

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: P507656

Luminaire Tested: **VERD-S-CA1-60-760-U-T2-HSS**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-S-CA1-60-760-U-T2-HSS  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 1150mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8032 lumens  
Efficiency: N/A  
Efficacy: 126.9 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

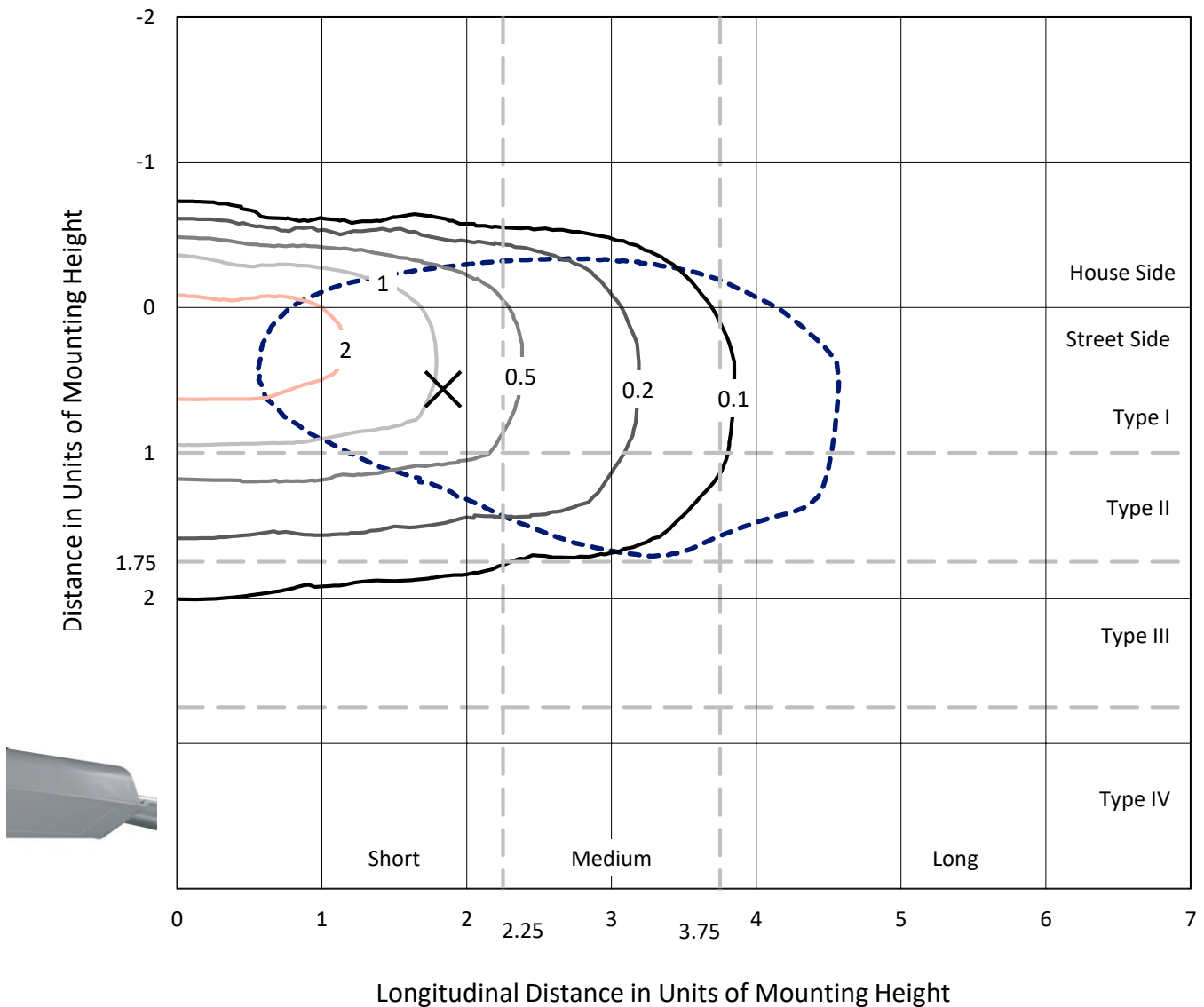
Input Watts (W): 63.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P507656  
 CATALOG NUMBER: VERD-S-CA1-60-760-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

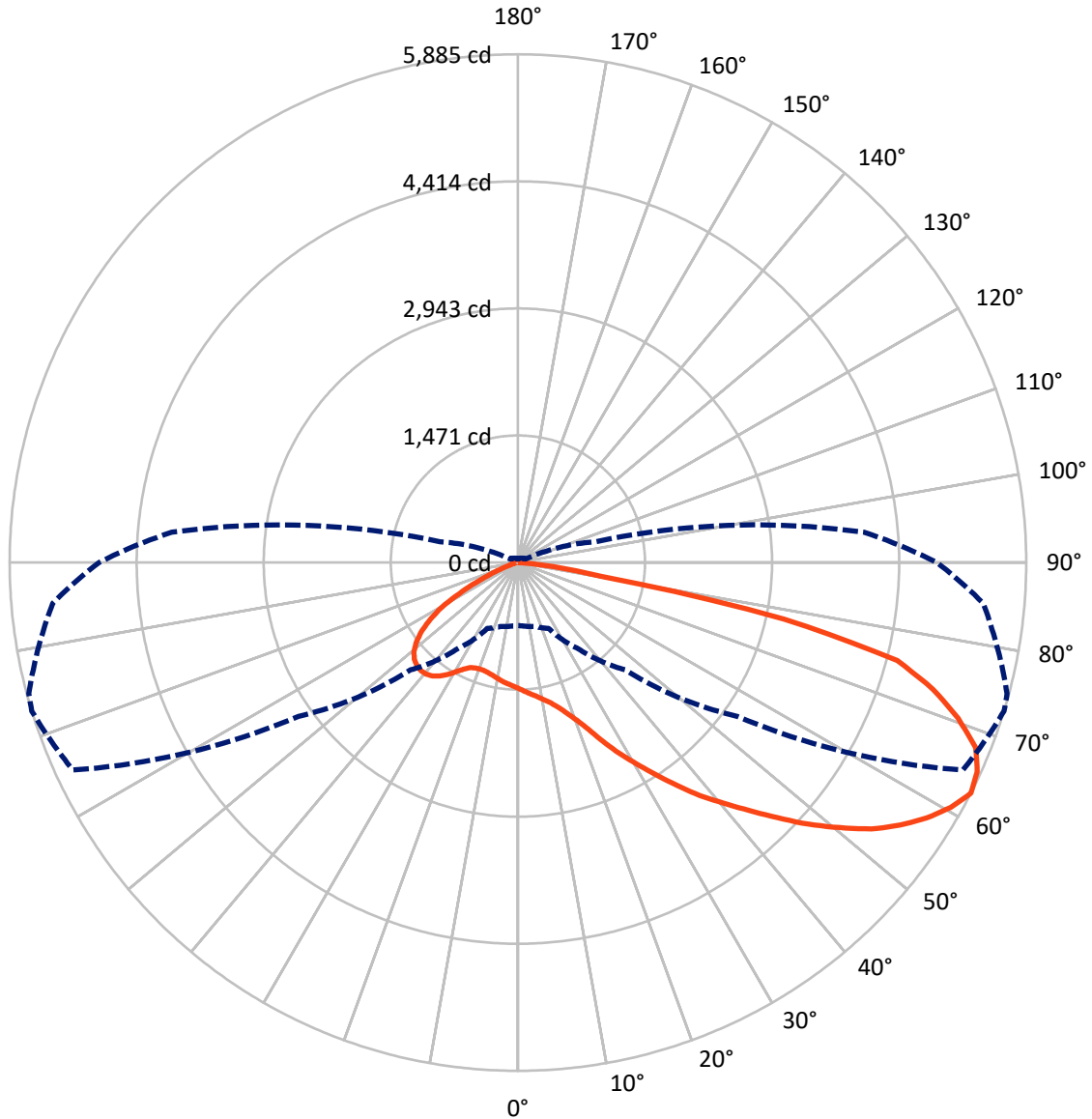
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P507656  
CATALOG NUMBER: VERD-S-CA1-60-760-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P507656

CATALOG NUMBER: VERD-S-CA1-60-760-U-T2-HSS

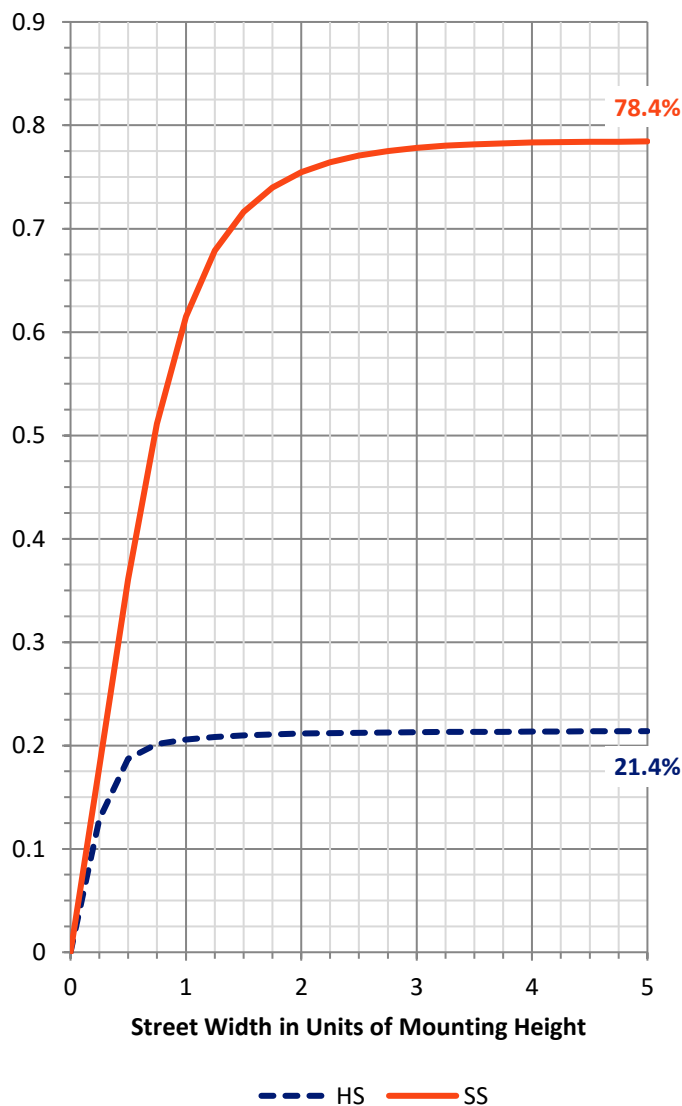
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1739.8	0.0	1739.8
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6292.2	0.0	6292.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8032.0	0.0	8032.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.5	1.7
10°-20°	420.1	5.2
20°-30°	726.6	9.0
30°-40°	1067.1	13.3
40°-50°	1387.1	17.3
50°-60°	1608.2	20.0
60°-70°	1618.5	20.2
70°-80°	986.3	12.3
80°-90°	78.6	1.0
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°	8032.0	100.0
0°-180°	8032.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P507656

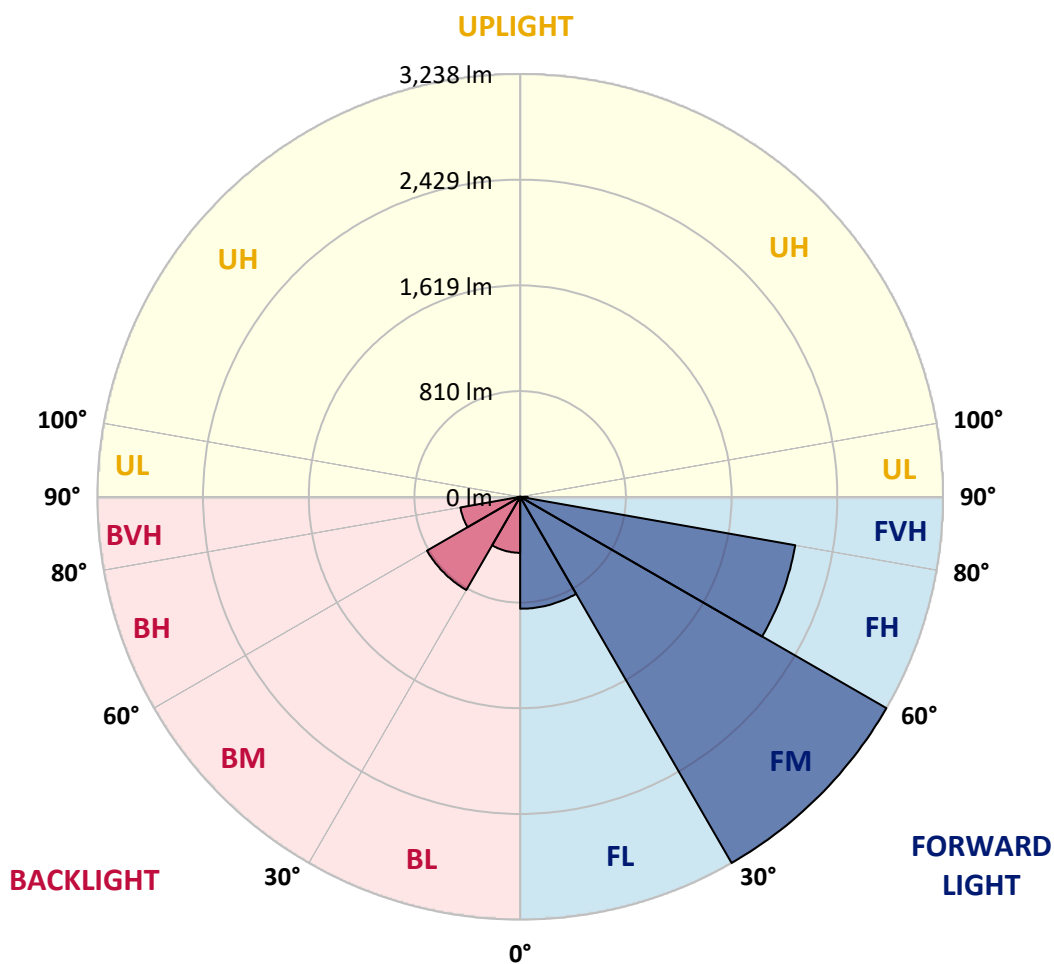
CATALOG NUMBER: VERD-S-CA1-60-760-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	857.3	10.7			
FM (30°-60°)	3238.3	40.3			
FH (60°-80°)	2139.5	26.6			G2/5000
FVH (80°-90°)	57.1	0.7			G1/100
BL (0°-30°)	428.9	5.3	B1/500		
BM (30°-60°)	824.1	10.3	B1/1000		
BH (60°-80°)	465.3	5.8	B1/500		G1/500
BVH (80°-90°)	21.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





REPORT NUMBER: P507656

CATALOG NUMBER: VERD-S-CA1-60-760-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1
2.5°	1557.2	1557.2	1554.7	1552.3	1542.5	1532.6	1517.9	1505.7	1493.4	1488.5	1468.9
5°	1647.9	1647.9	1645.4	1635.6	1623.4	1606.2	1581.7	1549.8	1527.7	1525.3	1491.0
7.5°	1723.9	1721.5	1719.0	1714.1	1701.9	1679.8	1643.0	1601.3	1564.5	1554.7	1513.0
10°	1797.5	1799.9	1795.0	1782.8	1768.1	1741.1	1704.3	1655.3	1611.1	1596.4	1532.6
12.5°	1876.0	1873.5	1866.2	1851.4	1831.8	1809.7	1770.5	1721.5	1662.6	1647.9	1564.5
15°	1942.2	1944.6	1932.4	1922.6	1902.9	1878.4	1844.1	1795.0	1736.2	1719.0	1611.1
17.5°	2001.0	2001.0	1998.6	1993.7	1979.0	1961.8	1927.5	1893.1	1831.8	1804.8	1682.2
20°	2045.2	2047.6	2052.5	2062.3	2064.8	2050.1	2032.9	2008.4	1949.5	1922.6	1770.5
22.5°	2084.4	2089.3	2108.9	2138.3	2162.9	2162.9	2160.4	2158.0	2099.1	2081.9	1900.5
25°	2094.2	2101.6	2145.7	2209.5	2248.7	2280.6	2324.7	2341.9	2297.7	2268.3	2069.7
27.5°	2108.9	2116.3	2165.3	2241.3	2339.4	2410.5	2489.0	2533.2	2501.3	2471.9	2263.4
30°	2096.7	2106.5	2160.4	2268.3	2398.3	2547.9	2646.0	2712.2	2702.4	2685.2	2464.5
32.5°	2064.8	2074.6	2138.3	2270.8	2469.4	2687.6	2798.0	2901.0	2928.0	2913.3	2675.4
35°	2001.0	2010.8	2089.3	2251.2	2503.7	2793.1	2950.0	3102.1	3163.4	3153.6	2905.9
37.5°	1920.1	1920.1	2013.3	2192.3	2516.0	2874.0	3084.9	3303.2	3423.3	3408.6	3138.9
40°	1785.2	1809.7	1925.0	2128.5	2496.4	2932.9	3214.9	3511.6	3661.2	3653.8	3391.4
42.5°	1650.4	1670.0	1780.3	2018.2	2449.8	2967.2	3322.8	3729.8	3923.6	3918.7	3634.2
45°	1530.2	1544.9	1635.6	1866.2	2351.7	2977.0	3425.8	3962.8	4212.9	4203.1	3881.9
47.5°	1375.7	1405.1	1520.4	1723.9	2216.8	2947.6	3521.4	4254.6	4526.8	4517.0	4149.2
50°	1042.2	1061.8	1302.1	1608.7	2042.7	2874.0	3599.9	4541.5	4823.5	4803.9	4392.0
52.5°	946.6	958.8	1034.8	1466.4	1880.9	2741.6	3648.9	4884.9	5125.2	5093.3	4642.1
55°	885.3	895.1	939.2	1174.6	1738.6	2518.4	3663.6	5208.5	5367.9	5336.1	4872.6
57.5°	831.3	836.2	880.4	1000.5	1569.4	2236.4	3612.1	5448.9	5581.3	5547.0	5071.2
60°	774.9	782.3	824.0	912.2	1365.9	1976.5	3452.7	5640.1	5757.8	5728.4	5245.3
62.5°	728.3	738.1	765.1	841.1	1218.8	1755.8	3104.5	5684.3	5885.4	5863.3	5407.2
65°	671.9	679.3	713.6	777.4	1066.7	1618.5	2751.4	5554.3	5843.7	5870.6	5497.9
67.5°	605.7	613.1	642.5	691.5	895.1	1473.8	2442.4	5370.4	5716.2	5752.9	5431.7
70°	524.8	529.7	559.1	605.7	743.0	1285.0	2118.7	5100.6	5407.2	5434.2	5169.3
72.5°	436.5	436.5	458.6	512.5	610.6	1064.3	1699.4	4531.7	5029.5	5095.7	4725.5
75°	183.9	193.7	233.0	282.0	389.9	777.4	1162.4	3489.5	4536.6	4593.0	4173.7
77.5°	36.8	39.2	44.1	66.2	103.0	338.4	360.5	1522.8	3148.7	3185.5	3048.1
80°	29.4	29.4	31.9	49.0	68.7	156.9	117.7	497.8	980.9	1262.9	1628.3
82.5°	9.8	12.3	17.2	27.0	34.3	34.3	39.2	250.1	485.5	522.3	657.2
85°	4.9	4.9	7.4	9.8	9.8	9.8	9.8	44.1	83.4	100.5	139.8
87.5°	2.5	0.0	0.0	0.0	0.0	0.0	2.5	4.9	7.4	7.4	9.8
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: P507656

CATALOG NUMBER: VERD-S-CA1-60-760-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1	1459.1
2.5°	1459.1	1451.7	1434.6	1422.3	1405.1	1390.4	1373.3	1363.4	1358.5	1356.1	1351.2
5°	1471.3	1451.7	1417.4	1380.6	1348.7	1324.2	1289.9	1272.7	1262.9	1258.0	1255.5
7.5°	1486.1	1461.5	1402.7	1346.3	1289.9	1248.2	1206.5	1179.5	1167.3	1164.8	1162.4
10°	1495.9	1456.6	1378.2	1316.8	1243.3	1177.1	1128.0	1096.1	1079.0	1076.5	1074.1
12.5°	1515.5	1464.0	1358.5	1270.3	1194.2	1108.4	1056.9	1020.1	1003.0	988.3	988.3
15°	1547.4	1481.1	1348.7	1231.0	1130.5	1047.1	980.9	941.7	929.4	909.8	904.9
17.5°	1601.3	1513.0	1341.4	1191.8	1071.6	988.3	909.8	868.1	860.7	843.6	833.8
20°	1667.5	1559.6	1346.3	1155.0	1010.3	914.7	836.2	794.5	770.0	755.3	750.4
22.5°	1773.0	1628.3	1363.4	1128.0	956.4	848.5	765.1	698.9	644.9	625.3	625.3
25°	1922.6	1746.0	1392.9	1106.0	902.4	784.7	681.7	568.9	497.8	470.8	463.5
27.5°	2091.8	1895.6	1461.5	1086.3	858.3	713.6	561.6	436.5	360.5	336.0	336.0
30°	2285.5	2052.5	1544.9	1074.1	804.3	605.7	424.2	318.8	257.5	230.5	228.1
32.5°	2476.8	2214.4	1643.0	1064.3	747.9	473.3	306.5	233.0	181.5	161.8	164.3
35°	2668.0	2373.8	1726.4	1064.3	654.7	340.9	218.2	161.8	130.0	120.2	120.2
37.5°	2883.8	2552.8	1792.6	1049.6	515.0	242.8	149.6	117.7	107.9	103.0	103.0
40°	3107.0	2719.5	1836.7	1017.7	367.8	166.8	105.4	103.0	98.1	90.7	88.3
42.5°	3315.4	2910.8	1863.7	956.4	240.3	110.4	93.2	95.6	93.2	80.9	78.5
45°	3536.1	3065.3	1878.4	833.8	159.4	90.7	83.4	88.3	90.7	80.9	78.5
47.5°	3756.8	3234.5	1888.2	649.8	105.4	88.3	78.5	85.8	88.3	78.5	76.0
50°	3989.8	3389.0	1873.5	416.9	93.2	83.4	76.0	78.5	83.4	78.5	76.0
52.5°	4193.3	3528.8	1804.8	233.0	90.7	80.9	71.1	73.6	80.9	76.0	76.0
55°	4401.8	3666.1	1677.3	137.3	88.3	76.0	71.1	73.6	76.0	71.1	73.6
57.5°	4590.6	3798.5	1486.1	112.8	88.3	73.6	73.6	68.7	68.7	63.8	63.8
60°	4735.3	3918.7	1258.0	105.4	83.4	76.0	68.7	63.8	58.9	53.9	53.9
62.5°	4850.5	4021.7	934.3	98.1	80.9	73.6	63.8	56.4	49.0	44.1	44.1
65°	4914.3	4043.7	659.7	88.3	76.0	71.1	58.9	49.0	39.2	36.8	36.8
67.5°	4840.7	3928.5	402.2	83.4	71.1	68.7	56.4	44.1	34.3	31.9	31.9
70°	4558.7	3619.5	225.6	76.0	63.8	61.3	51.5	39.2	31.9	27.0	27.0
72.5°	4092.8	3165.8	112.8	63.8	53.9	53.9	46.6	34.3	29.4	24.5	24.5
75°	3457.7	2596.9	80.9	46.6	44.1	44.1	39.2	31.9	27.0	22.1	22.1
77.5°	2533.2	1711.7	66.2	39.2	31.9	31.9	34.3	29.4	24.5	19.6	19.6
80°	1311.9	848.5	56.4	29.4	27.0	24.5	24.5	24.5	19.6	17.2	17.2
82.5°	581.2	326.1	36.8	22.1	22.1	19.6	19.6	19.6	17.2	14.7	14.7
85°	112.8	61.3	19.6	17.2	14.7	14.7	14.7	12.3	12.3	12.3	12.3
87.5°	9.8	9.8	9.8	9.8	9.8	7.4	7.4	7.4	7.4	7.4	7.4
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)