

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: P1209594

Luminaire Tested: UPW-SA2-130-750-U-T2R

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-750-U-T2R  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16870 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - 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

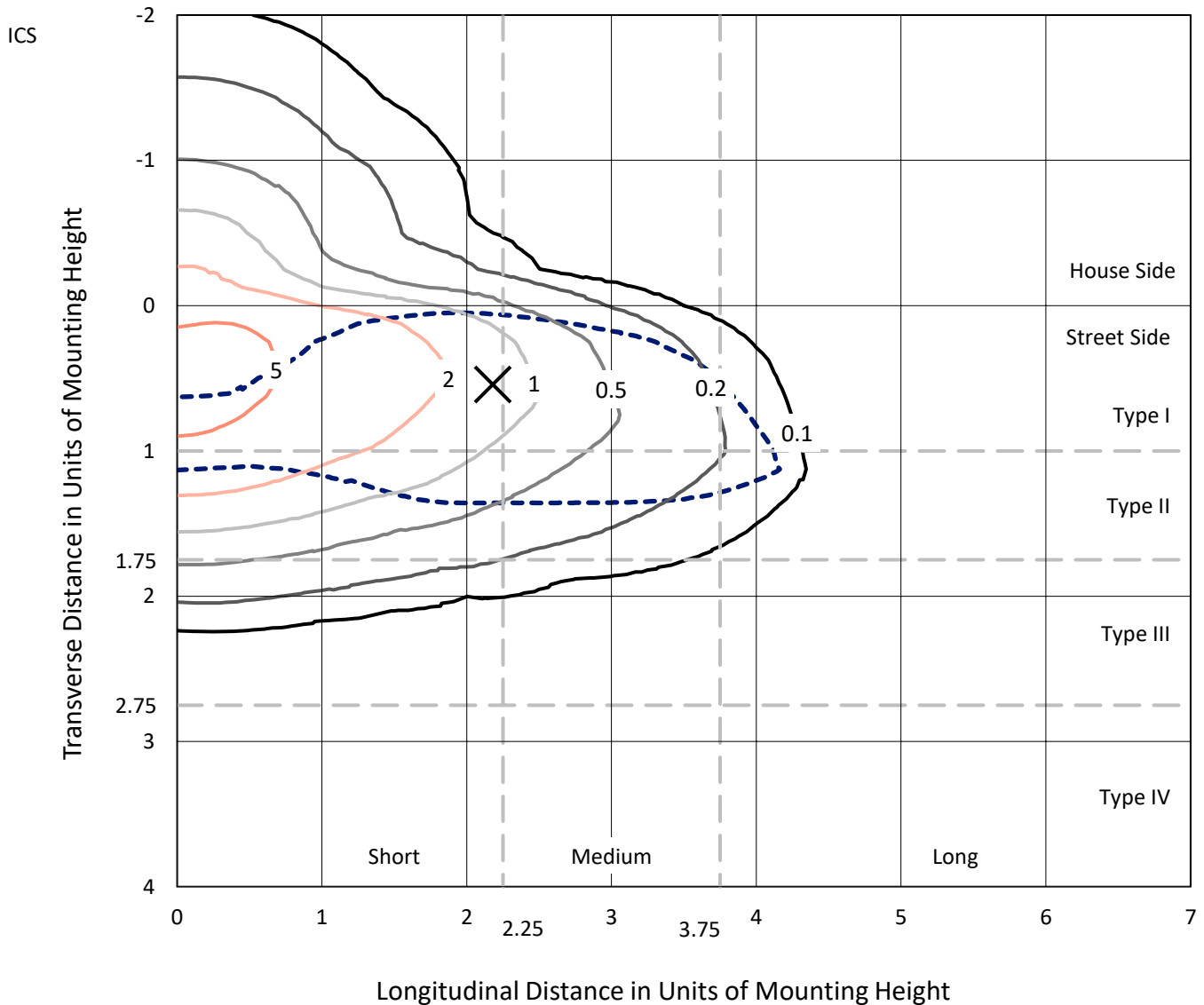


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### Iso-Footcandle Lines of Horizontal Illumination

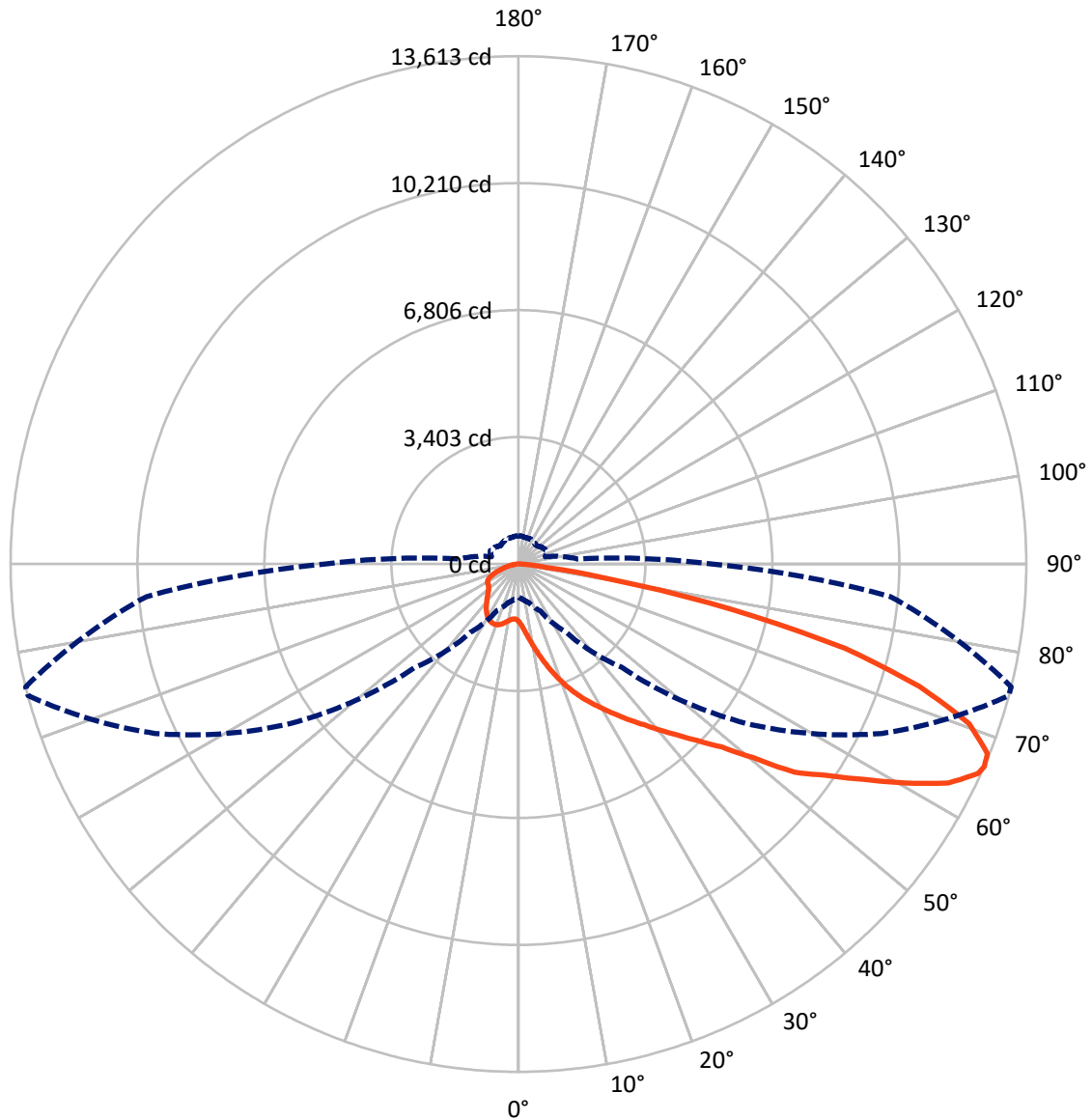
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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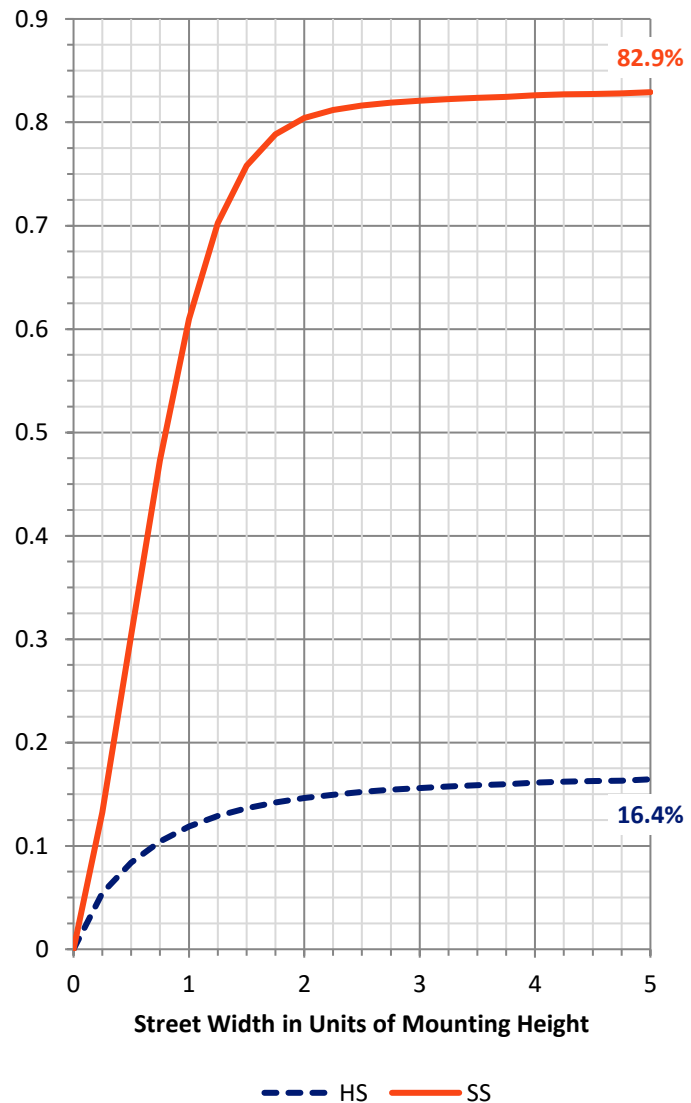
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2838.6	0.0	2838.6
	% Fixture	16.8	0.0	16.8
<b>Street Side</b>	Lumens	14031.4	0.0	14031.4
	% Fixture	83.2	0.0	83.2
<b>Total</b>	Lumens	16870.0	0.0	16870.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.3	1.1
10°-20°	735.7	4.4
20°-30°	1429.6	8.5
30°-40°	2333.5	13.8
40°-50°	3188.1	18.9
50°-60°	3713.5	22.0
60°-70°	3329.2	19.7
70°-80°	1682.4	10.0
80°-90°	271.7	1.6
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°	16870.0	100.0
0°-180°	16870.0	100.0



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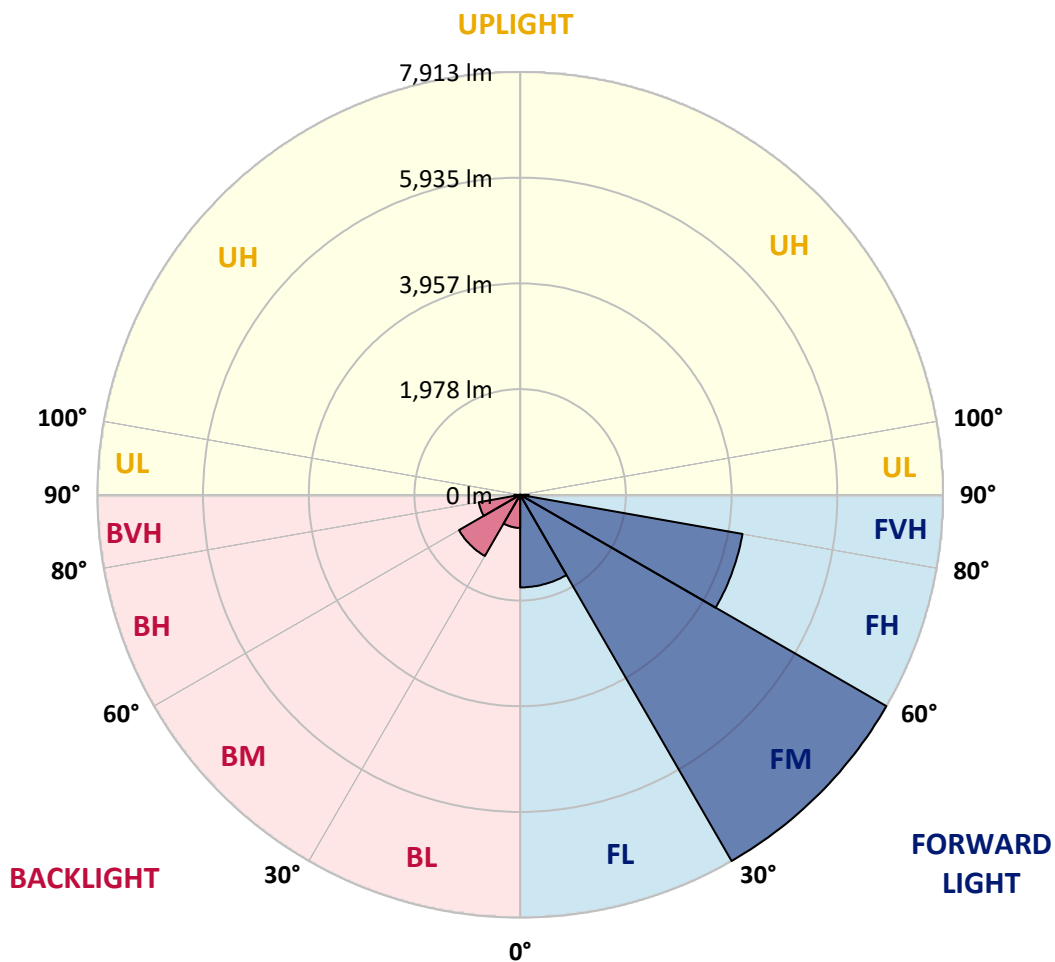
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.5	10.3			
FM (30°-60°)	7913.2	46.9			
FH (60°-80°)	4225.2	25.0			G2/5000
FVH (80°-90°)	160.4	1.0			G2/225
BL (0°-30°)	619.1	3.7	B2/1000		
BM (30°-60°)	1321.8	7.8	B2/2500		
BH (60°-80°)	786.4	4.7	B2/1000		G2/1000
BVH (80°-90°)	111.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	2045.2	2014.2	2011.4	1966.1	1955.8	1869.4	1805.8	1739.3	1663.7	1648.9	1589.3
5°	2627.1	2624.2	2584.7	2510.8	2453.0	2305.2	2159.1	2004.5	1835.0	1807.5	1673.5
7.5°	3150.5	3145.9	3115.6	3036.0	2952.4	2770.8	2562.3	2325.2	2050.3	2009.7	1787.5
10°	3548.0	3546.3	3536.0	3477.5	3406.5	3232.4	3002.2	2678.6	2300.6	2245.1	1930.1
12.5°	3855.0	3858.4	3865.3	3844.7	3810.9	3662.5	3426.6	3053.2	2567.5	2512.5	2088.7
15°	4062.9	4073.2	4108.7	4137.9	4155.6	4064.6	3836.1	3436.3	2866.5	2800.6	2264.5
17.5°	4167.7	4179.1	4240.4	4328.6	4409.9	4400.8	4219.2	3801.7	3153.4	3089.8	2453.5
20°	4258.2	4266.7	4335.5	4441.4	4585.2	4648.8	4546.8	4153.4	3467.8	3392.2	2654.0
22.5°	4520.5	4531.3	4552.0	4612.1	4739.2	4856.1	4806.8	4486.1	3755.9	3685.4	2844.1
25°	5026.7	5039.9	4995.2	4944.3	4968.3	5049.7	5058.8	4789.6	4048.0	3968.4	3048.6
27.5°	5636.7	5655.6	5579.4	5448.3	5333.7	5302.2	5291.3	5038.2	4326.9	4234.7	3250.7
30°	6234.0	6266.7	6167.6	5997.5	5787.3	5639.6	5530.2	5281.6	4601.8	4513.6	3441.5
32.5°	6817.6	6804.5	6660.7	6494.6	6248.4	6063.4	5798.8	5542.8	4911.1	4809.7	3631.0
35°	7217.4	7222.0	7088.5	6891.5	6656.7	6514.7	6158.4	5824.5	5226.6	5133.3	3846.4
37.5°	7557.6	7536.4	7385.2	7201.4	6999.2	6938.5	6579.4	6135.0	5568.5	5466.6	4075.5
40°	7671.0	7646.4	7547.3	7415.0	7252.9	7247.7	7043.9	6486.6	5955.1	5854.3	4333.8
42.5°	7602.3	7570.8	7530.1	7494.0	7444.2	7467.1	7480.3	6899.0	6380.1	6267.3	4632.7
45°	7348.5	7301.0	7329.6	7408.1	7516.4	7645.8	7874.3	7355.4	6856.0	6761.5	4983.8
47.5°	6958.5	6915.6	7004.9	7172.7	7467.1	7794.7	8247.1	7859.4	7424.1	7330.2	5483.8
50°	6409.9	6422.5	6550.2	6855.4	7300.4	7863.4	8706.5	8526.6	8250.0	8162.4	6165.9
52.5°	5509.5	5511.8	5871.5	6372.6	7004.9	7827.9	8961.3	9379.4	9377.7	9271.7	6815.3
55°	4673.4	4724.4	5009.0	5675.1	6526.1	7685.9	9139.4	9794.1	10118.2	9993.9	7420.7
57.5°	3856.7	3886.5	4156.2	4825.1	5842.9	7307.3	9322.1	10291.7	10971.6	10893.1	8173.3
60°	2927.7	2973.6	3252.5	3870.4	4968.9	6635.5	9339.3	10811.2	11991.6	11912.5	9013.4
62.5°	1900.3	1979.3	2240.5	2819.5	3911.7	5669.3	8940.7	11150.8	12958.3	12930.3	9759.1
65°	1092.2	1151.7	1333.3	1780.0	2698.6	4456.3	7992.9	11020.2	13553.4	13537.3	10038.0
66°	892.3	929.5	1068.7	1391.1	2226.7	3913.4	7441.9	10744.8	13612.4	13612.9	10006.0
67.5°	713.6	730.2	792.6	996.0	1643.1	3101.8	6457.4	10137.1	13539.1	13559.1	9799.2
70°	590.5	599.1	618.5	667.8	896.9	1870.5	4583.5	8558.1	12803.1	12818.6	8992.2
72.5°	529.8	534.9	542.4	549.2	632.9	1045.2	2799.4	6846.3	11225.3	11245.3	7762.6
75°	479.9	482.8	481.7	482.2	530.9	666.1	1446.7	5111.5	9076.4	9036.3	5946.5
77.5°	421.5	424.4	418.7	419.8	469.6	512.0	719.9	3578.3	6125.2	5842.3	3350.4
80°	356.2	358.5	356.2	360.2	408.9	386.6	418.7	2013.1	2708.4	2561.8	1191.3
82.5°	269.2	278.9	285.8	301.8	336.8	274.9	280.1	784.1	824.7	785.2	365.4
85°	118.0	143.8	215.3	230.8	253.1	164.9	183.8	319.6	335.6	325.3	132.9
87.5°	30.9	33.8	106.5	134.0	140.3	74.5	95.6	145.5	153.5	145.5	44.1
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°	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6	1540.6
2.5°	1557.8	1529.7	1479.3	1434.7	1400.9	1378.0	1355.1	1343.6	1336.7	1329.9	1331.0
5°	1607.6	1550.9	1464.4	1403.2	1368.8	1347.0	1335.6	1331.0	1328.1	1321.3	1321.3
7.5°	1682.6	1602.5	1483.3	1420.3	1393.4	1376.8	1369.9	1367.7	1364.2	1356.2	1357.3
10°	1777.1	1664.9	1522.9	1461.6	1436.9	1418.6	1408.9	1405.5	1399.2	1390.0	1391.1
12.5°	1888.3	1742.2	1575.0	1510.8	1481.0	1456.4	1440.4	1430.6	1419.8	1407.7	1408.3
15°	2009.7	1826.4	1631.1	1554.9	1514.3	1479.9	1454.1	1437.5	1420.3	1405.5	1404.9
17.5°	2132.8	1907.7	1674.1	1579.0	1524.0	1478.8	1443.8	1418.0	1396.9	1378.5	1376.8
20°	2265.7	1981.0	1698.1	1576.7	1505.7	1451.8	1405.5	1373.4	1349.9	1331.6	1328.7
22.5°	2400.8	2049.8	1702.1	1553.2	1465.0	1399.2	1350.5	1315.0	1290.9	1272.0	1265.1
25°	2524.5	2103.0	1685.5	1508.0	1408.3	1337.3	1289.8	1253.7	1234.2	1211.9	1205.0
27.5°	2637.4	2140.2	1652.3	1450.1	1344.7	1274.9	1230.2	1199.3	1178.1	1160.9	1155.2
30°	2738.7	2160.3	1597.9	1381.4	1279.5	1215.9	1178.1	1156.9	1138.6	1116.8	1112.8
32.5°	2835.0	2160.3	1528.0	1306.4	1214.7	1163.8	1141.4	1128.3	1107.6	1086.4	1080.7
35°	2931.2	2147.1	1445.5	1227.9	1155.2	1126.5	1125.4	1109.9	1078.4	1049.8	1042.3
37.5°	3032.5	2120.2	1352.8	1154.6	1106.5	1109.9	1119.7	1085.3	1040.6	1000.0	989.1
40°	3147.1	2083.0	1256.5	1091.0	1065.8	1102.5	1104.2	1049.8	962.7	925.5	915.8
42.5°	3281.7	2045.7	1167.2	1034.9	1033.8	1080.1	1075.0	973.0	920.9	902.0	896.9
45°	3458.6	2024.6	1082.4	981.6	1008.6	1044.1	1025.2	930.7	908.9	898.0	893.4
47.5°	3737.6	2035.4	1004.5	939.3	983.4	1008.0	932.4	913.5	898.0	884.8	880.3
50°	4086.9	2029.1	941.5	910.0	954.7	970.2	890.6	891.1	883.1	868.2	861.4
52.5°	4349.8	1979.9	900.9	893.4	929.5	903.2	864.2	869.4	865.4	843.6	836.2
55°	4603.5	1937.5	880.3	887.1	911.2	819.6	833.3	845.9	841.9	820.7	817.3
57.5°	4919.1	1929.5	867.7	888.9	895.7	777.8	803.5	820.1	817.3	808.1	806.4
60°	5305.7	1931.8	856.2	891.7	878.5	746.8	775.5	796.7	798.4	796.7	795.5
62.5°	5518.1	1869.4	827.6	883.7	848.2	719.9	746.3	777.2	777.8	781.2	780.6
65°	5337.7	1682.6	774.3	855.6	797.2	697.6	721.1	754.8	746.3	761.7	761.7
66°	5162.5	1575.0	748.0	837.3	775.5	689.0	713.0	743.4	732.5	753.7	753.7
67.5°	4804.5	1393.4	700.4	798.4	744.5	677.0	703.9	724.5	709.6	741.1	738.8
70°	4150.5	1077.9	604.8	710.2	693.6	659.2	691.3	686.7	664.9	713.0	703.9
72.5°	3499.3	819.0	485.7	594.5	616.2	636.9	673.5	638.6	611.1	644.9	624.8
75°	2715.3	615.7	383.7	462.2	520.6	601.9	652.3	583.0	543.5	540.1	529.2
77.5°	1467.9	422.7	304.1	352.8	413.5	558.4	638.0	523.5	463.9	450.2	441.6
80°	581.3	274.9	221.1	267.5	289.2	495.4	603.6	454.2	382.6	368.8	355.7
82.5°	240.0	162.7	142.6	179.3	188.4	423.8	541.8	372.3	295.5	408.9	434.1
85°	103.1	89.3	84.8	92.8	106.5	297.2	431.3	284.1	319.0	284.6	226.2
87.5°	30.9	37.8	36.1	35.5	38.9	71.0	229.7	158.1	234.2	88.8	66.4
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)