

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: P1208372

Luminaire Tested: UPW-SA1-060-750-U-SLL

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-947-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-750-U-SLL
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 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: 7254 lumens
Efficiency: N/A
Efficacy: 122.9 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

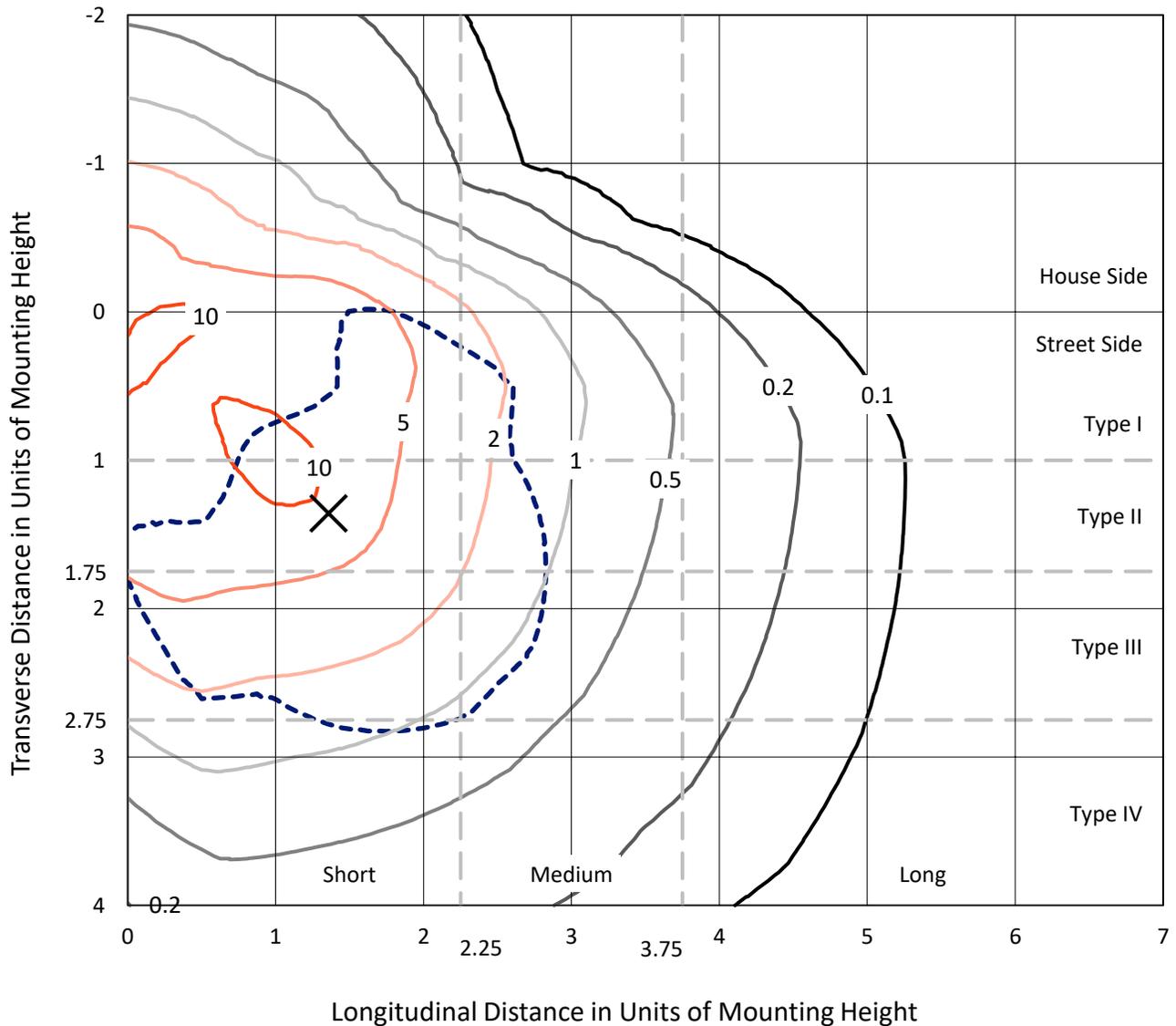


REPORT NUMBER: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

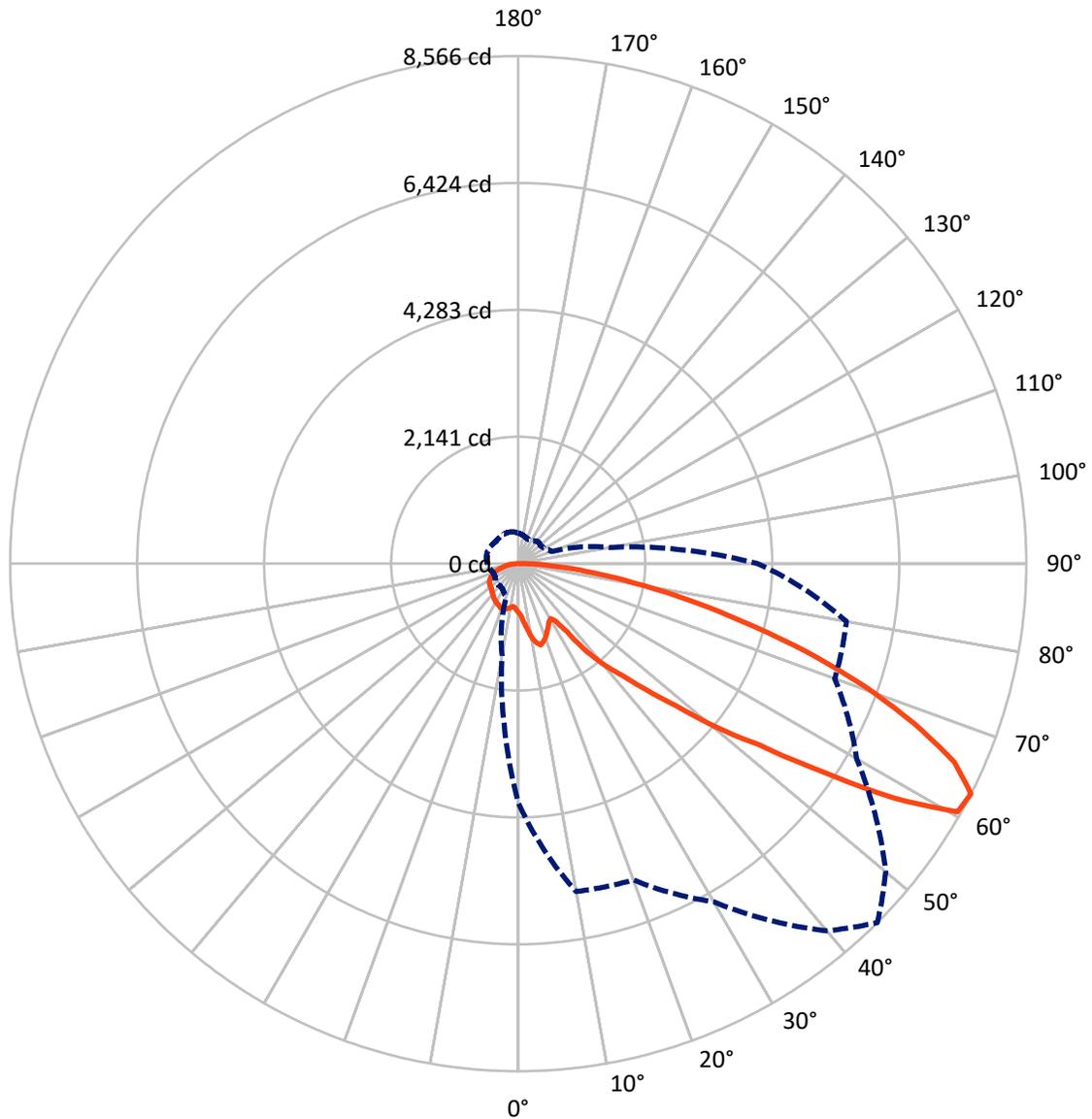


Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1777.7	0.0	1777.7
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	5476.3	0.0	5476.3
	% Fixture	75.5	0.0	75.5
Total	Lumens	7254.0	0.0	7254.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.1
10°-20°	278.3	3.8
20°-30°	452.6	6.2
30°-40°	617.4	8.5
40°-50°	934.8	12.9
50°-60°	1607.4	22.2
60°-70°	1885.1	26.0
70°-80°	1124.3	15.5
80°-90°	271.6	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°	7254.0	100.0
0°-180°	7254.0	100.0



REPORT NUMBER: P1208372

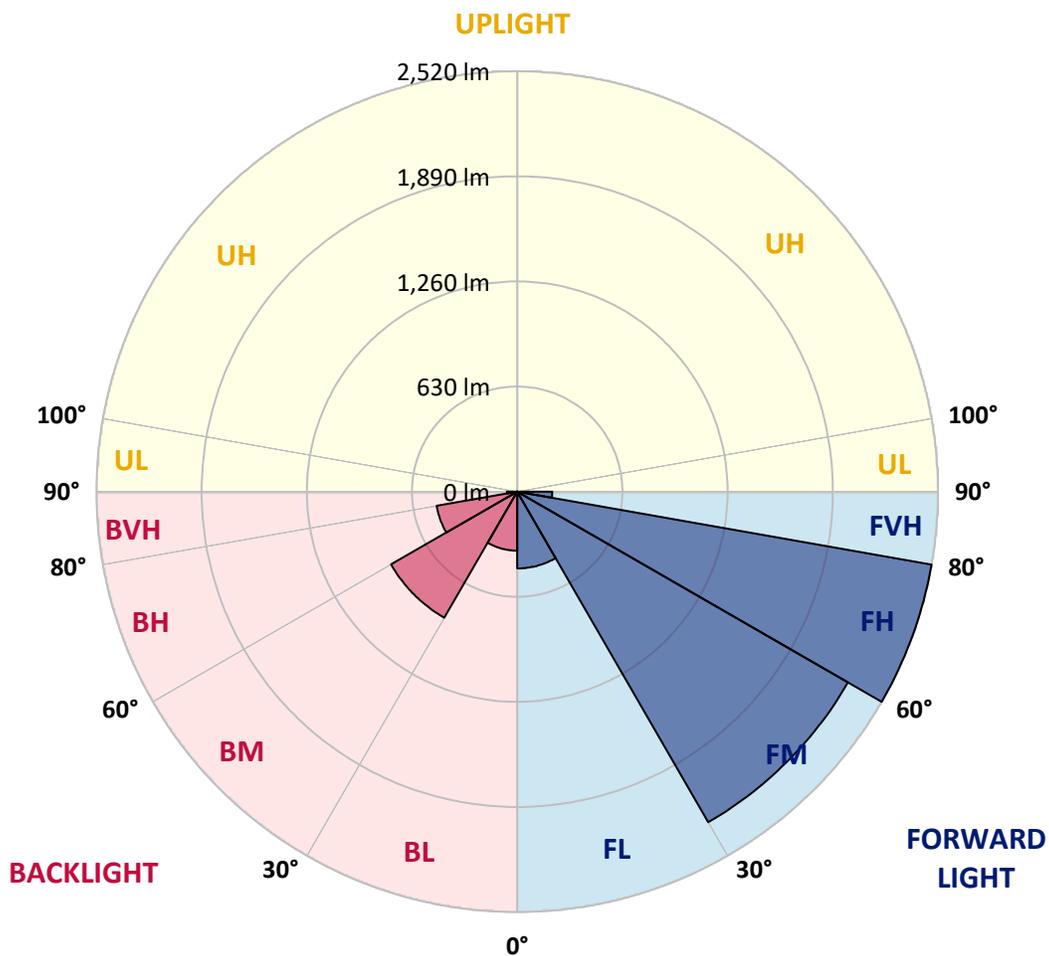
CATALOG NUMBER: UPW-SA1-060-750-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	459.8	6.3			
FM	(30°-60°)	2287.1	31.5			
FH	(60°-80°)	2519.6	34.7			G2/5000
FVH	(80°-90°)	209.9	2.9			G2/225
BL	(0°-30°)	353.6	4.9	B1/500		
BM	(30°-60°)	872.5	12.0	B1/1000		
BH	(60°-80°)	489.9	6.8	B1/500		G1/500
BVH	(80°-90°)	61.7	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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	860.9	864.6	868.2	869.8	871.3	872.8	874.3	875.4	876.6	873.9	876.6
5°	920.9	932.3	943.6	953.4	963.2	970.7	978.1	981.7	985.4	991.4	985.4
7.5°	1002.4	1017.9	1033.4	1054.8	1076.2	1090.7	1105.1	1111.4	1117.7	1119.5	1117.7
10°	1061.6	1101.3	1141.0	1164.6	1188.3	1205.5	1222.9	1237.7	1252.6	1269.5	1252.6
12.5°	1133.3	1178.5	1223.7	1257.7	1291.8	1313.7	1335.6	1350.2	1365.0	1370.0	1365.0
15°	1204.2	1253.6	1302.9	1334.8	1366.8	1383.8	1400.8	1408.1	1415.4	1424.3	1415.4
17.5°	1282.5	1319.4	1356.4	1377.5	1398.6	1399.3	1400.0	1390.9	1381.7	1379.7	1381.7
20°	1338.0	1368.6	1399.2	1399.6	1400.0	1381.8	1363.5	1347.6	1331.8	1324.6	1331.8
22.5°	1378.9	1399.9	1420.9	1399.3	1377.7	1337.2	1296.7	1273.6	1250.6	1244.4	1250.6
25°	1434.5	1437.7	1441.0	1396.9	1353.0	1296.4	1239.9	1210.4	1180.8	1173.8	1180.8
27.5°	1470.1	1459.9	1449.6	1382.9	1316.1	1249.7	1183.4	1149.8	1116.1	1106.6	1116.1
30°	1522.0	1485.0	1447.8	1361.8	1275.8	1209.0	1142.2	1114.1	1086.0	1077.4	1086.0
32.5°	1574.3	1512.5	1450.7	1358.5	1266.3	1219.7	1173.2	1165.6	1157.9	1152.0	1157.9
35°	1617.3	1547.9	1478.5	1409.0	1339.6	1346.7	1353.8	1378.8	1403.8	1403.3	1403.8
37.5°	1692.7	1621.6	1550.6	1539.1	1527.7	1617.3	1706.8	1778.8	1850.6	1888.0	1850.6
40°	1797.6	1747.8	1697.9	1739.5	1781.0	1905.5	2030.1	2115.2	2200.3	2262.6	2200.3
42.5°	1944.0	1915.6	1887.2	1939.2	1991.1	2127.8	2264.3	2380.4	2496.4	2583.6	2496.4
45°	2194.9	2165.6	2136.3	2161.1	2185.7	2356.8	2527.8	2709.6	2891.3	3044.8	2891.3
47.5°	2614.8	2546.7	2478.6	2457.8	2437.0	2667.5	2898.0	3163.5	3429.3	3587.2	3429.3
50°	3170.1	3063.7	2957.3	2860.2	2763.1	3088.3	3413.5	3800.4	4187.2	4350.0	4187.2
52.5°	3680.8	3583.1	3485.4	3314.8	3144.2	3529.0	3913.9	4416.2	4918.6	5074.7	4918.6
55°	4123.8	4164.7	4205.6	3974.7	3743.8	4170.8	4597.7	5241.3	5884.8	6160.2	5884.8
57.5°	4443.2	4806.6	5170.0	4923.2	4676.5	5075.1	5473.6	6238.5	7003.5	7464.6	7003.5
60°	4388.5	5116.8	5845.0	5735.5	5626.0	5966.5	6306.9	7136.9	7966.9	8505.5	7966.9
62.5°	4031.8	4824.4	5617.1	5648.0	5678.8	6133.5	6588.2	7338.6	8088.9	8565.5	8088.9
65°	3588.4	4334.4	5080.4	5126.2	5172.0	5697.7	6223.5	6959.4	7695.4	8079.9	7695.4
67.5°	3078.5	3854.3	4630.1	4657.7	4685.5	5165.9	5646.4	6308.9	6971.4	7192.2	6971.4
70°	2639.9	3378.9	4118.0	4178.6	4239.1	4658.7	5078.1	5568.7	6059.2	6185.3	6059.2
72.5°	2116.6	2859.9	3603.2	3695.8	3788.4	4095.8	4403.1	4746.1	5089.0	5077.2	5089.0
75°	1557.3	2253.8	2950.4	3078.5	3206.6	3395.1	3583.5	3764.6	3945.8	3894.4	3945.8
77.5°	1079.8	1643.1	2206.5	2342.1	2477.8	2610.7	2743.7	2871.4	2999.0	2918.4	2999.0
80°	595.4	996.8	1398.2	1550.9	1703.6	1842.6	1981.4	2047.3	2113.2	1977.2	2113.2
82.5°	294.7	518.8	743.0	894.9	1046.7	1187.5	1328.3	1369.5	1410.7	1280.8	1410.7
85°	115.9	228.4	340.9	454.3	567.6	678.5	789.4	793.6	797.9	704.5	797.9
87.5°	41.7	87.7	133.8	192.1	250.5	310.1	369.7	367.6	365.4	301.6	365.4
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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	875.4	874.3	872.8	871.3	869.8	868.2	864.6	860.9	858.7	857.8	854.8
5°	981.7	978.1	970.7	963.2	953.4	943.6	932.3	920.9	914.2	904.9	891.6
7.5°	1111.4	1105.1	1090.7	1076.2	1054.8	1033.4	1017.9	1002.4	971.9	946.2	925.0
10°	1237.7	1222.9	1205.5	1188.3	1164.6	1141.0	1101.3	1061.6	1036.3	1006.4	970.4
12.5°	1350.2	1335.6	1313.7	1291.8	1257.7	1223.7	1178.5	1133.3	1094.5	1052.2	1008.8
15°	1408.1	1400.8	1383.8	1366.8	1334.8	1302.9	1253.6	1204.2	1157.0	1103.7	1046.5
17.5°	1390.9	1400.0	1399.3	1398.6	1377.5	1356.4	1319.4	1282.5	1213.3	1145.1	1077.3
20°	1347.6	1363.5	1381.8	1400.0	1399.6	1399.2	1368.6	1338.0	1268.2	1194.3	1112.1
22.5°	1273.6	1296.7	1337.2	1377.7	1399.3	1420.9	1399.9	1378.9	1306.1	1226.5	1131.3
25°	1210.4	1239.9	1296.4	1353.0	1396.9	1441.0	1437.7	1434.5	1347.2	1254.3	1143.4
27.5°	1149.8	1183.4	1249.7	1316.1	1382.9	1449.6	1459.9	1470.1	1391.6	1301.9	1177.2
30°	1114.1	1142.2	1209.0	1275.8	1361.8	1447.8	1485.0	1522.0	1441.2	1345.7	1205.9
32.5°	1165.6	1173.2	1219.7	1266.3	1358.5	1450.7	1512.5	1574.3	1487.2	1383.2	1224.5
35°	1378.8	1353.8	1346.7	1339.6	1409.0	1478.5	1547.9	1617.3	1531.7	1421.9	1241.6
37.5°	1778.8	1706.8	1617.3	1527.7	1539.1	1550.6	1621.6	1692.7	1590.4	1460.0	1254.9
40°	2115.2	2030.1	1905.5	1781.0	1739.5	1697.9	1747.8	1797.6	1685.1	1528.3	1285.1
42.5°	2380.4	2264.3	2127.8	1991.1	1939.2	1887.2	1915.6	1944.0	1788.9	1591.5	1313.8
45°	2709.6	2527.8	2356.8	2185.7	2161.1	2136.3	2165.6	2194.9	1956.6	1679.3	1353.1
47.5°	3163.5	2898.0	2667.5	2437.0	2457.8	2478.6	2546.7	2614.8	2237.5	1820.6	1415.8
50°	3800.4	3413.5	3088.3	2763.1	2860.2	2957.3	3063.7	3170.1	2639.5	2046.8	1526.6
52.5°	4416.2	3913.9	3529.0	3144.2	3314.8	3485.4	3583.1	3680.8	2990.1	2229.7	1611.6
55°	5241.3	4597.7	4170.8	3743.8	3974.7	4205.6	4164.7	4123.8	3225.6	2304.5	1633.8
57.5°	6238.5	5473.6	5075.1	4676.5	4923.2	5170.0	4806.6	4443.2	3259.9	2166.7	1529.8
60°	7136.9	6306.9	5966.5	5626.0	5735.5	5845.0	5116.8	4388.5	3057.2	1863.9	1303.4
62.5°	7338.6	6588.2	6133.5	5678.8	5648.0	5617.1	4824.4	4031.8	2721.7	1565.5	1083.1
65°	6959.4	6223.5	5697.7	5172.0	5126.2	5080.4	4334.4	3588.4	2349.3	1285.1	881.2
67.5°	6308.9	5646.4	5165.9	4685.5	4657.7	4630.1	3854.3	3078.5	1957.5	1024.8	693.3
70°	5568.7	5078.1	4658.7	4239.1	4178.6	4118.0	3378.9	2639.9	1604.1	788.1	538.6
72.5°	4746.1	4403.1	4095.8	3788.4	3695.8	3603.2	2859.9	2116.6	1237.7	577.2	406.3
75°	3764.6	3583.5	3395.1	3206.6	3078.5	2950.4	2253.8	1557.3	890.8	407.0	300.4
77.5°	2871.4	2743.7	2610.7	2477.8	2342.1	2206.5	1643.1	1079.8	613.5	283.9	221.3
80°	2047.3	1981.4	1842.6	1703.6	1550.9	1398.2	996.8	595.4	353.1	183.2	152.8
82.5°	1369.5	1328.3	1187.5	1046.7	894.9	743.0	518.8	294.7	188.3	115.3	102.9
85°	793.6	789.4	678.5	567.6	454.3	340.9	228.4	115.9	85.1	64.7	61.3
87.5°	367.6	369.7	310.1	250.5	192.1	133.8	87.7	41.7	32.4	26.9	25.8
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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	851.8	846.4	841.1	837.3	833.4	828.9	821.8	818.3	814.7	811.3	807.8
5°	878.4	865.9	853.5	843.0	832.5	823.2	814.6	804.8	795.1	786.7	778.2
7.5°	903.9	883.8	863.8	848.4	833.0	818.4	804.0	792.6	781.1	771.7	762.4
10°	934.5	906.5	878.6	861.4	844.3	830.9	808.2	796.2	784.1	775.0	765.9
12.5°	965.3	930.0	894.8	869.9	845.1	826.5	817.0	811.4	805.8	799.2	792.7
15°	989.2	944.4	899.7	871.1	842.7	823.2	817.8	819.7	821.6	823.7	825.9
17.5°	1009.4	951.2	892.9	859.5	826.1	807.0	815.8	822.3	828.7	838.4	848.1
20°	1029.7	956.4	883.0	842.6	802.1	783.5	787.5	802.6	817.6	835.9	854.3
22.5°	1036.0	949.1	862.1	816.4	770.8	752.3	768.3	786.7	805.1	824.4	843.5
25°	1032.6	933.6	834.6	788.0	741.4	725.9	742.2	760.3	778.4	796.9	815.4
27.5°	1052.4	937.4	822.4	770.8	719.1	702.4	718.1	733.3	748.6	764.9	781.1
30°	1066.0	939.6	813.3	758.9	704.6	686.6	691.7	702.3	712.7	727.0	741.1
32.5°	1065.9	928.9	791.9	740.9	689.9	673.7	678.7	683.1	687.4	697.6	707.7
35°	1061.3	913.5	765.7	719.0	672.2	659.9	658.3	658.1	657.9	662.4	667.0
37.5°	1049.8	890.8	731.6	687.0	642.4	633.5	630.1	627.3	624.4	627.4	630.3
40°	1041.9	868.7	695.5	652.5	609.5	606.4	603.9	599.9	595.8	596.2	596.5
42.5°	1036.0	850.4	664.7	623.5	582.2	576.4	569.9	567.9	566.0	565.0	563.8
45°	1026.9	835.7	644.5	603.0	561.4	544.4	544.1	539.7	535.4	537.0	538.4
47.5°	1011.1	820.5	629.9	592.3	554.7	527.7	517.7	515.4	513.1	515.6	518.0
50°	1006.7	814.9	623.2	588.7	554.3	514.8	495.8	494.4	493.0	500.0	506.8
52.5°	993.5	800.9	608.2	581.6	554.9	515.6	489.9	486.3	482.7	492.9	503.0
55°	963.1	771.9	580.8	571.0	561.1	537.9	492.9	481.3	469.8	482.2	494.5
57.5°	892.9	728.7	564.4	558.2	552.1	552.5	501.6	479.6	457.6	469.8	481.9
60°	742.7	647.7	552.7	534.1	515.6	533.4	503.4	477.8	452.2	459.2	466.3
62.5°	600.7	555.6	510.6	495.7	480.9	501.8	491.1	469.4	447.6	446.8	446.0
65°	477.3	468.4	459.5	456.2	453.0	458.4	464.5	450.3	436.1	429.8	423.6
67.5°	361.7	369.7	377.8	393.5	409.2	411.4	425.6	417.8	410.0	405.2	400.3
70°	289.0	299.9	310.9	334.2	357.5	368.9	381.6	382.6	383.6	380.0	376.3
72.5°	235.5	245.0	254.5	280.9	307.2	332.0	345.7	345.7	345.7	344.0	342.3
75°	193.9	201.0	207.9	232.3	256.8	288.2	302.5	303.8	305.2	304.1	303.0
77.5°	158.7	162.1	165.5	187.7	210.0	246.8	261.7	265.0	268.3	267.0	265.7
80°	122.4	124.8	127.1	145.6	164.2	197.0	214.3	219.1	223.9	223.6	223.1
82.5°	90.4	91.7	93.1	107.1	121.2	144.7	163.3	170.8	178.3	183.9	189.3
85°	58.0	58.7	59.3	68.2	77.0	91.6	110.4	124.4	138.2	148.4	158.5
87.5°	24.5	23.7	22.9	27.4	31.8	39.7	62.6	76.8	91.0	96.1	101.3
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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	804.6	801.3	798.9	796.5	791.7	787.0	784.3	781.6	780.7	779.9	781.8
5°	773.0	767.7	762.0	756.3	752.0	747.6	744.2	740.8	739.3	737.9	738.4
7.5°	754.8	747.3	741.8	736.5	735.4	734.5	732.2	730.0	729.8	729.6	730.2
10°	758.9	752.1	748.3	744.6	743.4	742.2	742.1	741.9	744.2	746.5	748.3
12.5°	785.7	778.9	779.1	779.5	773.5	767.7	766.2	764.6	767.5	770.3	771.3
15°	824.0	822.2	815.4	808.6	801.7	794.6	792.3	790.0	789.7	789.6	788.6
17.5°	852.2	856.2	848.3	840.3	829.0	817.8	812.4	807.3	804.9	802.6	801.4
20°	861.0	867.8	860.1	852.4	839.8	827.3	818.9	810.7	809.4	808.2	808.1
22.5°	849.5	855.4	851.1	846.7	833.2	819.6	810.6	801.6	797.8	794.0	795.7
25°	823.7	832.1	831.1	830.1	816.0	801.9	792.0	782.1	780.3	778.4	777.9
27.5°	790.5	800.0	801.3	802.6	792.0	781.5	772.2	763.0	761.4	759.8	761.9
30°	750.8	760.6	764.0	767.3	760.6	753.9	747.6	741.4	741.7	741.9	745.1
32.5°	716.9	726.2	731.3	736.5	735.4	734.3	731.9	729.4	726.2	722.9	724.0
35°	675.4	683.8	693.8	703.7	705.0	706.2	707.2	708.1	708.1	708.1	710.8
37.5°	637.6	644.9	655.2	665.6	672.9	680.3	683.7	687.0	689.7	692.3	693.4
40°	603.1	609.6	619.3	629.1	642.8	656.5	664.0	671.6	672.0	672.2	670.6
42.5°	569.4	574.9	589.7	604.3	619.7	634.9	641.6	648.4	651.3	654.2	654.9
45°	545.5	552.5	565.2	578.0	595.5	613.0	621.4	629.7	631.2	632.7	632.3
47.5°	525.1	532.2	547.8	563.4	580.5	597.6	606.5	615.3	616.6	617.9	618.9
50°	514.9	523.0	536.6	550.0	568.3	586.5	598.7	610.8	610.4	610.0	606.8
52.5°	509.2	515.4	528.1	540.7	560.7	580.6	592.4	604.1	605.2	606.2	604.3
55°	502.0	509.5	523.5	537.5	555.2	573.0	584.3	595.7	596.8	598.1	594.5
57.5°	494.9	507.9	522.1	536.3	554.4	572.5	582.2	591.9	589.8	587.6	584.8
60°	484.9	503.4	516.8	530.2	547.0	563.8	570.5	577.2	574.6	571.9	565.9
62.5°	466.0	485.7	501.1	516.4	531.7	547.0	551.7	556.5	554.0	551.4	544.7
65°	441.1	458.7	475.0	491.3	503.9	516.6	522.4	528.1	524.0	519.8	513.1
67.5°	417.4	434.5	447.1	459.6	472.2	484.8	489.6	494.3	489.7	485.2	476.3
70°	389.0	401.4	417.6	433.7	440.7	447.6	450.3	453.0	448.6	444.2	438.6
72.5°	354.7	367.1	377.7	388.3	394.9	401.4	404.5	407.6	402.7	397.9	390.3
75°	313.6	324.3	334.0	343.7	350.9	357.9	359.8	361.6	355.5	349.4	341.5
77.5°	272.2	278.7	282.8	287.0	295.1	303.2	304.7	306.3	301.6	297.1	289.7
80°	226.2	229.3	230.3	231.4	237.4	243.4	245.0	246.6	244.4	242.2	236.1
82.5°	191.3	193.3	184.4	175.5	180.3	185.0	188.7	192.3	191.3	190.3	185.2
85°	152.5	146.6	123.5	100.5	109.6	118.8	124.8	130.9	132.0	132.9	129.4
87.5°	93.3	85.3	68.4	51.5	58.9	66.3	72.3	78.5	74.5	70.5	62.4
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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	783.7	786.3	783.7	781.8	779.9	780.7	781.6	784.3	787.0	791.7	796.5
5°	738.7	738.5	738.7	738.4	737.9	739.3	740.8	744.2	747.6	752.0	756.3
7.5°	730.8	728.0	730.8	730.2	729.6	729.8	730.0	732.2	734.5	735.4	736.5
10°	750.3	749.1	750.3	748.3	746.5	744.2	741.9	742.1	742.2	743.4	744.6
12.5°	772.4	770.1	772.4	771.3	770.3	767.5	764.6	766.2	767.7	773.5	779.5
15°	787.6	786.3	787.6	788.6	789.6	789.7	790.0	792.3	794.6	801.7	808.6
17.5°	800.3	801.7	800.3	801.4	802.6	804.9	807.3	812.4	817.8	829.0	840.3
20°	808.1	807.4	808.1	808.1	808.2	809.4	810.7	818.9	827.3	839.8	852.4
22.5°	797.3	802.6	797.3	795.7	794.0	797.8	801.6	810.6	819.6	833.2	846.7
25°	777.4	775.0	777.4	777.9	778.4	780.3	782.1	792.0	801.9	816.0	830.1
27.5°	763.8	765.3	763.8	761.9	759.8	761.4	763.0	772.2	781.5	792.0	802.6
30°	748.2	753.9	748.2	745.1	741.9	741.7	741.4	747.6	753.9	760.6	767.3
32.5°	725.1	729.6	725.1	724.0	722.9	726.2	729.4	731.9	734.3	735.4	736.5
35°	713.4	719.1	713.4	710.8	708.1	708.1	708.1	707.2	706.2	705.0	703.7
37.5°	694.6	694.7	694.6	693.4	692.3	689.7	687.0	683.7	680.3	672.9	665.6
40°	669.0	669.6	669.0	670.6	672.2	672.0	671.6	664.0	656.5	642.8	629.1
42.5°	655.7	657.4	655.7	654.9	654.2	651.3	648.4	641.6	634.9	619.7	604.3
45°	631.9	629.9	631.9	632.3	632.7	631.2	629.7	621.4	613.0	595.5	578.0
47.5°	620.0	621.8	620.0	618.9	617.9	616.6	615.3	606.5	597.6	580.5	563.4
50°	603.5	602.3	603.5	606.8	610.0	610.4	610.8	598.7	586.5	568.3	550.0
52.5°	602.5	603.1	602.5	604.3	606.2	605.2	604.1	592.4	580.6	560.7	540.7
55°	591.0	588.5	591.0	594.5	598.1	596.8	595.7	584.3	573.0	555.2	537.5
57.5°	582.1	582.9	582.1	584.8	587.6	589.8	591.9	582.2	572.5	554.4	536.3
60°	560.0	555.3	560.0	565.9	571.9	574.6	577.2	570.5	563.8	547.0	530.2
62.5°	537.9	529.4	537.9	544.7	551.4	554.0	556.5	551.7	547.0	531.7	516.4
65°	506.3	501.8	506.3	513.1	519.8	524.0	528.1	522.4	516.6	503.9	491.3
67.5°	467.3	460.5	467.3	476.3	485.2	489.7	494.3	489.6	484.8	472.2	459.6
70°	432.9	428.0	432.9	438.6	444.2	448.6	453.0	450.3	447.6	440.7	433.7
72.5°	382.6	377.8	382.6	390.3	397.9	402.7	407.6	404.5	401.4	394.9	388.3
75°	333.6	326.7	333.6	341.5	349.4	355.5	361.6	359.8	357.9	350.9	343.7
77.5°	282.3	275.6	282.3	289.7	297.1	301.6	306.3	304.7	303.2	295.1	287.0
80°	230.1	221.3	230.1	236.1	242.2	244.4	246.6	245.0	243.4	237.4	231.4
82.5°	180.1	172.7	180.1	185.2	190.3	191.3	192.3	188.7	185.0	180.3	175.5
85°	125.8	120.0	125.8	129.4	132.9	132.0	130.9	124.8	118.8	109.6	100.5
87.5°	54.3	45.4	54.3	62.4	70.5	74.5	78.5	72.3	66.3	58.9	51.5
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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	798.9	801.3	804.6	807.8	811.3	814.7	818.3	821.8	828.9	833.4	837.3
5°	762.0	767.7	773.0	778.2	786.7	795.1	804.8	814.6	823.2	832.5	843.0
7.5°	741.8	747.3	754.8	762.4	771.7	781.1	792.6	804.0	818.4	833.0	848.4
10°	748.3	752.1	758.9	765.9	775.0	784.1	796.2	808.2	830.9	844.3	861.4
12.5°	779.1	778.9	785.7	792.7	799.2	805.8	811.4	817.0	826.5	845.1	869.9
15°	815.4	822.2	824.0	825.9	823.7	821.6	819.7	817.8	823.2	842.7	871.1
17.5°	848.3	856.2	852.2	848.1	838.4	828.7	822.3	815.8	807.0	826.1	859.5
20°	860.1	867.8	861.0	854.3	835.9	817.6	802.6	787.5	783.5	802.1	842.6
22.5°	851.1	855.4	849.5	843.5	824.4	805.1	786.7	768.3	752.3	770.8	816.4
25°	831.1	832.1	823.7	815.4	796.9	778.4	760.3	742.2	725.9	741.4	788.0
27.5°	801.3	800.0	790.5	781.1	764.9	748.6	733.3	718.1	702.4	719.1	770.8
30°	764.0	760.6	750.8	741.1	727.0	712.7	702.3	691.7	686.6	704.6	758.9
32.5°	731.3	726.2	716.9	707.7	697.6	687.4	683.1	678.7	673.7	689.9	740.9
35°	693.8	683.8	675.4	667.0	662.4	657.9	658.1	658.3	659.9	672.2	719.0
37.5°	655.2	644.9	637.6	630.3	627.4	624.4	627.3	630.1	633.5	642.4	687.0
40°	619.3	609.6	603.1	596.5	596.2	595.8	599.9	603.9	606.4	609.5	652.5
42.5°	589.7	574.9	569.4	563.8	565.0	566.0	567.9	569.9	576.4	582.2	623.5
45°	565.2	552.5	545.5	538.4	537.0	535.4	539.7	544.1	544.4	561.4	603.0
47.5°	547.8	532.2	525.1	518.0	515.6	513.1	515.4	517.7	527.7	554.7	592.3
50°	536.6	523.0	514.9	506.8	500.0	493.0	494.4	495.8	514.8	554.3	588.7
52.5°	528.1	515.4	509.2	503.0	492.9	482.7	486.3	489.9	515.6	554.9	581.6
55°	523.5	509.5	502.0	494.5	482.2	469.8	481.3	492.9	537.9	561.1	571.0
57.5°	522.1	507.9	494.9	481.9	469.8	457.6	479.6	501.6	552.5	552.1	558.2
60°	516.8	503.4	484.9	466.3	459.2	452.2	477.8	503.4	533.4	515.6	534.1
62.5°	501.1	485.7	466.0	446.0	446.8	447.6	469.4	491.1	501.8	480.9	495.7
65°	475.0	458.7	441.1	423.6	429.8	436.1	450.3	464.5	458.4	453.0	456.2
67.5°	447.1	434.5	417.4	400.3	405.2	410.0	417.8	425.6	411.4	409.2	393.5
70°	417.6	401.4	389.0	376.3	380.0	383.6	382.6	381.6	368.9	357.5	334.2
72.5°	377.7	367.1	354.7	342.3	344.0	345.7	345.7	345.7	332.0	307.2	280.9
75°	334.0	324.3	313.6	303.0	304.1	305.2	303.8	302.5	288.2	256.8	232.3
77.5°	282.8	278.7	272.2	265.7	267.0	268.3	265.0	261.7	246.8	210.0	187.7
80°	230.3	229.3	226.2	223.1	223.6	223.9	219.1	214.3	197.0	164.2	145.6
82.5°	184.4	193.3	191.3	189.3	183.9	178.3	170.8	163.3	144.7	121.2	107.1
85°	123.5	146.6	152.5	158.5	148.4	138.2	124.4	110.4	91.6	77.0	68.2
87.5°	68.4	85.3	93.3	101.3	96.1	91.0	76.8	62.6	39.7	31.8	27.4
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: P1208372

CATALOG NUMBER: UPW-SA1-060-750-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	826.1	826.1	826.1	826.1	826.1	826.1	826.1
2.5°	841.1	846.4	851.8	854.8	857.8	858.7	860.9
5°	853.5	865.9	878.4	891.6	904.9	914.2	920.9
7.5°	863.8	883.8	903.9	925.0	946.2	971.9	1002.4
10°	878.6	906.5	934.5	970.4	1006.4	1036.3	1061.6
12.5°	894.8	930.0	965.3	1008.8	1052.2	1094.5	1133.3
15°	899.7	944.4	989.2	1046.5	1103.7	1157.0	1204.2
17.5°	892.9	951.2	1009.4	1077.3	1145.1	1213.3	1282.5
20°	883.0	956.4	1029.7	1112.1	1194.3	1268.2	1338.0
22.5°	862.1	949.1	1036.0	1131.3	1226.5	1306.1	1378.9
25°	834.6	933.6	1032.6	1143.4	1254.3	1347.2	1434.5
27.5°	822.4	937.4	1052.4	1177.2	1301.9	1391.6	1470.1
30°	813.3	939.6	1066.0	1205.9	1345.7	1441.2	1522.0
32.5°	791.9	928.9	1065.9	1224.5	1383.2	1487.2	1574.3
35°	765.7	913.5	1061.3	1241.6	1421.9	1531.7	1617.3
37.5°	731.6	890.8	1049.8	1254.9	1460.0	1590.4	1692.7
40°	695.5	868.7	1041.9	1285.1	1528.3	1685.1	1797.6
42.5°	664.7	850.4	1036.0	1313.8	1591.5	1788.9	1944.0
45°	644.5	835.7	1026.9	1353.1	1679.3	1956.6	2194.9
47.5°	629.9	820.5	1011.1	1415.8	1820.6	2237.5	2614.8
50°	623.2	814.9	1006.7	1526.6	2046.8	2639.5	3170.1
52.5°	608.2	800.9	993.5	1611.6	2229.7	2990.1	3680.8
55°	580.8	771.9	963.1	1633.8	2304.5	3225.6	4123.8
57.5°	564.4	728.7	892.9	1529.8	2166.7	3259.9	4443.2
60°	552.7	647.7	742.7	1303.4	1863.9	3057.2	4388.5
62.5°	510.6	555.6	600.7	1083.1	1565.5	2721.7	4031.8
65°	459.5	468.4	477.3	881.2	1285.1	2349.3	3588.4
67.5°	377.8	369.7	361.7	693.3	1024.8	1957.5	3078.5
70°	310.9	299.9	289.0	538.6	788.1	1604.1	2639.9
72.5°	254.5	245.0	235.5	406.3	577.2	1237.7	2116.6
75°	207.9	201.0	193.9	300.4	407.0	890.8	1557.3
77.5°	165.5	162.1	158.7	221.3	283.9	613.5	1079.8
80°	127.1	124.8	122.4	152.8	183.2	353.1	595.4
82.5°	93.1	91.7	90.4	102.9	115.3	188.3	294.7
85°	59.3	58.7	58.0	61.3	64.7	85.1	115.9
87.5°	22.9	23.7	24.5	25.8	26.9	32.4	41.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)