

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: P1208760

Luminaire Tested: UPW-SA2-070-727-U-T3R-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208760  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-727-U-T3R-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTI  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6255 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

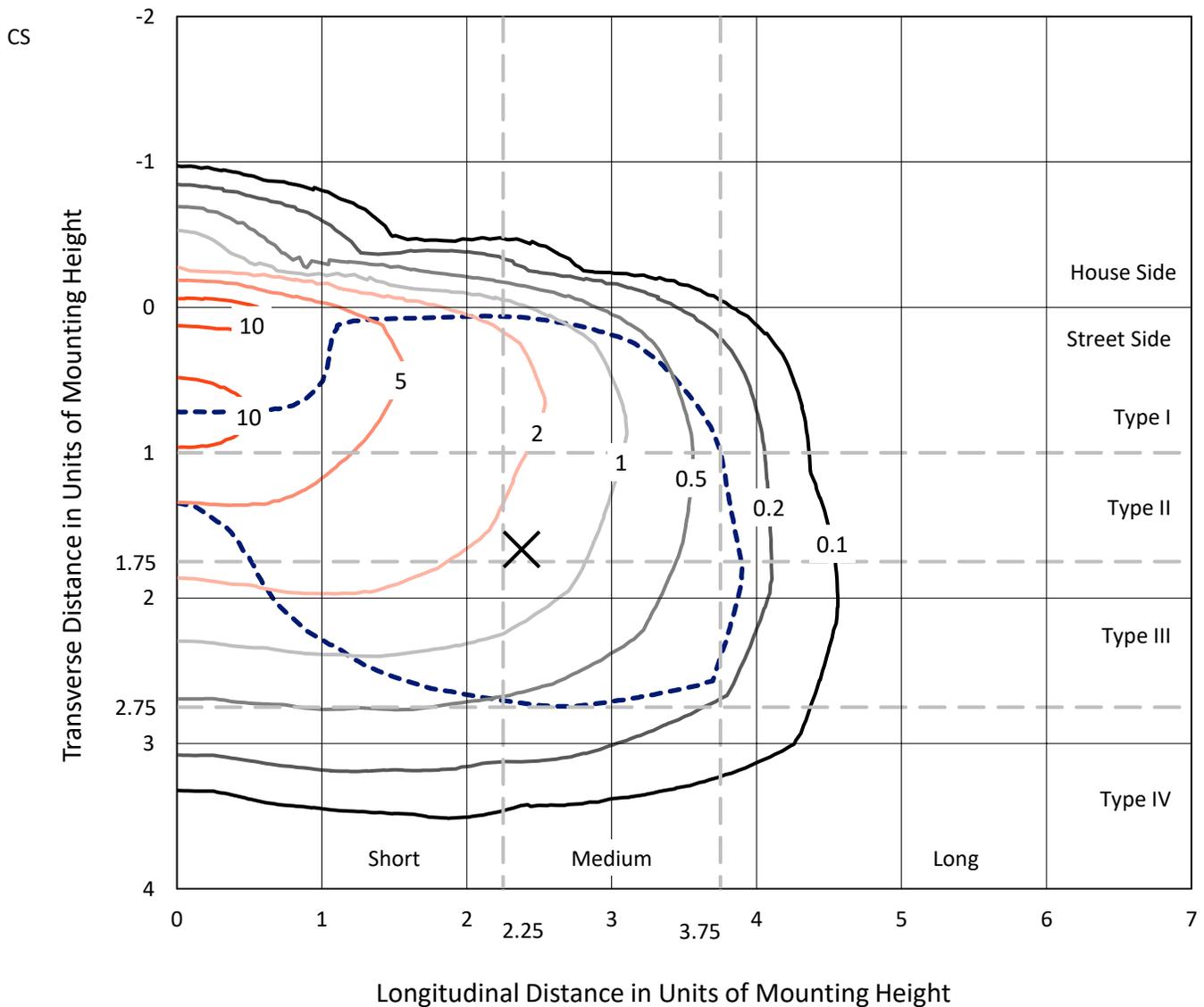
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1208760  
 CATALOG NUMBER: UPW-SA2-070-727-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

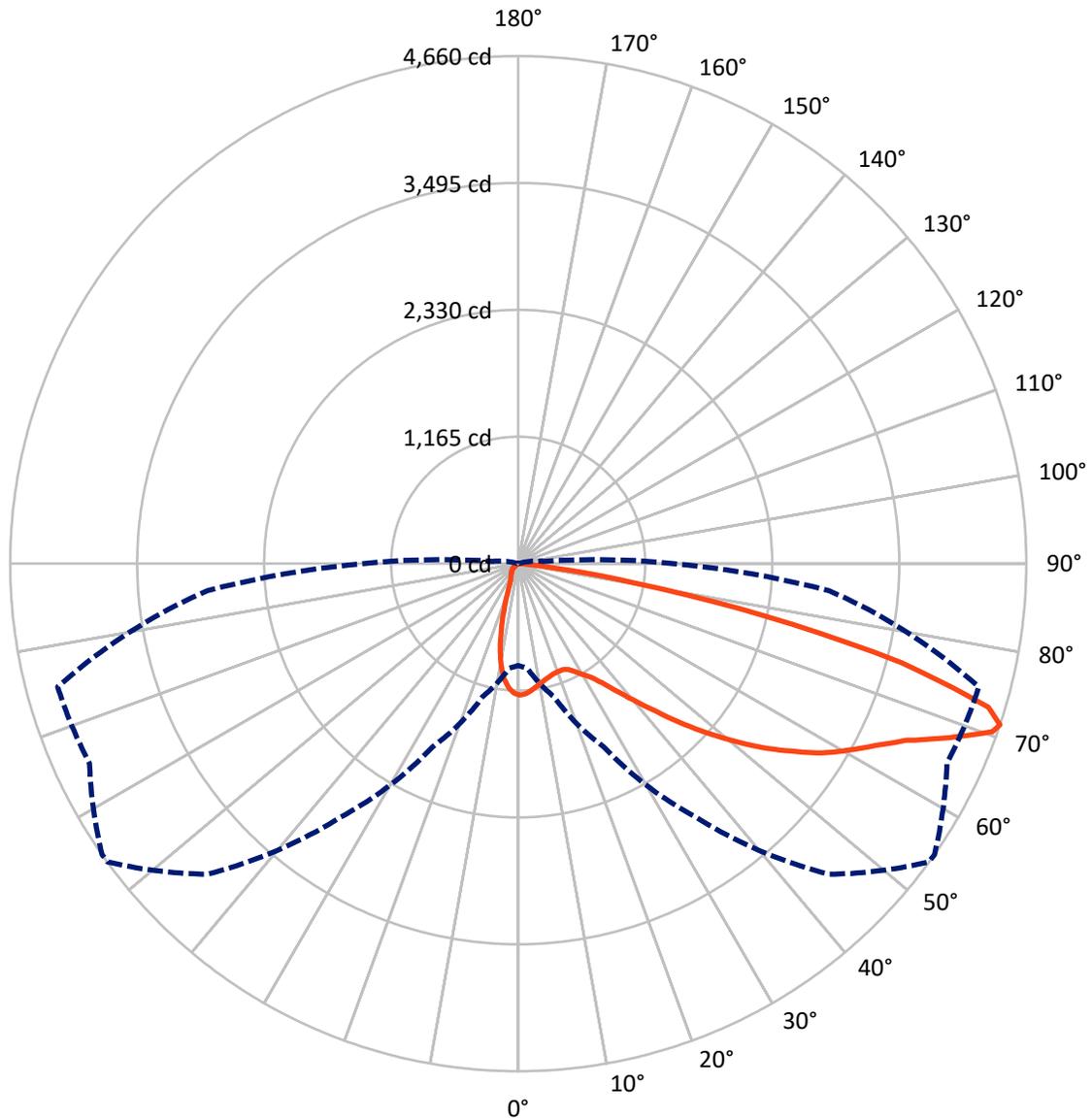
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P1208760  
CATALOG NUMBER: UPW-SA2-070-727-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P1208760

CATALOG NUMBER: UPW-SA2-070-727-U-T3R-HSS

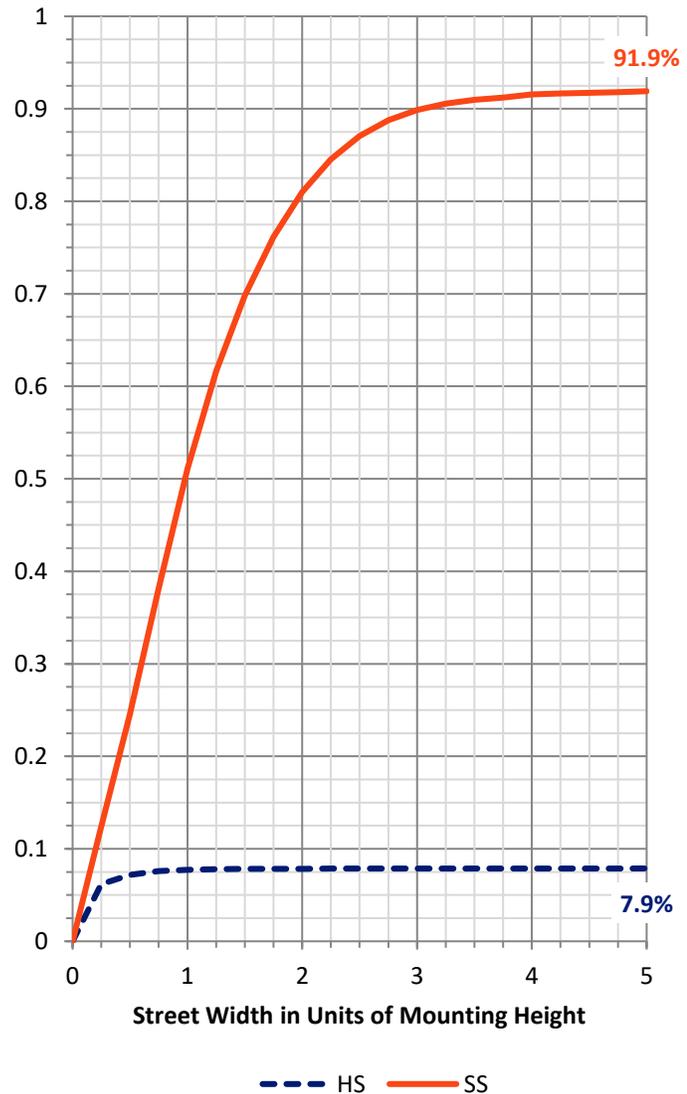
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	495.2	0.0	495.2
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	5759.8	0.0	5759.8
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	6255.0	0.0	6255.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.9	1.6
10°-20°	232.2	3.7
20°-30°	373.1	6.0
30°-40°	634.0	10.1
40°-50°	984.0	15.7
50°-60°	1323.0	21.2
60°-70°	1618.5	25.9
70°-80°	946.3	15.1
80°-90°	40.9	0.7
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°	6255.0	100.0
0°-180°	6255.0	100.0



REPORT NUMBER: P1208760

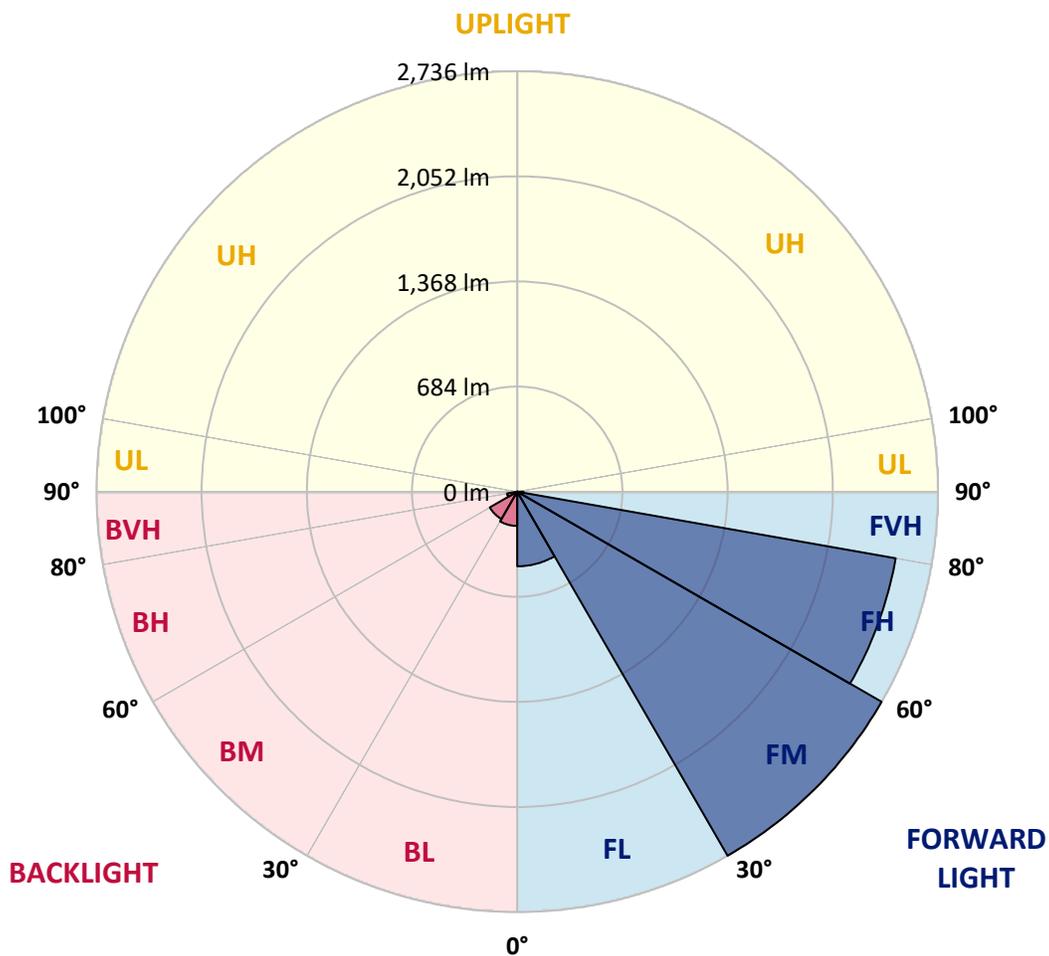
CATALOG NUMBER: UPW-SA2-070-727-U-T3R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	485.3	7.8			
FM	(30°-60°)	2735.8	43.7			
FH	(60°-80°)	2498.5	39.9			G2/5000
FVH	(80°-90°)	40.3	0.6			G1/100
BL	(0°-30°)	222.9	3.6	B1/500		
BM	(30°-60°)	205.3	3.3	B0/220		
BH	(60°-80°)	66.3	1.1	B0/110		G0/110
BVH	(80°-90°)	0.6	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 Medium





REPORT NUMBER: P1208760

CATALOG NUMBER: UPW-SA2-070-727-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3
2.5°	1170.9	1172.3	1177.4	1179.6	1185.0	1193.9	1198.4	1198.7	1206.0	1208.8	1211.1
5°	1088.1	1096.5	1104.9	1113.9	1130.2	1151.8	1173.2	1175.1	1198.7	1216.1	1225.4
7.5°	1016.7	1024.3	1034.4	1048.7	1071.8	1105.8	1141.4	1145.6	1190.3	1229.9	1250.7
10°	943.4	949.6	964.2	985.3	1017.0	1062.5	1110.5	1117.5	1182.7	1248.4	1284.9
12.5°	865.1	868.7	886.4	916.7	963.4	1021.2	1084.4	1093.7	1177.9	1269.8	1325.4
15°	805.5	807.2	824.0	855.5	908.9	984.1	1064.2	1075.4	1179.1	1295.3	1369.5
17.5°	790.3	791.2	800.2	821.8	869.0	951.0	1048.2	1061.9	1182.4	1320.3	1413.9
20°	851.9	846.0	836.7	833.3	853.5	931.1	1038.6	1054.1	1186.9	1342.5	1453.7
22.5°	1020.6	1003.2	964.8	913.4	882.2	932.5	1041.2	1056.6	1201.2	1369.8	1499.8
25°	1271.2	1247.0	1181.6	1080.5	983.3	972.9	1062.2	1077.9	1229.0	1402.3	1543.9
27.5°	1556.3	1532.4	1452.3	1308.0	1142.3	1052.9	1110.5	1125.1	1270.3	1431.3	1577.6
30°	1829.2	1822.5	1728.1	1564.1	1342.2	1182.7	1172.9	1185.2	1300.9	1448.7	1604.3
32.5°	2060.7	2050.0	1974.2	1814.6	1571.1	1338.6	1246.2	1249.8	1324.0	1471.2	1639.1
35°	2275.3	2262.1	2195.5	2044.7	1805.9	1529.0	1359.1	1353.8	1374.3	1516.4	1689.7
37.5°	2462.6	2474.7	2400.8	2257.3	2016.6	1727.0	1511.3	1495.3	1452.9	1590.0	1763.0
40°	2619.3	2619.3	2580.8	2461.2	2244.1	1931.8	1683.5	1662.4	1571.1	1703.4	1855.9
42.5°	2675.8	2687.8	2702.2	2634.5	2447.7	2144.7	1875.3	1853.4	1737.7	1864.4	1973.3
45°	2679.1	2698.2	2771.5	2771.3	2631.7	2356.1	2091.6	2081.2	1951.1	2071.1	2118.8
47.5°	2631.7	2655.5	2776.3	2844.8	2777.4	2553.0	2328.1	2315.1	2202.0	2324.4	2271.0
50°	2558.4	2584.8	2725.2	2873.8	2876.6	2724.4	2577.2	2557.8	2478.0	2614.0	2428.3
52.5°	2427.2	2478.3	2679.4	2880.5	2941.7	2872.4	2814.2	2805.8	2787.0	2892.9	2553.6
55°	2146.6	2203.4	2564.5	2882.8	3002.1	3003.5	3036.4	3038.6	3076.6	3153.5	2646.8
57.5°	2014.1	2046.1	2364.0	2893.4	3091.7	3152.4	3262.8	3280.2	3338.9	3400.9	2753.3
60°	1930.6	1968.6	2265.1	2878.8	3232.4	3347.6	3472.6	3478.5	3541.4	3656.3	2897.4
62.5°	1864.1	1901.4	2202.8	2822.7	3390.6	3582.4	3677.6	3678.2	3725.3	3960.4	3061.1
65°	1699.8	1731.2	2076.7	2759.5	3495.0	3814.7	3915.8	3912.1	3950.6	4281.2	3251.3
67.5°	1462.2	1486.3	1819.1	2519.9	3455.7	4025.9	4275.3	4263.2	4216.6	4558.4	3326.0
70°	1130.5	1139.2	1433.8	2100.0	3087.2	4107.0	4622.7	4616.5	4379.8	4508.7	3052.1
71°	934.4	963.1	1263.6	1853.4	2840.4	4032.0	4656.4	4660.1	4338.7	4373.3	2863.7
72.5°	542.6	567.1	915.9	1423.4	2411.5	3719.2	4481.7	4508.1	4147.2	3977.8	2446.0
75°	116.3	124.4	339.6	689.0	1326.5	2606.7	3537.4	3631.5	3380.2	2706.1	1474.2
77.5°	80.9	87.3	145.5	312.6	438.4	1288.0	2197.5	2303.6	2019.4	1017.0	471.8
80°	64.0	71.3	113.5	154.5	118.5	415.4	1029.4	1094.2	673.5	226.9	79.5
82.5°	35.7	42.4	88.5	83.4	45.5	78.9	288.2	325.8	134.8	45.8	18.8
85°	10.4	12.6	57.0	60.7	19.4	15.2	49.2	60.9	25.6	12.1	8.4
87.5°	0.0	0.0	27.5	23.3	5.6	2.2	4.5	5.1	5.1	5.1	5.6
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: P1208760

CATALOG NUMBER: UPW-SA2-070-727-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3	1206.3
2.5°	1211.1	1213.0	1206.0	1196.7	1186.9	1174.8	1162.2	1152.4	1152.1	1147.3	1142.5
5°	1226.0	1224.8	1205.5	1176.0	1141.1	1104.9	1070.4	1031.3	1018.4	1002.4	997.1
7.5°	1253.5	1245.6	1204.6	1140.0	1063.6	987.8	909.4	830.5	796.8	766.5	761.1
10°	1288.0	1273.1	1199.3	1086.1	945.9	806.1	687.8	580.5	533.4	497.1	495.4
12.5°	1324.0	1301.2	1184.4	1004.6	791.7	595.1	458.9	353.3	314.0	288.7	291.0
15°	1361.6	1327.6	1152.4	894.8	616.2	403.9	282.0	219.9	204.2	197.7	199.4
17.5°	1400.1	1345.9	1107.7	762.5	442.9	260.6	195.2	177.8	177.8	179.2	179.8
20°	1433.5	1355.7	1042.0	614.2	300.2	189.9	170.8	168.2	169.6	171.9	172.2
22.5°	1466.7	1356.3	956.3	464.0	210.1	166.3	162.6	161.5	162.3	164.9	165.1
25°	1493.6	1349.5	849.0	330.0	167.7	156.7	155.0	154.5	155.0	158.1	158.1
27.5°	1504.6	1325.1	718.2	232.0	150.3	146.0	145.5	146.0	146.9	149.1	149.4
30°	1505.7	1282.4	575.5	168.0	136.2	131.7	132.8	134.8	134.0	133.4	134.0
32.5°	1508.5	1233.0	436.5	138.2	124.4	117.4	116.0	116.0	112.6	110.7	109.5
35°	1517.8	1174.8	316.5	124.1	112.3	104.2	98.9	92.7	86.2	82.9	82.0
37.5°	1532.4	1113.9	226.7	114.9	101.7	92.4	82.3	71.3	62.1	59.5	59.5
40°	1559.1	1051.0	167.7	107.6	93.2	81.7	66.6	52.2	43.8	42.4	42.4
42.5°	1601.2	984.7	133.7	101.1	85.9	70.8	50.8	37.9	31.7	30.9	30.6
45°	1645.0	911.7	116.8	94.9	78.1	58.1	37.6	28.1	24.4	23.6	23.6
47.5°	1688.8	833.9	108.7	89.0	70.5	45.2	28.1	22.2	20.5	20.5	20.8
50°	1725.9	752.7	102.8	82.6	60.7	34.3	22.2	18.8	18.3	19.4	19.7
52.5°	1735.2	672.9	95.5	74.4	48.6	26.1	18.3	16.6	16.6	16.6	16.6
55°	1729.5	611.2	85.9	64.3	36.0	20.8	15.7	14.6	14.3	14.3	14.3
57.5°	1748.6	574.6	68.8	50.0	25.8	16.9	13.8	12.9	12.4	12.1	12.1
60°	1787.1	550.8	49.2	36.0	19.4	14.0	11.8	11.0	10.1	9.5	9.5
62.5°	1838.2	530.0	36.5	26.7	14.9	11.2	9.8	9.0	7.9	7.3	7.3
65°	1877.6	492.9	27.8	19.9	11.2	9.0	7.6	7.3	5.6	5.1	4.8
67.5°	1817.5	411.5	22.5	14.6	8.4	7.0	5.9	5.6	3.4	2.8	2.8
70°	1558.8	286.5	18.0	10.7	6.2	5.6	4.8	3.7	2.5	2.2	2.2
71°	1413.6	239.3	16.3	9.0	5.3	5.3	4.5	3.1	2.2	2.0	2.0
72.5°	1174.3	169.9	13.8	7.0	4.8	5.6	4.8	2.8	2.2	2.0	1.7
75°	681.7	71.1	9.5	4.8	3.7	6.7	6.2	2.5	1.7	1.4	1.4
77.5°	205.0	26.1	5.3	3.1	2.8	5.9	7.0	2.2	0.8	0.3	0.3
80°	37.4	11.2	3.4	2.0	2.0	3.7	5.3	1.1	0.0	0.0	0.0
82.5°	13.2	5.6	2.0	1.1	0.8	1.7	2.5	0.0	0.0	0.0	0.0
85°	7.6	3.9	1.1	0.6	0.0	0.3	0.6	0.0	0.0	0.0	0.0
87.5°	5.1	1.1	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

(END OF REPORT)