

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: P152724

Luminaire Tested: **VXS-F02-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152724
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F02-LED-E1-SLL-7030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4195.9 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 55
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



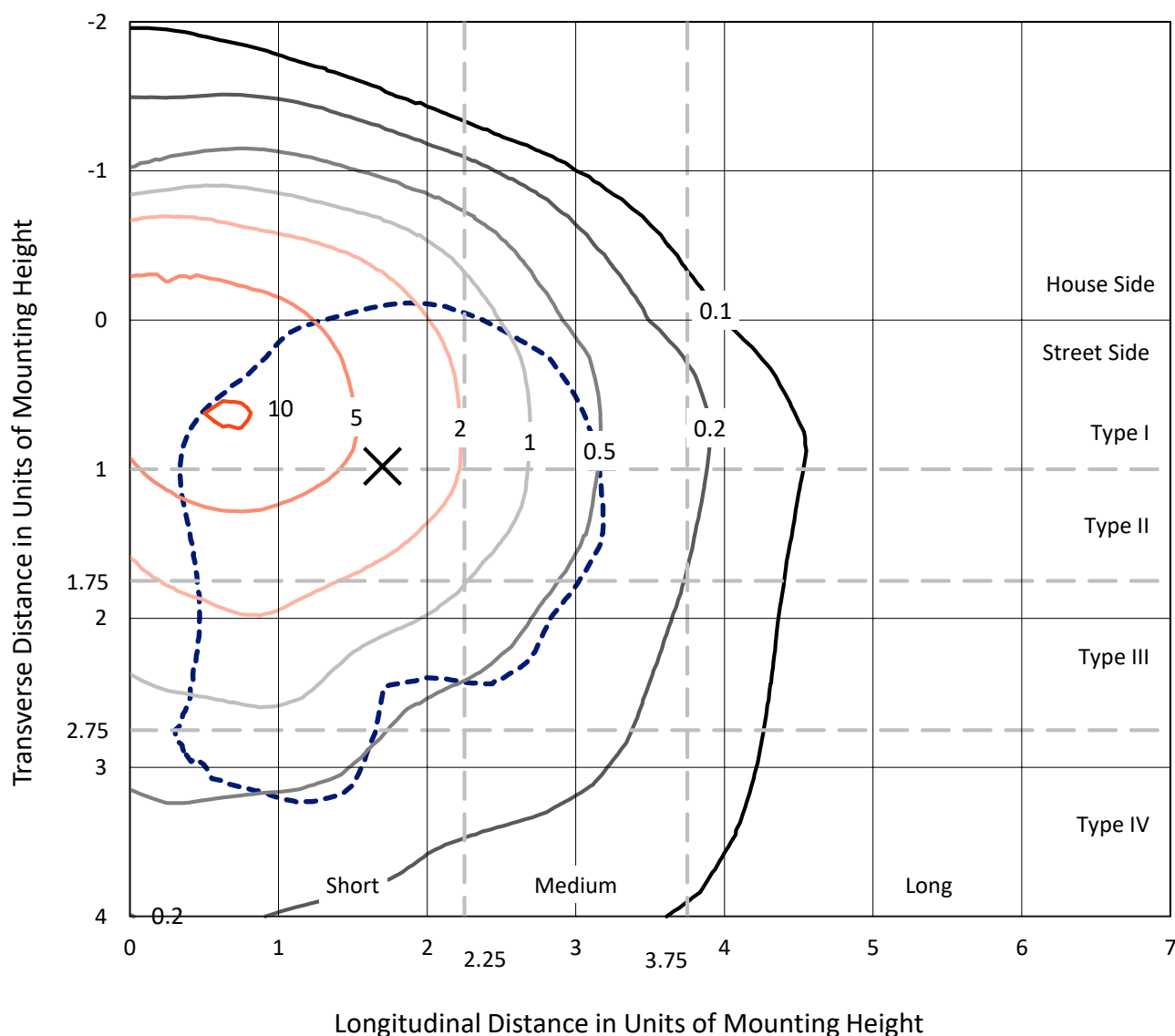
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

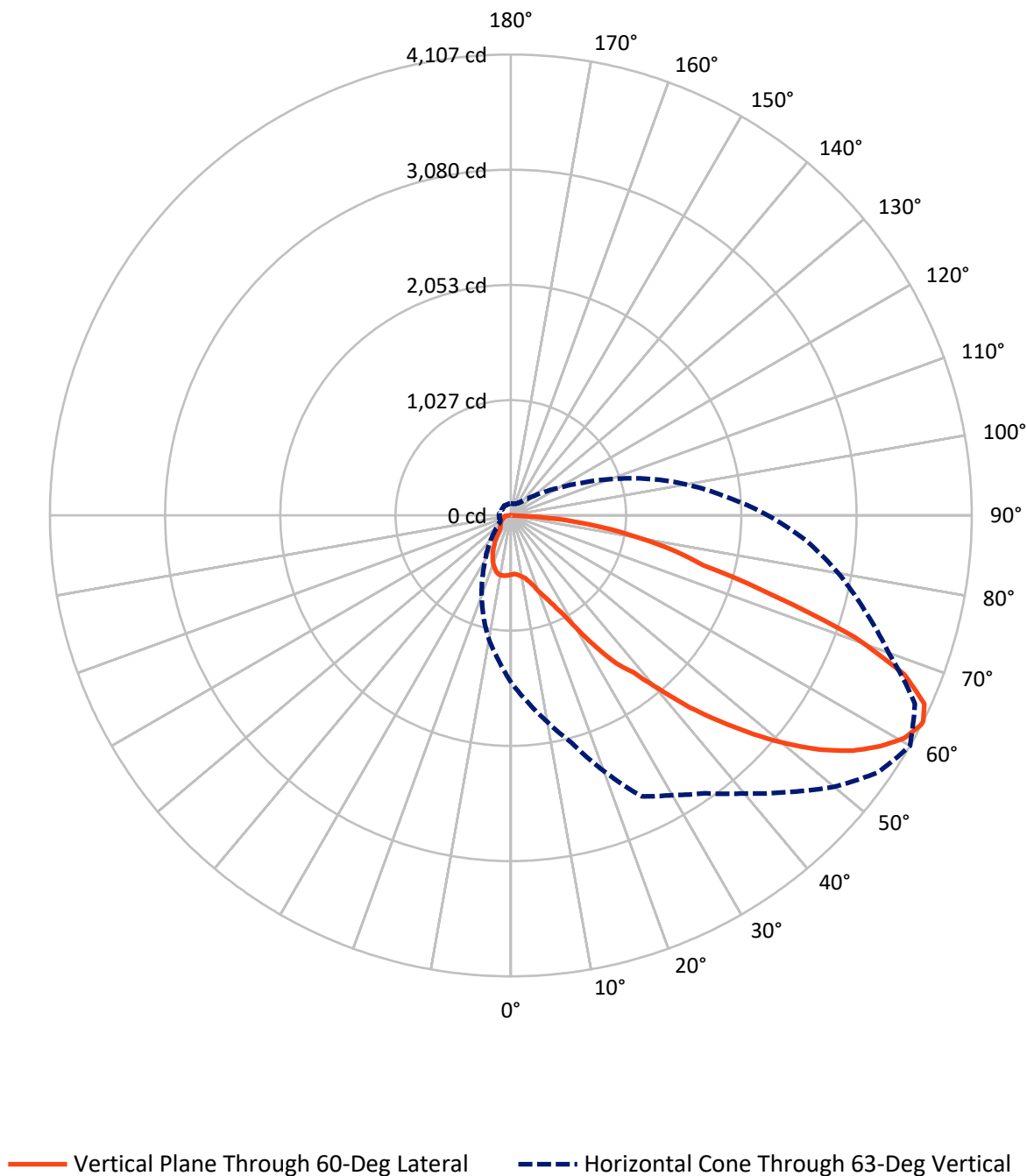


Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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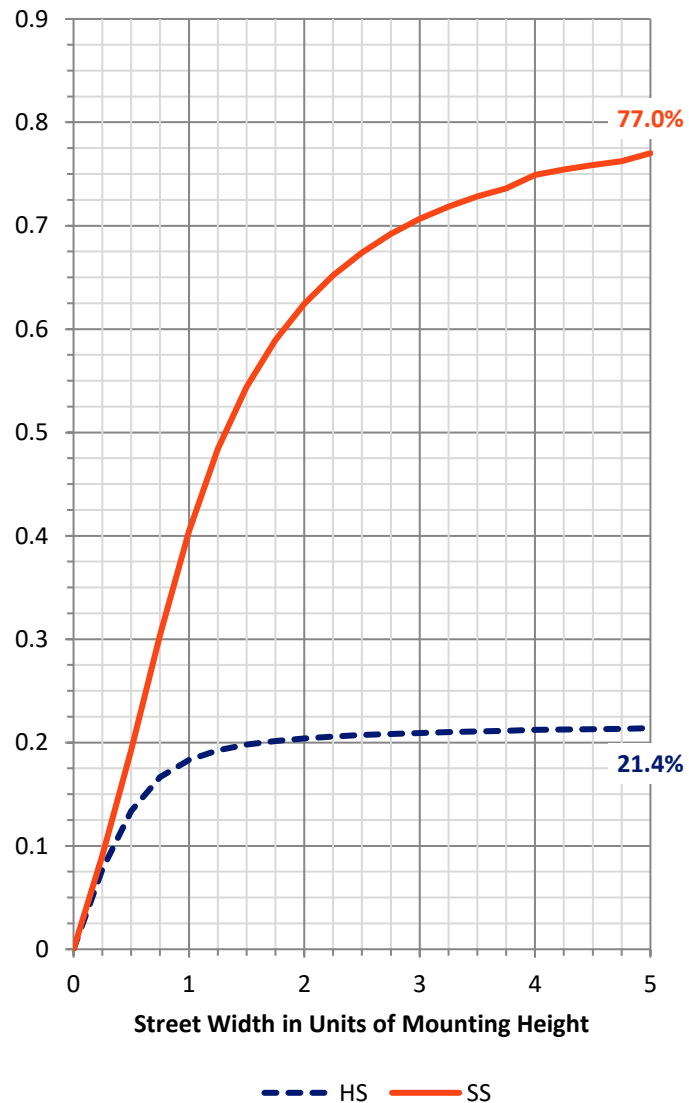
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	909.9	0.0	909.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3286.0	0.0	3286.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	4195.9	0.0	4195.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.2
10°-20°	159.9	3.8
20°-30°	284.0	6.8
30°-40°	447.2	10.7
40°-50°	658.2	15.7
50°-60°	874.3	20.8
60°-70°	963.0	23.0
70°-80°	604.2	14.4
80°-90°	153.9	3.7
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°	4195.9	100.0
0°-180°	4195.9	100.0

Coefficient of Utilization



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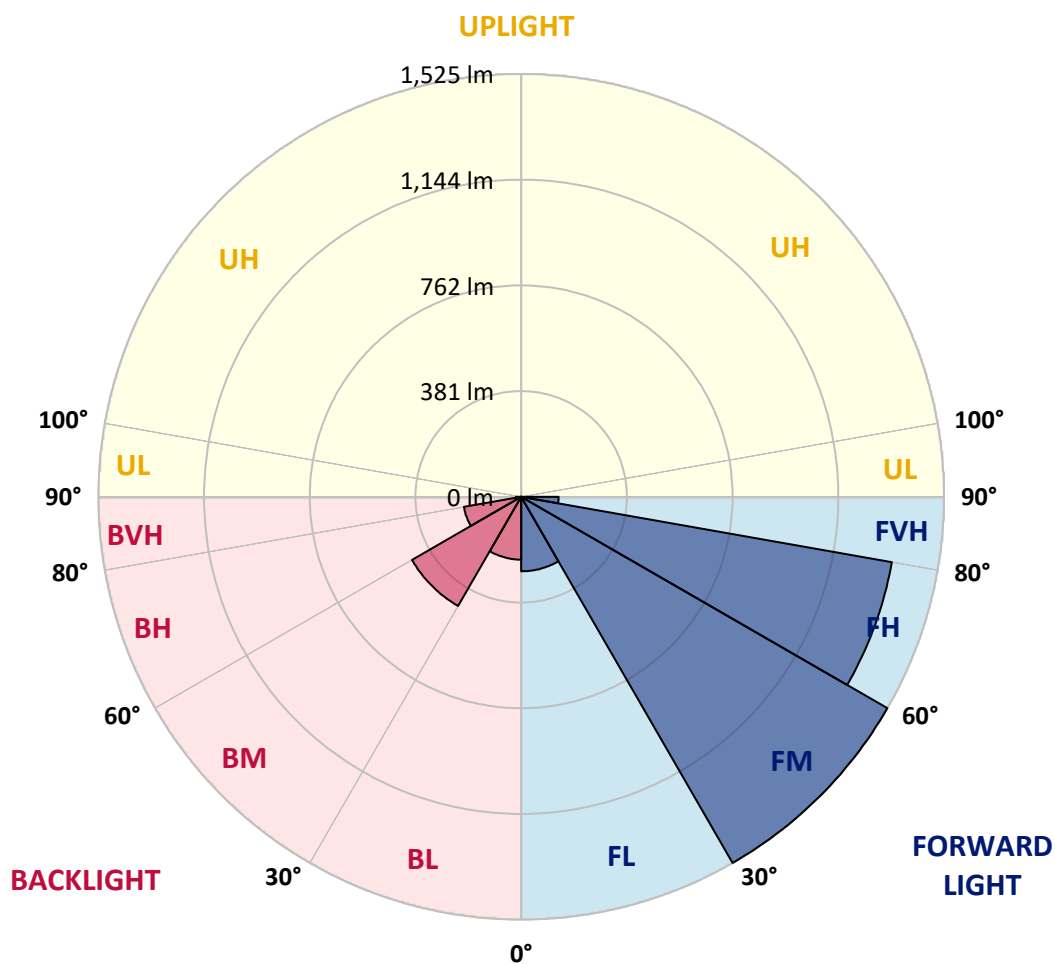
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	268.7	6.4			
FM	(30°-60°)	1524.9	36.3			
FH	(60°-80°)	1357.4	32.4			G1/1800
FVH	(80°-90°)	135.0	3.2			G2/225
BL	(0°-30°)	226.5	5.4	B1/500		
BM	(30°-60°)	454.8	10.8	B1/1000		
BH	(60°-80°)	209.7	5.0	B1/500		G1/500
BVH	(80°-90°)	18.8	0.4			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	520.2	521.2	521.2	520.7	520.7	521.8	521.2	520.7	519.3	521.2	521.2
5°	516.3	517.2	517.2	518.2	519.3	520.2	520.2	521.2	520.7	522.8	524.2
7.5°	521.2	522.3	524.2	526.8	528.3	531.8	531.8	534.3	535.3	536.9	536.4
10°	527.8	530.3	534.8	538.9	541.9	545.9	548.9	552.4	552.4	553.9	554.9
12.5°	539.4	541.9	546.9	551.9	556.5	561.5	566.0	569.5	573.1	574.0	576.1
15°	558.4	561.5	569.0	576.1	581.6	588.1	594.2	601.1	607.7	609.2	610.3
17.5°	587.2	593.2	598.7	611.2	619.3	627.9	637.4	647.5	649.4	660.0	662.5
20°	627.9	635.3	640.4	656.0	669.5	680.6	694.7	706.2	710.8	720.8	730.9
22.5°	698.2	696.7	704.2	719.8	729.8	752.0	764.0	776.1	782.2	797.2	805.3
25°	792.7	800.7	817.3	818.9	828.4	854.0	869.6	881.7	882.2	886.7	895.2
27.5°	885.7	918.9	945.0	959.1	984.8	1008.3	1007.4	1024.5	997.8	1003.3	1011.4
30°	998.2	1053.6	1102.8	1136.1	1162.2	1189.8	1203.4	1213.0	1201.3	1196.4	1186.7
32.5°	1103.8	1181.2	1257.2	1316.0	1364.8	1410.5	1440.6	1454.2	1470.3	1511.0	1525.6
35°	1176.3	1285.8	1380.3	1465.3	1546.7	1619.6	1672.3	1702.5	1691.0	1685.4	1682.4
37.5°	1219.5	1353.2	1471.3	1591.4	1685.0	1794.0	1876.0	1955.3	1973.5	1941.8	1926.2
40°	1246.6	1405.0	1556.8	1698.4	1819.7	1960.4	2062.0	2181.0	2271.5	2283.6	2246.4
42.5°	1259.7	1439.6	1616.6	1776.9	1940.8	2113.2	2241.9	2386.1	2521.3	2614.3	2591.2
45°	1261.7	1462.3	1660.3	1847.8	2042.8	2247.4	2413.3	2573.2	2754.1	2913.5	2917.9
47.5°	1261.7	1479.4	1690.5	1899.1	2134.3	2364.0	2545.0	2734.0	2955.6	3144.1	3202.0
50°	1262.7	1490.9	1718.7	1939.3	2204.1	2462.6	2667.2	2890.3	3123.5	3328.6	3440.2
52.5°	1267.3	1499.5	1740.7	1967.9	2249.4	2531.9	2762.2	3019.5	3251.7	3462.4	3606.6
55°	1277.3	1511.5	1756.8	1985.5	2279.6	2577.1	2831.0	3108.0	3334.6	3548.3	3749.8
57.5°	1305.4	1532.6	1776.4	2001.1	2296.2	2606.8	2879.3	3146.1	3366.3	3589.0	3825.8
60°	1361.8	1577.3	1810.1	2032.2	2323.8	2661.6	2902.4	3120.5	3343.2	3577.0	3842.9
62.5°	1451.7	1647.3	1856.8	2085.1	2402.7	2746.5	2884.8	3044.1	3252.2	3507.0	3782.1
63°	1482.9	1662.3	1867.4	2096.6	2424.4	2762.2	2877.2	3021.6	3233.6	3485.0	3760.4
65°	1569.8	1729.1	1917.6	2154.9	2513.3	2777.7	2818.4	2903.8	3105.0	3358.8	3632.7
67.5°	1732.1	1891.5	2025.7	2253.5	2588.2	2716.4	2636.0	2646.5	2856.6	3119.5	3365.8
70°	1834.7	2024.8	2094.6	2266.0	2574.6	2625.4	2399.7	2260.0	2428.4	2728.0	2943.6
72.5°	1808.1	2026.2	2018.7	2098.7	2303.2	2350.5	2116.7	1896.6	1996.6	2220.3	2360.0
75°	1548.7	1809.5	1754.3	1738.2	1810.1	1841.2	1665.8	1632.1	1758.3	1882.5	1884.5
77.5°	1114.9	1402.0	1337.1	1244.0	1239.1	1311.0	1334.6	1555.2	1741.8	1839.8	1796.5
80°	710.3	1021.5	954.1	791.7	789.2	882.7	1090.3	1390.4	1587.9	1642.7	1530.2
82.5°	371.0	668.5	694.2	594.2	680.1	834.9	1037.5	1120.4	1195.3	1202.9	1070.2
85°	231.2	411.2	483.5	499.2	614.3	740.4	739.0	709.7	676.6	579.1	523.7
87.5°	26.1	51.8	78.4	74.4	100.0	140.2	174.9	102.6	71.9	26.1	36.2
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°	70°	75°	80°	85°	90°	95°	100°	105°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	522.3	522.8	523.3	523.3	525.8	525.3	525.8	526.8	528.3	529.3	530.3
5°	526.3	526.3	528.3	529.8	532.8	534.8	535.9	538.9	542.4	541.3	544.4
7.5°	539.4	538.9	540.8	541.9	544.4	547.9	547.4	549.9	553.0	553.9	556.5
10°	557.0	555.4	555.4	554.4	554.9	553.9	553.9	553.9	556.0	555.4	557.4
12.5°	575.0	574.5	573.6	570.6	570.6	566.5	564.5	562.0	561.5	557.9	558.4
15°	612.2	612.2	610.3	604.2	599.2	595.6	590.7	587.2	582.1	575.5	572.0
17.5°	666.5	659.5	657.0	656.0	648.0	644.9	633.9	622.3	616.8	607.7	602.7
20°	732.8	731.4	721.3	716.3	706.2	692.1	678.1	663.0	654.0	642.9	636.9
22.5°	807.8	796.7	791.7	784.1	768.6	752.4	731.4	711.3	697.2	689.6	685.1
25°	895.2	884.1	879.2	869.1	850.1	833.0	806.7	783.1	770.6	758.0	751.0
27.5°	1011.4	1000.8	994.8	968.6	962.1	934.0	901.8	869.6	853.1	834.4	822.4
30°	1184.8	1185.3	1154.1	1122.5	1089.7	1041.0	1007.4	971.2	944.0	917.4	890.7
32.5°	1477.8	1402.9	1345.1	1277.3	1206.4	1154.6	1112.8	1069.6	1031.9	993.3	949.0
35°	1656.8	1620.6	1545.7	1421.6	1350.2	1287.4	1241.0	1188.8	1142.6	1074.2	1006.8
37.5°	1858.9	1774.9	1683.9	1615.0	1534.1	1461.2	1383.8	1324.6	1244.6	1152.6	1057.1
40°	2153.9	2033.8	1924.1	1831.7	1727.2	1650.8	1564.2	1478.3	1372.2	1239.1	1107.9
42.5°	2462.1	2337.9	2193.2	2073.0	1949.8	1860.3	1753.3	1632.6	1476.8	1311.9	1151.6
45°	2785.3	2619.4	2445.9	2299.2	2171.0	2059.9	1927.3	1767.4	1577.3	1377.3	1192.3
47.5°	3103.9	2913.5	2706.8	2549.0	2382.1	2246.4	2083.5	1881.5	1655.8	1439.2	1233.1
50°	3385.0	3201.5	2952.6	2752.1	2583.2	2415.8	2212.7	1969.4	1717.6	1492.4	1269.7
52.5°	3627.3	3469.3	3207.5	2954.2	2759.6	2571.6	2316.8	2040.3	1779.9	1541.7	1299.9
55°	3805.2	3700.1	3458.9	3144.7	2914.9	2690.8	2404.8	2108.7	1838.8	1580.8	1319.5
57.5°	3939.4	3881.0	3674.0	3324.1	3057.7	2806.3	2495.8	2190.6	1897.1	1614.5	1328.5
60°	4012.7	4028.8	3836.8	3480.9	3183.8	2902.9	2586.7	2260.5	1940.3	1634.2	1323.5
62.5°	4005.7	4104.2	3959.0	3577.4	3257.2	2960.2	2648.0	2293.2	1934.2	1603.0	1277.7
63°	3992.1	4106.7	3972.5	3583.9	3261.8	2962.2	2649.5	2288.6	1921.7	1587.9	1259.7
65°	3875.0	4048.9	3960.9	3554.3	3221.6	2924.5	2617.8	2223.3	1833.2	1506.9	1166.6
67.5°	3561.3	3779.0	3753.9	3344.8	3031.1	2768.7	2456.0	2012.6	1614.5	1307.9	988.7
70°	3043.1	3247.7	3252.2	2908.9	2647.0	2389.6	2129.7	1637.7	1279.8	1013.9	737.4
72.5°	2332.3	2464.0	2509.8	2283.6	2108.2	1927.3	1694.0	1188.8	912.3	689.6	480.0
75°	1806.1	1769.8	1769.3	1673.9	1602.5	1514.0	1257.6	802.3	599.2	448.4	293.6
77.5°	1623.6	1462.8	1306.9	1192.3	1135.0	1105.4	824.9	483.5	353.4	257.8	168.9
80°	1339.1	1101.9	890.3	766.5	717.3	751.5	459.9	261.3	193.6	146.7	109.5
82.5°	923.4	766.5	582.6	482.6	414.2	433.3	235.2	133.7	89.4	82.0	67.9
85°	481.0	421.8	355.9	305.6	269.9	237.3	122.2	63.8	37.2	32.6	29.6
87.5°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	531.8	531.3	532.3	532.8	534.3	535.3	535.9	534.8	536.4	537.8	536.9
5°	545.9	549.4	549.9	551.4	551.4	554.4	554.4	554.4	553.9	554.4	553.5
7.5°	557.9	562.5	563.0	565.0	565.5	569.0	567.5	568.5	568.5	566.0	565.0
10°	559.5	563.9	566.5	569.0	572.5	577.1	577.1	579.6	579.6	577.5	577.1
12.5°	560.0	563.5	566.0	569.5	574.5	581.0	584.6	588.1	589.6	589.1	587.6
15°	570.6	570.6	571.0	574.0	577.5	585.6	590.7	594.6	597.2	596.2	593.7
17.5°	598.1	594.2	591.1	586.1	587.2	591.1	594.2	597.6	598.1	597.2	593.2
20°	630.4	625.3	617.7	609.7	605.7	602.7	600.7	600.7	599.2	594.2	587.6
22.5°	676.1	669.5	659.0	646.9	638.9	629.3	617.7	606.7	594.6	582.6	568.5
25°	739.4	730.4	719.3	700.7	683.6	663.5	639.9	615.2	586.6	561.5	540.8
27.5°	803.2	783.1	754.5	728.9	697.2	667.0	633.4	603.2	566.5	536.4	513.7
30°	856.1	817.8	776.6	735.9	694.2	653.5	613.3	577.1	536.9	506.2	484.0
32.5°	896.8	843.9	786.6	733.4	682.1	632.3	586.1	545.9	505.2	473.5	449.8
35°	934.4	861.0	788.2	722.3	659.0	607.3	554.9	511.2	468.0	434.8	409.1
37.5°	962.6	869.1	779.2	701.8	628.8	571.0	517.7	473.1	428.8	392.5	363.4
40°	980.7	864.0	759.5	672.0	593.2	532.3	478.0	431.8	389.0	349.3	314.2
42.5°	995.2	857.5	739.9	644.9	565.0	498.7	442.8	393.1	349.8	306.6	267.9
45°	1016.9	862.6	731.4	625.8	539.9	469.9	408.7	356.9	311.6	269.4	232.2
47.5°	1038.0	865.1	718.8	602.2	508.2	440.3	378.0	327.8	281.5	242.8	208.6
50°	1057.1	863.5	699.2	572.0	477.5	410.7	350.4	300.1	254.3	218.7	186.5
52.5°	1066.1	855.0	675.0	542.9	452.8	384.6	323.2	274.4	229.2	195.5	165.9
55°	1065.2	833.0	643.4	515.2	425.8	356.9	296.6	248.3	207.6	176.5	150.8
57.5°	1050.1	798.8	609.7	484.6	390.1	322.7	265.4	218.7	184.5	158.3	136.7
60°	1018.4	755.0	565.5	439.8	345.3	280.5	226.7	186.5	158.9	138.8	124.7
62.5°	959.1	692.1	510.2	377.5	285.0	225.7	179.0	152.8	132.2	120.1	113.6
63°	941.5	675.0	486.5	362.4	271.0	213.2	168.9	141.8	126.6	116.2	110.1
65°	854.0	591.1	407.2	292.5	210.6	164.4	135.8	115.1	106.0	101.6	101.0
67.5°	691.7	465.0	288.0	200.5	143.2	118.7	104.0	95.5	91.5	90.5	91.5
70°	485.6	293.6	183.0	133.2	106.0	95.5	89.0	85.5	82.9	83.4	84.5
72.5°	309.6	176.0	125.7	101.0	89.4	83.9	80.9	79.9	79.4	79.0	79.0
75°	176.5	117.1	96.5	87.5	81.5	76.9	74.4	73.4	73.9	74.4	73.4
77.5°	116.6	96.5	85.9	79.9	74.4	69.3	67.9	67.4	68.4	69.3	69.3
80°	92.0	85.9	79.9	73.9	64.9	61.3	62.3	62.8	62.3	62.8	61.3
82.5°	64.9	63.8	65.4	62.8	53.8	50.8	49.7	50.3	49.2	49.2	48.3
85°	30.2	30.2	31.7	31.7	30.7	31.2	33.7	36.7	38.2	36.7	34.7
87.5°	0.0	0.0	0.0	0.0	0.0	4.6	9.0	13.1	14.1	17.6	17.1
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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CATALOG NUMBER: VXS-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	535.3	536.4	535.9	535.3	536.4	535.3	535.9	535.3	535.3	534.8	534.8
5°	552.4	553.9	550.9	550.5	549.4	546.9	546.9	545.9	545.9	543.8	542.4
7.5°	563.5	563.9	561.5	560.9	558.4	556.0	553.9	551.9	551.4	549.9	546.9
10°	574.0	573.1	571.0	568.5	566.0	562.5	560.0	557.4	557.0	554.4	550.9
12.5°	583.1	582.6	578.5	576.1	572.0	568.5	565.5	562.5	560.9	557.9	553.0
15°	589.1	586.1	581.0	576.6	572.0	568.0	564.5	560.9	559.5	556.0	550.9
17.5°	586.6	581.0	574.5	569.0	563.0	557.9	554.9	551.4	548.9	546.9	539.9
20°	577.5	569.5	559.5	553.0	544.9	538.3	536.4	532.8	530.8	523.3	514.2
22.5°	553.9	542.4	529.8	520.2	511.2	504.7	499.7	496.2	491.1	486.5	472.5
25°	524.2	511.2	498.1	486.5	474.5	464.5	455.4	446.8	444.4	434.8	421.2
27.5°	495.6	481.0	468.0	454.4	438.9	426.2	410.7	398.7	390.6	380.5	368.0
30°	465.0	450.4	432.7	414.7	396.6	383.0	365.4	350.9	340.8	330.3	318.7
32.5°	426.2	408.7	387.6	367.5	350.9	334.8	317.2	303.1	293.1	283.5	272.4
35°	382.1	358.9	336.3	314.2	296.6	283.0	267.5	256.9	249.8	241.2	229.7
37.5°	331.3	305.1	281.0	263.9	248.3	235.2	224.1	217.6	210.2	205.6	198.5
40°	280.0	254.3	230.7	215.1	202.1	194.5	188.5	186.9	182.0	176.0	171.4
42.5°	234.7	210.2	186.9	174.4	165.9	163.8	160.8	160.8	158.3	153.8	150.8
45°	204.0	178.4	158.3	149.3	144.8	144.2	142.8	142.8	142.3	140.2	136.7
47.5°	182.0	158.9	143.2	137.7	136.7	135.8	134.2	133.7	133.2	131.7	129.6
50°	161.9	142.3	132.2	129.6	130.2	128.7	127.2	125.7	125.2	123.6	121.7
52.5°	143.2	129.2	122.7	121.1	121.1	121.1	120.1	120.1	119.2	118.7	116.6
55°	132.7	122.2	118.7	118.1	117.6	117.1	116.2	116.2	115.1	114.6	112.1
57.5°	123.6	117.1	115.1	114.1	113.6	112.6	112.1	112.1	112.1	112.1	109.1
60°	116.6	113.6	113.1	112.1	111.6	109.5	108.6	108.1	108.6	109.1	106.0
62.5°	109.1	108.6	108.1	107.0	106.5	104.6	103.0	102.1	103.0	104.0	103.5
63°	107.0	106.5	106.5	106.0	105.6	103.0	101.6	100.5	101.6	102.6	102.6
65°	100.0	100.5	100.5	100.0	99.5	98.0	96.0	95.0	95.5	97.0	97.5
67.5°	92.5	93.0	92.5	93.0	92.5	91.5	89.9	89.0	88.5	89.0	89.4
70°	85.5	86.4	85.9	85.5	85.0	85.0	83.9	82.5	82.0	81.5	81.5
72.5°	79.4	79.4	78.4	78.4	77.9	77.9	76.9	75.4	74.9	74.9	73.9
75°	72.8	72.8	71.4	71.4	70.4	70.9	69.8	68.4	67.9	67.9	67.4
77.5°	68.9	67.4	64.9	64.4	63.8	63.8	63.3	61.9	61.3	61.3	60.8
80°	60.8	57.8	55.3	54.8	55.3	56.3	56.3	55.3	55.3	55.3	55.3
82.5°	47.3	46.2	44.8	43.7	43.7	45.3	47.3	48.3	49.2	50.3	50.3
85°	34.7	35.2	34.7	33.2	32.6	34.2	36.2	38.2	38.8	40.7	40.2
87.5°	18.5	19.1	17.6	17.1	18.5	19.6	21.7	22.1	23.1	23.6	24.1
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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CATALOG NUMBER: VXS-F02-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3
2.5°	534.3	533.8	534.3	533.4	533.4	532.3	531.3	530.8	529.8	529.3	528.3
5°	543.4	541.9	540.3	539.9	537.8	535.9	534.3	531.8	529.8	526.3	525.3
7.5°	549.4	545.9	543.8	543.4	540.3	538.9	535.3	532.3	529.3	524.8	523.3
10°	551.9	548.4	544.9	543.4	539.9	537.3	533.8	529.3	526.8	522.3	521.2
12.5°	554.9	548.4	542.9	538.9	533.8	528.3	524.8	522.3	518.8	516.3	515.2
15°	549.4	540.8	532.3	524.8	516.8	510.7	507.2	503.2	499.2	497.6	497.6
17.5°	534.3	523.3	508.7	499.2	490.6	484.0	479.6	475.5	475.0	473.1	474.0
20°	503.2	488.6	474.5	467.5	462.5	458.4	453.9	451.9	450.4	447.4	446.3
22.5°	459.9	447.9	437.8	432.7	428.8	423.7	419.7	413.7	412.2	409.1	407.7
25°	412.2	402.6	394.1	390.6	388.1	381.0	378.5	370.5	365.0	361.5	363.4
27.5°	364.5	357.4	349.3	344.9	343.3	336.8	334.3	325.2	320.7	320.7	315.6
30°	315.1	308.6	303.6	298.5	297.6	289.5	283.0	279.5	274.4	272.4	268.9
32.5°	268.9	262.4	258.3	255.9	251.8	245.3	238.8	232.7	224.7	221.7	220.2
35°	226.2	221.1	216.2	214.1	208.6	201.6	193.6	188.5	179.0	175.4	173.9
37.5°	193.6	187.5	183.9	178.4	173.0	165.4	159.4	154.8	151.3	149.8	149.8
40°	167.4	162.9	158.9	154.3	149.8	145.8	142.8	141.8	141.2	141.2	142.3
42.5°	147.8	143.7	141.8	139.3	137.7	137.7	137.2	137.7	138.2	138.8	140.2
45°	134.7	132.2	131.2	130.7	131.7	132.7	133.2	134.2	136.3	137.2	137.7
47.5°	127.7	125.7	125.2	125.7	127.2	129.2	131.2	132.7	134.2	134.7	135.2
50°	120.6	118.1	117.1	118.1	120.1	123.1	124.7	127.2	128.2	129.2	128.2
52.5°	114.6	112.6	112.1	112.1	114.1	116.2	118.1	120.1	120.6	120.6	120.1
55°	109.5	108.1	106.5	107.6	109.1	111.1	114.1	115.6	116.6	117.1	117.1
57.5°	105.6	104.0	102.6	103.5	105.1	107.0	110.1	111.6	112.6	114.1	114.6
60°	102.6	100.5	99.1	100.5	102.1	105.1	107.6	109.1	111.6	112.1	112.1
62.5°	99.5	97.5	95.0	96.5	96.5	98.0	100.5	102.6	105.1	106.0	106.0
63°	99.1	97.0	94.5	95.5	95.5	96.5	98.5	100.5	103.5	104.6	104.0
65°	95.0	94.5	92.0	92.0	91.0	92.0	93.5	95.5	97.0	98.5	98.5
67.5°	88.5	88.0	87.5	87.5	87.5	88.5	89.4	91.0	92.5	93.5	93.0
70°	80.9	80.9	80.9	81.5	81.5	82.5	82.9	82.5	83.9	85.0	84.5
72.5°	74.4	73.9	73.4	74.4	73.9	73.9	74.9	74.4	75.9	75.9	76.4
75°	67.4	66.8	66.8	67.4	66.3	65.4	65.8	65.8	66.3	66.3	67.4
77.5°	61.3	61.3	61.3	60.8	59.8	59.3	58.9	58.9	58.9	58.9	59.3
80°	55.8	55.8	55.8	55.3	54.3	53.3	52.2	51.8	51.3	48.8	48.8
82.5°	50.3	50.3	50.3	50.3	49.7	48.8	47.3	43.2	41.2	39.2	39.7
85°	39.7	40.7	41.8	43.2	42.7	42.7	39.7	34.7	31.7	29.6	30.2
87.5°	25.6	22.6	22.6	22.1	21.1	20.1	20.1	17.1	14.1	12.5	13.1
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	527.3	0°
2.5°	528.3	527.3	526.3	526.3	524.8	524.8	523.7	525.8	523.7	522.3	522.3	2.5°
5°	524.2	523.3	520.2	519.8	517.7	517.7	517.7	516.8	516.8	515.8	515.2	5°
7.5°	521.8	519.3	516.8	515.2	515.2	514.2	516.3	515.2	515.8	515.8	516.3	7.5°
10°	519.8	517.7	516.8	516.3	516.3	517.7	519.3	519.8	519.3	519.8	519.8	10°
12.5°	514.7	515.8	516.3	518.2	520.7	523.7	527.3	527.8	528.8	528.8	529.8	12.5°
15°	498.7	501.1	504.1	509.2	515.8	522.3	528.8	534.3	539.4	541.9	543.8	15°
17.5°	476.1	478.5	484.0	489.6	498.1	507.7	518.8	528.3	538.9	548.4	557.9	17.5°
20°	445.4	449.4	450.9	460.9	471.0	484.0	497.1	512.2	530.3	548.4	567.0	20°
22.5°	405.7	410.2	417.2	425.3	435.9	451.9	467.5	491.1	515.2	540.8	570.1	22.5°
25°	361.5	366.4	372.4	381.0	391.6	408.7	431.3	456.4	486.1	519.8	556.0	25°
27.5°	315.6	320.7	325.7	331.7	343.8	361.9	388.6	414.7	447.4	484.0	526.3	27.5°
30°	269.9	270.5	273.5	281.0	293.6	317.2	336.8	369.4	403.6	442.4	491.1	30°
32.5°	219.7	219.2	222.7	229.2	241.2	263.9	288.0	319.7	353.4	402.2	452.4	32.5°
35°	174.9	174.9	181.5	188.0	201.6	217.6	238.8	266.9	306.6	351.8	402.2	35°
37.5°	151.3	154.8	158.9	165.4	176.0	188.5	207.0	231.7	262.9	306.1	352.3	37.5°
40°	143.7	145.8	149.3	155.3	164.4	176.0	189.5	208.1	232.2	266.9	309.1	40°
42.5°	140.7	141.2	143.2	147.8	155.9	167.4	181.5	198.0	216.2	240.7	277.5	42.5°
45°	137.7	137.2	138.2	141.8	148.3	161.3	177.4	195.5	213.7	234.2	264.4	45°
47.5°	135.2	135.2	135.2	136.7	142.8	155.9	174.4	195.5	217.1	240.3	269.9	47.5°
50°	128.2	127.7	127.7	128.7	133.2	147.3	169.4	195.0	223.2	253.4	287.0	50°
52.5°	120.1	120.1	120.6	121.1	125.2	139.3	163.8	195.0	230.3	270.5	312.6	52.5°
55°	117.6	118.1	118.7	118.1	121.1	133.2	157.8	192.0	233.3	284.0	340.3	55°
57.5°	115.6	116.6	116.6	116.2	118.1	128.2	151.8	186.0	230.7	289.0	359.9	57.5°
60°	112.6	112.6	112.6	111.1	112.1	121.1	142.8	176.5	222.7	284.5	362.9	60°
62.5°	106.0	106.0	105.1	104.6	104.0	111.1	130.7	162.4	208.1	272.4	355.3	62.5°
63°	104.6	104.0	104.0	102.6	102.6	109.1	128.2	160.3	204.0	269.4	352.3	63°
65°	99.1	99.1	99.1	98.0	97.5	102.6	118.1	146.3	188.5	255.3	337.3	65°
67.5°	93.0	93.5	92.5	92.0	91.5	94.5	106.5	128.7	164.4	225.7	309.1	67.5°
70°	84.5	85.0	85.0	84.5	83.9	85.9	93.5	110.6	136.3	188.0	263.4	70°
72.5°	76.9	77.9	77.9	79.0	79.0	80.4	83.4	92.0	109.1	146.7	207.0	72.5°
75°	68.9	69.3	70.4	71.4	70.4	69.8	70.4	76.9	85.5	108.6	147.8	75°
77.5°	61.9	63.3	63.3	62.8	61.3	60.3	60.3	63.3	70.4	82.5	105.6	77.5°
80°	51.3	53.8	54.3	52.7	51.3	51.3	52.2	54.3	58.9	67.9	79.9	80°
82.5°	41.2	43.7	44.2	44.8	44.2	45.7	45.7	46.2	48.8	55.8	65.4	82.5°
85°	31.7	33.7	35.2	35.6	36.2	36.7	36.2	33.7	35.2	39.7	44.2	85°
87.5°	14.1	14.6	13.6	14.1	13.6	14.1	14.6	12.0	11.6	15.5	16.1	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
527.3	527.3	527.3	527.3	527.3	527.3	527.3
521.8	521.8	522.3	521.2	521.2	521.8	520.2
513.7	515.8	515.8	515.8	514.7	515.8	516.3
515.8	517.2	518.2	518.2	517.7	519.8	521.2
518.2	520.7	521.8	521.8	521.8	524.2	527.8
527.8	529.8	531.3	531.3	532.3	535.3	539.4
545.4	547.9	547.9	547.4	550.5	553.9	558.4
565.0	572.0	575.5	575.0	577.5	582.1	587.2
583.6	603.2	611.7	617.7	620.3	626.3	627.9
599.2	631.8	655.4	675.5	685.1	691.2	698.2
593.7	637.9	680.1	721.3	750.5	780.1	792.7
571.0	626.3	681.7	742.0	794.7	847.5	885.7
543.4	609.7	684.1	769.5	853.1	934.0	998.2
511.7	594.2	689.6	795.2	904.8	1010.9	1103.8
472.0	564.5	676.1	797.7	926.9	1055.5	1176.3
421.8	524.2	644.5	779.6	927.9	1075.2	1219.5
371.5	473.5	604.2	753.5	914.8	1079.7	1246.6
336.3	428.3	563.5	720.3	893.8	1072.6	1259.7
312.1	395.5	527.3	690.2	871.1	1060.1	1261.7
310.2	381.6	503.6	668.1	853.1	1049.0	1261.7
327.3	389.0	495.6	657.0	845.5	1045.5	1262.7
359.4	419.2	510.2	665.5	851.5	1050.1	1267.3
398.1	465.0	549.4	695.2	877.1	1065.2	1277.3
433.3	517.7	616.3	752.4	923.9	1103.3	1305.4
453.9	563.0	687.2	833.0	1003.8	1179.3	1361.8
456.4	588.1	749.9	920.4	1100.8	1266.2	1451.7
454.4	590.2	758.0	937.0	1121.5	1287.8	1482.9
443.3	590.7	780.6	995.2	1192.8	1378.8	1569.8
415.2	574.5	788.7	1041.0	1282.8	1498.4	1732.1
366.4	528.8	765.1	1042.0	1317.5	1565.3	1834.7
294.6	441.9	663.0	948.0	1226.0	1499.5	1808.1
215.6	324.8	501.1	734.4	1000.3	1248.1	1548.7
143.2	210.2	337.8	523.3	717.3	898.2	1114.9
98.5	130.2	197.5	314.7	438.9	526.8	710.3
72.3	85.9	109.5	160.8	211.1	259.9	371.0
45.3	49.2	54.8	79.4	113.6	153.3	231.2
12.0	12.5	11.6	15.5	24.7	23.6	26.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)