

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: P1208297

Luminaire Tested: UPW-SA1-060-730-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-730-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

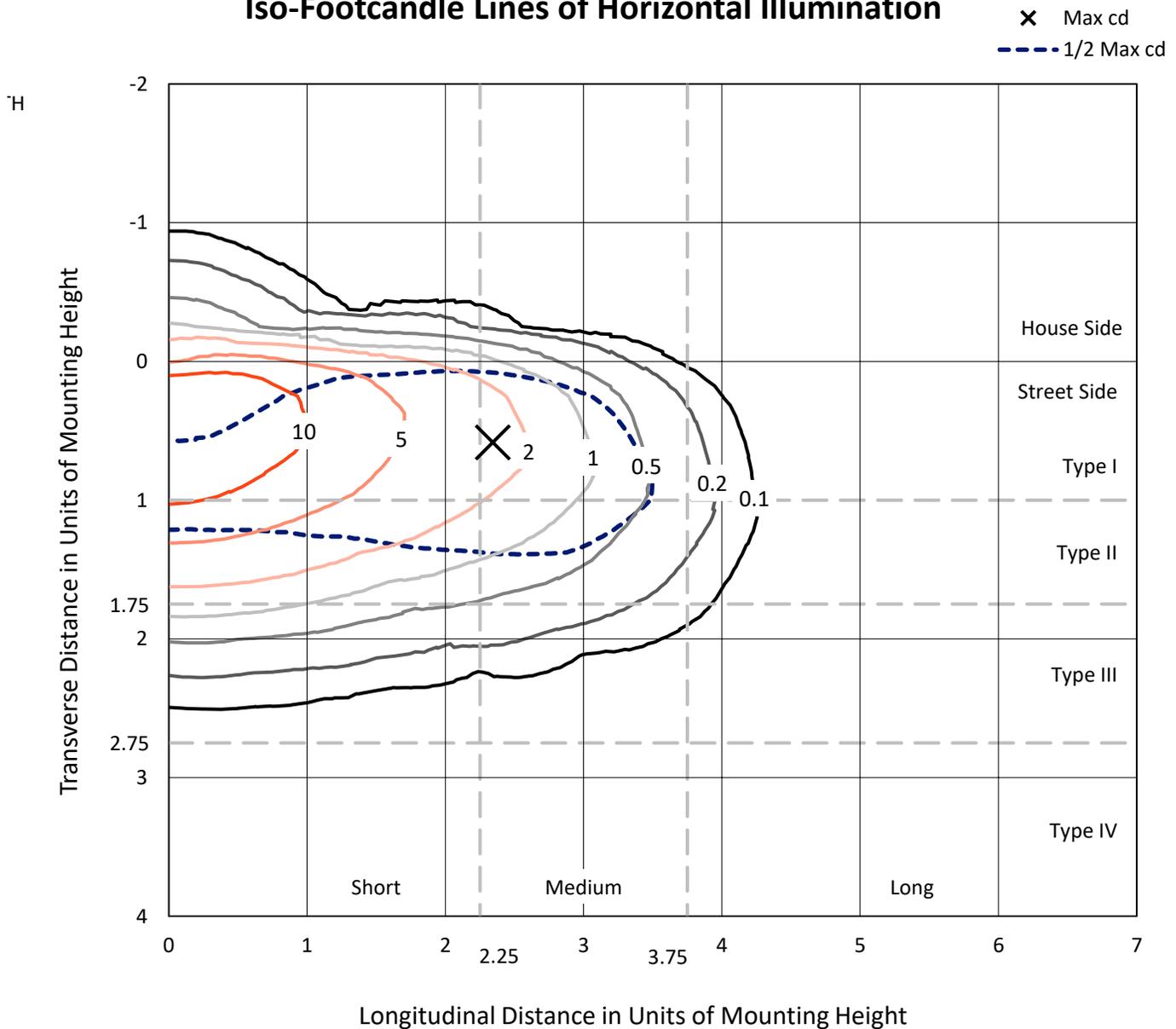
Lumens per Lamp: N/A
Luminaire Lumens: 5554 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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: P1208297
 CATALOG NUMBER: UPW-SA1-060-730-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

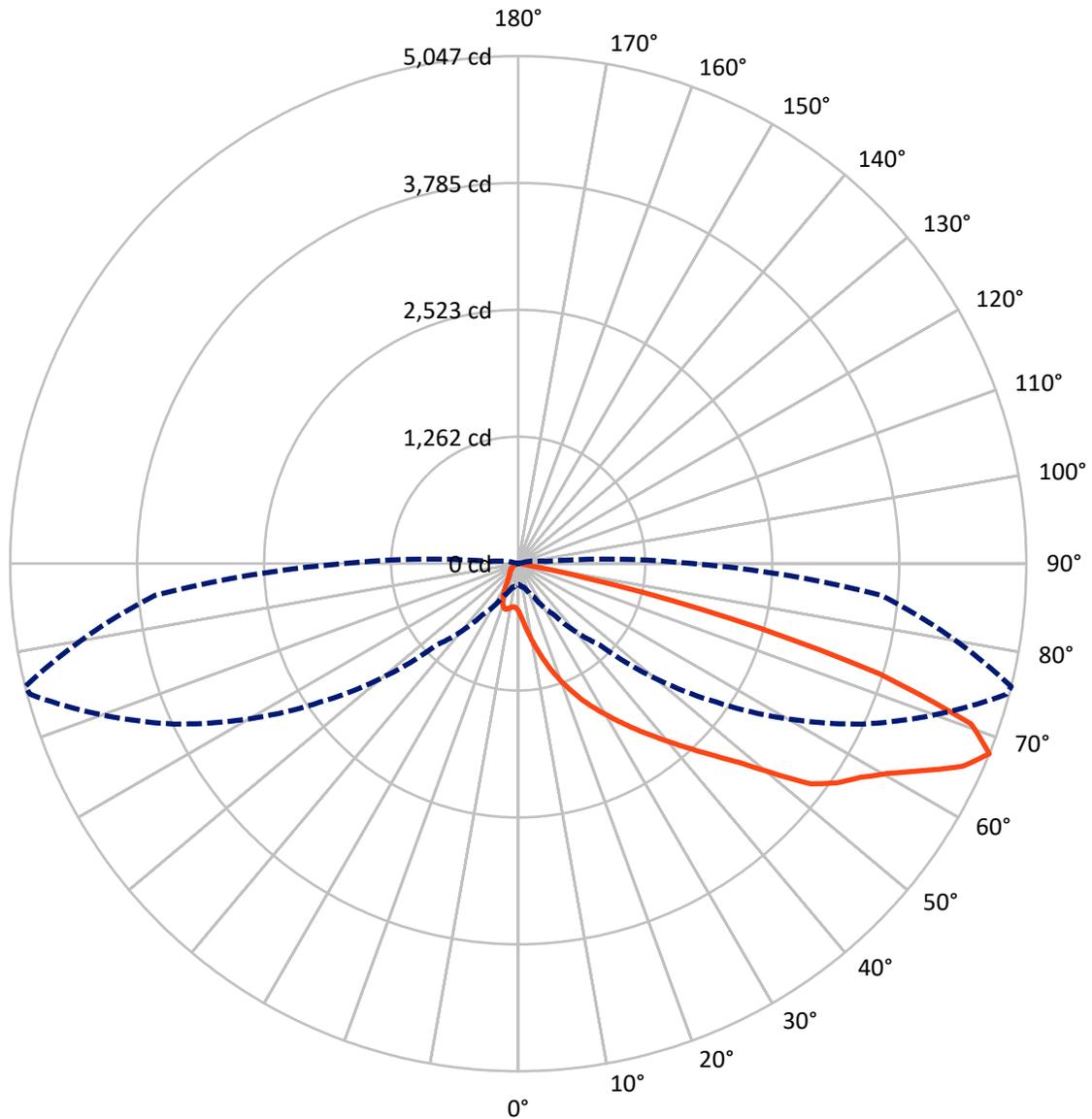


Based on 10 foot mounting height. Maximum calculated value = 16.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P1208297

CATALOG NUMBER: UPW-SA1-060-730-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P1208297

CATALOG NUMBER: UPW-SA1-060-730-U-T2R-HSS

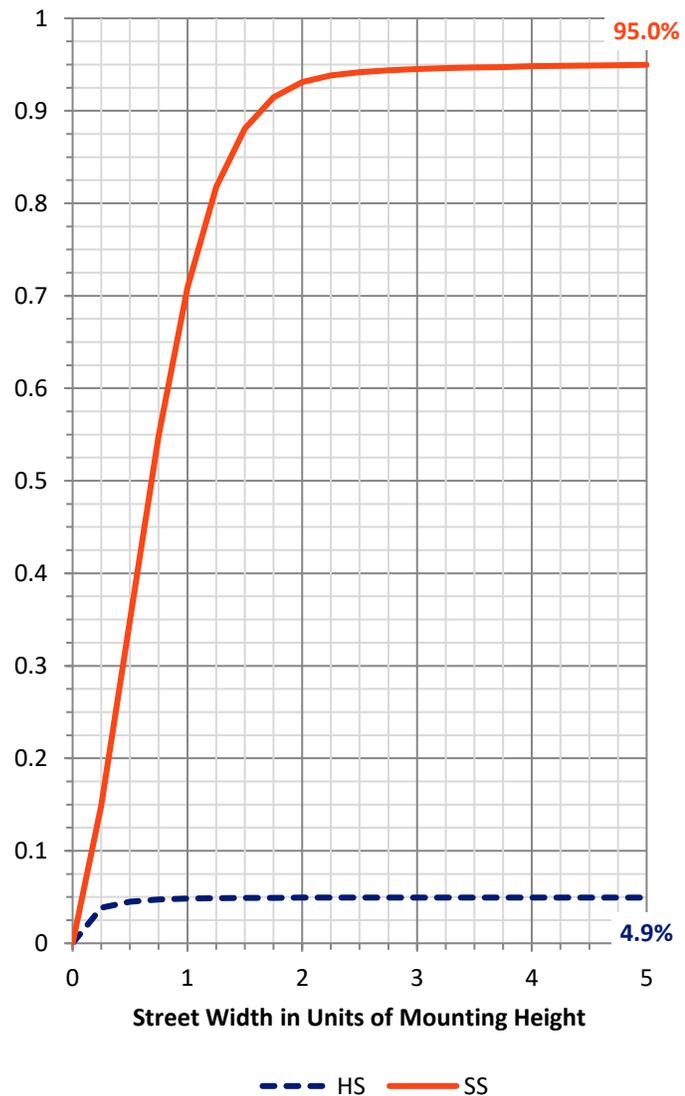
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	275.8	0.0	275.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5278.2	0.0	5278.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	5554.0	0.0	5554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	1.1
10°-20°	232.2	4.2
20°-30°	472.5	8.5
30°-40°	820.2	14.8
40°-50°	1158.8	20.9
50°-60°	1314.1	23.7
60°-70°	1089.9	19.6
70°-80°	394.8	7.1
80°-90°	12.8	0.2
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°	5554.0	100.0
0°-180°	5554.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208297

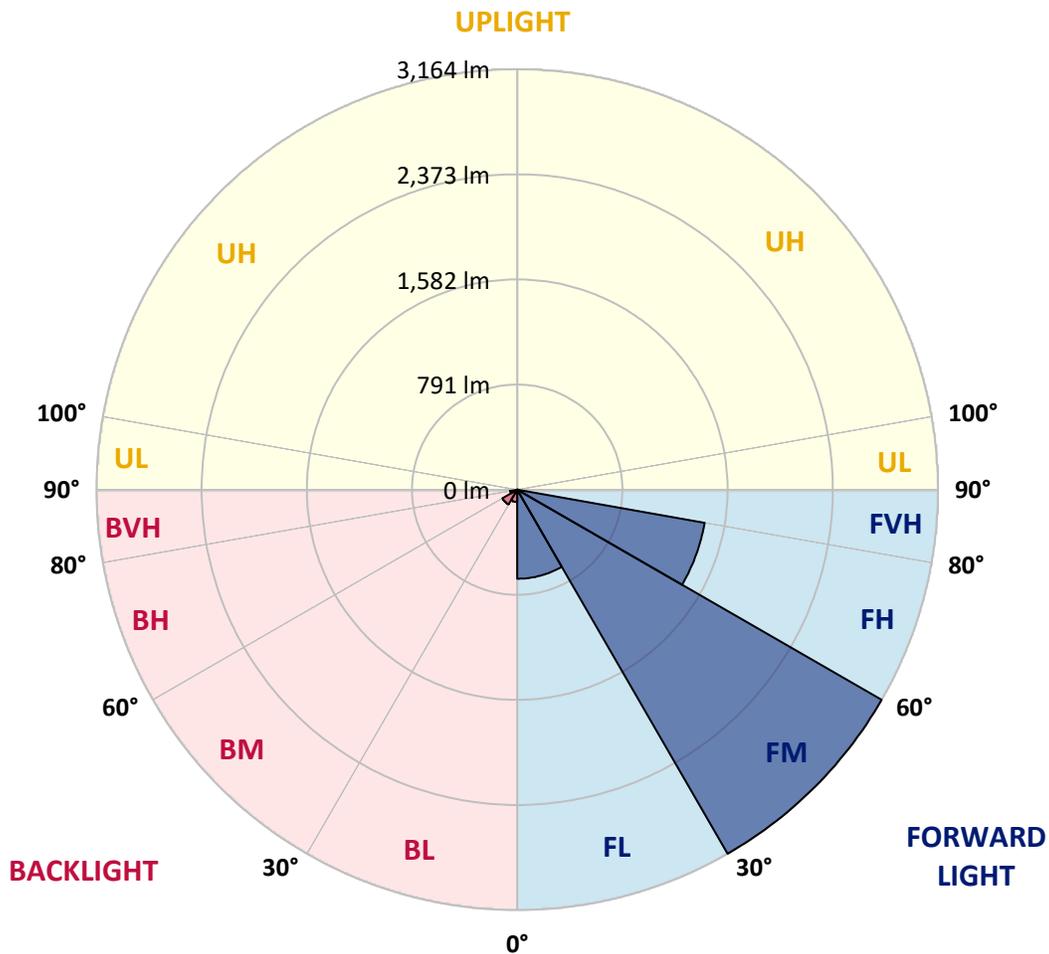
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	670.3	12.1			
FM	(30°-60°)	3164.0	57.0			
FH	(60°-80°)	1431.5	25.8			G1/1800
FVH	(80°-90°)	12.4	0.2			G1/100
BL	(0°-30°)	93.0	1.7	B0/110		
BM	(30°-60°)	129.1	2.3	B0/220		
BH	(60°-80°)	53.3	1.0	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





REPORT NUMBER: P1208297

CATALOG NUMBER: UPW-SA1-060-730-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1
2.5°	703.3	687.5	691.1	680.9	662.4	624.5	592.1	561.4	525.7	524.4	495.0
5°	948.4	935.0	933.3	912.6	879.0	814.5	751.7	680.2	600.4	594.5	532.0
7.5°	1170.8	1160.1	1156.2	1131.6	1069.1	1006.3	924.5	819.4	694.5	683.8	581.9
10°	1341.6	1336.5	1337.5	1320.0	1266.4	1208.0	1100.7	966.6	801.4	784.8	641.7
12.5°	1471.1	1472.3	1481.1	1470.4	1440.4	1397.1	1282.5	1123.6	919.6	897.0	710.1
15°	1566.2	1572.3	1588.4	1601.8	1599.6	1562.1	1457.0	1283.0	1045.2	1020.2	786.3
17.5°	1627.8	1634.6	1658.0	1687.7	1714.9	1706.2	1625.4	1436.8	1172.3	1143.3	867.8
20°	1681.8	1689.9	1714.9	1754.1	1805.0	1815.9	1762.9	1586.0	1299.0	1263.8	952.0
22.5°	1798.9	1798.7	1814.0	1836.9	1885.3	1913.5	1879.9	1724.4	1424.4	1387.6	1037.9
25°	2010.6	2002.6	1997.2	1979.2	1989.9	2007.5	1988.7	1853.9	1550.4	1513.2	1125.0
27.5°	2262.3	2267.1	2223.8	2175.4	2137.9	2119.9	2089.2	1973.9	1671.6	1630.7	1210.2
30°	2527.8	2529.2	2478.1	2416.3	2333.8	2265.4	2212.4	2088.5	1796.2	1751.7	1293.0
32.5°	2767.2	2757.7	2707.1	2622.9	2518.7	2441.8	2331.6	2216.5	1928.1	1885.0	1384.9
35°	2957.0	2945.8	2884.3	2807.6	2699.6	2622.2	2489.5	2344.3	2066.8	2024.7	1477.2
37.5°	3095.8	3082.6	3019.3	2940.5	2847.3	2802.3	2672.8	2483.2	2218.2	2172.9	1574.3
40°	3143.9	3132.5	3092.8	3035.2	2960.2	2950.0	2867.2	2643.1	2383.0	2334.8	1684.3
42.5°	3115.2	3104.0	3089.9	3070.4	3039.3	3049.0	3050.7	2825.4	2566.0	2518.5	1805.7
45°	3001.3	2991.3	3006.0	3034.4	3073.1	3121.3	3218.2	3021.3	2770.4	2719.8	1946.1
47.5°	2833.7	2826.4	2866.8	2937.8	3051.0	3183.8	3371.2	3227.2	2999.9	2952.9	2121.3
50°	2595.2	2593.9	2674.7	2804.5	2978.5	3214.0	3529.4	3461.3	3318.7	3269.3	2364.9
52.5°	2223.8	2226.2	2385.1	2592.7	2851.2	3193.6	3631.1	3762.1	3689.5	3638.2	2575.9
55°	1870.2	1884.8	1997.5	2296.8	2656.0	3117.7	3666.2	3902.5	3894.2	3845.5	2693.2
57.5°	1523.9	1550.4	1659.0	1938.6	2371.0	2942.7	3647.0	3963.3	4046.5	4009.3	2848.0
60°	1148.6	1160.8	1285.9	1547.3	2005.3	2623.4	3507.5	3996.4	4254.9	4229.1	3072.6
62.5°	730.8	761.2	872.2	1124.3	1561.4	2180.0	3272.4	3995.9	4515.5	4529.6	3362.5
65°	385.0	420.5	479.4	696.7	1073.0	1684.8	2918.8	3958.5	4835.3	4855.0	3589.0
67.5°	207.6	217.8	249.0	361.6	622.3	1141.3	2399.3	3773.5	5020.5	5046.5	3620.7
70°	151.9	157.5	169.1	200.0	313.2	662.9	1750.7	3354.2	4781.7	4772.0	3216.9
72.5°	116.6	125.3	134.1	146.5	180.1	353.8	1090.0	2626.6	3815.4	3751.1	2404.6
75°	92.0	93.4	105.9	117.1	135.1	201.5	484.0	1529.7	2328.7	2176.6	1247.0
77.5°	73.5	74.5	81.8	91.5	108.5	132.4	149.9	601.8	743.5	663.4	270.6
80°	43.6	46.0	60.8	70.6	90.0	83.5	54.8	130.7	116.1	105.1	45.5
82.5°	24.3	26.3	34.3	55.7	62.8	39.9	27.3	35.3	27.3	26.5	12.9
85°	0.0	1.2	22.1	34.6	25.6	8.8	11.4	11.7	8.0	7.5	5.1
87.5°	0.0	0.0	6.8	6.6	1.0	1.5	2.7	3.9	3.2	3.2	2.7
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: P1208297

CATALOG NUMBER: UPW-SA1-060-730-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1	471.1
2.5°	480.4	467.2	442.4	418.1	397.6	380.9	365.8	359.7	354.8	354.1	350.2
5°	501.8	475.3	427.8	388.9	362.8	344.4	328.5	318.8	311.3	308.3	305.7
7.5°	534.2	494.0	425.9	381.1	349.9	318.8	289.6	258.0	238.2	230.7	226.3
10°	573.6	518.8	433.2	378.9	324.4	258.7	210.3	170.1	153.8	148.4	147.0
12.5°	619.6	549.7	445.8	365.3	269.9	183.7	145.0	131.4	127.8	126.1	126.1
15°	672.4	583.6	454.8	325.9	199.6	139.0	125.6	119.2	115.4	113.2	113.4
17.5°	726.4	616.7	450.5	268.7	147.2	123.6	113.6	106.8	101.5	99.3	98.8
20°	780.9	647.3	426.1	200.0	124.6	112.2	101.0	93.4	88.1	85.9	85.4
22.5°	837.4	673.4	383.3	146.7	111.9	99.5	88.6	81.0	75.9	74.0	73.0
25°	892.4	694.5	323.4	118.8	100.0	87.6	77.1	70.1	65.5	63.5	63.3
27.5°	943.7	707.9	254.1	104.9	89.6	76.9	67.4	61.1	57.2	55.7	55.5
30°	990.0	709.1	187.9	94.7	80.3	67.7	58.9	53.3	49.9	48.4	47.9
32.5°	1036.7	698.9	136.8	85.4	71.8	59.6	51.1	46.7	44.3	43.1	43.1
35°	1080.8	675.3	106.6	77.4	63.5	51.8	45.0	41.9	40.4	39.2	39.2
37.5°	1123.8	641.5	90.5	70.3	55.7	45.3	39.7	37.7	36.5	35.3	35.3
40°	1167.6	598.9	82.3	63.8	49.4	40.2	35.3	33.6	32.4	31.4	31.1
42.5°	1221.4	549.7	76.9	57.7	43.8	35.5	31.1	29.2	28.2	27.3	26.8
45°	1283.7	507.4	72.5	51.6	39.2	31.6	27.0	25.1	23.6	22.4	22.1
47.5°	1373.5	476.7	66.7	45.0	34.8	27.5	23.4	21.2	19.0	17.8	17.5
50°	1488.1	451.4	59.1	39.2	30.4	23.4	19.5	16.8	14.8	13.6	13.6
52.5°	1545.1	418.3	52.3	34.1	25.6	19.7	15.8	12.7	11.7	10.5	10.5
55°	1568.0	393.0	45.5	29.0	21.2	16.3	12.4	9.7	9.0	8.3	8.0
57.5°	1632.2	385.7	39.7	24.6	17.5	12.9	9.5	7.3	6.8	5.8	5.8
60°	1735.6	389.4	34.3	20.9	14.1	10.0	7.1	5.6	5.1	4.1	4.1
62.5°	1847.3	384.7	29.0	18.0	11.0	7.3	4.9	4.1	4.1	2.4	2.2
65°	1868.7	342.6	24.8	14.8	8.5	5.4	3.2	2.7	3.7	0.5	0.0
67.5°	1734.4	265.7	21.4	11.4	6.3	4.1	2.4	1.2	3.2	0.0	0.0
70°	1386.9	168.9	17.3	8.3	4.9	3.4	1.9	0.5	2.4	0.0	0.0
72.5°	980.7	98.1	13.6	5.8	4.1	2.7	1.5	0.0	1.5	0.0	0.0
75°	496.0	52.3	8.5	4.4	3.2	1.9	1.0	0.0	0.2	0.0	0.0
77.5°	107.3	24.3	5.4	3.2	2.2	1.2	0.5	0.0	0.0	0.0	0.0
80°	23.4	10.7	3.4	1.9	1.2	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	8.5	5.6	1.7	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	2.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	1.0	0.2	0.2	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)