

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: P159162

Luminaire Tested: **VST-E10-LED-E-U-SLR-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159162
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-E10-LED-E-U-SLR-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (210) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27574.3 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 247.7
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



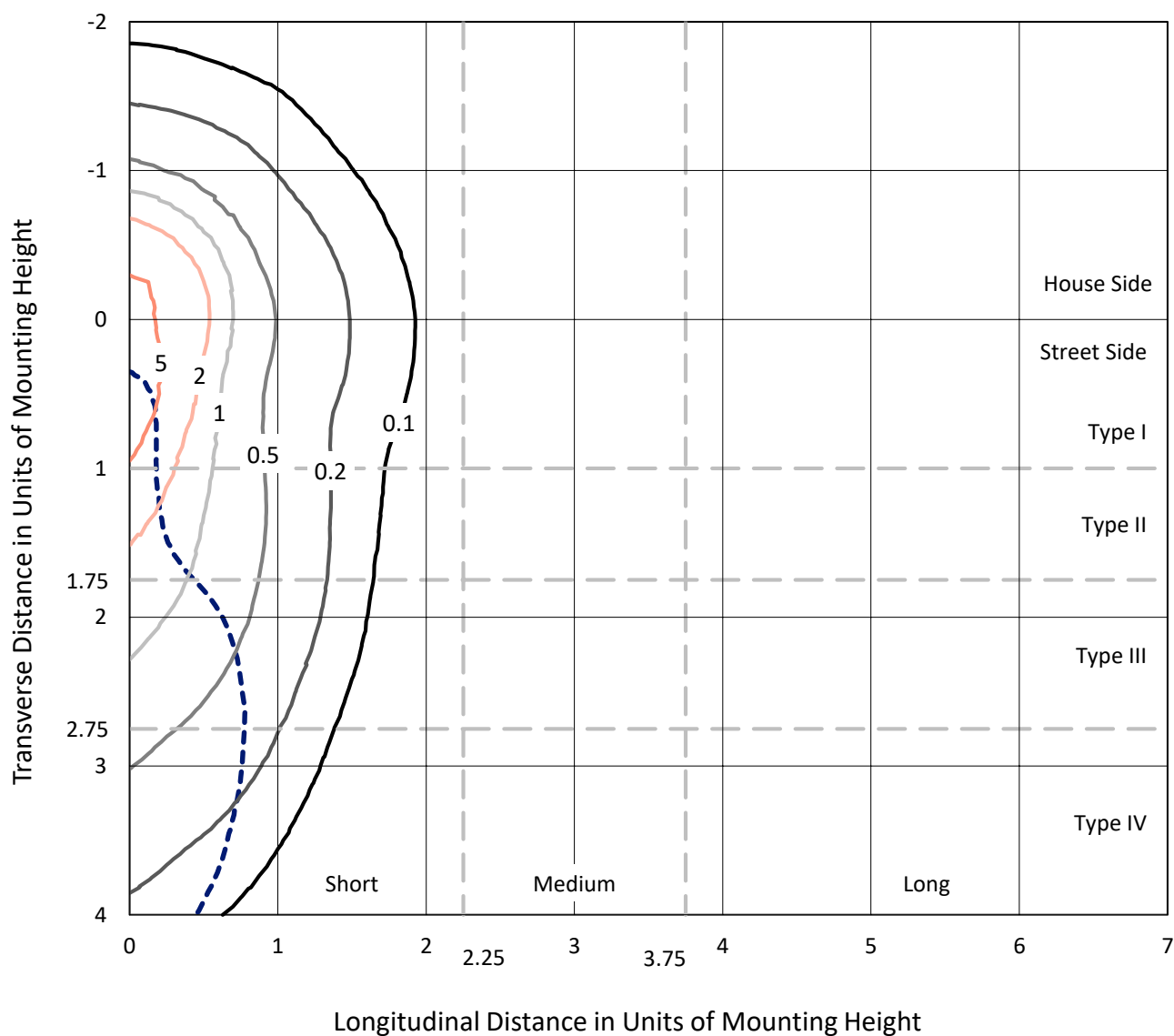
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

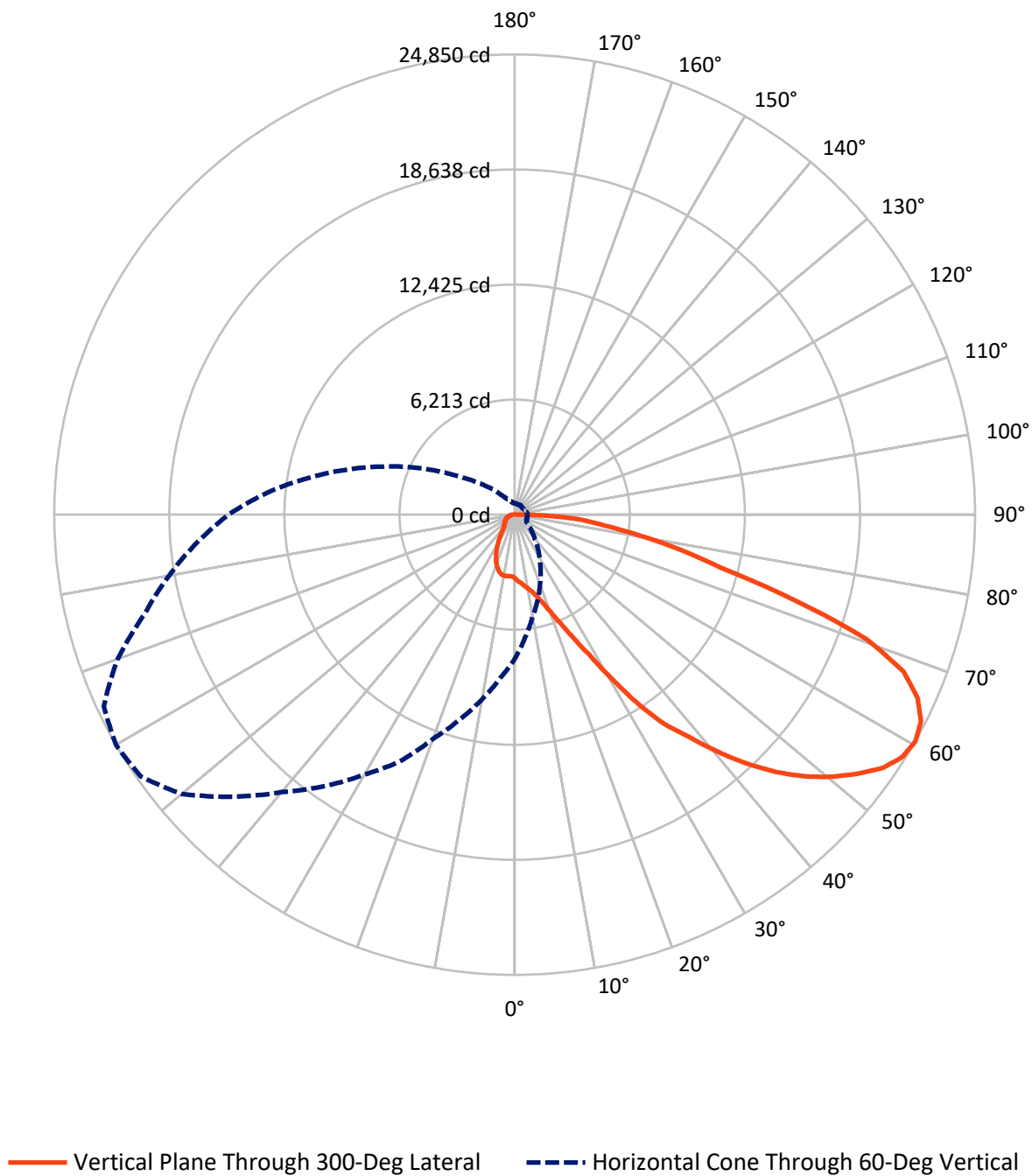


Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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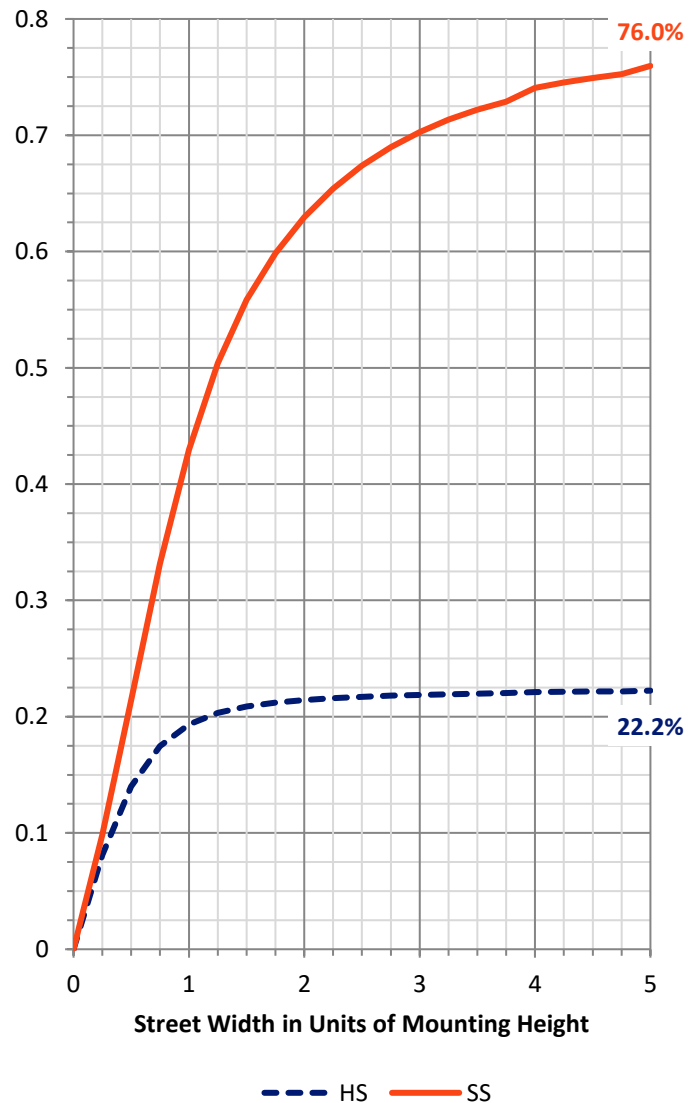
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6208.9	0.0	6208.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	21365.5	0.0	21365.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	27574.3	0.0	27574.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.3	1.2
10°-20°	1092.4	4.0
20°-30°	2072.9	7.5
30°-40°	3264.4	11.8
40°-50°	4556.3	16.5
50°-60°	5635.1	20.4
60°-70°	5841.0	21.2
70°-80°	3675.4	13.3
80°-90°	1098.7	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°	27574.3	100.0
0°-180°	27574.3	100.0

Coefficient of Utilization



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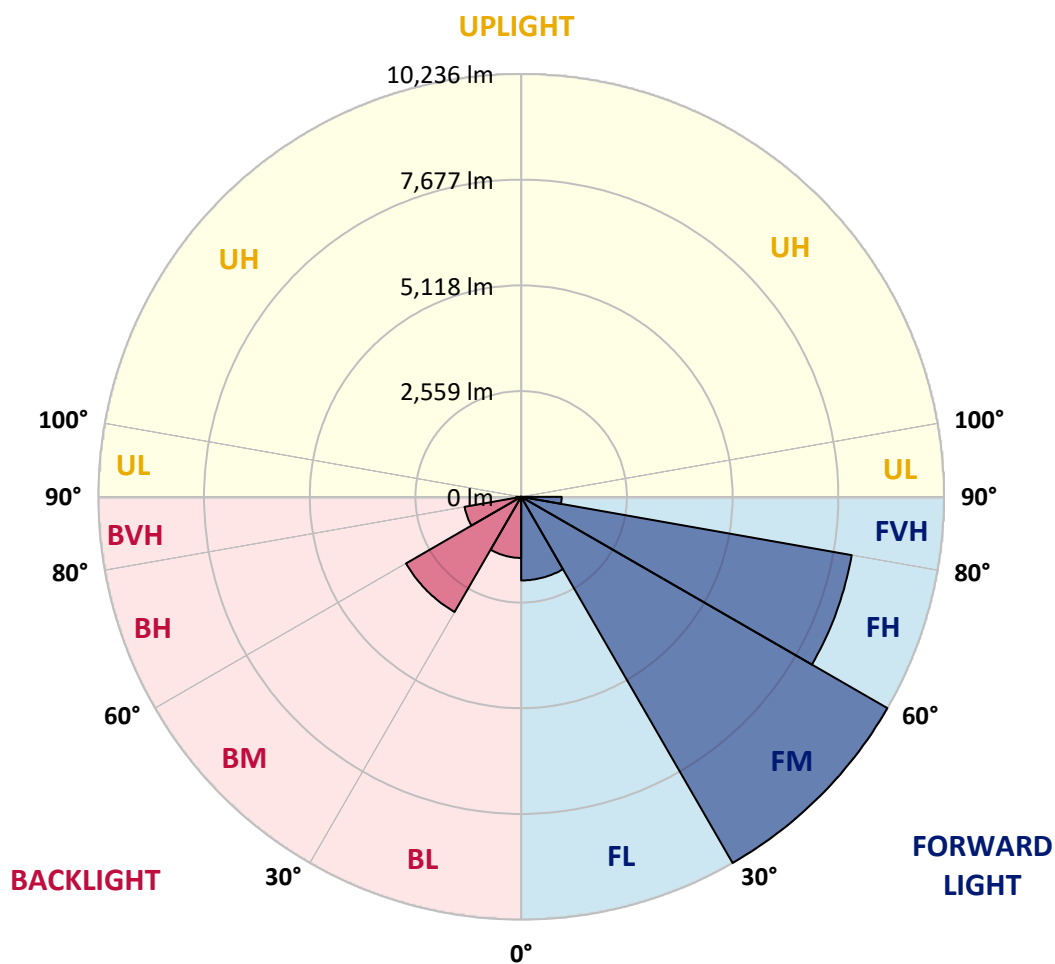
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2024.4	7.3			
FM	(30°-60°)	10236.0	37.1			
FH	(60°-80°)	8125.9	29.5			G4/12000
FVH	(80°-90°)	979.1	3.6			G5
BL	(0°-30°)	1479.2	5.4	B3/2500		
BM	(30°-60°)	3219.7	11.7	B3/5000		
BH	(60°-80°)	1390.5	5.0	B3/2500		G3/2500
BVH	(80°-90°)	119.5	0.4			G2/225
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°	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
2.5°	3632.4	3414.9	3419.0	3412.8	3412.8	3408.7	3412.8	3408.7	3404.6	3404.6	3406.7
5°	3679.6	3439.5	3439.5	3433.3	3429.2	3425.1	3429.2	3425.1	3423.1	3419.0	3421.0
7.5°	3724.8	3453.9	3445.7	3437.5	3427.2	3431.3	3431.3	3429.2	3431.3	3429.2	3433.3
10°	3798.6	3501.1	3480.5	3462.1	3460.0	3455.9	3455.9	3449.8	3449.8	3445.7	3447.7
12.5°	3987.4	3646.8	3624.2	3591.4	3585.2	3566.7	3556.5	3544.2	3523.6	3505.2	3490.8
15°	4305.5	3888.9	3845.8	3817.1	3804.8	3767.9	3710.4	3665.2	3605.7	3554.4	3501.1
17.5°	4695.5	4213.2	4161.9	4124.9	4063.4	3962.8	3866.4	3755.5	3640.6	3536.0	3439.5
20°	5241.3	4679.0	4578.5	4490.2	4336.3	4163.9	3983.3	3790.4	3613.9	3449.8	3308.2
22.5°	5980.1	5280.3	5093.6	4857.6	4572.3	4280.9	3993.6	3726.8	3490.8	3277.4	3088.6
25°	6829.8	5855.0	5518.4	5112.1	4674.9	4272.7	3895.1	3552.4	3277.4	3002.4	2797.2
27.5°	7455.7	6335.2	5838.5	5305.0	4746.8	4233.7	3769.9	3355.4	3022.9	2741.8	2493.4
30°	7812.8	6610.2	6013.0	5387.1	4759.1	4168.0	3611.9	3131.7	2747.9	2413.4	2175.3
32.5°	8042.6	6757.9	6031.4	5305.0	4611.3	3973.1	3371.8	2873.1	2456.5	2099.4	1847.0
35°	8235.5	6817.4	5945.3	5122.3	4332.2	3677.6	3064.0	2565.3	2124.0	1795.7	1537.1
37.5°	8313.5	6807.2	5807.8	4878.1	4059.3	3355.4	2750.0	2239.0	1844.9	1555.6	1333.9
40°	8299.1	6712.8	5621.0	4617.5	3739.1	3018.8	2417.5	1968.1	1647.9	1403.7	1241.6
42.5°	8202.7	6587.6	5413.7	4352.7	3445.7	2739.7	2191.8	1793.6	1535.1	1350.4	1208.8
45°	8081.6	6437.8	5224.9	4110.6	3213.8	2540.6	2060.4	1744.4	1520.7	1344.2	1192.3
47.5°	7917.4	6271.6	5034.1	3938.2	3090.6	2481.1	2058.4	1773.1	1533.0	1329.8	1163.6
50°	7738.9	6150.5	4929.4	3864.3	3076.3	2518.1	2130.2	1818.3	1541.2	1315.5	1124.6
52.5°	7613.7	6097.1	4927.4	3891.0	3152.2	2620.7	2214.3	1875.7	1572.0	1323.7	1116.4
55°	7459.8	6088.9	4980.7	4005.9	3318.4	2795.1	2347.7	1974.2	1635.6	1354.5	1122.6
57.5°	7470.0	6251.0	5188.0	4289.1	3618.0	3031.1	2518.1	2095.3	1697.2	1372.9	1112.3
60°	7794.3	6628.6	5596.4	4773.4	4010.0	3308.2	2692.5	2161.0	1693.1	1331.9	1063.0
62.5°	8463.3	7195.1	6207.9	5341.9	4408.1	3521.6	2756.1	2142.5	1631.5	1243.6	983.0
65°	9261.6	7857.9	6803.1	5783.1	4650.3	3570.8	2700.7	2039.9	1508.4	1128.7	886.6
67.5°	10059.9	8327.9	7145.8	5908.3	4551.8	3371.8	2495.5	1810.0	1299.0	972.7	777.8
70°	10347.2	8424.3	7119.1	5627.2	4104.4	2877.2	2054.3	1457.1	1042.5	796.3	654.7
72.5°	9916.3	7821.0	6329.0	4781.7	3336.9	2230.8	1506.3	1075.4	796.3	623.9	533.6
75°	8317.6	6298.2	5003.3	3601.6	2409.3	1578.2	1087.7	783.9	599.2	494.6	426.9
77.5°	5928.8	4385.6	3408.7	2366.2	1563.8	1093.8	779.8	589.0	476.1	396.1	346.8
80°	3724.8	2692.5	2076.8	1420.1	974.8	742.9	560.3	465.9	383.8	322.2	289.4
82.5°	2243.1	1567.9	1223.1	882.5	640.3	508.9	412.5	365.3	305.8	266.8	248.3
85°	1522.7	1153.3	802.4	521.3	385.8	299.6	281.2	252.4	227.8	190.9	184.7
87.5°	291.4	412.5	359.1	213.4	141.6	121.1	106.7	102.6	92.3	73.9	84.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
2.5°	3394.4	3390.3	3382.0	3382.0	3375.9	3363.6	3361.5	3353.3	3343.1	3345.1	3343.1
5°	3406.7	3398.5	3388.2	3384.1	3375.9	3363.6	3357.4	3347.2	3336.9	3336.9	3336.9
7.5°	3421.0	3410.8	3402.6	3388.2	3371.8	3359.5	3343.1	3330.7	3324.6	3322.5	3324.6
10°	3433.3	3427.2	3414.9	3394.4	3371.8	3347.2	3330.7	3314.3	3297.9	3300.0	3302.0
12.5°	3460.0	3439.5	3406.7	3375.9	3341.0	3310.2	3281.5	3261.0	3240.4	3240.4	3242.5
15°	3441.6	3382.0	3336.9	3277.4	3238.4	3189.1	3156.3	3137.8	3125.5	3121.4	3123.5
17.5°	3332.8	3261.0	3193.2	3139.9	3086.5	3047.5	3033.2	3020.9	3004.4	3012.6	3004.4
20°	3168.6	3080.4	2983.9	2920.3	2856.7	2830.0	2805.4	2793.1	2782.8	2819.7	2819.7
22.5°	2932.6	2825.9	2727.4	2649.4	2577.6	2548.8	2524.2	2509.9	2516.0	2561.2	2565.3
25°	2635.0	2505.7	2376.5	2329.3	2257.4	2234.9	2220.5	2218.4	2224.6	2269.7	2280.0
27.5°	2319.0	2183.6	2072.7	1964.0	1931.1	1912.7	1886.0	1916.8	1922.9	1972.2	1992.7
30°	1982.4	1836.7	1719.8	1647.9	1578.2	1588.4	1565.8	1602.8	1619.2	1670.5	1686.9
32.5°	1637.7	1500.2	1383.2	1311.4	1262.1	1268.3	1251.8	1284.7	1301.1	1362.7	1393.5
35°	1354.5	1237.5	1143.1	1081.5	1058.9	1036.4	1032.3	1036.4	1052.8	1100.0	1155.4
37.5°	1192.3	1095.9	1028.2	983.0	952.2	937.9	929.7	929.7	929.7	939.9	966.6
40°	1122.6	1036.4	976.9	933.8	913.2	905.0	898.9	892.7	882.5	878.3	880.4
42.5°	1091.8	993.3	929.7	896.8	884.5	884.5	884.5	880.4	870.1	859.9	849.6
45°	1061.0	954.3	890.7	868.1	861.9	864.0	864.0	864.0	855.8	843.5	825.0
47.5°	1022.0	911.2	847.6	833.2	833.2	839.4	841.4	841.4	833.2	820.9	806.5
50°	974.8	855.8	798.3	786.0	779.8	779.8	779.8	779.8	773.7	765.5	755.2
52.5°	950.2	825.0	765.5	753.2	753.2	747.0	745.0	738.8	732.6	726.5	712.1
55°	942.0	812.7	751.1	740.8	740.8	734.7	728.5	722.4	712.1	701.9	687.5
57.5°	919.4	786.0	732.6	724.4	724.4	720.3	714.2	708.0	697.8	683.4	664.9
60°	868.1	740.8	695.7	693.6	693.6	691.6	687.5	687.5	677.2	662.9	640.3
62.5°	802.4	693.6	650.6	650.6	648.5	646.4	638.2	636.2	623.9	605.4	584.9
65°	738.8	652.6	623.9	615.7	611.6	605.4	601.3	591.0	580.8	564.4	543.8
67.5°	658.8	591.0	572.6	564.4	556.1	550.0	543.8	537.7	525.4	513.1	496.6
70°	572.6	523.3	513.1	511.0	500.7	494.6	492.5	486.4	474.1	461.7	441.2
72.5°	490.5	461.7	453.5	453.5	441.2	433.0	428.9	426.9	418.7	408.4	389.9
75°	396.1	375.6	373.5	383.8	383.8	377.6	373.5	377.6	365.3	359.1	340.7
77.5°	324.2	314.0	307.8	311.9	324.2	318.1	309.9	309.9	309.9	299.6	293.5
80°	275.0	266.8	260.6	264.7	262.7	260.6	256.5	248.3	248.3	248.3	246.3
82.5°	248.3	246.3	223.7	223.7	215.5	209.3	205.2	201.1	197.0	197.0	207.3
85°	186.8	192.9	180.6	178.5	168.3	160.1	151.9	147.8	143.7	149.8	170.3
87.5°	90.3	90.3	86.2	96.5	88.2	84.1	78.0	73.9	78.0	96.5	114.9
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°	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
2.5°	3338.9	3336.9	3334.8	3330.7	3322.5	3320.5	3316.4	3316.4	3314.3	3310.2	3314.3
5°	3332.8	3336.9	3336.9	3334.8	3328.7	3332.8	3332.8	3338.9	3338.9	3343.1	3353.3
7.5°	3324.6	3334.8	3343.1	3349.2	3357.4	3363.6	3375.9	3394.4	3402.6	3416.9	3423.1
10°	3308.2	3326.6	3341.0	3359.5	3380.0	3402.6	3421.0	3449.8	3460.0	3480.5	3490.8
12.5°	3261.0	3291.7	3316.4	3353.3	3388.2	3423.1	3455.9	3492.9	3511.3	3533.9	3548.3
15°	3146.0	3180.9	3215.8	3248.6	3310.2	3377.9	3431.3	3480.5	3507.2	3536.0	3550.3
17.5°	3008.5	3031.1	3059.8	3102.9	3162.5	3222.0	3308.2	3377.9	3419.0	3451.8	3455.9
20°	2848.5	2881.3	2901.8	2918.2	2965.4	3006.5	3098.8	3178.9	3232.2	3271.2	3281.5
22.5°	2604.3	2639.1	2674.0	2686.3	2723.3	2776.6	2827.9	2914.1	2990.1	3047.5	3082.4
25°	2325.2	2358.0	2405.2	2442.1	2450.3	2493.4	2544.7	2643.2	2721.2	2813.6	2854.6
27.5°	2046.1	2074.8	2126.1	2146.6	2171.2	2214.3	2255.4	2337.5	2419.6	2526.3	2571.4
30°	1719.8	1781.3	1840.8	1879.8	1900.3	1951.7	1980.4	2060.4	2136.4	2214.3	2280.0
32.5°	1440.7	1496.1	1563.8	1613.0	1637.7	1676.7	1721.8	1789.5	1849.0	1925.0	2000.9
35°	1184.1	1260.1	1305.2	1348.3	1411.9	1430.4	1475.5	1537.1	1572.0	1654.1	1740.3
37.5°	1003.5	1048.7	1093.8	1136.9	1190.3	1214.9	1258.0	1309.3	1350.4	1399.6	1477.6
40°	892.7	917.3	950.2	978.9	1017.9	1048.7	1071.3	1114.4	1145.1	1194.4	1249.8
42.5°	841.4	847.6	851.7	872.2	892.7	913.2	937.9	956.3	993.3	1030.2	1065.1
45°	812.7	800.4	794.2	796.3	804.5	816.8	837.3	857.8	882.5	905.0	925.5
47.5°	788.0	771.6	753.2	742.9	745.0	749.1	765.5	781.9	794.2	812.7	820.9
50°	730.6	716.2	699.8	685.4	687.5	689.5	703.9	716.2	724.4	730.6	740.8
52.5°	693.6	673.1	658.8	644.4	642.3	648.5	660.8	673.1	677.2	681.3	683.4
55°	667.0	646.4	628.0	613.6	607.5	621.8	625.9	642.3	648.5	648.5	650.6
57.5°	646.4	621.8	603.4	589.0	578.7	589.0	599.2	617.7	619.8	615.7	615.7
60°	615.7	597.2	578.7	564.4	554.1	562.3	570.5	591.0	591.0	580.8	578.7
62.5°	562.3	552.0	539.7	533.6	531.5	539.7	545.9	562.3	556.1	543.8	539.7
65°	523.3	515.1	502.8	498.7	496.6	508.9	511.0	521.3	513.1	506.9	504.8
67.5°	476.1	470.0	463.8	461.7	455.6	455.6	459.7	465.9	461.7	461.7	463.8
70°	422.8	414.5	408.4	410.4	406.3	406.3	408.4	412.5	410.4	414.5	418.7
72.5°	373.5	363.2	361.2	361.2	357.1	359.1	359.1	361.2	365.3	367.3	377.6
75°	326.3	316.0	316.0	314.0	314.0	314.0	316.0	320.1	324.2	326.3	330.4
77.5°	283.2	277.0	279.1	277.0	277.0	277.0	277.0	283.2	285.3	287.3	293.5
80°	244.2	244.2	246.3	246.3	244.2	242.2	244.2	248.3	250.4	252.4	254.5
82.5°	221.6	223.7	223.7	223.7	213.4	209.3	215.5	219.6	223.7	225.7	229.8
85°	190.9	182.6	190.9	188.8	174.4	172.4	172.4	174.4	178.5	174.4	174.4
87.5°	123.1	110.8	117.0	117.0	102.6	84.1	106.7	114.9	102.6	108.8	108.8
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: P159162

CATALOG NUMBER: VST-E10-LED-E-U-SLR-7060

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
2.5°	3320.5	3316.4	3318.4	3318.4	3322.5	3316.4	3324.6	3332.8	3334.8	3334.8	3336.9
5°	3363.6	3359.5	3373.8	3367.7	3382.0	3380.0	3390.3	3398.5	3402.6	3402.6	3402.6
7.5°	3431.3	3445.7	3453.9	3476.4	3478.5	3490.8	3501.1	3511.3	3507.2	3509.3	3507.2
10°	3507.2	3525.7	3546.2	3568.8	3570.8	3585.2	3601.6	3611.9	3607.8	3605.7	3599.6
12.5°	3572.9	3585.2	3609.8	3632.4	3644.7	3667.3	3683.7	3691.9	3691.9	3685.8	3679.6
15°	3568.8	3587.3	3613.9	3646.8	3669.4	3702.2	3730.9	3749.4	3751.4	3745.3	3743.2
17.5°	3478.5	3505.2	3529.8	3575.0	3616.0	3661.1	3708.3	3735.0	3759.7	3774.0	3782.2
20°	3316.4	3349.2	3384.1	3443.6	3499.0	3558.5	3613.9	3652.9	3689.9	3733.0	3784.3
22.5°	3125.5	3174.8	3224.0	3300.0	3367.7	3435.4	3499.0	3546.2	3603.7	3677.6	3774.0
25°	2901.8	2953.1	3014.7	3102.9	3189.1	3287.6	3382.0	3476.4	3587.3	3714.5	3864.3
27.5°	2637.1	2694.6	2774.6	2881.3	2979.8	3080.4	3228.1	3377.9	3558.5	3722.7	3893.0
30°	2374.4	2448.3	2534.5	2641.2	2739.7	2883.4	3031.1	3215.8	3406.7	3591.4	3794.5
32.5°	2091.2	2183.6	2290.3	2378.5	2489.3	2635.0	2782.8	2979.8	3183.0	3400.5	3624.2
35°	1818.3	1906.5	1990.6	2089.2	2200.0	2337.5	2481.1	2669.9	2926.5	3158.4	3425.1
37.5°	1541.2	1623.3	1682.8	1760.8	1857.3	2009.1	2163.0	2380.6	2622.7	2908.0	3174.8
40°	1299.0	1366.8	1434.5	1496.1	1578.2	1721.8	1886.0	2099.4	2337.5	2614.5	2912.1
42.5°	1106.1	1157.4	1231.3	1305.2	1375.0	1498.1	1652.0	1861.4	2097.4	2380.6	2678.1
45°	944.0	978.9	1038.4	1100.0	1186.2	1288.8	1436.5	1650.0	1890.1	2175.3	2489.3
47.5°	827.0	843.5	884.5	948.1	1028.2	1128.7	1256.0	1448.9	1682.8	1970.1	2300.5
50°	747.0	765.5	786.0	839.4	911.2	1013.8	1118.5	1286.7	1500.2	1781.3	2109.7
52.5°	691.6	699.8	708.0	740.8	806.5	892.7	1003.5	1130.8	1346.3	1615.1	1910.6
55°	658.8	660.8	667.0	683.4	732.6	812.7	909.1	1030.2	1198.5	1453.0	1754.6
57.5°	619.8	623.9	630.0	640.3	671.1	742.9	825.0	923.5	1063.0	1276.5	1565.8
60°	582.8	593.1	603.4	609.5	625.9	669.0	738.8	816.8	929.7	1089.7	1319.6
62.5°	543.8	556.1	564.4	570.5	576.7	603.4	654.7	706.0	775.7	880.4	1052.8
65°	508.9	517.2	523.3	527.4	531.5	539.7	562.3	582.8	603.4	667.0	792.2
67.5°	470.0	474.1	476.1	478.2	476.1	476.1	478.2	486.4	494.6	519.2	578.7
70°	424.8	431.0	431.0	433.0	433.0	426.9	426.9	426.9	426.9	433.0	465.9
72.5°	381.7	389.9	389.9	392.0	389.9	387.9	387.9	387.9	394.0	398.1	410.4
75°	340.7	348.9	346.8	348.9	350.9	350.9	355.0	357.1	363.2	365.3	373.5
77.5°	299.6	305.8	307.8	305.8	309.9	314.0	322.2	326.3	328.4	330.4	332.5
80°	260.6	264.7	262.7	256.5	266.8	272.9	285.3	299.6	295.5	297.6	301.7
82.5°	215.5	209.3	205.2	209.3	215.5	223.7	236.0	254.5	256.5	266.8	264.7
85°	166.2	147.8	145.7	156.0	153.9	164.2	184.7	199.1	211.4	221.6	211.4
87.5°	98.5	88.2	73.9	69.8	75.9	100.6	104.7	127.2	137.5	141.6	127.2
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: P159162

CATALOG NUMBER: VST-E10-LED-E-U-SLR-7060

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
2.5°	3523.6	3533.9	3533.9	3538.0	3544.2	3546.2	3554.4	3568.8	3570.8	3570.8	3577.0
5°	3589.3	3599.6	3599.6	3607.8	3609.8	3620.1	3630.4	3646.8	3655.0	3652.9	3679.6
7.5°	3696.0	3687.8	3681.7	3694.0	3700.1	3712.4	3733.0	3747.3	3761.7	3784.3	3821.2
10°	3786.3	3774.0	3767.9	3776.1	3780.2	3794.5	3806.9	3827.4	3862.3	3897.1	3942.3
12.5°	3860.2	3845.8	3829.4	3833.5	3839.7	3858.2	3878.7	3905.4	3956.7	4001.8	4069.5
15°	3921.8	3901.3	3884.8	3893.0	3907.4	3932.0	3966.9	4014.1	4098.3	4176.2	4266.5
17.5°	3981.3	3977.2	3971.0	3997.7	4008.0	4065.4	4116.7	4202.9	4317.9	4434.8	4564.1
20°	4038.8	4083.9	4106.5	4159.8	4192.7	4270.7	4348.6	4453.3	4599.0	4759.1	4935.6
22.5°	4118.8	4241.9	4317.9	4426.6	4482.0	4566.2	4681.1	4818.6	4980.7	5185.9	5411.7
25°	4309.6	4490.2	4642.1	4812.4	4952.0	5081.3	5218.8	5385.0	5619.0	5805.7	6101.2
27.5°	4393.8	4648.3	4876.1	5116.2	5325.5	5524.6	5742.1	5943.2	6220.3	6472.7	6829.8
30°	4313.7	4601.1	4896.6	5210.6	5516.3	5818.0	6134.1	6441.9	6762.0	7115.0	7494.7
32.5°	4166.0	4488.2	4820.6	5190.0	5569.7	5961.7	6372.1	6819.5	7271.0	7710.2	8098.0
35°	4016.2	4363.0	4732.4	5155.2	5602.5	6088.9	6597.9	7164.3	7761.5	8317.6	8824.5
37.5°	3798.6	4180.4	4603.1	5091.5	5623.1	6222.3	6877.0	7574.7	8329.9	9095.4	9760.3
40°	3536.0	3940.2	4402.0	4964.3	5602.5	6359.8	7211.5	8106.2	9076.9	10010.7	10827.5
42.5°	3295.9	3689.9	4182.4	4794.0	5549.2	6480.9	7529.6	8643.9	9793.2	10837.7	11904.9
45°	3084.5	3519.5	4014.1	4674.9	5522.5	6583.5	7765.6	9046.1	10361.6	11605.3	12865.3
47.5°	2891.6	3343.1	3897.1	4609.3	5510.2	6645.1	7929.7	9308.8	10765.9	12194.2	13657.5
50°	2692.5	3131.7	3724.8	4537.4	5479.4	6643.0	8015.9	9487.4	11049.1	12651.9	14203.4
52.5°	2479.1	2920.3	3515.4	4406.1	5413.7	6606.1	8038.5	9608.5	11272.8	12933.0	14667.2
55°	2284.1	2696.6	3291.7	4186.5	5276.2	6515.8	7987.2	9659.8	11430.8	13212.1	14993.5
57.5°	2060.4	2489.3	3055.7	3884.8	5017.7	6355.7	7841.5	9587.9	11476.0	13398.9	15252.0
60°	1752.6	2173.3	2756.1	3527.8	4613.4	6017.1	7570.6	9370.4	11332.3	13431.7	15436.7
62.5°	1399.6	1762.8	2325.2	3035.2	4044.9	5485.6	7069.9	8882.0	10884.9	13123.9	15342.3
65°	1040.5	1282.6	1767.0	2390.8	3386.1	4685.2	6263.3	8063.1	10010.7	12268.1	14749.2
67.5°	724.4	898.9	1196.4	1660.2	2462.7	3618.0	5112.1	6784.6	8658.3	10683.8	13517.9
70°	547.9	628.0	790.1	1048.7	1594.6	2464.7	3716.6	5206.5	6944.7	8896.3	11566.3
72.5°	467.9	508.9	599.2	718.3	976.9	1498.1	2333.4	3583.2	5124.4	6712.8	8873.8
75°	420.7	455.6	513.1	589.0	691.6	909.1	1368.8	2267.7	3394.4	4496.4	6191.5
77.5°	381.7	412.5	463.8	502.8	558.2	654.7	872.2	1356.5	2033.7	2778.7	3841.7
80°	340.7	359.1	406.3	445.3	488.4	543.8	625.9	851.7	1167.7	1645.9	2265.6
82.5°	291.4	305.8	340.7	394.0	426.9	449.4	474.1	564.4	699.8	892.7	1258.0
85°	225.7	236.0	266.8	305.8	320.1	322.2	326.3	350.9	435.1	669.0	1083.6
87.5°	114.9	127.2	160.1	172.4	145.7	158.0	160.1	170.3	225.7	367.3	373.5
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: P159162
CATALOG NUMBER: VST-E10-LED-E-U-SLR-7060

REPORT N
CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	0°
2.5°	3577.0	3583.2	3597.5	3595.5	3605.7	3605.7	3605.7	3616.0	3609.8	3616.0	3626.3	2.5°
5°	3679.6	3689.9	3710.4	3710.4	3712.4	3706.3	3718.6	3726.8	3716.6	3712.4	3714.5	5°
7.5°	3829.4	3845.8	3862.3	3878.7	3891.0	3884.8	3886.9	3868.4	3864.3	3849.9	3831.5	7.5°
10°	3975.1	4020.3	4051.1	4079.8	4081.8	4075.7	4077.7	4047.0	4040.8	4012.1	3993.6	10°
12.5°	4124.9	4182.4	4231.7	4262.4	4280.9	4285.0	4287.1	4287.1	4258.3	4233.7	4190.6	12.5°
15°	4346.6	4447.1	4523.1	4555.9	4582.6	4607.2	4613.4	4621.6	4599.0	4566.2	4560.0	15°
17.5°	4697.5	4791.9	4892.5	4980.7	5040.2	5044.3	5095.6	5091.5	5138.7	5101.8	5091.5	17.5°
20°	5114.1	5319.3	5424.0	5541.0	5608.7	5641.5	5760.6	5723.6	5758.5	5818.0	5758.5	20°
22.5°	5635.4	5896.0	6047.9	6207.9	6318.8	6398.8	6485.0	6552.7	6647.1	6692.3	6651.2	22.5°
25°	6327.0	6624.5	6805.1	7026.8	7203.3	7346.9	7496.7	7677.3	7675.3	7784.0	7860.0	25°
27.5°	7121.2	7500.8	7763.5	8153.4	8305.3	8547.5	8804.0	9083.1	9132.3	9273.9	9345.8	27.5°
30°	7868.2	8338.1	8859.4	9323.2	9848.6	10207.7	10505.3	10702.3	10999.9	10926.0	10884.9	30°
32.5°	8557.7	9183.6	9926.5	10687.9	11521.1	12089.6	12614.9	12859.2	13043.9	12651.9	12132.7	32.5°
35°	9452.5	10201.5	11051.2	11991.1	13050.0	13856.5	14398.3	14474.2	14369.6	13866.8	13006.9	35°
37.5°	10560.7	11346.7	12313.3	13306.5	14431.1	15188.4	15806.1	15916.9	15639.9	14743.1	13840.1	37.5°
40°	11654.5	12575.9	13624.6	14800.5	15966.2	16799.4	17419.2	17452.0	17000.5	15951.8	14894.9	40°
42.5°	12850.9	13858.6	15026.3	16329.4	17534.1	18377.5	18824.9	18966.5	18328.3	16984.1	15970.3	42.5°
45°	13883.2	15087.9	16389.0	17774.2	19034.3	19834.6	20290.2	20245.1	19473.4	18145.6	16957.4	45°
47.5°	14888.8	16214.5	17585.4	19056.8	20308.7	21117.2	21585.2	21544.1	20565.2	19036.3	17729.0	47.5°
50°	15783.6	17222.2	18687.4	20259.4	21507.2	22248.0	22820.6	22640.0	21402.5	19752.5	18225.7	50°
52.5°	16405.4	18010.2	19541.2	21240.4	22525.1	23226.9	23955.5	23374.7	21897.1	20191.7	18492.5	52.5°
55°	16799.4	18552.0	20148.6	22028.4	23290.5	24129.9	24599.9	23774.9	22087.9	20312.8	18584.8	55°
57.5°	17066.2	18849.6	20505.7	22484.0	23980.1	24684.0	24798.9	23789.2	21964.8	20121.9	18492.5	57.5°
60°	17197.5	18937.8	20667.8	22804.2	24464.4	24850.2	24640.9	23456.8	21540.0	19561.7	17897.3	60°
62.5°	17183.2	18827.0	20583.7	22910.9	24560.9	24610.1	24134.0	22890.4	20758.1	18385.8	16908.2	62.5°
65°	16817.9	18422.7	20109.6	22514.8	24111.4	23900.0	23300.8	21827.3	19237.4	16850.7	16103.7	65°
67.5°	15765.1	17304.2	18870.1	21217.8	22845.2	22640.0	21732.9	19738.2	17470.5	15492.1	15089.9	67.5°
70°	14004.3	15309.5	16684.5	18746.9	20454.4	20177.3	18591.0	17378.1	15719.9	13922.2	13782.6	70°
72.5°	11707.9	12697.0	13694.4	15229.5	16405.4	15839.0	14841.6	14778.0	13437.9	12064.9	12093.7	72.5°
75°	9157.0	9899.9	10365.7	11268.7	12050.6	11543.7	11603.2	11956.2	11515.0	10433.4	10082.5	75°
77.5°	6634.8	7346.9	7494.7	8030.3	8580.3	9157.0	9920.4	10751.5	10891.1	10283.6	9011.3	77.5°
80°	4342.5	5126.4	4835.0	5025.9	5799.5	6852.3	8245.8	9614.6	10084.6	9538.7	7972.8	80°
82.5°	2561.2	3659.1	3195.3	3521.6	4012.1	4929.4	5891.9	6924.2	7710.2	7129.4	6659.4	82.5°
85°	1945.5	2885.4	3055.7	3451.8	3611.9	3650.9	3819.2	4155.7	4562.1	4713.9	4701.6	85°
87.5°	1013.8	2243.1	2518.1	2329.3	2173.3	1883.9	1469.4	1582.3	1446.8	1978.3	1873.7	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°



NUMBER: P159162

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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
3628.3	3622.2	3626.3	3628.3	3628.3	3628.3	3632.4
3712.4	3696.0	3689.9	3689.9	3687.8	3681.7	3679.6
3802.7	3774.0	3763.8	3751.4	3741.2	3735.0	3724.8
3964.9	3940.2	3888.9	3860.2	3833.5	3815.1	3798.6
4182.4	4147.5	4098.3	4061.3	4020.3	4008.0	3987.4
4519.0	4488.2	4445.1	4404.0	4379.4	4336.3	4305.5
5044.3	4982.8	4939.7	4886.3	4826.8	4738.6	4695.5
5735.9	5612.8	5526.6	5479.4	5360.4	5346.0	5241.3
6530.1	6493.2	6361.9	6304.4	6189.5	6144.3	5980.1
7718.4	7689.6	7420.8	7392.1	7215.6	7084.2	6829.8
9280.1	9044.1	8740.4	8529.0	8227.3	7888.7	7455.7
10644.8	10162.5	9698.7	9206.2	8789.6	8303.2	7812.8
11515.0	10868.5	10271.3	9766.5	9251.4	8672.6	8042.6
12278.4	11625.8	10975.2	10378.0	9754.2	9013.3	8235.5
13191.6	12543.1	11810.5	10971.1	10170.8	9263.7	8313.5
14127.4	13368.1	12452.8	11424.7	10419.1	9386.8	8299.1
15085.8	14115.1	12898.1	11726.3	10577.1	9405.3	8202.7
15863.6	14636.4	13228.6	11880.2	10609.9	9341.7	8081.6
16413.6	14970.9	13376.3	11933.6	10568.9	9241.1	7917.4
16727.6	15153.5	13413.3	11894.6	10484.7	9097.5	7738.9
16842.5	15208.9	13376.3	11814.6	10408.8	8943.5	7613.7
16830.2	15178.2	13240.9	11627.8	10205.6	8738.3	7459.8
16598.3	14892.9	12963.8	11404.1	10033.3	8643.9	7470.0
16204.3	14712.3	12881.7	11449.3	10123.6	8847.1	7794.3
16025.7	15073.5	13343.5	11900.8	10587.4	9427.9	8463.3
15925.2	15660.4	14004.3	12387.1	11137.3	10131.8	9261.6
15514.7	15828.7	14379.8	12664.2	11627.8	10837.7	10059.9
14851.9	15436.7	14094.6	12610.8	11898.7	11379.5	10347.2
13468.7	14086.4	12824.3	11824.8	11560.1	11387.7	9916.3
10911.6	11231.8	10513.5	10287.7	10386.2	10388.3	8317.6
8046.7	7853.8	7529.6	7546.0	8208.8	8106.2	5928.8
6569.1	5376.8	4917.1	5091.5	5910.4	5469.1	3724.8
6113.5	4796.0	3958.7	3999.8	4463.6	3523.6	2243.1
4943.8	4371.2	3505.2	3146.0	3053.7	2347.7	1522.7
2068.6	1902.4	1416.0	1276.5	1046.6	640.3	291.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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