

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: INVUE

Report Number: P155433

Luminaire Tested: **VXS-F03-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P155433
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F03-LED-E1-T3-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6446 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 78.3
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: 25 FT

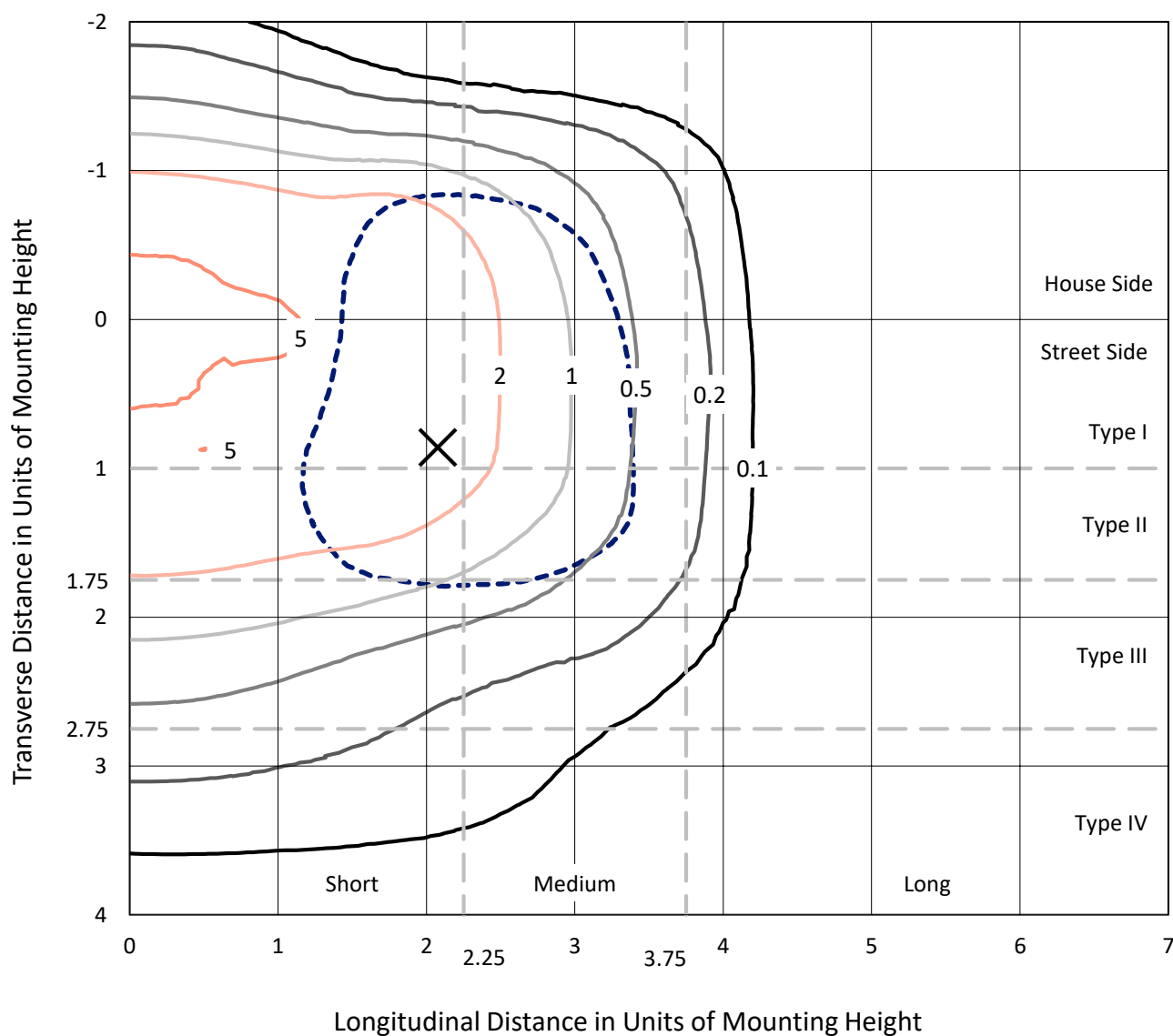


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

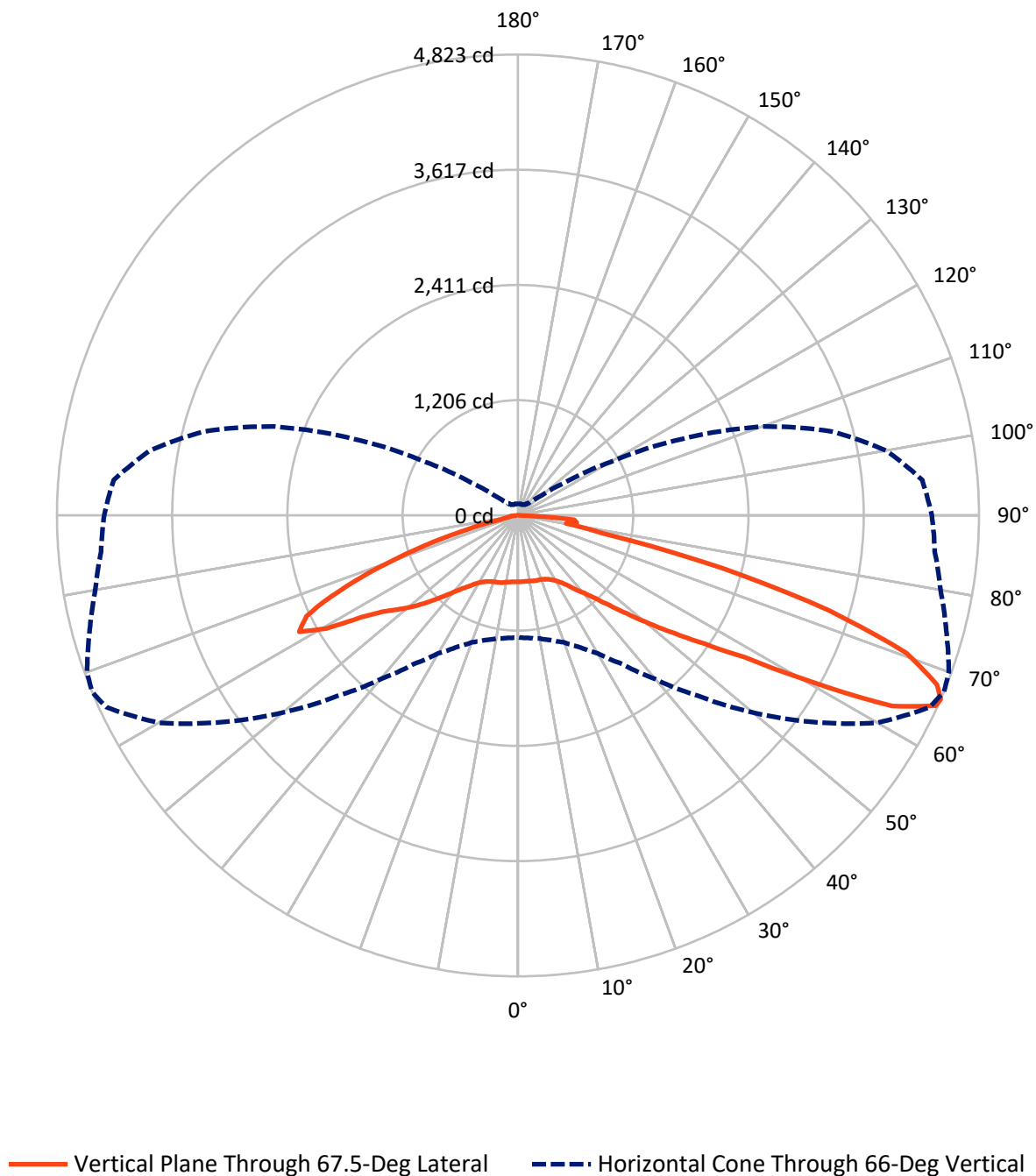


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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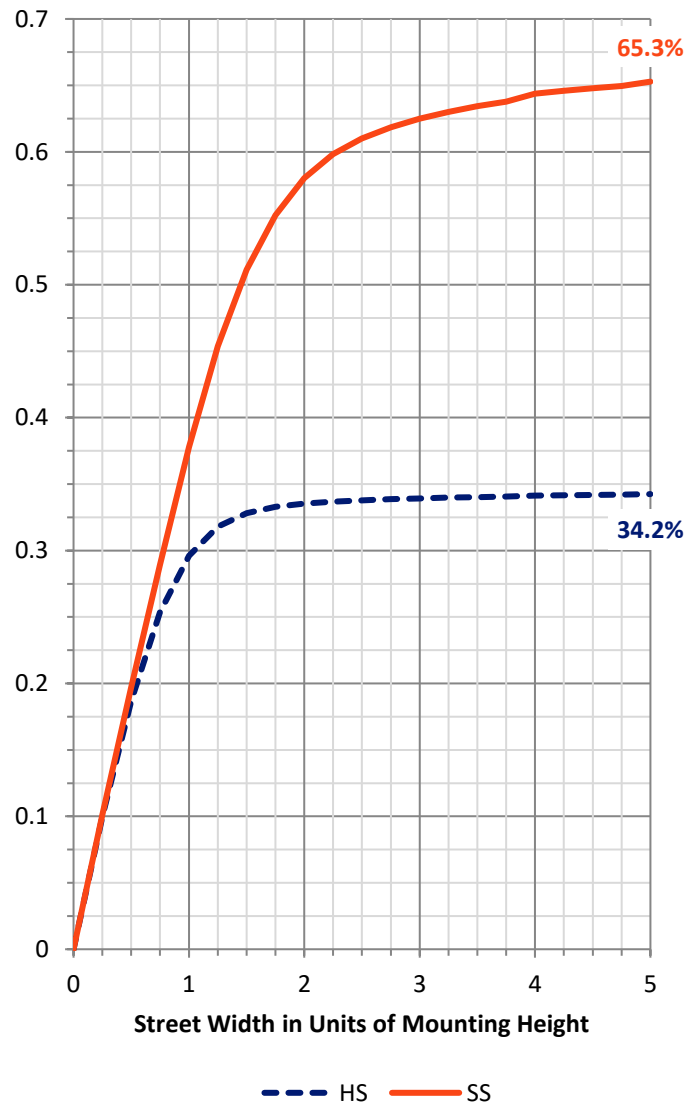
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2226.0	0.0	2226.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	4220.0	0.0	4220.0
	% Fixture	65.5	0.0	65.5
Total	Lumens	6446.0	0.0	6446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.0
10°-20°	196.4	3.0
20°-30°	337.5	5.2
30°-40°	548.0	8.5
40°-50°	914.8	14.2
50°-60°	1440.5	22.3
60°-70°	1964.3	30.5
70°-80°	850.3	13.2
80°-90°	127.9	2.0
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°	6446.0	100.0
0°-180°	6446.0	100.0

Coefficient of Utilization



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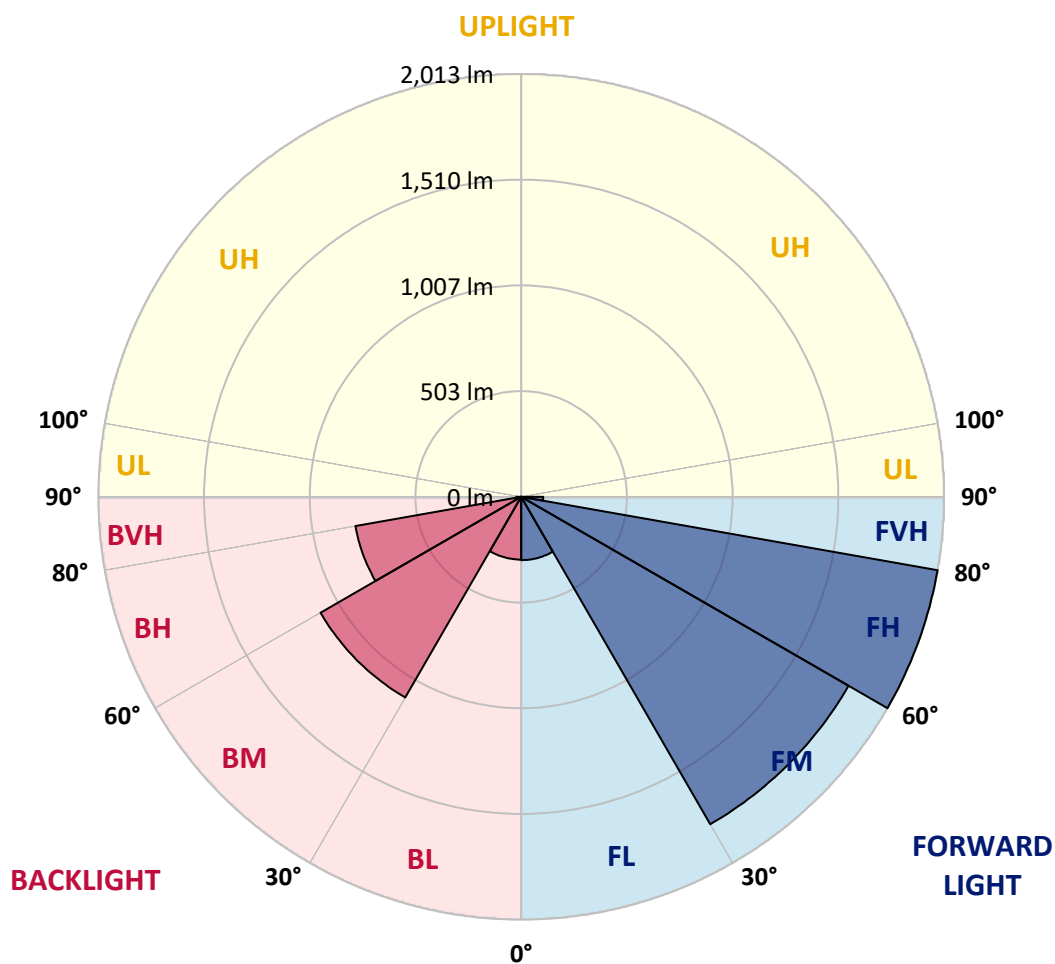
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.6	4.7			
FM	(30°-60°)	1800.2	27.9			
FH	(60°-80°)	2013.3	31.2			G2/5000
FVH	(80°-90°)	105.0	1.6			G2/225
BL	(0°-30°)	298.8	4.6	B1/500		
BM	(30°-60°)	1103.1	17.1	B2/2500		
BH	(60°-80°)	801.3	12.4	B2/1000		G2/1000
BVH	(80°-90°)	22.9	0.4			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6
2.5°	697.4	700.2	697.4	698.1	698.9	698.1	697.4	697.4	695.3	696.7	698.1
5°	694.6	696.7	696.1	696.7	697.4	696.7	696.1	696.7	695.3	696.1	698.1
7.5°	691.2	690.5	691.2	692.5	694.0	694.0	694.0	694.6	694.0	694.0	696.1
10°	680.7	681.5	682.8	684.9	685.6	687.7	687.7	689.7	690.5	691.8	694.6
12.5°	667.5	668.2	669.5	671.0	674.4	677.9	677.9	682.8	684.9	688.4	693.3
15°	657.7	658.4	659.8	661.2	663.9	667.5	669.5	675.1	678.7	684.9	691.8
17.5°	663.3	662.6	663.9	664.7	664.7	667.5	667.5	671.6	675.9	681.5	690.5
20°	679.3	679.3	680.7	680.7	680.0	681.5	678.7	678.7	679.3	682.1	688.4
22.5°	695.3	694.6	697.4	698.9	699.5	701.7	698.9	698.1	694.6	692.5	694.6
25°	710.7	709.9	713.5	715.5	719.1	721.1	721.1	721.1	718.3	714.8	712.7
27.5°	734.4	734.4	737.8	739.9	742.7	746.9	749.0	749.0	749.6	744.8	741.3
30°	774.1	774.8	775.4	778.2	781.0	782.4	785.2	787.4	789.4	786.6	781.0
32.5°	821.5	817.3	817.3	821.5	825.0	829.1	830.5	833.3	837.5	835.3	834.7
35°	877.9	876.5	875.1	876.5	880.7	885.6	891.1	896.0	893.3	897.4	895.3
37.5°	961.5	962.9	963.6	963.6	962.9	964.2	967.0	971.9	970.6	971.9	974.7
40°	1099.5	1094.6	1089.7	1090.4	1083.4	1084.8	1073.7	1078.5	1079.3	1074.4	1076.5
42.5°	1237.4	1240.2	1242.3	1247.9	1243.0	1240.2	1229.7	1229.7	1224.1	1219.3	1217.9
45°	1386.5	1392.1	1392.7	1403.9	1399.8	1408.8	1416.5	1414.4	1405.3	1404.7	1394.8
47.5°	1505.6	1514.7	1524.5	1537.7	1548.2	1568.4	1592.0	1603.8	1610.9	1616.5	1605.3
50°	1594.8	1599.0	1624.0	1645.0	1668.0	1701.5	1734.2	1776.7	1810.8	1826.8	1842.2
52.5°	1642.9	1653.4	1680.5	1713.3	1753.7	1803.8	1856.8	1924.4	1982.9	2022.0	2056.8
55°	1653.4	1663.8	1694.5	1736.3	1791.3	1858.9	1934.8	2026.8	2114.6	2189.8	2263.0
57.5°	1624.0	1636.0	1668.7	1716.8	1781.6	1863.7	1959.2	2079.8	2201.0	2322.9	2430.9
60°	1570.5	1585.1	1615.0	1662.4	1734.2	1826.8	1941.1	2092.3	2262.3	2449.0	2656.0
62.5°	1482.0	1497.3	1525.2	1577.4	1651.3	1753.7	1886.1	2074.2	2314.5	2608.6	2975.8
65°	1339.8	1346.8	1380.9	1433.9	1499.4	1612.2	1757.8	1985.0	2297.8	2706.8	3212.6
66°	1275.8	1287.6	1308.5	1351.0	1413.7	1519.6	1665.9	1896.5	2234.4	2672.6	3206.4
67.5°	1175.4	1184.5	1198.3	1226.9	1265.3	1343.3	1482.0	1700.0	2040.7	2499.9	3073.3
70°	950.4	954.5	973.4	983.1	996.4	1022.1	1072.2	1197.7	1463.1	1894.4	2480.4
72.5°	648.0	659.8	680.0	707.9	744.1	779.0	802.6	818.7	875.8	1130.2	1652.6
75°	475.1	487.7	513.5	550.5	613.8	686.3	761.6	796.4	772.6	739.9	920.4
77.5°	276.0	292.6	314.2	349.7	408.3	504.5	633.4	747.6	825.0	829.8	788.0
80°	116.4	118.4	131.7	149.8	186.0	253.6	354.0	518.3	689.7	805.4	832.6
82.5°	26.4	32.7	41.8	49.4	60.6	83.6	124.0	206.2	372.7	584.6	762.3
85°	9.7	9.7	13.3	19.5	22.3	25.1	32.7	52.2	89.2	164.5	342.8
87.5°	0.0	0.7	1.3	1.3	2.8	3.5	5.6	7.7	6.9	6.3	20.9
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6
2.5°	696.7	696.1	694.6	694.6	694.6	694.6	693.3	694.0	692.5	693.3	693.3
5°	696.1	696.1	695.3	694.0	694.6	694.6	695.3	694.0	694.0	694.6	694.0
7.5°	696.1	695.3	695.3	695.3	696.1	695.3	696.1	696.1	696.1	696.7	696.7
10°	696.1	696.1	697.4	698.1	698.1	698.9	700.9	700.9	701.7	702.3	703.7
12.5°	696.7	699.5	701.7	703.7	704.4	705.8	709.3	709.3	710.7	712.7	713.5
15°	697.4	701.7	705.8	707.2	708.6	711.4	714.8	716.3	718.3	720.4	721.9
17.5°	696.7	702.3	707.2	709.3	711.4	714.8	719.1	720.4	723.2	726.0	728.8
20°	696.1	703.7	711.4	714.2	716.9	721.9	727.4	730.9	733.7	737.8	740.6
22.5°	700.2	709.3	719.7	723.9	728.8	735.0	742.7	746.9	750.4	754.6	756.7
25°	713.5	720.4	733.0	739.9	746.2	756.7	767.2	772.0	776.2	779.7	780.3
27.5°	735.8	737.8	753.2	762.3	771.3	788.0	800.5	804.0	811.7	814.5	813.8
30°	772.0	768.5	781.0	795.0	808.2	831.2	846.5	855.5	862.6	862.6	857.0
32.5°	824.2	818.7	822.2	838.1	853.5	886.9	905.1	916.9	921.8	920.4	908.5
35°	892.5	889.0	886.9	899.5	923.8	962.9	986.5	992.8	1000.5	999.1	983.8
37.5°	973.4	970.6	970.6	985.2	1008.9	1066.7	1092.4	1096.7	1096.0	1084.8	1056.3
40°	1068.8	1067.4	1061.1	1069.5	1089.7	1165.0	1199.8	1205.4	1197.7	1179.6	1146.1
42.5°	1206.0	1197.7	1178.1	1183.0	1198.3	1271.5	1316.8	1332.1	1324.5	1306.4	1252.0
45°	1385.1	1376.1	1343.3	1339.2	1347.5	1411.6	1470.2	1473.6	1472.2	1449.2	1385.1
47.5°	1595.5	1581.6	1546.7	1535.6	1532.8	1592.0	1648.5	1654.1	1650.6	1616.5	1530.8
50°	1823.3	1803.1	1780.2	1772.5	1761.3	1803.8	1860.9	1861.7	1847.8	1800.4	1720.2
52.5°	2066.5	2059.6	2055.3	2047.7	2042.8	2079.8	2114.6	2093.7	2072.7	2023.3	1953.7
55°	2311.8	2340.3	2369.6	2372.4	2380.7	2420.4	2419.8	2362.6	2347.3	2320.1	2251.2
57.5°	2572.3	2678.2	2770.3	2798.8	2826.6	2900.5	2893.6	2837.1	2817.6	2784.1	2727.0
60°	2926.9	3212.6	3478.1	3541.6	3585.4	3673.9	3665.5	3578.4	3618.9	3616.1	3542.2
62.5°	3423.7	3899.0	4296.8	4394.3	4425.0	4434.7	4381.8	4287.7	4327.5	4372.0	4144.9
65°	3760.3	4319.1	4727.4	4802.6	4806.7	4690.5	4572.6	4461.9	4452.1	4413.8	4089.1
66°	3768.0	4340.0	4749.6	4822.8	4797.0	4638.1	4489.0	4377.6	4329.5	4245.2	3908.7
67.5°	3632.7	4209.6	4650.7	4728.1	4671.6	4446.5	4241.0	4097.5	4003.4	3866.8	3570.1
70°	3051.0	3623.0	4166.5	4310.7	4328.8	3993.0	3708.0	3539.4	3412.6	3225.2	2969.5
72.5°	2268.6	2785.6	3264.9	3402.9	3473.3	3205.0	2964.6	2836.4	2662.9	2465.7	2283.9
75°	1422.1	1787.2	2108.3	2205.2	2139.0	1931.4	1787.2	1733.5	1562.8	1445.1	1362.1
77.5°	813.1	927.4	953.2	916.2	838.1	641.7	456.4	337.9	293.4	324.7	358.1
80°	793.6	727.4	579.7	510.1	462.0	317.7	186.7	128.2	106.6	109.4	118.4
82.5°	859.8	922.5	759.5	619.4	519.8	351.2	193.7	103.1	69.6	82.2	92.6
85°	558.8	777.5	700.2	590.2	477.9	300.3	159.6	53.7	35.5	46.6	64.1
87.5°	56.5	62.0	53.0	71.8	53.7	25.1	12.5	7.7	6.9	8.4	12.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6	694.6
2.5°	694.0	694.0	694.6	695.3	696.1	696.7	696.7	696.7	696.7	698.1	697.4
5°	695.3	696.7	698.1	698.9	700.2	700.2	702.3	701.7	701.7	703.7	704.4
7.5°	698.1	700.2	703.0	702.3	705.1	704.4	705.8	705.8	703.7	704.4	703.0
10°	704.4	707.2	708.6	706.5	707.2	704.4	703.7	700.2	696.1	694.0	691.2
12.5°	714.8	717.6	717.6	714.2	709.9	703.7	698.9	691.2	684.9	681.5	677.9
15°	723.9	726.7	726.0	720.4	714.2	704.4	697.4	688.4	679.3	673.8	670.3
17.5°	730.9	732.2	730.2	722.5	715.5	706.5	699.5	689.7	679.3	672.3	666.1
20°	741.3	739.9	735.0	725.3	717.6	709.3	703.7	695.3	683.5	674.4	665.4
22.5°	756.7	751.1	742.1	731.6	723.9	716.3	710.7	701.7	689.7	678.7	668.2
25°	776.9	765.7	753.2	742.1	735.0	726.7	720.4	710.7	698.1	685.6	673.1
27.5°	806.1	786.6	770.6	760.8	753.2	742.7	735.0	722.5	709.3	694.6	680.7
30°	838.9	812.4	797.1	789.4	781.0	769.8	758.0	742.1	726.7	710.7	694.0
32.5°	881.3	849.3	834.7	827.0	815.9	802.0	788.0	769.8	748.3	727.4	707.2
35°	937.1	904.4	889.0	877.2	861.9	843.7	823.5	799.2	769.8	742.1	716.3
37.5°	997.0	961.5	946.8	934.3	911.3	887.7	859.1	823.5	783.8	746.9	714.8
40°	1073.0	1040.2	1021.5	999.8	972.6	931.5	886.9	835.3	784.6	739.3	701.7
42.5°	1169.1	1136.4	1108.5	1074.4	1026.9	963.6	900.2	833.3	772.0	720.4	680.0
45°	1296.6	1256.9	1208.8	1148.9	1072.2	983.8	900.8	820.1	748.3	691.2	648.0
47.5°	1452.6	1392.1	1313.4	1212.3	1102.3	989.3	889.7	793.6	711.4	649.3	601.2
50°	1638.0	1542.6	1413.0	1264.6	1117.5	981.0	861.9	753.9	659.1	593.0	535.8
52.5°	1849.8	1693.8	1502.9	1302.2	1116.9	953.2	814.5	694.0	590.9	517.0	462.6
55°	2098.5	1866.5	1595.5	1330.1	1097.4	901.6	742.1	609.6	506.5	438.2	388.1
57.5°	2463.0	2146.6	1757.2	1373.3	1058.3	822.2	643.8	508.6	418.0	353.3	310.8
60°	3129.0	2614.2	2048.4	1460.3	998.4	705.8	528.8	400.6	324.7	272.4	243.8
62.5°	3630.7	2975.8	2205.9	1440.8	877.9	562.3	392.2	291.9	239.0	203.4	185.3
65°	3559.0	2863.6	2037.9	1240.9	688.4	396.5	260.6	198.5	164.5	147.7	137.3
66°	3396.6	2717.3	1892.3	1116.9	595.0	329.5	214.6	166.5	141.5	129.6	122.6
67.5°	3088.6	2445.5	1631.7	915.5	457.1	239.0	161.7	131.7	114.9	110.1	105.2
70°	2567.5	1950.2	1145.4	533.0	233.4	133.1	102.4	92.0	87.8	87.0	85.7
72.5°	1967.6	1380.2	674.4	252.2	121.2	88.5	79.4	76.0	74.5	74.5	75.2
75°	1206.0	775.4	298.2	123.3	85.0	74.5	70.4	69.0	68.3	69.0	68.3
77.5°	402.7	246.6	127.5	93.4	77.3	69.0	66.2	64.8	64.8	64.8	64.8
80°	123.3	107.3	97.5	86.4	73.2	65.5	61.3	60.6	61.3	62.0	59.9
82.5°	92.6	87.8	82.2	76.7	66.2	58.5	57.1	57.1	57.1	55.0	52.2
85°	68.3	67.6	55.8	52.2	48.8	48.8	48.8	48.8	46.6	43.2	40.4
87.5°	12.5	11.8	12.5	13.3	19.5	20.9	20.9	22.3	24.4	23.0	23.0
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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CATALOG NUMBER: VXS-F03-LED-E1-T3-8030

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	694.6	694.6	694.6	694.6	694.6
2.5°	697.4	696.7	698.9	697.4	698.1
5°	703.7	703.0	704.4	703.0	705.1
7.5°	701.7	700.2	699.5	700.2	700.9
10°	686.9	685.6	684.9	684.1	684.9
12.5°	674.4	671.6	671.6	670.3	671.0
15°	665.4	663.3	662.6	661.2	661.9
17.5°	661.2	657.7	656.4	654.9	654.9
20°	658.4	654.2	652.1	650.8	650.1
22.5°	658.4	652.1	649.3	648.0	647.3
25°	661.2	653.6	649.3	647.3	646.5
27.5°	666.7	657.0	652.1	649.3	649.3
30°	676.6	663.9	657.0	653.6	652.8
32.5°	686.3	669.5	659.8	655.6	654.2
35°	691.2	669.5	657.7	650.8	649.3
37.5°	685.6	660.5	645.9	635.4	633.4
40°	668.2	641.7	625.7	616.0	614.5
42.5°	645.2	619.4	600.6	593.6	591.5
45°	613.8	583.2	564.4	554.6	555.3
47.5°	560.2	528.8	512.1	503.0	504.5
50°	496.8	466.1	451.5	441.8	443.8
52.5°	427.2	399.3	385.3	380.4	379.1
55°	354.0	332.3	322.6	317.0	314.9
57.5°	287.0	271.7	264.8	257.8	258.4
60°	226.4	218.8	216.7	209.0	208.3
62.5°	178.3	173.5	171.4	165.8	166.5
65°	135.1	133.8	135.1	131.7	133.1
66°	122.0	122.6	122.6	120.5	122.0
67.5°	105.2	106.6	108.7	106.6	108.0
70°	87.0	88.5	89.8	89.8	89.8
72.5°	76.0	77.3	78.0	78.0	78.0
75°	69.6	70.4	71.1	69.6	69.6
77.5°	65.5	65.5	64.1	63.4	62.7
80°	59.2	58.5	56.5	55.0	55.0
82.5°	49.4	48.1	46.6	44.6	44.6
85°	37.6	36.3	34.8	32.0	30.7
87.5°	19.5	20.2	19.5	16.1	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)