

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: P507659

Luminaire Tested: **VERD-S-CA1-60-760-U-T3**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507659  
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-CA1-60-760-U-T3  
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 5700K, 1150mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8640 lumens  
Efficiency: N/A  
Efficacy: 136.5 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

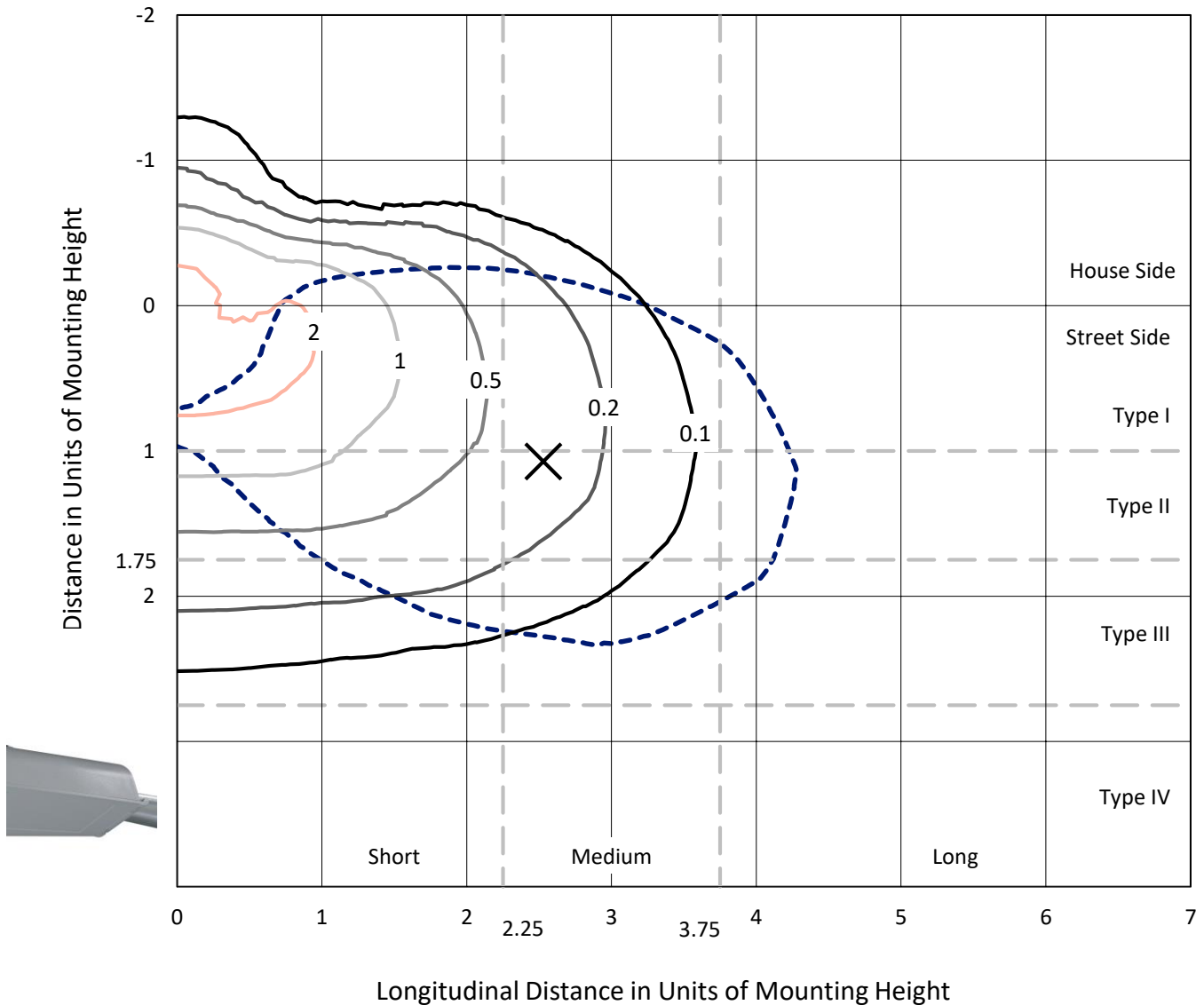


REPORT NUMBER: P507659

CATALOG NUMBER: VERD-S-CA1-60-760-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

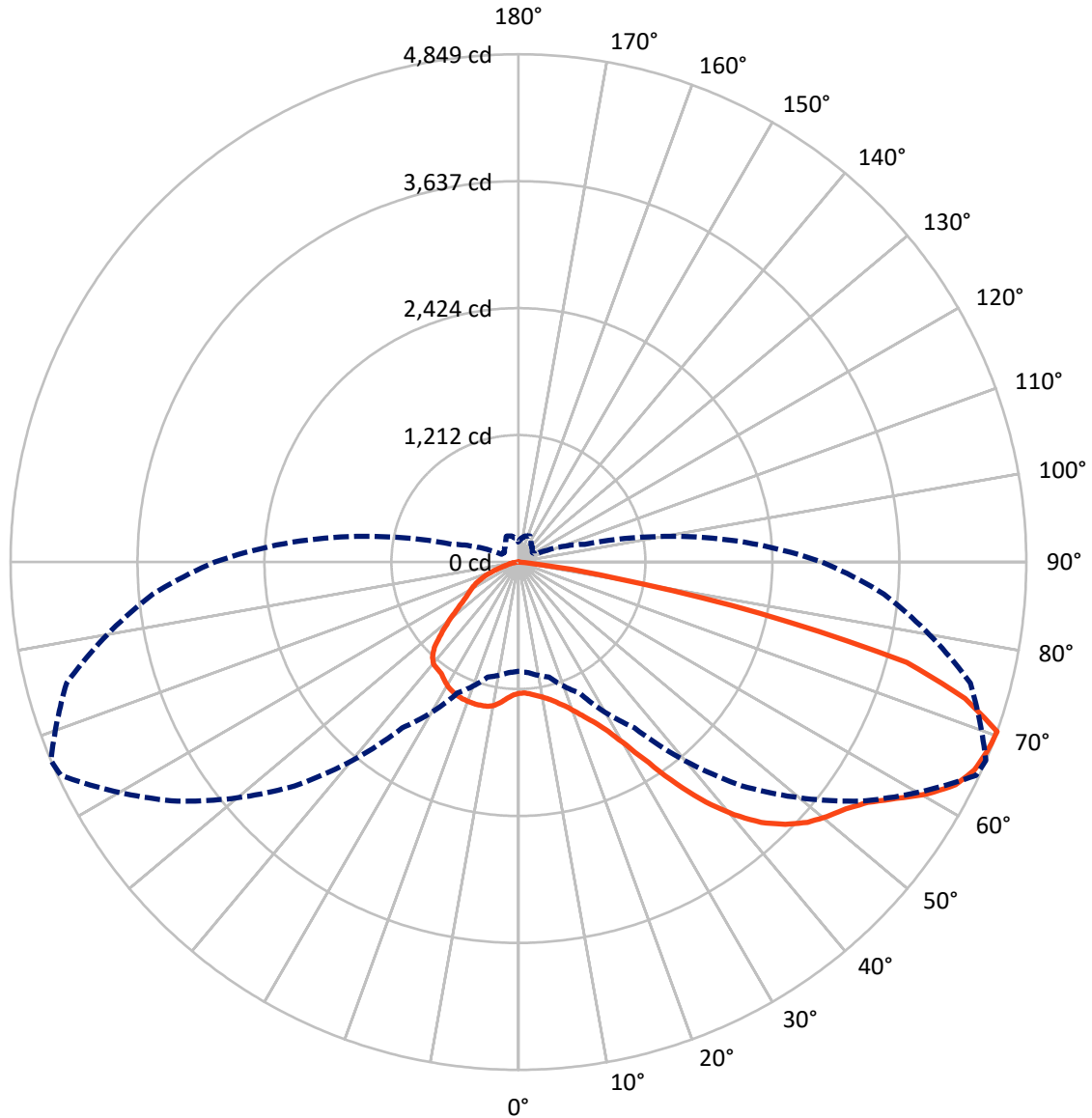
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P507659  
CATALOG NUMBER: VERD-S-CA1-60-760-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P507659

CATALOG NUMBER: VERD-S-CA1-60-760-U-T3

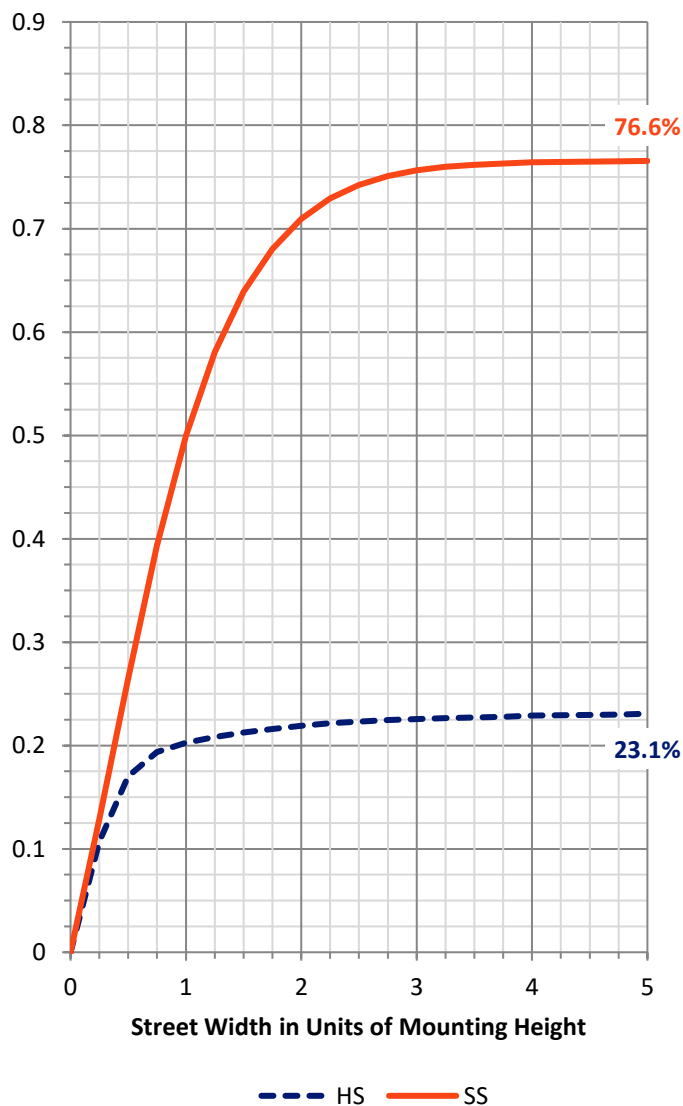
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2021.5	0.0	2021.5
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	6618.5	0.0	6618.5
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	8640.0	0.0	8640.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.2	1.5
10°-20°	409.6	4.7
20°-30°	722.3	8.4
30°-40°	1107.2	12.8
40°-50°	1509.2	17.5
50°-60°	1785.9	20.7
60°-70°	1861.8	21.5
70°-80°	1041.5	12.1
80°-90°	75.4	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°	8640.0	100.0
0°-180°	8640.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P507659

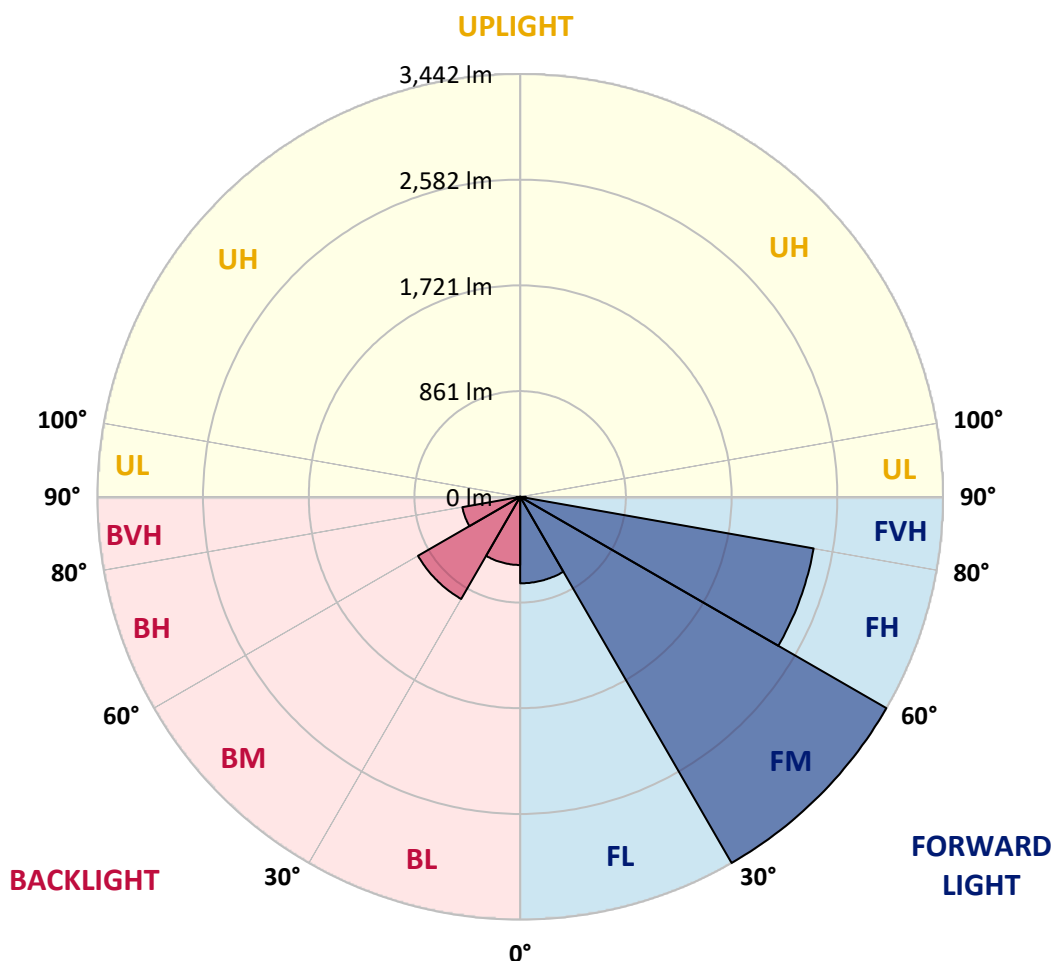
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.2	8.2			
FM	(30°-60°)	3442.1	39.8			
FH	(60°-80°)	2426.0	28.1			G2/5000
FVH	(80°-90°)	46.2	0.5			G1/100
BL	(0°-30°)	554.9	6.4	B2/1000		
BM	(30°-60°)	960.1	11.1	B1/1000		
BH	(60°-80°)	477.3	5.5	B1/500		G1/500
BVH	(80°-90°)	29.2	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





REPORT NUMBER: P507659

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2
2.5°	1258.1	1258.1	1258.1	1255.7	1255.7	1255.7	1253.2	1250.8	1250.8	1253.2	1253.2
5°	1290.0	1290.0	1287.6	1285.1	1280.2	1275.3	1270.4	1268.0	1268.0	1268.0	1270.4
7.5°	1334.2	1331.7	1326.8	1324.4	1317.0	1309.7	1299.8	1290.0	1290.0	1285.1	1290.0
10°	1388.1	1388.1	1380.8	1375.9	1366.1	1346.4	1331.7	1317.0	1314.6	1309.7	1317.0
12.5°	1456.8	1456.8	1451.9	1439.6	1424.9	1400.4	1373.4	1348.9	1346.4	1339.1	1353.8
15°	1540.2	1532.8	1530.4	1520.6	1493.6	1461.7	1424.9	1393.0	1393.0	1380.8	1397.9
17.5°	1633.4	1630.9	1628.5	1616.2	1584.3	1537.7	1488.7	1451.9	1444.5	1437.2	1447.0
20°	1746.2	1743.8	1741.3	1721.7	1684.9	1628.5	1569.6	1520.6	1515.7	1508.3	1500.9
22.5°	1876.2	1876.2	1866.4	1851.7	1800.2	1733.9	1662.8	1601.5	1601.5	1594.1	1559.8
25°	2001.3	1996.4	1991.5	1974.3	1932.6	1861.5	1778.1	1707.0	1697.2	1697.2	1638.3
27.5°	2116.5	2116.5	2123.9	2114.1	2072.4	1998.8	1915.4	1834.5	1829.6	1819.8	1729.0
30°	2236.7	2241.6	2244.1	2244.1	2224.4	2168.0	2077.3	2016.0	2025.8	2001.3	1863.9
32.5°	2327.5	2332.4	2364.2	2393.7	2376.5	2344.6	2293.1	2273.5	2283.3	2302.9	2153.3
35°	2413.3	2420.6	2464.8	2526.1	2553.1	2538.4	2545.7	2580.1	2602.1	2680.6	2550.6
37.5°	2477.1	2484.4	2523.7	2599.7	2680.6	2722.3	2791.0	2867.0	2908.7	3009.3	2822.9
40°	2494.2	2506.5	2587.4	2690.4	2813.1	2938.1	3021.5	3119.6	3171.1	3217.7	3006.8
42.5°	2435.4	2447.6	2553.1	2768.9	2940.6	3131.9	3222.6	3357.5	3399.2	3372.2	3149.1
45°	2398.6	2405.9	2513.8	2761.6	3050.9	3318.3	3406.6	3548.8	3573.3	3507.1	3271.7
47.5°	2347.1	2354.4	2469.7	2749.3	3139.2	3480.1	3541.5	3681.3	3713.1	3619.9	3364.9
50°	2271.0	2280.9	2413.3	2727.2	3198.1	3590.5	3656.7	3801.4	3818.6	3720.5	3463.0
52.5°	2180.3	2195.0	2334.8	2680.6	3237.3	3661.6	3747.5	3897.1	3914.2	3850.5	3568.4
55°	2069.9	2084.7	2234.3	2611.9	3225.1	3683.7	3786.7	4019.7	4049.1	3997.6	3659.2
57.5°	1962.0	1971.8	2126.3	2511.4	3156.4	3718.0	3904.4	4218.4	4257.6	4149.7	3732.8
60°	1832.0	1854.1	2003.7	2374.1	3050.9	3752.4	4056.5	4456.3	4493.0	4296.8	3789.2
62.5°	1697.2	1716.8	1849.2	2202.4	2886.6	3720.5	4171.8	4662.3	4684.3	4414.6	3808.8
65°	1540.2	1542.6	1665.3	1984.1	2651.2	3590.5	4181.6	4762.8	4784.9	4488.1	3774.4
67.5°	1331.7	1331.7	1434.7	1707.0	2334.8	3355.1	4093.3	4794.7	4826.6	4537.2	3691.1
70°	1042.3	1059.5	1138.0	1380.8	1932.6	3021.5	3980.5	4819.2	4848.7	4466.1	3502.2
72.5°	728.4	723.5	804.4	951.6	1397.9	2410.8	3551.3	4458.7	4458.7	4103.1	3156.4
75°	223.2	250.2	286.9	385.0	637.7	1616.2	2908.7	3779.4	3828.4	3553.7	2602.1
77.5°	73.6	73.6	85.8	105.5	137.3	343.4	1454.4	2315.2	2354.4	2312.7	1611.3
80°	58.9	58.9	66.2	76.0	88.3	176.6	512.6	868.2	932.0	1027.6	667.1
82.5°	41.7	41.7	44.1	46.6	44.1	71.1	134.9	230.5	235.4	255.1	215.8
85°	27.0	24.5	24.5	22.1	19.6	19.6	17.2	17.2	19.6	19.6	24.5
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	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



REPORT NUMBER: P507659  
 CATALOG NUMBER: VERD-S-CA1-60-760-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2	1253.2
2.5°	1255.7	1258.1	1265.5	1270.4	1275.3	1280.2	1282.7	1285.1	1285.1	1287.6	1287.6
5°	1272.9	1277.8	1290.0	1302.3	1321.9	1341.5	1358.7	1368.5	1371.0	1380.8	1380.8
7.5°	1294.9	1302.3	1331.7	1353.8	1383.2	1405.3	1424.9	1434.7	1444.5	1449.4	1449.4
10°	1329.3	1339.1	1368.5	1393.0	1417.6	1434.7	1447.0	1454.4	1456.8	1459.3	1459.3
12.5°	1363.6	1375.9	1393.0	1412.7	1427.4	1437.2	1444.5	1447.0	1447.0	1447.0	1447.0
15°	1400.4	1405.3	1410.2	1415.1	1422.5	1424.9	1424.9	1422.5	1417.6	1415.1	1415.1
17.5°	1437.2	1432.3	1424.9	1415.1	1405.3	1397.9	1388.1	1378.3	1371.0	1366.1	1368.5
20°	1481.3	1466.6	1434.7	1410.2	1383.2	1356.3	1334.2	1314.6	1299.8	1297.4	1299.8
22.5°	1532.8	1503.4	1451.9	1400.4	1353.8	1304.7	1258.1	1231.2	1216.5	1204.2	1204.2
25°	1594.1	1547.5	1466.6	1385.7	1312.1	1233.6	1169.9	1128.2	1103.6	1088.9	1093.8
27.5°	1665.3	1606.4	1481.3	1363.6	1250.8	1147.8	1064.4	998.2	971.2	951.6	954.0
30°	1768.3	1675.1	1498.5	1331.7	1172.3	1042.3	932.0	853.5	806.9	792.2	797.1
32.5°	1998.8	1822.2	1518.1	1285.1	1084.0	917.2	770.1	674.4	625.4	625.4	622.9
35°	2383.9	2128.8	1564.7	1228.7	985.9	777.5	588.6	500.3	497.9	507.7	510.1
37.5°	2653.6	2410.8	1709.4	1174.8	878.0	608.2	436.6	412.0	436.6	446.4	443.9
40°	2827.8	2580.1	1876.2	1118.4	725.9	436.6	345.8	328.6	353.2	372.8	387.5
42.5°	2970.0	2697.8	1952.2	1044.8	542.0	313.9	255.1	250.2	286.9	313.9	323.7
45°	3082.8	2805.7	1962.0	941.8	367.9	233.0	208.5	230.5	274.7	296.8	299.2
47.5°	3173.6	2894.0	1935.0	777.5	245.3	203.6	203.6	233.0	274.7	296.8	296.8
50°	3261.9	2967.6	1866.4	632.8	220.7	198.7	206.0	235.4	272.2	289.4	289.4
52.5°	3335.4	3016.6	1746.2	505.2	213.4	193.8	206.0	235.4	267.3	274.7	269.8
55°	3401.7	3036.2	1638.3	407.1	206.0	191.3	210.9	240.3	264.9	264.9	255.1
57.5°	3438.4	2989.6	1557.4	336.0	198.7	191.3	213.4	245.3	272.2	277.1	269.8
60°	3438.4	2923.4	1469.1	296.8	193.8	191.3	213.4	262.4	323.7	299.2	296.8
62.5°	3391.9	2852.3	1336.6	264.9	186.4	193.8	215.8	291.9	394.9	296.8	284.5
65°	3310.9	2715.0	1162.5	235.4	179.0	196.2	213.4	336.0	470.9	286.9	252.6
67.5°	3158.9	2496.7	946.7	206.0	169.2	191.3	208.5	309.0	289.4	237.9	213.4
70°	2896.4	2170.5	657.3	179.0	161.9	186.4	208.5	272.2	257.5	218.3	191.3
72.5°	2506.5	1780.5	353.2	147.2	142.2	176.6	203.6	250.2	220.7	179.0	161.9
75°	1925.2	1265.5	215.8	115.3	117.7	157.0	188.8	237.9	210.9	171.7	149.6
77.5°	1111.0	586.2	154.5	85.8	83.4	125.1	169.2	220.7	206.0	166.8	144.7
80°	407.1	242.8	105.5	63.8	56.4	90.7	132.4	179.0	196.2	164.3	147.2
82.5°	174.1	130.0	68.7	44.1	41.7	51.5	80.9	125.1	164.3	132.4	122.6
85°	24.5	24.5	24.5	22.1	24.5	31.9	34.3	61.3	90.7	49.1	49.1
87.5°	9.8	9.8	9.8	9.8	12.3	12.3	9.8	9.8	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)