

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: P159141

Luminaire Tested: **VST-E08-LED-E-U-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159141
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-E08-LED-E-U-SLR-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(8) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (168) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22059.5 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 194.5
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



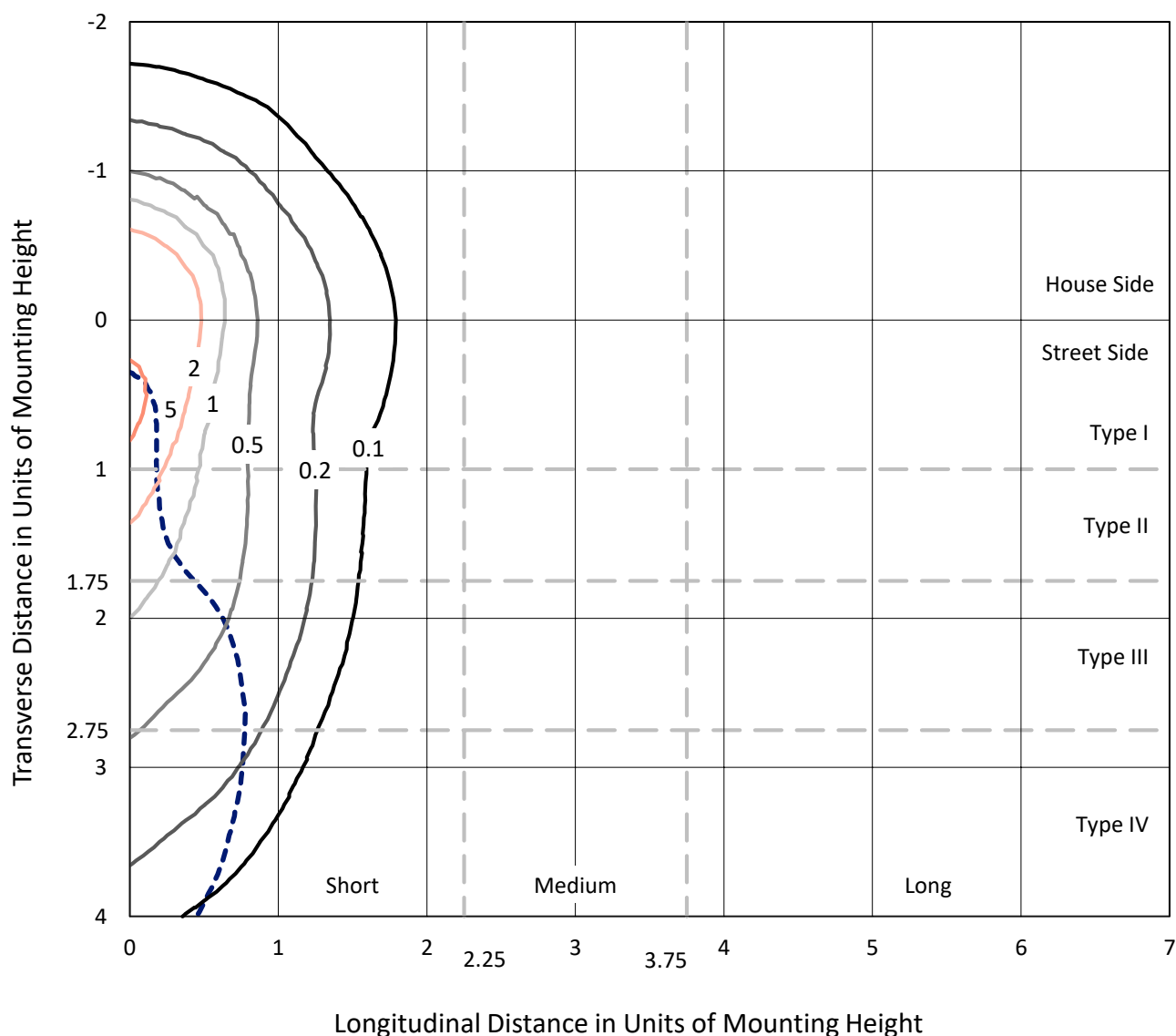
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

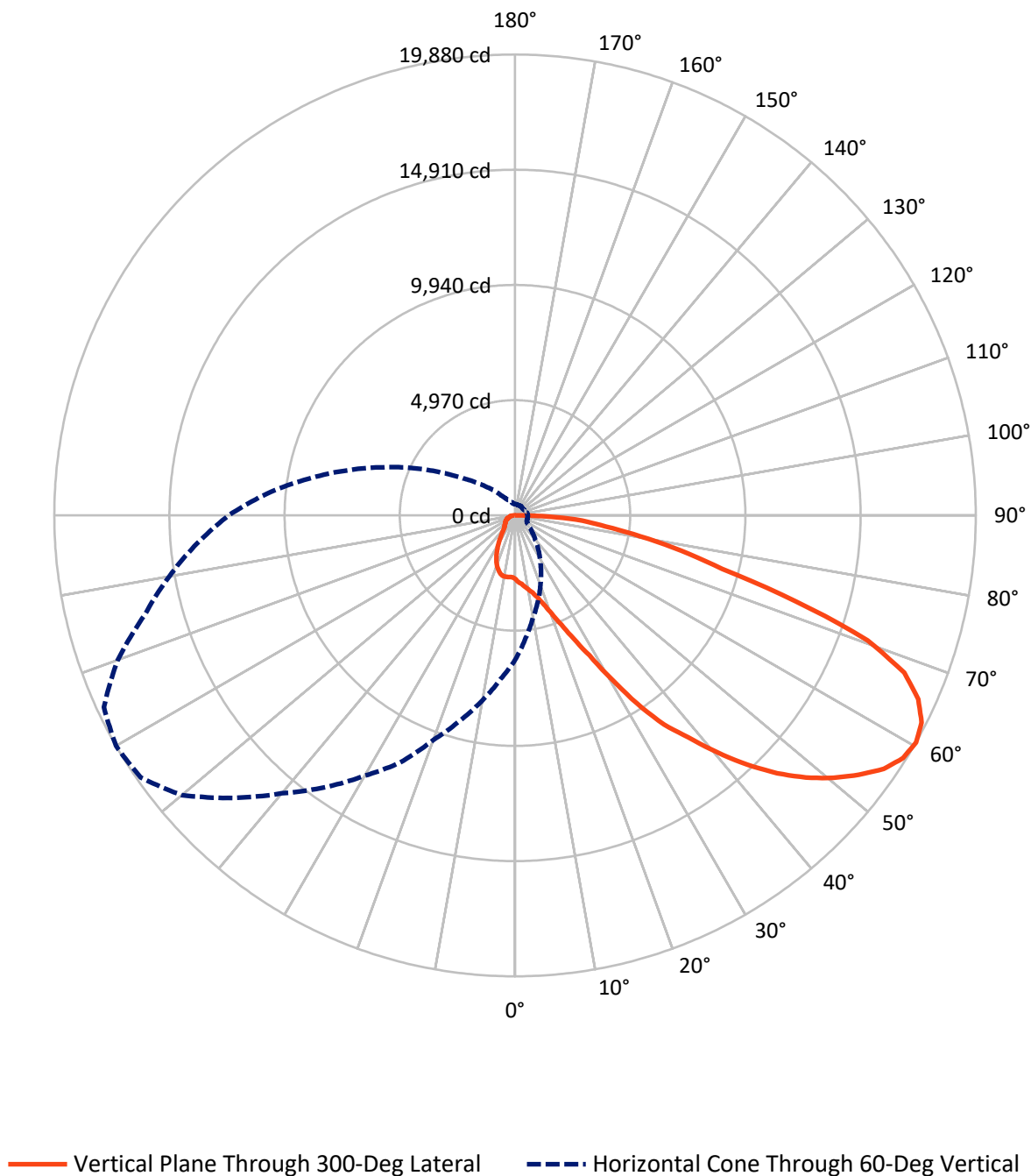


Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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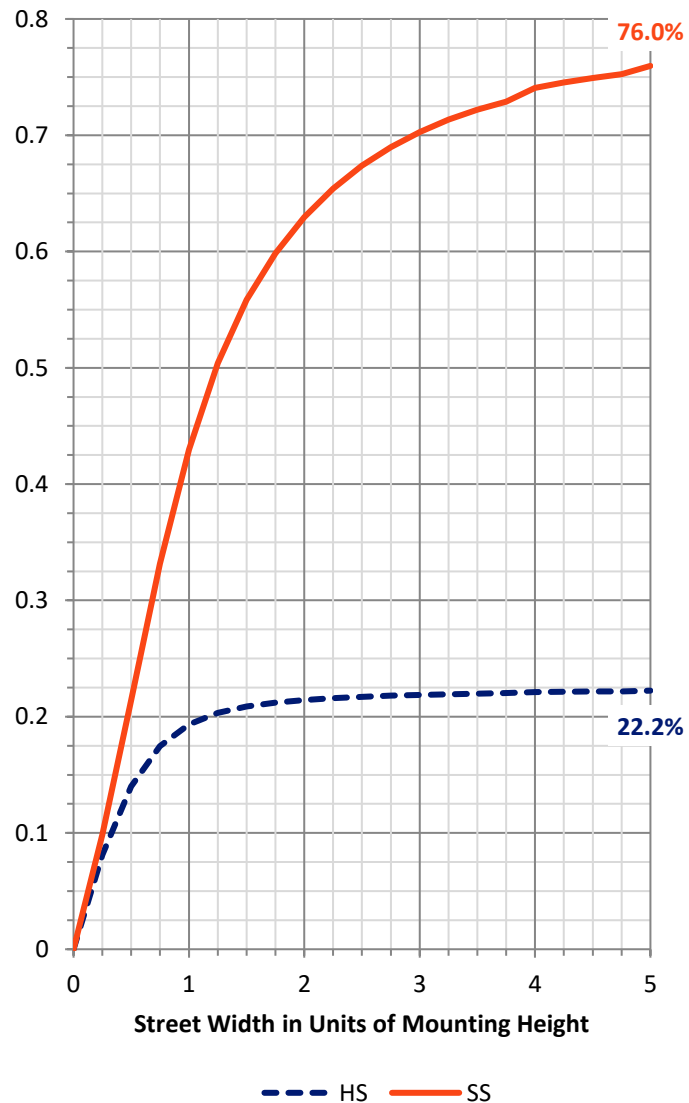
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4967.1	0.0	4967.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	17092.4	0.0	17092.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	22059.5	0.0	22059.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.7	1.2
10°-20°	873.9	4.0
20°-30°	1658.3	7.5
30°-40°	2611.5	11.8
40°-50°	3645.0	16.5
50°-60°	4508.0	20.4
60°-70°	4672.8	21.2
70°-80°	2940.3	13.3
80°-90°	878.9	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°	22059.5	100.0
0°-180°	22059.5	100.0

Coefficient of Utilization



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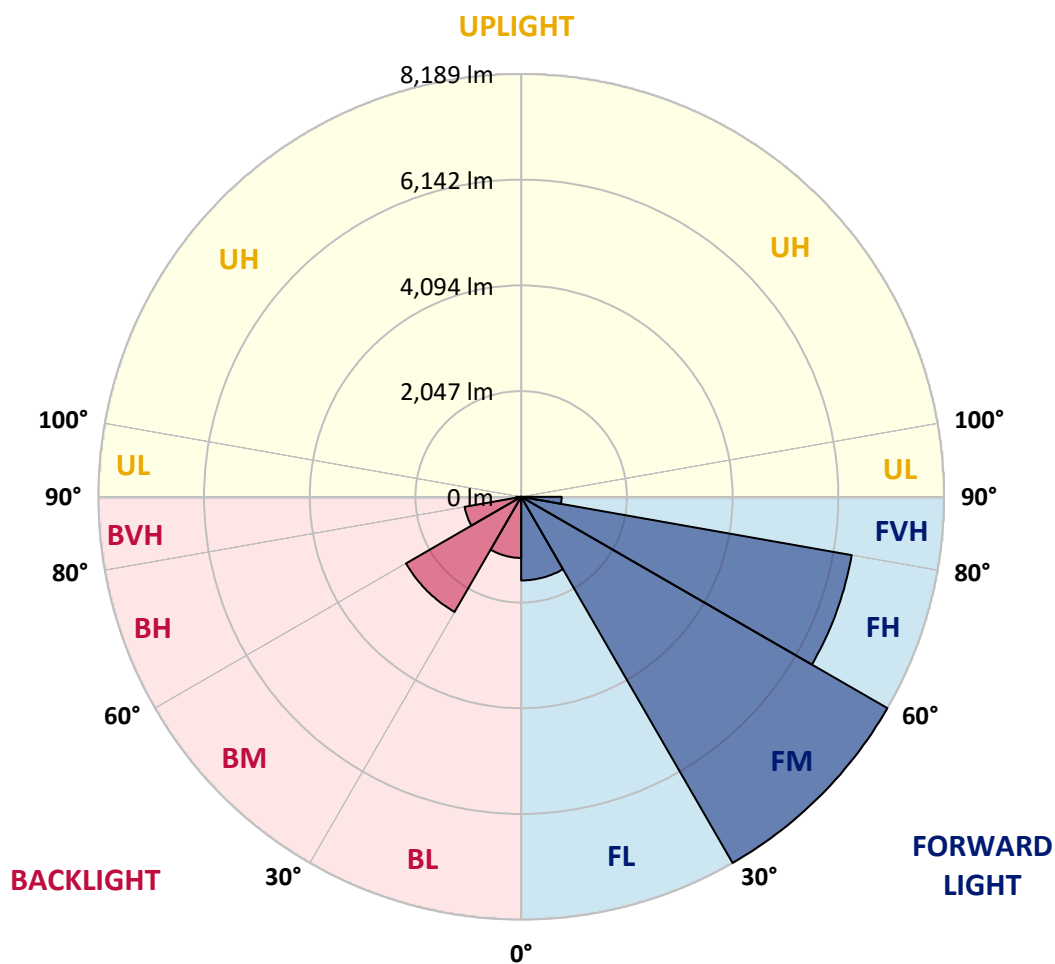
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1619.5	7.3			
FM	(30°-60°)	8188.8	37.1			
FH	(60°-80°)	6500.7	29.5			G3/7500
FVH	(80°-90°)	783.3	3.6			G5
BL	(0°-30°)	1183.3	5.4	B3/2500		
BM	(30°-60°)	2575.7	11.7	B3/5000		
BH	(60°-80°)	1112.4	5.0	B3/2500		G3/2500
BVH	(80°-90°)	95.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2905.9	2731.9	2735.2	2730.3	2730.3	2727.0	2730.3	2727.0	2723.7	2723.7	2725.3
5°	2943.7	2751.6	2751.6	2746.7	2743.4	2740.1	2743.4	2740.1	2738.5	2735.2	2736.8
7.5°	2979.8	2763.1	2756.5	2750.0	2741.8	2745.0	2745.0	2743.4	2745.0	2743.4	2746.7
10°	3038.9	2800.9	2784.4	2769.7	2768.0	2764.7	2764.7	2759.8	2759.8	2756.5	2758.2
12.5°	3190.0	2917.4	2899.4	2873.1	2868.2	2853.4	2845.2	2835.3	2818.9	2804.1	2792.6
15°	3444.4	3111.2	3076.7	3053.7	3043.8	3014.3	2968.3	2932.2	2884.6	2843.5	2800.9
17.5°	3756.4	3370.6	3329.5	3300.0	3250.7	3170.3	3093.1	3004.4	2912.5	2828.8	2751.6
20°	4193.1	3743.2	3662.8	3592.2	3469.1	3331.1	3186.7	3032.3	2891.2	2759.8	2646.5
22.5°	4784.1	4224.3	4074.9	3886.1	3657.9	3424.7	3194.9	2981.5	2792.6	2621.9	2470.9
25°	5463.8	4684.0	4414.7	4089.6	3739.9	3418.2	3116.1	2841.9	2621.9	2401.9	2237.7
27.5°	5964.5	5068.1	4670.8	4244.0	3797.4	3387.0	3015.9	2684.3	2418.3	2193.4	1994.7
30°	6250.2	5288.1	4810.4	4309.6	3807.3	3334.4	2889.5	2505.3	2198.3	1930.7	1740.3
32.5°	6434.1	5406.3	4825.2	4244.0	3689.1	3178.5	2697.4	2298.5	1965.2	1679.5	1477.6
35°	6588.4	5454.0	4756.2	4097.9	3465.8	2942.0	2451.2	2052.2	1699.2	1436.5	1229.7
37.5°	6650.8	5445.7	4646.2	3902.5	3247.4	2684.3	2200.0	1791.2	1476.0	1244.5	1067.1
40°	6639.3	5370.2	4496.8	3694.0	2991.3	2415.0	1934.0	1574.5	1318.3	1123.0	993.3
42.5°	6562.1	5270.1	4331.0	3482.2	2756.5	2191.8	1753.4	1434.9	1228.0	1080.3	967.0
45°	6465.3	5150.2	4179.9	3288.5	2571.0	2032.5	1648.3	1395.5	1216.6	1075.4	953.9
47.5°	6333.9	5017.2	4027.3	3150.6	2472.5	1984.9	1646.7	1418.5	1226.4	1063.9	930.9
50°	6191.1	4920.4	3943.5	3091.5	2461.0	2014.5	1704.2	1454.6	1233.0	1052.4	899.7
52.5°	6091.0	4877.7	3941.9	3112.8	2521.8	2096.5	1771.5	1500.6	1257.6	1058.9	893.1
55°	5967.8	4871.1	3984.6	3204.7	2654.7	2236.1	1878.2	1579.4	1308.5	1083.6	898.0
57.5°	5976.0	5000.8	4150.4	3431.3	2894.4	2424.9	2014.5	1676.2	1357.7	1098.3	889.8
60°	6235.4	5302.9	4477.1	3818.8	3208.0	2646.5	2154.0	1728.8	1354.5	1065.5	850.4
62.5°	6770.7	5756.0	4966.4	4273.5	3526.5	2817.3	2204.9	1714.0	1305.2	994.9	786.4
65°	7409.3	6286.3	5442.5	4626.5	3720.2	2856.7	2160.6	1631.9	1206.7	903.0	709.2
67.5°	8048.0	6662.3	5716.6	4726.7	3641.4	2697.4	1996.4	1448.0	1039.2	778.2	622.2
70°	8277.8	6739.5	5695.3	4501.7	3283.5	2301.8	1643.4	1165.7	834.0	637.0	523.7
72.5°	7933.0	6256.8	5063.2	3825.3	2669.5	1784.6	1205.1	860.3	637.0	499.1	426.9
75°	6654.1	5038.6	4002.6	2881.3	1927.4	1262.5	870.1	627.2	479.4	395.7	341.5
77.5°	4743.1	3508.5	2727.0	1893.0	1251.0	875.1	623.9	471.2	380.9	316.9	277.5
80°	2979.8	2154.0	1661.5	1136.1	779.8	594.3	448.2	372.7	307.0	257.8	231.5
82.5°	1794.5	1254.3	978.5	706.0	512.2	407.2	330.0	292.2	244.6	213.4	198.7
85°	1218.2	922.7	641.9	417.0	308.7	239.7	224.9	201.9	182.2	152.7	147.8
87.5°	233.1	330.0	287.3	170.7	113.3	96.9	85.4	82.1	73.9	59.1	67.3
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°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2715.5	2712.2	2705.6	2705.6	2700.7	2690.9	2689.2	2682.7	2674.4	2676.1	2674.4
5°	2725.3	2718.8	2710.6	2707.3	2700.7	2690.9	2685.9	2677.7	2669.5	2669.5	2669.5
7.5°	2736.8	2728.6	2722.1	2710.6	2697.4	2687.6	2674.4	2664.6	2659.7	2658.0	2659.7
10°	2746.7	2741.8	2731.9	2715.5	2697.4	2677.7	2664.6	2651.5	2638.3	2640.0	2641.6
12.5°	2768.0	2751.6	2725.3	2700.7	2672.8	2648.2	2625.2	2608.8	2592.4	2592.4	2594.0
15°	2753.2	2705.6	2669.5	2621.9	2590.7	2551.3	2525.0	2510.3	2500.4	2497.1	2498.8
17.5°	2666.2	2608.8	2554.6	2511.9	2469.2	2438.0	2426.5	2416.7	2403.5	2410.1	2403.5
20°	2534.9	2464.3	2387.1	2336.2	2285.3	2264.0	2244.3	2234.4	2226.2	2255.8	2255.8
22.5°	2346.1	2260.7	2181.9	2119.5	2062.1	2039.1	2019.4	2007.9	2012.8	2048.9	2052.2
25°	2108.0	2004.6	1901.2	1863.4	1805.9	1787.9	1776.4	1774.8	1779.7	1815.8	1824.0
27.5°	1855.2	1746.8	1658.2	1571.2	1544.9	1530.1	1508.8	1533.4	1538.3	1577.7	1594.2
30°	1585.9	1469.4	1375.8	1318.3	1262.5	1270.7	1252.7	1282.2	1295.4	1336.4	1349.5
32.5°	1310.1	1200.1	1106.6	1049.1	1009.7	1014.6	1001.5	1027.7	1040.9	1090.1	1114.8
35°	1083.6	990.0	914.5	865.2	847.2	829.1	825.8	829.1	842.2	880.0	924.3
37.5°	953.9	876.7	822.5	786.4	761.8	750.3	743.7	743.7	743.7	751.9	773.3
40°	898.0	829.1	781.5	747.0	730.6	724.0	719.1	714.2	706.0	702.7	704.3
42.5°	873.4	794.6	743.7	717.5	707.6	707.6	707.6	704.3	696.1	687.9	679.7
45°	848.8	763.4	712.5	694.5	689.5	691.2	691.2	691.2	684.6	674.8	660.0
47.5°	817.6	728.9	678.1	666.6	666.6	671.5	673.1	673.1	666.6	656.7	645.2
50°	779.8	684.6	638.6	628.8	623.9	623.9	623.9	623.9	618.9	612.4	604.2
52.5°	760.1	660.0	612.4	602.5	602.5	597.6	596.0	591.0	586.1	581.2	569.7
55°	753.6	650.1	600.9	592.7	592.7	587.8	582.8	577.9	569.7	561.5	550.0
57.5°	735.5	628.8	586.1	579.5	579.5	576.3	571.3	566.4	558.2	546.7	531.9
60°	694.5	592.7	556.6	554.9	554.9	553.3	550.0	550.0	541.8	530.3	512.2
62.5°	641.9	554.9	520.4	520.4	518.8	517.2	510.6	508.9	499.1	484.3	467.9
65°	591.0	522.1	499.1	492.5	489.2	484.3	481.0	472.8	464.6	451.5	435.1
67.5°	527.0	472.8	458.1	451.5	444.9	440.0	435.1	430.1	420.3	410.4	397.3
70°	458.1	418.7	410.4	408.8	400.6	395.7	394.0	389.1	379.2	369.4	353.0
72.5°	392.4	369.4	362.8	362.8	353.0	346.4	343.1	341.5	334.9	326.7	311.9
75°	316.9	300.4	298.8	307.0	307.0	302.1	298.8	302.1	292.2	287.3	272.5
77.5°	259.4	251.2	246.3	249.5	259.4	254.5	247.9	247.9	247.9	239.7	234.8
80°	220.0	213.4	208.5	211.8	210.1	208.5	205.2	198.7	198.7	198.7	197.0
82.5°	198.7	197.0	179.0	179.0	172.4	167.5	164.2	160.9	157.6	157.6	165.8
85°	149.4	154.3	144.5	142.8	134.6	128.1	121.5	118.2	114.9	119.8	136.3
87.5°	72.2	72.2	69.0	77.2	70.6	67.3	62.4	59.1	62.4	77.2	91.9
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°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2671.2	2669.5	2667.9	2664.6	2658.0	2656.4	2653.1	2653.1	2651.5	2648.2	2651.5
5°	2666.2	2669.5	2669.5	2667.9	2662.9	2666.2	2666.2	2671.2	2671.2	2674.4	2682.7
7.5°	2659.7	2667.9	2674.4	2679.4	2685.9	2690.9	2700.7	2715.5	2722.1	2733.5	2738.5
10°	2646.5	2661.3	2672.8	2687.6	2704.0	2722.1	2736.8	2759.8	2768.0	2784.4	2792.6
12.5°	2608.8	2633.4	2653.1	2682.7	2710.6	2738.5	2764.7	2794.3	2809.1	2827.1	2838.6
15°	2516.8	2544.7	2572.7	2598.9	2648.2	2702.4	2745.0	2784.4	2805.8	2828.8	2840.3
17.5°	2406.8	2424.9	2447.9	2482.4	2530.0	2577.6	2646.5	2702.4	2735.2	2761.5	2764.7
20°	2278.8	2305.0	2321.5	2334.6	2372.4	2405.2	2479.1	2543.1	2585.8	2617.0	2625.2
22.5°	2083.4	2111.3	2139.2	2149.1	2178.6	2221.3	2262.4	2331.3	2392.1	2438.0	2465.9
25°	1860.1	1886.4	1924.2	1953.7	1960.3	1994.7	2035.8	2114.6	2177.0	2250.9	2283.7
27.5°	1636.8	1659.8	1700.9	1717.3	1737.0	1771.5	1804.3	1870.0	1935.6	2021.0	2057.1
30°	1375.8	1425.1	1472.7	1503.9	1520.3	1561.3	1584.3	1648.3	1709.1	1771.5	1824.0
32.5°	1152.5	1196.8	1251.0	1290.4	1310.1	1341.3	1377.4	1431.6	1479.2	1540.0	1600.7
35°	947.3	1008.0	1044.2	1078.6	1129.5	1144.3	1180.4	1229.7	1257.6	1323.3	1392.2
37.5°	802.8	838.9	875.1	909.5	952.2	971.9	1006.4	1047.4	1080.3	1119.7	1182.1
40°	714.2	733.9	760.1	783.1	814.3	838.9	857.0	891.5	916.1	955.5	999.8
42.5°	673.1	678.1	681.3	697.8	714.2	730.6	750.3	765.1	794.6	824.2	852.1
45°	650.1	640.3	635.4	637.0	643.6	653.4	669.8	686.3	706.0	724.0	740.4
47.5°	630.4	617.3	602.5	594.3	596.0	599.2	612.4	625.5	635.4	650.1	656.7
50°	584.5	573.0	559.8	548.4	550.0	551.6	563.1	573.0	579.5	584.5	592.7
52.5°	554.9	538.5	527.0	515.5	513.9	518.8	528.6	538.5	541.8	545.1	546.7
55°	533.6	517.2	502.4	490.9	486.0	497.5	500.7	513.9	518.8	518.8	520.4
57.5°	517.2	497.5	482.7	471.2	463.0	471.2	479.4	494.2	495.8	492.5	492.5
60°	492.5	477.8	463.0	451.5	443.3	449.8	456.4	472.8	472.8	464.6	463.0
62.5°	449.8	441.6	431.8	426.9	425.2	431.8	436.7	449.8	444.9	435.1	431.8
65°	418.7	412.1	402.2	398.9	397.3	407.2	408.8	417.0	410.4	405.5	403.9
67.5°	380.9	376.0	371.0	369.4	364.5	364.5	367.8	372.7	369.4	369.4	371.0
70°	338.2	331.6	326.7	328.4	325.1	325.1	326.7	330.0	328.4	331.6	334.9
72.5°	298.8	290.6	289.0	289.0	285.7	287.3	287.3	289.0	292.2	293.9	302.1
75°	261.0	252.8	252.8	251.2	251.2	251.2	252.8	256.1	259.4	261.0	264.3
77.5°	226.6	221.6	223.3	221.6	221.6	221.6	221.6	226.6	228.2	229.8	234.8
80°	195.4	195.4	197.0	197.0	195.4	193.7	195.4	198.7	200.3	201.9	203.6
82.5°	177.3	179.0	179.0	179.0	170.7	167.5	172.4	175.7	179.0	180.6	183.9
85°	152.7	146.1	152.7	151.0	139.6	137.9	137.9	139.6	142.8	139.6	139.6
87.5°	98.5	88.7	93.6	93.6	82.1	67.3	85.4	91.9	82.1	87.0	87.0
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: P159141

CATALOG NUMBER: VST-E08-LED-E-U-SLR-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2656.4	2653.1	2654.7	2654.7	2658.0	2653.1	2659.7	2666.2	2667.9	2667.9	2669.5
5°	2690.9	2687.6	2699.1	2694.1	2705.6	2704.0	2712.2	2718.8	2722.1	2722.1	2722.1
7.5°	2745.0	2756.5	2763.1	2781.2	2782.8	2792.6	2800.9	2809.1	2805.8	2807.4	2805.8
10°	2805.8	2820.6	2837.0	2855.0	2856.7	2868.2	2881.3	2889.5	2886.2	2884.6	2879.7
12.5°	2858.3	2868.2	2887.9	2905.9	2915.8	2933.8	2947.0	2953.5	2953.5	2948.6	2943.7
15°	2855.0	2869.8	2891.2	2917.4	2935.5	2961.8	2984.7	2999.5	3001.2	2996.2	2994.6
17.5°	2782.8	2804.1	2823.8	2860.0	2892.8	2928.9	2966.7	2988.0	3007.7	3019.2	3025.8
20°	2653.1	2679.4	2707.3	2754.9	2799.2	2846.8	2891.2	2922.3	2951.9	2986.4	3027.4
22.5°	2500.4	2539.8	2579.2	2640.0	2694.1	2748.3	2799.2	2837.0	2882.9	2942.0	3019.2
25°	2321.5	2362.5	2411.8	2482.4	2551.3	2630.1	2705.6	2781.2	2869.8	2971.6	3091.5
27.5°	2109.7	2155.6	2219.7	2305.0	2383.8	2464.3	2582.5	2702.4	2846.8	2978.2	3114.4
30°	1899.5	1958.6	2027.6	2113.0	2191.8	2306.7	2424.9	2572.7	2725.3	2873.1	3035.6
32.5°	1673.0	1746.8	1832.2	1902.8	1991.5	2108.0	2226.2	2383.8	2546.4	2720.4	2899.4
35°	1454.6	1525.2	1592.5	1671.3	1760.0	1870.0	1984.9	2135.9	2341.2	2526.7	2740.1
37.5°	1233.0	1298.6	1346.3	1408.6	1485.8	1607.3	1730.4	1904.5	2098.2	2326.4	2539.8
40°	1039.2	1093.4	1147.6	1196.8	1262.5	1377.4	1508.8	1679.5	1870.0	2091.6	2329.7
42.5°	884.9	926.0	985.1	1044.2	1100.0	1198.5	1321.6	1489.1	1677.9	1904.5	2142.5
45°	755.2	783.1	830.7	880.0	948.9	1031.0	1149.2	1320.0	1512.1	1740.3	1991.5
47.5°	661.6	674.8	707.6	758.5	822.5	903.0	1004.8	1159.1	1346.3	1576.1	1840.4
50°	597.6	612.4	628.8	671.5	728.9	811.0	894.8	1029.4	1200.1	1425.1	1687.7
52.5°	553.3	559.8	566.4	592.7	645.2	714.2	802.8	904.6	1077.0	1292.1	1528.5
55°	527.0	528.6	533.6	546.7	586.1	650.1	727.3	824.2	958.8	1162.4	1403.7
57.5°	495.8	499.1	504.0	512.2	536.9	594.3	660.0	738.8	850.4	1021.2	1252.7
60°	466.3	474.5	482.7	487.6	500.7	535.2	591.0	653.4	743.7	871.8	1055.7
62.5°	435.1	444.9	451.5	456.4	461.3	482.7	523.7	564.8	620.6	704.3	842.2
65°	407.2	413.7	418.7	421.9	425.2	431.8	449.8	466.3	482.7	533.6	633.7
67.5°	376.0	379.2	380.9	382.5	380.9	380.9	382.5	389.1	395.7	415.4	463.0
70°	339.8	344.8	344.8	346.4	346.4	341.5	341.5	341.5	341.5	346.4	372.7
72.5°	305.4	311.9	311.9	313.6	311.9	310.3	310.3	310.3	315.2	318.5	328.4
75°	272.5	279.1	277.5	279.1	280.7	280.7	284.0	285.7	290.6	292.2	298.8
77.5°	239.7	244.6	246.3	244.6	247.9	251.2	257.8	261.0	262.7	264.3	266.0
80°	208.5	211.8	210.1	205.2	213.4	218.4	228.2	239.7	236.4	238.1	241.3
82.5°	172.4	167.5	164.2	167.5	172.4	179.0	188.8	203.6	205.2	213.4	211.8
85°	133.0	118.2	116.6	124.8	123.1	131.3	147.8	159.3	169.1	177.3	169.1
87.5°	78.8	70.6	59.1	55.8	60.7	80.4	83.7	101.8	110.0	113.3	101.8
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: VST-E08-LED-E-U-SLR-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2.5°	2818.9	2827.1	2827.1	2830.4	2835.3	2837.0	2843.5	2855.0	2856.7	2856.7	2861.6
5°	2871.5	2879.7	2879.7	2886.2	2887.9	2896.1	2904.3	2917.4	2924.0	2922.3	2943.7
7.5°	2956.8	2950.3	2945.3	2955.2	2960.1	2970.0	2986.4	2997.9	3009.4	3027.4	3057.0
10°	3029.1	3019.2	3014.3	3020.9	3024.1	3035.6	3045.5	3061.9	3089.8	3117.7	3153.8
12.5°	3088.2	3076.7	3063.5	3066.8	3071.7	3086.5	3102.9	3124.3	3165.3	3201.4	3255.6
15°	3137.4	3121.0	3107.9	3114.4	3125.9	3145.6	3173.5	3211.3	3278.6	3341.0	3413.2
17.5°	3185.0	3181.7	3176.8	3198.2	3206.4	3252.3	3293.4	3362.3	3454.3	3547.9	3651.3
20°	3231.0	3267.1	3285.2	3327.9	3354.1	3416.5	3478.9	3562.6	3679.2	3807.3	3948.5
22.5°	3295.0	3393.5	3454.3	3541.3	3585.6	3652.9	3744.9	3854.9	3984.6	4148.7	4329.3
25°	3447.7	3592.2	3713.7	3849.9	3961.6	4065.0	4175.0	4308.0	4495.2	4644.6	4881.0
27.5°	3515.0	3718.6	3900.8	4092.9	4260.4	4419.6	4593.7	4754.6	4976.2	5178.1	5463.8
30°	3451.0	3680.8	3917.3	4168.5	4413.1	4654.4	4907.2	5153.5	5409.6	5692.0	5995.7
32.5°	3332.8	3590.5	3856.5	4152.0	4455.8	4769.3	5097.7	5455.6	5816.8	6168.1	6478.4
35°	3212.9	3490.4	3785.9	4124.1	4482.0	4871.1	5278.3	5731.4	6209.2	6654.1	7059.6
37.5°	3038.9	3344.3	3682.5	4073.2	4498.4	4977.8	5501.6	6059.8	6663.9	7276.3	7808.3
40°	2828.8	3152.2	3521.6	3971.4	4482.0	5087.8	5769.2	6485.0	7261.5	8008.5	8662.0
42.5°	2636.7	2951.9	3345.9	3835.2	4439.3	5184.7	6023.6	6915.1	7834.5	8670.2	9523.9
45°	2467.6	2815.6	3211.3	3739.9	4418.0	5266.8	6212.5	7236.9	8289.3	9284.2	10292.2
47.5°	2313.3	2674.4	3117.7	3687.4	4408.1	5316.0	6343.8	7447.1	8612.7	9755.4	10926.0
50°	2154.0	2505.3	2979.8	3630.0	4383.5	5314.4	6412.7	7589.9	8839.3	10121.5	11362.7
52.5°	1983.3	2336.2	2812.3	3524.9	4331.0	5284.9	6430.8	7686.8	9018.2	10346.4	11733.7
55°	1827.3	2157.3	2633.4	3349.2	4221.0	5212.6	6389.8	7727.8	9144.7	10569.7	11994.8
57.5°	1648.3	1991.5	2444.6	3107.9	4014.1	5084.6	6273.2	7670.3	9180.8	10719.1	12201.6
60°	1402.1	1738.6	2204.9	2822.2	3690.7	4813.7	6056.5	7496.3	9065.8	10745.4	12349.4
62.5°	1119.7	1410.3	1860.1	2428.2	3235.9	4388.4	5655.9	7105.6	8707.9	10499.1	12273.9
65°	832.4	1026.1	1413.6	1912.7	2708.9	3748.2	5010.7	6450.5	8008.5	9814.5	11799.4
67.5°	579.5	719.1	957.2	1328.2	1970.1	2894.4	4089.6	5427.7	6926.6	8547.0	10814.3
70°	438.4	502.4	632.1	838.9	1275.7	1971.8	2973.2	4165.2	5555.7	7117.1	9253.0
72.5°	374.3	407.2	479.4	574.6	781.5	1198.5	1866.7	2866.5	4099.5	5370.2	7099.0
75°	336.6	364.5	410.4	471.2	553.3	727.3	1095.1	1814.2	2715.5	3597.1	4953.2
77.5°	305.4	330.0	371.0	402.2	446.6	523.7	697.8	1085.2	1627.0	2223.0	3073.4
80°	272.5	287.3	325.1	356.3	390.7	435.1	500.7	681.3	934.2	1316.7	1812.5
82.5°	233.1	244.6	272.5	315.2	341.5	359.5	379.2	451.5	559.8	714.2	1006.4
85°	180.6	188.8	213.4	244.6	256.1	257.8	261.0	280.7	348.1	535.2	866.9
87.5°	91.9	101.8	128.1	137.9	116.6	126.4	128.1	136.3	180.6	293.9	298.8
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°	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	0°
2.5°	2861.6	2866.5	2878.0	2876.4	2884.6	2884.6	2884.6	2892.8	2887.9	2892.8	2901.0	2.5°
5°	2943.7	2951.9	2968.3	2968.3	2970.0	2974.9	2974.9	2981.5	2973.2	2970.0	2971.6	5°
7.5°	3063.5	3076.7	3089.8	3102.9	3112.8	3109.5	3109.5	3094.7	3091.5	3080.0	3065.2	7.5°
10°	3180.1	3216.2	3240.9	3263.8	3265.5	3262.2	3237.6	3232.6	3209.7	3194.9	3194.9	10°
12.5°	3300.0	3345.9	3385.3	3410.0	3424.7	3429.7	3429.7	3406.7	3387.0	3352.5	3352.5	12.5°
15°	3477.3	3557.7	3618.5	3644.7	3666.1	3690.7	3697.3	3679.2	3652.9	3648.0	3648.0	15°
17.5°	3758.0	3833.5	3914.0	3984.6	4032.2	4076.5	4073.2	4111.0	4081.4	4073.2	4073.2	17.5°
20°	4091.3	4255.5	4339.2	4432.8	4487.0	4513.2	4608.4	4578.9	4606.8	4654.4	4606.8	20°
22.5°	4508.3	4716.8	4838.3	4966.4	5055.0	5119.0	5188.0	5242.2	5317.7	5353.8	5321.0	22.5°
25°	5061.6	5299.6	5444.1	5621.4	5762.6	5877.5	5997.4	6141.9	6140.2	6227.2	6288.0	25°
27.5°	5696.9	6000.7	6210.8	6522.7	6644.2	6838.0	7043.2	7266.5	7305.9	7419.2	7476.6	27.5°
30°	6294.5	6670.5	7087.5	7458.6	7878.8	8166.2	8404.2	8561.8	8799.9	8740.8	8707.9	30°
32.5°	6846.2	7346.9	7941.2	8550.3	9216.9	9671.7	10092.0	10287.3	10435.1	10121.5	9706.1	32.5°
35°	7562.0	8161.2	8840.9	9592.9	10440.0	11085.2	11518.6	11579.4	11495.7	11093.4	10405.5	35°
37.5°	8448.5	9077.3	9850.6	10645.2	11544.9	12150.7	12644.9	12733.6	12511.9	11794.5	11072.1	37.5°
40°	9323.6	10060.8	10899.7	11840.4	12773.0	13439.5	13935.3	13961.6	13600.4	12761.5	11916.0	40°
42.5°	10280.8	11086.9	12021.0	13063.6	14027.3	14702.0	15059.9	15173.2	14662.6	13587.3	12776.2	42.5°
45°	11106.6	12070.3	13111.2	14219.4	15227.4	15867.7	16232.2	16196.0	15578.7	14516.5	13565.9	45°
47.5°	11911.0	12971.6	14068.3	15245.5	16246.9	16893.8	17268.1	17235.3	16452.2	15229.0	14183.2	47.5°
50°	12626.8	13777.7	14949.9	16207.5	17205.7	17798.4	18256.5	18112.0	17122.0	15802.0	14580.5	50°
52.5°	13124.3	14408.2	15632.9	16992.3	18020.1	18581.5	19164.4	18699.7	17517.7	16153.4	14794.0	52.5°
55°	13439.5	14841.6	16118.9	17622.7	18632.4	19303.9	19679.9	19019.9	17670.4	16250.2	14867.9	55°
57.5°	13652.9	15079.6	16404.6	17987.2	19184.1	19747.2	19839.1	19031.4	17571.9	16097.5	14794.0	57.5°
60°	13758.0	15150.2	16534.3	18243.3	19571.5	19880.2	19712.7	18765.4	17232.0	15649.3	14317.9	60°
62.5°	13746.5	15061.6	16466.9	18328.7	19648.7	19688.1	19307.2	18312.3	16606.5	14708.6	13526.5	62.5°
65°	13454.3	14738.2	16087.7	18011.8	19289.1	19120.0	18640.6	17461.9	15389.9	13480.6	12883.0	65°
67.5°	12612.1	13843.4	15096.1	16974.2	18276.2	18112.0	17386.3	15790.5	13976.4	12393.7	12071.9	67.5°
70°	11203.4	12247.6	13347.6	14997.6	16363.5	16141.9	14872.8	13902.5	12575.9	11137.8	11026.1	70°
72.5°	9366.3	10157.6	10955.5	12183.6	13124.3	12671.2	11873.3	11822.4	10750.3	9652.0	9674.9	72.5°
75°	7325.6	7919.9	8292.6	9015.0	9640.5	9234.9	9282.6	9564.9	9212.0	8346.8	8066.0	75°
77.5°	5307.8	5877.5	5995.7	6424.2	6864.2	7325.6	7936.3	8601.2	8712.9	8226.9	7209.0	77.5°
80°	3474.0	4101.1	3868.0	4020.7	4639.6	5481.9	6596.6	7691.7	8067.7	7630.9	6378.3	80°
82.5°	2048.9	2927.3	2556.2	2817.3	3209.7	3943.5	4713.5	5539.3	6168.1	5703.5	5327.5	82.5°
85°	1556.4	2308.3	2444.6	2761.5	2889.5	2920.7	3055.3	3324.6	3649.7	3771.1	3761.3	85°
87.5°	811.0	1794.5	2014.5	1863.4	1738.6	1507.1	1175.5	1265.8	1157.4	1582.7	1498.9	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°
2743.4	2743.4	2743.4	2743.4	2743.4	2743.4	2743.4
2902.6	2897.7	2901.0	2902.6	2902.6	2902.6	2905.9
2970.0	2956.8	2951.9	2951.9	2950.3	2945.3	2943.7
3042.2	3019.2	3011.0	3001.2	2992.9	2988.0	2979.8
3171.9	3152.2	3111.2	3088.2	3066.8	3052.0	3038.9
3345.9	3318.0	3278.6	3249.1	3216.2	3206.4	3190.0
3615.2	3590.5	3556.1	3523.2	3503.5	3469.1	3444.4
4035.5	3986.2	3951.7	3909.1	3861.4	3790.8	3756.4
4588.7	4490.2	4421.3	4383.5	4288.3	4276.8	4193.1
5224.1	5194.6	5089.5	5043.5	4951.6	4915.5	4784.1
6174.7	6151.7	5936.6	5913.7	5772.5	5667.4	5463.8
7424.1	7235.3	6992.3	6823.2	6581.9	6311.0	5964.5
8515.9	8130.0	7759.0	7365.0	7031.7	6642.6	6250.2
9212.0	8694.8	8217.1	7813.2	7401.1	6938.1	6434.1
9822.7	9300.6	8780.2	8302.4	7803.3	7210.6	6588.4
10553.3	10034.5	9448.4	8776.9	8136.6	7410.9	6650.8
11301.9	10694.5	9962.3	9139.7	8335.3	7509.5	6639.3
12068.6	11292.1	10318.5	9381.1	8461.7	7524.2	6562.1
12690.9	11709.1	10582.8	9504.2	8487.9	7473.3	6465.3
13130.9	11976.7	10701.0	9546.9	8455.1	7392.9	6333.9
13382.1	12122.8	10730.6	9515.7	8387.8	7278.0	6191.1
13474.0	12167.1	10701.0	9451.7	8327.1	7154.8	6091.0
13464.1	12142.5	10592.7	9302.3	8164.5	6990.7	5967.8
13278.6	11914.3	10371.1	9123.3	8026.6	6915.1	5976.0
12963.4	11769.8	10305.4	9159.4	8098.8	7077.7	6235.4
12820.6	12058.8	10674.8	9520.6	8469.9	7542.3	6770.7
12740.1	12528.3	11203.4	9909.7	8909.9	8105.4	7409.3
12411.8	12663.0	11503.9	10131.4	9302.3	8670.2	8048.0
11881.5	12349.4	11275.7	10088.7	9519.0	9103.6	8277.8
10774.9	11269.1	10259.4	9459.9	9248.1	9110.2	7933.0
8729.3	8985.4	8410.8	8230.2	8309.0	8310.6	6654.1
6437.4	6283.0	6023.6	6036.8	6567.1	6485.0	4743.1
5255.3	4301.4	3933.7	4073.2	4728.3	4375.3	2979.8
4890.8	3836.8	3167.0	3199.8	3570.8	2818.9	1794.5
3955.0	3497.0	2804.1	2516.8	2443.0	1878.2	1218.2
1654.9	1521.9	1132.8	1021.2	837.3	512.2	233.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)