

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: P153319

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153319
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-SLR-7030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
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



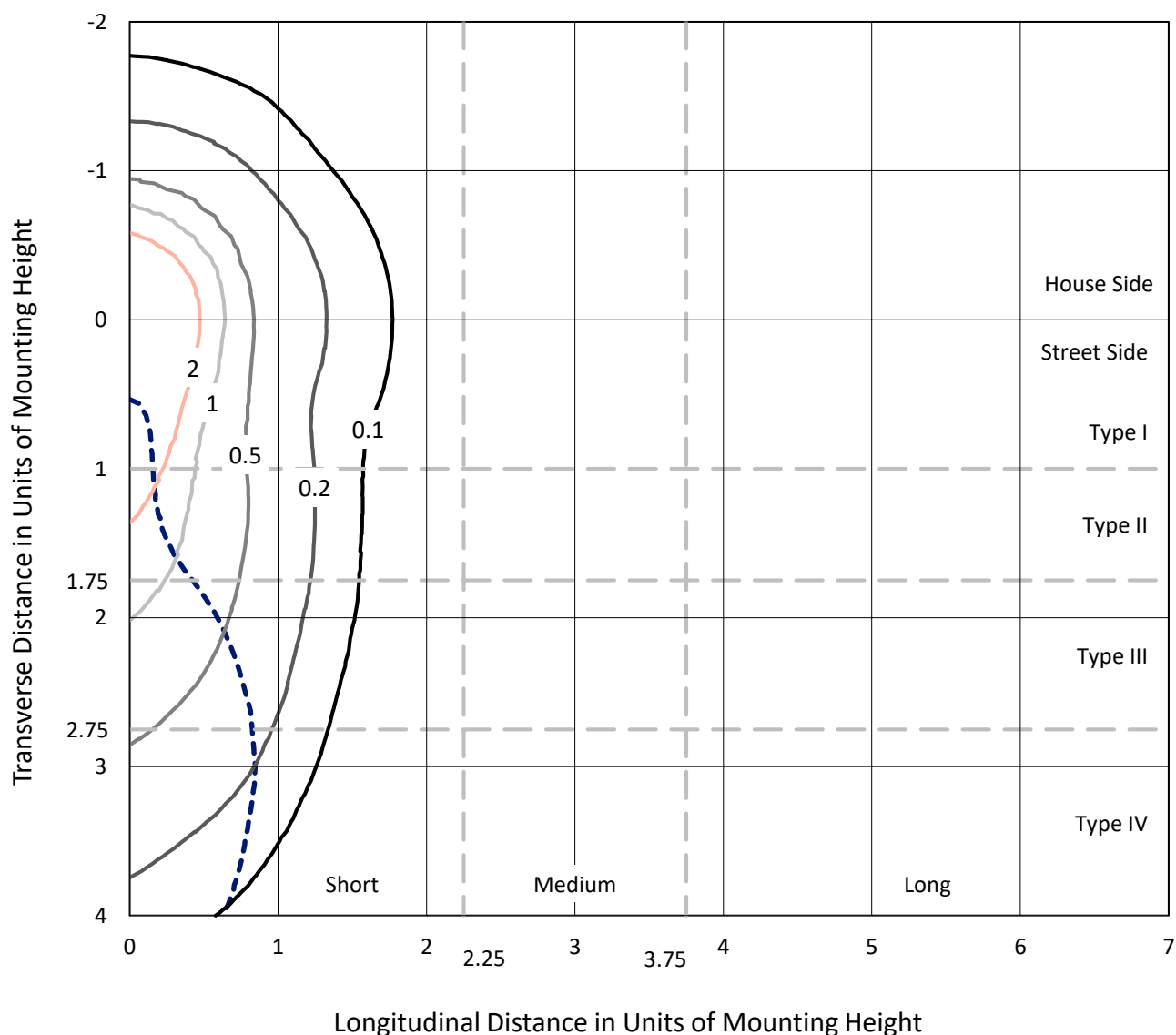
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

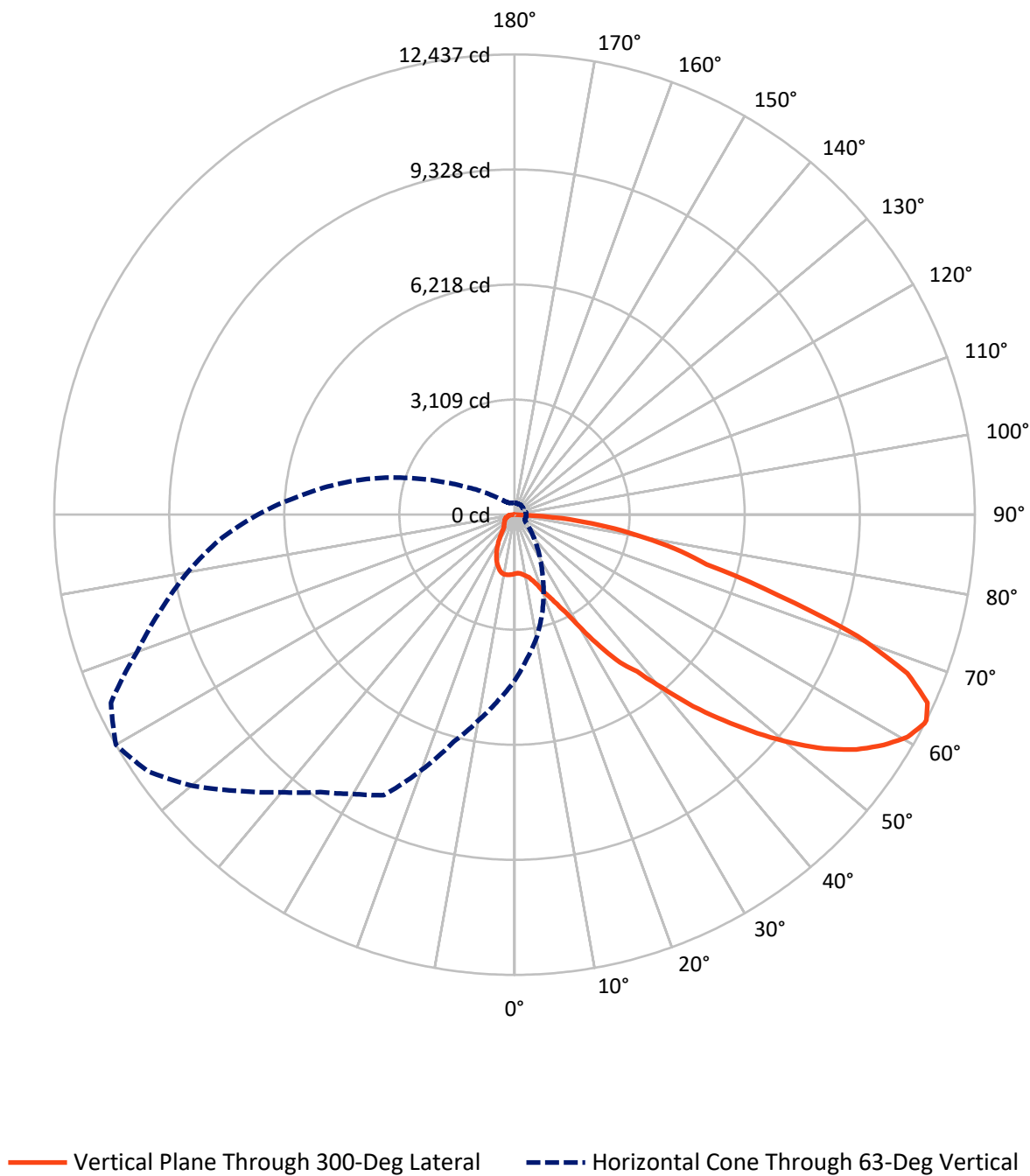


Based on 20 foot mounting height. Maximum calculated value = 5 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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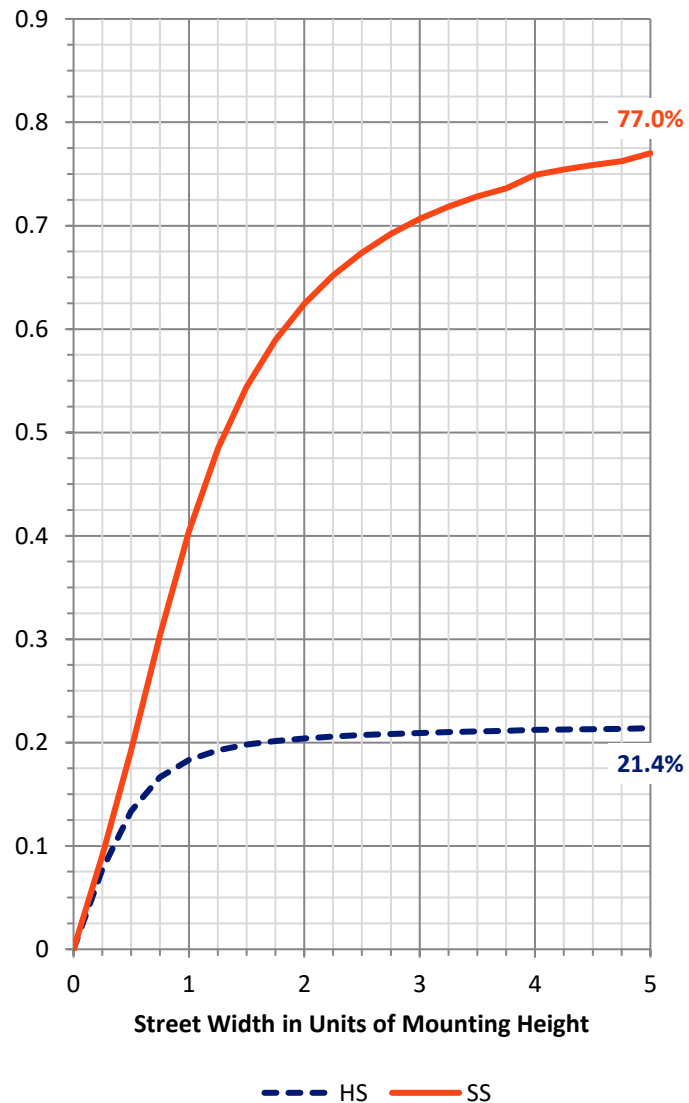
FLUX DISTRIBUTION:

		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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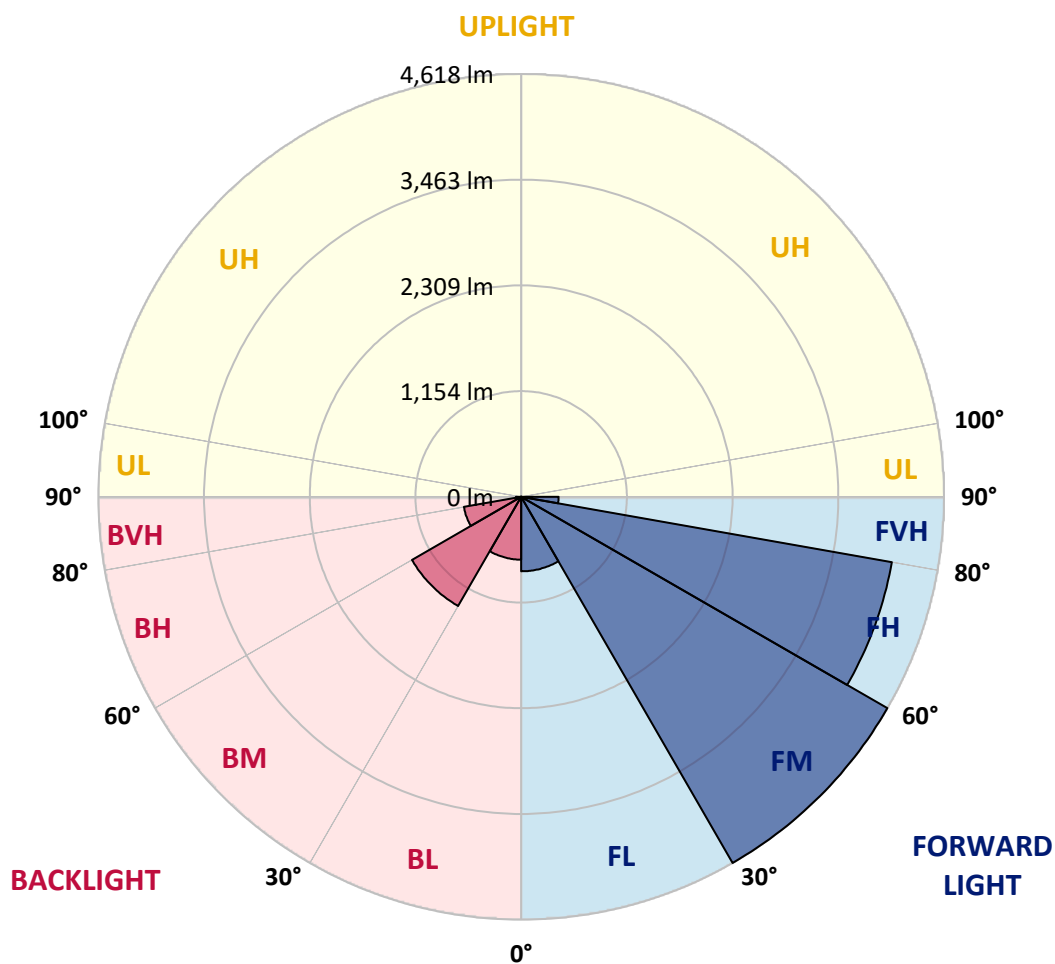
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

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	1580.1	1578.5	1578.5	1581.7	1580.1	1580.1	1581.7	1581.7	1586.2	1592.2
5°	1563.3	1561.9	1558.8	1561.9	1561.9	1561.9	1555.8	1560.3	1561.9	1564.9	1564.9
7.5°	1578.5	1574.0	1567.9	1569.4	1569.4	1566.4	1561.9	1563.3	1561.9	1561.9	1560.3
10°	1598.3	1587.7	1580.1	1580.1	1580.1	1577.1	1569.4	1574.0	1574.0	1572.4	1574.0
12.5°	1633.4	1621.2	1612.0	1609.0	1609.0	1604.5	1598.3	1604.5	1601.5	1601.5	1598.3
15°	1691.2	1677.5	1666.8	1657.7	1659.3	1659.3	1651.6	1647.0	1641.0	1633.4	1618.1
17.5°	1778.0	1762.8	1749.0	1741.5	1743.0	1732.3	1711.0	1689.7	1660.7	1631.8	1599.9
20°	1901.2	1896.7	1878.4	1870.9	1852.5	1826.7	1767.4	1717.1	1660.7	1606.0	1551.2
22.5°	2114.4	2093.1	2074.8	2045.9	1985.0	1913.5	1814.5	1726.2	1637.9	1560.3	1487.3
25°	2400.6	2362.5	2272.7	2184.5	2059.6	1931.7	1797.8	1683.6	1574.0	1472.0	1382.2
27.5°	2682.2	2566.5	2406.6	2246.8	2064.1	1896.7	1729.3	1593.8	1465.9	1354.8	1255.9
30°	3023.2	2828.3	2583.2	2330.6	2071.8	1846.5	1645.6	1487.3	1339.6	1222.4	1118.9
32.5°	3342.9	3061.2	2740.0	2408.2	2088.5	1799.3	1549.6	1370.1	1217.8	1070.2	968.2
35°	3562.1	3196.7	2807.0	2415.9	2047.5	1709.5	1429.4	1217.8	1065.6	928.6	808.3
37.5°	3693.0	3256.1	2810.1	2361.0	1951.5	1587.7	1277.2	1067.0	927.0	796.2	701.8
40°	3775.2	3269.8	2770.5	2281.9	1829.7	1434.0	1125.0	936.2	808.3	703.3	630.3
42.5°	3814.7	3248.5	2706.5	2181.3	1706.4	1297.0	1018.3	840.3	729.1	654.6	599.8
45°	3820.8	3210.5	2638.0	2090.1	1596.9	1198.0	945.3	800.7	709.3	646.9	592.1
47.5°	3820.8	3176.9	2583.2	2023.1	1525.3	1155.3	939.3	817.4	727.7	657.6	592.1
50°	3823.9	3166.3	2560.4	1989.5	1500.9	1178.2	991.0	869.2	767.3	675.9	590.7
52.5°	3837.6	3180.0	2578.7	2015.4	1545.1	1269.5	1088.4	946.8	819.0	697.2	590.7
55°	3868.1	3225.7	2656.4	2105.3	1663.8	1408.1	1205.6	1030.6	860.1	706.3	581.5
57.5°	3953.3	3341.3	2797.9	2278.9	1866.3	1567.9	1312.2	1089.9	875.3	698.8	563.2
60°	4123.7	3571.2	3039.9	2522.4	2080.9	1704.9	1374.6	1099.1	861.6	674.4	534.3
62.5°	4396.3	3834.5	3333.7	2787.3	2271.2	1781.0	1382.2	1076.3	825.1	630.3	491.7
63°	4490.7	3900.0	3396.2	2837.5	2295.5	1787.2	1376.2	1067.0	816.0	618.0	485.6
65°	4754.0	4175.5	3612.3	3014.1	2364.0	1788.6	1342.6	1021.5	773.3	570.9	443.0
67.5°	5245.7	4537.8	3884.8	3152.5	2388.4	1739.9	1257.4	936.2	683.5	497.8	389.7
70°	5556.2	4740.3	3989.8	3155.6	2316.9	1601.5	1109.7	797.6	569.3	412.5	334.9
72.5°	5475.5	4540.8	3712.7	2871.0	2007.9	1338.0	892.0	627.2	444.5	330.4	278.5
75°	4690.1	3779.8	3029.3	2224.0	1517.7	983.4	653.1	447.6	328.8	258.8	233.0
77.5°	3376.4	2720.3	2172.2	1584.7	1022.9	636.3	433.9	319.7	249.6	213.2	191.8
80°	2151.0	1595.3	1328.9	953.0	598.2	394.3	298.3	242.1	205.5	178.1	164.4
82.5°	1123.4	787.0	639.4	487.2	331.8	260.3	219.2	197.9	169.0	147.7	140.0
85°	700.2	464.2	344.0	240.5	165.9	149.2	137.0	134.0	120.2	106.5	102.0
87.5°	79.2	71.5	74.6	47.2	35.0	38.0	36.6	48.7	47.2	35.0	36.6
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°	1586.2	1589.2	1589.2	1593.8	1593.8	1596.9	1599.9	1599.9	1602.9	1604.5	1607.5
5°	1567.9	1567.9	1567.9	1574.0	1575.5	1584.7	1587.7	1590.8	1593.8	1604.5	1610.6
7.5°	1563.3	1557.3	1560.3	1560.3	1564.9	1572.4	1580.1	1584.7	1589.2	1602.9	1612.0
10°	1572.4	1567.9	1563.3	1563.3	1564.9	1567.9	1574.0	1578.5	1581.7	1595.3	1602.9
12.5°	1596.9	1586.2	1577.1	1569.4	1563.3	1561.9	1558.8	1560.3	1563.3	1571.0	1581.7
15°	1601.5	1581.7	1561.9	1542.1	1526.8	1517.7	1510.1	1507.0	1507.0	1511.6	1523.7
17.5°	1571.0	1537.5	1508.6	1482.7	1465.9	1449.2	1441.6	1435.4	1432.4	1438.5	1440.0
20°	1505.5	1465.9	1426.3	1395.9	1365.5	1360.9	1348.7	1351.7	1354.8	1363.9	1368.5
22.5°	1415.6	1368.5	1319.8	1287.9	1263.4	1242.2	1228.5	1234.5	1239.1	1248.3	1252.8
25°	1306.1	1237.6	1185.8	1153.9	1128.0	1109.7	1094.5	1100.6	1094.5	1105.2	1121.9
27.5°	1176.7	1096.1	1041.2	1004.7	986.4	971.2	956.0	956.0	971.2	971.2	984.9
30°	1019.9	960.5	889.0	851.0	828.1	819.0	817.4	814.4	825.1	831.2	846.3
32.5°	872.2	799.2	730.7	694.2	674.4	663.7	665.2	666.7	671.3	680.4	704.8
35°	723.1	659.2	610.5	569.3	549.5	529.7	529.7	526.7	531.3	542.0	570.9
37.5°	627.2	570.9	532.7	500.8	481.0	468.8	458.2	453.7	453.7	458.2	468.8
40°	573.9	532.7	497.8	470.4	452.1	441.5	435.3	430.8	427.8	427.8	429.3
42.5°	549.5	506.9	471.9	447.6	433.9	427.8	426.2	424.7	420.1	418.7	417.1
45°	537.3	488.6	449.0	429.3	418.7	415.5	417.1	417.1	415.5	412.5	406.4
47.5°	528.2	471.9	432.3	414.1	409.5	409.5	409.5	409.5	408.0	406.4	401.9
50°	513.0	446.0	403.4	389.7	386.6	386.6	388.2	388.2	391.2	388.2	385.1
52.5°	496.3	421.7	379.1	366.8	365.4	363.8	363.8	363.8	365.4	365.4	363.8
55°	478.0	403.4	366.8	357.7	359.3	357.7	356.2	354.7	354.7	353.2	350.2
57.5°	459.7	388.2	357.7	351.6	353.2	353.2	350.2	347.0	345.6	340.9	337.9
60°	432.3	366.8	339.5	336.4	340.9	340.9	340.9	339.5	339.5	337.9	330.4
62.5°	395.8	336.4	315.1	316.6	318.1	321.2	321.2	321.2	321.2	318.1	310.6
63°	388.2	330.4	310.6	310.6	315.1	315.1	316.6	315.1	316.6	313.6	304.5
65°	357.7	310.6	295.3	296.8	299.9	299.9	299.9	298.3	298.3	293.8	289.2
67.5°	322.7	286.2	277.1	278.5	280.1	283.1	281.7	281.7	283.1	280.1	275.5
70°	283.1	260.3	254.2	255.8	257.3	257.3	255.8	255.8	257.3	254.2	249.6
72.5°	252.6	243.5	239.0	239.0	236.0	236.0	233.0	231.4	229.8	229.8	225.3
75°	213.2	211.6	213.2	216.2	213.2	210.1	208.5	203.9	200.9	200.9	199.4
77.5°	182.7	182.7	185.7	190.3	191.8	191.8	187.3	179.6	178.1	178.1	178.1
80°	158.3	155.2	155.2	159.8	164.4	162.9	155.2	147.7	147.7	155.2	156.8
82.5°	138.5	138.5	134.0	135.4	134.0	132.4	124.9	120.2	118.8	124.9	130.9
85°	109.6	111.1	109.6	108.1	106.5	102.0	95.9	91.3	89.8	95.9	105.1
87.5°	44.1	42.6	41.1	42.6	41.1	44.1	42.6	39.6	38.0	42.6	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

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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°	1609.0	1612.0	1615.1	1615.1	1618.1	1616.6	1618.1	1619.7	1619.7	1621.2	1621.2
5°	1618.1	1622.7	1628.8	1634.9	1636.4	1641.0	1645.6	1642.5	1647.0	1653.2	1653.2
7.5°	1621.2	1631.8	1636.4	1645.6	1647.0	1653.2	1663.8	1656.2	1665.4	1669.9	1671.4
10°	1616.6	1627.3	1634.9	1645.6	1650.2	1660.7	1671.4	1668.4	1679.1	1686.6	1688.2
12.5°	1589.2	1599.9	1616.6	1631.8	1644.0	1660.7	1680.5	1674.5	1689.7	1698.9	1703.4
15°	1536.0	1546.6	1564.9	1589.2	1612.0	1637.9	1663.8	1668.4	1683.6	1694.3	1698.9
17.5°	1452.2	1465.9	1485.7	1511.6	1540.5	1584.7	1618.1	1634.9	1656.2	1662.3	1669.9
20°	1374.6	1388.3	1400.5	1415.6	1437.0	1479.6	1523.7	1557.3	1584.7	1607.5	1613.6
22.5°	1271.1	1283.2	1298.4	1310.7	1325.9	1356.4	1392.8	1430.9	1473.6	1487.3	1502.5
25°	1146.2	1153.9	1175.1	1182.8	1193.5	1219.3	1248.3	1275.6	1316.8	1345.7	1353.3
27.5°	1012.3	1019.9	1039.7	1044.2	1057.9	1082.3	1103.6	1114.3	1152.3	1182.8	1207.2
30°	857.0	876.8	901.1	904.2	919.5	934.6	954.4	965.1	1000.1	1032.1	1062.5
32.5°	723.1	742.9	762.7	774.8	782.5	794.6	814.4	825.1	858.5	887.5	917.9
35°	586.1	610.5	631.7	648.5	654.6	669.7	685.0	695.6	730.7	756.6	777.8
37.5°	482.6	500.8	523.6	540.4	557.1	567.8	586.1	601.2	622.6	636.3	659.2
40°	432.3	441.5	453.7	467.4	481.0	493.2	506.9	519.1	532.7	551.1	566.3
42.5°	415.5	417.1	417.1	421.7	429.3	435.3	447.6	456.7	465.8	479.5	487.2
45°	403.4	401.9	398.9	395.8	397.3	400.3	408.0	414.1	424.7	430.8	432.3
47.5°	397.3	391.2	385.1	380.5	379.1	380.5	386.6	392.7	398.9	403.4	404.9
50°	377.5	373.0	363.8	357.7	354.7	357.7	365.4	368.4	374.5	379.1	380.5
52.5°	357.7	351.6	345.6	339.5	339.5	340.9	347.0	353.2	359.3	360.7	363.8
55°	345.6	336.4	330.4	325.8	322.7	327.3	331.8	339.5	347.0	348.6	351.6
57.5°	333.4	324.2	318.1	313.6	310.6	315.1	319.7	330.4	339.5	339.5	339.5
60°	325.8	318.1	309.0	304.5	299.9	304.5	310.6	321.2	330.4	328.8	327.3
62.5°	304.5	296.8	292.2	292.2	287.7	295.3	301.5	313.6	315.1	312.0	309.0
63°	298.3	292.2	289.2	289.2	286.2	293.8	299.9	310.6	310.6	307.5	304.5
65°	283.1	278.5	275.5	278.5	278.5	286.2	287.7	295.3	293.8	289.2	287.7
67.5°	271.0	267.9	264.9	264.9	264.9	266.4	267.9	271.0	269.4	267.9	269.4
70°	251.2	249.6	246.6	246.6	245.1	245.1	245.1	246.6	246.6	248.1	249.6
72.5°	226.8	223.7	223.7	225.3	222.3	223.7	225.3	223.7	226.8	226.8	228.3
75°	199.4	197.9	200.9	203.9	202.5	202.5	203.9	203.9	205.5	205.5	207.0
77.5°	178.1	179.6	181.1	184.1	185.7	185.7	185.7	184.1	185.7	185.7	187.3
80°	158.3	161.3	164.4	167.5	169.0	169.0	169.0	167.5	167.5	167.5	167.5
82.5°	143.1	147.7	150.7	152.2	152.2	152.2	152.2	152.2	152.2	149.2	146.1
85°	120.2	129.4	129.4	130.9	126.3	123.3	120.2	121.8	123.3	117.2	115.6
87.5°	60.9	60.9	63.9	66.9	68.5	68.5	77.6	73.1	71.5	70.1	66.9
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: P153319

CATALOG NUMBER: VXS-E05-LED-E1-SLR-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°	1622.7	1621.2	1624.2	1621.2	1622.7	1624.2	1621.2	1625.8	1628.8	1624.2	1619.7
5°	1656.2	1656.2	1663.8	1666.8	1668.4	1677.5	1673.0	1676.0	1679.1	1677.5	1679.1
7.5°	1677.5	1683.6	1691.2	1698.9	1700.3	1708.0	1706.4	1711.0	1714.1	1721.7	1721.7
10°	1695.8	1703.4	1714.1	1721.7	1729.3	1735.3	1738.4	1747.6	1749.0	1755.1	1755.1
12.5°	1712.5	1721.7	1732.3	1744.5	1752.1	1764.2	1765.8	1779.5	1784.0	1785.6	1781.0
15°	1709.5	1720.1	1732.3	1746.0	1759.7	1774.9	1784.0	1797.8	1805.4	1808.4	1800.8
17.5°	1680.5	1689.7	1704.9	1723.2	1739.9	1759.7	1776.5	1796.3	1808.4	1811.5	1809.9
20°	1624.2	1630.4	1650.2	1674.5	1694.3	1724.7	1749.0	1779.5	1799.3	1814.5	1819.1
22.5°	1513.2	1528.3	1548.1	1575.5	1604.5	1642.5	1677.5	1721.7	1764.2	1800.8	1837.3
25°	1379.2	1406.5	1437.0	1473.6	1508.6	1548.1	1587.7	1637.9	1700.3	1776.5	1863.2
27.5°	1243.6	1290.9	1328.9	1376.2	1417.2	1456.8	1500.9	1555.8	1624.2	1715.5	1826.7
30°	1106.6	1160.0	1201.0	1255.9	1310.7	1363.9	1408.1	1465.9	1533.0	1625.8	1747.6
32.5°	960.5	1013.8	1062.5	1112.7	1173.7	1237.6	1290.9	1362.4	1434.0	1529.8	1653.2
35°	809.8	857.0	898.1	951.4	1018.3	1086.8	1156.9	1239.1	1316.8	1417.2	1548.1
37.5°	679.0	712.4	752.0	799.2	851.0	924.0	1003.2	1100.6	1188.9	1298.4	1432.4
40°	570.9	589.1	611.9	651.5	698.8	770.3	847.9	951.4	1057.9	1178.2	1307.6
42.5°	487.2	496.3	502.4	528.2	566.3	636.3	710.9	811.4	928.6	1059.5	1190.4
45°	432.3	436.9	438.4	452.1	479.5	540.4	618.0	703.3	816.0	943.8	1080.8
47.5°	406.4	411.0	414.1	417.1	433.9	481.0	551.1	631.7	735.2	852.4	992.5
50°	385.1	389.7	394.3	392.7	400.3	430.8	490.2	564.8	662.2	770.3	908.8
52.5°	363.8	366.8	366.8	366.8	371.4	391.2	433.9	502.4	592.1	694.2	831.2
55°	351.6	354.7	356.2	357.7	359.3	369.9	401.9	456.7	534.3	628.7	752.0
57.5°	339.5	340.9	344.0	345.6	348.6	354.7	374.5	414.1	479.5	558.7	662.2
60°	328.8	331.8	337.9	339.5	342.5	344.0	353.2	377.5	420.1	481.0	564.8
62.5°	312.0	316.6	322.7	324.2	327.3	328.8	330.4	344.0	363.8	400.3	462.8
63°	307.5	312.0	319.7	321.2	322.7	322.7	324.2	333.4	351.6	383.6	429.3
65°	290.8	296.8	301.5	302.9	304.5	304.5	302.9	306.0	307.5	321.2	348.6
67.5°	272.4	277.1	280.1	281.7	280.1	281.7	280.1	277.1	274.0	277.1	289.2
70°	254.2	257.3	257.3	258.8	260.3	261.9	258.8	255.8	252.6	251.2	258.8
72.5°	233.0	236.0	236.0	237.5	237.5	240.5	240.5	239.0	239.0	240.5	242.1
75°	211.6	214.6	213.2	216.2	216.2	220.7	220.7	222.3	225.3	223.7	222.3
77.5°	191.8	193.4	193.4	194.8	196.4	203.9	208.5	210.1	210.1	207.0	203.9
80°	170.5	170.5	167.5	165.9	167.5	175.0	184.1	185.7	190.3	188.8	190.3
82.5°	143.1	137.0	132.4	132.4	135.4	140.0	143.1	146.1	149.2	149.2	152.2
85°	109.6	103.5	99.0	100.5	105.1	106.5	105.1	105.1	111.1	115.6	111.1
87.5°	65.5	59.4	56.4	51.7	53.3	57.8	56.4	51.7	53.3	42.6	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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CATALOG NUMBER: VXS-E05-LED-E1-SLR-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°	1622.7	1621.2	1618.1	1613.6	1612.0	1609.0	1610.6	1606.0	1602.9	1599.9	1595.3
5°	1679.1	1679.1	1669.9	1669.9	1665.4	1663.8	1653.2	1648.6	1639.5	1642.5	1631.8
7.5°	1718.7	1723.2	1712.5	1711.0	1704.9	1703.4	1689.7	1685.2	1677.5	1674.5	1665.4
10°	1747.6	1747.6	1733.9	1723.2	1715.5	1708.0	1694.3	1688.2	1682.1	1683.6	1677.5
12.5°	1770.4	1759.7	1739.9	1724.7	1714.1	1706.4	1695.8	1691.2	1689.7	1700.3	1701.9
15°	1788.6	1773.5	1749.0	1738.4	1729.3	1727.8	1727.8	1732.3	1743.0	1762.8	1778.0
17.5°	1799.3	1790.2	1778.0	1774.9	1790.2	1799.3	1811.5	1825.2	1840.4	1867.8	1884.6
20°	1819.1	1825.2	1834.3	1846.5	1870.9	1893.7	1908.9	1928.7	1946.9	1980.4	2007.9
22.5°	1870.9	1905.9	1934.8	1959.2	1995.6	2027.7	2047.5	2074.8	2088.5	2111.4	2154.0
25°	1937.8	2009.3	2070.3	2122.0	2178.3	2211.8	2239.3	2274.2	2295.5	2333.6	2371.7
27.5°	1918.0	2020.0	2111.4	2207.3	2284.9	2371.7	2432.5	2490.4	2526.9	2583.2	2633.5
30°	1857.1	1979.0	2102.3	2228.6	2351.9	2476.7	2592.4	2697.4	2778.1	2858.8	2941.0
32.5°	1774.9	1915.0	2065.7	2220.9	2382.3	2555.9	2715.6	2874.0	3008.0	3125.2	3239.4
35°	1680.5	1838.9	1995.6	2187.5	2386.8	2607.6	2829.8	3049.1	3253.1	3460.1	3600.1
37.5°	1567.9	1729.3	1904.4	2125.1	2359.5	2632.0	2915.1	3201.2	3490.6	3769.1	4011.1
40°	1447.7	1612.0	1796.3	2035.2	2300.1	2616.8	2969.9	3355.0	3752.3	4155.8	4476.9
42.5°	1341.1	1510.1	1711.0	1953.1	2240.7	2597.0	3014.1	3487.5	3973.1	4472.3	4944.2
45°	1237.6	1423.3	1634.9	1895.2	2214.9	2612.2	3079.5	3610.8	4171.0	4776.8	5352.2
47.5°	1144.8	1333.5	1539.0	1823.6	2176.8	2619.8	3143.4	3734.1	4358.2	5014.3	5697.8
50°	1061.0	1243.6	1446.1	1732.3	2117.4	2615.2	3201.2	3845.2	4519.6	5201.6	5964.1
52.5°	978.8	1164.6	1371.5	1644.0	2044.4	2589.3	3228.7	3936.6	4668.7	5390.3	6178.9
55°	898.1	1080.8	1289.3	1560.3	1948.5	2522.4	3225.7	3996.0	4787.5	5568.4	6385.8
57.5°	803.7	977.3	1181.2	1467.5	1846.5	2418.9	3180.0	4023.3	4889.4	5745.0	6634.0
60°	686.5	849.4	1045.8	1332.0	1712.5	2286.4	3084.0	4008.1	4948.8	5875.9	6845.6
62.5°	542.0	683.5	863.1	1143.2	1545.1	2096.2	2904.5	3869.5	4854.5	5857.6	6944.5
63°	511.5	645.4	820.5	1097.5	1473.6	2044.4	2851.2	3814.7	4808.8	5819.6	6930.8
65°	411.0	497.8	637.8	885.9	1233.1	1790.2	2586.3	3533.2	4563.7	5551.6	6733.0
67.5°	315.1	359.3	433.9	607.4	872.2	1408.1	2094.6	2994.3	3960.9	4889.4	6095.1
70°	269.4	289.2	321.2	403.4	554.1	889.0	1470.5	2233.2	3070.4	3875.6	4959.5
72.5°	245.1	254.2	271.0	306.0	380.5	532.7	937.7	1453.8	2088.5	2762.9	3600.1
75°	225.3	233.0	246.6	264.9	292.2	354.7	534.3	889.0	1357.8	1814.5	2429.5
77.5°	205.5	210.1	225.3	242.1	260.3	292.2	353.2	511.5	780.9	1070.2	1464.5
80°	188.8	185.7	196.4	223.7	242.1	260.3	278.5	331.8	444.5	586.1	791.6
82.5°	150.7	153.8	162.9	190.3	197.9	193.4	196.4	205.5	248.1	271.0	404.9
85°	102.0	94.4	92.8	95.9	95.9	91.3	91.3	89.8	99.0	112.6	193.4
87.5°	27.4	13.7	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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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°	1592.2	1590.8	1592.2	1584.7	1584.7	1583.1	1581.7	1578.5	1578.5	1572.4	1577.1	2.5°
5°	1622.7	1619.7	1613.6	1604.5	1599.9	1593.8	1593.8	1587.7	1583.1	1577.1	1578.5	5°
7.5°	1657.7	1659.3	1648.6	1641.0	1637.9	1631.8	1633.4	1624.2	1625.8	1621.2	1618.1	7.5°
10°	1677.5	1677.5	1680.5	1679.1	1682.1	1682.1	1686.6	1680.5	1677.5	1673.0	1673.0	10°
12.5°	1709.5	1715.5	1727.8	1727.8	1736.9	1739.9	1741.5	1744.5	1738.4	1735.3	1724.7	12.5°
15°	1788.6	1803.8	1814.5	1829.7	1848.0	1854.1	1854.1	1848.0	1845.0	1840.4	1820.6	15°
17.5°	1919.6	1953.1	1962.2	1986.5	1989.5	1997.2	2018.5	2006.3	1998.8	1966.7	1960.6	17.5°
20°	2053.5	2096.2	2138.8	2169.2	2184.5	2214.9	2219.5	2213.4	2182.9	2152.4	2138.8	20°
22.5°	2214.9	2278.9	2327.6	2374.7	2397.5	2412.7	2446.2	2438.7	2414.3	2368.6	2350.4	22.5°
25°	2443.2	2522.4	2574.1	2632.0	2662.4	2677.6	2711.1	2711.1	2685.3	2671.5	2670.1	25°
27.5°	2730.9	2828.3	2913.6	2933.4	3012.5	3030.8	3062.8	3062.8	3038.4	3021.7	3102.4	27.5°
30°	3050.6	3152.5	3300.2	3399.2	3495.1	3589.4	3588.0	3594.0	3623.0	3638.1	3673.2	30°
32.5°	3370.3	3496.6	3653.4	3868.1	4073.6	4248.6	4475.4	4620.0	4575.9	4452.5	4403.8	32.5°
35°	3758.4	3898.4	4088.8	4305.0	4680.9	4907.8	5017.3	5094.9	5104.1	5120.8	5155.9	35°
37.5°	4190.8	4425.2	4645.9	4891.0	5099.6	5375.0	5629.3	5833.3	5880.4	5976.4	5921.6	37.5°
40°	4737.2	4999.1	5230.5	5547.0	5827.2	6159.1	6522.8	6802.9	6915.5	6879.1	6605.1	40°
42.5°	5309.6	5633.9	5904.8	6277.7	6641.6	7080.0	7456.0	7847.2	7917.2	7635.6	7226.1	42.5°
45°	5836.3	6238.1	6574.6	6962.8	7407.3	7932.4	8434.8	8836.7	8823.0	8340.4	7792.4	45°
47.5°	6309.7	6802.9	7214.0	7719.4	8197.3	8823.0	9399.9	9696.8	9521.7	8950.9	8279.5	47.5°
50°	6700.9	7316.0	7822.8	8334.3	8941.7	9695.2	10250.9	10418.2	10080.3	9459.3	8753.0	50°
52.5°	7016.1	7787.9	8357.2	8946.2	9713.5	10506.5	10984.6	10922.2	10485.3	9847.5	9144.1	52.5°
55°	7282.5	8148.6	8827.6	9523.2	10474.6	11205.3	11523.4	11356.0	10745.6	10098.7	9412.1	55°
57.5°	7557.9	8498.8	9259.9	10066.6	11126.1	11753.3	11929.8	11585.8	10868.9	10194.5	9527.8	57.5°
60°	7833.5	8791.0	9642.0	10541.6	11619.4	12200.8	12152.1	11637.6	10832.3	10124.5	9450.2	60°
62.5°	8019.2	8964.6	9864.1	10833.9	11989.2	12429.2	12130.8	11453.4	10620.7	9848.9	9218.8	62.5°
63°	8023.8	8970.7	9877.9	10853.7	12030.4	12436.8	12089.7	11388.0	10553.8	9792.6	9150.3	63°
65°	7927.9	8856.5	9756.1	10763.8	11995.3	12261.8	11735.0	11001.3	10171.7	9402.9	8794.1	65°
67.5°	7437.7	8384.6	9179.2	10129.0	11368.2	11444.2	10785.2	10193.0	9447.0	8651.0	8014.6	67.5°
70°	6449.7	7236.8	8016.2	8809.2	9848.9	9835.2	9215.8	8914.3	8261.2	7354.0	6844.0	70°
72.5°	5129.9	5836.3	6384.4	6915.5	7600.6	7462.1	7063.2	7146.9	6723.7	6046.4	5743.4	72.5°
75°	3808.7	4585.0	4853.0	5069.1	5358.3	5359.8	5469.4	5706.9	5700.8	5324.9	4942.8	75°
77.5°	2498.0	3347.5	3437.2	3610.8	3957.8	4429.7	4916.9	5440.5	5571.4	5274.6	4709.8	77.5°
80°	1392.8	2275.8	2172.2	2321.5	2695.9	3336.8	4055.2	4633.8	4974.7	4808.8	4210.6	80°
82.5°	712.4	1312.2	1254.3	1461.3	1764.2	2321.5	2796.4	3240.8	3642.7	3619.9	3393.1	82.5°
85°	369.9	718.5	817.4	925.5	1077.7	1277.2	1456.8	1586.2	1753.7	2048.9	2149.4	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	0.0	109.6	79.2	217.7	310.6	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°
1596.9	1596.9	1596.9	1596.9	1596.9	1596.9	1596.9
1578.5	1580.1	1577.1	1577.1	1578.5	1578.5	1575.5
1575.5	1575.5	1572.4	1569.4	1566.4	1566.4	1563.3
1610.6	1610.6	1599.9	1595.3	1587.7	1581.7	1578.5
1662.3	1653.2	1641.0	1631.8	1619.7	1606.0	1598.3
1714.1	1700.3	1685.2	1671.4	1656.2	1641.0	1633.4
1799.3	1781.0	1761.2	1744.5	1723.2	1700.3	1691.2
1930.3	1901.2	1875.4	1851.1	1813.0	1796.3	1778.0
2103.7	2061.1	2027.7	1986.5	1939.4	1924.1	1901.2
2313.8	2277.3	2210.3	2179.9	2132.6	2109.8	2114.4
2633.5	2586.3	2508.7	2479.8	2475.1	2425.0	2400.6
3050.6	3053.7	2982.1	2904.5	2861.9	2782.7	2682.2
3644.2	3603.2	3519.5	3440.3	3339.8	3190.7	3023.2
4362.8	4271.4	4133.0	3985.3	3807.2	3577.3	3342.9
5064.6	4904.7	4683.9	4437.4	4180.1	3893.9	3562.1
5681.0	5433.0	5102.6	4819.5	4455.6	4097.9	3693.0
6244.2	5936.8	5510.6	5143.7	4714.4	4254.7	3775.2
6789.2	6399.6	5877.4	5381.1	4895.5	4359.7	3814.7
7308.3	6806.0	6186.4	5595.8	5028.0	4428.2	3820.8
7707.2	7159.2	6463.5	5751.1	5119.4	4480.0	3820.8
8077.1	7457.5	6675.0	5872.8	5204.6	4515.0	3823.9
8364.8	7667.6	6812.0	5959.6	5271.5	4540.8	3837.6
8573.3	7804.6	6903.4	6012.8	5320.3	4577.4	3868.1
8719.5	7894.4	6953.7	6060.1	5379.6	4641.3	3953.3
8789.4	8060.3	7037.4	6154.5	5481.7	4776.8	4123.7
8736.2	8317.6	7276.4	6314.3	5623.2	4988.4	4396.3
8713.4	8364.8	7341.9	6349.3	5655.1	5034.1	4490.7
8535.2	8411.9	7611.3	6525.9	5807.4	5236.6	4754.0
7982.7	8226.2	7838.0	6824.2	6134.7	5728.2	5245.7
7267.3	7950.7	7797.0	6862.3	6343.2	6131.6	5556.2
6410.2	7118.0	6974.9	6355.4	6113.4	6136.2	5475.5
5044.8	5576.0	5481.7	5263.9	5312.6	5480.1	4690.1
4041.6	3970.1	3752.3	3767.6	4049.2	4245.6	3376.4
3301.8	2673.1	2389.9	2397.5	2889.2	3093.3	2151.0
3142.0	2528.5	2059.6	1799.3	2102.3	2024.6	1123.4
2237.7	2242.3	1860.2	1511.6	1464.5	1245.2	700.2
529.7	424.7	302.9	225.3	237.5	156.8	79.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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