

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: P152749

Luminaire Tested: **VXS-E05-LED-E1-SLL-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152749
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-E05-LED-E1-SLL-7030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12706.8 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 127.3
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



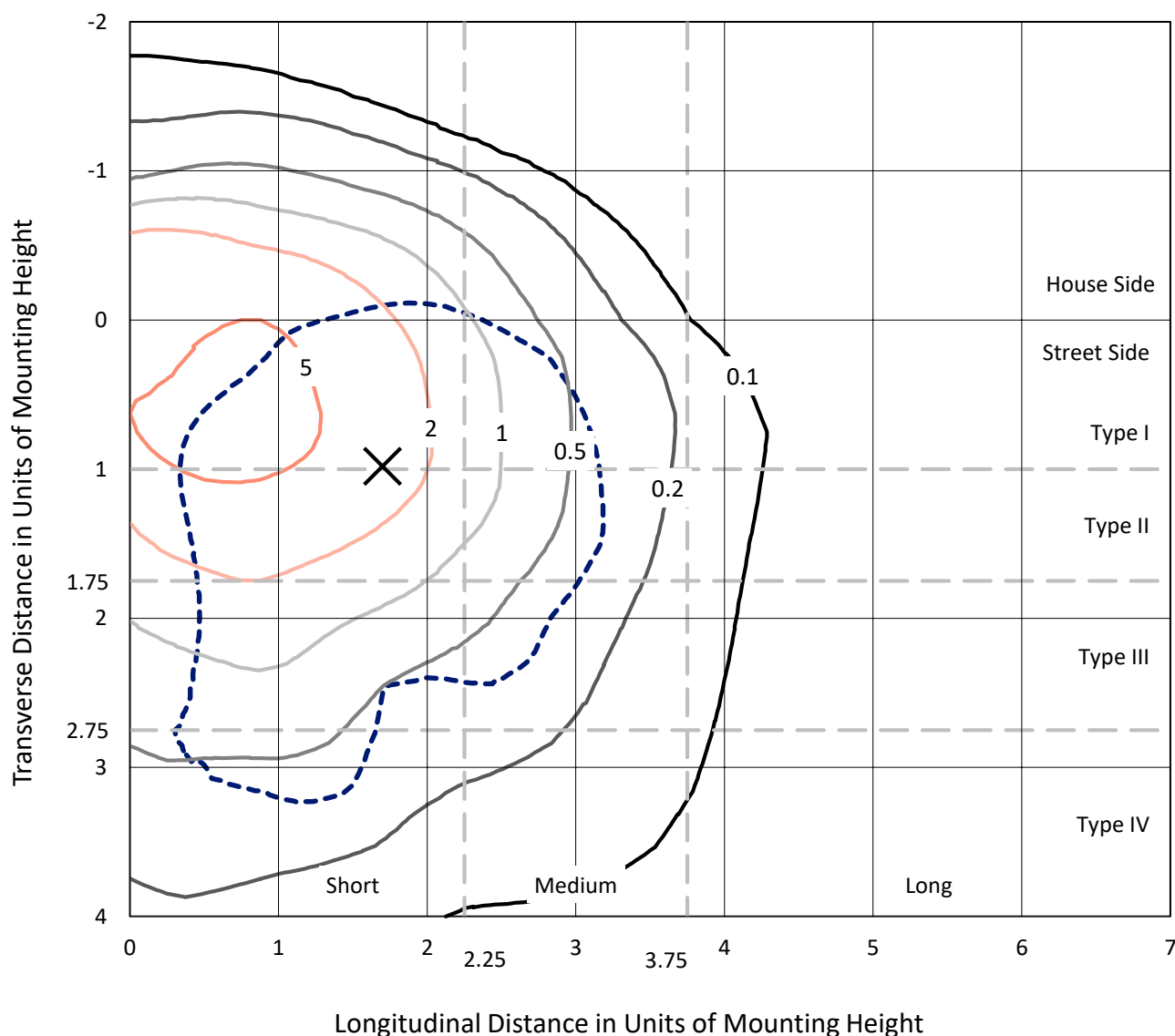
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

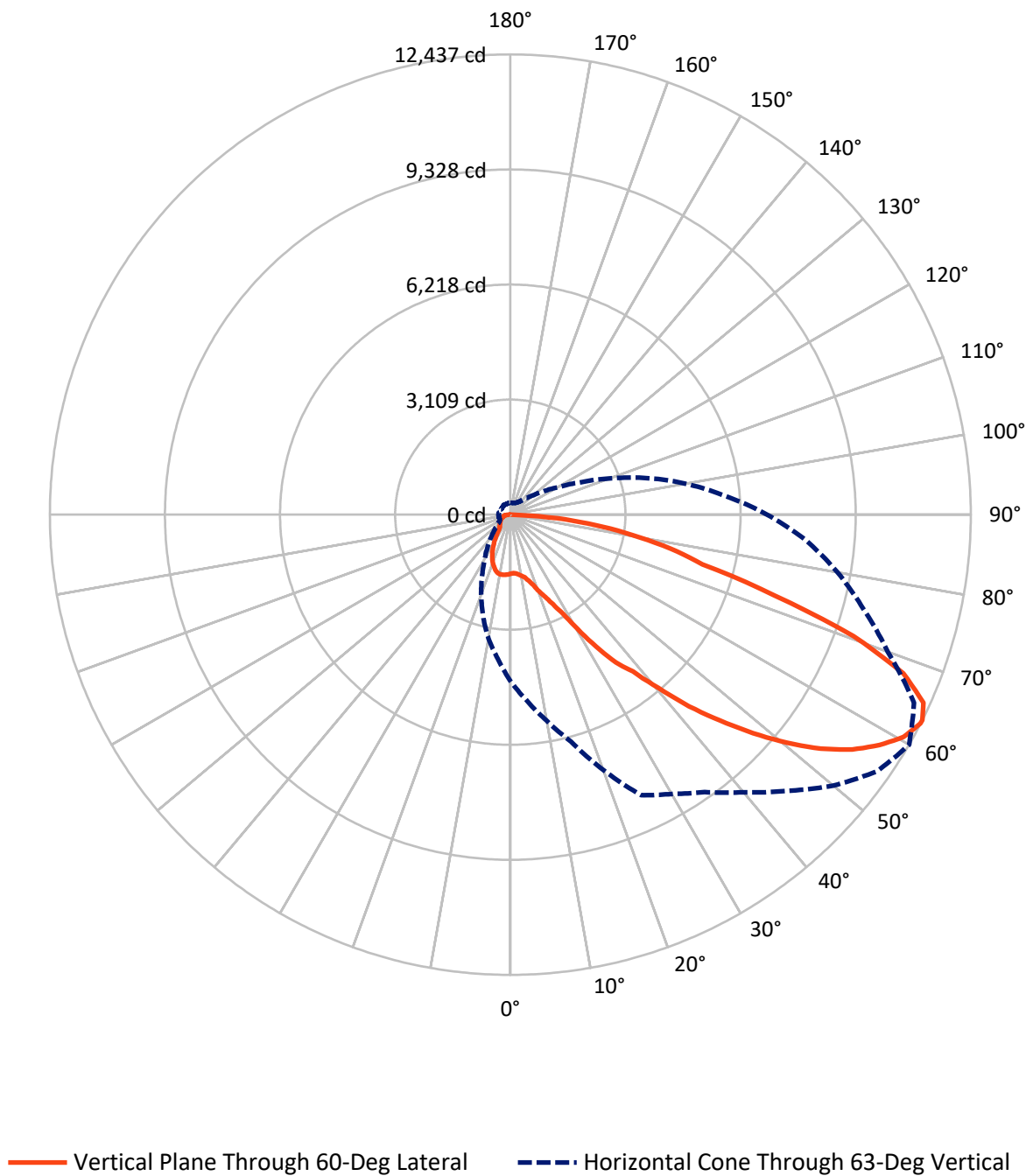


Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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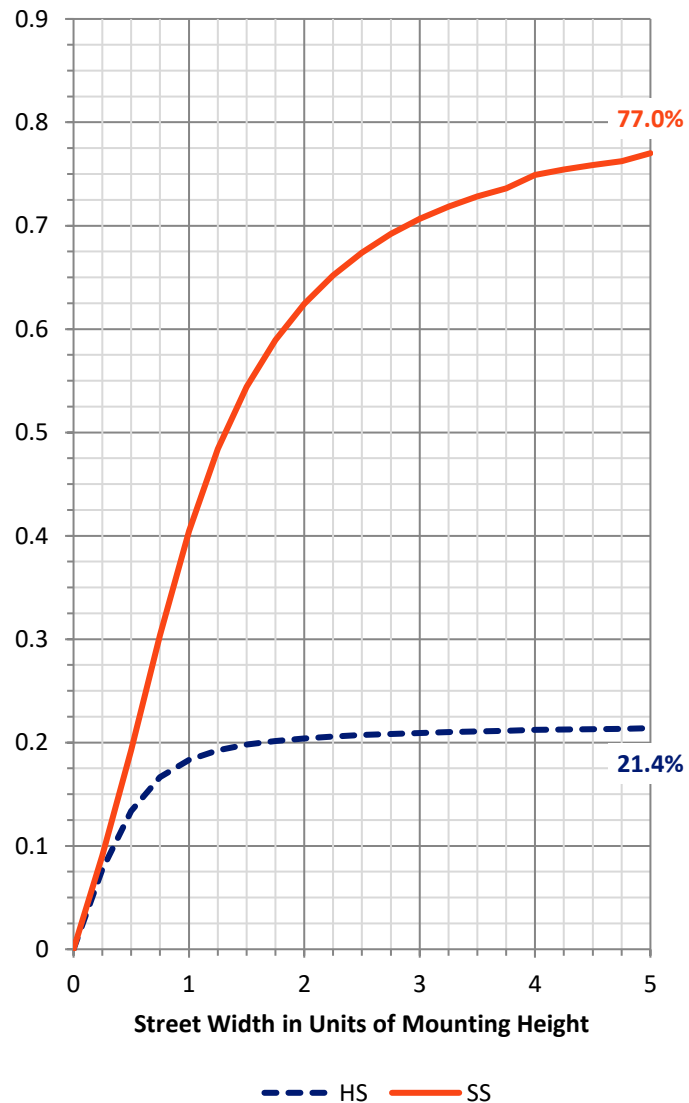
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2755.4	0.0	2755.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	9951.4	0.0	9951.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	12706.8	0.0	12706.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.2
10°-20°	484.1	3.8
20°-30°	860.1	6.8
30°-40°	1354.4	10.7
40°-50°	1993.2	15.7
50°-60°	2647.6	20.8
60°-70°	2916.3	23.0
70°-80°	1829.7	14.4
80°-90°	466.0	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°	12706.8	100.0
0°-180°	12706.8	100.0

Coefficient of Utilization



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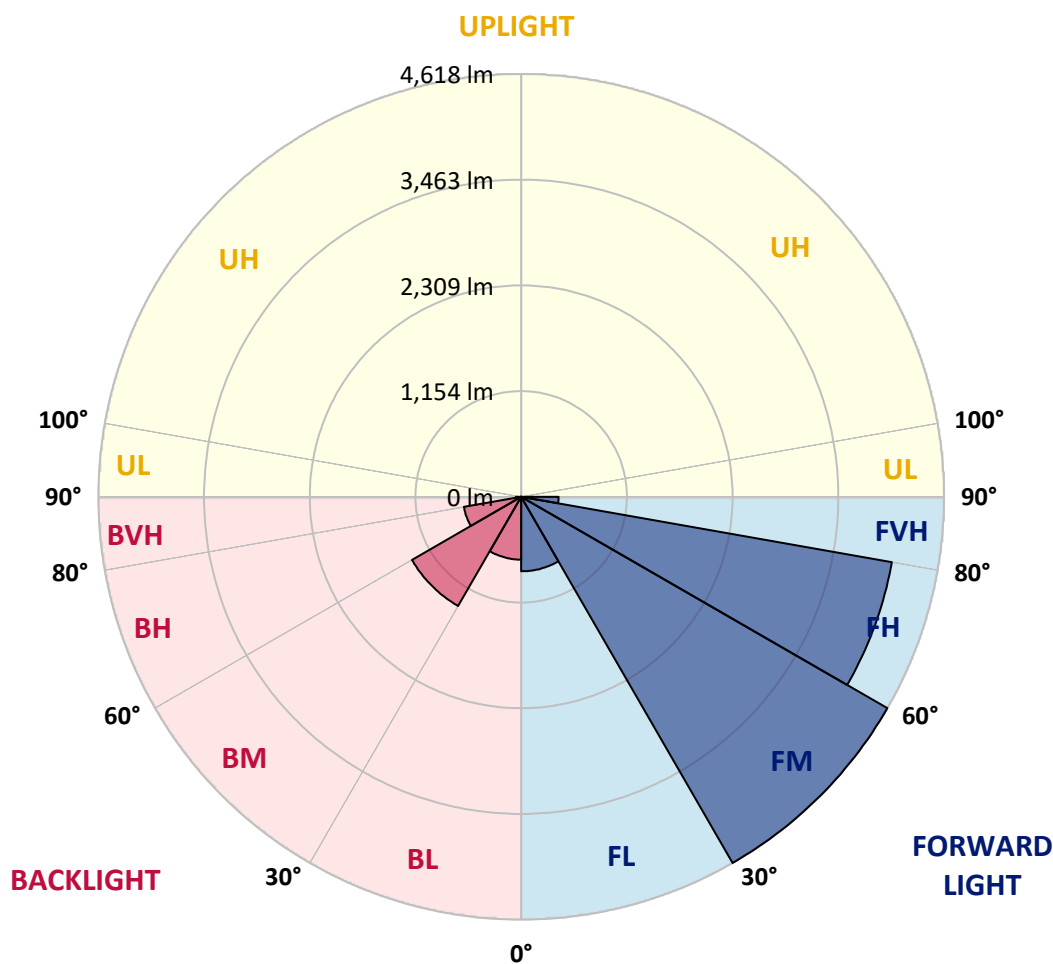
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	813.6	6.4			
FM	(30°-60°)	4617.9	36.3			
FH	(60°-80°)	4110.8	32.4			G2/5000
FVH	(80°-90°)	408.9	3.2			G3/500
BL	(0°-30°)	686.0	5.4	B2/1000		
BM	(30°-60°)	1377.2	10.8	B2/2500		
BH	(60°-80°)	635.1	5.0	B2/1000		G2/1000
BVH	(80°-90°)	57.1	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1575.5	1578.5	1578.5	1577.1	1577.1	1580.1	1578.5	1577.1	1572.4	1578.5	1578.5
5°	1563.3	1566.4	1566.4	1569.4	1572.4	1575.5	1575.5	1578.5	1577.1	1583.1	1587.7
7.5°	1578.5	1581.7	1587.7	1595.3	1599.9	1610.6	1610.6	1618.1	1621.2	1625.8	1624.2
10°	1598.3	1606.0	1619.7	1631.8	1641.0	1653.2	1662.3	1673.0	1673.0	1677.5	1680.5
12.5°	1633.4	1641.0	1656.2	1671.4	1685.2	1700.3	1714.1	1724.7	1735.3	1738.4	1744.5
15°	1691.2	1700.3	1723.2	1744.5	1761.2	1781.0	1799.3	1820.6	1840.4	1845.0	1848.0
17.5°	1778.0	1796.3	1813.0	1851.1	1875.4	1901.2	1930.3	1960.6	1966.7	1998.8	2006.3
20°	1901.2	1924.1	1939.4	1986.5	2027.7	2061.1	2103.7	2138.8	2152.4	2182.9	2213.4
22.5°	2114.4	2109.8	2132.6	2179.9	2210.3	2277.3	2313.8	2350.4	2368.6	2414.3	2438.7
25°	2400.6	2425.0	2475.1	2479.8	2508.7	2586.3	2633.5	2670.1	2671.5	2685.3	2711.1
27.5°	2682.2	2782.7	2861.9	2904.5	2982.1	3053.7	3050.6	3102.4	3021.7	3038.4	3062.8
30°	3023.2	3190.7	3339.8	3440.3	3519.5	3603.2	3644.2	3673.2	3638.1	3623.0	3594.0
32.5°	3342.9	3577.3	3807.2	3985.3	4133.0	4271.4	4362.8	4403.8	4452.5	4575.9	4620.0
35°	3562.1	3893.9	4180.1	4437.4	4683.9	4904.7	5064.6	5155.9	5120.8	5104.1	5094.9
37.5°	3693.0	4097.9	4455.6	4819.5	5102.6	5433.0	5681.0	5921.6	5976.4	5880.4	5833.3
40°	3775.2	4254.7	4714.4	5143.7	5510.6	5936.8	6244.2	6605.1	6879.1	6915.5	6802.9
42.5°	3814.7	4359.7	4895.5	5381.1	5877.4	6399.6	6789.2	7226.1	7635.6	7917.2	7847.2
45°	3820.8	4428.2	5028.0	5595.8	6186.4	6806.0	7308.3	7792.4	8340.4	8823.0	8836.7
47.5°	3820.8	4480.0	5119.4	5751.1	6463.5	7159.2	7707.2	8279.5	8950.9	9521.7	9696.8
50°	3823.9	4515.0	5204.6	5872.8	6675.0	7457.5	8077.1	8753.0	9459.3	10080.3	10418.2
52.5°	3837.6	4540.8	5271.5	5959.6	6812.0	7667.6	8364.8	9144.1	9847.5	10485.3	10922.2
55°	3868.1	4577.4	5320.3	6012.8	6903.4	7804.6	8573.3	9412.1	10098.7	10745.6	11356.0
57.5°	3953.3	4641.3	5379.6	6060.1	6953.7	7894.4	8719.5	9527.8	10194.5	10868.9	11585.8
60°	4123.7	4776.8	5481.7	6154.5	7037.4	8060.3	8789.4	9450.2	10124.5	10832.3	11637.6
62.5°	4396.3	4988.4	5623.2	6314.3	7276.4	8317.6	8736.2	9218.8	9848.9	10620.7	11453.4
63°	4490.7	5034.1	5655.1	6349.3	7341.9	8364.8	8713.4	9150.3	9792.6	10553.8	11388.0
65°	4754.0	5236.6	5807.4	6525.9	7611.3	8411.9	8535.2	8794.1	9402.9	10171.7	11001.3
67.5°	5245.7	5728.2	6134.7	6824.2	7838.0	8226.2	7982.7	8014.6	8651.0	9447.0	10193.0
70°	5556.2	6131.6	6343.2	6862.3	7797.0	7950.7	7267.3	6844.0	7354.0	8261.2	8914.3
72.5°	5475.5	6136.2	6113.4	6355.4	6974.9	7118.0	6410.2	5743.4	6046.4	6723.7	7146.9
75°	4690.1	5480.1	5312.6	5263.9	5481.7	5576.0	5044.8	4942.8	5324.9	5700.8	5706.9
77.5°	3376.4	4245.6	4049.2	3767.6	3752.3	3970.1	4041.6	4709.8	5274.6	5571.4	5440.5
80°	2151.0	3093.3	2889.2	2397.5	2389.9	2673.1	3301.8	4210.6	4808.8	4974.7	4633.8
82.5°	1123.4	2024.6	2102.3	1799.3	2059.6	2528.5	3142.0	3393.1	3619.9	3642.7	3240.8
85°	700.2	1245.2	1464.5	1511.6	1860.2	2242.3	2237.7	2149.4	2048.9	1753.7	1586.2
87.5°	79.2	156.8	237.5	225.3	302.9	424.7	529.7	310.6	217.7	79.2	109.6
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°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1581.7	1583.1	1584.7	1584.7	1592.2	1590.8	1592.2	1595.3	1599.9	1602.9	1606.0
5°	1593.8	1593.8	1599.9	1604.5	1613.6	1619.7	1622.7	1631.8	1642.5	1639.5	1648.6
7.5°	1633.4	1631.8	1637.9	1641.0	1648.6	1659.3	1657.7	1665.4	1674.5	1677.5	1685.2
10°	1686.6	1682.1	1682.1	1679.1	1680.5	1677.5	1677.5	1677.5	1683.6	1682.1	1688.2
12.5°	1741.5	1739.9	1736.9	1727.8	1727.8	1715.5	1709.5	1701.9	1700.3	1689.7	1691.2
15°	1854.1	1854.1	1848.0	1829.7	1814.5	1803.8	1788.6	1778.0	1762.8	1743.0	1732.3
17.5°	2018.5	1997.2	1989.5	1986.5	1962.2	1953.1	1919.6	1884.6	1867.8	1840.4	1825.2
20°	2219.5	2214.9	2184.5	2169.2	2138.8	2096.2	2053.5	2007.9	1980.4	1946.9	1928.7
22.5°	2446.2	2412.7	2397.5	2374.7	2327.6	2278.9	2214.9	2154.0	2111.4	2088.5	2074.8
25°	2711.1	2677.6	2662.4	2632.0	2574.1	2522.4	2443.2	2371.7	2333.6	2295.5	2274.2
27.5°	3062.8	3030.8	3012.5	2933.4	2913.6	2828.3	2730.9	2633.5	2583.2	2526.9	2490.4
30°	3588.0	3589.4	3495.1	3399.2	3300.2	3152.5	3050.6	2941.0	2858.8	2778.1	2697.4
32.5°	4475.4	4248.6	4073.6	3868.1	3653.4	3496.6	3370.3	3239.4	3125.2	3008.0	2874.0
35°	5017.3	4907.8	4680.9	4305.0	4088.8	3898.4	3758.4	3600.1	3460.1	3253.1	3049.1
37.5°	5629.3	5375.0	5099.6	4891.0	4645.9	4425.2	4190.8	4011.1	3769.1	3490.6	3201.2
40°	6522.8	6159.1	5827.2	5547.0	5230.5	4999.1	4737.2	4476.9	4155.8	3752.3	3355.0
42.5°	7456.0	7080.0	6641.6	6277.7	5904.8	5633.9	5309.6	4944.2	4472.3	3973.1	3487.5
45°	8434.8	7932.4	7407.3	6962.8	6574.6	6238.1	5836.3	5352.2	4776.8	4171.0	3610.8
47.5°	9399.9	8823.0	8197.3	7719.4	7214.0	6802.9	6309.7	5697.8	5014.3	4358.2	3734.1
50°	10250.9	9695.2	8941.7	8334.3	7822.8	7316.0	6700.9	5964.1	5201.6	4519.6	3845.2
52.5°	10984.6	10506.5	9713.5	8946.2	8357.2	7787.9	7016.1	6178.9	5390.3	4668.7	3936.6
55°	11523.4	11205.3	10474.6	9523.2	8827.6	8148.6	7282.5	6385.8	5568.4	4787.5	3996.0
57.5°	11929.8	11753.3	11126.1	10066.6	9259.9	8498.8	7557.9	6634.0	5745.0	4889.4	4023.3
60°	12152.1	12200.8	11619.4	10541.6	9642.0	8791.0	7833.5	6845.6	5875.9	4948.8	4008.1
62.5°	12130.8	12429.2	11989.2	10833.9	9864.1	8964.6	8019.2	6944.5	5857.6	4854.5	3869.5
63°	12089.7	12436.8	12030.4	10853.7	9877.9	8970.7	8023.8	6930.8	5819.6	4808.8	3814.7
65°	11735.0	12261.8	11995.3	10763.8	9756.1	8856.5	7927.9	6733.0	5551.6	4563.7	3533.2
67.5°	10785.2	11444.2	11368.2	10129.0	9179.2	8384.6	7437.7	6095.1	4889.4	3960.9	2994.3
70°	9215.8	9835.2	9848.9	8809.2	8016.2	7236.8	6449.7	4959.5	3875.6	3070.4	2233.2
72.5°	7063.2	7462.1	7600.6	6915.5	6384.4	5836.3	5129.9	3600.1	2762.9	2088.5	1453.8
75°	5469.4	5359.8	5358.3	5069.1	4853.0	4585.0	3808.7	2429.5	1814.5	1357.8	889.0
77.5°	4916.9	4429.7	3957.8	3610.8	3437.2	3347.5	2498.0	1464.5	1070.2	780.9	511.5
80°	4055.2	3336.8	2695.9	2321.5	2172.2	2275.8	1392.8	791.6	586.1	444.5	331.8
82.5°	2796.4	2321.5	1764.2	1461.3	1254.3	1312.2	712.4	404.9	271.0	248.1	205.5
85°	1456.8	1277.2	1077.7	925.5	817.4	718.5	369.9	193.4	112.6	99.0	89.8
87.5°	0.0	1.6	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°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1610.6	1609.0	1612.0	1613.6	1618.1	1621.2	1622.7	1619.7	1624.2	1628.8	1625.8
5°	1653.2	1663.8	1665.4	1669.9	1669.9	1679.1	1679.1	1679.1	1677.5	1679.1	1676.0
7.5°	1689.7	1703.4	1704.9	1711.0	1712.5	1723.2	1718.7	1721.7	1721.7	1714.1	1711.0
10°	1694.3	1708.0	1715.5	1723.2	1733.9	1747.6	1747.6	1755.1	1755.1	1749.0	1747.6
12.5°	1695.8	1706.4	1714.1	1724.7	1739.9	1759.7	1770.4	1781.0	1785.6	1784.0	1779.5
15°	1727.8	1727.8	1729.3	1738.4	1749.0	1773.5	1788.6	1800.8	1808.4	1805.4	1797.8
17.5°	1811.5	1799.3	1790.2	1774.9	1778.0	1790.2	1799.3	1809.9	1811.5	1808.4	1796.3
20°	1908.9	1893.7	1870.9	1846.5	1834.3	1825.2	1819.1	1819.1	1814.5	1799.3	1779.5
22.5°	2047.5	2027.7	1995.6	1959.2	1934.8	1905.9	1870.9	1837.3	1800.8	1764.2	1721.7
25°	2239.3	2211.8	2178.3	2122.0	2070.3	2009.3	1937.8	1863.2	1776.5	1700.3	1637.9
27.5°	2432.5	2371.7	2284.9	2207.3	2111.4	2020.0	1918.0	1826.7	1715.5	1624.2	1555.8
30°	2592.4	2476.7	2351.9	2228.6	2102.3	1979.0	1857.1	1747.6	1625.8	1533.0	1465.9
32.5°	2715.6	2555.9	2382.3	2220.9	2065.7	1915.0	1774.9	1653.2	1529.8	1434.0	1362.4
35°	2829.8	2607.6	2386.8	2187.5	1995.6	1838.9	1680.5	1548.1	1417.2	1316.8	1239.1
37.5°	2915.1	2632.0	2359.5	2125.1	1904.4	1729.3	1567.9	1432.4	1298.4	1188.9	1100.6
40°	2969.9	2616.8	2300.1	2035.2	1796.3	1612.0	1447.7	1307.6	1178.2	1057.9	951.4
42.5°	3014.1	2597.0	2240.7	1953.1	1711.0	1510.1	1341.1	1190.4	1059.5	928.6	811.4
45°	3079.5	2612.2	2214.9	1895.2	1634.9	1423.3	1237.6	1080.8	943.8	816.0	703.3
47.5°	3143.4	2619.8	2176.8	1823.6	1539.0	1333.5	1144.8	992.5	852.4	735.2	631.7
50°	3201.2	2615.2	2117.4	1732.3	1446.1	1243.6	1061.0	908.8	770.3	662.2	564.8
52.5°	3228.7	2589.3	2044.4	1644.0	1371.5	1164.6	978.8	831.2	694.2	592.1	502.4
55°	3225.7	2522.4	1948.5	1560.3	1289.3	1080.8	898.1	752.0	628.7	534.3	456.7
57.5°	3180.0	2418.9	1846.5	1467.5	1181.2	977.3	803.7	662.2	558.7	479.5	414.1
60°	3084.0	2286.4	1712.5	1332.0	1045.8	849.4	686.5	564.8	481.0	420.1	377.5
62.5°	2904.5	2096.2	1545.1	1143.2	863.1	683.5	542.0	462.8	400.3	363.8	344.0
63°	2851.2	2044.4	1473.6	1097.5	820.5	645.4	511.5	429.3	383.6	351.6	333.4
65°	2586.3	1790.2	1233.1	885.9	637.8	497.8	411.0	348.6	321.2	307.5	306.0
67.5°	2094.6	1408.1	872.2	607.4	433.9	359.3	315.1	289.2	277.1	274.0	277.1
70°	1470.5	889.0	554.1	403.4	321.2	289.2	269.4	258.8	251.2	252.6	255.8
72.5°	937.7	532.7	380.5	306.0	271.0	254.2	245.1	242.1	240.5	239.0	239.0
75°	534.3	354.7	292.2	264.9	246.6	233.0	225.3	222.3	223.7	225.3	222.3
77.5°	353.2	292.2	260.3	242.1	225.3	210.1	205.5	203.9	207.0	210.1	210.1
80°	278.5	260.3	242.1	223.7	196.4	185.7	188.8	190.3	188.8	190.3	185.7
82.5°	196.4	193.4	197.9	190.3	162.9	153.8	150.7	152.2	149.2	149.2	146.1
85°	91.3	91.3	95.9	95.9	92.8	94.4	102.0	111.1	115.6	111.1	105.1
87.5°	0.0	0.0	0.0	0.0	0.0	13.7	27.4	39.6	42.6	53.3	51.7
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: P152749

CATALOG NUMBER: VXS-E05-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1621.2	1624.2	1622.7	1621.2	1624.2	1621.2	1622.7	1621.2	1621.2	1619.7	1619.7
5°	1673.0	1677.5	1668.4	1666.8	1663.8	1656.2	1656.2	1653.2	1653.2	1647.0	1642.5
7.5°	1706.4	1708.0	1700.3	1698.9	1691.2	1683.6	1677.5	1671.4	1669.9	1665.4	1656.2
10°	1738.4	1735.3	1729.3	1721.7	1714.1	1703.4	1695.8	1688.2	1686.6	1679.1	1668.4
12.5°	1765.8	1764.2	1752.1	1744.5	1732.3	1721.7	1712.5	1703.4	1698.9	1689.7	1674.5
15°	1784.0	1774.9	1759.7	1746.0	1732.3	1720.1	1709.5	1698.9	1694.3	1683.6	1668.4
17.5°	1776.5	1759.7	1739.9	1723.2	1704.9	1689.7	1680.5	1669.9	1662.3	1656.2	1634.9
20°	1749.0	1724.7	1694.3	1674.5	1650.2	1630.4	1624.2	1613.6	1607.5	1584.7	1557.3
22.5°	1677.5	1642.5	1604.5	1575.5	1548.1	1528.3	1513.2	1502.5	1487.3	1473.6	1430.9
25°	1587.7	1548.1	1508.6	1473.6	1437.0	1406.5	1379.2	1353.3	1345.7	1316.8	1275.6
27.5°	1500.9	1456.8	1417.2	1376.2	1328.9	1290.9	1243.6	1207.2	1182.8	1152.3	1114.3
30°	1408.1	1363.9	1310.7	1255.9	1201.0	1160.0	1106.6	1062.5	1032.1	1000.1	965.1
32.5°	1290.9	1237.6	1173.7	1112.7	1062.5	1013.8	960.5	917.9	887.5	858.5	825.1
35°	1156.9	1086.8	1018.3	951.4	898.1	857.0	809.8	777.8	756.6	730.7	695.6
37.5°	1003.2	924.0	851.0	799.2	752.0	712.4	679.0	659.2	636.3	622.6	601.2
40°	847.9	770.3	698.8	651.5	611.9	589.1	570.9	566.3	551.1	532.7	519.1
42.5°	710.9	636.3	566.3	528.2	502.4	496.3	487.2	487.2	479.5	465.8	456.7
45°	618.0	540.4	479.5	452.1	438.4	436.9	432.3	432.3	430.8	424.7	414.1
47.5°	551.1	481.0	433.9	417.1	414.1	411.0	406.4	404.9	403.4	398.9	392.7
50°	490.2	430.8	400.3	392.7	394.3	389.7	385.1	380.5	379.1	374.5	368.4
52.5°	433.9	391.2	371.4	366.8	366.8	366.8	363.8	363.8	360.7	359.3	353.2
55°	401.9	369.9	359.3	357.7	356.2	354.7	351.6	351.6	348.6	347.0	339.5
57.5°	374.5	354.7	348.6	345.6	344.0	340.9	339.5	339.5	339.5	339.5	330.4
60°	353.2	344.0	342.5	339.5	337.9	331.8	328.8	327.3	328.8	330.4	321.2
62.5°	330.4	328.8	327.3	324.2	322.7	316.6	312.0	309.0	312.0	315.1	313.6
63°	324.2	322.7	322.7	321.2	319.7	312.0	307.5	304.5	307.5	310.6	310.6
65°	302.9	304.5	304.5	302.9	301.5	296.8	290.8	287.7	289.2	293.8	295.3
67.5°	280.1	281.7	280.1	281.7	280.1	277.1	272.4	269.4	267.9	269.4	271.0
70°	258.8	261.9	260.3	258.8	257.3	257.3	254.2	249.6	248.1	246.6	246.6
72.5°	240.5	240.5	237.5	237.5	236.0	236.0	233.0	228.3	226.8	226.8	223.7
75°	220.7	220.7	216.2	216.2	213.2	214.6	211.6	207.0	205.5	205.5	203.9
77.5°	208.5	203.9	196.4	194.8	193.4	193.4	191.8	187.3	185.7	185.7	184.1
80°	184.1	175.0	167.5	165.9	167.5	170.5	170.5	167.5	167.5	167.5	167.5
82.5°	143.1	140.0	135.4	132.4	132.4	137.0	143.1	146.1	149.2	152.2	152.2
85°	105.1	106.5	105.1	100.5	99.0	103.5	109.6	115.6	117.2	123.3	121.8
87.5°	56.4	57.8	53.3	51.7	56.4	59.4	65.5	66.9	70.1	71.5	73.1
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-E05-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
2.5°	1618.1	1616.6	1618.1	1615.1	1615.1	1612.0	1609.0	1607.5	1604.5	1602.9	1599.9
5°	1645.6	1641.0	1636.4	1634.9	1628.8	1622.7	1618.1	1610.6	1604.5	1593.8	1590.8
7.5°	1663.8	1653.2	1647.0	1645.6	1636.4	1631.8	1621.2	1612.0	1602.9	1589.2	1584.7
10°	1671.4	1660.7	1650.2	1645.6	1634.9	1627.3	1616.6	1602.9	1595.3	1581.7	1578.5
12.5°	1680.5	1660.7	1644.0	1631.8	1616.6	1599.9	1589.2	1581.7	1571.0	1563.3	1560.3
15°	1663.8	1637.9	1612.0	1589.2	1564.9	1546.6	1536.0	1523.7	1511.6	1507.0	1507.0
17.5°	1618.1	1584.7	1540.5	1511.6	1485.7	1465.9	1452.2	1440.0	1438.5	1432.4	1435.4
20°	1523.7	1479.6	1437.0	1415.6	1400.5	1388.3	1374.6	1368.5	1363.9	1354.8	1351.7
22.5°	1392.8	1356.4	1325.9	1310.7	1298.4	1283.2	1271.1	1252.8	1248.3	1239.1	1234.5
25°	1248.3	1219.3	1193.5	1182.8	1175.1	1153.9	1146.2	1121.9	1105.2	1094.5	1100.6
27.5°	1103.6	1082.3	1057.9	1044.2	1039.7	1019.9	1012.3	984.9	971.2	971.2	956.0
30°	954.4	934.6	919.5	904.2	901.1	876.8	857.0	846.3	831.2	825.1	814.4
32.5°	814.4	794.6	782.5	774.8	762.7	742.9	723.1	704.8	680.4	671.3	666.7
35°	685.0	669.7	654.6	648.5	631.7	610.5	586.1	570.9	542.0	531.3	526.7
37.5°	586.1	567.8	557.1	540.4	523.6	500.8	482.6	468.8	458.2	453.7	453.7
40°	506.9	493.2	481.0	467.4	453.7	441.5	432.3	429.3	427.8	427.8	430.8
42.5°	447.6	435.3	429.3	421.7	417.1	417.1	415.5	417.1	418.7	420.1	424.7
45°	408.0	400.3	397.3	395.8	398.9	401.9	403.4	406.4	412.5	415.5	417.1
47.5°	386.6	380.5	379.1	380.5	385.1	391.2	397.3	401.9	406.4	408.0	409.5
50°	365.4	357.7	354.7	357.7	363.8	373.0	377.5	385.1	388.2	391.2	388.2
52.5°	347.0	340.9	339.5	339.5	345.6	351.6	357.7	363.8	365.4	365.4	363.8
55°	331.8	327.3	322.7	325.8	330.4	336.4	345.6	350.2	353.2	354.7	354.7
57.5°	319.7	315.1	310.6	313.6	318.1	324.2	333.4	337.9	340.9	345.6	347.0
60°	310.6	304.5	299.9	304.5	309.0	318.1	325.8	330.4	337.9	339.5	339.5
62.5°	301.5	295.3	287.7	292.2	292.2	296.8	304.5	310.6	318.1	321.2	321.2
63°	299.9	293.8	286.2	289.2	289.2	292.2	298.3	304.5	313.6	316.6	315.1
65°	287.7	286.2	278.5	278.5	275.5	278.5	283.1	289.2	293.8	298.3	298.3
67.5°	267.9	266.4	264.9	264.9	264.9	267.9	271.0	275.5	280.1	283.1	281.7
70°	245.1	245.1	245.1	246.6	246.6	249.6	251.2	249.6	254.2	257.3	255.8
72.5°	225.3	223.7	222.3	225.3	223.7	223.7	226.8	225.3	229.8	229.8	231.4
75°	203.9	202.5	202.5	203.9	200.9	197.9	199.4	199.4	200.9	200.9	203.9
77.5°	185.7	185.7	185.7	184.1	181.1	179.6	178.1	178.1	178.1	178.1	179.6
80°	169.0	169.0	169.0	167.5	164.4	161.3	158.3	156.8	155.2	147.7	147.7
82.5°	152.2	152.2	152.2	152.2	150.7	147.7	143.1	130.9	124.9	118.8	120.2
85°	120.2	123.3	126.3	130.9	129.4	129.4	120.2	105.1	95.9	89.8	91.3
87.5°	77.6	68.5	68.5	66.9	63.9	60.9	60.9	51.7	42.6	38.0	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

REPORT NUMBER: P152749
CATALOG NUMBER: VXS-E05-LED-E1-SLL-7030

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	0°
2.5°	1599.9	1596.9	1593.8	1593.8	1589.2	1589.2	1586.2	1592.2	1586.2	1581.7	1581.7	2.5°
5°	1587.7	1584.7	1575.5	1574.0	1567.9	1567.9	1567.9	1564.9	1564.9	1561.9	1560.3	5°
7.5°	1580.1	1572.4	1564.9	1560.3	1560.3	1557.3	1563.3	1560.3	1561.9	1561.9	1563.3	7.5°
10°	1574.0	1567.9	1564.9	1563.3	1563.3	1567.9	1572.4	1574.0	1572.4	1574.0	1574.0	10°
12.5°	1558.8	1561.9	1563.3	1569.4	1577.1	1586.2	1596.9	1598.3	1601.5	1601.5	1604.5	12.5°
15°	1510.1	1517.7	1526.8	1542.1	1561.9	1581.7	1601.5	1618.1	1633.4	1641.0	1647.0	15°
17.5°	1441.6	1449.2	1465.9	1482.7	1508.6	1537.5	1571.0	1599.9	1631.8	1660.7	1689.7	17.5°
20°	1348.7	1360.9	1365.5	1395.9	1426.3	1465.9	1505.5	1551.2	1606.0	1660.7	1717.1	20°
22.5°	1228.5	1242.2	1263.4	1287.9	1319.8	1368.5	1415.6	1487.3	1560.3	1637.9	1726.2	22.5°
25°	1094.5	1109.7	1128.0	1153.9	1185.8	1237.6	1306.1	1382.2	1472.0	1574.0	1683.6	25°
27.5°	956.0	971.2	986.4	1004.7	1041.2	1096.1	1176.7	1255.9	1354.8	1465.9	1593.8	27.5°
30°	817.4	819.0	828.1	851.0	889.0	960.5	1019.9	1118.9	1222.4	1339.6	1487.3	30°
32.5°	665.2	663.7	674.4	694.2	730.7	799.2	872.2	968.2	1070.2	1217.8	1370.1	32.5°
35°	529.7	529.7	549.5	569.3	610.5	659.2	723.1	808.3	928.6	1065.6	1217.8	35°
37.5°	458.2	468.8	481.0	500.8	532.7	570.9	627.2	701.8	796.2	927.0	1067.0	37.5°
40°	435.3	441.5	452.1	470.4	497.8	532.7	573.9	630.3	703.3	808.3	936.2	40°
42.5°	426.2	427.8	433.9	447.6	471.9	506.9	549.5	599.8	654.6	729.1	840.3	42.5°
45°	417.1	415.5	418.7	429.3	449.0	488.6	537.3	592.1	646.9	709.3	800.7	45°
47.5°	409.5	409.5	409.5	414.1	432.3	471.9	528.2	592.1	657.6	727.7	817.4	47.5°
50°	388.2	386.6	386.6	389.7	403.4	446.0	513.0	590.7	675.9	767.3	869.2	50°
52.5°	363.8	363.8	365.4	366.8	379.1	421.7	496.3	590.7	697.2	819.0	946.8	52.5°
55°	356.2	357.7	359.3	357.7	366.8	403.4	478.0	581.5	706.3	860.1	1030.6	55°
57.5°	350.2	353.2	353.2	351.6	357.7	388.2	459.7	563.2	698.8	875.3	1089.9	57.5°
60°	340.9	340.9	340.9	336.4	339.5	366.8	432.3	534.3	674.4	861.6	1099.1	60°
62.5°	321.2	321.2	318.1	316.6	315.1	336.4	395.8	491.7	630.3	825.1	1076.3	62.5°
63°	316.6	315.1	315.1	310.6	310.6	330.4	388.2	485.6	618.0	816.0	1067.0	63°
65°	299.9	299.9	299.9	296.8	295.3	310.6	357.7	443.0	570.9	773.3	1021.5	65°
67.5°	281.7	283.1	280.1	278.5	277.1	286.2	322.7	389.7	497.8	683.5	936.2	67.5°
70°	255.8	257.3	257.3	255.8	254.2	260.3	283.1	334.9	412.5	569.3	797.6	70°
72.5°	233.0	236.0	236.0	239.0	239.0	243.5	252.6	278.5	330.4	444.5	627.2	72.5°
75°	208.5	210.1	213.2	216.2	213.2	211.6	213.2	233.0	258.8	328.8	447.6	75°
77.5°	187.3	191.8	191.8	190.3	185.7	182.7	182.7	191.8	213.2	249.6	319.7	77.5°
80°	155.2	162.9	164.4	159.8	155.2	155.2	158.3	164.4	178.1	205.5	242.1	80°
82.5°	124.9	132.4	134.0	135.4	134.0	138.5	138.5	140.0	147.7	169.0	197.9	82.5°
85°	95.9	102.0	106.5	108.1	109.6	111.1	109.6	102.0	106.5	120.2	134.0	85°
87.5°	42.6	44.1	41.1	42.6	41.1	42.6	44.1	36.6	35.0	47.2	48.7	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°
1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
1580.1	1580.1	1581.7	1578.5	1578.5	1580.1	1575.5
1555.8	1561.9	1561.9	1561.9	1558.8	1561.9	1563.3
1561.9	1566.4	1569.4	1569.4	1567.9	1574.0	1578.5
1569.4	1577.1	1580.1	1580.1	1580.1	1587.7	1598.3
1598.3	1604.5	1609.0	1609.0	1612.0	1621.2	1633.4
1651.6	1659.3	1659.3	1657.7	1666.8	1677.5	1691.2
1711.0	1732.3	1743.0	1741.5	1749.0	1762.8	1778.0
1767.4	1826.7	1852.5	1870.9	1878.4	1896.7	1901.2
1814.5	1913.5	1985.0	2045.9	2074.8	2093.1	2114.4
1797.8	1931.7	2059.6	2184.5	2272.7	2362.5	2400.6
1729.3	1896.7	2064.1	2246.8	2406.6	2566.5	2682.2
1645.6	1846.5	2071.8	2330.6	2583.2	2828.3	3023.2
1549.6	1799.3	2088.5	2408.2	2740.0	3061.2	3342.9
1429.4	1709.5	2047.5	2415.9	2807.0	3196.7	3562.1
1277.2	1587.7	1951.5	2361.0	2810.1	3256.1	3693.0
1125.0	1434.0	1829.7	2281.9	2770.5	3269.8	3775.2
1018.3	1297.0	1706.4	2181.3	2706.5	3248.5	3814.7
945.3	1198.0	1596.9	2090.1	2638.0	3210.5	3820.8
939.3	1155.3	1525.3	2023.1	2583.2	3176.9	3820.8
991.0	1178.2	1500.9	1989.5	2560.4	3166.3	3823.9
1088.4	1269.5	1545.1	2015.4	2578.7	3180.0	3837.6
1205.6	1408.1	1663.8	2105.3	2656.4	3225.7	3868.1
1312.2	1567.9	1866.3	2278.9	2797.9	3341.3	3953.3
1374.6	1704.9	2080.9	2522.4	3039.9	3571.2	4123.7
1382.2	1781.0	2271.2	2787.3	3333.7	3834.5	4396.3
1376.2	1787.2	2295.5	2837.5	3396.2	3900.0	4490.7
1342.6	1788.6	2364.0	3014.1	3612.3	4175.5	4754.0
1257.4	1739.9	2388.4	3152.5	3884.8	4537.8	5245.7
1109.7	1601.5	2316.9	3155.6	3989.8	4740.3	5556.2
892.0	1338.0	2007.9	2871.0	3712.7	4540.8	5475.5
653.1	983.4	1517.7	2224.0	3029.3	3779.8	4690.1
433.9	636.3	1022.9	1584.7	2172.2	2720.3	3376.4
298.3	394.3	598.2	953.0	1328.9	1595.3	2151.0
219.2	260.3	331.8	487.2	639.4	787.0	1123.4
137.0	149.2	165.9	240.5	344.0	464.2	700.2
36.6	38.0	35.0	47.2	74.6	71.5	79.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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