

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P507651

Luminaire Tested: **VERD-S-CA1-60-750-U-T3**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507651  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-60-750-U-T3  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5000K, 1150mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8827 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

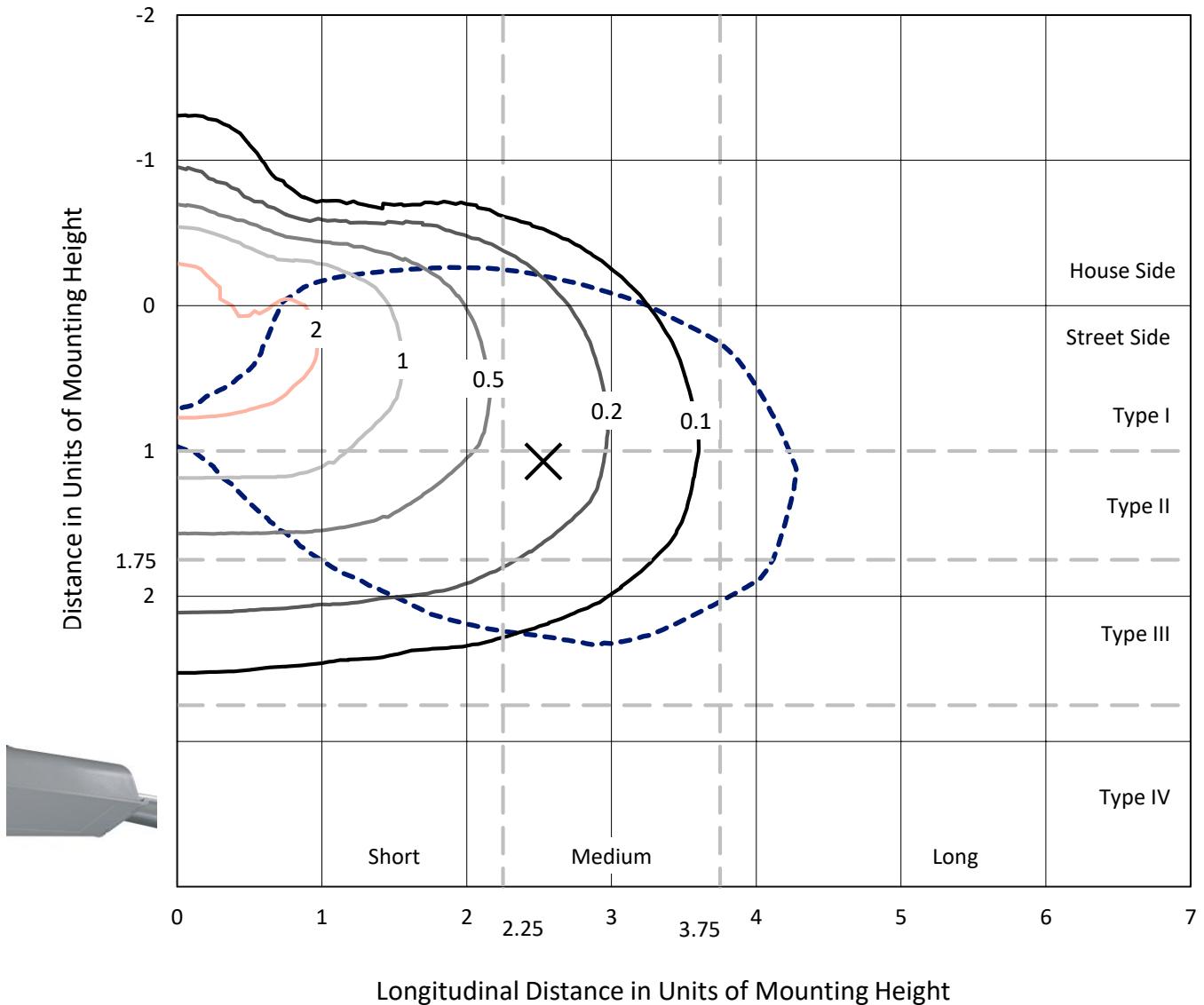
Input Watts (W): 63.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

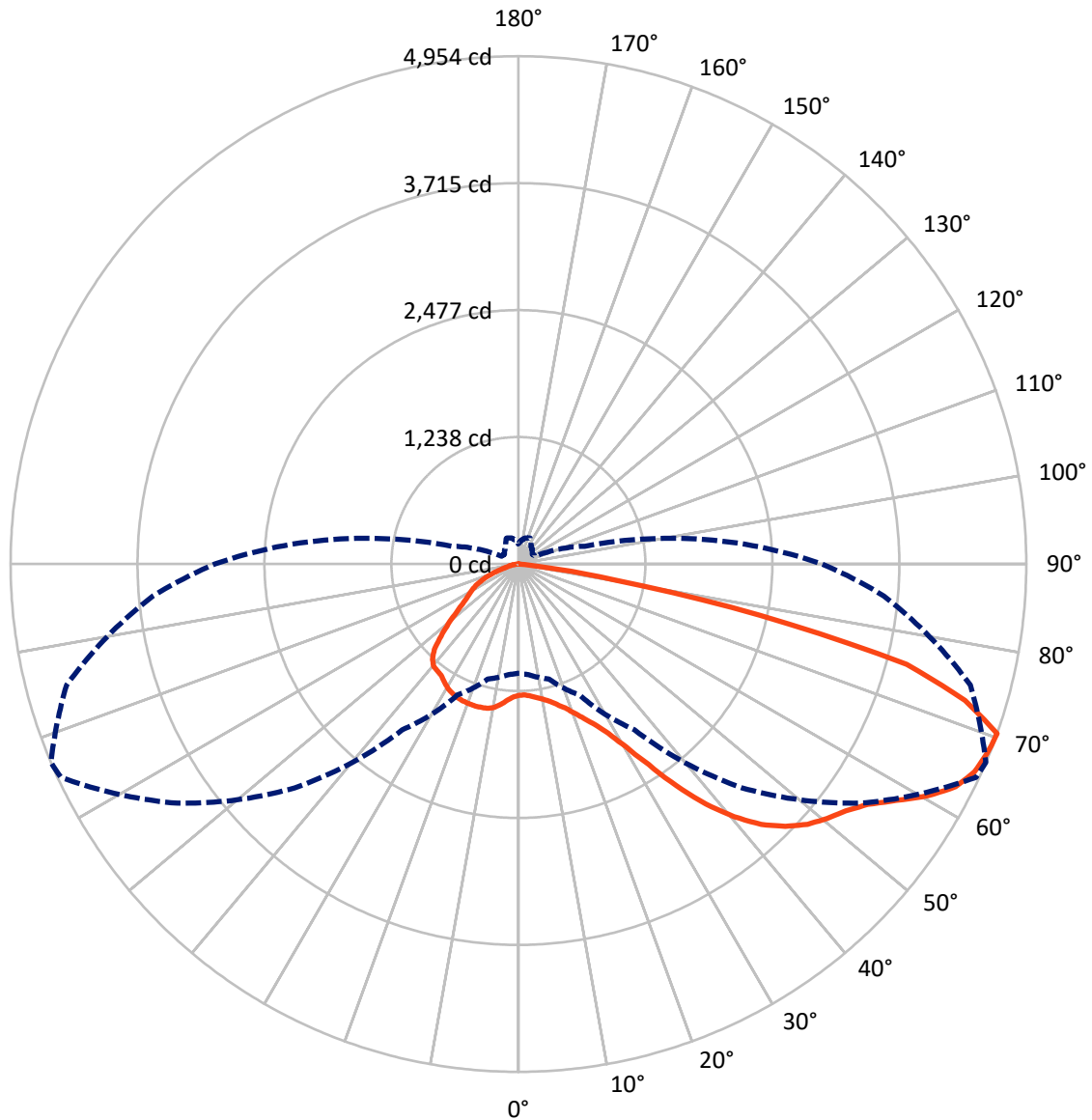
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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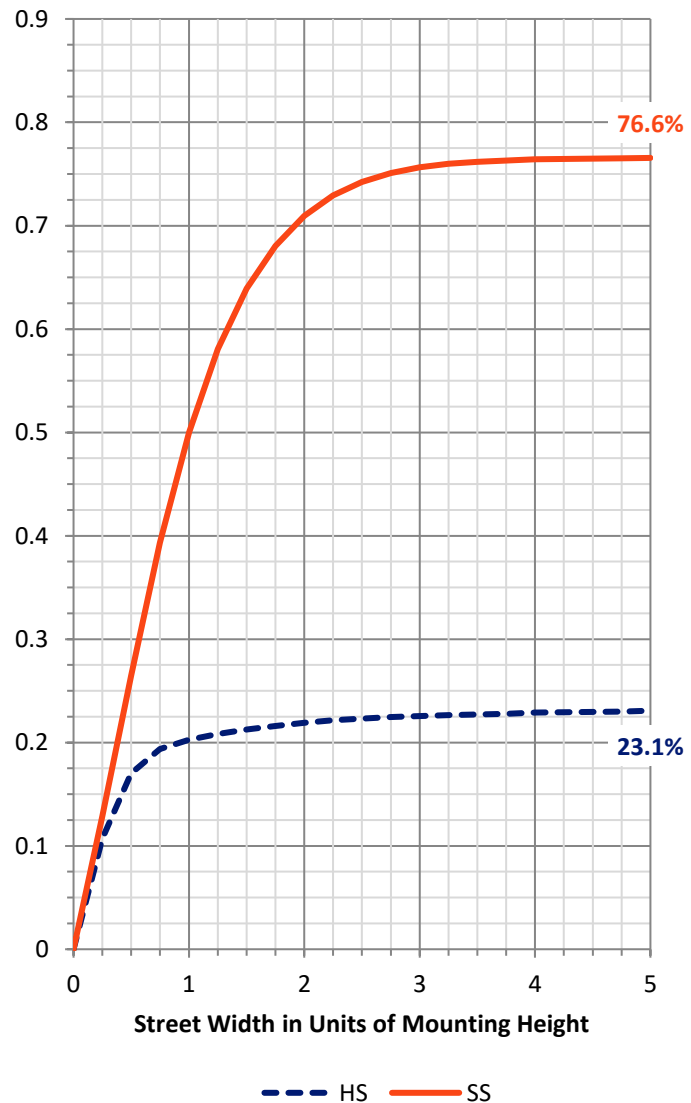
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2065.3	0.0	2065.3
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	6761.7	0.0	6761.7
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	8827.0	0.0	8827.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.0	1.5
10°-20°	418.4	4.7
20°-30°	737.9	8.4
30°-40°	1131.2	12.8
40°-50°	1541.9	17.5
50°-60°	1824.5	20.7
60°-70°	1902.1	21.5
70°-80°	1064.0	12.1
80°-90°	77.0	0.9
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°	8827.0	100.0
0°-180°	8827.0	100.0



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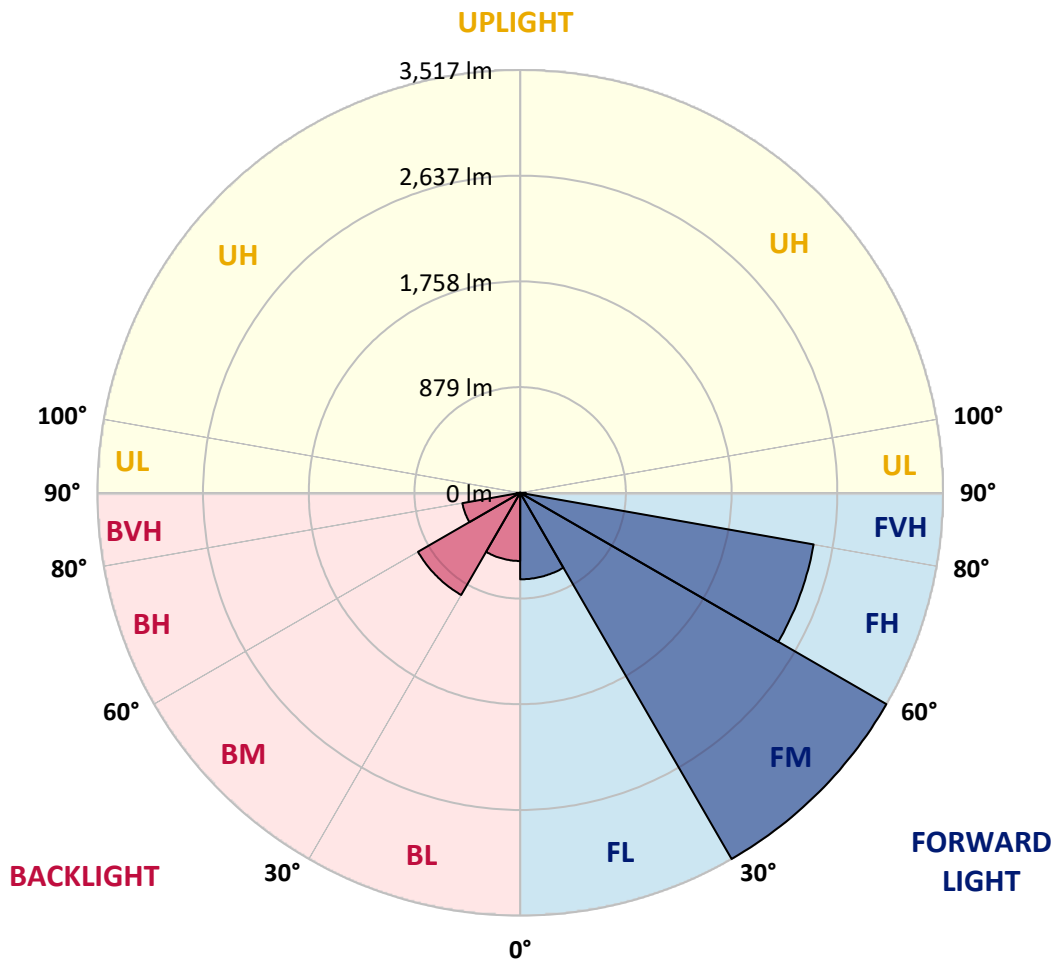
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	719.5	8.2			
FM (30°-60°)	3516.6	39.8			
FH (60°-80°)	2478.5	28.1			G2/5000
FVH (80°-90°)	47.2	0.5			G1/100
BL (0°-30°)	566.9	6.4	B2/1000		
BM (30°-60°)	980.9	11.1	B1/1000		
BH (60°-80°)	487.7	5.5	B1/500		G1/500
BVH (80°-90°)	29.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4
2.5°	1285.4	1285.4	1285.4	1282.9	1282.9	1282.9	1280.4	1277.9	1277.9	1280.4	1280.4
5°	1318.0	1318.0	1315.4	1312.9	1307.9	1302.9	1297.9	1295.4	1295.4	1295.4	1297.9
7.5°	1363.1	1360.5	1355.5	1353.0	1345.5	1338.0	1328.0	1318.0	1318.0	1312.9	1318.0
10°	1418.2	1418.2	1410.7	1405.6	1395.6	1375.6	1360.5	1345.5	1343.0	1338.0	1345.5
12.5°	1488.3	1488.3	1483.3	1470.8	1455.8	1430.7	1403.1	1378.1	1375.6	1368.1	1383.1
15°	1573.5	1566.0	1563.5	1553.5	1525.9	1493.3	1455.8	1423.2	1423.2	1410.7	1428.2
17.5°	1668.7	1666.2	1663.7	1651.2	1618.6	1571.0	1520.9	1483.3	1475.8	1468.3	1478.3
20°	1784.0	1781.5	1779.0	1758.9	1721.4	1663.7	1603.6	1553.5	1548.5	1541.0	1533.4
22.5°	1916.8	1916.8	1906.8	1891.7	1839.1	1771.5	1698.8	1636.2	1636.2	1628.6	1593.6
25°	2044.6	2039.6	2034.6	2017.0	1974.4	1901.8	1816.6	1743.9	1733.9	1733.9	1673.7
27.5°	2162.3	2162.3	2169.9	2159.8	2117.2	2042.1	1956.9	1874.2	1869.2	1859.2	1766.5
30°	2285.1	2290.1	2292.6	2292.6	2272.6	2215.0	2122.3	2059.6	2069.6	2044.6	1904.3
32.5°	2377.8	2382.8	2415.4	2445.5	2427.9	2395.4	2342.7	2322.7	2332.7	2352.8	2199.9
35°	2465.5	2473.0	2518.1	2580.8	2608.3	2593.3	2600.8	2635.9	2658.5	2738.6	2605.8
37.5°	2530.7	2538.2	2578.3	2656.0	2738.6	2781.2	2851.4	2929.1	2971.7	3074.4	2884.0
40°	2548.2	2560.7	2643.4	2748.7	2873.9	3001.7	3086.9	3187.1	3239.8	3287.4	3071.9
42.5°	2488.1	2500.6	2608.3	2828.8	3004.2	3199.7	3292.4	3430.2	3472.8	3445.2	3217.2
45°	2450.5	2458.0	2568.3	2821.3	3117.0	3390.1	3480.3	3625.6	3650.7	3583.0	3342.5
47.5°	2397.9	2405.4	2523.2	2808.8	3207.2	3555.5	3618.1	3760.9	3793.5	3698.3	3437.7
50°	2320.2	2330.2	2465.5	2786.2	3267.3	3668.2	3735.9	3883.7	3901.2	3801.0	3537.9
52.5°	2227.5	2242.5	2385.3	2738.6	3307.4	3740.9	3828.6	3981.4	3999.0	3933.8	3645.7
55°	2114.7	2129.8	2282.6	2668.5	3294.9	3763.4	3868.7	4106.7	4136.8	4084.1	3738.4
57.5°	2004.5	2014.5	2172.4	2565.7	3224.7	3798.5	3988.9	4309.7	4349.7	4239.5	3813.5
60°	1871.7	1894.2	2047.1	2425.4	3117.0	3833.6	4144.3	4552.7	4590.3	4389.8	3871.2
62.5°	1733.9	1753.9	1889.2	2250.0	2949.1	3801.0	4262.0	4763.2	4785.7	4510.1	3891.2
65°	1573.5	1576.0	1701.3	2027.0	2708.6	3668.2	4272.1	4865.9	4888.5	4585.3	3856.1
67.5°	1360.5	1360.5	1465.8	1743.9	2385.3	3427.7	4181.9	4898.5	4931.0	4635.4	3770.9
70°	1064.9	1082.4	1162.6	1410.7	1974.4	3086.9	4066.6	4923.5	4953.6	4562.7	3578.0
72.5°	744.2	739.2	821.8	972.2	1428.2	2463.0	3628.1	4555.2	4555.2	4191.9	3224.7
75°	228.0	255.6	293.2	393.4	651.5	1651.2	2971.7	3861.2	3911.3	3630.6	2658.5
77.5°	75.2	75.2	87.7	107.7	140.3	350.8	1485.8	2365.3	2405.4	2362.8	1646.2
80°	60.1	60.1	67.7	77.7	90.2	180.4	523.7	887.0	952.1	1049.9	681.5
82.5°	42.6	42.6	45.1	47.6	45.1	72.7	137.8	235.5	240.5	260.6	220.5
85°	27.6	25.1	25.1	22.6	20.0	20.0	17.5	17.5	20.0	20.0	25.1
87.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.5	7.5	7.5	7.5
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°	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4
2.5°	1282.9	1285.4	1292.9	1297.9	1302.9	1307.9	1310.4	1312.9	1312.9	1315.4	1315.4
5°	1300.4	1305.4	1318.0	1330.5	1350.5	1370.6	1388.1	1398.1	1400.6	1410.7	1410.7
7.5°	1323.0	1330.5	1360.5	1383.1	1413.2	1435.7	1455.8	1465.8	1475.8	1480.8	1480.8
10°	1358.0	1368.1	1398.1	1423.2	1448.2	1465.8	1478.3	1485.8	1488.3	1490.8	1490.8
12.5°	1393.1	1405.6	1423.2	1443.2	1458.3	1468.3	1475.8	1478.3	1478.3	1478.3	1478.3
15°	1430.7	1435.7	1440.7	1445.7	1453.3	1455.8	1455.8	1453.3	1448.2	1445.7	1445.7
17.5°	1468.3	1463.3	1455.8	1445.7	1435.7	1428.2	1418.2	1408.2	1400.6	1395.6	1398.1
20°	1513.4	1498.4	1465.8	1440.7	1413.2	1385.6	1363.1	1343.0	1328.0	1325.5	1328.0
22.5°	1566.0	1535.9	1483.3	1430.7	1383.1	1333.0	1285.4	1257.8	1242.8	1230.3	1230.3
25°	1628.6	1581.0	1498.4	1415.7	1340.5	1260.3	1195.2	1152.6	1127.5	1112.5	1117.5
27.5°	1701.3	1641.2	1513.4	1393.1	1277.9	1172.6	1087.4	1019.8	992.2	972.2	974.7
30°	1806.5	1711.3	1530.9	1360.5	1197.7	1064.9	952.1	872.0	824.3	809.3	814.3
32.5°	2042.1	1861.7	1551.0	1312.9	1107.5	937.1	786.8	689.0	638.9	638.9	636.4
35°	2435.5	2174.9	1598.6	1255.3	1007.3	794.3	601.3	511.1	508.6	518.7	521.2
37.5°	2711.1	2463.0	1746.4	1200.2	897.0	621.4	446.0	420.9	446.0	456.0	453.5
40°	2889.0	2635.9	1916.8	1142.6	741.7	446.0	353.3	335.8	360.8	380.9	395.9
42.5°	3034.3	2756.2	1994.5	1067.4	553.7	320.7	260.6	255.6	293.2	320.7	330.7
45°	3149.6	2866.4	2004.5	962.2	375.8	238.0	213.0	235.5	280.6	303.2	305.7
47.5°	3242.3	2956.6	1976.9	794.3	250.6	208.0	208.0	238.0	280.6	303.2	303.2
50°	3332.5	3031.8	1906.8	646.4	225.5	203.0	210.5	240.5	278.1	295.7	295.7
52.5°	3407.6	3081.9	1784.0	516.2	218.0	197.9	210.5	240.5	273.1	280.6	275.6
55°	3475.3	3101.9	1673.7	415.9	210.5	195.4	215.5	245.6	270.6	270.6	260.6
57.5°	3512.9	3054.3	1591.1	343.3	203.0	195.4	218.0	250.6	278.1	283.1	275.6
60°	3512.9	2986.7	1500.9	303.2	197.9	195.4	218.0	268.1	330.7	305.7	303.2
62.5°	3465.3	2914.0	1365.6	270.6	190.4	197.9	220.5	298.2	403.4	303.2	290.7
65°	3382.6	2773.7	1187.7	240.5	182.9	200.4	218.0	343.3	481.1	293.2	258.1
67.5°	3227.2	2550.7	967.2	210.5	172.9	195.4	213.0	315.7	295.7	243.0	218.0
70°	2959.1	2217.5	671.5	182.9	165.4	190.4	213.0	278.1	263.1	223.0	195.4
72.5°	2560.7	1819.1	360.8	150.3	145.3	180.4	208.0	255.6	225.5	182.9	165.4
75°	1966.9	1292.9	220.5	117.8	120.3	160.4	192.9	243.0	215.5	175.4	152.8
77.5°	1135.0	598.8	157.9	87.7	85.2	127.8	172.9	225.5	210.5	170.4	147.8
80°	415.9	248.1	107.7	65.1	57.6	92.7	135.3	182.9	200.4	167.9	150.3
82.5°	177.9	132.8	70.2	45.1	42.6	52.6	82.7	127.8	167.9	135.3	125.3
85°	25.1	25.1	25.1	22.6	25.1	32.6	35.1	62.6	92.7	50.1	50.1
87.5°	10.0	10.0	10.0	10.0	12.5	12.5	10.0	10.0	7.5	7.5	7.5
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)