

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: P159131

Luminaire Tested: **VST-E07-LED-E-U-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159131
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-E07-LED-E-U-SLR-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (147) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19302 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 172.5
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

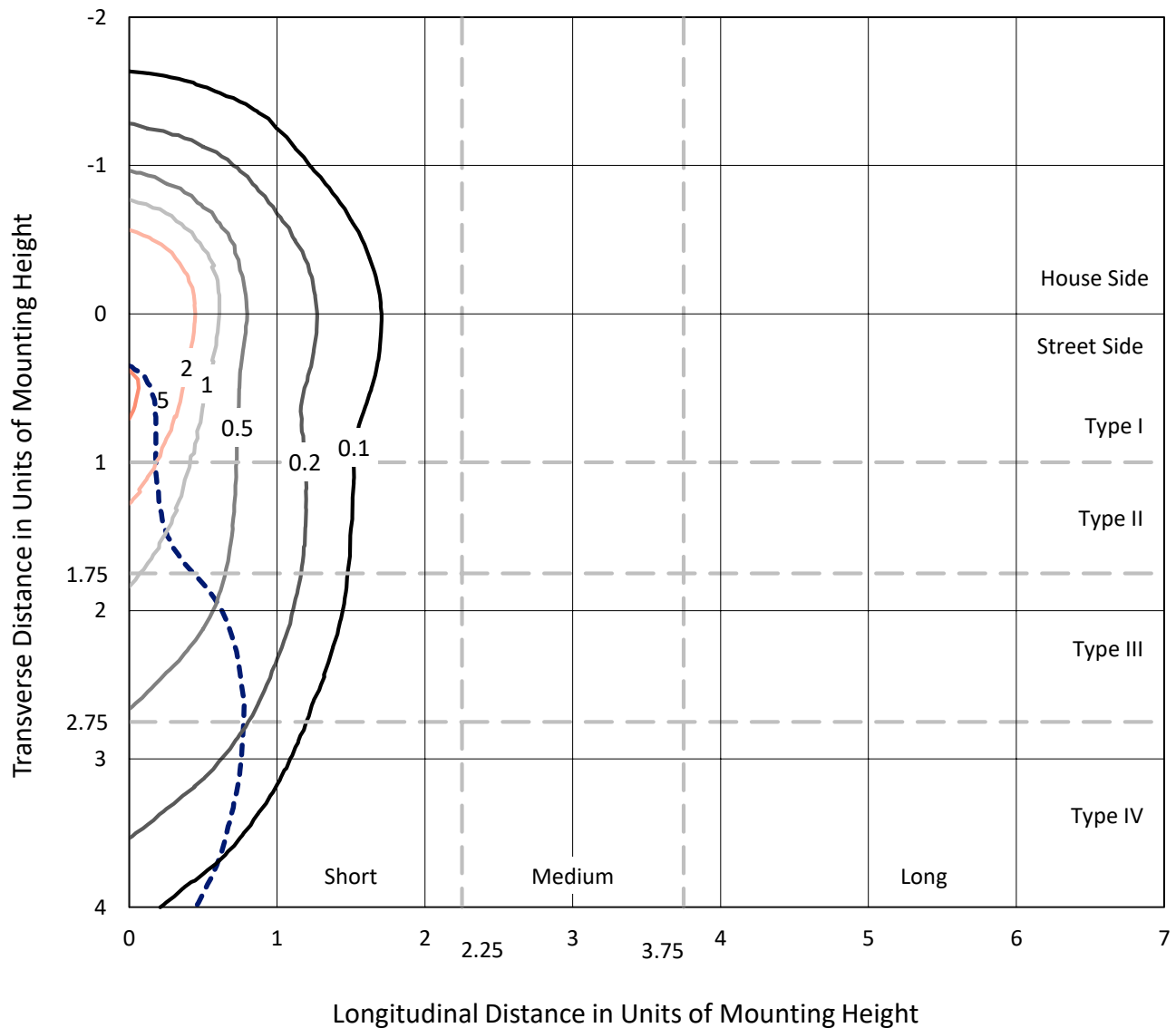


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

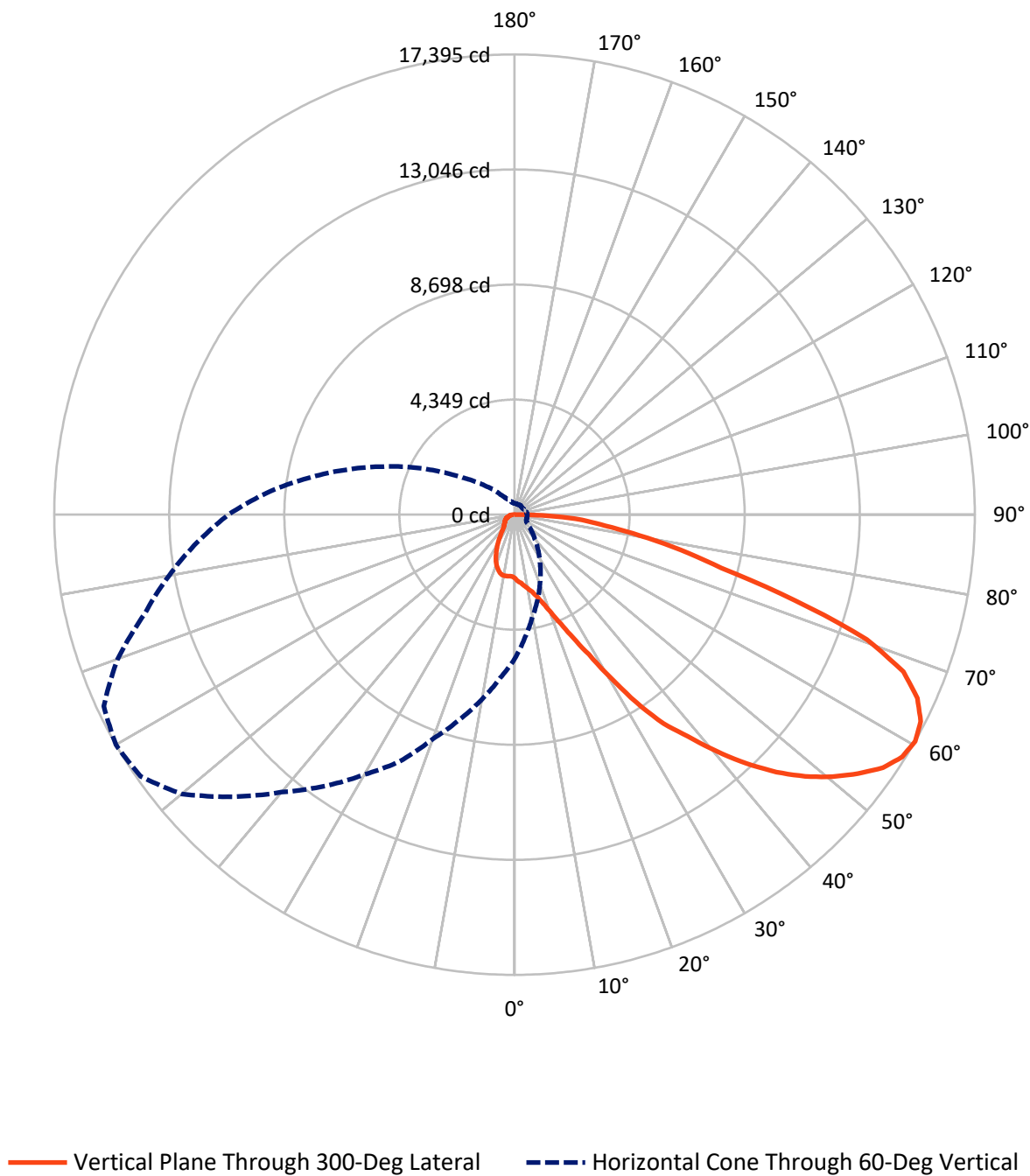


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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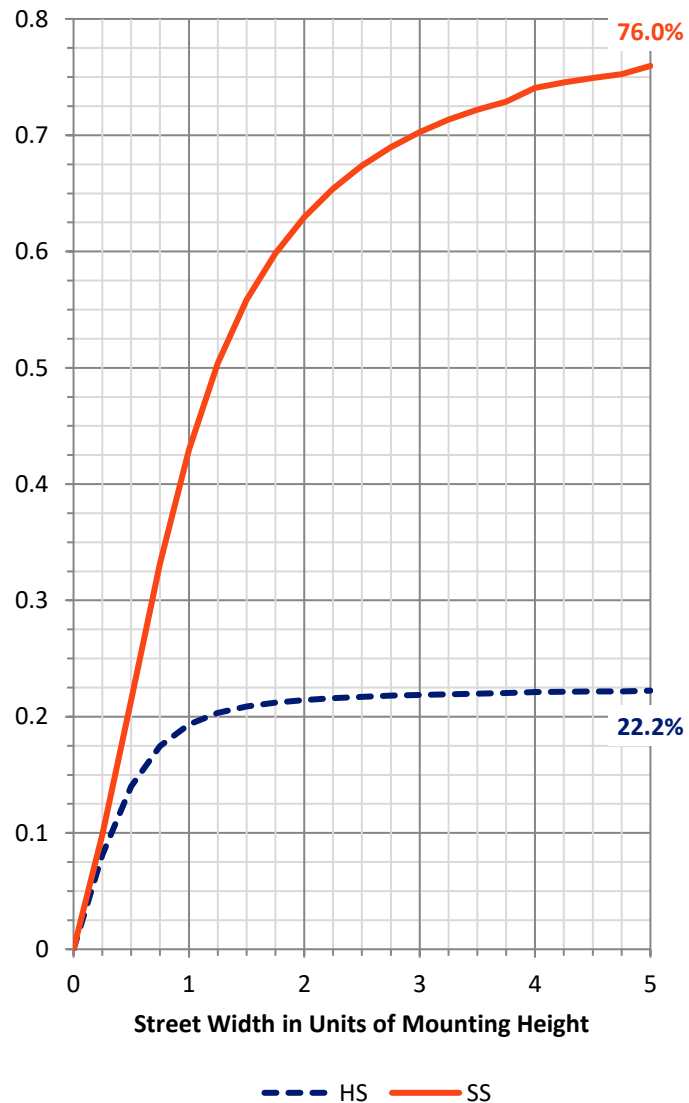
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4346.2	0.0	4346.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	14955.8	0.0	14955.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	19302.0	0.0	19302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.8	1.2
10°-20°	764.7	4.0
20°-30°	1451.0	7.5
30°-40°	2285.1	11.8
40°-50°	3189.4	16.5
50°-60°	3944.5	20.4
60°-70°	4088.7	21.2
70°-80°	2572.8	13.3
80°-90°	769.1	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°	19302.0	100.0
0°-180°	19302.0	100.0

Coefficient of Utilization



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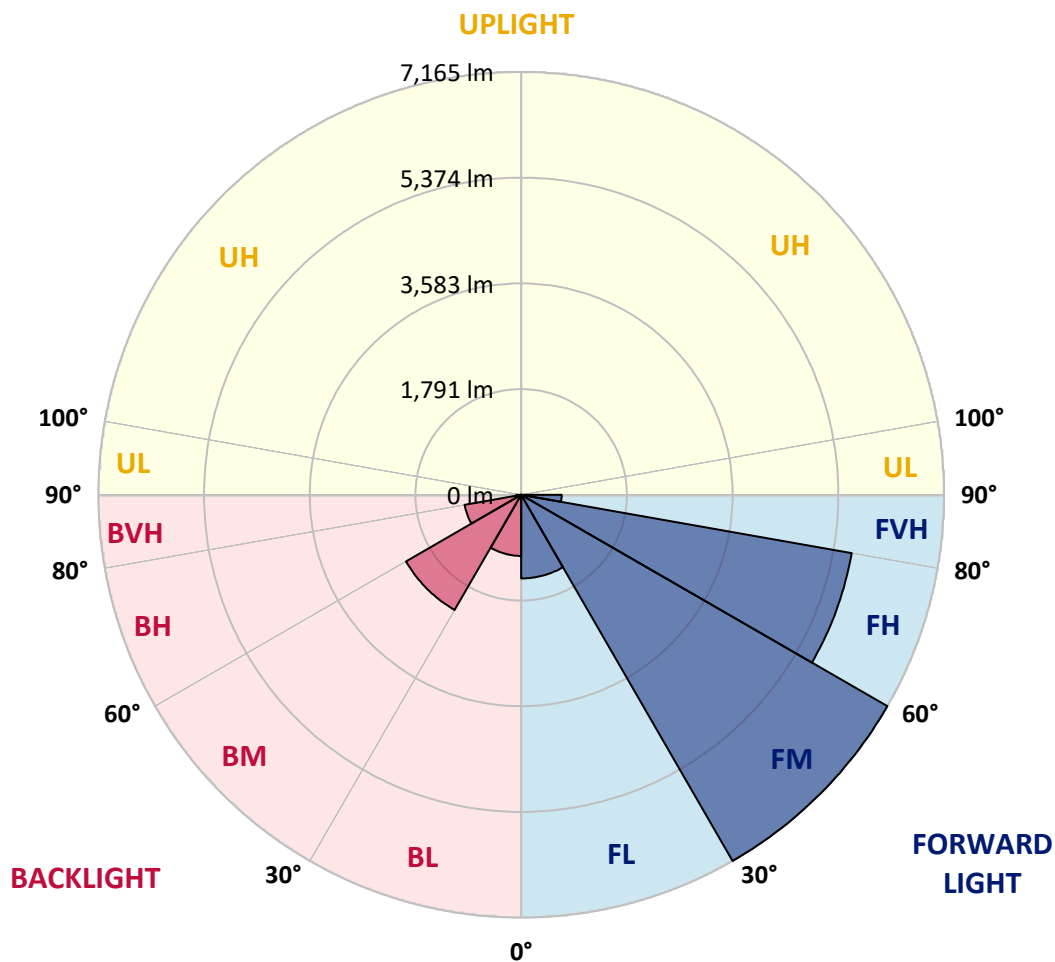
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1417.1	7.3			
FM	(30°-60°)	7165.2	37.1			
FH	(60°-80°)	5688.1	29.5			G3/7500
FVH	(80°-90°)	685.4	3.6			G4/750
BL	(0°-30°)	1035.4	5.4	B3/2500		
BM	(30°-60°)	2253.8	11.7	B2/2500		
BH	(60°-80°)	973.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	83.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2542.7	2390.4	2393.3	2389.0	2389.0	2386.1	2389.0	2386.1	2383.2	2383.2	2384.7
5°	2575.7	2407.7	2407.7	2403.3	2400.5	2397.6	2400.5	2397.6	2396.2	2393.3	2394.7
7.5°	2607.3	2417.7	2412.0	2406.2	2399.0	2401.9	2401.9	2400.5	2401.9	2400.5	2403.3
10°	2659.0	2450.8	2436.4	2423.5	2422.0	2419.1	2419.1	2414.8	2414.8	2412.0	2413.4
12.5°	2791.2	2552.7	2536.9	2514.0	2509.6	2496.7	2489.5	2480.9	2466.6	2453.6	2443.6
15°	3013.9	2722.3	2692.1	2672.0	2663.4	2637.5	2597.3	2565.7	2524.0	2488.1	2450.8
17.5°	3286.8	2949.2	2913.3	2887.5	2844.4	2774.0	2706.5	2628.9	2548.4	2475.2	2407.7
20°	3668.9	3275.3	3204.9	3143.2	3035.4	2914.8	2788.3	2653.3	2529.8	2414.8	2315.7
22.5°	4186.1	3696.2	3565.5	3400.3	3200.6	2996.6	2795.5	2608.8	2443.6	2294.2	2162.0
25°	4780.8	4098.5	3862.9	3578.4	3272.5	2990.9	2726.6	2486.7	2294.2	2101.7	1958.0
27.5°	5219.0	4434.6	4087.0	3713.5	3322.7	2963.6	2638.9	2348.8	2116.0	1919.2	1745.4
30°	5468.9	4627.1	4209.1	3770.9	3331.4	2917.6	2528.3	2192.2	1923.5	1689.4	1522.7
32.5°	5629.8	4730.6	4222.0	3713.5	3227.9	2781.2	2360.2	2011.2	1719.5	1469.6	1292.9
35°	5764.9	4772.2	4161.7	3585.6	3032.6	2574.3	2144.8	1795.7	1486.8	1257.0	1076.0
37.5°	5819.5	4765.0	4065.4	3414.7	2841.5	2348.8	1925.0	1567.3	1291.5	1088.9	933.8
40°	5809.4	4698.9	3934.7	3232.2	2617.4	2113.2	1692.3	1377.6	1153.5	982.6	869.1
42.5°	5741.9	4611.3	3789.6	3046.9	2412.0	1917.8	1534.2	1255.5	1074.5	945.2	846.1
45°	5657.1	4506.4	3657.5	2877.4	2249.6	1778.4	1442.3	1221.1	1064.5	940.9	834.6
47.5°	5542.2	4390.1	3523.9	2756.7	2163.4	1736.8	1440.9	1241.2	1073.1	930.9	814.5
50°	5417.2	4305.3	3450.6	2705.0	2153.4	1762.6	1491.1	1272.8	1078.8	920.8	787.2
52.5°	5329.6	4268.0	3449.2	2723.7	2206.5	1834.5	1550.0	1313.0	1100.4	926.6	781.5
55°	5221.9	4262.2	3486.5	2804.1	2322.9	1956.6	1643.4	1382.0	1144.9	948.1	785.8
57.5°	5229.0	4375.7	3631.6	3002.4	2532.6	2121.8	1762.6	1466.7	1188.0	961.1	778.6
60°	5456.0	4640.0	3917.5	3341.4	2807.0	2315.7	1884.8	1512.7	1185.2	932.3	744.1
62.5°	5924.3	5036.5	4345.6	3739.3	3085.7	2465.1	1929.3	1499.8	1142.1	870.5	688.1
65°	6483.1	5500.5	4762.2	4048.2	3255.2	2499.6	1890.5	1427.9	1055.9	790.1	620.6
67.5°	7042.0	5829.5	5002.1	4135.8	3186.3	2360.2	1746.8	1267.0	909.3	680.9	544.5
70°	7243.1	5897.0	4983.4	3939.0	2873.1	2014.0	1438.0	1019.9	729.8	557.4	458.3
72.5°	6941.4	5474.7	4430.3	3347.2	2335.8	1561.5	1054.4	752.8	557.4	436.7	373.5
75°	5822.3	4408.8	3502.3	2521.1	1686.5	1104.7	761.4	548.8	419.5	346.2	298.8
77.5°	4150.2	3069.9	2386.1	1656.3	1094.6	765.7	545.9	412.3	333.3	277.3	242.8
80°	2607.3	1884.8	1453.8	994.1	682.4	520.0	392.2	326.1	268.6	225.5	202.6
82.5°	1570.1	1097.5	856.2	617.7	448.2	356.3	288.7	255.7	214.0	186.8	173.8
85°	1065.9	807.3	561.7	364.9	270.1	209.7	196.8	176.7	159.5	133.6	129.3
87.5°	204.0	288.7	251.4	149.4	99.1	84.8	74.7	71.8	64.6	51.7	58.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2376.0	2373.2	2367.4	2367.4	2363.1	2354.5	2353.1	2347.3	2340.1	2341.6	2340.1
5°	2384.7	2378.9	2371.7	2368.9	2363.1	2354.5	2350.2	2343.0	2335.8	2335.8	2335.8
7.5°	2394.7	2387.5	2381.8	2371.7	2360.2	2351.6	2340.1	2331.5	2327.2	2325.8	2327.2
10°	2403.3	2399.0	2390.4	2376.0	2360.2	2343.0	2331.5	2320.0	2308.5	2310.0	2311.4
12.5°	2422.0	2407.7	2384.7	2363.1	2338.7	2317.2	2297.0	2282.7	2268.3	2268.3	2269.7
15°	2409.1	2367.4	2335.8	2294.2	2266.9	2232.4	2209.4	2196.5	2187.9	2185.0	2186.4
17.5°	2333.0	2282.7	2235.3	2197.9	2160.6	2133.3	2123.2	2114.6	2103.1	2108.9	2103.1
20°	2218.0	2156.3	2088.7	2044.2	1999.7	1981.0	1963.8	1955.1	1948.0	1973.8	1973.8
22.5°	2052.8	1978.1	1909.2	1854.6	1804.3	1784.2	1767.0	1756.9	1761.2	1792.8	1795.7
25°	1844.5	1754.0	1663.5	1630.5	1580.2	1564.4	1554.3	1552.9	1557.2	1588.8	1596.0
27.5°	1623.3	1528.5	1450.9	1374.8	1351.8	1338.9	1320.2	1341.7	1346.0	1380.5	1394.9
30°	1387.7	1285.7	1203.8	1153.5	1104.7	1111.9	1096.1	1121.9	1133.4	1169.3	1180.8
32.5°	1146.4	1050.1	968.2	918.0	883.5	887.8	876.3	899.3	910.8	953.9	975.4
35°	948.1	866.2	800.2	757.1	741.3	725.5	722.6	725.5	736.9	770.0	808.8
37.5°	834.6	767.1	719.7	688.1	666.6	656.5	650.8	650.8	650.8	657.9	676.6
40°	785.8	725.5	683.8	653.6	639.3	633.5	629.2	624.9	617.7	614.8	616.3
42.5°	764.2	695.3	650.8	627.8	619.2	619.2	619.2	616.3	609.1	601.9	594.7
45°	742.7	668.0	623.5	607.7	603.4	604.8	604.8	604.8	599.0	590.4	577.5
47.5°	715.4	637.8	593.3	583.2	583.2	587.5	589.0	589.0	583.2	574.6	564.6
50°	682.4	599.0	558.8	550.2	545.9	545.9	545.9	545.9	541.6	535.8	528.6
52.5°	665.1	577.5	535.8	527.2	527.2	522.9	521.5	517.2	512.8	508.5	498.5
55°	659.4	568.9	525.8	518.6	518.6	514.3	510.0	505.7	498.5	491.3	481.2
57.5°	643.6	550.2	512.8	507.1	507.1	504.2	499.9	495.6	488.4	478.4	465.4
60°	607.7	518.6	487.0	485.6	485.6	484.1	481.2	481.2	474.1	464.0	448.2
62.5°	561.7	485.6	455.4	455.4	453.9	452.5	446.8	445.3	436.7	423.8	409.4
65°	517.2	456.8	436.7	431.0	428.1	423.8	420.9	413.7	406.5	395.1	380.7
67.5°	461.1	413.7	400.8	395.1	389.3	385.0	380.7	376.4	367.8	359.1	347.6
70°	400.8	366.3	359.1	357.7	350.5	346.2	344.8	340.5	331.8	323.2	308.9
72.5°	343.3	323.2	317.5	317.5	308.9	303.1	300.2	298.8	293.1	285.9	272.9
75°	277.3	262.9	261.5	268.6	268.6	264.3	261.5	264.3	255.7	251.4	238.5
77.5°	227.0	219.8	215.5	218.4	227.0	222.7	216.9	216.9	216.9	209.7	205.4
80°	192.5	186.8	182.4	185.3	183.9	182.4	179.6	173.8	173.8	173.8	172.4
82.5°	173.8	172.4	156.6	156.6	150.8	146.5	143.7	140.8	137.9	137.9	145.1
85°	130.7	135.0	126.4	125.0	117.8	112.1	106.3	103.4	100.6	104.9	119.2
87.5°	63.2	63.2	60.3	67.5	61.8	58.9	54.6	51.7	54.6	67.5	80.4
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°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2337.3	2335.8	2334.4	2331.5	2325.8	2324.3	2321.5	2321.5	2320.0	2317.2	2320.0
5°	2333.0	2335.8	2335.8	2334.4	2330.1	2333.0	2333.0	2337.3	2337.3	2340.1	2347.3
7.5°	2327.2	2334.4	2340.1	2344.4	2350.2	2354.5	2363.1	2376.0	2381.8	2391.9	2396.2
10°	2315.7	2328.6	2338.7	2351.6	2366.0	2381.8	2394.7	2414.8	2422.0	2436.4	2443.6
12.5°	2282.7	2304.2	2321.5	2347.3	2371.7	2396.2	2419.1	2445.0	2457.9	2473.7	2483.8
15°	2202.2	2226.6	2251.1	2274.1	2317.2	2364.6	2401.9	2436.4	2455.1	2475.2	2485.2
17.5°	2106.0	2121.8	2141.9	2172.1	2213.7	2255.4	2315.7	2364.6	2393.3	2416.3	2419.1
20°	1993.9	2016.9	2031.3	2042.8	2075.8	2104.5	2169.2	2225.2	2262.6	2289.9	2297.0
22.5°	1823.0	1847.4	1871.8	1880.4	1906.3	1943.6	1979.6	2039.9	2093.0	2133.3	2157.7
25°	1627.6	1650.6	1683.6	1709.5	1715.2	1745.4	1781.3	1850.3	1904.9	1969.5	1998.2
27.5°	1432.2	1452.3	1488.3	1502.6	1519.9	1550.0	1578.8	1636.2	1693.7	1768.4	1800.0
30°	1203.8	1246.9	1288.6	1315.9	1330.2	1366.2	1386.3	1442.3	1495.4	1550.0	1596.0
32.5°	1008.5	1047.2	1094.6	1129.1	1146.4	1173.7	1205.3	1252.7	1294.3	1347.5	1400.6
35°	828.9	882.0	913.6	943.8	988.3	1001.3	1032.9	1076.0	1100.4	1157.9	1218.2
37.5°	702.5	734.1	765.7	795.8	833.2	850.4	880.6	916.5	945.2	979.7	1034.3
40°	624.9	642.1	665.1	685.2	712.5	734.1	749.9	780.0	801.6	836.1	874.9
42.5°	589.0	593.3	596.2	610.5	624.9	639.3	656.5	669.4	695.3	721.1	745.6
45°	568.9	560.3	555.9	557.4	563.1	571.7	586.1	600.5	617.7	633.5	647.9
47.5°	551.6	540.1	527.2	520.0	521.5	524.3	535.8	547.3	555.9	568.9	574.6
50°	511.4	501.4	489.9	479.8	481.2	482.7	492.7	501.4	507.1	511.4	518.6
52.5°	485.6	471.2	461.1	451.1	449.6	453.9	462.6	471.2	474.1	476.9	478.4
55°	466.9	452.5	439.6	429.5	425.2	435.3	438.1	449.6	453.9	453.9	455.4
57.5°	452.5	435.3	422.3	412.3	405.1	412.3	419.5	432.4	433.8	431.0	431.0
60°	431.0	418.0	405.1	395.1	387.9	393.6	399.4	413.7	413.7	406.5	405.1
62.5°	393.6	386.4	377.8	373.5	372.1	377.8	382.1	393.6	389.3	380.7	377.8
65°	366.3	360.6	352.0	349.1	347.6	356.3	357.7	364.9	359.1	354.8	353.4
67.5°	333.3	329.0	324.7	323.2	318.9	318.9	321.8	326.1	323.2	323.2	324.7
70°	295.9	290.2	285.9	287.3	284.4	284.4	285.9	288.7	287.3	290.2	293.1
72.5°	261.5	254.3	252.8	252.8	250.0	251.4	251.4	252.8	255.7	257.1	264.3
75°	228.4	221.2	221.2	219.8	219.8	219.8	221.2	224.1	227.0	228.4	231.3
77.5°	198.2	193.9	195.4	193.9	193.9	193.9	193.9	198.2	199.7	201.1	205.4
80°	170.9	170.9	172.4	172.4	170.9	169.5	170.9	173.8	175.3	176.7	178.1
82.5°	155.1	156.6	156.6	156.6	149.4	146.5	150.8	153.7	156.6	158.0	160.9
85°	133.6	127.9	133.6	132.2	122.1	120.7	120.7	122.1	125.0	122.1	122.1
87.5°	86.2	77.6	81.9	81.9	71.8	58.9	74.7	80.4	71.8	76.1	76.1
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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CATALOG NUMBER: VST-E07-LED-E-U-SLR-7050

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2324.3	2321.5	2322.9	2322.9	2325.8	2321.5	2327.2	2333.0	2334.4	2334.4	2335.8
5°	2354.5	2351.6	2361.7	2357.4	2367.4	2366.0	2373.2	2378.9	2381.8	2381.8	2381.8
7.5°	2401.9	2412.0	2417.7	2433.5	2434.9	2443.6	2450.8	2457.9	2455.1	2456.5	2455.1
10°	2455.1	2468.0	2482.4	2498.2	2499.6	2509.6	2521.1	2528.3	2525.5	2524.0	2519.7
12.5°	2501.0	2509.6	2526.9	2542.7	2551.3	2567.1	2578.6	2584.3	2584.3	2580.0	2575.7
15°	2498.2	2511.1	2529.8	2552.7	2568.5	2591.5	2611.6	2624.6	2626.0	2621.7	2620.3
17.5°	2434.9	2453.6	2470.9	2502.5	2531.2	2562.8	2595.8	2614.5	2631.8	2641.8	2647.6
20°	2321.5	2344.4	2368.9	2410.5	2449.3	2491.0	2529.8	2557.1	2582.9	2613.1	2649.0
22.5°	2187.9	2222.3	2256.8	2310.0	2357.4	2404.8	2449.3	2482.4	2522.6	2574.3	2641.8
25°	2031.3	2067.2	2110.3	2172.1	2232.4	2301.3	2367.4	2433.5	2511.1	2600.2	2705.0
27.5°	1846.0	1886.2	1942.2	2016.9	2085.9	2156.3	2259.7	2364.6	2491.0	2605.9	2725.1
30°	1662.1	1713.8	1774.1	1848.8	1917.8	2018.3	2121.8	2251.1	2384.7	2514.0	2656.2
32.5°	1463.8	1528.5	1603.2	1665.0	1742.5	1844.5	1948.0	2085.9	2228.1	2380.4	2536.9
35°	1272.8	1334.6	1393.5	1462.4	1540.0	1636.2	1736.8	1868.9	2048.5	2210.8	2397.6
37.5°	1078.8	1136.3	1178.0	1232.6	1300.1	1406.4	1514.1	1666.4	1835.9	2035.6	2222.3
40°	909.3	956.7	1004.1	1047.2	1104.7	1205.3	1320.2	1469.6	1636.2	1830.2	2038.5
42.5°	774.3	810.2	861.9	913.6	962.5	1048.7	1156.4	1302.9	1468.2	1666.4	1874.7
45°	660.8	685.2	726.9	770.0	830.3	902.2	1005.6	1155.0	1323.1	1522.7	1742.5
47.5°	578.9	590.4	619.2	663.7	719.7	790.1	879.2	1014.2	1178.0	1379.1	1610.4
50°	522.9	535.8	550.2	587.5	637.8	709.7	782.9	900.7	1050.1	1246.9	1476.8
52.5°	484.1	489.9	495.6	518.6	564.6	624.9	702.5	791.5	942.4	1130.6	1337.4
55°	461.1	462.6	466.9	478.4	512.8	568.9	636.4	721.1	838.9	1017.1	1228.2
57.5°	433.8	436.7	441.0	448.2	469.8	520.0	577.5	646.4	744.1	893.5	1096.1
60°	408.0	415.2	422.3	426.7	438.1	468.3	517.2	571.7	650.8	762.8	923.7
62.5°	380.7	389.3	395.1	399.4	403.7	422.3	458.3	494.2	543.0	616.3	736.9
65°	356.3	362.0	366.3	369.2	372.1	377.8	393.6	408.0	422.3	466.9	554.5
67.5°	329.0	331.8	333.3	334.7	333.3	333.3	334.7	340.5	346.2	363.4	405.1
70°	297.4	301.7	301.7	303.1	303.1	298.8	298.8	298.8	298.8	303.1	326.1
72.5°	267.2	272.9	272.9	274.4	272.9	271.5	271.5	271.5	275.8	278.7	287.3
75°	238.5	244.2	242.8	244.2	245.6	245.6	248.5	250.0	254.3	255.7	261.5
77.5°	209.7	214.0	215.5	214.0	216.9	219.8	225.5	228.4	229.8	231.3	232.7
80°	182.4	185.3	183.9	179.6	186.8	191.1	199.7	209.7	206.9	208.3	211.2
82.5°	150.8	146.5	143.7	146.5	150.8	156.6	165.2	178.1	179.6	186.8	185.3
85°	116.4	103.4	102.0	109.2	107.7	114.9	129.3	139.3	148.0	155.1	148.0
87.5°	69.0	61.8	51.7	48.8	53.2	70.4	73.3	89.1	96.2	99.1	89.1
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: P159131

CATALOG NUMBER: VST-E07-LED-E-U-SLR-7050

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2.5°	2466.6	2473.7	2473.7	2476.6	2480.9	2482.4	2488.1	2498.2	2499.6	2499.6	2503.9
5°	2512.5	2519.7	2519.7	2525.5	2526.9	2534.1	2541.3	2552.7	2558.5	2557.1	2575.7
7.5°	2587.2	2581.5	2577.2	2585.8	2590.1	2598.7	2613.1	2623.1	2633.2	2649.0	2674.9
10°	2650.4	2641.8	2637.5	2643.2	2646.1	2656.2	2664.8	2679.2	2703.6	2728.0	2759.6
12.5°	2702.1	2692.1	2680.6	2683.5	2687.8	2700.7	2715.1	2733.8	2769.7	2801.3	2848.7
15°	2745.2	2730.9	2719.4	2725.1	2735.2	2752.4	2776.8	2809.9	2868.8	2923.4	2986.6
17.5°	2786.9	2784.0	2779.7	2798.4	2805.6	2845.8	2881.7	2942.0	3022.5	3104.4	3194.9
20°	2827.1	2858.7	2874.5	2911.9	2934.9	2989.5	3044.0	3117.3	3219.3	3331.4	3454.9
22.5°	2883.2	2969.3	3022.5	3098.6	3137.4	3196.3	3276.8	3373.0	3486.5	3630.2	3788.2
25°	3016.8	3143.2	3249.5	3368.7	3466.4	3556.9	3653.1	3769.5	3933.3	4064.0	4270.9
27.5°	3075.6	3253.8	3413.2	3581.3	3727.8	3867.2	4019.5	4160.2	4354.2	4530.9	4780.8
30°	3019.6	3220.7	3427.6	3647.4	3861.4	4072.6	4293.8	4509.3	4733.4	4980.5	5246.3
32.5°	2916.2	3141.7	3374.5	3633.0	3898.8	4173.2	4460.5	4773.6	5089.7	5397.1	5668.6
35°	2811.3	3054.1	3312.7	3608.6	3921.8	4262.2	4618.5	5015.0	5433.0	5822.3	6177.2
37.5°	2659.0	2926.2	3222.2	3564.1	3936.1	4355.6	4813.9	5302.3	5830.9	6366.8	6832.2
40°	2475.2	2758.2	3081.4	3475.0	3921.8	4451.9	5048.0	5674.4	6353.9	7007.5	7579.2
42.5°	2307.1	2582.9	2927.7	3355.8	3884.4	4536.6	5270.7	6050.7	6855.2	7586.4	8333.4
45°	2159.1	2463.7	2809.9	3272.5	3865.7	4608.4	5435.9	6332.3	7253.1	8123.7	9005.7
47.5°	2024.1	2340.1	2728.0	3226.5	3857.1	4651.5	5550.8	6516.2	7536.1	8536.0	9560.2
50°	1884.8	2192.2	2607.3	3176.2	3835.6	4650.1	5611.2	6641.2	7734.4	8856.3	9942.3
52.5°	1735.3	2044.2	2460.8	3084.3	3789.6	4624.2	5627.0	6725.9	7891.0	9053.1	10267.0
55°	1598.9	1887.6	2304.2	2930.6	3693.4	4561.0	5591.0	6761.8	8001.6	9248.5	10495.4
57.5°	1442.3	1742.5	2139.0	2719.4	3512.4	4449.0	5489.0	6711.6	8033.2	9379.2	10676.4
60°	1226.8	1521.3	1929.3	2469.4	3229.4	4212.0	5299.4	6559.3	7932.6	9402.2	10805.7
62.5°	979.7	1234.0	1627.6	2124.7	2831.4	3839.9	4948.9	6217.4	7619.4	9186.7	10739.6
65°	728.3	897.8	1236.9	1673.6	2370.3	3279.6	4384.3	5644.2	7007.5	8587.7	10324.5
67.5°	507.1	629.2	837.5	1162.2	1723.9	2532.6	3578.4	4749.2	6060.8	7478.7	9462.5
70°	383.6	439.6	553.1	734.1	1116.2	1725.3	2601.6	3644.5	4861.3	6227.4	8096.4
72.5°	327.5	356.3	419.5	502.8	683.8	1048.7	1633.4	2508.2	3587.1	4698.9	6211.6
75°	294.5	318.9	359.1	412.3	484.1	636.4	958.2	1587.4	2376.0	3147.5	4334.1
77.5°	267.2	288.7	324.7	352.0	390.7	458.3	610.5	949.6	1423.6	1945.1	2689.2
80°	238.5	251.4	284.4	311.7	341.9	380.7	438.1	596.2	817.4	1152.1	1585.9
82.5°	204.0	214.0	238.5	275.8	298.8	314.6	331.8	395.1	489.9	624.9	880.6
85°	158.0	165.2	186.8	214.0	224.1	225.5	228.4	245.6	304.5	468.3	758.5
87.5°	80.4	89.1	112.1	120.7	102.0	110.6	112.1	119.2	158.0	257.1	261.5
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: P159131
CATALOG NUMBER: VST-E07-LED-E-U-SLR-7050

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	0°
2.5°	2503.9	2508.2	2518.3	2516.8	2524.0	2524.0	2524.0	2531.2	2526.9	2531.2	2538.4	2.5°
5°	2575.7	2582.9	2597.3	2597.3	2598.7	2594.4	2603.0	2608.8	2601.6	2598.7	2600.2	5°
7.5°	2680.6	2692.1	2703.6	2715.1	2723.7	2719.4	2720.8	2707.9	2705.0	2695.0	2682.0	7.5°
10°	2782.6	2814.2	2835.7	2855.9	2857.3	2853.0	2854.4	2832.9	2828.6	2808.5	2795.5	10°
12.5°	2887.5	2927.7	2962.2	2983.7	2996.6	2999.5	3000.9	3000.9	2980.8	2963.6	2933.4	12.5°
15°	3042.6	3113.0	3166.2	3189.1	3207.8	3225.0	3229.4	3235.1	3219.3	3196.3	3192.0	15°
17.5°	3288.3	3354.3	3424.7	3486.5	3528.2	3531.0	3566.9	3564.1	3597.1	3571.3	3564.1	17.5°
20°	3579.9	3723.5	3796.8	3878.7	3926.1	3949.1	4032.4	4006.5	4031.0	4072.6	4031.0	20°
22.5°	3944.8	4127.2	4233.5	4345.6	4423.1	4479.2	4539.5	4586.9	4653.0	4684.6	4655.9	22.5°
25°	4428.9	4637.2	4763.6	4918.7	5042.3	5142.8	5247.7	5374.1	5372.7	5448.8	5502.0	25°
27.5°	4984.8	5250.6	5434.5	5707.4	5813.7	5983.2	6162.8	6358.2	6392.6	6491.8	6542.0	27.5°
30°	5507.7	5836.7	6201.6	6526.2	6894.0	7145.4	7353.7	7491.6	7699.9	7648.2	7619.4	30°
32.5°	5990.4	6428.6	6948.6	7481.5	8064.8	8462.7	8830.5	9001.4	9130.7	8856.3	8492.9	32.5°
35°	6616.7	7141.1	7735.8	8393.7	9135.0	9699.6	10078.8	10132.0	10058.7	9706.8	9104.8	35°
37.5°	7392.5	7942.7	8619.3	9314.6	10101.8	10631.9	11064.3	11141.9	10947.9	10320.2	9688.1	37.5°
40°	8158.2	8803.2	9537.2	10360.4	11176.3	11759.6	12193.4	12216.4	11900.4	11166.3	10426.5	40°
42.5°	8995.7	9701.0	10518.4	11430.6	12273.9	12864.3	13177.5	13276.6	12829.8	11888.9	11179.2	42.5°
45°	9718.2	10561.5	11472.3	12441.9	13324.0	13884.2	14203.1	14171.5	13631.4	12702.0	11870.2	45°
47.5°	10422.2	11350.2	12309.8	13339.8	14216.1	14782.1	15109.6	15080.9	14395.6	13325.4	12410.3	47.5°
50°	11048.5	12055.5	13081.2	14181.6	15055.0	15573.6	15974.4	15848.0	14981.8	13826.8	12758.0	50°
52.5°	11483.8	12607.1	13678.8	14868.3	15767.5	16258.8	16768.8	16362.3	15328.0	14134.2	12944.7	52.5°
55°	11759.6	12986.4	14104.0	15419.9	16303.4	16890.9	17219.9	16642.4	15461.6	14218.9	13009.4	55°
57.5°	11946.3	13194.7	14354.0	15738.8	16786.1	17278.8	17359.2	16652.5	15375.4	14085.3	12944.7	57.5°
60°	12038.3	13256.5	14467.5	15962.9	17125.1	17395.2	17248.6	16419.7	15078.0	13693.2	12528.1	60°
62.5°	12028.2	13178.9	14408.6	16037.6	17192.6	17227.1	16893.8	16023.3	14530.7	12870.0	11835.7	62.5°
65°	11772.5	12895.9	14076.7	15760.4	16878.0	16730.0	16310.6	15279.1	13466.2	11795.5	11272.6	65°
67.5°	11035.6	12113.0	13209.1	14852.5	15991.6	15848.0	15213.0	13816.7	12229.3	10844.5	10562.9	67.5°
70°	9803.0	10716.6	11679.1	13122.9	14318.1	14124.1	13013.7	12164.7	11004.0	9745.5	9647.9	70°
72.5°	8195.5	8887.9	9586.1	10660.6	11483.8	11087.3	10389.1	10344.6	9406.5	8445.5	8465.6	72.5°
75°	6409.9	6929.9	7256.0	7888.1	8435.4	8080.6	8122.2	8369.3	8060.5	7303.4	7057.8	75°
77.5°	4644.4	5142.8	5246.3	5621.2	6006.2	6409.9	6944.3	7526.1	7623.8	7198.5	6307.9	77.5°
80°	3039.7	3588.5	3384.5	3518.1	4059.7	4796.6	5772.0	6730.2	7059.2	6677.1	5581.0	80°
82.5°	1792.8	2561.4	2236.7	2465.1	2808.5	3450.6	4124.3	4846.9	5397.1	4990.6	4661.6	82.5°
85°	1361.8	2019.8	2139.0	2416.3	2528.3	2555.6	2673.4	2909.0	3193.4	3299.7	3291.1	85°
87.5°	709.7	1570.1	1762.6	1630.5	1521.3	1318.8	1028.6	1107.6	1012.8	1384.8	1311.6	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
2400.5	2400.5	2400.5	2400.5	2400.5	2400.5	2400.5
2539.8	2535.5	2538.4	2539.8	2539.8	2539.8	2542.7
2598.7	2587.2	2582.9	2582.9	2581.5	2577.2	2575.7
2661.9	2641.8	2634.6	2626.0	2618.8	2614.5	2607.3
2775.4	2758.2	2722.3	2702.1	2683.5	2670.5	2659.0
2927.7	2903.3	2868.8	2842.9	2814.2	2805.6	2791.2
3163.3	3141.7	3111.6	3082.8	3065.6	3035.4	3013.9
3531.0	3487.9	3457.8	3420.4	3378.8	3317.0	3286.8
4015.2	3929.0	3868.6	3835.6	3752.3	3742.2	3668.9
4571.1	4545.2	4453.3	4413.1	4332.6	4301.0	4186.1
5402.9	5382.7	5194.6	5174.4	5050.9	4959.0	4780.8
6496.1	6330.9	6118.3	5970.3	5759.1	5522.1	5219.0
7451.4	7113.8	6789.1	6444.4	6152.7	5812.3	5468.9
8060.5	7608.0	7189.9	6836.5	6476.0	6070.9	5629.8
8594.9	8138.0	7682.7	7264.6	6827.9	6309.3	5764.9
9234.1	8780.2	8267.3	7679.8	7119.5	6484.6	5819.5
9889.2	9357.7	8717.0	7997.3	7293.4	6570.8	5809.4
10560.1	9880.6	9028.7	8208.4	7404.0	6583.7	5741.9
11104.5	10245.5	9260.0	8316.2	7427.0	6539.2	5657.1
11489.5	10479.6	9363.4	8353.5	7398.2	6468.8	5542.2
11709.3	10607.5	9389.3	8326.2	7339.3	6368.2	5417.2
11789.7	10646.3	9363.4	8270.2	7286.2	6260.5	5329.6
11781.1	10624.7	9268.6	8139.5	7144.0	6116.8	5221.9
11618.8	10425.0	9074.7	7982.9	7023.3	6050.7	5229.0
11343.0	10298.6	9017.2	8014.5	7086.5	6193.0	5456.0
11218.0	10551.4	9340.4	8330.5	7411.1	6599.5	5924.3
11147.6	10962.3	9803.0	8671.0	7796.1	7092.2	6483.1
10860.3	11080.1	10065.9	8864.9	8139.5	7586.4	7042.0
10396.3	10805.7	9866.2	8827.6	8329.1	7965.7	7243.1
9428.1	9860.5	8977.0	8277.4	8092.1	7971.4	6941.4
7638.1	7862.2	7359.4	7201.4	7270.4	7271.8	5822.3
5632.7	5497.7	5270.7	5282.2	5746.2	5674.4	4150.2
4598.4	3763.8	3442.0	3564.1	4137.3	3828.4	2607.3
4279.5	3357.2	2771.1	2799.8	3124.5	2466.6	1570.1
3460.6	3059.8	2453.6	2202.2	2137.6	1643.4	1065.9
1448.0	1331.7	991.2	893.5	732.6	448.2	204.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)