

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: P152665

Luminaire Tested: **VXM-F02-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152665
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: VXM-F02-LED-E1-SLL
Description: VISION SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4594 lumens
Efficiency: N/A
Efficacy: 83.5 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

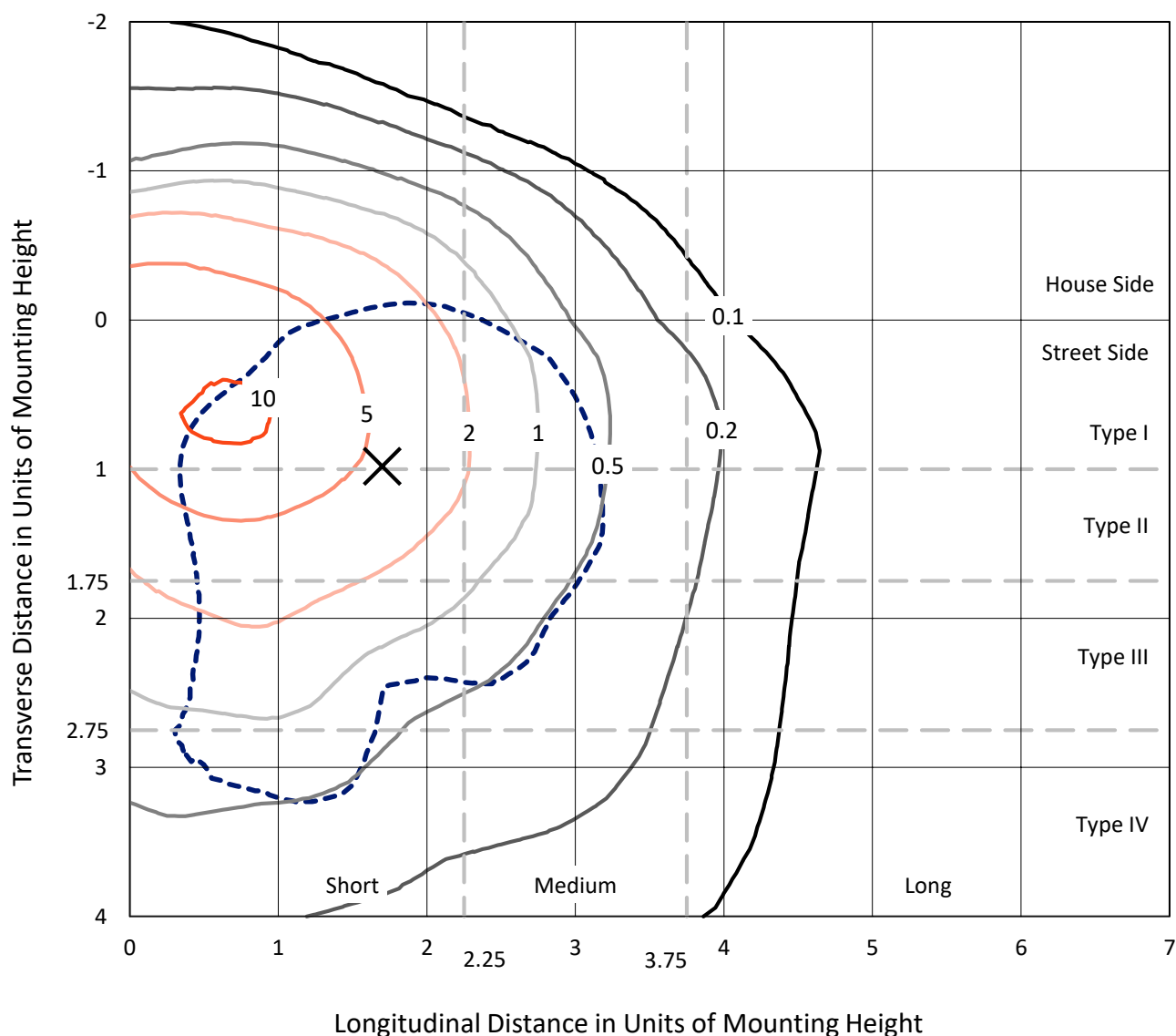


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

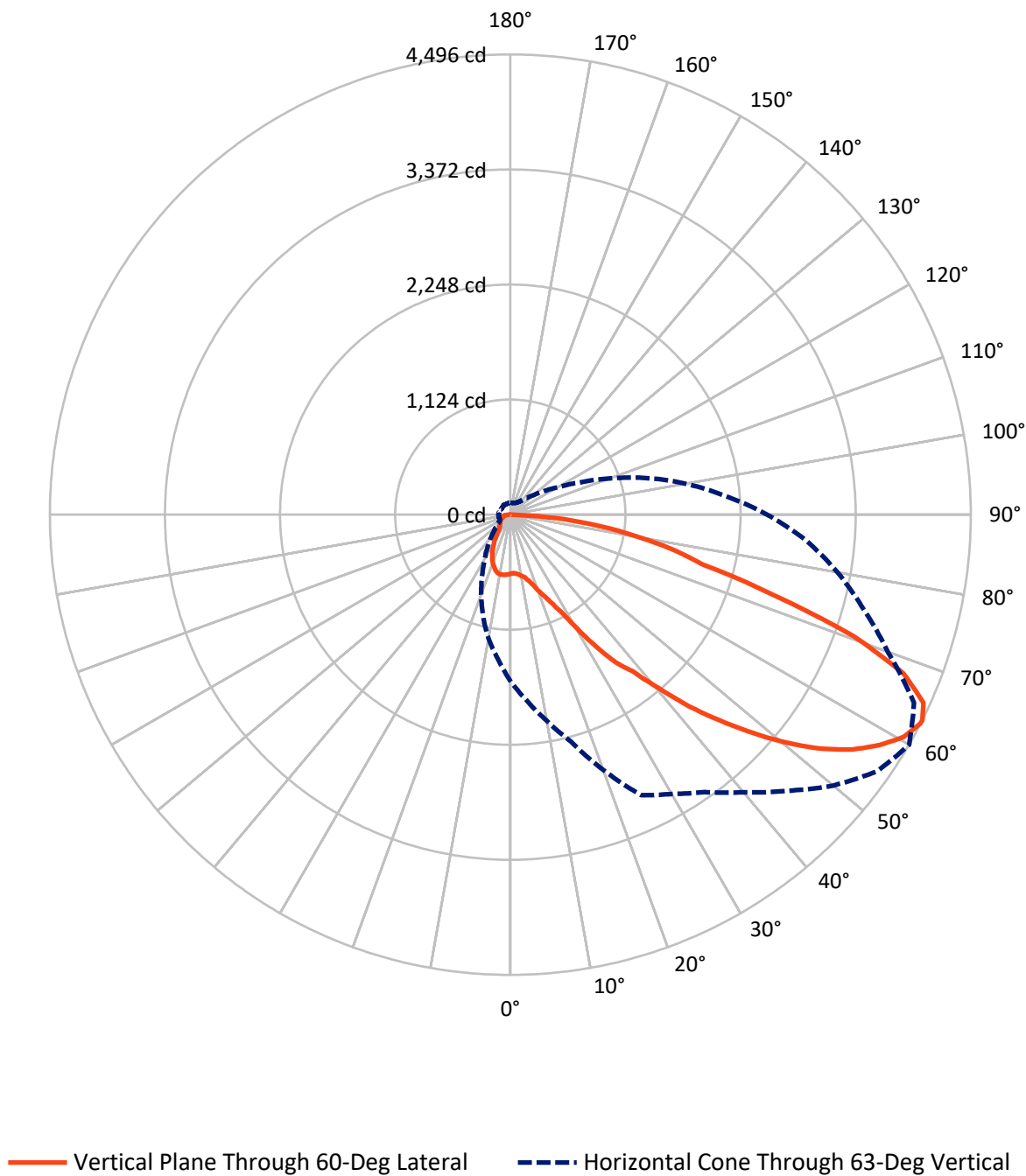


Based on 10 foot mounting height. Maximum calculated value = 11.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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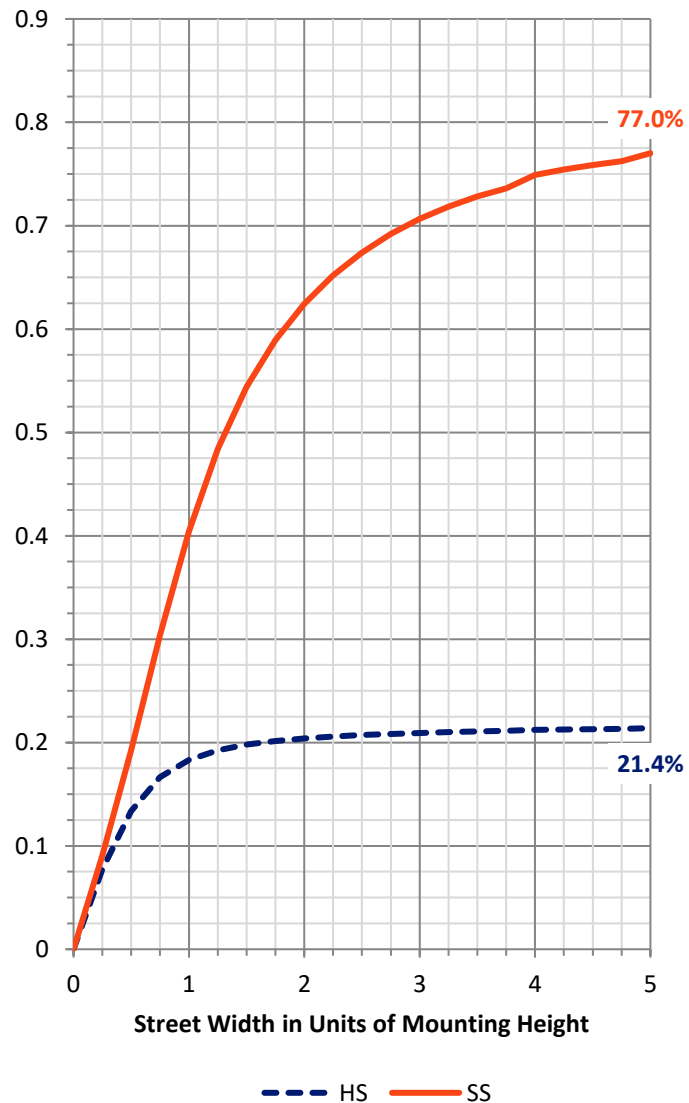
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.2	0.0	996.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3597.8	0.0	3597.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	4594.0	0.0	4594.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	1.2
10°-20°	175.0	3.8
20°-30°	310.9	6.8
30°-40°	489.7	10.7
40°-50°	720.6	15.7
50°-60°	957.2	20.8
60°-70°	1054.4	23.0
70°-80°	661.5	14.4
80°-90°	168.5	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°	4594.0	100.0
0°-180°	4594.0	100.0

Coefficient of Utilization



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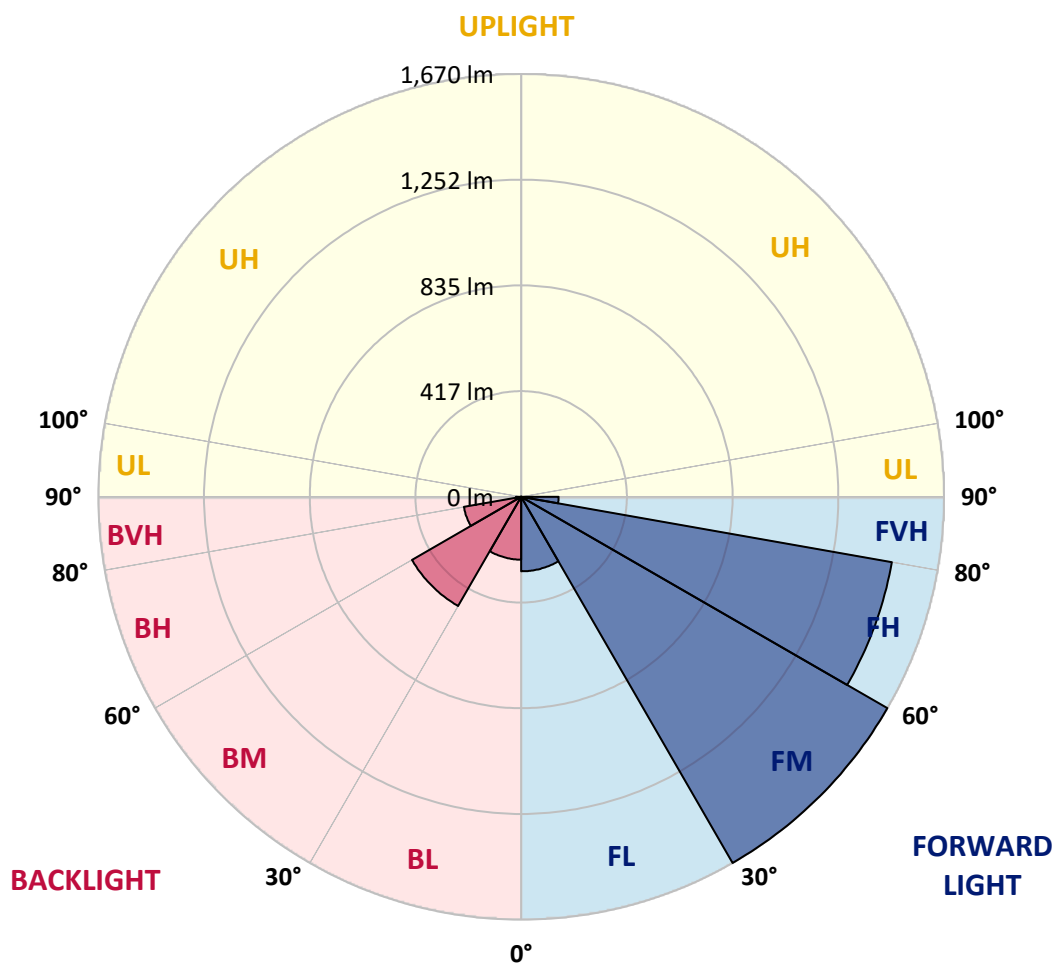
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.2	6.4			
FM	(30°-60°)	1669.6	36.3			
FH	(60°-80°)	1486.2	32.4			G1/1800
FVH	(80°-90°)	147.9	3.2			G2/225
BL	(0°-30°)	248.0	5.4	B1/500		
BM	(30°-60°)	497.9	10.8	B1/1000		
BH	(60°-80°)	229.6	5.0	B1/500		G1/500
BVH	(80°-90°)	20.6	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°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	569.6	570.7	570.7	570.2	570.2	571.3	570.7	570.2	568.5	570.7	570.7
5°	565.2	566.3	566.3	567.4	568.5	569.6	569.6	570.7	570.2	572.4	574.0
7.5°	570.7	571.8	574.0	576.8	578.4	582.3	582.3	585.0	586.1	587.8	587.2
10°	577.9	580.6	585.6	590.0	593.3	597.7	601.0	604.8	604.8	606.5	607.6
12.5°	590.5	593.3	598.8	604.3	609.2	614.7	619.7	623.5	627.4	628.5	630.7
15°	611.4	614.7	623.0	630.7	636.8	643.9	650.5	658.2	665.4	667.0	668.1
17.5°	642.8	649.4	655.5	669.2	678.0	687.4	697.8	708.9	711.1	722.6	725.4
20°	687.4	695.6	701.1	718.2	733.1	745.2	760.6	773.2	778.2	789.2	800.2
22.5°	764.4	762.8	771.0	788.1	799.1	823.3	836.5	849.7	856.3	872.9	881.7
25°	867.9	876.7	894.9	896.5	907.0	935.0	952.1	965.3	965.9	970.8	980.2
27.5°	969.7	1006.0	1034.7	1050.1	1078.1	1104.0	1102.9	1121.6	1092.4	1098.5	1107.3
30°	1093.0	1153.5	1207.5	1243.8	1272.4	1302.7	1317.5	1328.0	1315.3	1309.8	1299.4
32.5°	1208.6	1293.3	1376.4	1440.8	1494.2	1544.3	1577.3	1592.2	1609.8	1654.4	1670.3
35°	1287.8	1407.8	1511.3	1604.3	1693.4	1773.2	1831.0	1864.0	1851.4	1845.3	1842.0
37.5°	1335.1	1481.5	1610.9	1742.4	1844.8	1964.2	2053.9	2140.9	2160.7	2126.0	2108.9
40°	1364.9	1538.2	1704.4	1859.6	1992.3	2146.4	2257.5	2388.0	2487.0	2500.2	2459.5
42.5°	1379.2	1576.2	1769.9	1945.5	2124.9	2313.7	2454.6	2612.5	2760.6	2862.4	2837.1
45°	1381.4	1601.0	1817.8	2023.1	2236.6	2460.6	2642.2	2817.2	3015.4	3189.8	3194.8
47.5°	1381.4	1619.7	1850.8	2079.2	2336.8	2588.3	2786.4	2993.4	3236.1	3442.4	3505.7
50°	1382.5	1632.3	1881.6	2123.3	2413.3	2696.2	2920.2	3164.5	3419.9	3644.4	3766.6
52.5°	1387.4	1641.7	1905.9	2154.6	2462.8	2772.1	3024.2	3306.0	3560.2	3790.8	3948.8
55°	1398.4	1654.9	1923.5	2173.9	2495.8	2821.6	3099.6	3402.8	3651.0	3884.9	4105.6
57.5°	1429.3	1678.0	1944.9	2190.9	2514.0	2854.1	3152.4	3444.6	3685.7	3929.5	4188.7
60°	1490.9	1727.0	1981.8	2225.1	2544.3	2914.1	3177.7	3416.6	3660.4	3916.3	4207.4
62.5°	1589.4	1803.5	2033.0	2282.9	2630.7	3007.1	3158.5	3332.9	3560.8	3839.8	4140.8
63°	1623.5	1820.0	2044.6	2295.5	2654.3	3024.2	3150.2	3308.2	3540.4	3815.6	4117.2
65°	1718.7	1893.2	2099.6	2359.4	2751.7	3041.2	3085.8	3179.4	3399.5	3677.4	3977.4
67.5°	1896.5	2071.0	2217.9	2467.2	2833.8	2974.1	2886.0	2897.6	3127.6	3415.5	3685.1
70°	2008.8	2216.8	2293.3	2481.0	2818.9	2874.5	2627.4	2474.4	2658.7	2986.7	3222.8
72.5°	1979.6	2218.5	2210.2	2297.7	2521.7	2573.4	2317.5	2076.5	2186.0	2430.9	2583.9
75°	1695.6	1981.3	1920.7	1903.1	1981.8	2015.9	1823.9	1787.0	1925.1	2061.1	2063.3
77.5°	1220.7	1534.9	1463.9	1362.1	1356.6	1435.3	1461.2	1702.8	1907.0	2014.3	1967.0
80°	777.6	1118.3	1044.6	866.8	864.0	966.4	1193.7	1522.3	1738.6	1798.5	1675.3
82.5°	406.2	732.0	760.0	650.5	744.6	914.1	1135.9	1226.7	1308.7	1317.0	1171.7
85°	253.2	450.2	529.4	546.5	672.5	810.7	809.0	777.1	740.8	634.0	573.5
87.5°	28.6	56.7	85.9	81.5	109.5	153.5	191.5	112.3	78.7	28.6	39.6
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°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	571.8	572.4	572.9	572.9	575.7	575.1	575.7	576.8	578.4	579.5	580.6
5°	576.2	576.2	578.4	580.1	583.4	585.6	586.7	590.0	593.8	592.7	596.0
7.5°	590.5	590.0	592.2	593.3	596.0	599.9	599.3	602.1	605.4	606.5	609.2
10°	609.8	608.1	608.1	607.0	607.6	606.5	606.5	606.5	608.7	608.1	610.3
12.5°	629.6	629.0	627.9	624.6	624.6	620.2	618.0	615.3	614.7	610.9	611.4
15°	670.3	670.3	668.1	661.5	656.0	652.2	646.7	642.8	637.3	630.2	626.3
17.5°	729.8	722.1	719.3	718.2	709.4	706.1	694.0	681.3	675.3	665.4	659.9
20°	802.4	800.8	789.8	784.2	773.2	757.8	742.4	725.9	716.0	703.9	697.3
22.5°	884.4	872.3	866.8	858.5	841.5	823.9	800.8	778.7	763.3	755.1	750.1
25°	980.2	968.1	962.6	951.6	930.6	911.9	883.3	857.4	843.7	829.9	822.2
27.5°	1107.3	1095.7	1089.1	1060.5	1053.4	1022.6	987.3	952.1	933.9	913.6	900.4
30°	1297.2	1297.7	1263.6	1228.9	1193.2	1139.8	1102.9	1063.3	1033.6	1004.4	975.2
32.5°	1618.0	1536.0	1472.7	1398.4	1320.8	1264.2	1218.5	1171.1	1129.9	1087.5	1039.1
35°	1814.0	1774.3	1692.3	1556.4	1478.2	1409.4	1358.8	1301.6	1250.9	1176.1	1102.4
37.5°	2035.2	1943.3	1843.7	1768.3	1679.7	1599.9	1515.1	1450.2	1362.7	1262.0	1157.4
40°	2358.2	2226.7	2106.7	2005.5	1891.0	1807.3	1712.7	1618.6	1502.5	1356.6	1213.0
42.5°	2695.6	2559.7	2401.2	2269.6	2134.8	2036.8	1919.6	1787.5	1616.9	1436.4	1260.9
45°	3049.5	2867.9	2678.0	2517.3	2377.0	2255.3	2110.0	1935.0	1727.0	1508.0	1305.4
47.5°	3398.4	3189.8	2963.6	2790.8	2608.1	2459.5	2281.2	2060.0	1812.9	1575.7	1350.0
50°	3706.1	3505.2	3232.8	3013.2	2828.2	2645.0	2422.6	2156.3	1880.5	1634.0	1390.2
52.5°	3971.3	3798.5	3511.8	3234.4	3021.4	2815.6	2536.6	2233.9	1948.8	1687.9	1423.2
55°	4166.1	4051.1	3787.0	3443.0	3191.5	2946.0	2632.9	2308.7	2013.2	1730.9	1444.7
57.5°	4313.1	4249.3	4022.5	3639.5	3347.8	3072.6	2732.5	2398.4	2077.0	1767.7	1454.6
60°	4393.4	4411.1	4200.8	3811.2	3485.9	3178.3	2832.1	2474.9	2124.4	1789.2	1449.1
62.5°	4385.7	4493.6	4334.6	3916.8	3566.3	3241.0	2899.2	2510.7	2117.7	1755.1	1399.0
63°	4370.9	4496.4	4349.4	3924.0	3571.2	3243.2	2900.9	2505.7	2104.0	1738.6	1379.2
65°	4242.6	4433.1	4336.8	3891.5	3527.2	3201.9	2866.2	2434.2	2007.1	1649.9	1277.4
67.5°	3899.2	4137.5	4110.0	3662.0	3318.6	3031.3	2689.0	2203.6	1767.7	1432.0	1082.5
70°	3331.8	3555.8	3560.8	3184.9	2898.1	2616.4	2331.8	1793.0	1401.2	1110.1	807.4
72.5°	2553.6	2697.8	2747.9	2500.2	2308.2	2110.0	1854.7	1301.6	998.9	755.1	525.6
75°	1977.4	1937.8	1937.2	1832.7	1754.5	1657.7	1377.0	878.4	656.0	490.9	321.4
77.5°	1777.6	1601.5	1430.9	1305.4	1242.7	1210.2	903.1	529.4	386.9	282.3	184.9
80°	1466.1	1206.4	974.7	839.3	785.3	822.8	503.6	286.2	211.9	160.7	120.0
82.5°	1011.0	839.3	637.9	528.3	453.5	474.4	257.6	146.4	98.0	89.7	74.3
85°	526.7	461.7	389.6	334.6	295.5	259.8	133.7	69.9	40.7	35.8	32.5
87.5°	0.0	0.6	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°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	582.3	581.7	582.8	583.4	585.0	586.1	586.7	585.6	587.2	588.9	587.8
5°	597.7	601.5	602.1	603.7	603.7	607.0	607.0	607.0	606.5	607.0	605.9
7.5°	610.9	615.8	616.4	618.6	619.1	623.0	621.3	622.4	622.4	619.7	618.6
10°	612.5	617.5	620.2	623.0	626.8	631.8	631.8	634.6	634.6	632.4	631.8
12.5°	613.1	616.9	619.7	623.5	629.0	636.2	640.1	643.9	645.6	645.0	643.4
15°	624.6	624.6	625.2	628.5	632.4	641.2	646.7	651.1	653.8	652.7	650.0
17.5°	654.9	650.5	647.2	641.7	642.8	647.2	650.5	654.4	654.9	653.8	649.4
20°	690.1	684.6	676.4	667.6	663.2	659.9	657.7	657.7	656.0	650.5	643.4
22.5°	740.2	733.1	721.5	708.3	699.5	689.0	676.4	664.3	651.1	637.9	622.4
25°	809.6	799.7	787.6	767.2	748.5	726.5	700.6	673.6	642.3	614.7	592.2
27.5°	879.5	857.4	826.1	798.0	763.3	730.3	693.4	660.4	620.2	587.2	562.5
30°	937.2	895.4	850.3	805.7	760.0	715.5	671.4	631.8	587.8	554.2	530.0
32.5°	981.8	924.0	861.3	803.0	746.8	692.3	641.7	597.7	553.1	518.4	492.6
35°	1023.1	942.7	862.9	790.9	721.5	664.8	607.6	559.7	512.4	476.1	448.0
37.5°	1053.9	951.6	853.0	768.3	688.5	625.2	566.9	517.9	469.4	429.8	397.9
40°	1073.7	946.1	831.6	735.8	649.4	582.8	523.4	472.8	426.0	382.5	344.0
42.5°	1089.7	938.9	810.1	706.1	618.6	545.9	484.9	430.4	383.0	335.7	293.3
45°	1113.4	944.4	800.8	685.2	591.1	514.6	447.4	390.7	341.2	295.0	254.3
47.5°	1136.5	947.2	787.0	659.3	556.4	482.1	413.9	358.8	308.2	265.8	228.4
50°	1157.4	945.5	765.5	626.3	522.8	449.6	383.6	328.6	278.5	239.4	204.2
52.5°	1167.3	936.1	739.1	594.4	495.9	421.0	353.9	300.5	251.0	214.1	181.6
55°	1166.2	911.9	704.4	564.1	466.1	390.7	324.7	271.9	227.3	193.2	165.1
57.5°	1149.7	874.5	667.6	530.5	427.1	353.3	290.6	239.4	202.0	173.4	149.7
60°	1115.0	826.6	619.1	481.6	378.1	307.1	248.2	204.2	173.9	151.9	136.5
62.5°	1050.1	757.8	558.6	413.3	312.0	247.1	195.9	167.3	144.7	131.5	124.4
63°	1030.8	739.1	532.7	396.8	296.6	233.3	184.9	155.2	138.7	127.1	120.5
65°	935.0	647.2	445.8	320.3	230.6	180.0	148.6	126.0	116.1	111.2	110.6
67.5°	757.3	509.1	315.4	219.6	156.8	129.9	113.9	104.6	100.2	99.1	100.2
70°	531.6	321.4	200.3	145.8	116.1	104.6	97.4	93.6	90.8	91.4	92.5
72.5°	339.0	192.6	137.6	110.6	98.0	91.9	88.6	87.5	87.0	86.4	86.4
75°	193.2	128.2	105.7	95.8	89.2	84.2	81.5	80.4	80.9	81.5	80.4
77.5°	127.7	105.7	94.1	87.5	81.5	75.9	74.3	73.7	74.8	75.9	75.9
80°	100.7	94.1	87.5	80.9	71.0	67.1	68.2	68.8	68.2	68.8	67.1
82.5°	71.0	69.9	71.5	68.8	58.9	55.6	54.5	55.0	53.9	53.9	52.8
85°	33.0	33.0	34.7	34.7	33.6	34.1	36.9	40.2	41.8	40.2	38.0
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	9.9	14.3	15.4	19.3	18.7
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: VXM-F02-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	586.1	587.2	586.7	586.1	587.2	586.1	586.7	586.1	586.1	585.6	585.6
5°	604.8	606.5	603.2	602.6	601.5	598.8	598.8	597.7	597.7	595.5	593.8
7.5°	616.9	617.5	614.7	614.2	611.4	608.7	606.5	604.3	603.7	602.1	598.8
10°	628.5	627.4	625.2	622.4	619.7	615.8	613.1	610.3	609.8	607.0	603.2
12.5°	638.4	637.9	633.5	630.7	626.3	622.4	619.1	615.8	614.2	610.9	605.4
15°	645.0	641.7	636.2	631.3	626.3	621.9	618.0	614.2	612.5	608.7	603.2
17.5°	642.3	636.2	629.0	623.0	616.4	610.9	607.6	603.7	601.0	598.8	591.1
20°	632.4	623.5	612.5	605.4	596.6	589.4	587.2	583.4	581.2	572.9	563.0
22.5°	606.5	593.8	580.1	569.6	559.7	552.6	547.0	543.2	537.7	532.7	517.3
25°	574.0	559.7	545.4	532.7	519.5	508.5	498.6	489.3	486.5	476.1	461.2
27.5°	542.6	526.7	512.4	497.5	480.5	466.7	449.6	436.4	427.6	416.6	402.9
30°	509.1	493.1	473.9	454.0	434.2	419.4	400.1	384.1	373.1	361.6	348.9
32.5°	466.7	447.4	424.3	402.3	384.1	366.5	347.3	331.9	320.9	310.4	298.3
35°	418.3	392.9	368.2	344.0	324.7	309.8	292.8	281.2	273.5	264.2	251.5
37.5°	362.7	334.1	307.6	288.9	271.9	257.6	245.5	238.3	230.0	225.1	217.4
40°	306.5	278.5	252.6	235.5	221.2	213.0	206.4	204.7	199.2	192.6	187.7
42.5°	257.0	230.0	204.7	191.0	181.6	179.4	176.1	176.1	173.4	168.4	165.1
45°	223.4	195.4	173.4	163.5	158.5	158.0	156.3	156.3	155.7	153.5	149.7
47.5°	199.2	173.9	156.8	150.8	149.7	148.6	146.9	146.4	145.8	144.2	142.0
50°	177.2	155.7	144.7	142.0	142.5	140.9	139.2	137.6	137.0	135.4	133.2
52.5°	156.8	141.4	134.3	132.6	132.6	132.6	131.5	131.5	130.4	129.9	127.7
55°	145.3	133.7	129.9	129.3	128.8	128.2	127.1	127.1	126.0	125.5	122.7
57.5°	135.4	128.2	126.0	124.9	124.4	123.3	122.7	122.7	122.7	122.7	119.4
60°	127.7	124.4	123.8	122.7	122.2	120.0	118.9	118.3	118.9	119.4	116.1
62.5°	119.4	118.9	118.3	117.2	116.7	114.5	112.8	111.7	112.8	113.9	113.4
63°	117.2	116.7	116.7	116.1	115.6	112.8	111.2	110.1	111.2	112.3	112.3
65°	109.5	110.1	110.1	109.5	109.0	107.3	105.1	104.0	104.6	106.2	106.8
67.5°	101.3	101.8	101.3	101.8	101.3	100.2	98.5	97.4	96.9	97.4	98.0
70°	93.6	94.7	94.1	93.6	93.0	93.0	91.9	90.3	89.7	89.2	89.2
72.5°	87.0	87.0	85.9	85.9	85.3	85.3	84.2	82.6	82.0	82.0	80.9
75°	79.8	79.8	78.1	78.1	77.0	77.6	76.5	74.8	74.3	74.3	73.7
77.5°	75.4	73.7	71.0	70.4	69.9	69.9	69.3	67.7	67.1	67.1	66.6
80°	66.6	63.3	60.5	60.0	60.5	61.6	61.6	60.5	60.5	60.5	60.5
82.5°	51.7	50.6	49.0	47.9	47.9	49.5	51.7	52.8	53.9	55.0	55.0
85°	38.0	38.5	38.0	36.3	35.8	37.4	39.6	41.8	42.4	44.6	44.0
87.5°	20.4	20.9	19.3	18.7	20.4	21.5	23.7	24.2	25.3	25.9	26.4
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3
2.5°	585.0	584.5	585.0	583.9	583.9	582.8	581.7	581.2	580.1	579.5	578.4
5°	594.9	593.3	591.6	591.1	588.9	586.7	585.0	582.3	580.1	576.2	575.1
7.5°	601.5	597.7	595.5	594.9	591.6	590.0	586.1	582.8	579.5	574.6	572.9
10°	604.3	600.4	596.6	594.9	591.1	588.3	584.5	579.5	576.8	571.8	570.7
12.5°	607.6	600.4	594.4	590.0	584.5	578.4	574.6	571.8	568.0	565.2	564.1
15°	601.5	592.2	582.8	574.6	565.8	559.2	555.3	550.9	546.5	544.8	544.8
17.5°	585.0	572.9	557.0	546.5	537.1	530.0	525.0	520.6	520.1	517.9	519.0
20°	550.9	534.9	519.5	511.8	506.3	501.9	497.0	494.8	493.1	489.8	488.7
22.5°	503.6	490.4	479.4	473.9	469.4	463.9	459.5	452.9	451.3	448.0	446.3
25°	451.3	440.8	431.5	427.6	424.9	417.2	414.4	405.6	399.6	395.7	397.9
27.5°	399.0	391.3	382.5	377.5	375.9	368.7	366.0	356.1	351.1	351.1	345.6
30°	345.1	337.9	332.4	326.9	325.8	317.0	309.8	306.0	300.5	298.3	294.4
32.5°	294.4	287.3	282.9	280.1	275.7	268.6	261.4	254.8	246.0	242.7	241.1
35°	247.7	242.2	236.7	234.4	228.4	220.7	211.9	206.4	195.9	192.1	190.4
37.5°	211.9	205.3	201.4	195.4	189.3	181.1	174.5	169.5	165.7	164.0	164.0
40°	183.3	178.3	173.9	169.0	164.0	159.6	156.3	155.2	154.6	154.6	155.7
42.5°	161.8	157.4	155.2	152.4	150.8	150.8	150.2	150.8	151.3	151.9	153.5
45°	147.5	144.7	143.6	143.1	144.2	145.3	145.8	146.9	149.1	150.2	150.8
47.5°	139.8	137.6	137.0	137.6	139.2	141.4	143.6	145.3	146.9	147.5	148.0
50°	132.1	129.3	128.2	129.3	131.5	134.8	136.5	139.2	140.3	141.4	140.3
52.5°	125.5	123.3	122.7	122.7	124.9	127.1	129.3	131.5	132.1	132.1	131.5
55°	120.0	118.3	116.7	117.8	119.4	121.6	124.9	126.6	127.7	128.2	128.2
57.5°	115.6	113.9	112.3	113.4	115.0	117.2	120.5	122.2	123.3	124.9	125.5
60°	112.3	110.1	108.4	110.1	111.7	115.0	117.8	119.4	122.2	122.7	122.7
62.5°	109.0	106.8	104.0	105.7	105.7	107.3	110.1	112.3	115.0	116.1	116.1
63°	108.4	106.2	103.5	104.6	104.6	105.7	107.9	110.1	113.4	114.5	113.9
65°	104.0	103.5	100.7	100.7	99.6	100.7	102.4	104.6	106.2	107.9	107.9
67.5°	96.9	96.3	95.8	95.8	95.8	96.9	98.0	99.6	101.3	102.4	101.8
70°	88.6	88.6	88.6	89.2	89.2	90.3	90.8	90.3	91.9	93.0	92.5
72.5°	81.5	80.9	80.4	81.5	80.9	80.9	82.0	81.5	83.1	83.1	83.7
75°	73.7	73.2	73.2	73.7	72.6	71.5	72.1	72.1	72.6	72.6	73.7
77.5°	67.1	67.1	67.1	66.6	65.5	64.9	64.4	64.4	64.4	64.4	64.9
80°	61.1	61.1	61.1	60.5	59.4	58.3	57.2	56.7	56.1	53.4	53.4
82.5°	55.0	55.0	55.0	55.0	54.5	53.4	51.7	47.3	45.1	42.9	43.5
85°	43.5	44.6	45.7	47.3	46.8	46.8	43.5	38.0	34.7	32.5	33.0
87.5°	28.1	24.8	24.8	24.2	23.1	22.0	22.0	18.7	15.4	13.8	14.3
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°	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	577.3	0°
2.5°	578.4	577.3	576.2	576.2	574.6	574.6	573.5	575.7	573.5	571.8	571.8	2.5°
5°	574.0	572.9	569.6	569.1	566.9	566.9	566.9	565.8	565.8	564.7	564.1	5°
7.5°	571.3	568.5	565.8	564.1	564.1	563.0	565.2	564.1	564.7	564.7	565.2	7.5°
10°	569.1	566.9	565.8	565.2	565.2	566.9	568.5	569.1	568.5	569.1	569.1	10°
12.5°	563.6	564.7	565.2	567.4	570.2	573.5	577.3	577.9	579.0	579.0	580.1	12.5°
15°	545.9	548.7	552.0	557.5	564.7	571.8	579.0	585.0	590.5	593.3	595.5	15°
17.5°	521.2	523.9	530.0	536.0	545.4	555.9	568.0	578.4	590.0	600.4	610.9	17.5°
20°	487.6	492.0	493.7	504.7	515.7	530.0	544.3	560.8	580.6	600.4	620.8	20°
22.5°	444.1	449.1	456.8	465.6	477.2	494.8	511.8	537.7	564.1	592.2	624.1	22.5°
25°	395.7	401.2	407.8	417.2	428.7	447.4	472.2	499.7	532.2	569.1	608.7	25°
27.5°	345.6	351.1	356.6	363.2	376.4	396.3	425.4	454.0	489.8	530.0	576.2	27.5°
30°	295.5	296.1	299.4	307.6	321.4	347.3	368.7	404.5	441.9	484.3	537.7	30°
32.5°	240.5	240.0	243.8	251.0	264.2	288.9	315.4	350.0	386.9	440.3	495.3	32.5°
35°	191.5	191.5	198.7	205.8	220.7	238.3	261.4	292.2	335.7	385.2	440.3	35°
37.5°	165.7	169.5	173.9	181.1	192.6	206.4	226.7	253.7	287.8	335.2	385.8	37.5°
40°	157.4	159.6	163.5	170.1	180.0	192.6	207.5	227.8	254.3	292.2	338.5	40°
42.5°	154.1	154.6	156.8	161.8	170.6	183.3	198.7	216.8	236.7	263.6	303.8	42.5°
45°	150.8	150.2	151.3	155.2	162.4	176.7	194.3	214.1	233.9	256.5	289.5	45°
47.5°	148.0	148.0	148.0	149.7	156.3	170.6	191.0	214.1	237.8	263.1	295.5	47.5°
50°	140.3	139.8	139.8	140.9	145.8	161.3	185.5	213.5	244.4	277.4	314.2	50°
52.5°	131.5	131.5	132.1	132.6	137.0	152.4	179.4	213.5	252.1	296.1	342.3	52.5°
55°	128.8	129.3	129.9	129.3	132.6	145.8	172.8	210.2	255.4	310.9	372.6	55°
57.5°	126.6	127.7	127.7	127.1	129.3	140.3	166.2	203.6	252.6	316.5	394.1	57.5°
60°	123.3	123.3	123.3	121.6	122.7	132.6	156.3	193.2	243.8	311.5	397.4	60°
62.5°	116.1	116.1	115.0	114.5	113.9	121.6	143.1	177.8	227.8	298.3	389.1	62.5°
63°	114.5	113.9	113.9	112.3	112.3	119.4	140.3	175.6	223.4	295.0	385.8	63°
65°	108.4	108.4	108.4	107.3	106.8	112.3	129.3	160.2	206.4	279.6	369.3	65°
67.5°	101.8	102.4	101.3	100.7	100.2	103.5	116.7	140.9	180.0	247.1	338.5	67.5°
70°	92.5	93.0	93.0	92.5	91.9	94.1	102.4	121.1	149.1	205.8	288.4	70°
72.5°	84.2	85.3	85.3	86.4	86.4	88.1	91.4	100.7	119.4	160.7	226.7	72.5°
75°	75.4	75.9	77.0	78.1	77.0	76.5	77.0	84.2	93.6	118.9	161.8	75°
77.5°	67.7	69.3	69.3	68.8	67.1	66.0	66.0	69.3	77.0	90.3	115.6	77.5°
80°	56.1	58.9	59.4	57.8	56.1	56.1	57.2	59.4	64.4	74.3	87.5	80°
82.5°	45.1	47.9	48.4	49.0	48.4	50.1	50.1	50.6	53.4	61.1	71.5	82.5°
85°	34.7	36.9	38.5	39.1	39.6	40.2	39.6	36.9	38.5	43.5	48.4	85°
87.5°	15.4	16.0	14.9	15.4	14.9	15.4	16.0	13.2	12.7	17.1	17.6	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°
577.3	577.3	577.3	577.3	577.3	577.3	577.3
571.3	571.3	571.8	570.7	570.7	571.3	569.6
562.5	564.7	564.7	564.7	563.6	564.7	565.2
564.7	566.3	567.4	567.4	566.9	569.1	570.7
567.4	570.2	571.3	571.3	571.3	574.0	577.9
577.9	580.1	581.7	581.7	582.8	586.1	590.5
597.1	599.9	599.9	599.3	602.6	606.5	611.4
618.6	626.3	630.2	629.6	632.4	637.3	642.8
639.0	660.4	669.8	676.4	679.1	685.7	687.4
656.0	691.8	717.7	739.7	750.1	756.7	764.4
650.0	698.4	744.6	789.8	821.7	854.1	867.9
625.2	685.7	746.3	812.3	870.1	927.9	969.7
594.9	667.6	749.0	842.6	933.9	1022.6	1093.0
560.3	650.5	755.1	870.7	990.6	1106.8	1208.6
516.8	618.0	740.2	873.4	1014.8	1155.7	1287.8
461.7	574.0	705.5	853.6	1015.9	1177.2	1335.1
406.7	518.4	661.5	825.0	1001.6	1182.2	1364.9
368.2	468.9	616.9	788.7	978.5	1174.4	1379.2
341.8	433.1	577.3	755.6	953.8	1160.7	1381.4
339.6	417.7	551.5	731.4	933.9	1148.6	1381.4
358.3	426.0	542.6	719.3	925.7	1144.7	1382.5
393.5	459.0	558.6	728.7	932.3	1149.7	1387.4
435.9	509.1	601.5	761.1	960.4	1166.2	1398.4
474.4	566.9	674.7	823.9	1011.5	1208.0	1429.3
497.0	616.4	752.3	911.9	1099.0	1291.1	1490.9
499.7	643.9	821.1	1007.7	1205.3	1386.3	1589.4
497.5	646.1	829.9	1025.9	1227.8	1410.0	1623.5
485.4	646.7	854.7	1089.7	1306.0	1509.6	1718.7
454.6	629.0	863.5	1139.8	1404.5	1640.6	1896.5
401.2	579.0	837.6	1140.9	1442.5	1713.8	2008.8
322.5	483.8	725.9	1038.0	1342.3	1641.7	1979.6
236.1	355.5	548.7	804.1	1095.2	1366.5	1695.6
156.8	230.0	369.8	572.9	785.3	983.5	1220.7
107.9	142.5	216.3	344.5	480.5	576.8	777.6
79.3	94.1	120.0	176.1	231.1	284.5	406.2
49.5	53.9	60.0	87.0	124.4	167.9	253.2
13.2	13.8	12.7	17.1	27.0	25.9	28.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)