

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: STREETWORKS

Report Number: P158871

Luminaire Tested: **VST-E03-LED-E-U-SLL-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158871
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E03-LED-E-U-SLL-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8272.3 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2
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: 28.75 FT



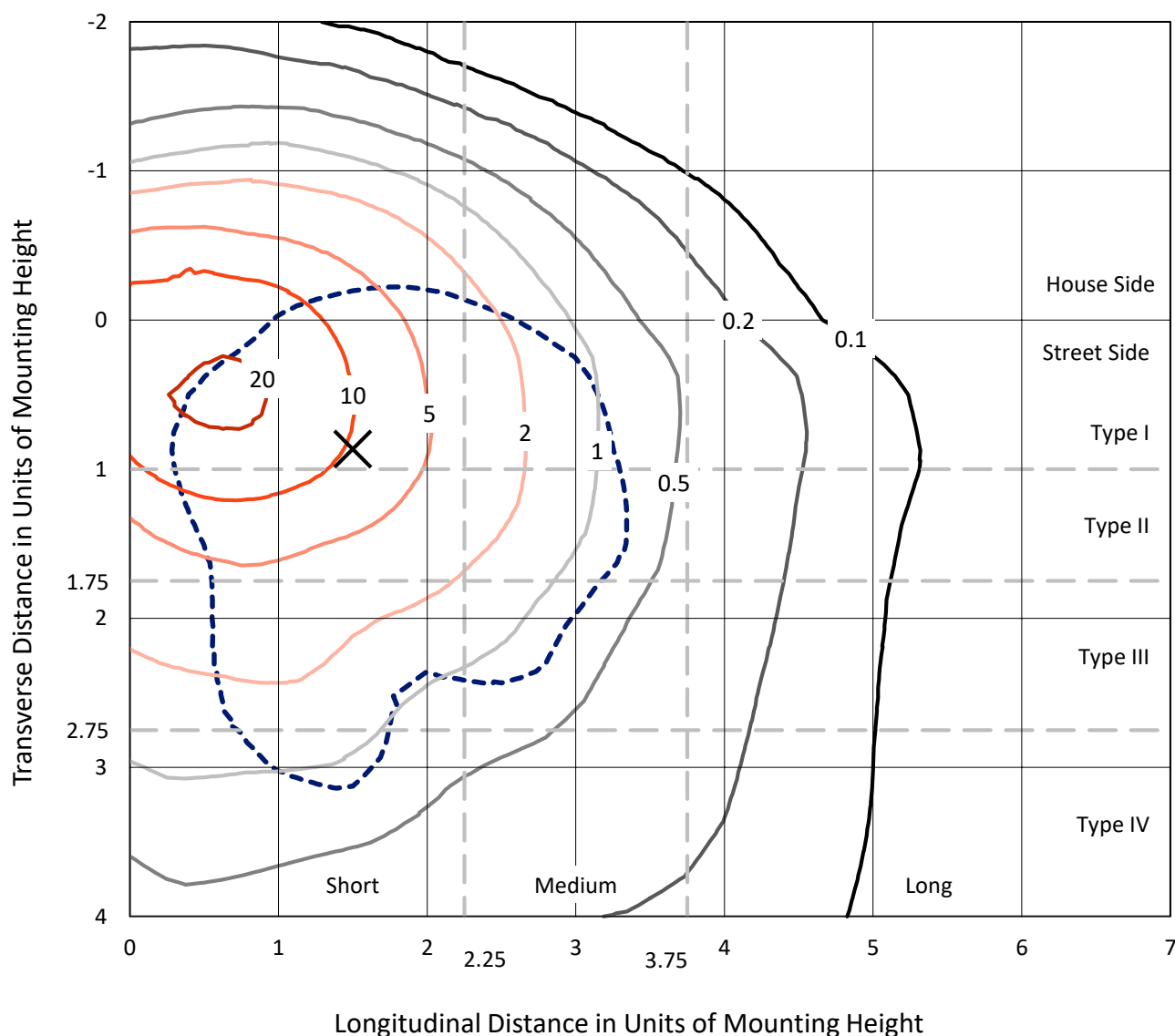
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

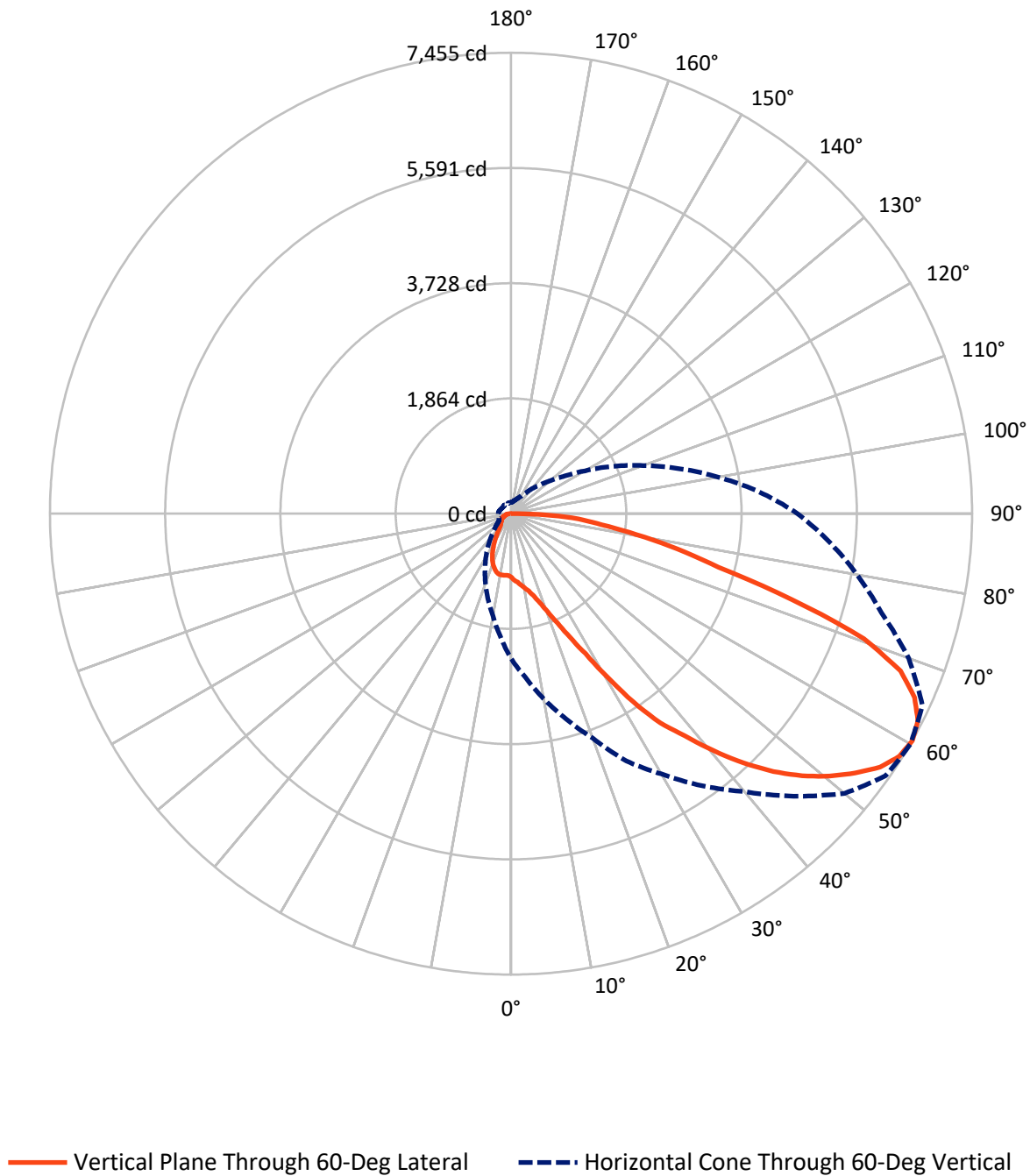


Based on 10 foot mounting height. Maximum calculated value = 23.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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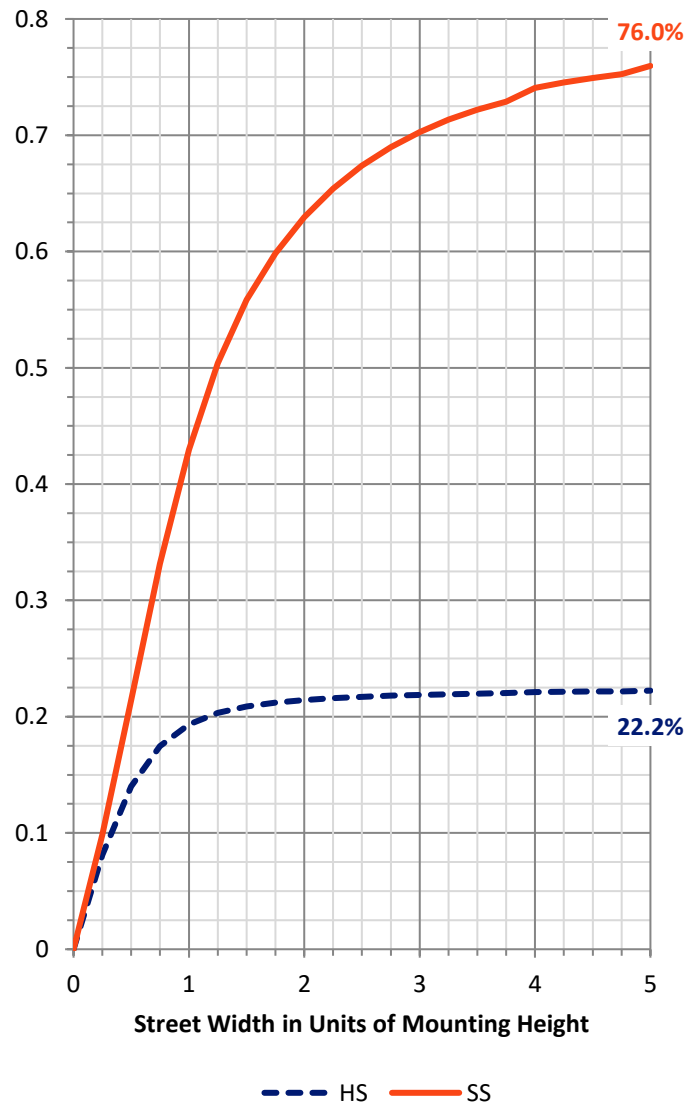
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1862.7	0.0	1862.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	6409.6	0.0	6409.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	8272.3	0.0	8272.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	1.2
10°-20°	327.7	4.0
20°-30°	621.9	7.5
30°-40°	979.3	11.8
40°-50°	1366.9	16.5
50°-60°	1690.5	20.4
60°-70°	1752.3	21.2
70°-80°	1102.6	13.3
80°-90°	329.6	4.0
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°	8272.3	100.0
0°-180°	8272.3	100.0

Coefficient of Utilization



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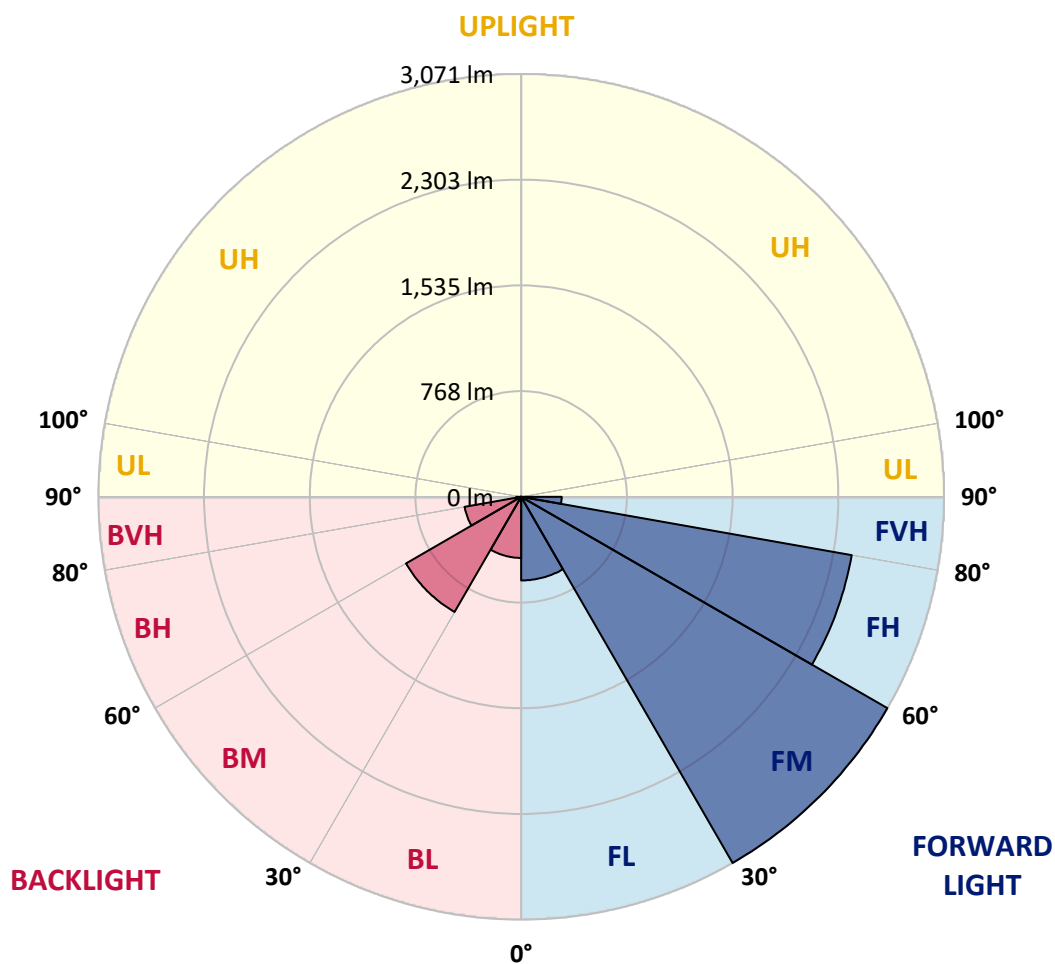
CATALOG NUMBER: VST-E03-LED-E-U-SLL-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.3	7.3			
FM	(30°-60°)	3070.8	37.1			
FH	(60°-80°)	2437.8	29.5			G2/5000
FVH	(80°-90°)	293.7	3.6			G3/500
BL	(0°-30°)	443.8	5.4	B1/500		
BM	(30°-60°)	965.9	11.7	B1/1000		
BH	(60°-80°)	417.2	5.0	B1/500		G1/500
BVH	(80°-90°)	35.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8
2.5°	1089.7	1088.5	1088.5	1088.5	1087.9	1086.7	1088.5	1087.9	1084.8	1082.9	1084.8
5°	1103.9	1104.5	1106.3	1106.9	1106.9	1108.8	1113.7	1114.4	1113.7	1115.0	1118.0
7.5°	1117.4	1120.5	1122.4	1125.4	1129.1	1132.2	1140.8	1149.4	1155.0	1159.3	1160.5
10°	1139.6	1144.5	1150.1	1158.1	1166.7	1182.1	1189.4	1198.1	1203.6	1212.2	1214.1
12.5°	1196.2	1202.4	1206.1	1218.4	1229.5	1244.3	1254.7	1257.2	1270.1	1277.5	1286.1
15°	1291.7	1300.9	1313.8	1321.2	1333.5	1346.5	1355.7	1368.0	1369.9	1379.7	1386.5
17.5°	1408.6	1421.6	1448.0	1465.9	1481.9	1494.8	1513.3	1527.5	1530.5	1541.6	1527.5
20°	1572.4	1603.8	1608.1	1643.8	1658.0	1683.8	1720.8	1727.6	1745.4	1727.6	1717.1
22.5°	1794.1	1843.3	1856.8	1891.3	1908.5	1948.0	1959.1	1995.4	2007.7	1994.2	1965.8
25°	2048.9	2125.3	2164.7	2217.6	2226.2	2306.9	2315.5	2358.0	2335.2	2302.6	2303.2
27.5°	2236.7	2366.6	2468.2	2558.7	2622.1	2713.2	2784.0	2803.7	2782.2	2739.7	2724.9
30°	2343.8	2491.0	2636.9	2761.9	2909.6	3048.8	3193.4	3265.5	3277.8	3299.9	3210.7
32.5°	2412.8	2601.8	2775.4	2929.9	3081.4	3260.6	3454.5	3639.8	3795.5	3913.1	3857.8
35°	2470.7	2704.0	2926.3	3113.4	3292.6	3487.7	3683.5	3902.1	4160.0	4310.9	4342.3
37.5°	2494.1	2779.1	3051.2	3291.4	3543.1	3763.0	3957.5	4152.1	4422.9	4691.9	4775.1
40°	2489.8	2816.0	3125.7	3427.4	3735.8	4010.5	4238.2	4468.5	4785.5	5100.2	5235.6
42.5°	2460.8	2821.6	3173.1	3517.9	3869.5	4234.6	4525.7	4791.1	5095.2	5498.5	5690.0
45°	2424.5	2802.5	3183.0	3564.1	3968.6	4390.9	4759.1	5087.2	5443.7	5842.0	6073.5
47.5°	2375.2	2772.4	3170.6	3580.1	4012.9	4491.2	4924.1	5318.7	5710.9	6169.6	6463.3
50°	2321.6	2729.2	3145.4	3568.4	4024.0	4546.1	5018.3	5467.7	5925.8	6420.8	6792.0
52.5°	2284.1	2683.1	3122.6	3544.4	4012.9	4562.7	5052.7	5547.7	6057.5	6569.1	7012.4
55°	2237.9	2621.5	3061.7	3488.3	3972.2	4553.5	5049.1	5575.4	6093.8	6626.4	7132.4
57.5°	2241.0	2593.2	3010.0	3421.3	3889.1	4467.8	4979.5	5547.7	6036.6	6589.4	7136.8
60°	2338.3	2654.1	3037.1	3434.8	3864.5	4413.7	4861.3	5369.2	5868.5	6462.0	7037.0
62.5°	2539.0	2828.3	3176.2	3570.2	4003.0	4522.0	4807.7	5072.5	5515.7	6227.5	6867.1
65°	2778.5	3039.5	3341.2	3716.2	4201.3	4698.1	4777.6	4831.1	5055.2	5771.2	6548.2
67.5°	3018.0	3251.3	3488.3	3799.3	4313.9	4748.6	4654.4	4527.0	4647.7	5241.1	5921.5
70°	3104.2	3413.9	3569.6	3783.2	4228.4	4631.0	4455.5	4134.8	4176.7	4716.0	5213.5
72.5°	2974.9	3416.3	3468.1	3547.4	3847.3	4225.9	4040.6	3628.1	3619.5	4031.3	4433.4
75°	2495.3	3116.5	3115.9	3086.3	3154.0	3369.5	3273.5	3024.8	3130.0	3454.5	3586.9
77.5°	1778.6	2431.9	2462.6	2263.8	2258.9	2356.1	2414.0	2703.4	3085.1	3267.3	3225.5
80°	1117.4	1640.8	1773.1	1527.5	1475.1	1613.0	1970.8	2391.8	2861.6	3025.4	2884.4
82.5°	672.9	1057.1	1339.1	1199.9	1187.6	1438.8	1834.1	1997.8	2138.8	2313.1	2077.3
85°	456.8	704.3	916.1	943.8	1051.6	1311.4	1483.1	1410.5	1414.2	1368.6	1246.7
87.5°	87.4	192.1	314.0	382.9	424.8	570.7	620.6	562.1	593.5	434.0	474.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8
2.5°	1081.7	1081.7	1081.7	1078.6	1079.3	1075.0	1073.1	1073.1	1071.2	1071.2	1070.6
5°	1115.6	1111.9	1113.7	1113.1	1113.1	1106.9	1103.9	1103.9	1095.9	1096.5	1094.0
7.5°	1166.0	1165.4	1167.3	1163.6	1158.7	1153.7	1148.8	1146.4	1135.3	1128.5	1124.2
10°	1223.3	1222.7	1224.5	1223.9	1215.3	1206.1	1192.6	1182.7	1169.2	1158.7	1148.2
12.5°	1286.1	1285.5	1284.3	1278.7	1269.5	1254.7	1237.5	1220.9	1200.5	1187.0	1171.6
15°	1384.0	1382.2	1374.8	1366.8	1356.9	1334.2	1304.0	1280.0	1252.9	1229.5	1204.3
17.5°	1528.7	1513.3	1512.1	1494.2	1467.7	1437.6	1409.3	1369.3	1330.4	1295.3	1260.9
20°	1728.2	1692.5	1682.6	1662.3	1627.2	1595.8	1534.3	1480.7	1427.7	1379.7	1336.0
22.5°	1945.5	1919.6	1895.6	1862.4	1814.3	1768.8	1690.6	1623.5	1555.8	1494.2	1445.6
25°	2249.0	2204.1	2161.0	2108.0	2041.6	1987.4	1898.1	1830.4	1741.7	1685.7	1615.5
27.5°	2641.2	2564.2	2491.6	2446.0	2329.1	2250.2	2136.4	2048.9	1941.8	1866.1	1783.0
30°	3151.6	3062.3	2954.6	2797.0	2657.8	2501.5	2360.5	2248.4	2134.5	2028.6	1932.5
32.5°	3784.5	3626.9	3456.4	3206.4	2978.0	2755.1	2567.3	2429.4	2313.1	2181.3	2045.8
35°	4319.5	4157.0	3915.0	3597.3	3315.4	3060.5	2835.7	2647.4	2495.3	2328.4	2149.3
37.5°	4741.9	4556.5	4329.4	3992.0	3694.0	3404.0	3168.2	2928.1	2728.6	2499.0	2272.4
40°	5225.8	5039.8	4789.9	4440.2	4087.4	3772.8	3496.4	3248.2	3003.2	2723.1	2431.9
42.5°	5647.5	5513.3	5260.2	4898.8	4507.9	4157.6	3855.3	3571.4	3251.3	2938.0	2593.2
45°	6087.1	5950.4	5710.3	5332.3	4916.7	4526.3	4165.0	3859.6	3481.6	3108.5	2713.9
47.5°	6475.6	6335.2	6092.6	5717.0	5275.6	4864.4	4466.6	4097.2	3658.3	3229.7	2792.6
50°	6846.2	6674.4	6452.2	6077.8	5606.2	5166.7	4735.1	4261.0	3795.5	3314.8	2846.2
52.5°	7186.6	6968.1	6757.5	6372.1	5862.4	5403.1	4921.6	4400.2	3879.9	3381.8	2882.5
55°	7379.9	7238.9	6987.2	6608.5	6044.6	5565.6	5039.8	4498.0	3963.7	3429.2	2897.9
57.5°	7439.7	7405.2	7194.0	6745.2	6151.7	5654.9	5119.9	4575.6	4019.6	3442.8	2876.4
60°	7392.2	7455.1	7339.3	6841.3	6200.3	5681.3	5159.3	4631.0	4029.5	3399.7	2811.1
62.5°	7240.2	7383.1	7368.2	6873.2	6175.1	5648.1	5155.0	4602.7	3937.1	3265.5	2664.6
65°	6990.2	7170.0	7233.4	6754.4	6032.9	5526.8	5045.3	4424.8	3680.5	3003.2	2419.0
67.5°	6519.9	6792.0	6853.6	6365.3	5661.0	5191.3	4729.5	4055.4	3205.1	2597.5	2035.4
70°	5577.3	6053.2	6136.3	5624.1	5005.3	4592.8	4201.3	3469.9	2668.9	2083.4	1561.9
72.5°	4452.5	4751.7	4921.6	4568.8	4108.3	3809.1	3512.3	2662.1	2013.8	1537.3	1075.0
75°	3481.0	3463.1	3615.2	3380.6	3109.7	2969.9	2747.1	1857.5	1348.9	1018.3	680.3
77.5°	2976.1	2747.1	2574.1	2409.1	2248.4	2204.1	1990.4	1152.5	833.6	610.1	407.0
80°	2473.7	2055.7	1739.9	1507.7	1450.5	1537.9	1302.7	679.7	493.7	350.3	255.5
82.5°	1767.5	1478.8	1203.6	1056.5	958.6	1097.7	768.4	377.4	267.8	209.9	169.3
85°	1145.8	1095.2	1083.5	1035.5	916.7	865.6	583.6	325.1	200.7	130.5	105.3
87.5°	440.8	565.2	652.0	698.8	755.4	672.9	304.1	112.1	110.2	67.7	51.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8
2.5°	1066.3	1063.9	1063.3	1061.4	1060.2	1060.2	1057.1	1001.0	1000.4	1000.4	999.8
5°	1089.1	1086.0	1082.9	1082.3	1079.9	1079.9	1076.8	1020.8	1020.8	1020.8	1019.5
7.5°	1119.9	1113.7	1110.1	1108.2	1104.5	1106.3	1108.8	1052.2	1052.8	1052.2	1053.4
10°	1142.0	1138.4	1134.1	1132.8	1130.3	1132.2	1135.9	1079.9	1081.7	1082.3	1083.5
12.5°	1163.6	1157.5	1151.9	1150.1	1148.8	1153.7	1158.1	1103.9	1105.7	1107.6	1107.6
15°	1190.1	1179.6	1172.2	1167.9	1165.4	1170.4	1176.5	1123.0	1123.6	1125.4	1124.8
17.5°	1235.0	1219.6	1202.4	1199.3	1191.3	1193.2	1194.4	1134.7	1132.2	1127.9	1120.5
20°	1304.6	1281.2	1257.8	1247.9	1231.9	1225.1	1211.6	1135.3	1119.9	1106.9	1095.9
22.5°	1404.3	1369.9	1344.6	1328.0	1295.3	1272.6	1235.6	1132.2	1103.3	1081.1	1063.9
25°	1565.6	1524.4	1485.6	1443.7	1392.7	1347.1	1292.9	1159.3	1114.4	1076.2	1042.9
27.5°	1722.6	1657.4	1597.6	1534.9	1462.8	1394.5	1318.1	1167.9	1116.8	1067.6	1013.4
30°	1840.2	1745.4	1654.9	1563.2	1469.0	1380.3	1294.1	1138.4	1077.4	1022.0	964.7
32.5°	1911.7	1788.5	1670.9	1557.0	1446.2	1346.5	1249.8	1087.3	1020.2	954.9	893.9
35°	1979.3	1826.7	1680.8	1546.6	1419.7	1308.9	1204.9	1027.6	947.5	877.9	801.0
37.5°	2063.1	1866.7	1686.9	1527.5	1381.0	1254.1	1139.6	952.4	872.4	786.8	714.2
40°	2163.4	1907.9	1680.8	1489.3	1320.6	1182.1	1060.8	873.6	784.4	701.2	629.8
42.5°	2258.9	1944.2	1664.8	1438.2	1254.7	1106.9	988.7	803.5	714.2	629.2	558.4
45°	2329.7	1975.0	1656.7	1402.5	1204.3	1055.9	925.3	746.8	652.6	567.0	495.0
47.5°	2378.9	1993.5	1653.1	1382.8	1169.2	1002.9	867.5	690.2	591.1	504.8	434.6
50°	2404.8	1992.9	1643.8	1361.2	1117.4	939.5	807.8	632.9	534.4	450.1	386.0
52.5°	2411.6	1981.8	1624.1	1321.8	1054.6	876.1	743.7	573.2	484.5	403.9	339.2
55°	2396.2	1954.7	1582.9	1256.0	987.5	809.0	685.3	526.4	435.9	359.5	309.1
57.5°	2352.4	1906.7	1505.3	1165.4	916.7	746.8	618.1	469.7	382.9	318.9	277.0
60°	2271.2	1805.1	1384.0	1058.3	826.9	652.0	525.8	395.9	326.9	278.9	245.0
62.5°	2120.9	1645.7	1213.5	910.6	697.6	528.8	419.9	315.8	264.1	232.7	211.8
65°	1879.0	1405.6	1015.9	717.2	530.1	384.8	312.1	237.7	200.1	181.0	174.8
67.5°	1533.6	1085.4	738.8	498.1	358.9	269.6	217.3	173.6	155.8	148.4	145.9
70°	1115.0	739.4	478.4	314.6	237.1	188.4	164.4	139.7	129.9	128.0	128.0
72.5°	700.0	449.5	293.0	215.5	179.8	152.7	140.4	123.1	119.5	118.2	116.3
75°	410.6	272.8	207.5	176.7	153.9	136.7	126.2	112.1	109.6	109.0	107.1
77.5°	261.7	196.4	167.5	150.8	139.1	123.7	114.5	99.7	99.1	98.5	97.9
80°	187.8	163.1	146.5	133.6	121.9	107.8	102.2	90.5	89.3	88.7	89.9
82.5°	142.2	134.8	128.0	118.2	102.2	91.7	87.4	79.4	80.0	77.0	76.3
85°	97.9	96.7	96.1	91.7	80.0	70.8	67.7	63.4	66.5	63.4	59.7
87.5°	48.0	47.4	43.7	51.7	48.0	38.2	34.5	38.2	42.5	41.2	38.2
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: P158871

CATALOG NUMBER: VST-E03-LED-E-U-SLL-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8
2.5°	997.4	994.9	996.8	995.5	995.5	994.9	996.1	994.3	993.1	994.3	994.9
5°	1017.1	1014.0	1014.6	1010.3	1012.1	1007.8	1009.1	1006.0	1002.9	1001.7	1001.7
7.5°	1050.3	1047.2	1043.5	1042.9	1036.1	1033.7	1029.4	1026.9	1025.1	1020.8	1018.3
10°	1080.5	1075.6	1071.2	1070.6	1063.9	1057.7	1052.2	1047.2	1044.2	1038.0	1034.9
12.5°	1105.1	1100.2	1093.4	1089.7	1082.9	1075.6	1071.8	1064.5	1060.2	1053.4	1047.8
15°	1119.3	1110.7	1100.8	1094.0	1084.2	1076.2	1070.6	1065.1	1060.8	1052.2	1044.2
17.5°	1112.5	1098.4	1084.8	1072.5	1058.9	1051.6	1043.5	1036.8	1035.5	1025.7	1013.4
20°	1084.2	1067.6	1049.7	1033.1	1015.2	1004.8	994.9	984.4	981.4	969.7	953.6
22.5°	1049.7	1030.6	1010.3	990.0	967.2	952.4	937.7	924.7	914.3	897.0	874.3
25°	1014.6	986.3	956.8	930.9	904.4	886.0	870.5	856.4	844.1	816.4	793.0
27.5°	968.5	924.1	893.9	864.4	832.4	808.4	791.1	771.4	757.9	725.9	701.2
30°	909.4	865.0	821.9	792.4	760.3	734.5	712.3	684.0	664.3	640.9	618.1
32.5°	834.8	790.5	746.8	713.6	687.1	655.1	627.4	600.3	577.5	554.7	536.9
35°	744.4	701.2	660.0	626.8	597.2	572.0	545.5	522.1	496.2	471.6	461.2
37.5°	648.9	602.8	557.2	528.2	504.8	487.0	462.4	443.3	419.9	405.1	392.8
40°	565.8	516.5	473.5	448.8	430.3	410.0	389.7	374.9	358.3	343.6	334.3
42.5°	495.6	449.5	412.5	391.6	369.4	347.2	331.9	319.5	309.1	298.0	286.9
45°	431.0	386.6	355.9	330.0	311.5	293.7	283.2	277.7	271.5	264.7	257.3
47.5°	376.8	338.6	308.5	284.5	265.4	253.0	248.1	246.2	243.8	238.3	234.5
50°	335.5	304.1	273.4	251.8	235.8	229.6	224.1	222.2	219.2	217.3	214.9
52.5°	301.1	267.8	242.0	222.2	212.4	209.9	207.5	205.0	204.4	203.2	202.0
55°	272.8	243.8	219.8	205.0	200.1	198.2	197.6	195.2	194.5	194.5	192.7
57.5°	247.5	222.9	201.3	192.1	189.0	187.1	185.9	184.7	184.7	185.9	185.3
60°	221.6	200.7	187.8	182.9	181.0	177.9	174.8	173.6	174.2	177.3	177.3
62.5°	196.4	181.0	173.0	171.2	169.3	166.9	163.1	161.9	163.1	166.9	168.7
65°	168.7	161.9	159.5	158.2	157.0	155.2	152.7	151.4	152.0	153.9	156.4
67.5°	143.5	142.9	142.9	143.5	142.9	142.2	141.0	139.1	138.5	138.5	139.7
70°	128.0	128.0	129.9	129.9	129.3	129.3	127.4	125.6	124.4	123.1	123.7
72.5°	116.3	116.3	117.0	117.6	117.0	117.0	114.5	113.3	110.2	109.6	108.4
75°	106.5	105.3	105.3	104.6	104.0	104.6	102.2	99.1	97.9	97.3	96.1
77.5°	96.7	94.2	92.9	91.7	92.3	91.7	89.9	88.0	86.2	85.6	85.0
80°	85.6	81.9	80.0	77.0	78.8	79.4	78.2	76.3	75.7	75.1	74.5
82.5°	70.8	67.1	64.6	62.8	61.6	62.8	64.6	68.9	67.7	67.1	65.9
85°	55.4	49.3	46.2	46.8	43.7	44.3	49.9	52.3	52.3	53.6	52.3
87.5°	31.4	30.2	22.8	20.9	22.1	26.5	29.6	32.6	32.6	30.8	34.5
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8
2.5°	994.9	996.1	996.8	999.2	1000.4	1001.0	1001.7	1002.9	1003.6	1002.9	1006.0
5°	999.8	999.8	998.6	1000.4	1001.0	1001.0	999.8	1001.0	1001.0	1001.0	1004.2
7.5°	1012.7	1009.1	1007.2	1004.8	1002.9	1000.4	997.4	997.4	996.8	997.4	999.2
10°	1026.3	1020.8	1014.0	1007.8	1002.3	998.0	992.5	990.6	990.0	989.4	994.3
12.5°	1036.8	1026.9	1016.5	1006.0	994.9	987.5	978.3	972.7	972.1	972.1	978.3
15°	1029.4	1013.4	993.1	974.6	964.7	954.3	943.8	937.0	936.4	937.7	941.3
17.5°	992.5	966.6	948.7	930.9	917.9	909.4	902.6	901.3	903.8	901.3	906.2
20°	929.6	901.9	889.6	875.5	870.5	864.4	854.5	845.9	845.9	834.8	837.9
22.5°	848.4	833.0	817.0	805.9	802.2	791.8	781.3	769.6	768.4	754.8	752.9
25°	763.4	748.0	735.1	732.7	721.6	707.4	697.6	684.0	680.9	667.4	665.5
27.5°	676.6	664.3	651.4	644.0	637.8	622.4	613.8	597.8	591.7	576.9	575.0
30°	594.1	585.5	570.1	563.9	552.2	534.4	515.9	506.1	501.1	485.8	480.8
32.5°	516.5	503.0	491.3	483.9	469.1	448.8	432.2	418.0	408.8	390.4	385.4
35°	442.7	429.1	423.6	404.5	391.6	378.0	355.3	346.6	330.0	315.8	310.9
37.5°	377.4	364.5	357.1	341.1	328.1	314.6	301.1	290.0	282.0	278.9	278.9
40°	321.4	314.6	305.3	293.7	285.1	275.2	267.8	264.1	263.5	264.7	267.8
42.5°	281.3	274.0	267.8	261.7	255.5	254.3	252.4	254.9	257.9	261.1	264.1
45°	251.2	245.0	241.3	238.9	238.3	240.1	243.8	247.5	253.0	256.7	259.2
47.5°	229.6	224.7	223.5	222.9	226.0	231.5	236.4	242.0	246.2	250.0	252.4
50°	211.2	206.9	206.2	205.6	209.9	214.9	219.2	226.6	229.6	232.1	233.9
52.5°	198.2	194.5	192.7	193.3	197.6	202.0	208.1	213.7	217.9	219.8	221.6
55°	187.8	186.5	182.2	184.1	188.4	193.9	200.1	206.2	210.5	213.7	216.7
57.5°	179.8	176.7	173.6	176.7	181.0	186.5	193.9	199.5	205.0	209.3	212.4
60°	171.2	168.7	166.2	169.3	173.6	179.2	184.7	192.1	198.8	203.2	206.2
62.5°	163.7	161.9	159.5	160.1	161.9	165.6	168.7	175.4	181.6	187.1	190.9
65°	153.3	152.7	149.0	149.6	150.8	154.6	157.0	163.1	169.3	174.2	177.3
67.5°	137.9	136.7	136.7	138.5	139.1	141.0	142.9	149.0	153.9	157.6	161.3
70°	122.5	121.9	121.9	123.1	122.5	124.4	126.8	132.4	138.5	142.2	145.9
72.5°	107.8	107.8	107.1	108.4	108.4	109.0	112.1	117.0	122.5	125.6	128.0
75°	94.8	94.2	94.2	94.2	94.8	94.8	97.9	102.2	107.8	109.6	113.3
77.5°	83.1	83.1	83.1	83.1	83.8	83.1	85.0	88.0	89.9	92.9	92.9
80°	73.3	72.7	73.3	73.9	73.9	73.3	73.3	73.9	74.5	74.5	74.5
82.5°	64.6	62.8	64.0	67.1	67.1	67.1	66.5	62.2	59.1	59.1	60.4
85°	51.7	51.7	52.3	56.6	57.2	54.8	57.2	51.1	44.9	43.1	44.3
87.5°	32.0	25.3	30.8	35.1	35.1	33.2	37.0	34.5	28.9	23.4	22.1
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	0°
2.5°	1008.5	1009.1	1012.7	1014.6	1014.6	1017.1	1018.3	1022.0	1021.4	1021.4	1022.6	2.5°
5°	1007.2	1009.1	1012.7	1015.2	1016.5	1019.5	1022.0	1026.3	1025.7	1026.9	1027.6	5°
7.5°	1002.9	1007.8	1011.5	1016.5	1020.8	1023.2	1026.3	1030.0	1028.8	1029.4	1028.8	7.5°
10°	999.2	1004.2	1011.5	1018.3	1024.4	1028.2	1030.0	1034.3	1033.7	1034.9	1034.9	10°
12.5°	984.4	993.1	1002.3	1012.7	1022.0	1031.9	1038.0	1047.2	1051.6	1057.1	1063.3	12.5°
15°	946.9	956.8	971.5	983.2	1001.0	1014.6	1032.5	1050.3	1066.3	1081.7	1099.6	15°
17.5°	910.0	914.3	926.0	941.9	958.0	978.3	999.8	1031.9	1060.8	1092.2	1126.7	17.5°
20°	841.6	849.0	857.0	876.1	895.2	924.1	950.6	992.5	1034.9	1084.2	1137.1	20°
22.5°	757.3	764.6	773.3	794.8	818.2	847.7	879.8	926.6	983.2	1047.2	1118.0	22.5°
25°	666.1	670.4	677.2	698.8	712.9	751.7	790.5	839.2	900.7	983.2	1065.7	25°
27.5°	565.8	573.8	579.4	589.2	621.8	655.1	695.7	748.0	822.5	906.9	1006.6	27.5°
30°	469.7	476.5	473.5	494.4	515.9	551.0	594.7	652.6	724.0	824.4	939.5	30°
32.5°	375.5	380.5	378.7	393.4	415.0	450.1	491.3	554.1	629.8	736.9	861.9	32.5°
35°	309.7	310.9	317.7	324.5	342.9	371.2	406.3	461.2	538.7	637.2	769.6	35°
37.5°	278.9	281.3	285.7	294.9	308.5	328.7	357.7	400.2	466.7	553.5	671.7	37.5°
40°	269.6	271.5	274.0	280.1	293.0	310.9	336.8	372.5	421.1	494.4	590.4	40°
42.5°	265.4	265.4	265.4	269.0	278.9	298.0	327.5	362.6	405.1	460.5	538.1	42.5°
45°	259.2	259.2	258.6	260.4	267.2	286.3	318.3	357.7	403.3	456.2	523.3	45°
47.5°	252.4	251.8	250.0	250.0	254.3	273.4	306.6	349.1	398.9	459.9	532.0	47.5°
50°	233.9	233.9	233.9	235.8	239.5	256.7	292.4	337.4	394.6	462.4	545.5	50°
52.5°	223.5	224.1	226.0	226.0	229.6	247.5	285.1	334.9	397.1	471.6	562.7	52.5°
55°	218.6	220.4	222.2	222.2	225.4	243.8	282.6	336.8	406.3	490.7	592.3	55°
57.5°	214.3	216.1	217.3	217.3	219.8	235.8	275.8	333.7	411.9	509.2	628.6	57.5°
60°	206.2	207.5	208.1	208.1	208.7	222.2	260.4	318.9	399.5	507.9	648.3	60°
62.5°	191.5	193.9	194.5	195.2	195.2	208.1	240.7	294.9	373.1	489.5	642.8	62.5°
65°	180.4	181.6	183.5	184.7	187.1	195.8	221.6	266.0	338.6	452.5	611.9	65°
67.5°	163.1	165.0	166.9	169.3	171.8	177.3	197.6	233.3	291.8	389.7	543.0	67.5°
70°	147.8	148.4	150.2	153.3	153.9	157.0	171.8	196.4	238.9	312.8	437.1	70°
72.5°	128.7	129.9	132.4	136.1	136.1	138.5	147.1	160.1	187.1	238.9	322.6	72.5°
75°	112.1	113.3	115.1	115.1	112.1	112.7	118.8	128.0	148.4	179.8	235.2	75°
77.5°	92.9	95.4	97.3	93.6	92.3	94.2	97.3	104.0	118.8	142.9	176.7	77.5°
80°	77.0	78.2	78.8	79.4	78.2	80.0	82.5	86.8	96.7	115.1	139.7	80°
82.5°	61.6	62.8	64.6	67.1	67.1	73.9	74.5	74.5	80.0	91.7	109.6	82.5°
85°	45.5	48.0	50.5	53.6	54.2	57.9	56.0	55.4	57.2	68.3	75.7	85°
87.5°	23.4	25.3	26.5	28.9	25.9	27.1	27.1	25.3	22.1	27.7	30.8	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°
1028.8	1028.8	1028.8	1028.8	1028.8	1028.8	1028.8
1023.8	1022.6	1023.8	1023.8	1025.7	1024.4	1089.7
1028.8	1027.6	1028.8	1030.0	1031.9	1031.9	1103.9
1029.4	1029.4	1028.2	1031.2	1033.7	1036.1	1117.4
1036.8	1036.8	1038.0	1038.6	1044.2	1050.3	1139.6
1066.9	1070.0	1075.6	1077.4	1087.3	1094.0	1196.2
1113.1	1130.3	1141.4	1145.2	1153.7	1166.7	1291.7
1159.9	1188.8	1219.0	1237.5	1248.5	1264.0	1408.6
1195.0	1249.2	1300.9	1347.1	1373.5	1403.7	1572.4
1198.1	1284.3	1371.7	1457.3	1528.1	1584.1	1794.1
1168.5	1281.8	1402.5	1533.6	1655.5	1756.5	2048.9
1131.0	1270.1	1424.0	1591.5	1751.6	1900.6	2236.7
1083.5	1250.4	1427.7	1616.1	1803.9	1983.1	2343.8
1011.5	1191.9	1383.4	1591.5	1809.4	2027.4	2412.8
919.2	1103.3	1299.7	1536.7	1783.6	2045.2	2470.7
825.0	1006.6	1217.8	1463.5	1742.3	2042.2	2494.1
725.3	905.6	1121.8	1385.2	1686.3	2013.8	2489.8
657.5	821.9	1033.7	1305.8	1624.1	1976.3	2460.8
618.1	762.2	964.1	1233.2	1567.5	1931.3	2424.5
617.5	744.4	927.2	1181.5	1510.2	1881.5	2375.2
639.1	755.4	922.9	1159.3	1478.8	1845.1	2321.6
664.3	786.2	945.7	1167.3	1478.2	1829.2	2284.1
704.3	838.6	995.5	1201.8	1494.2	1826.7	2237.9
755.4	909.4	1085.4	1286.8	1556.4	1875.3	2241.0
807.8	992.5	1203.0	1432.0	1678.9	1988.6	2338.3
826.9	1056.5	1322.5	1602.6	1862.4	2158.5	2539.0
810.2	1071.2	1395.1	1735.0	2040.9	2357.4	2778.5
748.6	1011.5	1365.5	1772.5	2143.7	2498.3	3018.0
616.3	863.2	1231.3	1688.2	2135.8	2527.3	3104.2
451.9	669.2	1001.0	1434.5	1898.7	2346.3	2974.9
326.3	473.5	722.8	1080.5	1501.0	1889.5	2495.3
233.9	328.1	469.1	709.9	1022.6	1315.7	1778.6
168.1	222.9	292.4	426.1	623.0	807.8	1117.4
123.7	152.7	192.1	264.7	367.0	470.3	672.9
84.4	89.9	115.7	156.4	240.7	346.0	456.8
32.0	36.3	42.5	64.0	107.8	123.7	87.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)