

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: P152752

Luminaire Tested: **VXS-E05-LED-E1-SLL-7060**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P152752
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-7060
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (105) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14275.5 lumens
Efficiency: N/A
Efficacy: 112.1 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



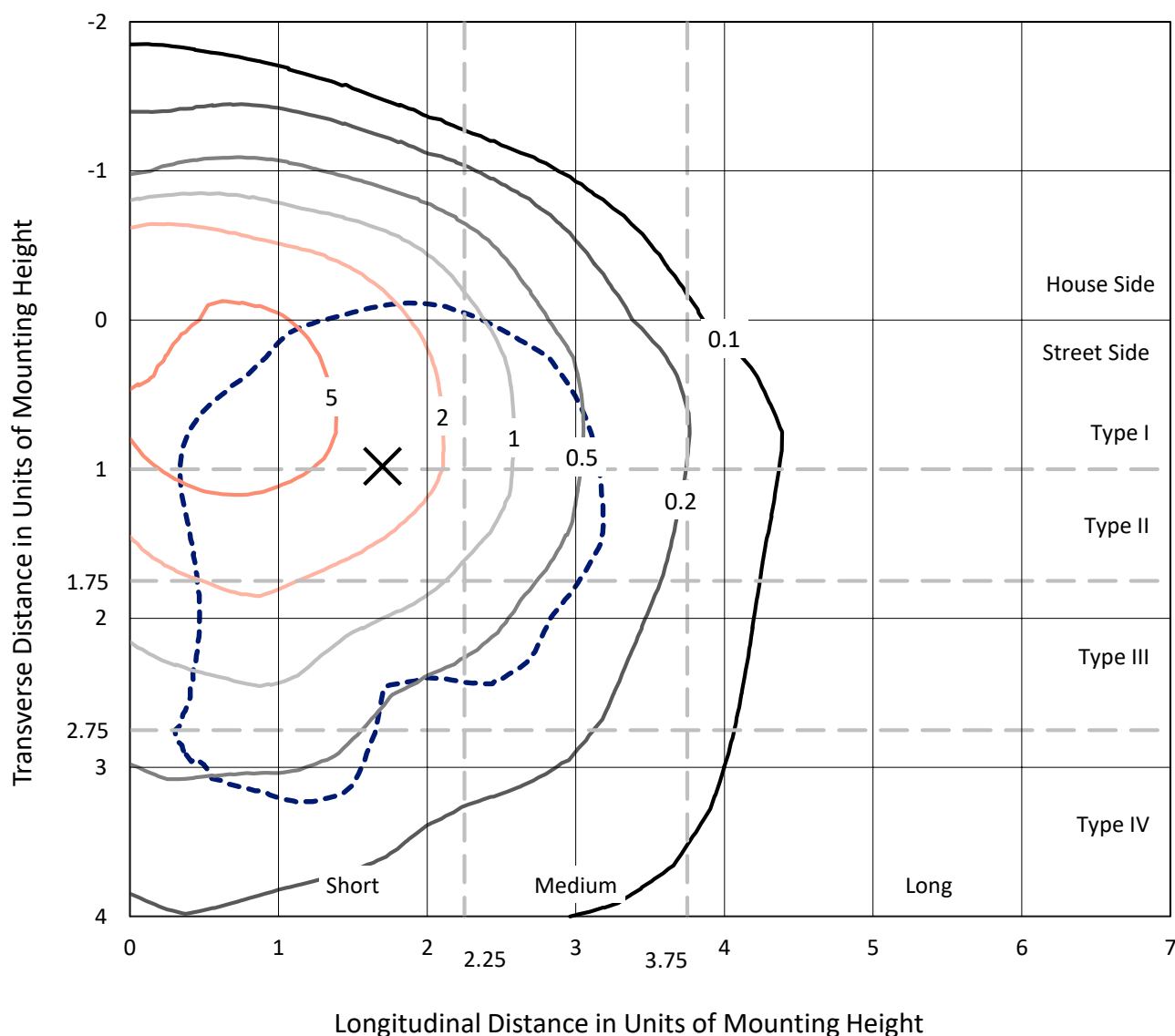
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

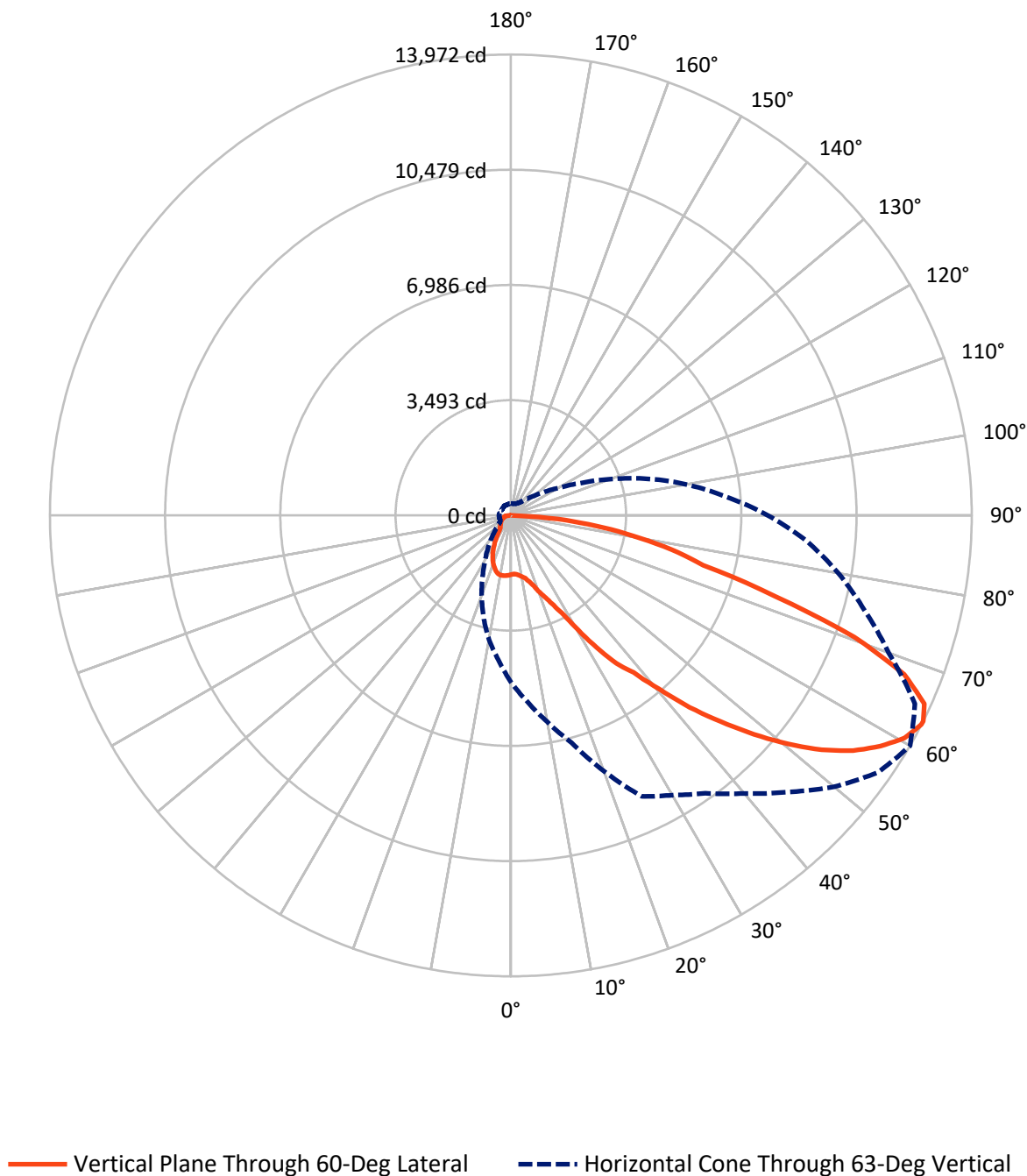


Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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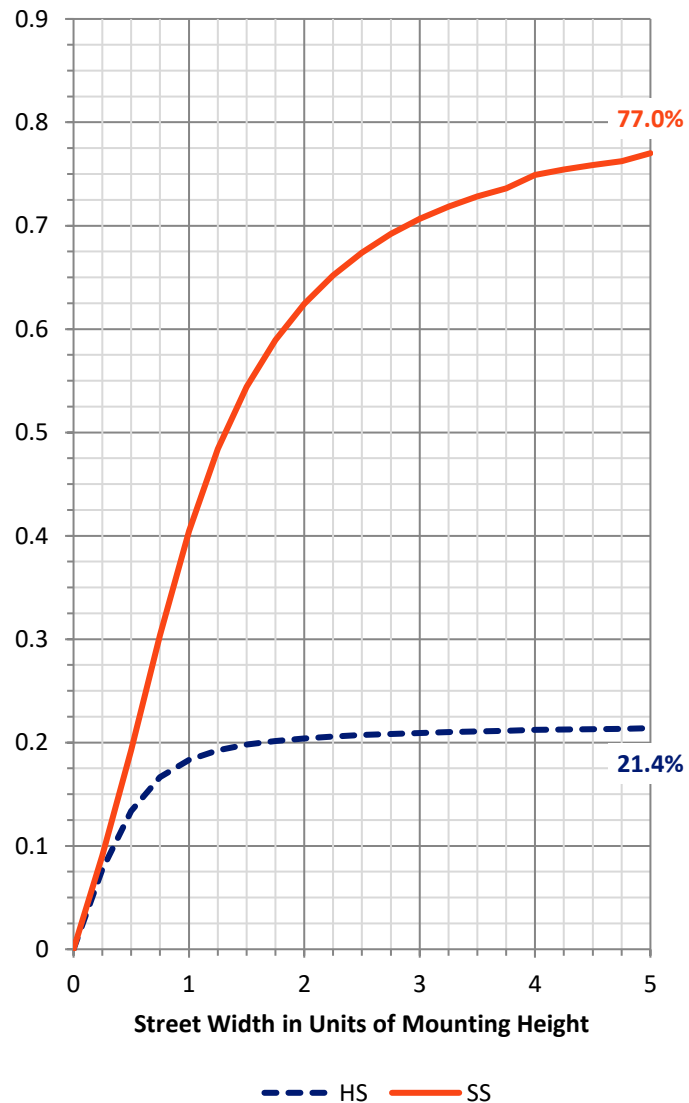
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3095.6	0.0	3095.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	11179.9	0.0	11179.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	14275.5	0.0	14275.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	1.2
10°-20°	543.9	3.8
20°-30°	966.2	6.8
30°-40°	1521.6	10.7
40°-50°	2239.3	15.7
50°-60°	2974.4	20.8
60°-70°	3276.3	23.0
70°-80°	2055.6	14.4
80°-90°	523.5	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°	14275.5	100.0
0°-180°	14275.5	100.0

Coefficient of Utilization



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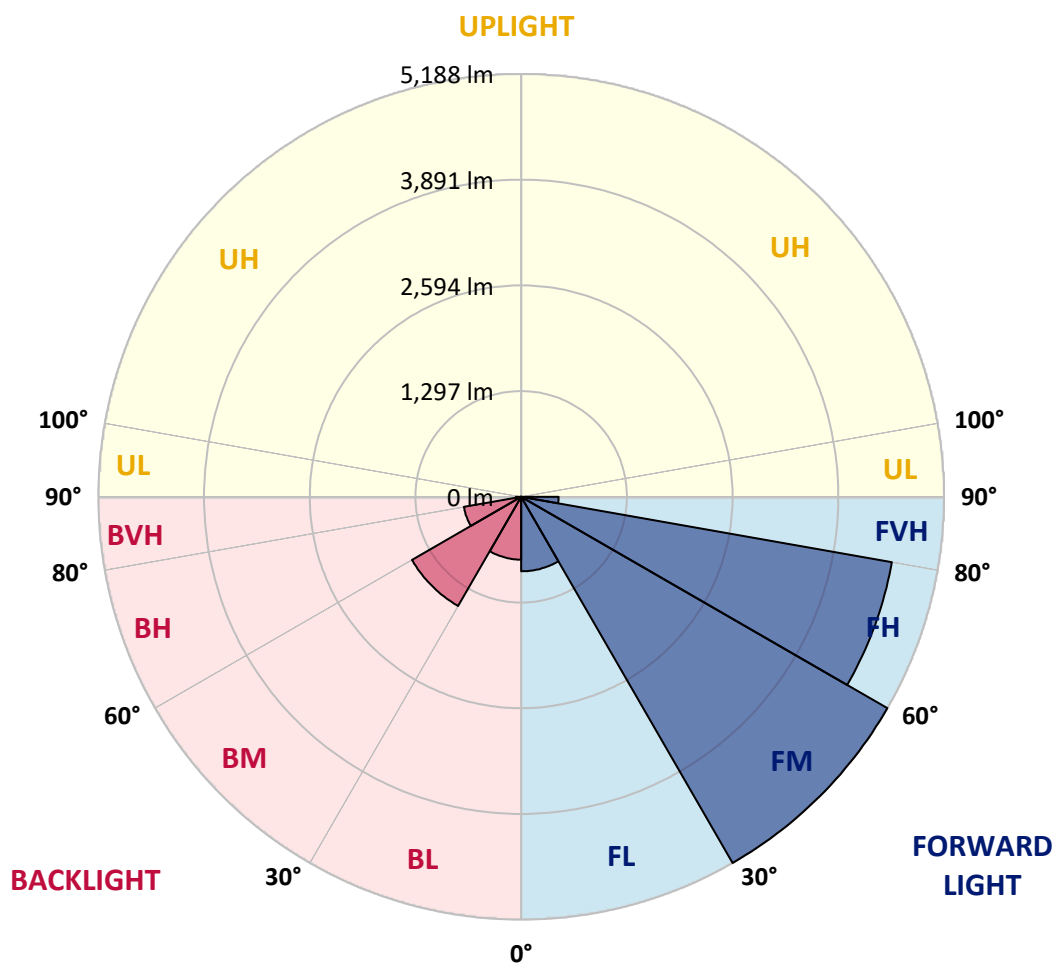
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	914.1	6.4			
FM	(30°-60°)	5188.0	36.3			
FH	(60°-80°)	4618.3	32.4			G2/5000
FVH	(80°-90°)	459.4	3.2			G3/500
BL	(0°-30°)	770.7	5.4	B2/1000		
BM	(30°-60°)	1547.2	10.8	B2/2500		
BH	(60°-80°)	713.6	5.0	B2/1000		G2/1000
BVH	(80°-90°)	64.1	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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1770.1	1773.5	1773.5	1771.7	1771.7	1775.1	1773.5	1771.7	1766.6	1773.5	1773.5
5°	1756.4	1759.8	1759.8	1763.2	1766.6	1770.1	1770.1	1773.5	1771.7	1778.5	1783.7
7.5°	1773.5	1776.9	1783.7	1792.2	1797.4	1809.3	1809.3	1817.9	1821.3	1826.4	1824.8
10°	1795.6	1804.2	1819.6	1833.3	1843.5	1857.2	1867.5	1879.5	1879.5	1884.7	1888.1
12.5°	1835.0	1843.5	1860.6	1877.8	1893.2	1910.3	1925.7	1937.6	1949.6	1953.1	1959.9
15°	1900.0	1910.3	1936.0	1959.9	1978.7	2000.9	2021.5	2045.4	2067.6	2072.7	2076.2
17.5°	1997.5	2018.0	2036.8	2079.6	2106.9	2136.0	2168.5	2202.7	2209.5	2245.5	2254.0
20°	2136.0	2161.7	2178.8	2231.8	2277.9	2315.5	2363.4	2402.8	2418.2	2452.4	2486.6
22.5°	2375.4	2370.3	2396.0	2449.0	2483.2	2558.4	2599.5	2640.5	2661.0	2712.3	2739.7
25°	2697.0	2724.4	2780.7	2785.9	2818.3	2905.6	2958.7	2999.7	3001.3	3016.8	3045.8
27.5°	3013.4	3126.2	3215.1	3263.0	3350.3	3430.6	3427.2	3485.4	3394.7	3413.5	3440.8
30°	3396.4	3584.6	3752.1	3865.0	3953.9	4048.0	4094.2	4126.6	4087.4	4070.3	4037.7
32.5°	3755.5	4019.0	4277.1	4477.2	4643.1	4798.8	4901.3	4947.6	5002.3	5140.8	5190.4
35°	4001.8	4374.6	4696.2	4985.2	5262.2	5510.2	5689.7	5792.3	5753.1	5734.2	5723.9
37.5°	4148.9	4603.8	5005.7	5414.4	5732.5	6103.6	6382.4	6652.5	6714.2	6606.4	6553.4
40°	4241.2	4779.9	5296.4	5778.7	6190.9	6669.6	7015.1	7420.4	7728.3	7769.3	7642.8
42.5°	4285.7	4897.9	5499.9	6045.5	6603.0	7189.5	7627.4	8118.2	8578.2	8894.6	8816.0
45°	4292.5	4974.9	5648.7	6286.6	6950.2	7646.2	8210.6	8754.4	9370.1	9912.2	9927.6
47.5°	4292.5	5033.1	5751.3	6461.0	7261.5	8043.0	8658.7	9301.7	10055.9	10697.1	10893.8
50°	4296.0	5072.3	5847.0	6597.8	7499.2	8378.1	9074.2	9833.5	10627.0	11324.8	11704.5
52.5°	4311.4	5101.5	5922.4	6695.3	7653.1	8614.2	9397.4	10273.1	11063.1	11779.7	12270.5
55°	4345.6	5142.5	5977.1	6755.2	7755.6	8768.1	9631.7	10574.0	11345.3	12072.1	12757.9
57.5°	4441.3	5214.3	6043.7	6808.2	7812.1	8869.0	9795.9	10704.0	11453.1	12210.7	13016.2
60°	4632.8	5366.5	6158.3	6914.2	7906.1	9055.3	9874.5	10616.8	11374.4	12169.6	13074.3
62.5°	4939.0	5604.2	6317.4	7093.8	8174.6	9344.4	9814.7	10356.8	11064.9	11931.9	12867.4
63°	5045.0	5655.5	6353.3	7133.2	8248.2	9397.4	9789.0	10279.9	11001.6	11856.7	12793.8
65°	5340.8	5883.0	6524.4	7331.5	8550.9	9450.5	9588.9	9879.7	10563.7	11427.4	12359.5
67.5°	5893.3	6435.4	6892.0	7666.7	8805.7	9241.8	8968.2	9004.0	9719.0	10613.4	11451.3
70°	6242.2	6888.6	7126.3	7709.4	8759.5	8932.2	8164.4	7688.9	8261.9	9281.1	10014.8
72.5°	6151.5	6893.7	6868.1	7140.0	7836.1	7996.8	7201.6	6452.5	6792.8	7553.9	8029.3
75°	5269.0	6156.7	5968.5	5913.8	6158.3	6264.4	5667.6	5553.0	5982.2	6404.6	6411.4
77.5°	3793.2	4769.6	4549.1	4232.6	4215.5	4460.1	4540.5	5291.3	5925.8	6259.3	6112.1
80°	2416.5	3475.0	3245.9	2693.6	2685.0	3003.1	3709.3	4730.4	5402.5	5588.8	5205.8
82.5°	1262.1	2274.5	2361.8	2021.5	2313.9	2840.6	3529.8	3812.0	4066.8	4092.4	3640.9
85°	786.6	1399.0	1645.2	1698.2	2089.8	2519.1	2514.0	2414.8	2301.9	1970.2	1782.0
87.5°	88.9	176.2	266.7	253.1	340.3	477.1	595.1	348.9	244.6	88.9	123.1
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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1776.9	1778.5	1780.3	1780.3	1788.8	1787.2	1788.8	1792.2	1797.4	1800.8	1804.2
5°	1790.6	1790.6	1797.4	1802.5	1812.7	1819.6	1823.0	1833.3	1845.3	1841.9	1852.1
7.5°	1835.0	1833.3	1840.1	1843.5	1852.1	1864.0	1862.4	1870.9	1881.2	1884.7	1893.2
10°	1894.9	1889.7	1889.7	1886.3	1888.1	1884.7	1884.7	1884.7	1891.5	1889.7	1896.6
12.5°	1956.5	1954.7	1951.3	1941.0	1941.0	1927.4	1920.5	1912.0	1910.3	1898.3	1900.0
15°	2083.0	2083.0	2076.2	2055.6	2038.5	2026.5	2009.4	1997.5	1980.4	1958.1	1946.2
17.5°	2267.7	2243.7	2235.2	2231.8	2204.5	2194.2	2156.6	2117.2	2098.3	2067.6	2050.5
20°	2493.5	2488.3	2454.1	2437.0	2402.8	2354.9	2307.0	2255.8	2225.0	2187.4	2166.8
22.5°	2748.3	2710.7	2693.6	2667.9	2614.8	2560.1	2488.3	2419.9	2372.0	2346.3	2331.0
25°	3045.8	3008.2	2991.1	2956.9	2891.9	2833.8	2744.9	2664.5	2621.7	2579.0	2555.0
27.5°	3440.8	3405.0	3384.5	3295.5	3273.3	3177.5	3068.1	2958.7	2902.2	2838.9	2797.8
30°	4030.9	4032.6	3926.5	3818.9	3707.7	3541.8	3427.2	3304.0	3211.7	3121.0	3030.5
32.5°	5027.9	4773.1	4576.5	4345.6	4104.5	3928.3	3786.3	3639.3	3511.0	3379.3	3228.8
35°	5636.8	5513.6	5258.8	4836.4	4593.6	4379.8	4222.4	4044.6	3887.3	3654.6	3425.5
37.5°	6324.2	6038.7	5729.1	5494.8	5219.5	4971.5	4708.1	4506.3	4234.4	3921.5	3596.5
40°	7328.1	6919.4	6546.5	6231.9	5876.2	5616.2	5322.1	5029.6	4668.8	4215.5	3769.2
42.5°	8376.5	7954.0	7461.5	7052.7	6633.8	6329.3	5965.1	5554.6	5024.5	4463.5	3918.0
45°	9476.1	8911.7	8321.8	7822.4	7386.2	7008.3	6556.8	6013.0	5366.5	4685.9	4056.6
47.5°	10560.3	9912.2	9209.3	8672.3	8104.6	7642.8	7088.7	6401.1	5633.4	4896.3	4195.0
50°	11516.4	10892.1	10045.6	9363.2	8788.6	8219.1	7528.2	6700.5	5843.6	5077.5	4319.9
52.5°	12340.6	11803.6	10912.6	10050.7	9388.9	8749.2	7882.2	6941.6	6055.8	5245.1	4422.5
55°	12946.0	12588.6	11767.7	10698.9	9917.3	9154.6	8181.5	7174.2	6255.9	5378.5	4489.2
57.5°	13402.7	13204.2	12499.7	11309.4	10403.0	9547.9	8491.0	7453.0	6454.2	5493.1	4520.0
60°	13652.3	13707.0	13053.8	11843.0	10832.2	9876.3	8800.5	7690.7	6601.2	5559.8	4502.9
62.5°	13628.4	13963.6	13469.3	12171.3	11082.0	10071.2	9009.2	7801.9	6580.7	5453.8	4347.3
63°	13582.2	13972.1	13515.5	12193.6	11097.3	10078.0	9014.3	7786.4	6538.0	5402.5	4285.7
65°	13183.7	13775.4	13476.2	12092.6	10960.5	9949.8	8906.6	7564.1	6237.0	5127.2	3969.3
67.5°	12116.6	12857.1	12771.6	11379.5	10312.3	9419.7	8356.0	6847.6	5493.1	4449.8	3363.9
70°	10353.4	11049.4	11064.9	9896.8	9005.8	8130.2	7246.0	5571.7	4354.1	3449.4	2508.8
72.5°	7935.2	8383.3	8538.9	7769.3	7172.4	6556.8	5763.3	4044.6	3103.9	2346.3	1633.3
75°	6144.7	6021.6	6019.8	5694.9	5452.0	5151.1	4278.9	2729.4	2038.5	1525.5	998.8
77.5°	5523.8	4976.6	4446.4	4056.6	3861.6	3760.7	2806.4	1645.2	1202.3	877.3	574.6
80°	4556.0	3748.7	3028.7	2608.0	2440.4	2556.7	1564.8	889.3	658.4	499.4	372.8
82.5°	3141.6	2608.0	1982.1	1641.8	1409.2	1474.2	800.3	454.9	304.5	278.8	230.9
85°	1636.7	1434.8	1210.8	1039.8	918.3	807.3	415.5	217.2	126.5	111.2	100.9
87.5°	0.0	1.8	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°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1809.3	1807.7	1811.1	1812.7	1817.9	1821.3	1823.0	1819.6	1824.8	1829.8	1826.4
5°	1857.2	1869.2	1870.9	1876.1	1876.1	1886.3	1886.3	1886.3	1884.7	1886.3	1882.9
7.5°	1898.3	1913.7	1915.4	1922.3	1923.9	1936.0	1930.8	1934.2	1934.2	1925.7	1922.3
10°	1903.4	1918.9	1927.4	1936.0	1947.9	1963.3	1963.3	1971.8	1971.8	1965.0	1963.3
12.5°	1905.2	1917.1	1925.7	1937.6	1954.7	1977.0	1988.9	2000.9	2006.0	2004.4	1999.2
15°	1941.0	1941.0	1942.8	1953.1	1965.0	1992.3	2009.4	2023.1	2031.7	2028.3	2019.7
17.5°	2035.1	2021.5	2011.2	1994.1	1997.5	2011.2	2021.5	2033.4	2035.1	2031.7	2018.0
20°	2144.6	2127.5	2101.8	2074.4	2060.7	2050.5	2043.6	2043.6	2038.5	2021.5	1999.2
22.5°	2300.2	2277.9	2242.1	2201.0	2173.7	2141.1	2101.8	2064.1	2023.1	1982.1	1934.2
25°	2515.6	2484.9	2447.3	2383.9	2325.8	2257.4	2177.1	2093.3	1995.8	1910.3	1840.1
27.5°	2732.8	2664.5	2566.9	2479.8	2372.0	2269.4	2154.8	2052.2	1927.4	1824.8	1747.8
30°	2912.4	2782.5	2642.2	2503.7	2361.8	2223.2	2086.4	1963.3	1826.4	1722.2	1646.9
32.5°	3051.0	2871.4	2676.5	2495.1	2320.7	2151.4	1994.1	1857.2	1718.8	1611.0	1530.6
35°	3179.2	2929.5	2681.6	2457.5	2242.1	2065.9	1888.1	1739.3	1592.1	1479.3	1392.1
37.5°	3275.0	2956.9	2650.8	2387.4	2139.4	1942.8	1761.5	1609.3	1458.8	1335.6	1236.5
40°	3336.6	2939.8	2584.0	2286.5	2018.0	1811.1	1626.4	1469.0	1323.6	1188.6	1068.8
42.5°	3386.1	2917.5	2517.4	2194.2	1922.3	1696.5	1506.6	1337.3	1190.3	1043.2	911.5
45°	3459.7	2934.6	2488.3	2129.1	1836.7	1599.0	1390.4	1214.2	1060.3	916.7	790.1
47.5°	3531.5	2943.2	2445.6	2048.8	1729.0	1498.1	1286.0	1115.0	957.7	826.0	709.7
50°	3596.5	2938.0	2378.9	1946.2	1624.7	1397.2	1192.0	1020.9	865.4	743.9	634.5
52.5°	3627.3	2909.0	2296.8	1846.9	1540.8	1308.3	1099.7	933.8	779.8	665.3	564.4
55°	3623.8	2833.8	2189.0	1753.0	1448.5	1214.2	1009.0	844.9	706.3	600.3	513.1
57.5°	3572.5	2717.5	2074.4	1648.6	1327.0	1097.9	903.0	743.9	627.7	538.8	465.2
60°	3464.8	2568.7	1923.9	1496.4	1174.9	954.3	771.3	634.5	540.4	472.0	424.1
62.5°	3263.0	2354.9	1735.9	1284.4	969.6	767.9	608.8	519.9	449.7	408.7	386.5
63°	3203.1	2296.8	1655.4	1233.1	921.8	725.1	574.6	482.3	431.0	395.0	374.5
65°	2905.6	2011.2	1385.3	995.3	716.6	559.3	461.8	391.6	360.8	345.5	343.7
67.5°	2353.2	1581.9	979.9	682.4	487.4	403.6	354.0	325.0	311.3	307.9	311.3
70°	1652.0	998.8	622.5	453.2	360.8	325.0	302.7	290.8	282.2	283.9	287.4
72.5°	1053.5	598.5	427.6	343.7	304.5	285.6	275.3	271.9	270.3	268.5	268.5
75°	600.3	398.4	328.4	297.6	277.1	261.7	253.1	249.6	251.4	253.1	249.6
77.5°	396.8	328.4	292.4	271.9	253.1	236.0	230.9	229.1	232.5	236.0	236.0
80°	313.0	292.4	271.9	251.4	220.6	208.6	212.0	213.8	212.0	213.8	208.6
82.5°	220.6	217.2	222.3	213.8	183.0	172.7	169.3	171.0	167.6	167.6	164.1
85°	102.6	102.6	107.8	107.8	104.4	106.0	114.6	124.9	129.9	124.9	118.0
87.5°	0.0	0.0	0.0	0.0	0.0	15.4	30.8	44.5	47.9	59.9	58.1
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: P152752

CATALOG NUMBER: VXS-E05-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1821.3	1824.8	1823.0	1821.3	1824.8	1821.3	1823.0	1821.3	1821.3	1819.6	1819.6
5°	1879.5	1884.7	1874.4	1872.6	1869.2	1860.6	1860.6	1857.2	1857.2	1850.4	1845.3
7.5°	1917.1	1918.9	1910.3	1908.6	1900.0	1891.5	1884.7	1877.8	1876.1	1870.9	1860.6
10°	1953.1	1949.6	1942.8	1934.2	1925.7	1913.7	1905.2	1896.6	1894.9	1886.3	1874.4
12.5°	1983.8	1982.1	1968.4	1959.9	1946.2	1934.2	1923.9	1913.7	1908.6	1898.3	1881.2
15°	2004.4	1994.1	1977.0	1961.6	1946.2	1932.5	1920.5	1908.6	1903.4	1891.5	1874.4
17.5°	1995.8	1977.0	1954.7	1936.0	1915.4	1898.3	1888.1	1876.1	1867.5	1860.6	1836.7
20°	1965.0	1937.6	1903.4	1881.2	1853.8	1831.6	1824.8	1812.7	1805.9	1780.3	1749.5
22.5°	1884.7	1845.3	1802.5	1770.1	1739.3	1717.0	1699.9	1688.0	1670.9	1655.4	1607.6
25°	1783.7	1739.3	1694.8	1655.4	1614.4	1580.2	1549.4	1520.3	1511.8	1479.3	1433.2
27.5°	1686.2	1636.7	1592.1	1546.0	1493.0	1450.3	1397.2	1356.2	1328.8	1294.6	1251.8
30°	1581.9	1532.3	1472.4	1410.9	1349.3	1303.1	1243.3	1193.7	1159.5	1123.6	1084.2
32.5°	1450.3	1390.4	1318.5	1250.2	1193.7	1139.0	1079.2	1031.2	997.0	964.6	926.9
35°	1299.7	1221.0	1144.1	1068.8	1009.0	962.8	909.8	873.9	849.9	820.9	781.6
37.5°	1127.0	1038.0	956.0	897.8	844.9	800.3	762.7	740.5	714.8	699.5	675.5
40°	952.5	865.4	785.0	731.9	687.5	661.9	641.3	636.2	619.1	598.5	583.2
42.5°	798.7	714.8	636.2	593.5	564.4	557.5	547.3	547.3	538.8	523.3	513.1
45°	694.3	607.2	538.8	507.9	492.5	490.8	485.7	485.7	483.9	477.1	465.2
47.5°	619.1	540.4	487.4	468.6	465.2	461.8	456.6	454.9	453.2	448.1	441.2
50°	550.7	483.9	449.7	441.2	442.9	437.8	432.6	427.6	425.8	420.7	413.9
52.5°	487.4	439.5	417.3	412.1	412.1	412.1	408.7	408.7	405.3	403.6	396.8
55°	451.5	415.5	403.6	401.9	400.2	398.4	395.0	395.0	391.6	389.9	381.3
57.5°	420.7	398.4	391.6	388.2	386.5	383.1	381.3	381.3	381.3	381.3	371.1
60°	396.8	386.5	384.8	381.3	379.7	372.8	369.4	367.7	369.4	371.1	360.8
62.5°	371.1	369.4	367.7	364.2	362.6	355.8	350.6	347.2	350.6	354.0	352.3
63°	364.2	362.6	362.6	360.8	359.2	350.6	345.5	342.1	345.5	348.9	348.9
65°	340.3	342.1	342.1	340.3	338.7	333.5	326.6	323.2	325.0	330.1	331.8
67.5°	314.7	316.4	314.7	316.4	314.7	311.3	306.1	302.7	301.0	302.7	304.5
70°	290.8	294.2	292.4	290.8	289.0	289.0	285.6	280.5	278.8	277.1	277.1
72.5°	270.3	270.3	266.7	266.7	265.1	265.1	261.7	256.5	254.8	254.8	251.4
75°	248.0	248.0	242.8	242.8	239.4	241.1	237.7	232.5	230.9	230.9	229.1
77.5°	234.3	229.1	220.6	218.9	217.2	217.2	215.4	210.4	208.6	208.6	206.9
80°	206.9	196.7	188.1	186.4	188.1	191.5	191.5	188.1	188.1	188.1	188.1
82.5°	160.7	157.3	152.2	148.8	148.8	153.9	160.7	164.1	167.6	171.0	171.0
85°	118.0	119.7	118.0	112.8	111.2	116.3	123.1	129.9	131.7	138.5	136.8
87.5°	63.3	65.0	59.9	58.1	63.3	66.7	73.6	75.2	78.7	80.4	82.1
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: P152752

CATALOG NUMBER: VXS-E05-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
2.5°	1817.9	1816.2	1817.9	1814.5	1814.5	1811.1	1807.7	1805.9	1802.5	1800.8	1797.4
5°	1848.7	1843.5	1838.4	1836.7	1829.8	1823.0	1817.9	1809.3	1802.5	1790.6	1787.2
7.5°	1869.2	1857.2	1850.4	1848.7	1838.4	1833.3	1821.3	1811.1	1800.8	1785.4	1780.3
10°	1877.8	1865.8	1853.8	1848.7	1836.7	1828.2	1816.2	1800.8	1792.2	1776.9	1773.5
12.5°	1888.1	1865.8	1846.9	1833.3	1816.2	1797.4	1785.4	1776.9	1764.9	1756.4	1753.0
15°	1869.2	1840.1	1811.1	1785.4	1758.0	1737.5	1725.6	1711.9	1698.2	1693.1	1693.1
17.5°	1817.9	1780.3	1730.7	1698.2	1669.1	1646.9	1631.5	1617.8	1616.2	1609.3	1612.7
20°	1711.9	1662.3	1614.4	1590.5	1573.4	1559.7	1544.2	1537.4	1532.3	1522.1	1518.7
22.5°	1564.8	1523.7	1489.5	1472.4	1458.8	1441.7	1428.0	1407.5	1402.4	1392.1	1386.9
25°	1402.4	1369.8	1340.8	1328.8	1320.2	1296.3	1287.8	1260.4	1241.6	1229.6	1236.5
27.5°	1239.9	1216.0	1188.6	1173.2	1168.1	1145.8	1137.3	1106.5	1091.1	1091.1	1074.0
30°	1072.3	1050.1	1033.0	1015.9	1012.4	985.1	962.8	950.9	933.8	926.9	914.9
32.5°	914.9	892.7	879.1	870.5	856.8	834.6	812.3	791.8	764.5	754.2	749.0
35°	769.5	752.4	735.3	728.5	709.7	685.8	658.4	641.3	608.8	596.9	591.7
37.5°	658.4	637.9	625.9	607.2	588.3	562.7	542.2	526.7	514.7	509.6	509.6
40°	569.5	554.1	540.4	525.0	509.6	496.0	485.7	482.3	480.5	480.5	483.9
42.5°	502.8	489.1	482.3	473.7	468.6	468.6	466.8	468.6	470.3	472.0	477.1
45°	458.3	449.7	446.3	444.7	448.1	451.5	453.2	456.6	463.4	466.8	468.6
47.5°	434.4	427.6	425.8	427.6	432.6	439.5	446.3	451.5	456.6	458.3	460.0
50°	410.5	401.9	398.4	401.9	408.7	419.0	424.1	432.6	436.1	439.5	436.1
52.5°	389.9	383.1	381.3	381.3	388.2	395.0	401.9	408.7	410.5	410.5	408.7
55°	372.8	367.7	362.6	366.0	371.1	377.9	388.2	393.4	396.8	398.4	398.4
57.5°	359.2	354.0	348.9	352.3	357.4	364.2	374.5	379.7	383.1	388.2	389.9
60°	348.9	342.1	336.9	342.1	347.2	357.4	366.0	371.1	379.7	381.3	381.3
62.5°	338.7	331.8	323.2	328.4	328.4	333.5	342.1	348.9	357.4	360.8	360.8
63°	336.9	330.1	321.6	325.0	325.0	328.4	335.2	342.1	352.3	355.8	354.0
65°	323.2	321.6	313.0	313.0	309.5	313.0	318.1	325.0	330.1	335.2	335.2
67.5°	301.0	299.3	297.6	297.6	297.6	301.0	304.5	309.5	314.7	318.1	316.4
70°	275.3	275.3	275.3	277.1	277.1	280.5	282.2	280.5	285.6	289.0	287.4
72.5°	253.1	251.4	249.6	253.1	251.4	251.4	254.8	253.1	258.2	258.2	259.9
75°	229.1	227.5	227.5	229.1	225.7	222.3	224.0	224.0	225.7	225.7	229.1
77.5°	208.6	208.6	208.6	206.9	203.5	201.8	200.1	200.1	200.1	200.1	201.8
80°	189.8	189.8	189.8	188.1	184.7	181.2	177.8	176.2	174.4	165.9	165.9
82.5°	171.0	171.0	171.0	171.0	169.3	165.9	160.7	147.0	140.2	133.4	135.1
85°	135.1	138.5	142.0	147.0	145.4	145.4	135.1	118.0	107.8	100.9	102.6
87.5°	87.3	77.0	77.0	75.2	71.8	68.4	68.4	58.1	47.9	42.8	44.5
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: P152752
CATALOG NUMBER: VXS-E05-LED-E1-SLL-7060

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	0°
2.5°	1797.4	1794.0	1790.6	1790.6	1785.4	1785.4	1782.0	1788.8	1782.0	1776.9	1776.9	2.5°
5°	1783.7	1780.3	1770.1	1768.3	1761.5	1761.5	1761.5	1758.0	1758.0	1754.6	1753.0	5°
7.5°	1775.1	1766.6	1758.0	1753.0	1753.0	1749.5	1756.4	1753.0	1754.6	1754.6	1756.4	7.5°
10°	1768.3	1761.5	1758.0	1756.4	1756.4	1761.5	1766.6	1768.3	1766.6	1768.3	1768.3	10°
12.5°	1751.2	1754.6	1756.4	1763.2	1771.7	1782.0	1794.0	1795.6	1799.1	1799.1	1802.5	12.5°
15°	1696.5	1705.1	1715.3	1732.4	1754.6	1776.9	1799.1	1817.9	1835.0	1843.5	1850.4	15°
17.5°	1619.6	1628.1	1646.9	1665.7	1694.8	1727.3	1764.9	1797.4	1833.3	1865.8	1898.3	17.5°
20°	1515.2	1528.9	1534.0	1568.2	1602.4	1646.9	1691.4	1742.7	1804.2	1865.8	1929.1	20°
22.5°	1380.1	1395.5	1419.5	1446.8	1482.7	1537.4	1590.5	1670.9	1753.0	1840.1	1939.4	22.5°
25°	1229.6	1246.7	1267.3	1296.3	1332.2	1390.4	1467.4	1552.8	1653.8	1768.3	1891.5	25°
27.5°	1074.0	1091.1	1108.2	1128.7	1169.7	1231.3	1322.0	1410.9	1522.1	1646.9	1790.6	27.5°
30°	918.3	920.1	930.4	956.0	998.8	1079.2	1145.8	1257.0	1373.3	1505.0	1670.9	30°
32.5°	747.4	745.6	757.6	779.8	820.9	897.8	979.9	1087.7	1202.3	1368.2	1539.2	32.5°
35°	595.1	595.1	617.4	639.6	685.8	740.5	812.3	908.1	1043.2	1197.1	1368.2	35°
37.5°	514.7	526.7	540.4	562.7	598.5	641.3	704.6	788.4	894.4	1041.5	1198.9	37.5°
40°	489.1	496.0	507.9	528.4	559.3	598.5	644.8	708.0	790.1	908.1	1051.7	40°
42.5°	478.9	480.5	487.4	502.8	530.2	569.5	617.4	673.8	735.3	819.2	944.0	42.5°
45°	468.6	466.8	470.3	482.3	504.5	549.0	603.7	665.3	726.8	796.9	899.6	45°
47.5°	460.0	460.0	460.0	465.2	485.7	530.2	593.5	665.3	738.8	817.5	918.3	47.5°
50°	436.1	434.4	434.4	437.8	453.2	501.0	576.4	663.5	759.3	862.0	976.5	50°
52.5°	408.7	408.7	410.5	412.1	425.8	473.7	557.5	663.5	783.2	920.1	1063.7	52.5°
55°	400.2	401.9	403.6	401.9	412.1	453.2	537.0	653.3	793.5	966.2	1157.8	55°
57.5°	393.4	396.8	396.8	395.0	401.9	436.1	516.5	632.7	785.0	983.3	1224.5	57.5°
60°	383.1	383.1	383.1	377.9	381.3	412.1	485.7	600.3	757.6	968.0	1234.7	60°
62.5°	360.8	360.8	357.4	355.8	354.0	377.9	444.7	552.4	708.0	926.9	1209.1	62.5°
63°	355.8	354.0	354.0	348.9	348.9	371.1	436.1	545.6	694.3	916.7	1198.9	63°
65°	336.9	336.9	336.9	333.5	331.8	348.9	401.9	497.6	641.3	868.8	1147.6	65°
67.5°	316.4	318.1	314.7	313.0	311.3	321.6	362.6	437.8	559.3	767.9	1051.7	67.5°
70°	287.4	289.0	289.0	287.4	285.6	292.4	318.1	376.3	463.4	639.6	896.2	70°
72.5°	261.7	265.1	265.1	268.5	268.5	273.7	283.9	313.0	371.1	499.4	704.6	72.5°
75°	234.3	236.0	239.4	242.8	239.4	237.7	239.4	261.7	290.8	369.4	502.8	75°
77.5°	210.4	215.4	215.4	213.8	208.6	205.2	205.2	215.4	239.4	280.5	359.2	77.5°
80°	174.4	183.0	184.7	179.6	174.4	174.4	177.8	184.7	200.1	230.9	271.9	80°
82.5°	140.2	148.8	150.5	152.2	150.5	155.6	155.6	157.3	165.9	189.8	222.3	82.5°
85°	107.8	114.6	119.7	121.5	123.1	124.9	123.1	114.6	119.7	135.1	150.5	85°
87.5°	47.9	49.6	46.2	47.9	46.2	47.9	49.6	41.0	39.4	53.1	54.7	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°
1794.0	1794.0	1794.0	1794.0	1794.0	1794.0	1794.0
1775.1	1775.1	1776.9	1773.5	1773.5	1775.1	1770.1
1747.8	1754.6	1754.6	1754.6	1751.2	1754.6	1756.4
1754.6	1759.8	1763.2	1763.2	1761.5	1768.3	1773.5
1763.2	1771.7	1775.1	1775.1	1775.1	1783.7	1795.6
1795.6	1802.5	1807.7	1807.7	1811.1	1821.3	1835.0
1855.5	1864.0	1864.0	1862.4	1872.6	1884.7	1900.0
1922.3	1946.2	1958.1	1956.5	1965.0	1980.4	1997.5
1985.5	2052.2	2081.2	2101.8	2110.4	2130.9	2136.0
2038.5	2149.7	2230.1	2298.4	2331.0	2351.5	2375.4
2019.7	2170.3	2313.9	2454.1	2553.3	2654.2	2697.0
1942.8	2130.9	2319.0	2524.2	2703.8	2883.3	3013.4
1848.7	2074.4	2327.6	2618.2	2902.2	3177.5	3396.4
1740.9	2021.5	2346.3	2705.5	3078.3	3439.2	3755.5
1605.9	1920.5	2300.2	2714.1	3153.6	3591.4	4001.8
1434.8	1783.7	2192.4	2652.4	3157.0	3658.0	4148.9
1263.8	1611.0	2055.6	2563.5	3112.5	3673.5	4241.2
1144.1	1457.1	1917.1	2450.7	3040.7	3649.5	4285.7
1062.0	1345.9	1794.0	2348.1	2963.7	3606.7	4292.5
1055.1	1298.0	1713.6	2272.8	2902.2	3569.1	4292.5
1113.4	1323.6	1686.2	2235.2	2876.5	3557.2	4296.0
1222.8	1426.3	1735.9	2264.2	2897.0	3572.5	4311.4
1354.5	1581.9	1869.2	2365.2	2984.2	3623.8	4345.6
1474.2	1761.5	2096.7	2560.1	3143.3	3753.9	4441.3
1544.2	1915.4	2337.8	2833.8	3415.2	4012.0	4632.8
1552.8	2000.9	2551.6	3131.3	3745.3	4308.0	4939.0
1546.0	2007.8	2579.0	3187.8	3815.4	4381.5	5045.0
1508.4	2009.4	2655.9	3386.1	4058.2	4691.0	5340.8
1412.6	1954.7	2683.3	3541.8	4364.4	5098.0	5893.3
1246.7	1799.1	2602.9	3545.2	4482.4	5325.5	6242.2
1002.2	1503.2	2255.8	3225.4	4171.1	5101.5	6151.5
733.7	1104.8	1705.1	2498.5	3403.2	4246.3	5269.0
487.4	714.8	1149.2	1780.3	2440.4	3056.1	3793.2
335.2	442.9	672.1	1070.6	1493.0	1792.2	2416.5
246.2	292.4	372.8	547.3	718.2	884.1	1262.1
153.9	167.6	186.4	270.3	386.5	521.6	786.6
41.0	42.8	39.4	53.1	83.8	80.4	88.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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