

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: P158908

Luminaire Tested: **VST-E07-LED-E-U-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158908
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-SLL-8030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (147) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15876.3 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - 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



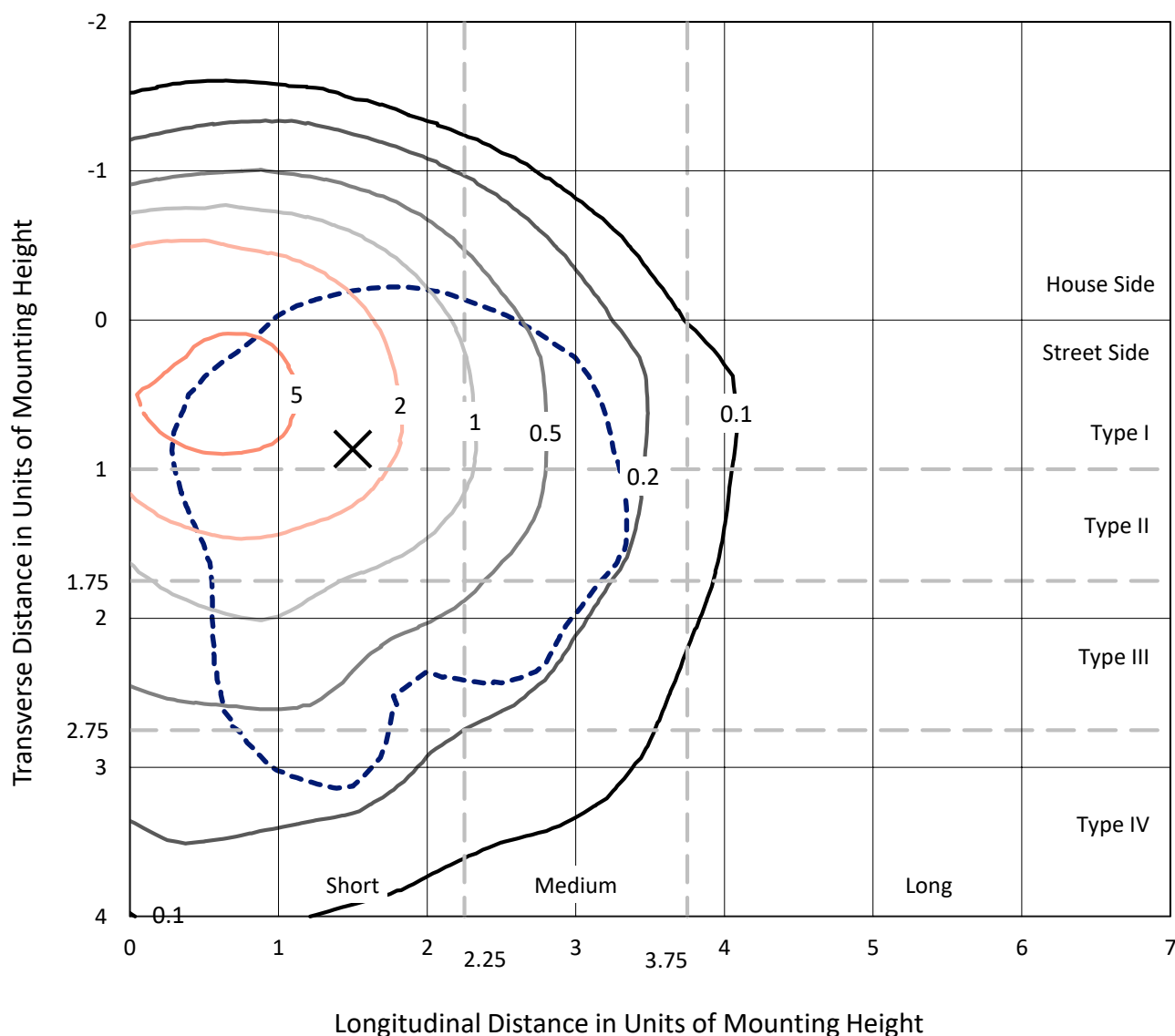
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

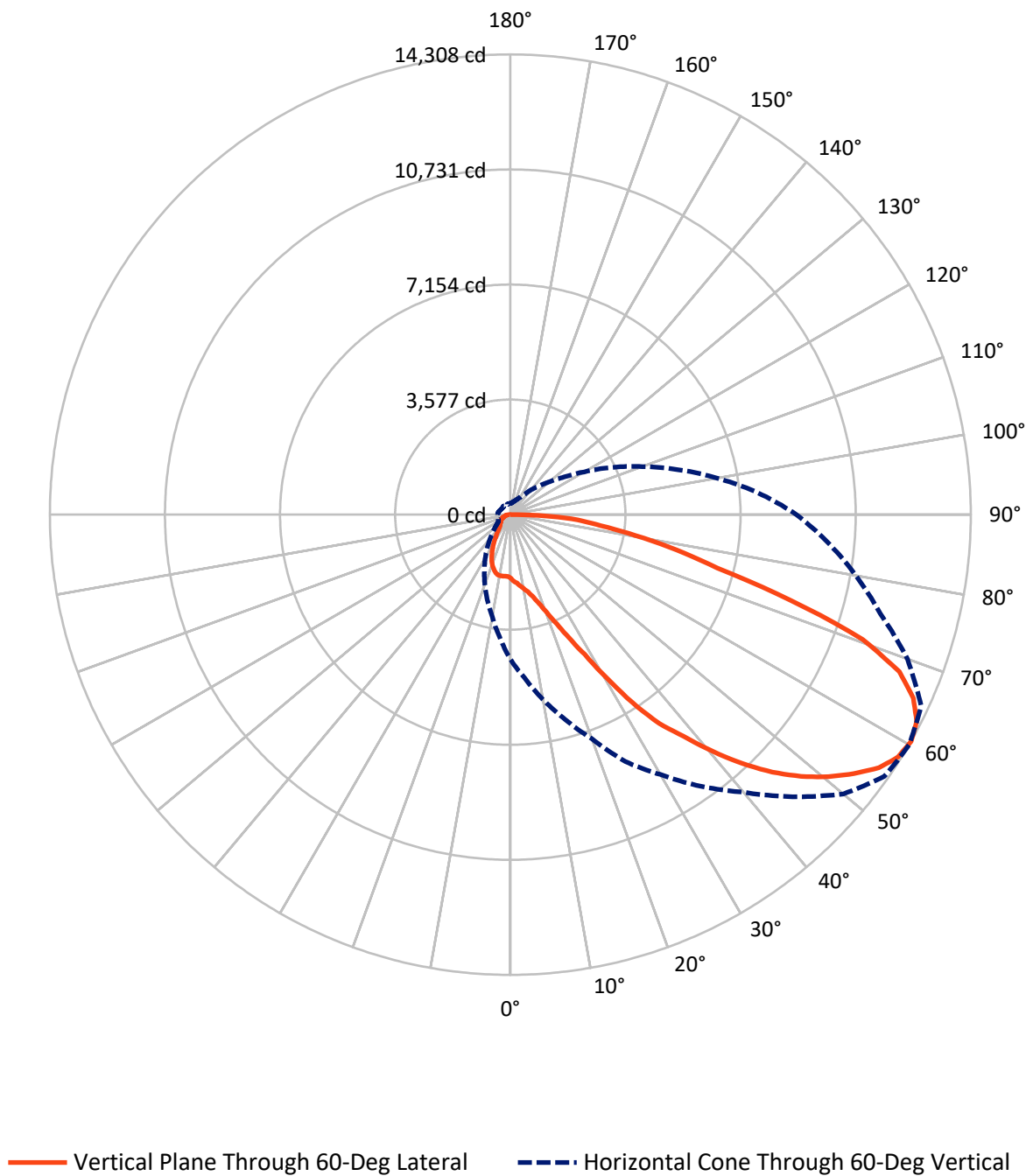


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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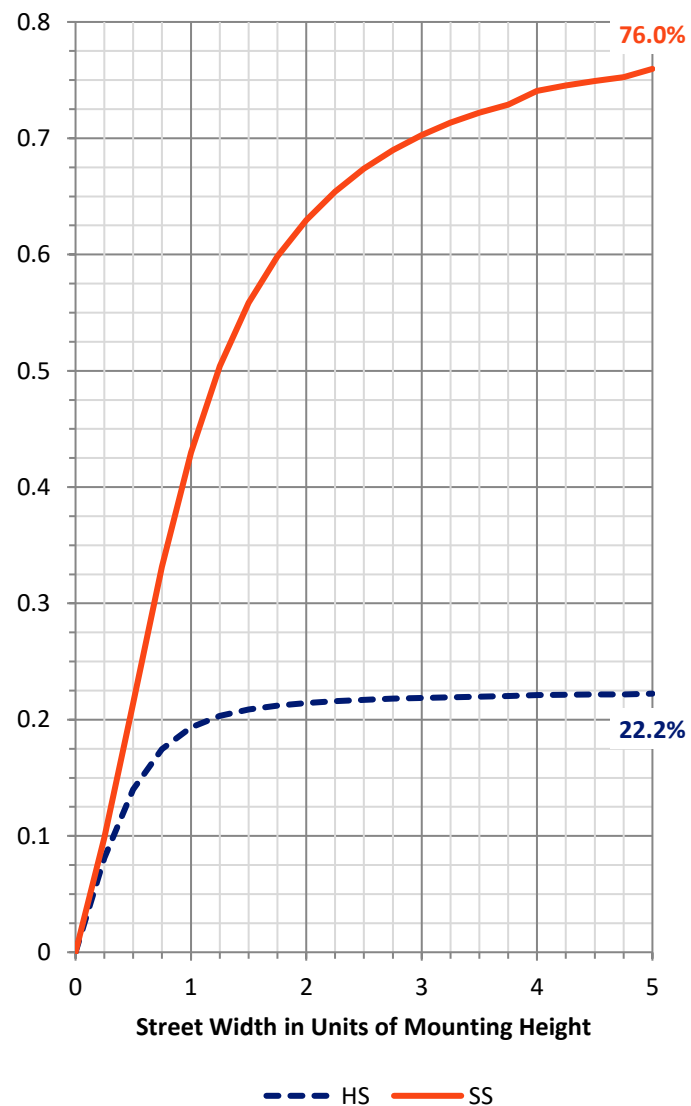
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3574.8	0.0	3574.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	12301.4	0.0	12301.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	15876.3	0.0	15876.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.8	1.2
10°-20°	628.9	4.0
20°-30°	1193.5	7.5
30°-40°	1879.5	11.8
40°-50°	2623.3	16.5
50°-60°	3244.5	20.4
60°-70°	3363.1	21.2
70°-80°	2116.2	13.3
80°-90°	632.6	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°	15876.3	100.0
0°-180°	15876.3	100.0

Coefficient of Utilization



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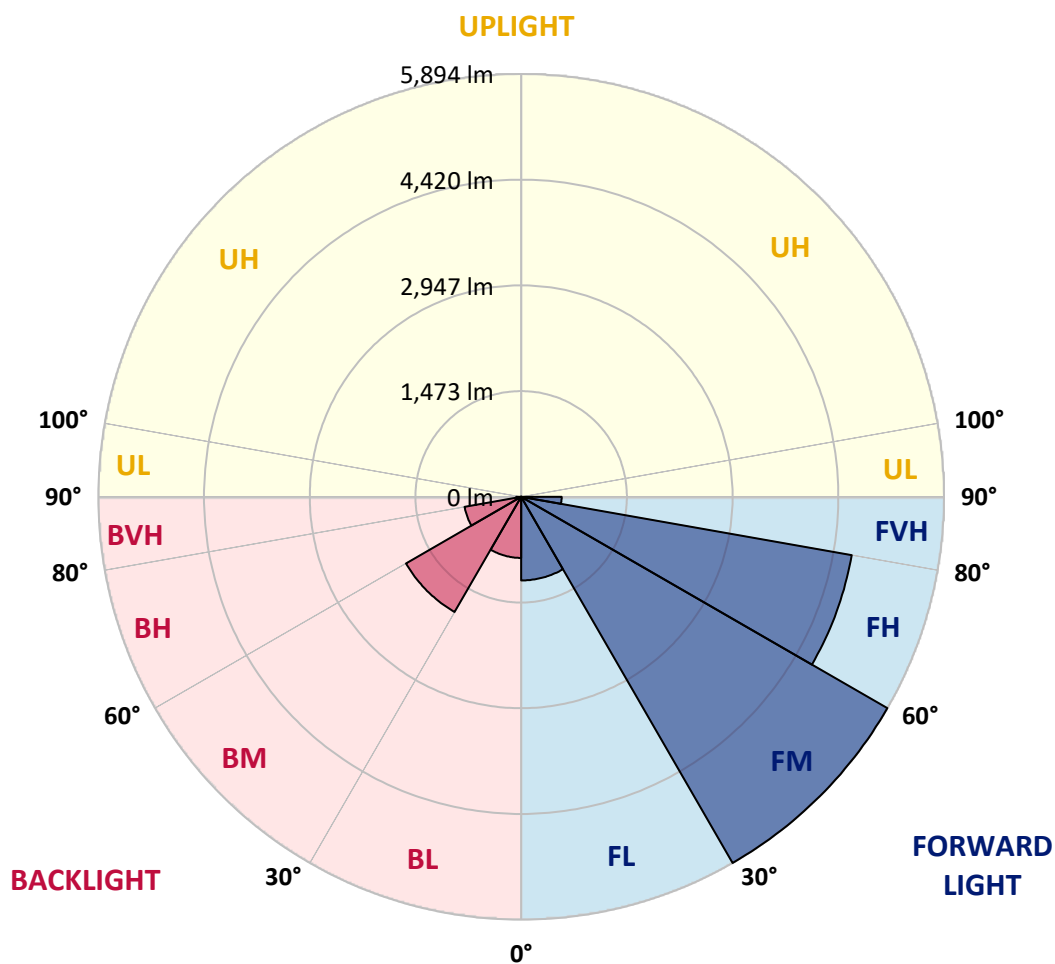
CATALOG NUMBER: VST-E07-LED-E-U-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1165.6	7.3			
FM	(30°-60°)	5893.5	37.1			
FH	(60°-80°)	4678.6	29.5			G2/5000
FVH	(80°-90°)	563.8	3.6			G4/750
BL	(0°-30°)	851.7	5.4	B2/1000		
BM	(30°-60°)	1853.8	11.7	B2/2500		
BH	(60°-80°)	800.6	5.0	B2/1000		G2/1000
BVH	(80°-90°)	68.8	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2091.4	2089.0	2089.0	2089.0	2087.9	2085.5	2089.0	2087.9	2082.0	2078.4	2082.0
5°	2118.6	2119.8	2123.3	2124.5	2124.5	2128.0	2137.5	2138.7	2137.5	2139.9	2145.8
7.5°	2144.6	2150.5	2154.0	2159.9	2167.0	2172.9	2189.5	2206.0	2216.7	2224.9	2227.3
10°	2187.1	2196.6	2207.2	2222.6	2239.1	2268.6	2282.8	2299.4	2310.0	2326.5	2330.1
12.5°	2295.8	2307.6	2314.7	2338.4	2359.6	2388.0	2408.1	2412.8	2437.6	2451.8	2468.3
15°	2479.0	2496.7	2521.5	2535.7	2559.3	2584.1	2601.9	2625.5	2629.0	2647.9	2660.9
17.5°	2703.5	2728.3	2779.1	2813.4	2844.1	2868.9	2904.3	2931.5	2937.4	2958.7	2931.5
20°	3017.8	3078.0	3086.3	3154.8	3182.0	3231.6	3302.5	3315.5	3349.8	3315.5	3295.4
22.5°	3443.1	3537.7	3563.7	3629.8	3662.9	3738.5	3759.8	3829.5	3853.2	3827.2	3772.8
25°	3932.3	4078.8	4154.5	4256.1	4272.6	4427.4	4443.9	4525.5	4481.8	4419.1	4420.3
27.5°	4292.7	4542.0	4737.0	4910.7	5032.4	5207.3	5343.1	5380.9	5339.6	5258.1	5229.7
30°	4498.3	4780.7	5060.7	5300.6	5584.2	5851.2	6128.9	6267.1	6290.8	6333.3	6162.0
32.5°	4630.6	4993.4	5326.6	5623.2	5913.8	6257.7	6629.9	6985.5	7284.5	7510.2	7403.8
35°	4741.7	5189.5	5616.1	5975.3	6319.1	6693.7	7069.4	7488.9	7984.0	8273.5	8333.7
37.5°	4786.6	5333.7	5855.9	6316.8	6800.0	7221.9	7595.2	7968.6	8488.5	9004.9	9164.4
40°	4778.3	5404.6	5998.9	6577.9	7169.9	7696.9	8134.0	8576.0	9184.5	9788.3	10048.2
42.5°	4722.8	5415.2	6089.9	6751.6	7426.3	8127.0	8685.8	9195.1	9778.8	10552.8	10920.2
45°	4653.1	5378.6	6108.8	6840.2	7616.5	8427.1	9133.7	9763.5	10447.6	11212.1	11656.4
47.5°	4558.6	5320.7	6085.2	6870.9	7701.6	8619.7	9450.3	10207.7	10960.4	11840.7	12404.3
50°	4455.8	5238.0	6036.7	6848.5	7722.9	8724.8	9631.1	10493.7	11372.8	12322.8	13035.3
52.5°	4383.7	5149.4	5993.0	6802.4	7701.6	8756.7	9697.3	10647.3	11625.6	12607.5	13458.3
55°	4295.1	5031.2	5876.0	6694.9	7623.6	8739.0	9690.2	10700.5	11695.4	12717.4	13688.7
57.5°	4301.0	4976.8	5776.8	6566.1	7464.1	8574.8	9556.7	10647.3	11585.5	12646.5	13697.0
60°	4487.7	5093.8	5828.8	6592.1	7416.8	8470.8	9329.8	10304.6	11262.9	12401.9	13505.5
62.5°	4872.9	5428.2	6095.8	6852.0	7682.7	8678.8	9227.0	9735.1	10585.8	11951.8	13179.4
65°	5332.5	5833.5	6412.5	7132.1	8063.2	9016.7	9169.1	9271.9	9702.0	11076.2	12567.4
67.5°	5792.1	6240.0	6694.9	7291.6	8279.4	9113.6	8932.8	8688.2	8919.8	10058.9	11364.5
70°	5957.6	6551.9	6850.8	7260.9	8115.1	8887.9	8551.1	7935.5	8015.9	9051.0	10005.7
72.5°	5709.4	6556.6	6655.9	6808.3	7383.7	8110.4	7754.8	6963.1	6946.6	7737.0	8508.6
75°	4789.0	5981.2	5980.0	5923.3	6053.3	6466.8	6282.5	5805.1	6007.2	6629.9	6883.9
77.5°	3413.6	4667.3	4726.3	4344.7	4335.2	4521.9	4633.0	5188.3	5920.9	6270.7	6190.3
80°	2144.6	3148.9	3403.0	2931.5	2831.1	3095.8	3782.3	4590.5	5492.0	5806.3	5535.7
82.5°	1291.5	2028.8	2570.0	2302.9	2279.3	2761.4	3519.9	3834.3	4104.8	4439.2	3986.7
85°	876.7	1351.7	1758.2	1811.4	2018.2	2516.8	2846.4	2707.0	2714.1	2626.7	2392.7
87.5°	167.8	368.7	602.6	734.9	815.3	1095.3	1191.0	1078.8	1139.1	833.0	911.0
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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CATALOG NUMBER: VST-E07-LED-E-U-SLL-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2076.0	2076.0	2076.0	2070.1	2071.3	2063.1	2059.5	2059.5	2056.0	2056.0	2054.8
5°	2141.0	2133.9	2137.5	2136.3	2136.3	2124.5	2118.6	2118.6	2103.2	2104.4	2099.7
7.5°	2237.9	2236.7	2240.3	2233.2	2223.7	2214.3	2204.8	2200.1	2178.8	2165.8	2157.6
10°	2347.8	2346.6	2350.2	2349.0	2332.5	2314.7	2288.7	2269.8	2243.8	2223.7	2203.7
12.5°	2468.3	2467.2	2464.8	2454.2	2436.4	2408.1	2375.0	2343.1	2304.1	2278.1	2248.6
15°	2656.2	2652.7	2638.5	2623.1	2604.2	2560.5	2502.6	2456.5	2404.5	2359.6	2311.2
17.5°	2933.9	2904.3	2902.0	2867.7	2816.9	2759.0	2704.7	2627.9	2553.4	2486.1	2419.9
20°	3316.7	3248.2	3229.3	3190.3	3122.9	3062.7	2944.5	2841.7	2740.1	2647.9	2564.0
22.5°	3733.8	3684.2	3638.1	3574.3	3482.1	3394.7	3244.6	3115.8	2985.9	2867.7	2774.4
25°	4316.3	4230.1	4147.4	4045.8	3918.1	3814.2	3642.8	3512.9	3342.7	3235.2	3100.5
27.5°	5069.0	4921.3	4781.9	4694.4	4469.9	4318.7	4100.1	3932.3	3726.7	3581.4	3421.9
30°	6048.5	5877.2	5670.4	5368.0	5100.9	4800.8	4530.2	4315.2	4096.6	3893.3	3709.0
32.5°	7263.2	6960.7	6633.4	6153.7	5715.3	5287.6	4927.2	4662.5	4439.2	4186.4	3926.4
35°	8290.0	7978.1	7513.7	6904.0	6362.8	5873.7	5442.4	5080.8	4789.0	4468.8	4124.9
37.5°	9100.6	8744.9	8308.9	7661.4	7089.5	6533.0	6080.4	5619.6	5236.8	4796.1	4361.2
40°	10029.3	9672.5	9192.7	8521.6	7844.6	7240.8	6710.2	6234.1	5763.8	5226.2	4667.3
42.5°	10838.7	10581.1	10095.5	9401.9	8651.6	7979.3	7399.1	6854.4	6240.0	5638.5	4976.8
45°	11682.4	11420.0	10959.2	10233.7	9436.2	8687.0	7993.4	7407.4	6681.9	5965.8	5208.4
47.5°	12427.9	12158.5	11693.0	10972.2	10125.0	9335.7	8572.4	7863.5	7021.0	6198.6	5359.7
50°	13139.3	12809.6	12383.0	11664.6	10759.5	9915.9	9087.6	8177.8	7284.5	6361.7	5462.5
52.5°	13792.7	13373.2	12969.1	12229.4	11251.1	10369.6	9445.6	8444.8	7446.4	6490.5	5532.2
55°	14163.7	13893.1	13409.8	12683.2	11600.8	10681.5	9672.5	8632.7	7607.1	6581.4	5561.7
57.5°	14278.3	14212.1	13806.8	12945.5	11806.4	10852.9	9826.1	8781.6	7714.6	6607.4	5520.4
60°	14187.3	14307.8	14085.7	13129.8	11899.8	10903.7	9901.7	8887.9	7733.5	6524.7	5395.1
62.5°	13895.5	14169.6	14141.2	13191.2	11851.3	10839.9	9893.4	8833.5	7556.3	6267.1	5113.9
65°	13415.7	13760.8	13882.5	12963.2	11578.4	10607.1	9683.1	8492.1	7063.5	5763.8	4642.5
67.5°	12513.0	13035.3	13153.4	12216.4	10864.7	9963.1	9077.0	7783.1	6151.3	4985.1	3906.3
70°	10704.0	11617.4	11776.9	10793.8	9606.3	8814.6	8063.2	6659.4	5122.2	3998.5	2997.7
72.5°	8545.2	9119.5	9445.6	8768.6	7884.7	7310.5	6741.0	5109.2	3865.0	2950.4	2063.1
75°	6680.7	6646.4	6938.3	6488.1	5968.2	5700.0	5272.2	3564.8	2588.9	1954.3	1305.7
77.5°	5711.8	5272.2	4940.2	4623.6	4315.2	4230.1	3820.1	2211.9	1599.9	1171.0	781.0
80°	4747.6	3945.3	3339.2	2893.7	2783.8	2951.6	2500.2	1304.5	947.6	672.3	490.4
82.5°	3392.3	2838.2	2310.0	2027.6	1839.7	2106.8	1474.6	724.3	514.0	402.9	324.9
85°	2198.9	2102.0	2079.6	1987.4	1759.4	1661.3	1120.1	623.9	385.2	250.5	202.1
87.5°	846.0	1084.7	1251.3	1341.1	1449.8	1291.5	583.7	215.0	211.5	130.0	98.1
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°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	2046.5	2041.8	2040.6	2037.1	2034.7	2034.7	2028.8	1921.3	1920.1	1920.1	1918.9
5°	2090.2	2084.3	2078.4	2077.2	2072.5	2072.5	2066.6	1959.1	1959.1	1959.1	1956.7
7.5°	2149.3	2137.5	2130.4	2126.9	2119.8	2123.3	2128.0	2019.3	2020.5	2019.3	2021.7
10°	2191.8	2184.8	2176.5	2174.1	2169.4	2172.9	2180.0	2072.5	2076.0	2077.2	2079.6
12.5°	2233.2	2221.4	2210.7	2207.2	2204.8	2214.3	2222.6	2118.6	2122.1	2125.7	2125.7
15°	2284.0	2263.9	2249.7	2241.5	2236.7	2246.2	2258.0	2155.2	2156.4	2159.9	2158.8
17.5°	2370.3	2340.7	2307.6	2301.7	2286.4	2289.9	2292.3	2177.7	2172.9	2164.7	2150.5
20°	2503.8	2458.9	2414.0	2395.1	2364.4	2351.4	2325.4	2178.8	2149.3	2124.5	2103.2
22.5°	2695.2	2629.0	2580.6	2548.7	2486.1	2442.3	2371.4	2172.9	2117.4	2074.9	2041.8
25°	3004.8	2925.6	2851.2	2770.8	2672.8	2585.3	2481.3	2224.9	2138.7	2065.4	2001.6
27.5°	3306.1	3180.8	3066.2	2945.7	2807.5	2676.3	2529.8	2241.5	2143.4	2048.9	1944.9
30°	3531.8	3349.8	3176.1	3000.1	2819.3	2649.1	2483.7	2184.8	2067.8	1961.4	1851.5
32.5°	3668.8	3432.5	3206.8	2988.2	2775.5	2584.1	2398.6	2086.7	1957.9	1832.6	1715.7
35°	3798.8	3505.8	3225.7	2968.1	2724.7	2512.1	2312.4	1972.1	1818.5	1684.9	1537.2
37.5°	3959.5	3582.6	3237.5	2931.5	2650.3	2406.9	2187.1	1827.9	1674.3	1510.1	1370.6
40°	4152.1	3661.7	3225.7	2858.3	2534.5	2268.6	2035.9	1676.7	1505.3	1345.8	1208.8
42.5°	4335.2	3731.5	3195.0	2760.2	2408.1	2124.5	1897.6	1542.0	1370.6	1207.6	1071.7
45°	4471.1	3790.5	3179.7	2691.7	2311.2	2026.4	1775.9	1433.3	1252.5	1088.2	950.0
47.5°	4565.7	3826.0	3172.6	2653.8	2243.8	1924.8	1664.9	1324.6	1134.3	968.9	834.2
50°	4615.3	3824.8	3154.8	2612.5	2144.6	1803.1	1550.2	1214.7	1025.6	863.7	740.9
52.5°	4628.3	3803.5	3117.0	2536.9	2024.1	1681.4	1427.4	1100.1	929.9	775.1	651.1
55°	4598.7	3751.5	3037.9	2410.4	1895.3	1552.6	1315.1	1010.3	836.6	690.0	593.2
57.5°	4514.8	3659.4	2889.0	2236.7	1759.4	1433.3	1186.3	901.6	734.9	612.1	531.7
60°	4358.9	3464.4	2656.2	2031.1	1586.9	1251.3	1009.1	759.8	627.4	535.3	470.3
62.5°	4070.6	3158.4	2328.9	1747.6	1338.7	1015.0	805.8	606.2	506.9	446.6	406.5
65°	3606.2	2697.6	1949.6	1376.5	1017.3	738.5	599.1	456.1	384.0	347.4	335.6
67.5°	2943.3	2083.1	1417.9	955.9	688.9	517.5	417.1	333.2	298.9	284.8	280.0
70°	2139.9	1419.1	918.1	603.8	454.9	361.6	315.5	268.2	249.3	245.8	245.8
72.5°	1343.5	862.6	562.4	413.6	345.0	293.0	269.4	236.3	229.2	226.9	223.3
75°	788.1	523.4	398.2	339.1	295.4	262.3	242.2	215.0	210.3	209.1	205.6
77.5°	502.2	376.9	321.4	289.5	267.0	237.5	219.8	191.4	190.2	189.1	187.9
80°	360.4	313.1	281.2	256.4	234.0	206.8	196.1	173.7	171.3	170.1	172.5
82.5°	272.9	258.8	245.8	226.9	196.1	176.1	167.8	152.4	153.6	147.7	146.5
85°	187.9	185.5	184.3	176.1	153.6	135.9	130.0	121.7	127.6	121.7	114.6
87.5°	92.2	91.0	83.9	99.3	92.2	73.3	66.2	73.3	81.5	79.2	73.3
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1914.2	1909.4	1913.0	1910.6	1910.6	1909.4	1911.8	1908.3	1905.9	1908.3	1909.4
5°	1952.0	1946.1	1947.3	1939.0	1942.5	1934.3	1936.6	1930.7	1924.8	1922.4	1922.4
7.5°	2015.8	2009.9	2002.8	2001.6	1988.6	1983.9	1975.6	1970.9	1967.3	1959.1	1954.3
10°	2073.7	2064.2	2056.0	2054.8	2041.8	2030.0	2019.3	2009.9	2004.0	1992.2	1986.2
12.5°	2120.9	2111.5	2098.5	2091.4	2078.4	2064.2	2057.1	2043.0	2034.7	2021.7	2011.1
15°	2148.1	2131.6	2112.7	2099.7	2080.8	2065.4	2054.8	2044.1	2035.9	2019.3	2004.0
17.5°	2135.1	2108.0	2082.0	2058.3	2032.3	2018.2	2002.8	1989.8	1987.4	1968.5	1944.9
20°	2080.8	2048.9	2014.6	1982.7	1948.4	1928.4	1909.4	1889.4	1883.5	1861.0	1830.3
22.5°	2014.6	1978.0	1939.0	1900.0	1856.3	1827.9	1799.6	1774.7	1754.7	1721.6	1677.9
25°	1947.3	1892.9	1836.2	1786.6	1735.8	1700.3	1670.8	1643.6	1620.0	1566.8	1521.9
27.5°	1858.6	1773.6	1715.7	1658.9	1597.5	1551.4	1518.3	1480.5	1454.5	1393.1	1345.8
30°	1745.2	1660.1	1577.4	1520.7	1459.3	1409.6	1367.1	1312.7	1274.9	1230.0	1186.3
32.5°	1602.2	1517.2	1433.3	1369.5	1318.7	1257.2	1204.0	1152.0	1108.3	1064.6	1030.3
35°	1428.5	1345.8	1266.7	1202.9	1146.1	1097.7	1046.9	1002.0	952.4	905.1	885.0
37.5°	1245.4	1156.8	1069.3	1013.8	968.9	934.6	887.4	850.7	805.8	777.5	753.9
40°	1085.9	991.4	908.6	861.4	825.9	786.9	747.9	719.6	687.7	659.3	641.6
42.5°	951.2	862.6	791.7	751.5	709.0	666.4	636.9	613.2	593.2	571.9	550.6
45°	827.1	742.0	683.0	633.3	597.9	563.6	543.5	532.9	521.1	508.1	493.9
47.5°	723.1	649.9	592.0	545.9	509.3	485.6	476.2	472.6	467.9	457.3	450.2
50°	644.0	583.7	524.6	483.3	452.5	440.7	430.1	426.6	420.6	417.1	412.4
52.5°	577.8	514.0	464.4	426.6	407.6	402.9	398.2	393.5	392.3	389.9	387.6
55°	523.4	467.9	421.8	393.5	384.0	380.5	379.3	374.6	373.4	373.4	369.8
57.5°	475.0	427.7	386.4	368.7	362.7	359.2	356.8	354.5	354.5	356.8	355.7
60°	425.4	385.2	360.4	350.9	347.4	341.5	335.6	333.2	334.4	340.3	340.3
62.5°	376.9	347.4	332.0	328.5	324.9	320.2	313.1	310.8	313.1	320.2	323.8
65°	323.8	310.8	306.0	303.7	301.3	297.8	293.0	290.7	291.9	295.4	300.1
67.5°	275.3	274.1	274.1	275.3	274.1	272.9	270.6	267.0	265.9	265.9	268.2
70°	245.8	245.8	249.3	249.3	248.1	248.1	244.6	241.0	238.7	236.3	237.5
72.5°	223.3	223.3	224.5	225.7	224.5	224.5	219.8	217.4	211.5	210.3	208.0
75°	204.4	202.1	202.1	200.9	199.7	200.9	196.1	190.2	187.9	186.7	184.3
77.5°	185.5	180.8	178.4	176.1	177.2	176.1	172.5	169.0	165.4	164.2	163.1
80°	164.2	157.2	153.6	147.7	151.2	152.4	150.1	146.5	145.3	144.2	143.0
82.5°	135.9	128.8	124.1	120.5	118.2	120.5	124.1	132.3	130.0	128.8	126.4
85°	106.3	94.5	88.6	89.8	83.9	85.1	95.7	100.4	100.4	102.8	100.4
87.5°	60.3	57.9	43.7	40.2	42.5	50.8	56.7	62.6	62.6	59.1	66.2
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
2.5°	1909.4	1911.8	1913.0	1917.7	1920.1	1921.3	1922.4	1924.8	1926.0	1924.8	1930.7
5°	1918.9	1918.9	1916.5	1920.1	1921.3	1921.3	1918.9	1921.3	1921.3	1921.3	1927.2
7.5°	1943.7	1936.6	1933.1	1928.4	1924.8	1920.1	1914.2	1914.2	1913.0	1914.2	1917.7
10°	1969.7	1959.1	1946.1	1934.3	1923.6	1915.4	1904.7	1901.2	1900.0	1898.8	1908.3
12.5°	1989.8	1970.9	1950.8	1930.7	1909.4	1895.3	1877.5	1866.9	1865.7	1865.7	1877.5
15°	1975.6	1944.9	1905.9	1870.5	1851.5	1831.5	1811.4	1798.4	1797.2	1799.6	1806.6
17.5°	1904.7	1855.1	1820.8	1786.6	1761.7	1745.2	1732.2	1729.8	1734.6	1729.8	1739.3
20°	1784.2	1731.0	1707.4	1680.2	1670.8	1658.9	1640.0	1623.5	1623.5	1602.2	1608.1
22.5°	1628.2	1598.7	1568.0	1546.7	1539.6	1519.5	1499.4	1477.0	1474.6	1448.6	1445.1
25°	1465.2	1435.6	1410.8	1406.1	1384.8	1357.6	1338.7	1312.7	1306.8	1280.8	1277.3
27.5°	1298.6	1274.9	1250.1	1235.9	1224.1	1194.6	1178.0	1147.3	1135.5	1107.1	1103.6
30°	1140.2	1123.7	1094.1	1082.3	1059.9	1025.6	990.2	971.3	961.8	932.3	922.8
32.5°	991.4	965.4	942.9	928.7	900.4	861.4	829.5	802.3	784.6	749.1	739.7
35°	849.6	823.6	812.9	776.3	751.5	725.5	681.8	665.2	633.3	606.2	596.7
37.5°	724.3	699.5	685.3	654.6	629.8	603.8	577.8	556.5	541.2	535.3	535.3
40°	616.8	603.8	586.1	563.6	547.1	528.2	514.0	506.9	505.7	508.1	514.0
42.5°	540.0	525.8	514.0	502.2	490.4	488.0	484.5	489.2	495.1	501.0	506.9
45°	482.1	470.3	463.2	458.5	457.3	460.8	467.9	475.0	485.6	492.7	497.4
47.5°	440.7	431.3	428.9	427.7	433.6	444.3	453.7	464.4	472.6	479.7	484.5
50°	405.3	397.0	395.8	394.7	402.9	412.4	420.6	434.8	440.7	445.5	449.0
52.5°	380.5	373.4	369.8	371.0	379.3	387.6	399.4	410.0	418.3	421.8	425.4
55°	360.4	358.0	349.7	353.3	361.6	372.2	384.0	395.8	404.1	410.0	415.9
57.5°	345.0	339.1	333.2	339.1	347.4	358.0	372.2	382.8	393.5	401.7	407.6
60°	328.5	323.8	319.0	324.9	333.2	343.8	354.5	368.7	381.7	389.9	395.8
62.5°	314.3	310.8	306.0	307.2	310.8	317.8	323.8	336.8	348.6	359.2	366.3
65°	294.2	293.0	285.9	287.1	289.5	296.6	301.3	313.1	324.9	334.4	340.3
67.5°	264.7	262.3	262.3	265.9	267.0	270.6	274.1	285.9	295.4	302.5	309.6
70°	235.1	234.0	234.0	236.3	235.1	238.7	243.4	254.0	265.9	272.9	280.0
72.5°	206.8	206.8	205.6	208.0	208.0	209.1	215.0	224.5	235.1	241.0	245.8
75°	182.0	180.8	180.8	180.8	182.0	182.0	187.9	196.1	206.8	210.3	217.4
77.5°	159.5	159.5	159.5	159.5	160.7	159.5	163.1	169.0	172.5	178.4	178.4
80°	140.6	139.4	140.6	141.8	141.8	140.6	140.6	141.8	143.0	143.0	143.0
82.5°	124.1	120.5	122.9	128.8	128.8	128.8	127.6	119.3	113.4	113.4	115.8
85°	99.3	99.3	100.4	108.7	109.9	105.2	109.9	98.1	86.3	82.7	85.1
87.5°	61.4	48.4	59.1	67.4	67.4	63.8	70.9	66.2	55.5	44.9	42.5
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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REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	0°
2.5°	1935.4	1936.6	1943.7	1947.3	1947.3	1952.0	1954.3	1961.4	1960.3	1960.3	1962.6	2.5°
5°	1933.1	1936.6	1943.7	1948.4	1950.8	1956.7	1961.4	1969.7	1968.5	1970.9	1972.1	5°
7.5°	1924.8	1934.3	1941.3	1950.8	1959.1	1963.8	1969.7	1976.8	1974.4	1975.6	1974.4	7.5°
10°	1917.7	1927.2	1941.3	1954.3	1966.2	1973.3	1976.8	1985.1	1983.9	1986.2	1986.2	10°
12.5°	1889.4	1905.9	1923.6	1943.7	1961.4	1980.3	1992.2	2009.9	2018.2	2028.8	2040.6	12.5°
15°	1817.3	1836.2	1864.5	1887.0	1921.3	1947.3	1981.5	2015.8	2046.5	2076.0	2110.3	15°
17.5°	1746.4	1754.7	1777.1	1807.8	1838.5	1877.5	1918.9	1980.3	2035.9	2096.1	2162.3	17.5°
20°	1615.2	1629.4	1644.8	1681.4	1718.0	1773.6	1824.4	1904.7	1986.2	2080.8	2182.4	20°
22.5°	1453.4	1467.5	1484.1	1525.4	1570.3	1627.0	1688.5	1778.3	1887.0	2009.9	2145.8	22.5°
25°	1278.5	1286.7	1299.7	1341.1	1368.3	1442.7	1517.2	1610.5	1728.7	1887.0	2045.3	25°
27.5°	1085.9	1101.2	1111.9	1130.8	1193.4	1257.2	1335.2	1435.6	1578.6	1740.5	1931.9	27.5°
30°	901.6	914.5	908.6	948.8	990.2	1057.5	1141.4	1252.5	1389.5	1582.1	1803.1	30°
32.5°	720.8	730.2	726.7	755.0	796.4	863.7	942.9	1063.4	1208.8	1414.4	1654.2	32.5°
35°	594.3	596.7	609.7	622.7	658.1	712.5	779.8	885.0	1033.9	1222.9	1477.0	35°
37.5°	535.3	540.0	548.3	566.0	592.0	631.0	686.5	768.0	895.6	1062.2	1289.1	37.5°
40°	517.5	521.1	525.8	537.6	562.4	596.7	646.3	714.9	808.2	948.8	1133.1	40°
42.5°	509.3	509.3	509.3	516.4	535.3	571.9	628.6	696.0	777.5	883.8	1032.7	42.5°
45°	497.4	497.4	496.3	499.8	512.8	549.4	610.9	686.5	773.9	875.6	1004.3	45°
47.5°	484.5	483.3	479.7	479.7	488.0	524.6	588.4	670.0	765.7	882.6	1020.9	47.5°
50°	449.0	449.0	449.0	452.5	459.6	492.7	561.3	647.5	757.4	887.4	1046.9	50°
52.5°	428.9	430.1	433.6	433.6	440.7	475.0	547.1	642.8	762.1	905.1	1080.0	52.5°
55°	419.5	423.0	426.6	426.6	432.5	467.9	542.3	646.3	779.8	941.7	1136.7	55°
57.5°	411.2	414.7	417.1	417.1	421.8	452.5	529.4	640.4	790.5	977.2	1206.4	57.5°
60°	395.8	398.2	399.4	399.4	400.6	426.6	499.8	612.1	766.9	974.8	1244.2	60°
62.5°	367.5	372.2	373.4	374.6	374.6	399.4	462.0	566.0	716.0	939.4	1233.6	62.5°
65°	346.2	348.6	352.1	354.5	359.2	375.7	425.4	510.4	649.9	868.5	1174.5	65°
67.5°	313.1	316.7	320.2	324.9	329.7	340.3	379.3	447.8	560.1	747.9	1042.2	67.5°
70°	283.6	284.8	288.3	294.2	295.4	301.3	329.7	376.9	458.5	600.2	838.9	70°
72.5°	247.0	249.3	254.0	261.1	261.1	265.9	282.4	307.2	359.2	458.5	619.2	72.5°
75°	215.0	217.4	221.0	221.0	215.0	216.2	228.0	245.8	284.8	345.0	451.4	75°
77.5°	178.4	183.1	186.7	179.6	177.2	180.8	186.7	199.7	228.0	274.1	339.1	77.5°
80°	147.7	150.1	151.2	152.4	150.1	153.6	158.3	166.6	185.5	221.0	268.2	80°
82.5°	118.2	120.5	124.1	128.8	128.8	141.8	143.0	143.0	153.6	176.1	210.3	82.5°
85°	87.4	92.2	96.9	102.8	104.0	111.1	107.5	106.3	109.9	131.2	145.3	85°
87.5°	44.9	48.4	50.8	55.5	49.6	52.0	52.0	48.4	42.5	53.2	59.1	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°
1974.4	1974.4	1974.4	1974.4	1974.4	1974.4	1974.4
1965.0	1962.6	1965.0	1965.0	1968.5	1966.2	2091.4
1974.4	1972.1	1974.4	1976.8	1980.3	1980.3	2118.6
1975.6	1975.6	1973.3	1979.2	1983.9	1988.6	2144.6
1989.8	1989.8	1992.2	1993.3	2004.0	2015.8	2187.1
2047.7	2053.6	2064.2	2067.8	2086.7	2099.7	2295.8
2136.3	2169.4	2190.7	2197.8	2214.3	2239.1	2479.0
2226.1	2281.6	2339.5	2375.0	2396.3	2425.8	2703.5
2293.5	2397.4	2496.7	2585.3	2636.1	2694.0	3017.8
2299.4	2464.8	2632.6	2796.8	2932.7	3040.2	3443.1
2242.7	2460.1	2691.7	2943.3	3177.3	3371.1	3932.3
2170.6	2437.6	2733.0	3054.4	3361.6	3647.6	4292.7
2079.6	2399.8	2740.1	3101.7	3462.1	3805.9	4498.3
1941.3	2287.6	2655.0	3054.4	3472.7	3891.0	4630.6
1764.1	2117.4	2494.3	2949.2	3423.1	3925.2	4741.7
1583.3	1931.9	2337.2	2808.6	3343.9	3919.3	4786.6
1391.9	1738.1	2152.9	2658.6	3236.4	3865.0	4778.3
1261.9	1577.4	1983.9	2506.1	3117.0	3792.9	4722.8
1186.3	1462.8	1850.4	2366.7	3008.3	3706.6	4653.1
1185.1	1428.5	1779.5	2267.5	2898.4	3610.9	4558.6
1226.5	1449.8	1771.2	2224.9	2838.2	3541.2	4455.8
1274.9	1508.9	1814.9	2240.3	2837.0	3510.5	4383.7
1351.7	1609.3	1910.6	2306.5	2867.7	3505.8	4295.1
1449.8	1745.2	2083.1	2469.5	2987.1	3599.1	4301.0
1550.2	1904.7	2308.8	2748.4	3222.2	3816.5	4487.7
1586.9	2027.6	2538.0	3075.7	3574.3	4142.6	4872.9
1555.0	2056.0	2677.5	3329.7	3917.0	4524.3	5332.5
1436.8	1941.3	2620.8	3401.8	4114.3	4794.9	5792.1
1182.8	1656.6	2363.2	3239.9	4098.9	4850.4	5957.6
867.3	1284.4	1921.3	2753.1	3644.0	4503.0	5709.4
626.2	908.6	1387.2	2073.7	2880.7	3626.3	4789.0
449.0	629.8	900.4	1362.4	1962.6	2525.1	3413.6
322.6	427.7	561.3	817.7	1195.8	1550.2	2144.6
237.5	293.0	368.7	508.1	704.2	902.7	1291.5
161.9	172.5	222.1	300.1	462.0	664.1	876.7
61.4	69.7	81.5	122.9	206.8	237.5	167.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)