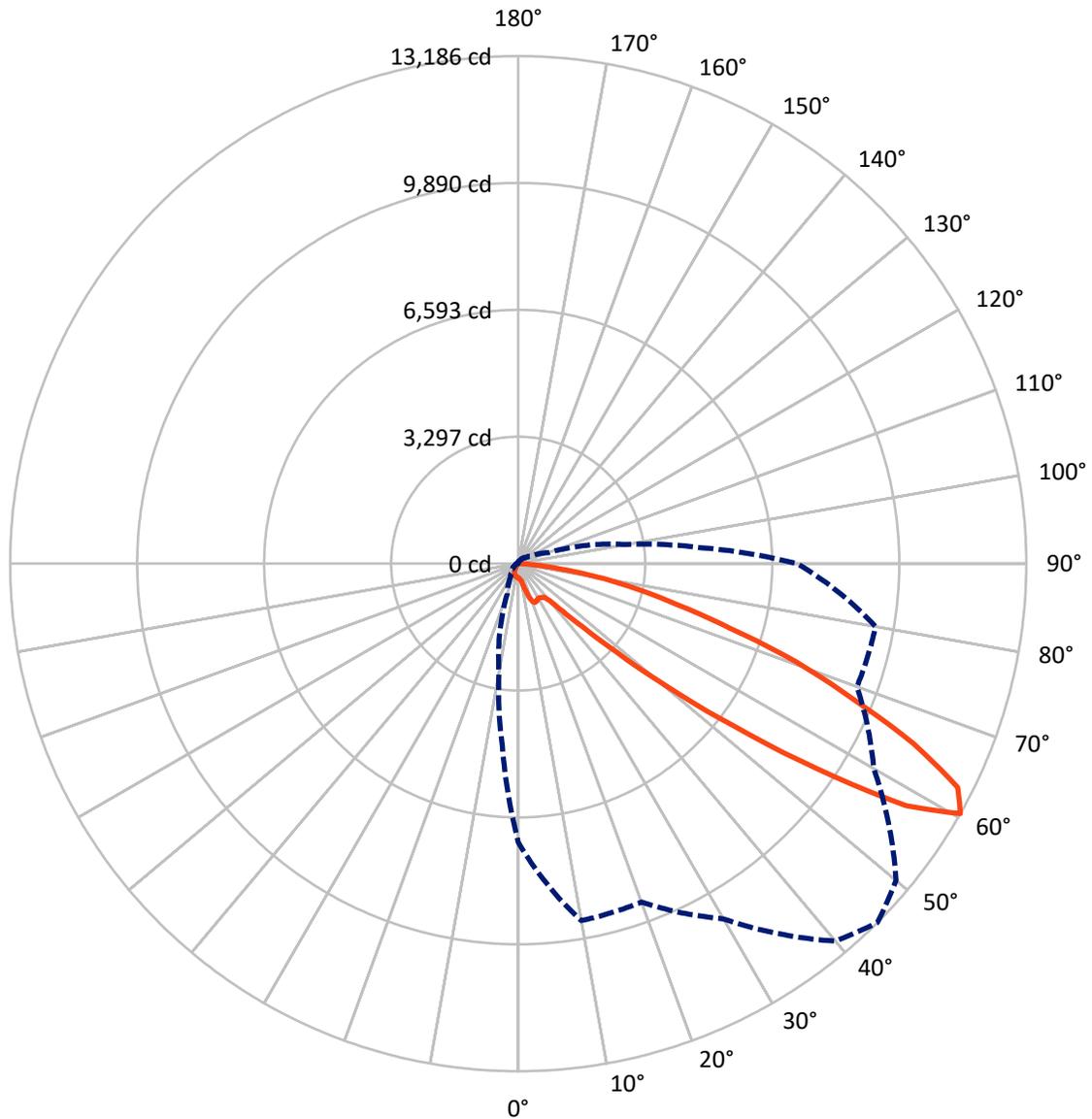
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	868.7	0.0	868.7
	% Fixture	11.5	0.0	11.5
Street Side	Lumens	6671.3	0.0	6671.3
	% Fixture	88.5	0.0	88.5
Total	Lumens	7540.0	0.0	7540.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.3	0.5
10°-20°	116.3	1.5
20°-30°	251.3	3.3
30°-40°	423.3	5.6
40°-50°	854.9	11.3
50°-60°	2198.7	29.2
60°-70°	2390.5	31.7
70°-80°	1126.1	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°	7540.0	100.0
0°-180°	7540.0	100.0



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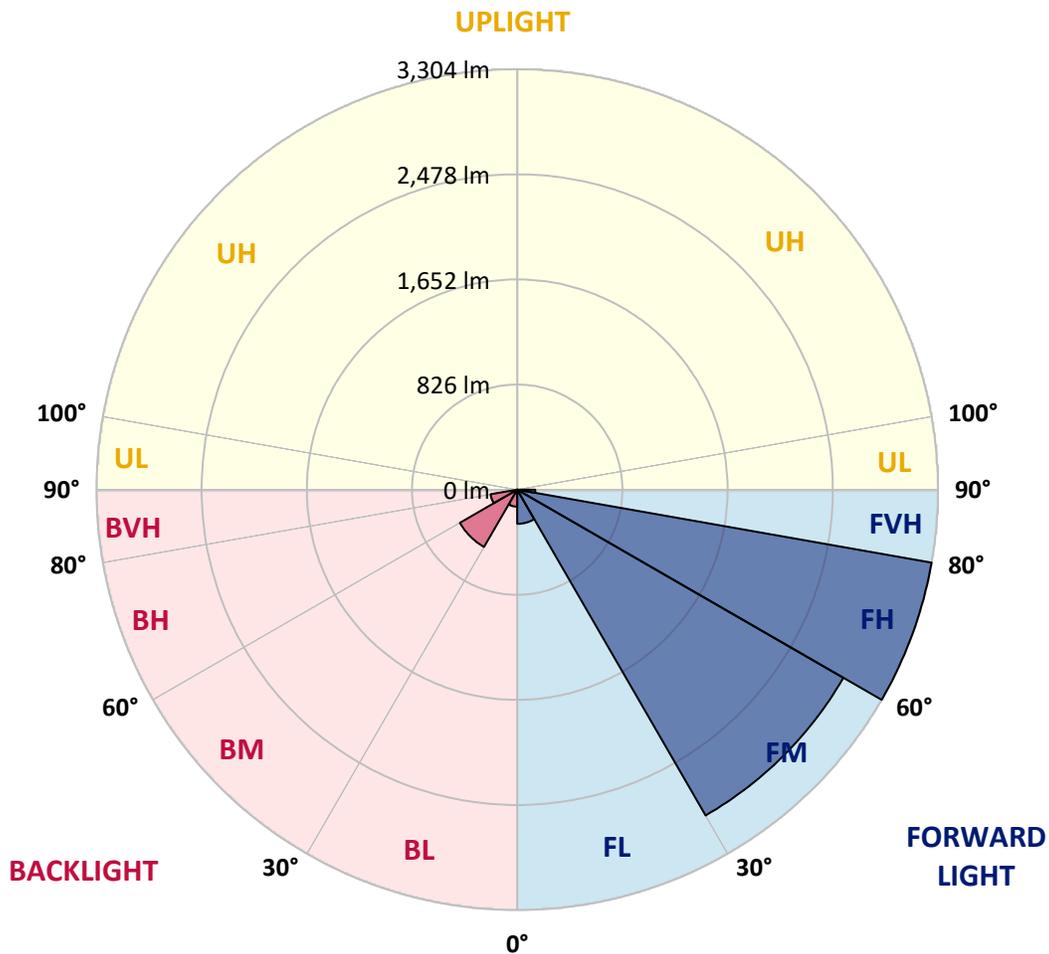
CATALOG NUMBER: UPW-SA2-090-750-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.3	3.6			
FM	(30°-60°)	2956.9	39.2			
FH	(60°-80°)	3304.1	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



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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	378.7	379.9	381.5	383.3	384.1	385.0	385.4	385.7	382.7	385.7
5°	376.3	379.5	382.7	386.5	390.4	392.4	394.5	395.5	396.5	399.3	396.5
7.5°	364.1	372.3	380.4	387.8	395.2	400.9	406.7	411.6	416.5	419.8	416.5
10°	365.4	380.2	395.2	409.7	424.3	435.4	446.7	454.2	461.8	465.9	461.8
12.5°	392.3	416.5	440.5	464.8	489.2	512.1	535.0	550.2	565.4	575.9	565.4
15°	448.0	493.4	538.8	581.3	623.9	659.4	695.0	713.8	732.6	734.6	732.6
17.5°	560.6	627.0	693.4	749.9	806.3	844.1	881.8	899.9	917.9	922.8	917.9
20°	705.8	789.4	872.9	926.1	979.3	1004.7	1030.0	1039.5	1049.0	1043.1	1049.0
22.5°	876.7	965.3	1054.0	1090.4	1126.9	1124.5	1122.2	1114.2	1106.3	1093.0	1106.3
25°	1083.4	1157.0	1230.6	1222.9	1215.2	1184.0	1152.9	1126.5	1100.2	1087.9	1100.2
27.5°	1293.9	1333.7	1373.5	1319.0	1264.5	1205.1	1145.7	1110.5	1075.2	1053.3	1075.2
30°	1545.4	1519.7	1493.9	1396.8	1299.7	1224.6	1149.3	1107.6	1065.9	1040.5	1065.9
32.5°	1809.1	1718.2	1627.3	1489.0	1350.5	1263.1	1175.6	1127.3	1078.9	1048.2	1078.9
35°	2049.7	1900.7	1751.9	1576.5	1401.2	1307.0	1213.1	1157.2	1101.7	1077.6	1101.7
37.5°	2318.5	2094.0	1869.6	1656.9	1444.3	1341.5	1238.9	1187.7	1136.6	1110.9	1136.6
40°	2602.6	2307.6	2012.6	1764.2	1515.6	1425.3	1334.9	1301.4	1267.8	1260.7	1267.8
42.5°	2948.2	2585.8	2223.4	1957.7	1692.0	1649.2	1606.5	1617.9	1629.1	1675.3	1629.1
45°	3572.7	3130.0	2687.4	2387.4	2087.4	2103.3	2119.2	2206.3	2293.6	2344.7	2293.6
47.5°	4484.0	4002.6	3521.1	3138.3	2755.5	2862.0	2968.6	3180.3	3392.1	3437.7	3392.1
50°	5691.5	5179.7	4667.9	4190.1	3712.2	3936.8	4161.5	4566.2	4970.7	5037.5	4970.7
52.5°	6782.0	6387.3	5992.6	5433.5	4874.3	5255.7	5637.1	6231.1	6825.2	7007.2	6825.2
55°	7476.9	7605.9	7734.8	7148.0	6561.2	7026.3	7491.3	8274.0	9056.8	9405.7	9056.8
57.5°	7718.8	8481.1	9243.4	8832.4	8421.5	8901.4	9381.4	10348.7	11316.0	11866.9	11316.0
60°	7236.3	8327.3	9418.2	9386.0	9353.8	10005.2	10656.4	11729.1	12801.9	13186.4	12801.9
62.5°	6439.6	7339.4	8239.1	8402.5	8566.1	9483.6	10401.2	11403.0	12404.9	12798.6	12404.9
65°	5506.6	6311.5	7116.3	7242.7	7369.2	8348.8	9328.6	10233.5	11138.4	11271.7	11138.4
67.5°	4718.2	5532.8	6347.5	6426.9	6506.5	7340.0	8173.4	8844.3	9515.2	9350.6	9515.2
70°	3893.3	4754.8	5616.3	5748.0	5879.7	6469.7	7059.7	7451.9	7844.0	7645.9	7844.0
72.5°	2967.4	3839.8	4712.4	4834.0	4955.6	5365.3	5775.0	5969.0	6162.8	5772.2	6162.8
75°	2067.6	2817.5	3567.2	3726.9	3886.7	4173.9	4461.3	4539.4	4617.5	4256.8	4617.5
77.5°	1109.0	1611.6	2114.3	2397.3	2680.3	2991.8	3303.3	3340.4	3377.5	3138.2	3377.5
80°	326.4	556.7	787.1	1119.7	1452.4	1826.6	2201.1	2219.1	2237.2	2059.3	2237.2
82.5°	98.5	198.5	298.5	529.9	761.3	1033.4	1305.5	1279.9	1254.1	1073.8	1254.1
85°	21.8	69.1	116.5	257.3	398.0	522.3	646.6	596.0	545.5	442.8	545.5
87.5°	3.2	19.1	34.8	91.6	148.5	179.2	209.9	171.4	132.8	120.3	132.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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	383.3	381.5	379.9	378.7	377.6	378.8	377.8	376.3
5°	395.5	394.5	392.4	390.4	386.5	382.7	379.5	376.3	371.4	367.6	365.0
7.5°	411.6	406.7	400.9	395.2	387.8	380.4	372.3	364.1	359.1	354.5	350.7
10°	454.2	446.7	435.4	424.3	409.7	395.2	380.2	365.4	359.3	351.3	345.3
12.5°	550.2	535.0	512.1	489.2	464.8	440.5	416.5	392.3	377.2	360.7	348.4
15°	713.8	695.0	659.4	623.9	581.3	538.8	493.4	448.0	417.0	387.2	364.5
17.5°	899.9	881.8	844.1	806.3	749.9	693.4	627.0	560.6	492.9	435.8	394.3
20°	1039.5	1030.0	1004.7	979.3	926.1	872.9	789.4	705.8	602.3	509.4	441.4
22.5°	1114.2	1122.2	1124.5	1126.9	1090.4	1054.0	965.3	876.7	751.3	620.5	516.8
25°	1126.5	1152.9	1184.0	1215.2	1222.9	1230.6	1157.0	1083.4	929.8	752.8	606.0
27.5°	1110.5	1145.7	1205.1	1264.5	1319.0	1373.5	1333.7	1293.9	1131.3	922.1	727.7
30°	1107.6	1149.3	1224.6	1299.7	1396.8	1493.9	1519.7	1545.4	1361.6	1110.7	864.2
32.5°	1127.3	1175.6	1263.1	1350.5	1489.0	1627.3	1718.2	1809.1	1614.3	1321.1	1017.0
35°	1157.2	1213.1	1307.0	1401.2	1576.5	1751.9	1900.7	2049.7	1871.4	1550.9	1190.9
37.5°	1187.7	1238.9	1341.5	1444.3	1656.9	1869.6	2094.0	2318.5	2153.9	1809.5	1387.5
40°	1301.4	1334.9	1425.3	1515.6	1764.2	2012.6	2307.6	2602.6	2463.7	2084.3	1591.1
42.5°	1617.9	1606.5	1649.2	1692.0	1957.7	2223.4	2585.8	2948.2	2793.4	2360.3	1788.7
45°	2206.3	2119.2	2103.3	2087.4	2387.4	2687.4	3130.0	3572.7	3268.0	2693.8	2005.7
47.5°	3180.3	2968.6	2862.0	2755.5	3138.3	3521.1	4002.6	4484.0	3975.2	3121.3	2248.6
50°	4566.2	4161.5	3936.8	3712.2	4190.1	4667.9	5179.7	5691.5	4806.8	3567.0	2481.5
52.5°	6231.1	5637.1	5255.7	4874.3	5433.5	5992.6	6387.3	6782.0	5402.9	3814.0	2581.6
55°	8274.0	7491.3	7026.3	6561.2	7148.0	7734.8	7605.9	7476.9	5629.5	3815.5	2532.3
57.5°	10348.7	9381.4	8901.4	8421.5	8832.4	9243.4	8481.1	7718.8	5344.1	3463.0	2280.8
60°	11729.1	10656.4	10005.2	9353.8	9386.0	9418.2	8327.3	7236.3	4754.3	2861.8	1847.5
62.5°	11403.0	10401.2	9483.6	8566.1	8402.5	8239.1	7339.4	6439.6	4049.6	2313.0	1465.4
65°	10233.5	9328.6	8348.8	7369.2	7242.7	7116.3	6311.5	5506.6	3390.2	1867.1	1151.1
67.5°	8844.3	8173.4	7340.0	6506.5	6426.9	6347.5	5532.8	4718.2	2725.6	1437.5	855.1
70°	7451.9	7059.7	6469.7	5879.7	5748.0	5616.3	4754.8	3893.3	2110.9	1077.6	634.6
72.5°	5969.0	5775.0	5365.3	4955.6	4834.0	4712.4	3839.8	2967.4	1456.1	711.0	421.8
75°	4539.4	4461.3	4173.9	3886.7	3726.9	3567.2	2817.5	2067.6	929.9	437.7	265.1
77.5°	3340.4	3303.3	2991.8	2680.3	2397.3	2114.3	1611.6	1109.0	487.2	229.7	144.4
80°	2219.1	2201.1	1826.6	1452.4	1119.7	787.1	556.7	326.4	147.8	79.1	57.7
82.5°	1279.9	1305.5	1033.4	761.3	529.9	298.5	198.5	98.5	45.1	28.2	24.1
85°	596.0	646.6	522.3	398.0	257.3	116.5	69.1	21.8	11.0	8.7	7.9
87.5°	171.4	209.9	179.2	148.5	91.6	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



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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°	374.7	374.0	373.5	373.0	372.4	371.2	370.6	371.0	371.4	370.9	370.1
5°	362.5	360.2	357.7	355.2	352.6	350.7	347.6	347.6	347.5	348.4	349.4
7.5°	346.8	343.6	340.4	338.1	336.0	334.7	334.3	332.0	329.9	329.9	329.9
10°	339.2	335.3	331.5	327.9	324.4	321.2	321.9	320.5	318.9	318.0	317.1
12.5°	336.3	330.1	323.8	320.0	316.1	313.6	312.0	310.1	308.2	307.0	305.9
15°	341.7	330.8	320.0	315.0	310.0	305.9	300.5	299.4	298.2	296.8	295.4
17.5°	353.0	334.3	315.9	309.1	302.3	297.6	294.6	291.6	288.6	286.0	283.5
20°	373.5	343.5	313.6	304.4	295.0	290.5	285.9	282.0	278.0	274.5	271.1
22.5°	413.1	364.2	315.5	301.0	286.7	280.3	272.9	269.3	266.0	261.7	257.5
25°	459.2	387.0	314.8	294.6	274.5	267.5	263.4	258.4	253.4	248.8	244.2
27.5°	533.4	426.2	318.9	291.6	263.9	255.3	251.0	246.2	241.6	236.8	231.9
30°	617.9	473.3	328.7	291.0	253.4	242.5	238.6	234.5	230.4	225.4	220.4
32.5°	712.9	526.3	339.8	292.8	245.7	234.2	226.8	222.2	217.6	213.1	208.6
35°	830.9	593.6	356.1	294.2	232.3	219.5	213.2	209.4	205.4	200.4	195.6
37.5°	965.7	668.9	372.2	295.5	218.9	204.8	200.7	197.6	194.5	189.3	184.0
40°	1098.1	742.8	387.5	297.7	208.0	192.6	187.6	185.5	183.3	178.2	173.0
42.5°	1217.1	809.1	401.2	301.5	202.0	177.9	175.5	172.7	170.0	165.1	160.2
45°	1317.6	865.4	413.4	309.0	204.5	165.1	160.8	158.3	155.9	152.6	149.5
47.5°	1375.8	899.7	423.6	320.1	216.6	156.8	144.1	142.6	141.0	140.1	139.2
50°	1396.1	915.0	433.9	336.7	239.6	165.1	139.5	134.3	129.0	129.0	129.0
52.5°	1349.2	889.8	430.3	347.1	263.9	193.3	147.3	132.1	116.7	116.5	116.2
55°	1249.1	830.8	412.4	348.4	284.4	232.3	166.5	136.7	106.9	104.2	101.4
57.5°	1098.8	748.6	398.3	337.2	276.2	247.7	182.0	141.8	101.4	93.7	86.0
60°	833.2	621.0	408.9	327.1	245.5	222.7	178.4	139.5	100.9	87.0	73.2
62.5°	617.9	494.5	371.2	291.3	211.4	176.6	159.3	131.2	103.0	83.7	64.2
65°	435.2	377.3	319.3	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	102.6	91.5	80.4	66.0	51.8
70°	191.3	176.4	161.3	148.0	134.6	97.9	79.6	70.1	60.8	53.2	45.8
72.5°	132.8	122.1	111.3	104.4	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



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CATALOG NUMBER: UPW-SA2-090-750-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°	369.1	368.0	368.9	369.9	368.7	367.6	367.8	368.0	366.7	365.4	364.0
5°	349.5	349.7	351.2	352.6	353.1	353.5	354.0	354.5	354.8	355.2	355.3
7.5°	330.2	330.5	331.4	332.1	333.3	334.3	337.1	339.8	341.2	342.7	344.4
10°	316.4	315.9	318.6	321.2	322.0	322.8	326.1	329.2	331.0	332.8	334.2
12.5°	304.6	303.3	304.6	305.9	308.3	310.7	315.4	320.0	323.5	327.0	327.8
15°	294.1	292.8	293.9	295.0	296.3	297.6	302.2	306.9	310.9	314.8	316.8
17.5°	281.3	279.0	278.0	277.1	281.3	285.4	289.4	293.3	297.6	301.8	305.4
20°	268.3	265.6	264.9	264.3	266.1	267.7	272.9	278.0	283.1	288.2	289.9
22.5°	253.7	249.8	248.8	247.7	248.5	249.6	252.1	254.7	258.5	262.4	265.2
25°	240.1	236.1	232.9	229.7	229.9	230.1	231.5	232.9	234.3	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	207.3
30°	214.9	209.3	204.8	200.3	195.7	191.0	188.0	184.9	181.7	178.5	176.1
32.5°	203.2	197.7	189.7	181.7	176.9	172.1	166.5	161.0	155.1	149.5	145.6
35°	189.4	183.3	175.9	168.3	160.1	152.0	143.9	135.7	128.0	120.3	116.0
37.5°	176.5	168.9	161.0	152.9	141.6	130.3	120.8	111.3	103.5	95.7	91.1
40°	164.3	155.5	144.6	133.7	121.5	109.0	98.8	88.6	81.1	73.6	69.8
42.5°	151.8	143.3	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	103.5	88.3	76.2	64.0	55.3	46.7	41.1	35.6	33.0
50°	118.5	108.1	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	29.9	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	36.3	29.7	24.3	18.9	14.0	9.0	6.7
62.5°	57.8	51.5	42.7	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: P1209100

CATALOG NUMBER: UPW-SA2-090-750-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	367.8	367.6	368.7	369.9
5°	355.5	355.8	355.5	355.3	355.2	354.8	354.5	354.0	353.5	353.1	352.6
7.5°	346.2	349.4	346.2	344.4	342.7	341.2	339.8	337.1	334.3	333.3	332.1
10°	335.6	337.9	335.6	334.2	332.8	331.0	329.2	326.1	322.8	322.0	321.2
12.5°	328.7	328.9	328.7	327.8	327.0	323.5	320.0	315.4	310.7	308.3	305.9
15°	318.7	320.0	318.7	316.8	314.8	310.9	306.9	302.2	297.6	296.3	295.0
17.5°	309.1	311.0	309.1	305.4	301.8	297.6	293.3	289.4	285.4	281.3	277.1
20°	291.6	290.5	291.6	289.9	288.2	283.1	278.0	272.9	267.7	266.1	264.3
22.5°	268.1	271.3	268.1	265.2	262.4	258.5	254.7	252.1	249.6	248.5	247.7
25°	239.1	240.6	239.1	237.4	235.8	234.3	232.9	231.5	230.1	229.9	229.7
27.5°	207.1	206.1	207.1	207.3	207.6	208.0	208.4	209.8	211.2	212.7	214.4
30°	173.8	172.8	173.8	176.1	178.5	181.7	184.9	188.0	191.0	195.7	200.3
32.5°	141.8	139.5	141.8	145.6	149.5	155.1	161.0	166.5	172.1	176.9	181.7
35°	111.6	110.1	111.6	116.0	120.3	128.0	135.7	143.9	152.0	160.1	168.3
37.5°	86.8	84.5	86.8	91.1	95.7	103.5	111.3	120.8	130.3	141.6	152.9
40°	65.9	64.0	65.9	69.8	73.6	81.1	88.6	98.8	109.0	121.5	133.7
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	29.9	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	36.3	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: P1209100

CATALOG NUMBER: UPW-SA2-090-750-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	369.1	370.1	370.9	371.4	371.0	370.6	371.2	372.4	373.0
5°	351.2	349.7	349.5	349.4	348.4	347.5	347.6	347.6	350.7	352.6	355.2
7.5°	331.4	330.5	330.2	329.9	329.9	329.9	332.0	334.3	334.7	336.0	338.1
10°	318.6	315.9	316.4	317.1	318.0	318.9	320.5	321.9	321.2	324.4	327.9
12.5°	304.6	303.3	304.6	305.9	307.0	308.2	310.1	312.0	313.6	316.1	320.0
15°	293.9	292.8	294.1	295.4	296.8	298.2	299.4	300.5	305.9	310.0	315.0
17.5°	278.0	279.0	281.3	283.5	286.0	288.6	291.6	294.6	297.6	302.3	309.1
20°	264.9	265.6	268.3	271.1	274.5	278.0	282.0	285.9	290.5	295.0	304.4
22.5°	248.8	249.8	253.7	257.5	261.7	266.0	269.3	272.9	280.3	286.7	301.0
25°	232.9	236.1	240.1	244.2	248.8	253.4	258.4	263.4	267.5	274.5	294.6
27.5°	218.6	222.7	227.3	231.9	236.8	241.6	246.2	251.0	255.3	263.9	291.6
30°	204.8	209.3	214.9	220.4	225.4	230.4	234.5	238.6	242.5	253.4	291.0
32.5°	189.7	197.7	203.2	208.6	213.1	217.6	222.2	226.8	234.2	245.7	292.8
35°	175.9	183.3	189.4	195.6	200.4	205.4	209.4	213.2	219.5	232.3	294.2
37.5°	161.0	168.9	176.5	184.0	189.3	194.5	197.6	200.7	204.8	218.9	295.5
40°	144.6	155.5	164.3	173.0	178.2	183.3	185.5	187.6	192.6	208.0	297.7
42.5°	130.8	143.3	151.8	160.2	165.1	170.0	172.7	175.5	177.9	202.0	301.5
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°	103.5	118.8	129.0	139.2	140.1	141.0	142.6	144.1	156.8	216.6	320.1
50°	92.8	108.1	118.5	129.0	129.0	129.0	134.3	139.5	165.1	239.6	336.7
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	337.2
60°	51.8	60.8	67.1	73.2	87.0	100.9	139.5	178.4	222.7	245.5	327.1
62.5°	42.7	51.5	57.8	64.2	83.7	103.0	131.2	159.3	176.6	211.4	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	102.6	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	134.6	148.0
72.5°	12.5	19.8	27.6	35.6	40.2	44.8	53.2	61.7	80.6	97.5	104.4
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: P1209100

CATALOG NUMBER: UPW-SA2-090-750-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	374.7	376.3	377.8	378.8	377.6
5°	357.7	360.2	362.5	365.0	367.6	371.4	376.3
7.5°	340.4	343.6	346.8	350.7	354.5	359.1	364.1
10°	331.5	335.3	339.2	345.3	351.3	359.3	365.4
12.5°	323.8	330.1	336.3	348.4	360.7	377.2	392.3
15°	320.0	330.8	341.7	364.5	387.2	417.0	448.0
17.5°	315.9	334.3	353.0	394.3	435.8	492.9	560.6
20°	313.6	343.5	373.5	441.4	509.4	602.3	705.8
22.5°	315.5	364.2	413.1	516.8	620.5	751.3	876.7
25°	314.8	387.0	459.2	606.0	752.8	929.8	1083.4
27.5°	318.9	426.2	533.4	727.7	922.1	1131.3	1293.9
30°	328.7	473.3	617.9	864.2	1110.7	1361.6	1545.4
32.5°	339.8	526.3	712.9	1017.0	1321.1	1614.3	1809.1
35°	356.1	593.6	830.9	1190.9	1550.9	1871.4	2049.7
37.5°	372.2	668.9	965.7	1387.5	1809.5	2153.9	2318.5
40°	387.5	742.8	1098.1	1591.1	2084.3	2463.7	2602.6
42.5°	401.2	809.1	1217.1	1788.7	2360.3	2793.4	2948.2
45°	413.4	865.4	1317.6	2005.7	2693.8	3268.0	3572.7
47.5°	423.6	899.7	1375.8	2248.6	3121.3	3975.2	4484.0
50°	433.9	915.0	1396.1	2481.5	3567.0	4806.8	5691.5
52.5°	430.3	889.8	1349.2	2581.6	3814.0	5402.9	6782.0
55°	412.4	830.8	1249.1	2532.3	3815.5	5629.5	7476.9
57.5°	398.3	748.6	1098.8	2280.8	3463.0	5344.1	7718.8
60°	408.9	621.0	833.2	1847.5	2861.8	4754.3	7236.3
62.5°	371.2	494.5	617.9	1465.4	2313.0	4049.6	6439.6
65°	319.3	377.3	435.2	1151.1	1867.1	3390.2	5506.6
67.5°	221.2	246.9	272.6	855.1	1437.5	2725.6	4718.2
70°	161.3	176.4	191.3	634.6	1077.6	2110.9	3893.3
72.5°	111.3	122.1	132.8	421.8	711.0	1456.1	2967.4
75°	76.5	84.5	92.4	265.1	437.7	929.9	2067.6
77.5°	46.7	52.7	58.9	144.4	229.7	487.2	1109.0
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	98.5
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)