

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: P1208140

Luminaire Tested: UPW-SA1-040-750-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-750-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6240 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

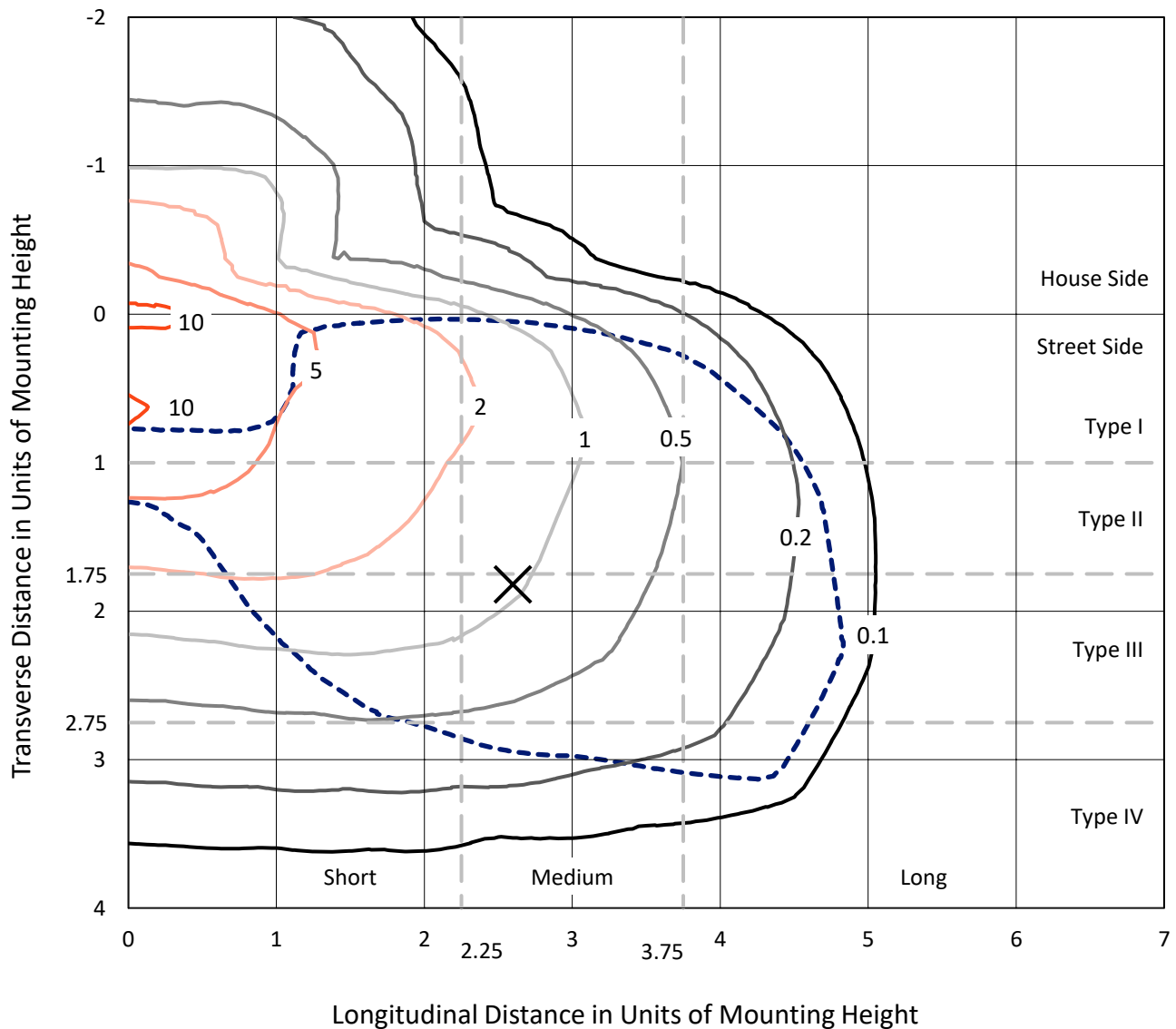


REPORT NUMBER: P1208140

CATALOG NUMBER: UPW-SA1-040-750-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

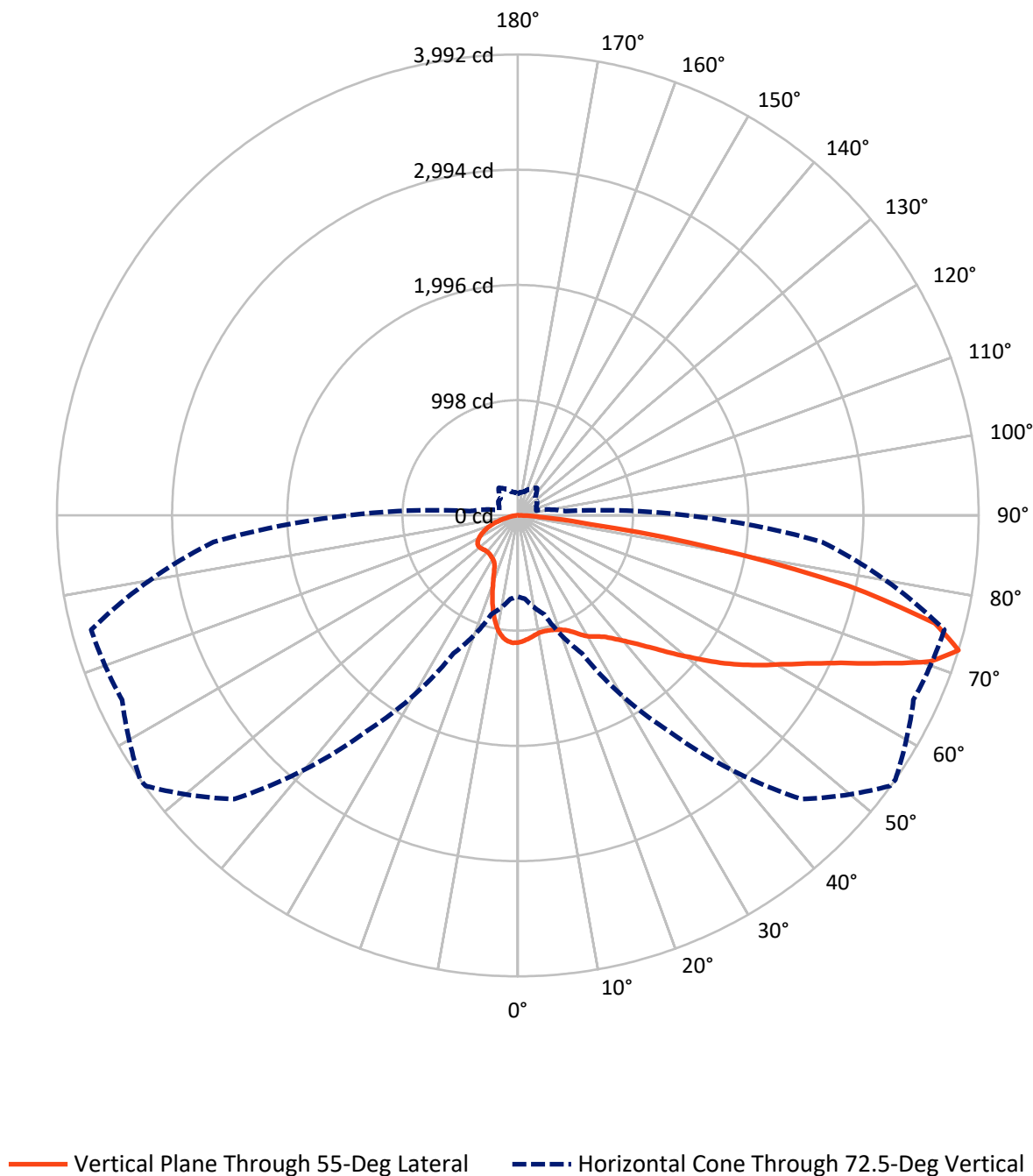


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P1208140

CATALOG NUMBER: UPW-SA1-040-750-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P1208140

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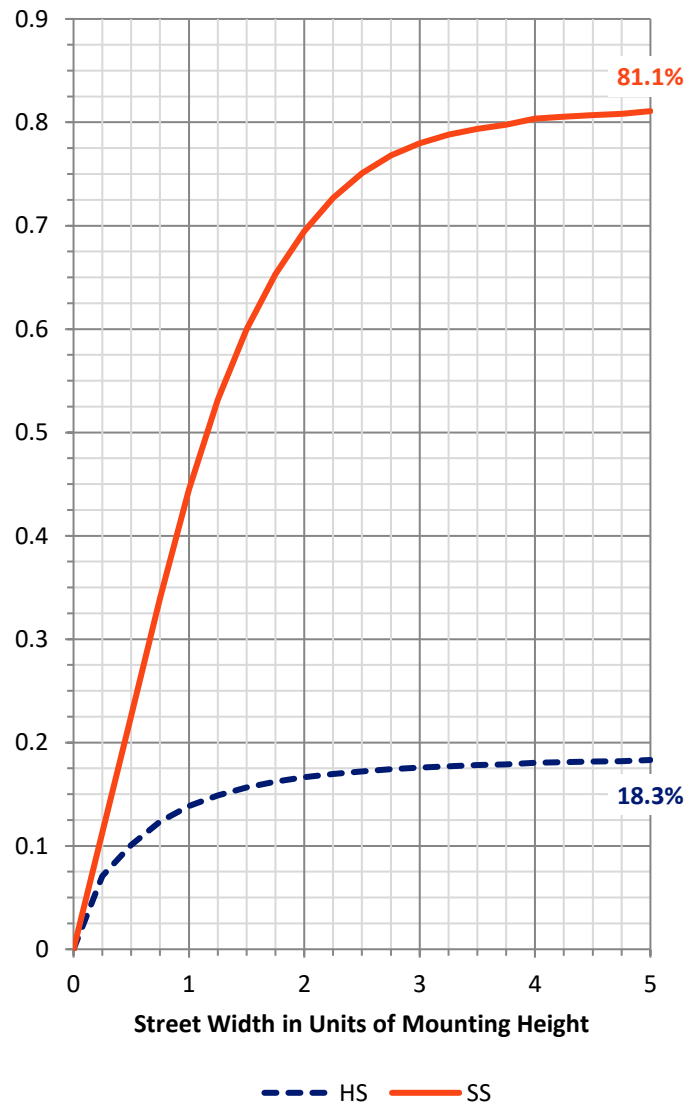
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1159.8	0.0	1159.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5080.2	0.0	5080.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	6240.0	0.0	6240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	1.6
10°-20°	265.1	4.2
20°-30°	437.2	7.0
30°-40°	646.7	10.4
40°-50°	902.6	14.5
50°-60°	1175.2	18.8
60°-70°	1444.3	23.1
70°-80°	1132.2	18.1
80°-90°	137.0	2.2
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°	6240.0	100.0
0°-180°	6240.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208140

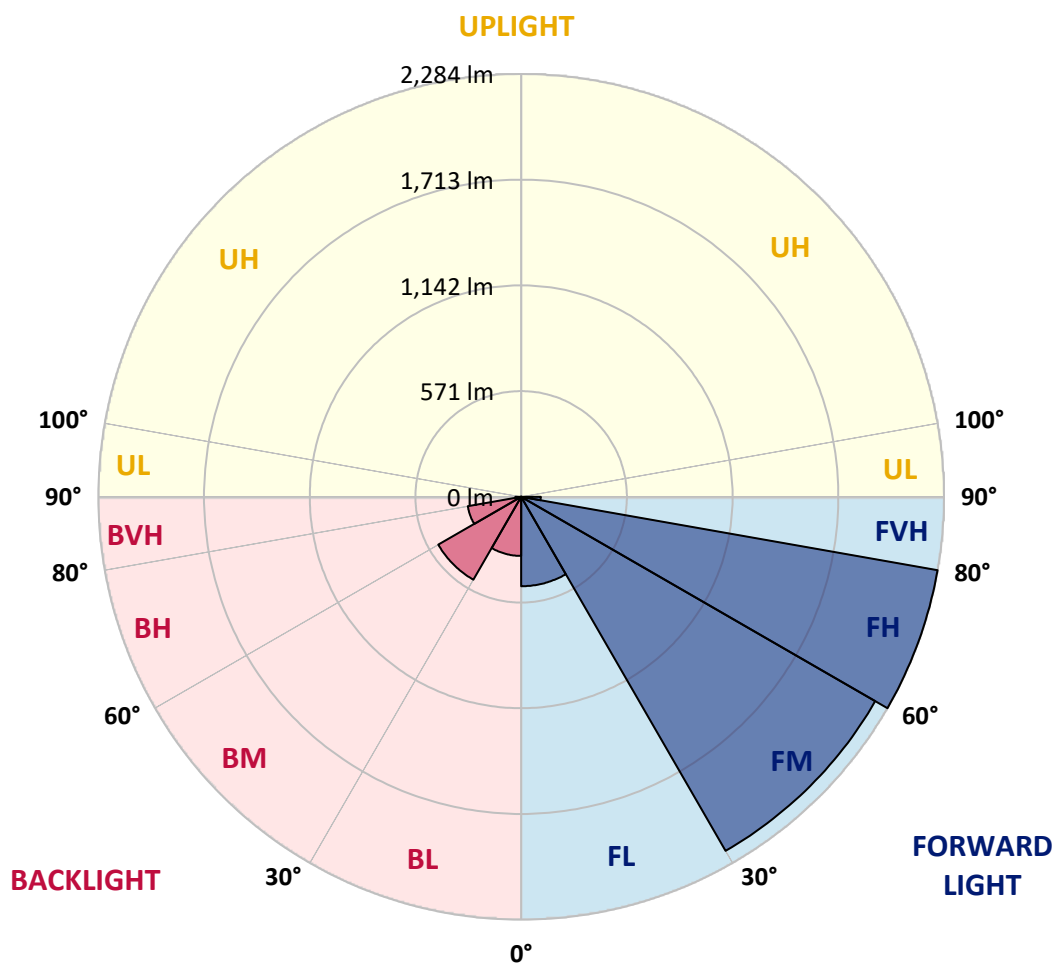
CATALOG NUMBER: UPW-SA1-040-750-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	482.8	7.7			
FM	(30°-60°)	2207.8	35.4			
FH	(60°-80°)	2283.6	36.6			G2/5000
FVH	(80°-90°)	105.9	1.7			G2/225
BL	(0°-30°)	319.1	5.1	B1/500		
BM	(30°-60°)	516.7	8.3	B1/1000		
BH	(60°-80°)	292.9	4.7	B1/500		G1/500
BVH	(80°-90°)	31.1	0.5			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 IV Medium



REPORT NUMBER: P1208140

CATALOG NUMBER: UPW-SA1-040-750-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6
2.5°	1064.8	1062.2	1065.4	1069.8	1074.7	1081.2	1085.0	1086.7	1093.2	1095.8	1101.2
5°	1015.5	1014.2	1019.5	1027.0	1037.8	1053.0	1065.2	1067.5	1084.8	1097.0	1108.2
7.5°	979.6	979.6	985.7	994.8	1006.8	1027.3	1044.5	1047.7	1077.0	1103.3	1124.0
10°	951.2	952.2	959.4	970.1	984.3	1006.0	1028.9	1032.5	1074.9	1118.1	1151.0
12.5°	932.2	934.7	941.3	951.0	968.5	994.8	1023.9	1028.7	1079.3	1139.2	1183.4
15°	944.2	948.4	949.1	953.1	962.8	991.4	1026.8	1031.9	1088.8	1160.7	1220.3
17.5°	996.9	998.4	991.8	983.4	978.8	997.1	1035.7	1041.0	1100.2	1182.0	1255.7
20°	1077.0	1076.2	1062.0	1039.3	1015.7	1018.6	1050.2	1055.7	1115.6	1200.7	1291.1
22.5°	1178.2	1175.2	1153.5	1111.6	1071.3	1054.4	1075.7	1080.4	1138.7	1227.5	1329.1
25°	1300.8	1294.3	1265.6	1209.4	1150.1	1106.7	1114.1	1118.5	1172.5	1257.4	1363.8
27.5°	1430.2	1423.7	1387.2	1319.2	1240.3	1172.7	1167.0	1170.8	1210.8	1279.5	1389.6
30°	1565.5	1558.6	1525.3	1449.0	1336.0	1241.0	1216.3	1217.8	1237.8	1291.6	1410.6
32.5°	1701.5	1695.0	1657.6	1569.1	1439.9	1314.3	1251.9	1250.0	1254.0	1304.0	1434.4
35°	1839.3	1841.9	1798.2	1700.2	1555.0	1395.9	1294.1	1290.1	1281.2	1329.5	1468.2
37.5°	1986.9	1985.2	1928.7	1826.3	1675.4	1484.4	1354.6	1353.9	1323.4	1377.8	1521.1
40°	2085.5	2086.5	2052.2	1955.2	1797.0	1582.4	1432.1	1430.7	1390.6	1450.0	1590.4
42.5°	2124.1	2131.0	2139.9	2078.3	1924.3	1696.0	1524.7	1522.5	1484.4	1553.7	1672.0
45°	2126.8	2140.7	2195.5	2187.7	2053.2	1826.0	1642.9	1637.0	1609.6	1691.6	1769.4
47.5°	2103.2	2117.5	2208.6	2252.8	2168.5	1963.3	1781.2	1776.5	1752.9	1864.0	1874.7
50°	2051.6	2065.3	2181.6	2284.7	2263.4	2095.2	1940.5	1928.3	1915.6	2063.2	1995.3
52.5°	1954.8	1981.2	2145.6	2292.3	2320.1	2212.4	2108.0	2100.0	2107.0	2273.3	2116.1
55°	1725.7	1755.2	2052.6	2285.9	2362.0	2310.8	2275.6	2275.2	2311.2	2493.7	2245.7
57.5°	1597.4	1618.2	1863.4	2275.2	2411.8	2408.6	2441.5	2445.5	2515.7	2733.8	2381.4
60°	1524.9	1546.8	1767.5	2235.3	2488.9	2535.1	2610.7	2618.7	2723.5	2999.6	2544.7
62.5°	1458.9	1482.9	1708.0	2154.2	2579.7	2715.9	2813.5	2820.6	2943.5	3272.7	2702.6
65°	1346.1	1373.3	1621.0	2100.9	2662.4	2951.7	3071.2	3076.1	3196.2	3558.9	2823.4
67.5°	1186.8	1211.7	1456.8	1983.1	2723.5	3238.2	3413.9	3416.7	3446.8	3761.1	2885.1
70°	1000.7	1010.2	1222.8	1739.8	2651.2	3506.0	3789.5	3790.1	3675.3	3890.5	2875.0
72.5°	703.1	725.4	887.7	1317.1	2278.3	3473.4	3984.5	3991.6	3781.5	3825.1	2645.3
75°	431.2	454.8	556.8	798.2	1445.4	2731.7	3681.4	3731.1	3582.3	3410.6	2160.9
77.5°	288.3	297.2	363.4	465.4	654.8	1571.7	2830.3	2923.9	2976.0	2487.2	1382.0
80°	160.8	177.7	240.9	289.2	291.3	624.5	1697.1	1719.0	1655.8	990.4	426.4
82.5°	85.1	94.4	160.8	169.9	158.9	209.1	632.5	633.1	529.0	265.6	126.7
85°	66.0	73.8	110.2	103.7	81.1	92.7	208.7	220.0	180.0	108.8	41.3
87.5°	32.9	40.9	74.8	65.8	31.8	26.6	74.6	79.7	71.0	42.6	15.0
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: P1208140

CATALOG NUMBER: UPW-SA1-040-750-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6	1100.6
2.5°	1103.3	1105.2	1107.6	1105.0	1104.2	1100.8	1095.1	1093.9	1090.9	1091.1	1092.8
5°	1113.0	1116.2	1114.9	1105.2	1093.6	1077.4	1060.6	1046.2	1036.7	1036.1	1035.5
7.5°	1131.6	1133.7	1123.8	1096.2	1063.7	1026.2	990.8	959.8	941.1	936.4	935.4
10°	1160.7	1160.2	1133.1	1077.4	1012.7	945.7	888.8	845.8	820.7	813.3	811.4
12.5°	1193.1	1188.3	1136.2	1043.3	940.6	847.7	775.6	727.8	701.6	693.2	691.1
15°	1226.6	1214.6	1128.4	992.3	852.1	742.1	666.4	622.2	608.0	603.4	602.6
17.5°	1257.8	1234.6	1106.1	923.1	751.2	636.9	577.9	560.2	563.6	569.7	569.9
20°	1288.4	1248.1	1070.3	835.9	644.7	550.3	530.3	543.3	559.4	571.8	573.5
22.5°	1318.5	1257.6	1024.1	735.1	549.5	501.6	515.7	539.6	557.9	571.4	573.7
25°	1343.8	1259.9	960.4	627.7	483.3	483.3	508.8	531.3	549.5	562.7	565.1
27.5°	1353.1	1244.3	870.7	528.2	450.0	474.8	499.1	517.8	533.2	547.4	549.9
30°	1356.7	1215.5	767.0	448.3	436.3	465.8	486.0	502.0	516.6	529.9	532.2
32.5°	1357.3	1180.7	656.9	403.0	426.8	456.3	469.8	483.9	499.5	504.8	505.6
35°	1361.3	1139.6	541.0	379.8	417.9	447.4	458.2	468.3	443.0	444.9	446.6
37.5°	1372.9	1098.9	444.1	366.7	412.3	442.8	455.7	419.0	399.2	394.5	393.9
40°	1394.6	1055.5	372.2	356.2	410.1	445.1	439.4	391.2	357.0	331.5	327.7
42.5°	1424.8	1008.7	326.3	349.2	411.6	456.3	416.9	364.4	307.7	291.3	289.2
45°	1458.7	959.6	301.4	344.4	416.7	464.9	412.3	328.8	284.7	272.3	271.3
47.5°	1491.6	899.5	288.5	342.3	423.6	458.0	392.7	317.8	273.8	267.2	267.9
50°	1529.3	845.4	280.7	340.0	429.7	453.6	370.5	312.1	269.6	277.6	286.0
52.5°	1561.1	789.3	273.8	335.3	432.1	445.8	364.8	313.2	269.6	285.0	293.0
55°	1598.8	746.9	265.8	325.6	427.6	423.6	360.8	319.5	272.7	263.0	263.9
57.5°	1647.5	733.0	256.9	310.5	412.9	391.4	358.9	325.6	270.8	264.7	266.8
60°	1715.0	747.8	253.3	290.6	389.9	366.1	359.1	322.5	257.6	247.0	247.2
62.5°	1779.3	764.2	253.1	278.2	361.7	343.5	354.3	312.1	250.8	244.7	247.0
65°	1800.3	747.6	243.0	264.3	329.8	316.6	345.4	301.2	245.7	236.5	236.1
67.5°	1772.1	695.9	222.6	241.7	293.4	285.2	333.8	288.1	237.7	230.2	228.9
70°	1688.2	580.7	197.3	212.0	251.9	249.8	315.5	272.9	227.0	220.5	215.0
72.5°	1462.5	413.7	166.3	176.4	205.1	211.8	290.2	253.1	211.8	197.7	189.3
75°	1201.1	306.2	136.6	138.7	155.8	174.1	255.4	229.9	193.9	169.9	163.3
77.5°	735.6	187.4	108.8	109.6	111.7	138.9	210.3	204.0	171.1	141.6	137.0
80°	238.2	102.2	78.6	82.6	76.3	101.8	162.7	173.7	146.9	118.4	113.4
82.5°	90.6	59.6	53.1	55.9	52.9	68.3	118.7	139.1	120.3	97.4	79.2
85°	43.8	33.7	31.4	35.2	32.7	35.0	75.9	102.4	91.3	63.4	59.0
87.5°	15.6	15.0	12.0	16.2	13.9	12.4	23.2	51.6	60.3	43.6	39.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)