

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: P1208517

Luminaire Tested: UPW-SA1-070-727-U-T3R-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208517  
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-SA1-070-727-U-T3R-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WI'  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5330 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

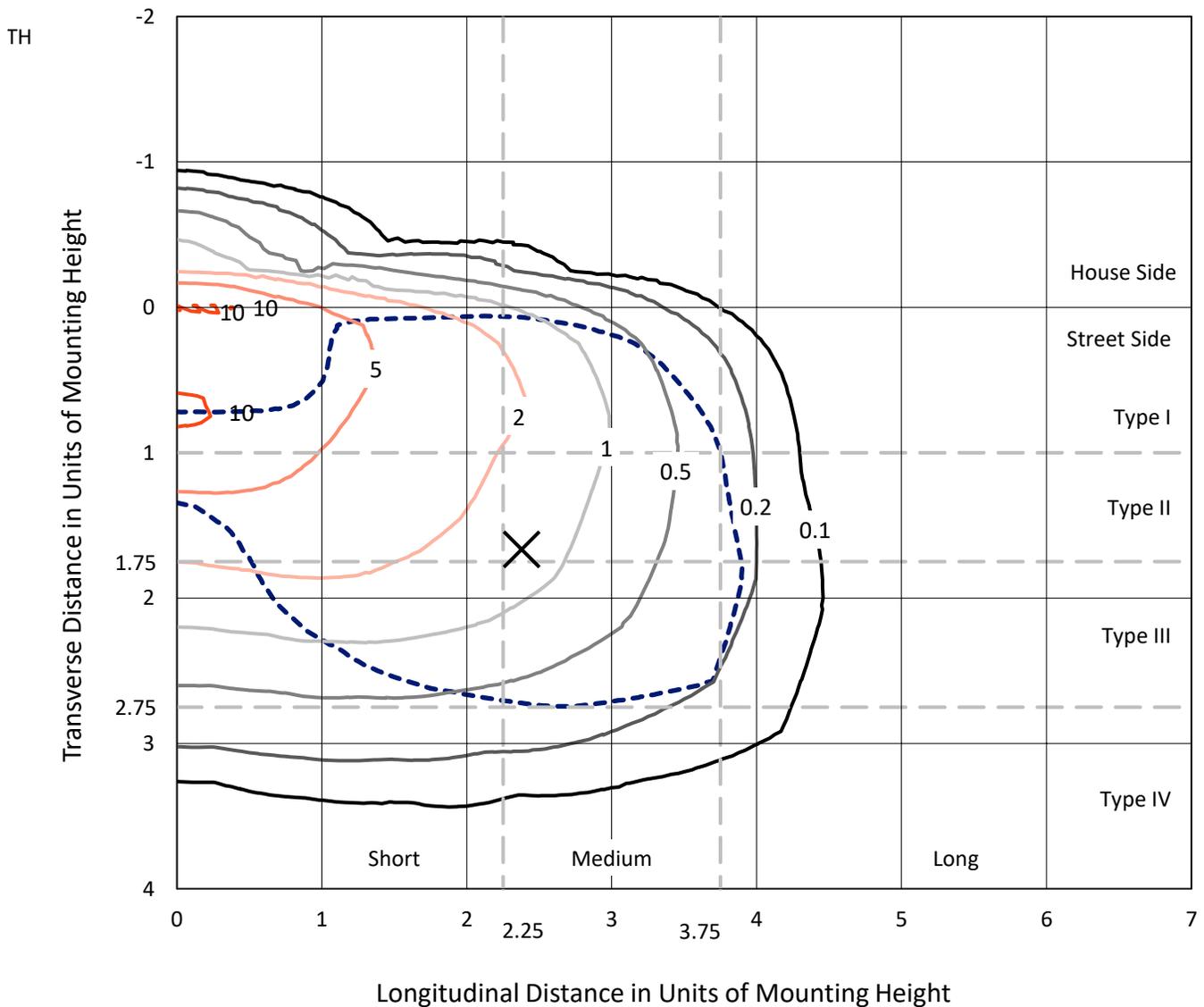
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

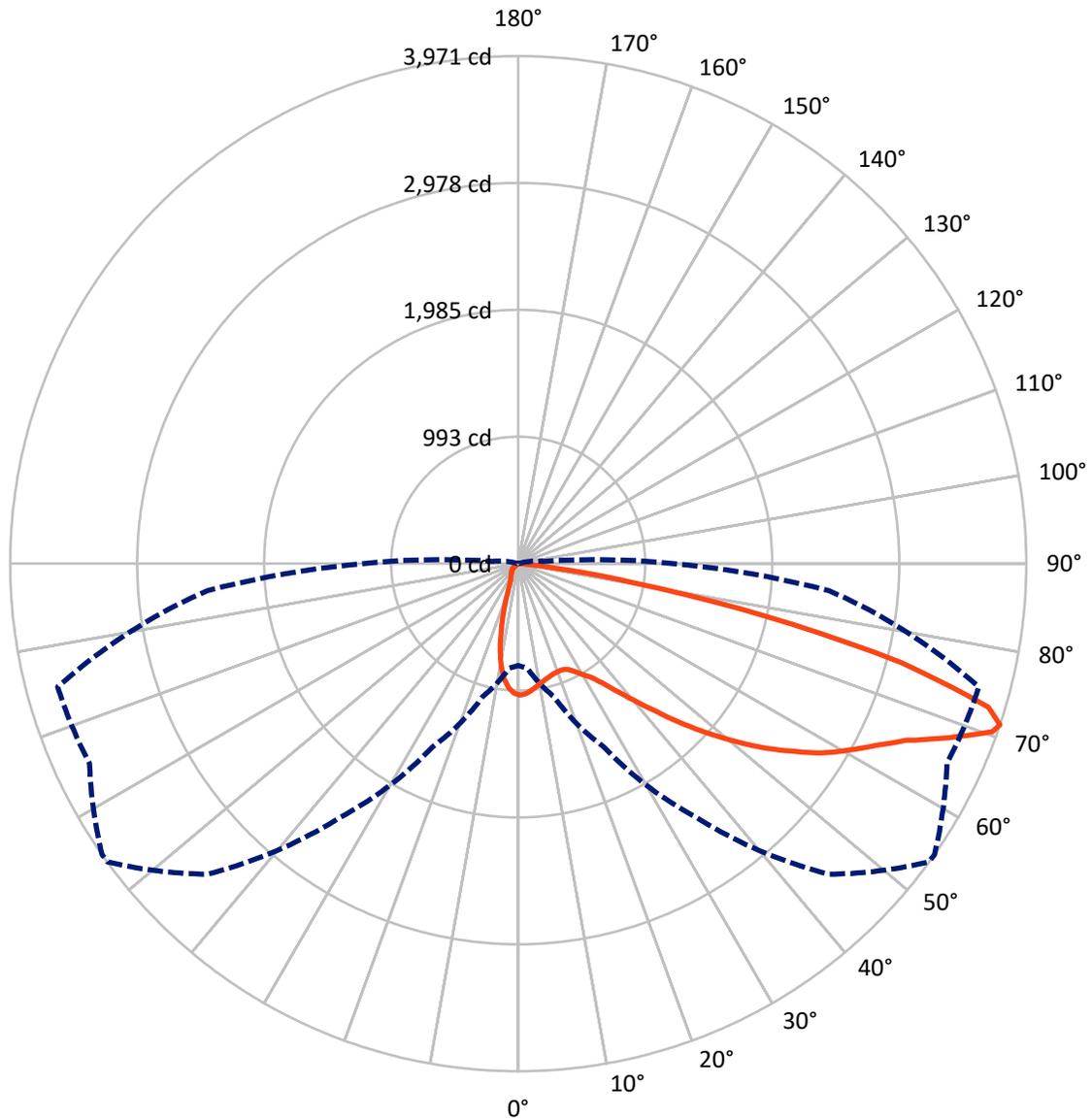
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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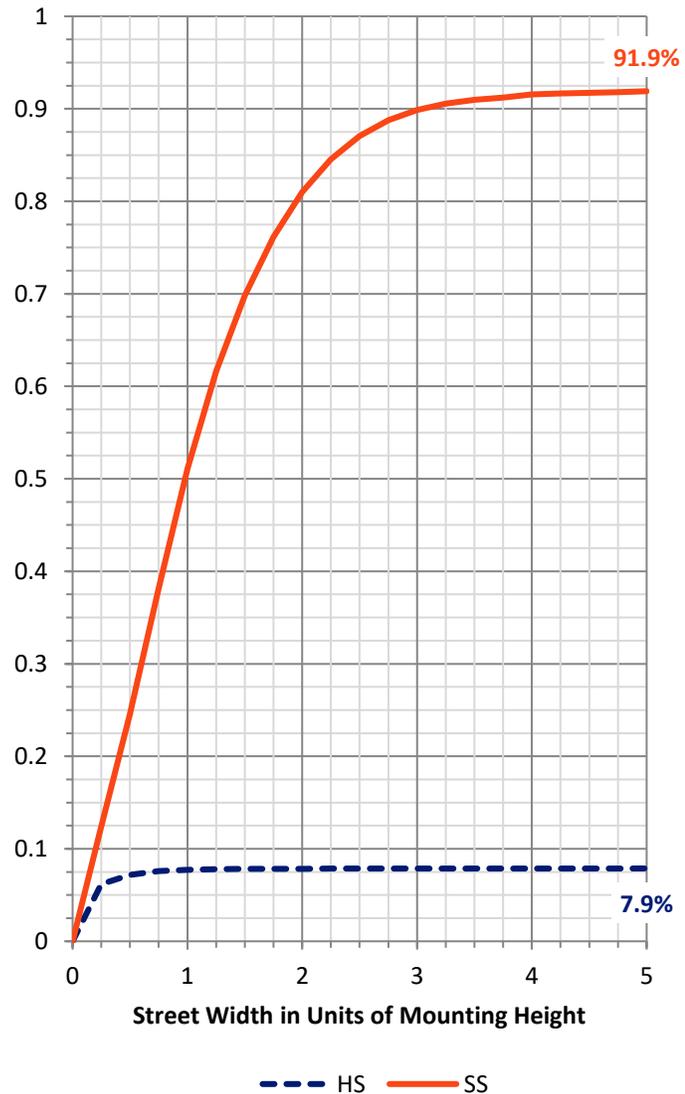
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	422.0	0.0	422.0
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	4908.0	0.0	4908.0
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	5330.0	0.0	5330.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.6	1.6
10°-20°	197.9	3.7
20°-30°	318.0	6.0
30°-40°	540.2	10.1
40°-50°	838.5	15.7
50°-60°	1127.4	21.2
60°-70°	1379.2	25.9
70°-80°	806.4	15.1
80°-90°	34.9	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°	5330.0	100.0
0°-180°	5330.0	100.0



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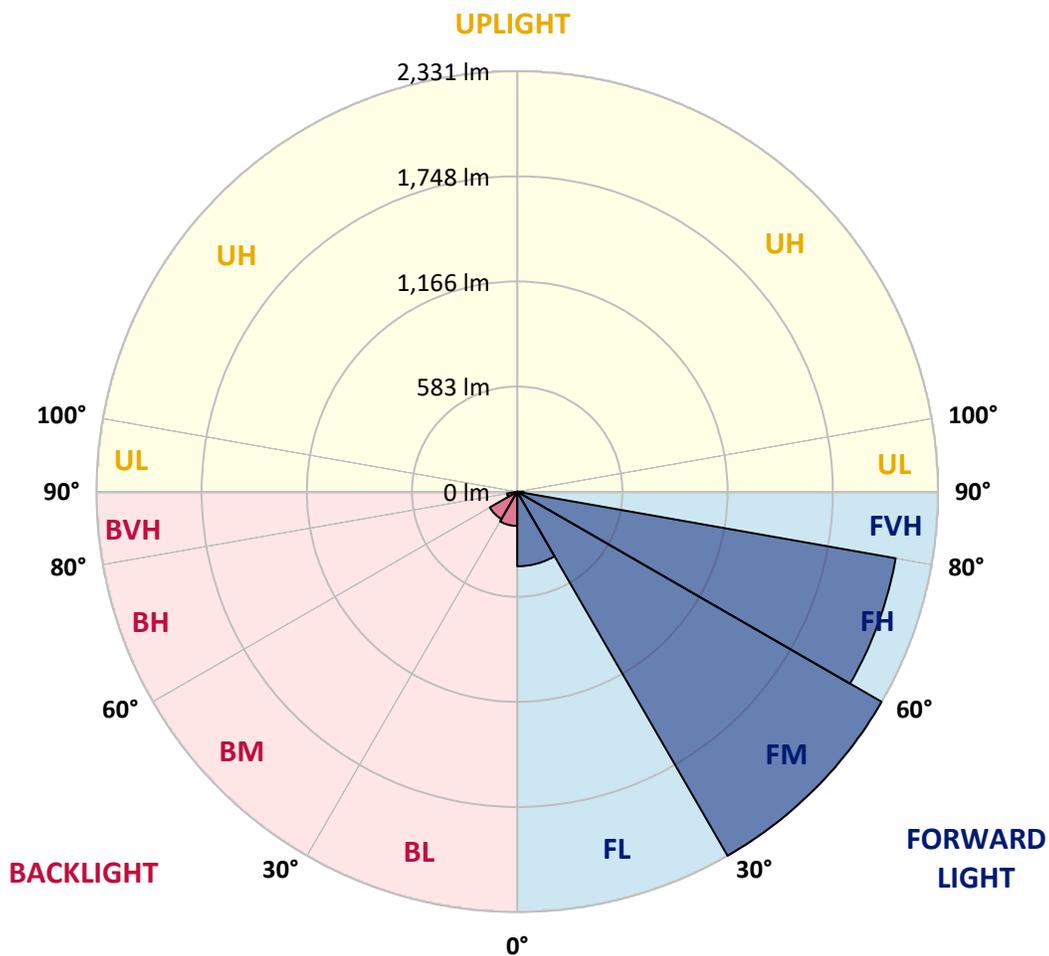
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.5	7.8			
FM	(30°-60°)	2331.2	43.7			
FH	(60°-80°)	2129.0	39.9			G2/5000
FVH	(80°-90°)	34.3	0.6			G1/100
BL	(0°-30°)	189.9	3.6	B1/500		
BM	(30°-60°)	175.0	3.3	B0/220		
BH	(60°-80°)	56.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9
2.5°	997.8	999.0	1003.3	1005.2	1009.7	1017.4	1021.2	1021.4	1027.7	1030.1	1032.0
5°	927.2	934.3	941.5	949.2	963.1	981.5	999.7	1001.3	1021.4	1036.3	1044.2
7.5°	866.4	872.8	881.4	893.6	913.3	942.2	972.6	976.2	1014.3	1048.0	1065.7
10°	803.9	809.2	821.6	839.6	866.6	905.4	946.3	952.3	1007.8	1063.8	1094.9
12.5°	737.1	740.2	755.3	781.2	820.9	870.2	924.0	931.9	1003.7	1082.0	1129.4
15°	686.4	687.8	702.2	729.0	774.5	838.6	906.8	916.4	1004.7	1103.8	1167.0
17.5°	673.5	674.2	681.8	700.3	740.5	810.4	893.2	904.9	1007.6	1125.1	1204.8
20°	725.9	720.9	713.0	710.1	727.3	793.4	885.0	898.2	1011.4	1144.0	1238.8
22.5°	869.7	854.9	822.1	778.3	751.7	794.6	887.2	900.3	1023.6	1167.2	1278.0
25°	1083.2	1062.6	1006.8	920.7	837.9	829.0	905.1	918.5	1047.3	1195.0	1315.6
27.5°	1326.1	1305.8	1237.6	1114.5	973.3	897.2	946.3	958.7	1082.5	1219.6	1344.3
30°	1558.7	1553.0	1472.6	1332.8	1143.7	1007.8	999.4	1010.0	1108.6	1234.4	1367.0
32.5°	1755.9	1746.8	1682.2	1546.3	1338.8	1140.6	1061.9	1065.0	1128.2	1253.6	1396.7
35°	1938.8	1927.5	1870.8	1742.3	1538.9	1302.9	1158.1	1153.6	1171.0	1292.1	1439.8
37.5°	2098.4	2108.7	2045.8	1923.5	1718.4	1471.6	1287.8	1274.2	1238.0	1354.8	1502.3
40°	2232.0	2232.0	2199.2	2097.2	1912.2	1646.1	1434.5	1416.6	1338.8	1451.5	1581.5
42.5°	2280.1	2290.4	2302.6	2244.9	2085.7	1827.5	1598.0	1579.3	1480.7	1588.7	1681.5
45°	2282.9	2299.2	2361.7	2361.4	2242.5	2007.7	1782.3	1773.4	1662.6	1764.8	1805.5
47.5°	2242.5	2262.8	2365.7	2424.1	2366.7	2175.5	1983.8	1972.8	1876.3	1980.7	1935.2
50°	2180.0	2202.5	2322.2	2448.8	2451.2	2321.5	2196.1	2179.6	2111.6	2227.4	2069.2
52.5°	2068.3	2111.8	2283.2	2454.5	2506.7	2447.6	2398.1	2390.9	2374.8	2465.1	2176.0
55°	1829.2	1877.5	2185.3	2456.5	2558.2	2559.4	2587.4	2589.3	2621.6	2687.2	2255.4
57.5°	1716.2	1743.5	2014.4	2465.5	2634.5	2686.2	2780.3	2795.1	2845.1	2898.0	2346.1
60°	1645.1	1677.4	1930.2	2453.1	2754.4	2852.5	2959.0	2964.1	3017.7	3115.6	2468.9
62.5°	1588.4	1620.2	1877.0	2405.2	2889.2	3052.6	3133.7	3134.2	3174.4	3374.8	2608.4
65°	1448.4	1475.2	1769.6	2351.4	2978.2	3250.5	3336.7	3333.6	3366.4	3648.1	2770.4
67.5°	1245.9	1266.5	1550.1	2147.2	2944.7	3430.5	3643.0	3632.7	3593.0	3884.3	2834.1
70°	963.3	970.7	1221.8	1789.4	2630.7	3499.7	3939.1	3933.8	3732.1	3841.9	2600.8
71°	796.2	820.7	1076.7	1579.3	2420.3	3435.8	3967.8	3970.9	3697.1	3726.6	2440.2
72.5°	462.4	483.2	780.4	1212.9	2054.9	3169.2	3818.9	3841.4	3533.9	3389.6	2084.3
75°	99.1	106.0	289.3	587.1	1130.3	2221.2	3014.3	3094.5	2880.3	2305.9	1256.2
77.5°	68.9	74.4	124.0	266.4	373.6	1097.6	1872.5	1963.0	1720.8	866.6	402.1
80°	54.6	60.8	96.7	131.6	101.0	354.0	877.1	932.4	573.9	193.4	67.7
82.5°	30.4	36.1	75.4	71.1	38.8	67.3	245.5	277.6	114.9	39.0	16.0
85°	8.9	10.8	48.6	51.7	16.5	12.9	41.9	51.9	21.8	10.3	7.2
87.5°	0.0	0.0	23.5	19.9	4.8	1.9	3.8	4.3	4.3	4.3	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9
2.5°	1032.0	1033.7	1027.7	1019.8	1011.4	1001.1	990.3	982.0	981.7	977.7	973.6
5°	1044.7	1043.7	1027.2	1002.1	972.4	941.5	912.1	878.8	867.8	854.2	849.6
7.5°	1068.1	1061.4	1026.5	971.4	906.3	841.7	774.9	707.7	679.0	653.1	648.6
10°	1097.6	1084.9	1021.9	925.5	806.1	686.9	586.1	494.7	454.5	423.6	422.2
12.5°	1128.2	1108.8	1009.2	856.1	674.7	507.1	391.1	301.1	267.6	246.0	247.9
15°	1160.3	1131.3	982.0	762.5	525.1	344.2	240.3	187.4	174.0	168.5	169.9
17.5°	1193.0	1146.9	943.9	649.8	377.4	222.1	166.3	151.5	151.5	152.7	153.2
20°	1221.5	1155.2	887.9	523.4	255.8	161.8	145.5	143.4	144.6	146.5	146.7
22.5°	1249.8	1155.7	814.9	395.4	179.0	141.7	138.6	137.6	138.3	140.5	140.7
25°	1272.7	1150.0	723.5	281.2	142.9	133.5	132.1	131.6	132.1	134.7	134.7
27.5°	1282.1	1129.1	612.0	197.7	128.0	124.5	124.0	124.5	125.2	127.1	127.3
30°	1283.0	1092.8	490.4	143.1	116.1	112.2	113.2	114.9	114.2	113.7	114.2
32.5°	1285.4	1050.6	371.9	117.7	106.0	100.0	98.8	98.8	96.0	94.3	93.3
35°	1293.3	1001.1	269.7	105.8	95.7	88.8	84.2	79.0	73.5	70.6	69.9
37.5°	1305.8	949.2	193.1	97.9	86.6	78.7	70.1	60.8	52.9	50.7	50.7
40°	1328.5	895.6	142.9	91.7	79.5	69.6	56.7	44.5	37.3	36.1	36.1
42.5°	1364.4	839.1	113.9	86.2	73.2	60.3	43.3	32.3	27.0	26.3	26.1
45°	1401.7	776.9	99.6	80.9	66.5	49.5	32.1	23.9	20.8	20.1	20.1
47.5°	1439.1	710.6	92.6	75.9	60.1	38.5	23.9	18.9	17.5	17.5	17.7
50°	1470.7	641.4	87.6	70.4	51.7	29.2	18.9	16.0	15.6	16.5	16.8
52.5°	1478.6	573.4	81.4	63.4	41.4	22.3	15.6	14.1	14.1	14.1	14.1
55°	1473.8	520.8	73.2	54.8	30.6	17.7	13.4	12.4	12.2	12.2	12.2
57.5°	1490.1	489.7	58.6	42.6	22.0	14.4	11.7	11.0	10.5	10.3	10.3
60°	1522.8	469.3	41.9	30.6	16.5	12.0	10.1	9.3	8.6	8.1	8.1
62.5°	1566.4	451.6	31.1	22.7	12.7	9.6	8.4	7.7	6.7	6.2	6.2
65°	1599.9	420.0	23.7	17.0	9.6	7.7	6.5	6.2	4.8	4.3	4.1
67.5°	1548.7	350.6	19.1	12.4	7.2	6.0	5.0	4.8	2.9	2.4	2.4
70°	1328.3	244.1	15.3	9.1	5.3	4.8	4.1	3.1	2.2	1.9	1.9
71°	1204.5	203.9	13.9	7.7	4.5	4.5	3.8	2.6	1.9	1.7	1.7
72.5°	1000.6	144.8	11.7	6.0	4.1	4.8	4.1	2.4	1.9	1.7	1.4
75°	580.8	60.5	8.1	4.1	3.1	5.7	5.3	2.2	1.4	1.2	1.2
77.5°	174.7	22.3	4.5	2.6	2.4	5.0	6.0	1.9	0.7	0.2	0.2
80°	31.8	9.6	2.9	1.7	1.7	3.1	4.5	1.0	0.0	0.0	0.0
82.5°	11.2	4.8	1.7	1.0	0.7	1.4	2.2	0.0	0.0	0.0	0.0
85°	6.5	3.4	1.0	0.5	0.0	0.2	0.5	0.0	0.0	0.0	0.0
87.5°	4.3	1.0	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)