

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: P153309

Luminaire Tested: **VXS-E04-LED-E1-SLR-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P153309
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-E04-LED-E1-SLR-7030
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10165.4 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 97.2
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



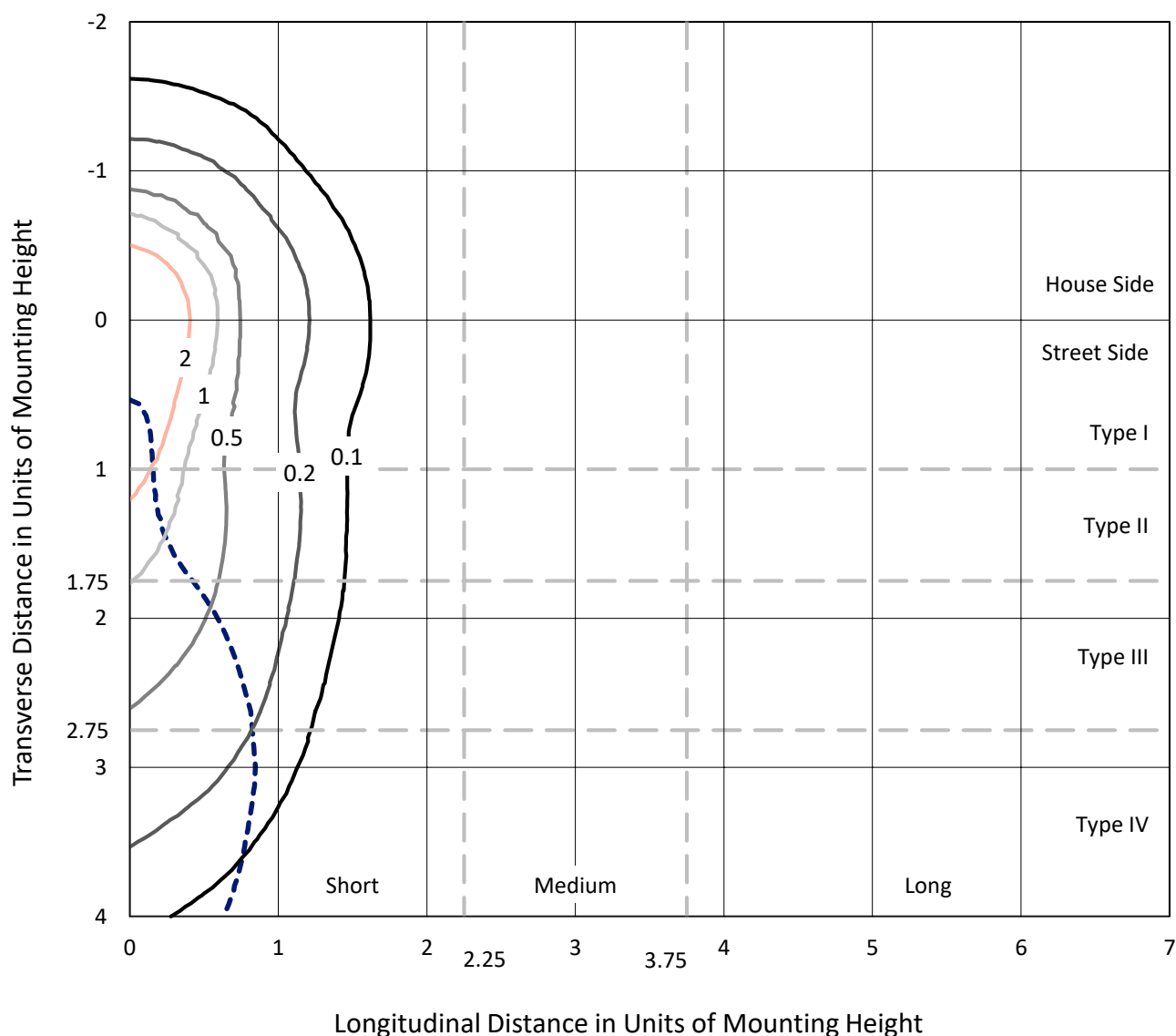
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

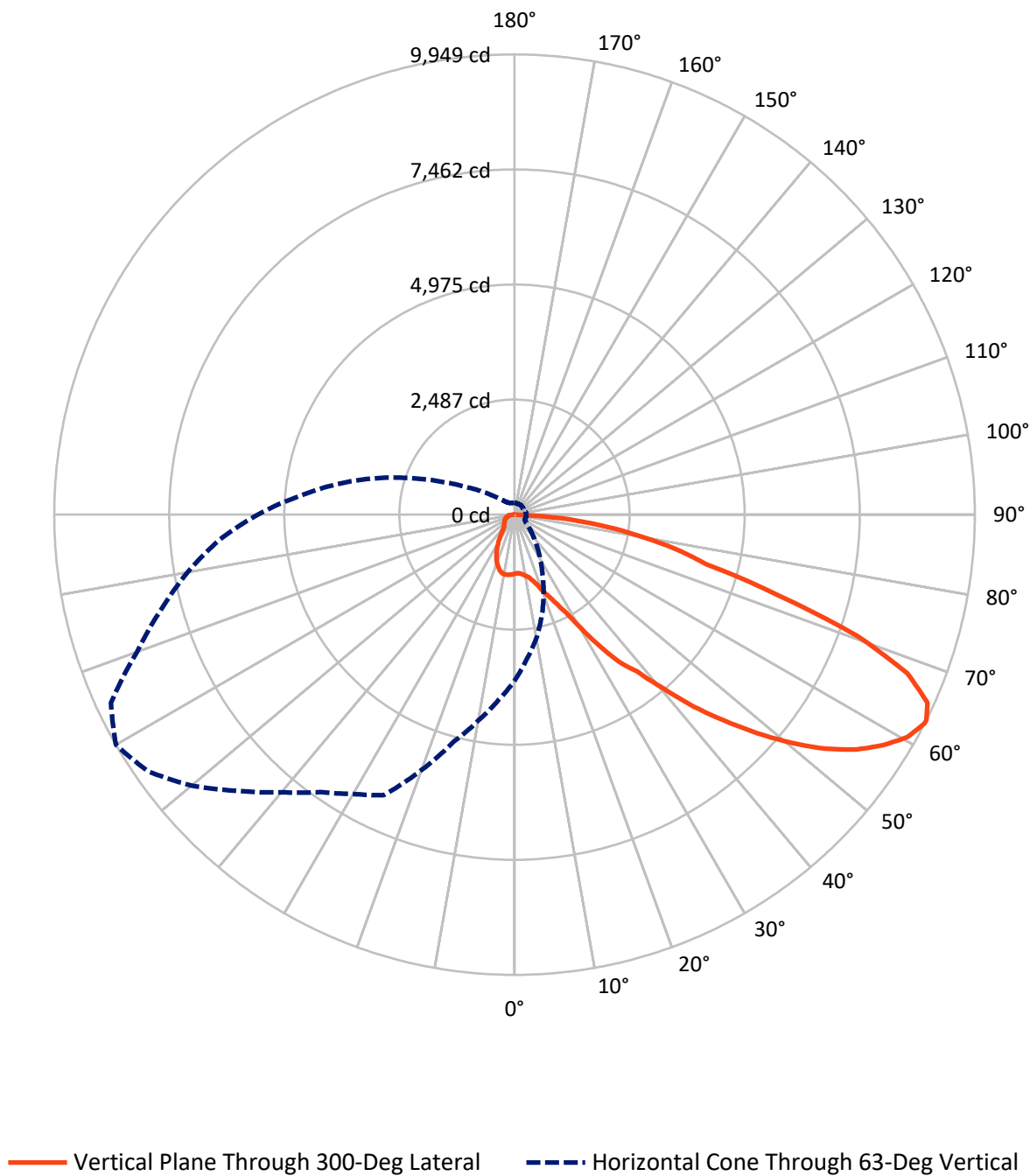


Based on 20 foot mounting height. Maximum calculated value = 4 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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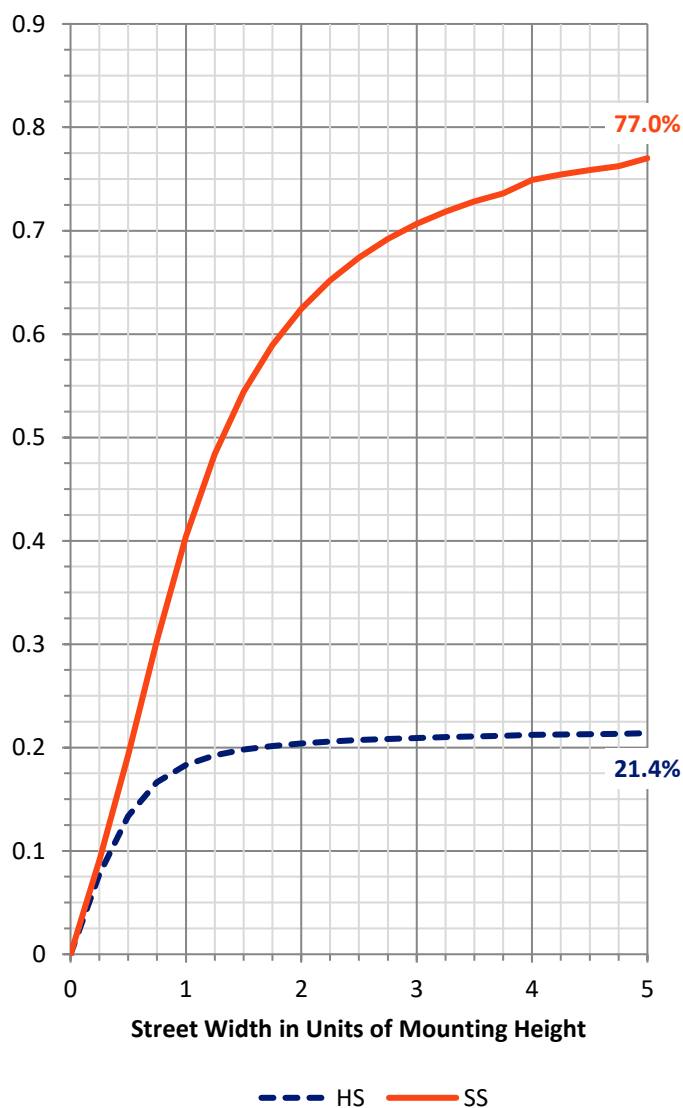
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2204.3	0.0	2204.3
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7961.1	0.0	7961.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	10165.4	0.0	10165.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	1.2
10°-20°	387.3	3.8
20°-30°	688.1	6.8
30°-40°	1083.5	10.7
40°-50°	1594.6	15.7
50°-60°	2118.1	20.8
60°-70°	2333.0	23.0
70°-80°	1463.7	14.4
80°-90°	372.8	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°	10165.4	100.0
0°-180°	10165.4	100.0

Coefficient of Utilization



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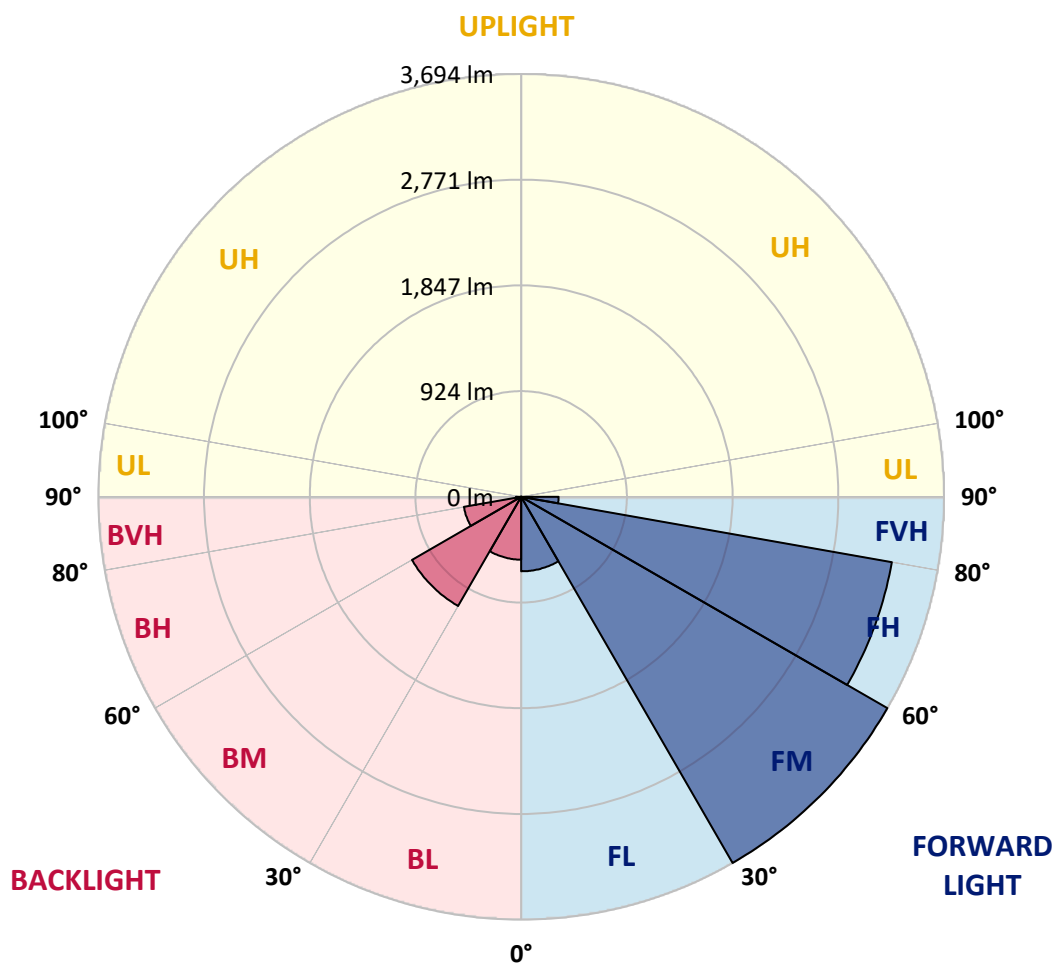
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	650.9	6.4			
FM	(30°-60°)	3694.4	36.3			
FH	(60°-80°)	3288.7	32.4			G2/5000
FVH	(80°-90°)	327.2	3.2			G3/500
BL	(0°-30°)	548.8	5.4	B2/1000		
BM	(30°-60°)	1101.8	10.8	B2/2500		
BH	(60°-80°)	508.1	5.0	B2/1000		G2/1000
BVH	(80°-90°)	45.7	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°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1260.4	1264.0	1262.9	1262.9	1265.3	1264.0	1264.0	1265.3	1265.3	1268.9	1273.8
5°	1250.7	1249.4	1247.0	1249.4	1249.4	1249.4	1244.6	1248.3	1249.4	1251.9	1251.9
7.5°	1262.9	1259.2	1254.3	1255.5	1255.5	1253.2	1249.4	1250.7	1249.4	1249.4	1248.3
10°	1278.7	1270.2	1264.0	1264.0	1264.0	1261.7	1255.5	1259.2	1259.2	1258.0	1259.2
12.5°	1306.7	1297.0	1289.6	1287.3	1287.3	1283.5	1278.7	1283.5	1281.1	1281.1	1278.7
15°	1353.0	1342.0	1333.5	1326.2	1327.4	1327.4	1321.3	1317.6	1312.7	1306.7	1294.5
17.5°	1422.4	1410.3	1399.3	1393.2	1394.4	1385.9	1368.8	1351.7	1328.6	1305.5	1279.9
20°	1521.0	1517.4	1502.8	1496.7	1482.1	1461.3	1413.9	1373.7	1328.6	1284.8	1240.9
22.5°	1691.5	1674.5	1659.9	1636.7	1588.0	1530.8	1451.6	1381.0	1310.4	1248.3	1189.7
25°	1920.5	1890.1	1818.1	1747.6	1647.7	1545.4	1438.2	1346.8	1259.2	1177.6	1105.8
27.5°	2145.8	2053.2	1925.4	1797.5	1651.3	1517.4	1383.4	1275.0	1172.7	1083.8	1004.7
30°	2418.5	2262.7	2066.6	1864.5	1657.4	1477.2	1316.5	1189.7	1071.7	977.9	895.1
32.5°	2674.3	2449.0	2192.0	1926.5	1670.8	1439.5	1239.7	1096.1	974.2	856.1	774.5
35°	2849.6	2557.4	2245.6	1932.6	1637.9	1367.6	1143.5	974.2	852.4	742.9	646.6
37.5°	2954.4	2604.9	2248.1	1888.8	1561.2	1270.2	1021.8	853.7	741.7	636.9	561.5
40°	3020.1	2615.9	2216.4	1825.5	1463.8	1147.2	900.0	748.9	646.6	562.6	504.1
42.5°	3051.8	2598.8	2165.3	1745.1	1365.2	1037.6	814.7	672.2	583.3	523.6	479.8
45°	3056.7	2568.3	2110.5	1672.0	1277.5	958.4	756.3	640.5	567.5	517.6	473.7
47.5°	3056.7	2541.6	2066.6	1618.4	1220.2	924.4	751.4	654.0	582.1	526.1	473.7
50°	3059.1	2533.1	2048.3	1591.7	1200.7	942.6	792.7	695.3	613.8	540.7	472.5
52.5°	3070.1	2543.9	2063.0	1612.3	1236.1	1015.6	870.8	757.5	655.1	557.7	472.5
55°	3094.4	2580.5	2125.1	1684.2	1331.1	1126.4	964.5	824.5	688.1	565.1	465.2
57.5°	3162.6	2673.1	2238.3	1823.0	1493.1	1254.3	1049.7	871.9	700.2	559.0	450.6
60°	3299.1	2857.0	2431.9	2017.9	1664.8	1363.9	1099.7	879.3	689.3	539.5	427.5
62.5°	3517.0	3067.7	2666.9	2229.7	1817.0	1424.9	1105.8	861.0	660.0	504.1	393.4
63°	3592.5	3120.0	2716.9	2269.9	1836.5	1429.7	1100.9	853.7	652.7	494.4	388.5
65°	3803.2	3340.4	2889.8	2411.3	1891.3	1430.9	1074.1	817.1	618.7	456.7	354.4
67.5°	4196.6	3630.3	3107.9	2522.1	1910.8	1391.9	1005.9	748.9	546.8	398.2	311.7
70°	4445.0	3792.2	3191.8	2524.5	1853.5	1281.1	887.8	638.1	455.4	330.1	267.9
72.5°	4380.4	3632.7	2970.3	2296.8	1606.3	1070.5	713.7	501.8	355.6	264.2	222.9
75°	3752.0	3023.8	2423.4	1779.2	1214.2	786.7	522.5	358.0	263.0	207.0	186.3
77.5°	2701.0	2176.2	1737.8	1267.8	818.3	509.0	347.0	255.8	199.7	170.5	153.5
80°	1720.7	1276.3	1063.1	762.4	478.5	315.4	238.7	193.7	164.4	142.5	131.5
82.5°	898.8	629.6	511.5	389.7	265.5	208.3	175.3	158.3	135.1	118.1	112.0
85°	560.2	371.4	275.2	192.4	132.7	119.4	109.6	107.2	96.2	85.3	81.6
87.5°	63.3	57.2	59.7	37.7	28.0	30.5	29.2	39.0	37.7	28.0	29.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1268.9	1271.4	1271.4	1275.0	1275.0	1277.5	1279.9	1279.9	1282.4	1283.5	1286.0
5°	1254.3	1254.3	1254.3	1259.2	1260.4	1267.8	1270.2	1272.6	1275.0	1283.5	1288.4
7.5°	1250.7	1245.8	1248.3	1248.3	1251.9	1258.0	1264.0	1267.8	1271.4	1282.4	1289.6
10°	1258.0	1254.3	1250.7	1250.7	1251.9	1254.3	1259.2	1262.9	1265.3	1276.3	1282.4
12.5°	1277.5	1268.9	1261.7	1255.5	1250.7	1249.4	1247.0	1248.3	1250.7	1256.8	1265.3
15°	1281.1	1265.3	1249.4	1233.7	1221.5	1214.2	1208.1	1205.6	1205.6	1209.3	1219.1
17.5°	1256.8	1229.9	1206.8	1186.1	1172.7	1159.4	1153.3	1148.4	1145.9	1150.8	1152.0
20°	1204.5	1172.7	1141.0	1116.7	1092.3	1088.7	1079.0	1081.5	1083.8	1091.2	1094.8
22.5°	1132.5	1094.8	1055.9	1030.3	1010.8	993.7	982.8	987.7	991.3	998.5	1002.3
25°	1044.9	990.1	948.7	923.1	902.4	887.8	875.6	880.5	875.6	884.1	897.5
27.5°	941.3	876.8	833.0	803.7	789.1	777.0	764.8	764.8	777.0	777.0	787.9
30°	816.0	768.4	711.2	680.7	662.5	655.1	654.0	651.5	660.0	664.9	677.1
32.5°	697.8	639.4	584.6	555.3	539.5	531.0	532.2	533.4	537.1	544.4	563.8
35°	578.4	527.4	488.3	455.4	439.6	423.8	423.8	421.3	425.0	433.6	456.7
37.5°	501.8	456.7	426.2	400.6	384.9	375.1	366.5	362.9	362.9	366.5	375.1
40°	459.1	426.2	398.2	376.3	361.7	353.2	348.3	344.7	342.2	342.2	343.4
42.5°	439.6	405.5	377.5	358.0	347.0	342.2	340.9	339.8	336.1	334.9	333.7
45°	429.8	390.9	359.3	343.4	334.9	332.4	333.7	333.7	332.4	330.1	325.2
47.5°	422.6	377.5	345.9	331.2	327.6	327.6	327.6	327.6	326.3	325.2	321.5
50°	410.4	356.8	322.7	311.7	309.3	309.3	310.6	310.6	313.0	310.6	308.1
52.5°	397.0	337.3	303.2	293.5	292.2	291.1	291.1	291.1	292.2	292.2	291.1
55°	382.4	322.7	293.5	286.2	287.4	286.2	285.0	283.7	283.7	282.5	280.1
57.5°	367.8	310.6	286.2	281.3	282.5	282.5	280.1	277.6	276.5	272.7	270.4
60°	345.9	293.5	271.6	269.1	272.7	272.7	272.7	271.6	271.6	270.4	264.2
62.5°	316.6	269.1	252.1	253.3	254.5	257.0	257.0	257.0	257.0	254.5	248.4
63°	310.6	264.2	248.4	248.4	252.1	252.1	253.3	252.1	253.3	250.9	243.5
65°	286.2	248.4	236.3	237.5	239.9	239.9	239.9	238.7	238.7	235.0	231.4
67.5°	258.1	228.9	221.7	222.9	224.0	226.5	225.3	225.3	226.5	224.0	220.4
70°	226.5	208.3	203.4	204.6	205.8	205.8	204.6	204.6	205.8	203.4	199.7
72.5°	202.2	194.8	191.2	191.2	188.8	188.8	186.3	185.1	183.9	183.9	180.2
75°	170.5	169.2	170.5	173.0	170.5	168.1	166.8	163.2	160.7	160.7	159.5
77.5°	146.1	146.1	148.6	152.2	153.5	153.5	149.7	143.7	142.5	142.5	142.5
80°	126.6	124.2	124.2	127.9	131.5	130.3	124.2	118.1	118.1	124.2	125.4
82.5°	110.8	110.8	107.2	108.4	107.2	105.9	99.9	96.2	95.0	99.9	104.8
85°	87.7	88.9	87.7	86.4	85.3	81.6	76.7	73.1	71.8	76.7	84.0
87.5°	35.3	34.1	32.8	34.1	32.8	35.3	34.1	31.7	30.5	34.1	41.5
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°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1287.3	1289.6	1292.1	1292.1	1294.5	1293.3	1294.5	1295.8	1295.8	1297.0	1297.0
5°	1294.5	1298.1	1303.0	1307.9	1309.1	1312.7	1316.5	1314.0	1317.6	1322.5	1322.5
7.5°	1297.0	1305.5	1309.1	1316.5	1317.6	1322.5	1331.1	1325.0	1332.2	1336.0	1337.1
10°	1293.3	1301.9	1307.9	1316.5	1320.1	1328.6	1337.1	1334.7	1343.2	1349.3	1350.6
12.5°	1271.4	1279.9	1293.3	1305.5	1315.2	1328.6	1344.5	1339.6	1351.7	1359.1	1362.7
15°	1228.8	1237.3	1251.9	1271.4	1289.6	1310.4	1331.1	1334.7	1346.8	1355.4	1359.1
17.5°	1161.8	1172.7	1188.6	1209.3	1232.4	1267.8	1294.5	1307.9	1325.0	1329.8	1336.0
20°	1099.7	1110.7	1120.4	1132.5	1149.6	1183.7	1219.1	1245.8	1267.8	1286.0	1290.9
22.5°	1016.9	1026.6	1038.8	1048.5	1060.7	1085.1	1114.3	1144.8	1178.9	1189.7	1202.0
25°	917.0	923.1	940.1	946.2	954.7	975.4	998.5	1020.5	1053.4	1076.6	1082.6
27.5°	809.8	816.0	831.7	835.4	846.3	865.9	882.9	891.4	921.9	946.2	965.7
30°	685.6	701.5	720.9	723.4	735.5	747.8	763.5	772.1	800.1	825.7	850.1
32.5°	578.4	594.3	610.2	619.9	625.9	635.6	651.5	660.0	686.8	709.9	734.3
35°	468.8	488.3	505.4	518.8	523.6	535.9	548.0	556.6	584.6	605.3	622.3
37.5°	386.0	400.6	419.0	432.3	445.7	454.2	468.8	481.0	498.0	509.0	527.4
40°	345.9	353.2	362.9	373.9	384.9	394.6	405.5	415.2	426.2	440.8	453.1
42.5°	332.4	333.7	333.7	337.3	343.4	348.3	358.0	365.4	372.6	383.6	389.7
45°	322.7	321.5	319.1	316.6	317.8	320.3	326.3	331.2	339.8	344.7	345.9
47.5°	317.8	313.0	308.1	304.5	303.2	304.5	309.3	314.2	319.1	322.7	323.9
50°	302.0	298.3	291.1	286.2	283.7	286.2	292.2	294.7	299.6	303.2	304.5
52.5°	286.2	281.3	276.5	271.6	271.6	272.7	277.6	282.5	287.4	288.6	291.1
55°	276.5	269.1	264.2	260.6	258.1	261.9	265.5	271.6	277.6	278.9	281.3
57.5°	266.7	259.4	254.5	250.9	248.4	252.1	255.8	264.2	271.6	271.6	271.6
60°	260.6	254.5	247.3	243.5	239.9	243.5	248.4	257.0	264.2	263.0	261.9
62.5°	243.5	237.5	233.8	233.8	230.2	236.3	241.1	250.9	252.1	249.6	247.3
63°	238.7	233.8	231.4	231.4	228.9	235.0	239.9	248.4	248.4	246.0	243.5
65°	226.5	222.9	220.4	222.9	222.9	228.9	230.2	236.3	235.0	231.4	230.2
67.5°	216.8	214.3	211.9	211.9	211.9	213.2	214.3	216.8	215.5	214.3	215.5
70°	200.9	199.7	197.3	197.3	196.1	196.1	196.1	197.3	197.3	198.5	199.7
72.5°	181.5	179.1	179.1	180.2	177.8	179.1	180.2	179.1	181.5	181.5	182.7
75°	159.5	158.3	160.7	163.2	162.0	162.0	163.2	163.2	164.4	164.4	165.6
77.5°	142.5	143.7	144.9	147.4	148.6	148.6	148.6	147.4	148.6	148.6	149.7
80°	126.6	129.1	131.5	134.0	135.1	135.1	135.1	134.0	134.0	134.0	134.0
82.5°	114.5	118.1	120.5	121.8	121.8	121.8	121.8	121.8	121.8	119.4	116.9
85°	96.2	103.5	103.5	104.8	101.0	98.7	96.2	97.4	98.7	93.8	92.5
87.5°	48.7	48.7	51.2	53.6	54.8	54.8	62.1	58.4	57.2	56.1	53.6
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-E04-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1298.1	1297.0	1299.4	1297.0	1298.1	1299.4	1297.0	1300.6	1303.0	1299.4	1295.8
5°	1325.0	1325.0	1331.1	1333.5	1334.7	1342.0	1338.3	1340.8	1343.2	1342.0	1343.2
7.5°	1342.0	1346.8	1353.0	1359.1	1360.3	1366.3	1365.2	1368.8	1371.2	1377.3	1377.3
10°	1356.6	1362.7	1371.2	1377.3	1383.4	1388.3	1390.8	1398.0	1399.3	1404.1	1404.1
12.5°	1370.1	1377.3	1385.9	1395.6	1401.7	1411.4	1412.6	1423.6	1427.3	1428.5	1424.9
15°	1367.6	1376.2	1385.9	1396.8	1407.8	1420.0	1427.3	1438.2	1444.4	1446.7	1440.6
17.5°	1344.5	1351.7	1363.9	1378.5	1391.9	1407.8	1421.1	1437.0	1446.7	1449.2	1448.0
20°	1299.4	1304.2	1320.1	1339.6	1355.4	1379.8	1399.3	1423.6	1439.5	1451.6	1455.2
22.5°	1210.5	1222.7	1238.5	1260.4	1283.5	1314.0	1342.0	1377.3	1411.4	1440.6	1469.8
25°	1103.3	1125.3	1149.6	1178.9	1206.8	1238.5	1270.2	1310.4	1360.3	1421.1	1490.6
27.5°	994.9	1032.7	1063.1	1100.9	1133.8	1165.4	1200.7	1244.6	1299.4	1372.4	1461.3
30°	885.4	928.0	960.8	1004.7	1048.5	1091.2	1126.4	1172.7	1226.3	1300.6	1398.0
32.5°	768.4	811.1	850.1	890.3	939.0	990.1	1032.7	1089.9	1147.2	1223.9	1322.5
35°	647.9	685.6	718.5	761.1	814.7	869.5	925.5	991.3	1053.4	1133.8	1238.5
37.5°	543.1	569.9	601.6	639.4	680.7	739.2	802.5	880.5	951.1	1038.8	1145.9
40°	456.7	471.3	489.5	521.2	559.0	616.2	678.3	761.1	846.3	942.6	1046.1
42.5°	389.7	397.0	401.9	422.6	453.1	509.0	568.7	649.1	742.9	847.6	952.3
45°	345.9	349.5	350.8	361.7	383.6	432.3	494.4	562.6	652.7	755.0	864.7
47.5°	325.2	328.8	331.2	333.7	347.0	384.9	440.8	505.4	588.2	682.0	794.0
50°	308.1	311.7	315.4	314.2	320.3	344.7	392.1	451.8	529.7	616.2	727.0
52.5°	291.1	293.5	293.5	293.5	297.1	313.0	347.0	401.9	473.7	555.3	664.9
55°	281.3	283.7	285.0	286.2	287.4	296.0	321.5	365.4	427.5	502.9	601.6
57.5°	271.6	272.7	275.2	276.5	278.9	283.7	299.6	331.2	383.6	446.9	529.7
60°	263.0	265.5	270.4	271.6	274.0	275.2	282.5	302.0	336.1	384.9	451.8
62.5°	249.6	253.3	258.1	259.4	261.9	263.0	264.2	275.2	291.1	320.3	370.3
63°	246.0	249.6	255.8	257.0	258.1	258.1	259.4	266.7	281.3	306.8	343.4
65°	232.6	237.5	241.1	242.4	243.5	243.5	242.4	244.8	246.0	257.0	278.9
67.5°	218.0	221.7	224.0	225.3	224.0	225.3	224.0	221.7	219.2	221.7	231.4
70°	203.4	205.8	205.8	207.0	208.3	209.4	207.0	204.6	202.2	200.9	207.0
72.5°	186.3	188.8	188.8	189.9	189.9	192.4	192.4	191.2	191.2	192.4	193.7
75°	169.2	171.7	170.5	173.0	173.0	176.6	176.6	177.8	180.2	179.1	177.8
77.5°	153.5	154.6	154.6	155.9	157.1	163.2	166.8	168.1	168.1	165.6	163.2
80°	136.4	136.4	134.0	132.7	134.0	140.0	147.4	148.6	152.2	151.0	152.2
82.5°	114.5	109.6	105.9	105.9	108.4	112.0	114.5	116.9	119.4	119.4	121.8
85°	87.7	82.8	79.2	80.4	84.0	85.3	84.0	84.0	88.9	92.5	88.9
87.5°	52.3	47.5	45.1	41.5	42.6	46.3	45.1	41.5	42.6	34.1	31.7
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: VXS-E04-LED-E1-SLR-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
2.5°	1298.1	1297.0	1294.5	1290.9	1289.6	1287.3	1288.4	1284.8	1282.4	1279.9	1276.3
5°	1343.2	1343.2	1336.0	1336.0	1332.2	1331.1	1322.5	1318.9	1311.6	1314.0	1305.5
7.5°	1374.9	1378.5	1370.1	1368.8	1363.9	1362.7	1351.7	1348.1	1342.0	1339.6	1332.2
10°	1398.0	1398.0	1387.0	1378.5	1372.4	1366.3	1355.4	1350.6	1345.7	1346.8	1342.0
12.5°	1416.3	1407.8	1391.9	1379.8	1371.2	1365.2	1356.6	1353.0	1351.7	1360.3	1361.5
15°	1430.9	1418.8	1399.3	1390.8	1383.4	1382.2	1382.2	1385.9	1394.4	1410.3	1422.4
17.5°	1439.5	1432.1	1422.4	1420.0	1432.1	1439.5	1449.2	1460.1	1472.3	1494.2	1507.7
20°	1455.2	1460.1	1467.5	1477.2	1496.7	1514.9	1527.2	1542.9	1557.6	1584.4	1606.3
22.5°	1496.7	1524.7	1547.9	1567.4	1596.6	1622.1	1637.9	1659.9	1670.8	1689.1	1723.2
25°	1550.3	1607.5	1656.2	1697.6	1742.7	1769.4	1791.4	1819.4	1836.5	1866.8	1897.3
27.5°	1534.4	1616.1	1689.1	1765.8	1827.9	1897.3	1946.0	1992.3	2021.6	2066.6	2106.8
30°	1485.7	1583.1	1681.8	1782.9	1881.5	1981.3	2073.9	2157.9	2222.5	2287.0	2352.7
32.5°	1420.0	1532.0	1652.5	1776.8	1905.9	2044.7	2172.5	2299.2	2406.4	2500.1	2591.5
35°	1344.5	1471.1	1596.6	1749.9	1909.5	2086.1	2263.9	2439.3	2602.5	2768.1	2880.1
37.5°	1254.3	1383.4	1523.4	1700.0	1887.6	2105.6	2332.1	2561.0	2792.4	3015.2	3208.9
40°	1158.1	1289.6	1437.0	1628.2	1840.1	2093.4	2376.0	2684.0	3001.9	3324.6	3581.6
42.5°	1072.8	1208.1	1368.8	1562.5	1792.6	2077.6	2411.3	2789.9	3178.4	3577.9	3955.4
45°	990.1	1138.7	1307.9	1516.2	1771.9	2089.7	2463.6	2888.6	3336.8	3821.5	4281.8
47.5°	915.8	1066.8	1231.2	1459.0	1741.5	2095.9	2514.7	2987.3	3486.5	4011.4	4558.2
50°	848.8	994.9	1156.9	1385.9	1694.0	2092.2	2561.0	3076.2	3615.6	4161.2	4771.3
52.5°	783.0	931.6	1097.2	1315.2	1635.5	2071.5	2583.0	3149.2	3735.0	4312.2	4943.0
55°	718.5	864.7	1031.5	1248.3	1558.8	2017.9	2580.5	3196.7	3829.9	4454.7	5108.7
57.5°	643.0	781.9	945.0	1174.0	1477.2	1935.1	2543.9	3218.7	3911.6	4596.0	5307.2
60°	549.2	679.5	836.6	1065.6	1370.1	1829.1	2467.3	3206.4	3959.1	4700.7	5476.5
62.5°	433.6	546.8	690.5	914.6	1236.1	1676.9	2323.5	3095.6	3883.5	4686.1	5555.6
63°	409.2	516.4	656.4	878.0	1178.9	1635.5	2280.9	3051.8	3847.0	4655.6	5544.7
65°	328.8	398.2	510.3	708.8	986.4	1432.1	2069.0	2826.5	3651.0	4441.3	5386.3
67.5°	252.1	287.4	347.0	485.9	697.8	1126.4	1675.6	2395.4	3168.7	3911.6	4876.1
70°	215.5	231.4	257.0	322.7	443.3	711.2	1176.4	1786.5	2456.3	3100.5	3967.6
72.5°	196.1	203.4	216.8	244.8	304.5	426.2	750.2	1163.0	1670.8	2210.3	2880.1
75°	180.2	186.3	197.3	211.9	233.8	283.7	427.5	711.2	1086.3	1451.6	1943.6
77.5°	164.4	168.1	180.2	193.7	208.3	233.8	282.5	409.2	624.8	856.1	1171.5
80°	151.0	148.6	157.1	179.1	193.7	208.3	222.9	265.5	355.6	468.8	633.3
82.5°	120.5	123.0	130.3	152.2	158.3	154.6	157.1	164.4	198.5	216.8	323.9
85°	81.6	75.5	74.3	76.7	76.7	73.1	73.1	71.8	79.2	90.2	154.6
87.5°	22.0	11.0	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°	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	0°
2.5°	1273.8	1272.6	1273.8	1267.8	1267.8	1266.5	1265.3	1262.9	1262.9	1258.0	1261.7	2.5°
5°	1298.1	1295.8	1290.9	1283.5	1279.9	1275.0	1275.0	1270.2	1266.5	1261.7	1262.9	5°
7.5°	1326.2	1327.4	1318.9	1312.7	1310.4	1305.5	1306.7	1299.4	1300.6	1297.0	1294.5	7.5°
10°	1342.0	1342.0	1344.5	1343.2	1345.7	1345.7	1349.3	1344.5	1342.0	1338.3	1338.3	10°
12.5°	1367.6	1372.4	1382.2	1382.2	1389.5	1391.9	1393.2	1395.6	1390.8	1388.3	1379.8	12.5°
15°	1430.9	1443.1	1451.6	1463.8	1478.4	1483.3	1483.3	1478.4	1476.0	1472.3	1456.5	15°
17.5°	1535.6	1562.5	1569.7	1589.2	1591.7	1597.7	1614.8	1605.1	1599.0	1573.4	1568.5	17.5°
20°	1642.8	1676.9	1711.0	1735.3	1747.6	1771.9	1775.5	1770.7	1746.3	1722.0	1711.0	20°
22.5°	1771.9	1823.0	1862.0	1899.8	1918.0	1930.3	1957.0	1950.9	1931.4	1894.9	1880.3	22.5°
25°	1954.6	2017.9	2059.3	2105.6	2129.9	2142.1	2168.9	2168.9	2148.2	2137.2	2136.1	25°
27.5°	2184.8	2262.7	2330.9	2346.7	2410.1	2424.7	2450.3	2450.3	2430.8	2417.3	2481.9	27.5°
30°	2440.5	2522.1	2640.2	2719.4	2796.1	2871.6	2870.4	2875.2	2898.3	2910.6	2938.5	30°
32.5°	2696.2	2797.3	2922.7	3094.4	3258.9	3398.9	3580.3	3696.1	3660.7	3562.1	3523.1	32.5°
35°	3006.7	3118.8	3271.0	3443.9	3744.8	3926.2	4013.9	4076.0	4083.3	4096.7	4124.7	35°
37.5°	3352.6	3540.1	3716.7	3912.7	4079.6	4300.1	4503.4	4666.6	4704.4	4781.0	4737.2	37.5°
40°	3789.8	3999.3	4184.4	4437.6	4661.8	4927.3	5218.2	5442.4	5532.4	5503.2	5284.0	40°
42.5°	4247.7	4507.0	4723.8	5022.2	5313.3	5664.0	5964.8	6277.7	6333.8	6108.5	5780.9	42.5°
45°	4669.0	4990.6	5259.7	5570.3	5925.8	6345.9	6747.9	7069.3	7058.3	6672.3	6233.9	45°
47.5°	5047.8	5442.4	5771.2	6175.4	6557.8	7058.3	7519.9	7757.4	7617.3	7160.6	6623.6	47.5°
50°	5360.7	5852.7	6258.2	6667.5	7153.4	7756.2	8200.6	8334.6	8064.2	7567.5	7002.4	50°
52.5°	5612.8	6230.3	6685.7	7157.0	7770.8	8405.3	8787.7	8737.7	8388.2	7877.9	7315.3	52.5°
55°	5825.9	6518.9	7062.1	7618.5	8379.7	8964.2	9218.8	9084.8	8596.5	8078.9	7529.6	55°
57.5°	6046.4	6799.0	7407.9	8053.3	8900.9	9402.6	9543.9	9268.7	8695.1	8155.6	7622.2	57.5°
60°	6266.8	7032.7	7713.6	8433.3	9295.4	9760.6	9721.7	9310.1	8665.9	8099.6	7560.1	60°
62.5°	6415.3	7171.6	7891.3	8667.0	9591.4	9943.3	9704.7	9162.7	8496.6	7879.2	7375.0	62.5°
63°	6419.1	7176.5	7902.3	8682.9	9624.2	9949.4	9671.8	9110.4	8443.0	7834.1	7320.2	63°
65°	6342.3	7085.2	7804.9	8611.1	9596.3	9809.4	9388.0	8801.0	8137.3	7522.4	7035.2	65°
67.5°	5950.2	6707.7	7343.3	8103.2	9094.5	9155.4	8628.1	8154.4	7557.7	6920.7	6411.7	67.5°
70°	5159.8	5789.4	6413.0	7047.5	7879.2	7868.2	7372.5	7131.4	6609.0	5883.2	5475.2	70°
72.5°	4103.9	4669.0	5107.5	5532.4	6080.5	5969.6	5650.6	5717.6	5379.1	4837.1	4594.7	72.5°
75°	3046.9	3668.0	3882.4	4055.2	4286.6	4287.9	4375.5	4565.5	4560.6	4259.9	3954.2	75°
77.5°	1998.4	2677.9	2749.8	2888.6	3166.3	3543.8	3933.5	4352.4	4457.1	4219.7	3767.9	77.5°
80°	1114.3	1820.6	1737.8	1857.1	2156.7	2669.4	3244.2	3706.9	3979.8	3847.0	3368.4	80°
82.5°	569.9	1049.7	1003.4	1169.1	1411.4	1857.1	2237.1	2592.7	2914.2	2896.0	2714.5	82.5°
85°	296.0	574.8	654.0	740.4	862.2	1021.8	1165.4	1268.9	1402.9	1639.2	1719.6	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	87.7	63.3	174.2	248.4	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°
1277.5	1277.5	1277.5	1277.5	1277.5	1277.5	1277.5
1262.9	1264.0	1261.7	1261.7	1262.9	1262.9	1260.4
1260.4	1260.4	1258.0	1255.5	1253.2	1253.2	1250.7
1288.4	1288.4	1279.9	1276.3	1270.2	1265.3	1262.9
1329.8	1322.5	1312.7	1305.5	1295.8	1284.8	1278.7
1371.2	1360.3	1348.1	1337.1	1325.0	1312.7	1306.7
1439.5	1424.9	1409.0	1395.6	1378.5	1360.3	1353.0
1544.1	1521.0	1500.3	1480.8	1450.4	1437.0	1422.4
1683.0	1648.9	1622.1	1589.2	1551.5	1539.3	1521.0
1851.1	1821.9	1768.3	1743.9	1706.1	1687.9	1691.5
2106.8	2069.0	2006.9	1983.8	1980.1	1940.0	1920.5
2440.5	2442.9	2385.7	2323.5	2289.4	2226.1	2145.8
2915.4	2882.5	2815.5	2752.2	2671.8	2552.5	2418.5
3490.3	3417.1	3306.3	3188.2	3045.7	2861.9	2674.3
4051.6	3923.7	3747.2	3549.8	3344.0	3115.1	2849.6
4544.9	4346.3	4082.1	3855.5	3564.5	3278.3	2954.4
4995.4	4749.4	4408.4	4114.9	3771.5	3403.7	3020.1
5431.4	5119.6	4702.0	4305.0	3916.5	3487.8	3051.8
5846.6	5444.8	4949.1	4476.7	4022.4	3542.6	3056.7
6165.7	5727.4	5170.8	4600.8	4095.4	3583.9	3056.7
6461.7	5966.0	5340.1	4698.2	4163.6	3612.0	3059.1
6691.8	6134.1	5449.6	4767.7	4217.2	3632.7	3070.1
6858.7	6243.6	5522.7	4810.4	4256.2	3662.0	3094.4
6975.5	6315.5	5562.9	4848.1	4303.7	3713.1	3162.6
7031.6	6448.3	5629.8	4923.5	4385.3	3821.5	3299.1
6988.9	6654.1	5821.0	5051.4	4498.5	3990.8	3517.0
6970.7	6691.8	5873.5	5079.5	4524.1	4027.3	3592.5
6828.2	6729.5	6089.0	5220.7	4645.9	4189.2	3803.2
6386.1	6581.0	6270.5	5459.4	4907.8	4582.6	4196.6
5813.8	6360.6	6237.6	5489.8	5074.6	4905.3	4445.0
5128.2	5694.4	5580.0	5084.4	4890.7	4908.9	4380.4
4035.8	4460.8	4385.3	4211.2	4250.2	4384.0	3752.0
3233.3	3176.1	3001.9	3014.1	3239.4	3396.5	2701.0
2641.5	2138.4	1911.9	1918.0	2311.4	2474.6	1720.7
2513.6	2022.8	1647.7	1439.5	1681.8	1619.7	898.8
1790.2	1793.8	1488.2	1209.3	1171.5	996.2	560.2
423.8	339.8	242.4	180.2	189.9	125.4	63.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)