

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: P1209489

Luminaire Tested: UPW-SA2-130-727-U-T3R-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209489  
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-SA2-130-727-U-T3R-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10414 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

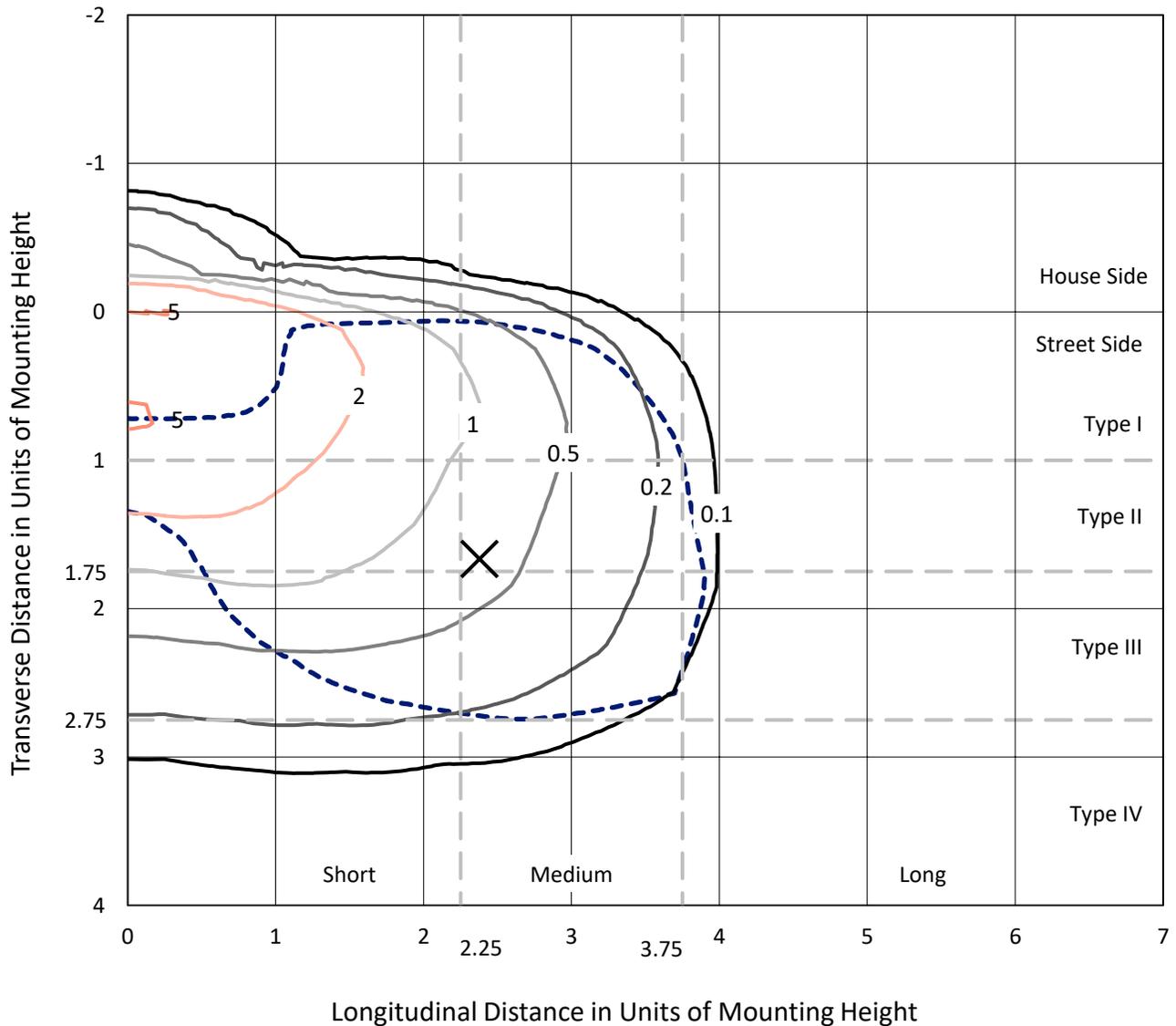
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1209489  
 CATALOG NUMBER: UPW-SA2-130-727-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

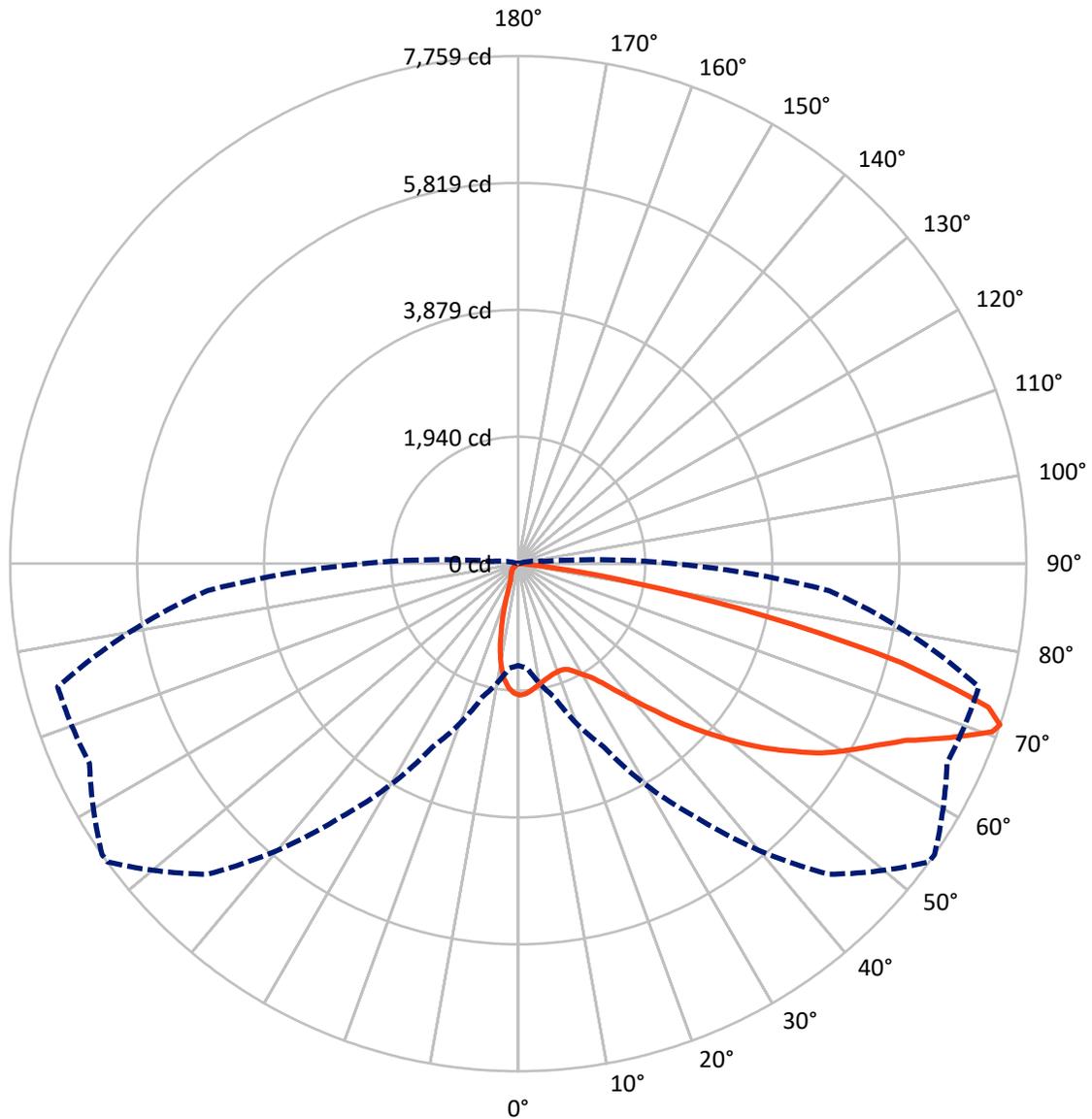
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P1209489  
CATALOG NUMBER: UPW-SA2-130-727-U-T3R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209489

CATALOG NUMBER: UPW-SA2-130-727-U-T3R-HSS

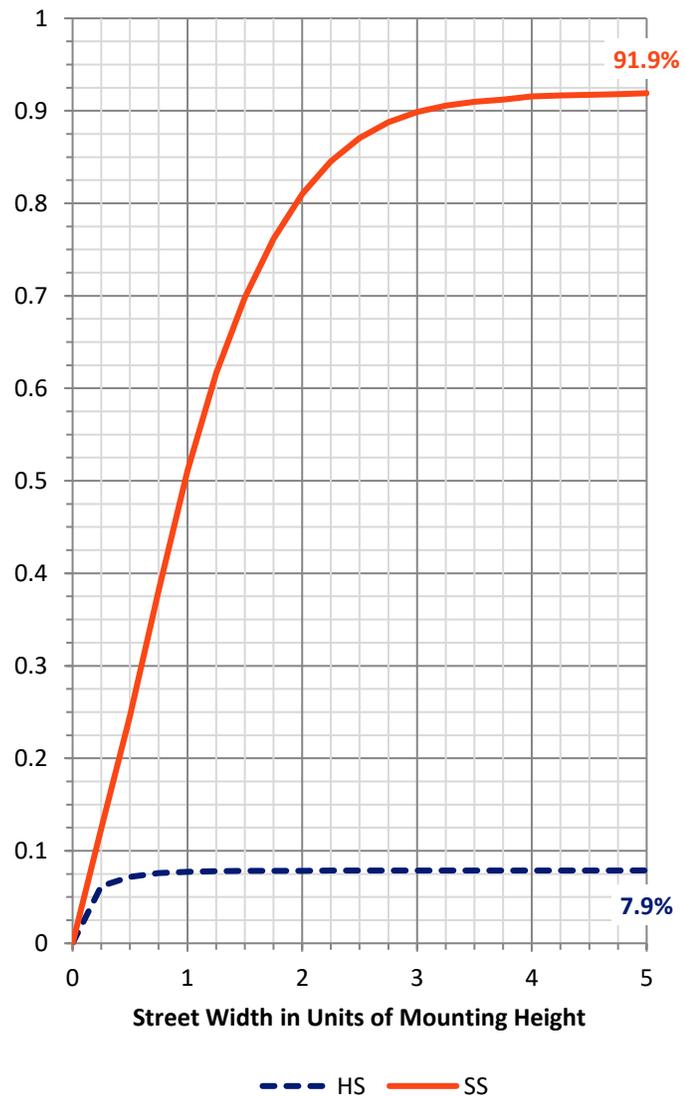
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	824.5	0.0	824.5
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	9589.5	0.0	9589.5
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	10414.0	0.0	10414.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.2	1.6
10°-20°	386.6	3.7
20°-30°	621.3	6.0
30°-40°	1055.6	10.1
40°-50°	1638.4	15.7
50°-60°	2202.7	21.2
60°-70°	2694.7	25.9
70°-80°	1575.5	15.1
80°-90°	68.1	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°	10414.0	100.0
0°-180°	10414.0	100.0



REPORT NUMBER: P1209489

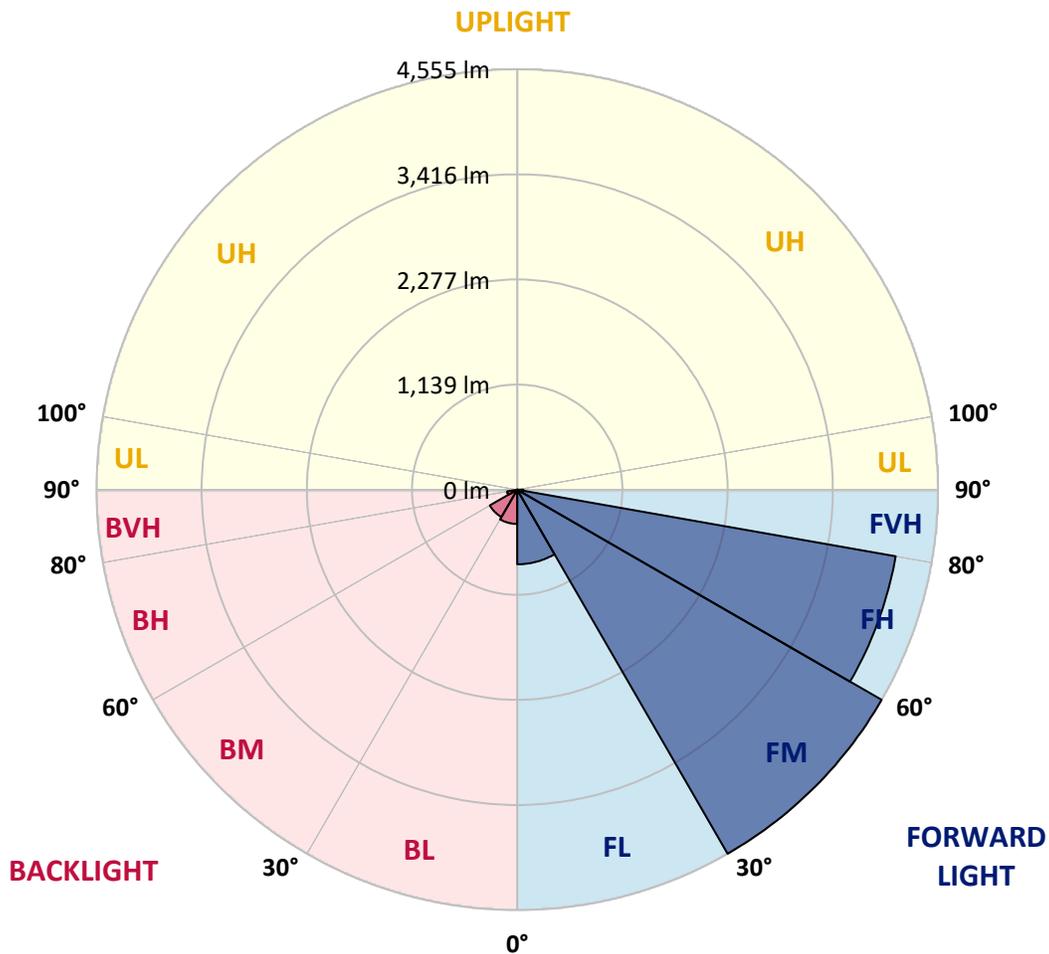
CATALOG NUMBER: UPW-SA2-130-727-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	808.0	7.8			
FM (30°-60°)	4554.8	43.7			
FH (60°-80°)	4159.7	39.9			G2/5000
FVH (80°-90°)	67.0	0.6			G1/100
BL (0°-30°)	371.1	3.6	B1/500		
BM (30°-60°)	341.9	3.3	B1/1000		
BH (60°-80°)	110.5	1.1	B1/500		G1/500
BVH (80°-90°)	1.1	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: P1209489

CATALOG NUMBER: UPW-SA2-130-727-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4
2.5°	1949.5	1951.8	1960.2	1964.0	1972.8	1987.8	1995.3	1995.8	2007.9	2012.6	2016.3
5°	1811.5	1825.5	1839.6	1854.5	1881.7	1917.7	1953.2	1956.5	1995.8	2024.7	2040.2
7.5°	1692.7	1705.4	1722.2	1746.0	1784.4	1841.0	1900.4	1907.4	1981.7	2047.7	2082.3
10°	1570.7	1581.0	1605.3	1640.4	1693.2	1769.0	1848.9	1860.6	1969.1	2078.5	2139.3
12.5°	1440.2	1446.3	1475.8	1526.3	1603.9	1700.2	1805.4	1820.9	1961.1	2114.1	2206.6
15°	1341.1	1343.9	1372.0	1424.3	1513.2	1638.5	1771.8	1790.5	1963.0	2156.6	2280.1
17.5°	1315.8	1317.3	1332.2	1368.2	1446.8	1583.3	1745.1	1768.0	1968.6	2198.2	2353.9
20°	1418.3	1408.4	1393.0	1387.4	1421.1	1550.1	1729.2	1754.9	1976.1	2235.2	2420.3
22.5°	1699.3	1670.3	1606.2	1520.7	1468.8	1552.5	1733.4	1759.1	2000.0	2280.5	2497.0
25°	2116.4	2076.2	1967.2	1798.9	1637.1	1619.8	1768.5	1794.7	2046.3	2334.8	2570.4
27.5°	2591.0	2551.3	2418.0	2177.7	1901.8	1753.1	1848.9	1873.2	2115.0	2382.9	2626.6
30°	3045.5	3034.3	2877.2	2604.1	2234.7	1969.1	1952.7	1973.3	2166.0	2411.9	2671.0
32.5°	3430.8	3413.1	3286.8	3021.2	2615.8	2228.6	2074.8	2080.9	2204.3	2449.3	2729.0
35°	3788.1	3766.1	3655.3	3404.2	3006.7	2545.7	2262.8	2253.9	2288.0	2524.6	2813.1
37.5°	4100.0	4120.1	3997.1	3758.2	3357.4	2875.3	2516.2	2489.5	2418.9	2647.1	2935.2
40°	4360.9	4360.9	4296.9	4097.7	3736.2	3216.2	2802.8	2767.8	2615.8	2836.0	3090.0
42.5°	4454.9	4475.0	4498.9	4386.2	4075.2	3570.7	3122.2	3085.7	2893.1	3104.0	3285.4
45°	4460.5	4492.3	4614.4	4613.9	4381.5	3922.8	3482.3	3465.0	3248.5	3448.1	3527.6
47.5°	4381.5	4421.2	4622.3	4736.4	4624.2	4250.6	3876.0	3854.5	3666.0	3869.9	3781.1
50°	4259.4	4303.4	4537.2	4784.6	4789.2	4535.8	4290.8	4258.5	4125.7	4352.0	4042.9
52.5°	4041.1	4126.2	4461.0	4795.8	4897.7	4782.2	4685.4	4671.4	4640.1	4816.4	4251.5
55°	3573.9	3668.4	4269.7	4799.5	4998.3	5000.6	5055.3	5059.1	5122.2	5250.3	4406.7
57.5°	3353.2	3406.5	3935.9	4817.3	5147.4	5248.4	5432.2	5461.2	5558.9	5662.3	4584.0
60°	3214.3	3277.5	3771.3	4793.0	5381.7	5573.4	5781.5	5791.3	5896.1	6087.3	4823.8
62.5°	3103.5	3165.7	3667.5	4699.5	5645.0	5964.3	6122.9	6123.8	6202.4	6593.7	5096.5
65°	2830.0	2882.3	3457.5	4594.3	5818.9	6351.1	6519.4	6513.3	6577.4	7127.8	5413.0
67.5°	2434.4	2474.6	3028.7	4195.4	5753.5	6702.7	7117.9	7097.8	7020.2	7589.3	5537.4
70°	1882.1	1896.6	2387.1	3496.3	5139.9	6837.8	7696.4	7686.1	7291.9	7506.5	5081.5
71°	1555.7	1603.4	2103.8	3085.7	4728.9	6713.0	7752.5	7758.6	7223.6	7281.1	4767.7
72.5°	903.4	944.1	1524.9	2369.8	4014.9	6192.1	7461.6	7505.6	6904.7	6622.7	4072.4
75°	193.6	207.2	565.3	1147.0	2208.5	4339.9	5889.5	6046.2	5627.7	4505.4	2454.5
77.5°	134.7	145.4	242.2	520.4	729.9	2144.5	3658.6	3835.3	3362.1	1693.2	785.6
80°	106.6	118.8	188.9	257.2	197.3	691.6	1713.8	1821.8	1121.3	377.8	132.3
82.5°	59.4	70.6	147.3	138.9	75.8	131.4	479.8	542.4	224.5	76.2	31.3
85°	17.3	21.0	94.9	101.0	32.3	25.3	81.8	101.5	42.6	20.1	14.0
87.5°	0.0	0.0	45.8	38.8	9.4	3.7	7.5	8.4	8.4	8.4	9.4
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: P1209489

CATALOG NUMBER: UPW-SA2-130-727-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4	2008.4
2.5°	2016.3	2019.6	2007.9	1992.5	1976.1	1956.0	1935.0	1918.6	1918.1	1910.2	1902.2
5°	2041.1	2039.2	2007.0	1957.9	1899.9	1839.6	1782.1	1717.1	1695.5	1668.9	1660.0
7.5°	2086.9	2073.8	2005.6	1898.0	1770.8	1644.6	1514.1	1382.7	1326.6	1276.1	1267.2
10°	2144.5	2119.7	1996.7	1808.2	1574.9	1342.0	1145.2	966.5	888.0	827.7	824.9
12.5°	2204.3	2166.4	1971.9	1672.6	1318.2	990.9	764.1	588.3	522.8	480.7	484.4
15°	2267.0	2210.4	1918.6	1489.8	1025.9	672.4	469.5	366.1	340.0	329.2	332.0
17.5°	2331.0	2240.8	1844.2	1269.6	737.4	433.9	325.0	296.0	296.0	298.3	299.3
20°	2386.7	2257.1	1734.8	1022.7	499.9	316.1	284.3	280.1	282.4	286.2	286.6
22.5°	2441.9	2258.1	1592.2	772.5	349.8	276.8	270.7	268.9	270.3	274.5	275.0
25°	2486.7	2246.9	1413.6	549.4	279.2	260.9	258.1	257.2	258.1	263.3	263.3
27.5°	2505.0	2206.2	1195.7	386.2	250.2	243.2	242.2	243.2	244.6	248.3	248.8
30°	2506.8	2135.1	958.1	279.6	226.8	219.3	221.2	224.5	223.0	222.1	223.0
32.5°	2511.5	2052.8	726.7	230.1	207.2	195.5	193.1	193.1	187.5	184.2	182.4
35°	2527.0	1956.0	527.0	206.7	187.0	173.5	164.6	154.3	143.6	137.9	136.5
37.5°	2551.3	1854.5	377.4	191.3	169.3	153.8	137.0	118.8	103.3	99.1	99.1
40°	2595.7	1749.8	279.2	179.1	155.2	136.1	110.8	87.0	72.9	70.6	70.6
42.5°	2665.8	1639.4	222.6	168.3	143.1	117.8	84.6	63.1	52.8	51.4	51.0
45°	2738.8	1517.9	194.5	158.1	130.0	96.8	62.7	46.8	40.7	39.3	39.3
47.5°	2811.7	1388.3	181.0	148.2	117.4	75.3	46.8	36.9	34.1	34.1	34.6
50°	2873.5	1253.2	171.1	137.5	101.0	57.0	36.9	31.3	30.4	32.3	32.7
52.5°	2888.9	1120.4	159.0	123.9	80.9	43.5	30.4	27.6	27.6	27.6	27.6
55°	2879.5	1017.5	143.1	107.1	59.9	34.6	26.2	24.3	23.8	23.8	23.8
57.5°	2911.3	956.7	114.6	83.2	43.0	28.1	22.9	21.5	20.6	20.1	20.1
60°	2975.4	917.0	81.8	59.9	32.3	23.4	19.6	18.2	16.8	15.9	15.9
62.5°	3060.5	882.4	60.8	44.4	24.8	18.7	16.4	15.0	13.1	12.2	12.2
65°	3126.0	820.7	46.3	33.2	18.7	15.0	12.6	12.2	9.4	8.4	7.9
67.5°	3025.9	685.0	37.4	24.3	14.0	11.7	9.8	9.4	5.6	4.7	4.7
70°	2595.2	477.0	29.9	17.8	10.3	9.4	7.9	6.1	4.2	3.7	3.7
71°	2353.5	398.4	27.1	15.0	8.9	8.9	7.5	5.1	3.7	3.3	3.3
72.5°	1955.1	282.9	22.9	11.7	7.9	9.4	7.9	4.7	3.7	3.3	2.8
75°	1134.9	118.3	15.9	7.9	6.1	11.2	10.3	4.2	2.8	2.3	2.3
77.5°	341.4	43.5	8.9	5.1	4.7	9.8	11.7	3.7	1.4	0.5	0.5
80°	62.2	18.7	5.6	3.3	3.3	6.1	8.9	1.9	0.0	0.0	0.0
82.5°	22.0	9.4	3.3	1.9	1.4	2.8	4.2	0.0	0.0	0.0	0.0
85°	12.6	6.5	1.9	0.9	0.0	0.5	0.9	0.0	0.0	0.0	0.0
87.5°	8.4	1.9	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)