

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: P159305

Luminaire Tested: **VST-F02-LED-E-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159305
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F02-LED-E-U-T2
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5096.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



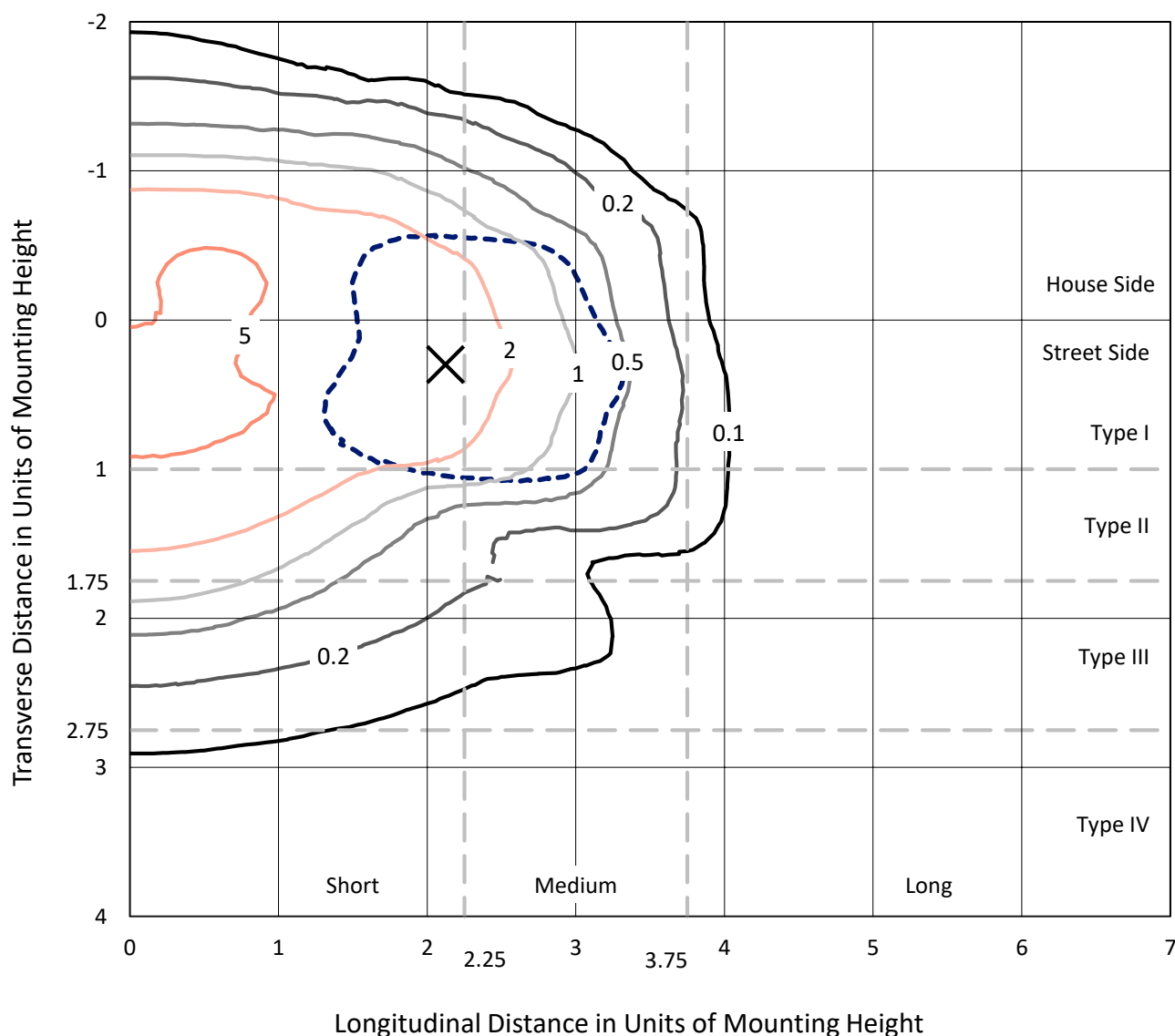
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

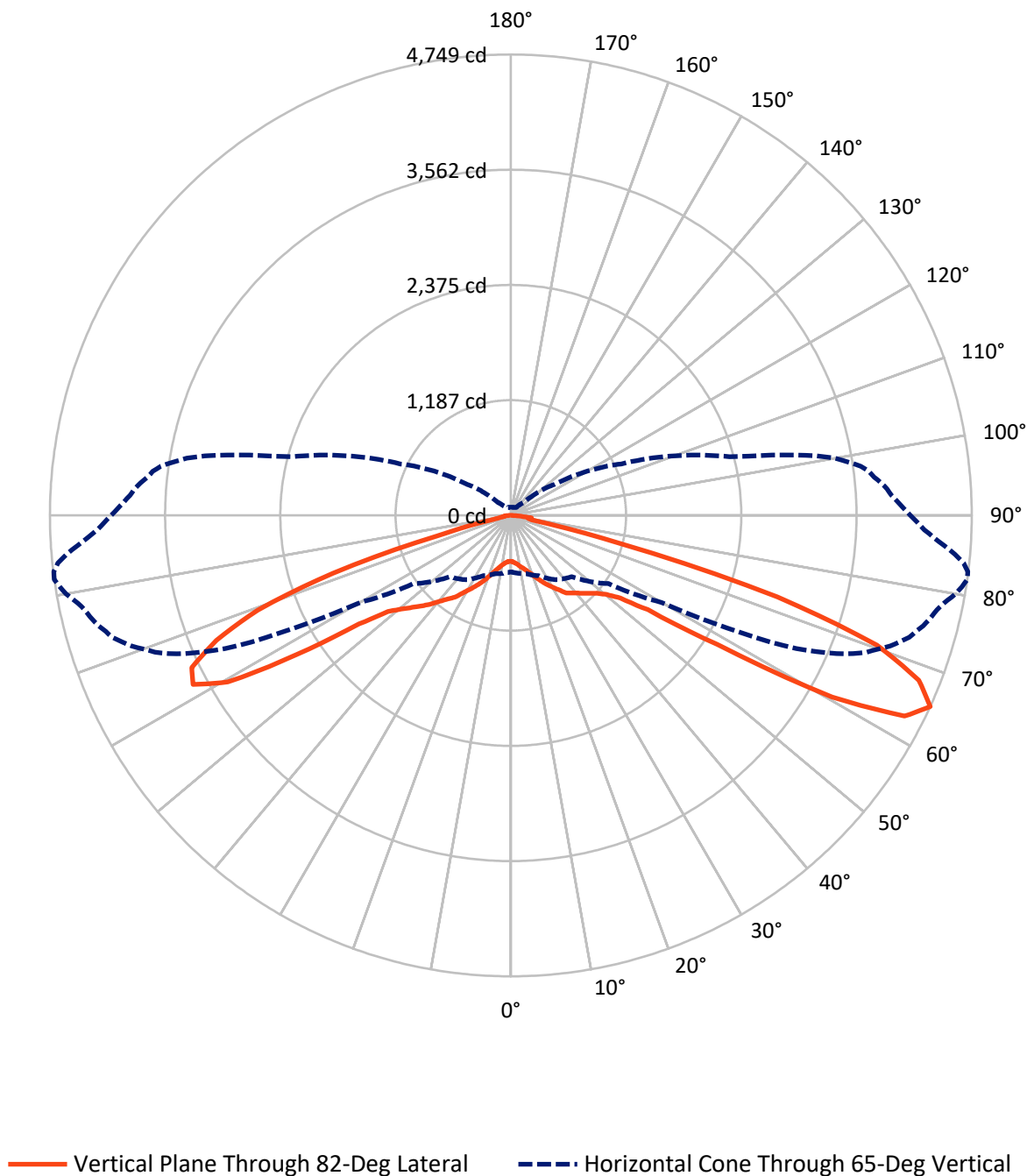


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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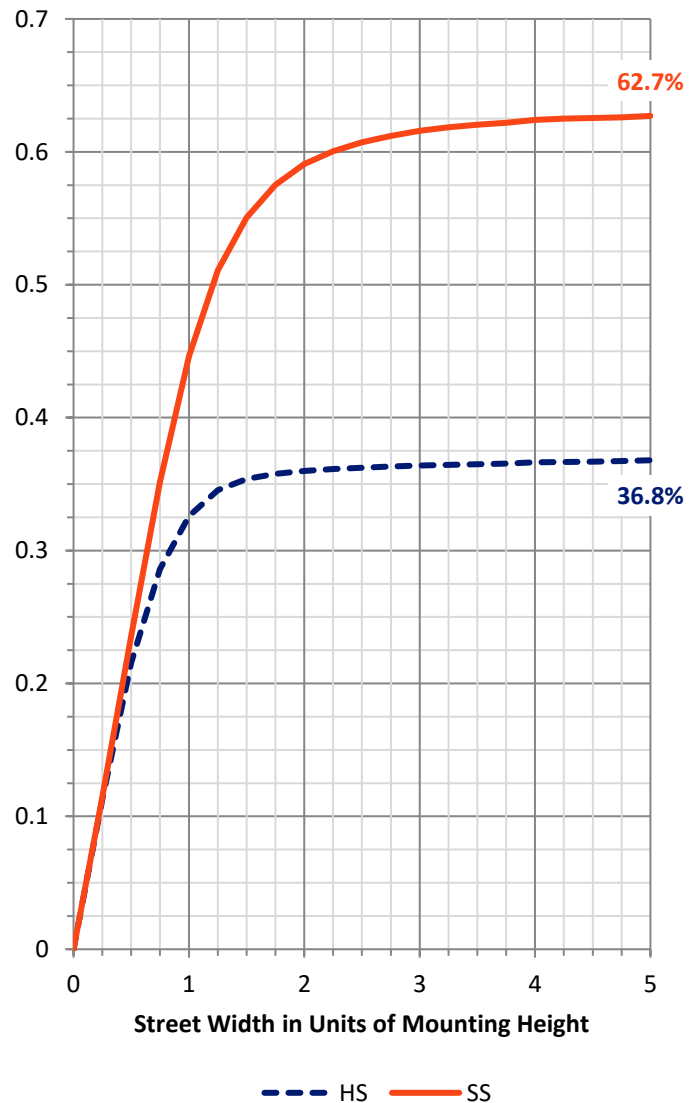
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1897.5	0.0	1897.5
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	3198.8	0.0	3198.8
	% Fixture	62.8	0.0	62.8
Total	Lumens	5096.3	0.0	5096.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	0.9
10°-20°	168.7	3.3
20°-30°	334.2	6.6
30°-40°	572.9	11.2
40°-50°	860.7	16.9
50°-60°	1195.8	23.5
60°-70°	1364.2	26.8
70°-80°	469.9	9.2
80°-90°	81.9	1.6
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°	5096.3	100.0
0°-180°	5096.3	100.0

Coefficient of Utilization



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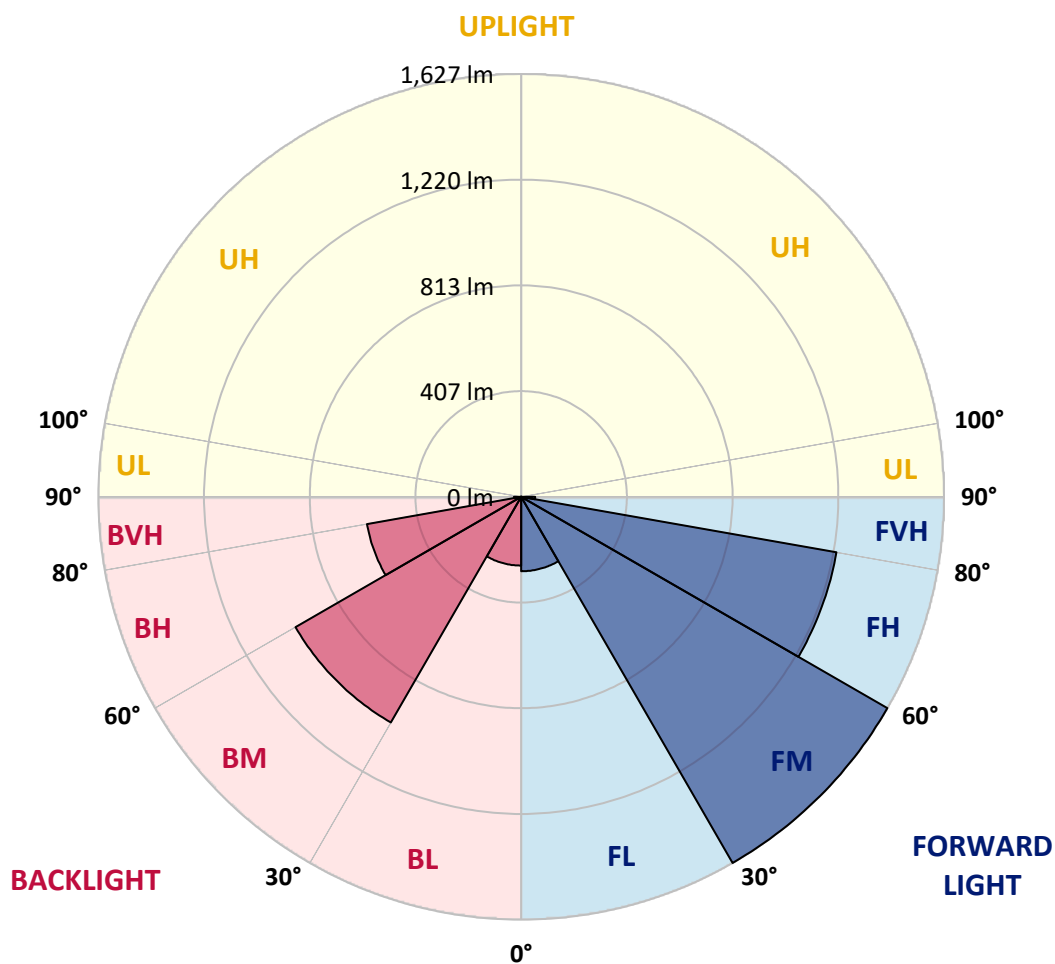
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	286.3	5.6			
FM	(30°-60°)	1626.8	31.9			
FH	(60°-80°)	1231.7	24.2			G1/1800
FVH	(80°-90°)	53.9	1.1			G1/100
BL	(0°-30°)	264.6	5.2	B1/500		
BM	(30°-60°)	1002.5	19.7	B2/2500		
BH	(60°-80°)	602.4	11.8	B2/1000		G2/1000
BVH	(80°-90°)	28.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2
2.5°	499.9	500.3	499.9	499.0	498.6	495.7	492.4	490.7	490.4	489.1	489.4
5°	531.0	530.0	528.7	527.0	525.4	520.4	514.8	511.8	510.8	509.8	508.5
7.5°	558.7	559.4	558.7	556.4	552.1	545.8	538.6	533.9	533.6	532.6	531.7
10°	594.4	596.0	592.1	588.1	582.2	572.6	564.3	558.4	557.4	556.1	555.4
12.5°	633.0	633.4	632.0	623.1	613.2	600.0	588.1	582.2	580.9	579.2	578.5
15°	674.3	674.6	667.4	658.7	643.6	627.7	611.2	604.6	602.9	603.3	600.7
17.5°	707.0	707.6	700.7	689.8	671.6	652.8	635.0	629.7	628.7	629.0	627.7
20°	721.2	722.2	717.9	709.6	692.5	676.0	663.1	659.8	659.4	658.7	661.4
22.5°	720.5	720.8	719.2	715.9	705.7	696.1	694.4	696.4	696.1	696.7	699.1
25°	714.6	715.6	715.3	716.6	714.9	718.6	726.1	733.1	734.0	735.4	739.7
27.5°	729.8	731.8	729.4	730.7	733.4	745.6	761.2	771.7	773.7	777.3	781.0
30°	789.2	786.5	783.6	780.3	781.9	789.5	807.1	816.3	817.3	819.9	824.9
32.5°	877.4	874.4	871.7	866.5	865.1	861.8	867.8	870.1	869.8	872.4	873.7
35°	976.7	977.1	976.4	980.4	983.7	966.8	946.1	940.4	942.7	939.8	940.4
37.5°	1061.6	1062.6	1080.1	1101.9	1108.2	1097.6	1052.0	1029.6	1022.0	1021.0	1013.4
40°	1155.7	1155.7	1182.2	1208.9	1226.4	1239.6	1185.5	1145.8	1129.6	1125.0	1106.2
42.5°	1259.1	1253.8	1277.9	1307.3	1339.7	1369.7	1341.7	1297.1	1274.0	1265.7	1232.7
45°	1343.9	1340.6	1352.5	1379.9	1432.4	1491.2	1495.2	1472.4	1458.5	1441.4	1411.0
47.5°	1396.1	1394.5	1401.4	1431.1	1496.8	1591.9	1645.1	1656.7	1648.4	1635.2	1605.8
50°	1416.6	1414.3	1419.2	1452.2	1525.9	1651.4	1768.9	1823.4	1827.4	1830.4	1821.1
52.5°	1409.3	1406.3	1416.6	1444.3	1520.9	1672.2	1865.7	1970.3	1987.9	2002.7	2033.1
55°	1339.7	1335.1	1362.8	1414.9	1499.5	1664.6	1936.4	2111.7	2148.7	2188.3	2255.6
57.5°	1233.0	1229.0	1269.0	1340.6	1461.5	1643.8	1983.9	2290.3	2373.5	2444.9	2636.0
60°	1130.3	1127.0	1150.4	1219.8	1338.4	1542.4	1925.1	2350.4	2490.1	2644.0	2993.0
62.5°	946.7	937.8	969.2	1027.6	1102.6	1276.0	1668.5	2216.7	2432.0	2658.2	3131.4
65°	581.8	594.7	621.8	686.5	809.3	891.9	1225.4	1793.4	2077.4	2361.0	2974.9
67.5°	369.5	373.1	393.3	438.2	533.3	616.2	742.6	1125.4	1344.3	1623.3	2335.6
70°	316.7	319.0	336.2	383.0	448.7	550.8	562.0	587.8	666.4	844.0	1373.0
72.5°	249.7	253.6	267.1	307.7	387.0	496.6	693.8	464.6	448.7	463.6	670.0
75°	148.6	153.2	164.5	186.5	248.6	379.7	726.8	540.5	503.9	475.2	462.3
77.5°	78.6	75.3	82.9	95.8	127.8	202.4	546.2	662.4	636.7	602.3	529.3
80°	38.9	40.3	42.6	45.2	57.1	82.2	273.1	685.2	759.5	792.5	727.8
82.5°	15.5	17.5	24.8	26.4	31.4	35.0	87.8	379.7	543.8	737.7	963.2
85°	7.9	7.6	13.2	15.8	18.5	16.5	31.0	141.7	254.9	397.3	643.6
87.5°	1.0	1.3	3.0	4.0	5.6	5.3	8.9	30.7	48.9	69.4	97.4
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2
2.5°	487.7	487.4	487.4	486.1	486.1	486.4	485.4	484.7	484.7	485.1	483.8
5°	507.5	506.5	506.5	505.2	503.6	503.6	502.3	501.9	501.2	499.9	499.0
7.5°	530.6	529.7	528.0	527.0	526.4	525.4	523.7	523.1	521.8	520.4	519.1
10°	554.4	553.1	552.4	550.8	550.1	548.2	547.1	547.5	544.9	543.8	544.2
12.5°	578.2	576.9	574.6	573.9	573.6	571.6	570.6	569.9	568.0	567.7	566.6
15°	599.3	600.0	599.0	597.4	596.0	595.7	594.7	594.1	592.7	591.4	590.1
17.5°	626.8	627.7	626.4	624.1	624.1	623.8	624.1	623.8	621.5	622.4	621.8
20°	661.7	662.4	659.1	660.1	660.8	660.4	661.4	662.4	661.7	661.7	662.8
22.5°	702.0	703.0	701.0	702.4	704.3	702.7	705.7	705.3	706.0	707.0	707.3
25°	743.3	745.3	743.6	747.2	745.9	747.2	750.9	749.9	751.6	754.2	755.2
27.5°	784.6	785.9	786.2	788.5	790.9	792.8	797.5	797.5	798.8	803.4	803.4
30°	827.8	829.1	830.5	833.8	835.1	838.7	843.4	844.7	844.0	850.6	852.6
32.5°	877.7	879.0	881.3	885.3	886.9	890.6	890.6	894.2	896.9	902.5	902.8
35°	944.1	945.1	944.1	943.7	946.1	951.0	951.4	956.6	958.9	964.6	966.2
37.5°	1010.5	1010.1	1005.8	1001.2	1001.5	999.5	998.2	1000.6	1001.5	1001.9	1005.5
40°	1099.9	1091.3	1084.7	1073.2	1067.9	1059.7	1054.7	1054.4	1049.1	1048.4	1049.4
42.5°	1217.2	1207.3	1191.7	1172.2	1157.4	1142.2	1130.9	1124.3	1112.8	1106.9	1101.9
45°	1381.0	1356.5	1338.0	1314.9	1286.2	1259.8	1232.0	1219.4	1197.4	1183.8	1168.6
47.5°	1581.1	1556.9	1528.6	1504.7	1467.1	1430.5	1392.5	1359.1	1320.5	1289.8	1264.7
50°	1798.3	1784.1	1763.6	1741.5	1693.0	1668.9	1621.0	1575.8	1534.1	1479.4	1431.5
52.5°	2021.2	2029.5	2024.8	2016.9	1986.2	1976.9	1935.7	1880.5	1838.6	1801.0	1717.7
55°	2296.0	2305.9	2325.7	2337.2	2333.6	2357.0	2346.8	2303.9	2287.0	2269.6	2210.4
57.5°	2716.3	2787.0	2862.6	2929.0	2944.5	3027.7	3009.8	3052.8	3083.2	3061.4	3042.2
60°	3164.4	3307.1	3435.5	3569.9	3679.2	3761.1	3869.4	3942.4	3988.3	4070.8	4077.4
62.5°	3345.0	3538.9	3702.0	3857.8	3987.6	4101.2	4198.9	4299.7	4382.2	4456.9	4510.7
65°	3245.9	3448.4	3646.2	3804.4	3929.2	4026.9	4133.2	4213.1	4294.4	4342.3	4398.7
67.5°	2698.5	2966.6	3210.0	3388.3	3559.0	3658.4	3784.2	3862.8	3949.0	3999.5	4035.8
70°	1759.4	2108.4	2440.9	2711.3	2941.9	3057.7	3209.6	3317.0	3420.7	3423.3	3483.7
72.5°	949.4	1241.3	1519.6	1796.0	2058.8	2213.0	2363.0	2493.4	2596.4	2552.5	2612.6
75°	528.7	665.4	817.6	983.7	1143.8	1232.0	1343.9	1344.6	1397.8	1314.2	1335.4
77.5°	508.5	502.3	504.5	509.2	517.1	500.3	499.9	489.7	473.9	445.1	450.1
80°	668.0	588.1	530.6	440.5	354.7	289.3	271.1	275.4	288.3	314.0	346.7
82.5°	965.9	898.5	802.1	660.1	518.1	399.5	328.2	291.2	289.6	315.4	364.9
85°	703.3	743.9	737.7	615.8	507.8	412.4	300.2	253.6	210.0	199.8	217.3
87.5°	103.7	85.9	96.8	80.9	58.8	45.5	40.0	32.0	30.7	31.4	34.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2
2.5°	484.1	482.8	481.4	482.5	481.4	481.1	480.1	479.5	479.2	479.2	479.2
5°	499.0	497.3	496.3	496.0	495.0	494.0	493.7	492.0	491.7	491.7	490.7
7.5°	519.1	517.7	516.1	515.1	514.4	512.8	511.1	510.8	510.5	509.2	508.2
10°	542.5	540.5	538.6	538.6	537.2	536.9	535.3	533.0	532.6	530.6	530.0
12.5°	564.7	564.0	561.7	561.0	560.0	559.0	558.1	557.0	556.1	554.4	555.1
15°	591.1	589.4	587.5	587.8	587.5	586.1	584.8	583.8	583.1	582.5	582.5
17.5°	622.8	622.1	621.8	620.2	618.8	619.8	619.8	619.8	618.2	618.5	618.8
20°	663.1	663.7	663.1	661.7	661.4	662.4	660.1	663.7	661.7	660.4	661.1
22.5°	707.6	710.0	707.3	707.6	709.3	710.0	707.6	710.6	709.6	707.6	709.3
25°	756.2	757.9	756.5	756.2	757.2	759.5	759.2	758.8	761.2	759.2	760.1
27.5°	806.0	807.1	807.7	808.7	809.3	809.0	810.4	810.4	811.7	809.3	810.4
30°	855.6	855.6	856.9	858.2	858.2	858.2	860.9	861.2	859.2	859.9	857.6
32.5°	908.4	908.8	910.1	910.1	912.7	913.0	916.0	912.1	916.0	912.7	913.4
35°	970.5	974.8	975.4	978.7	981.4	982.4	982.4	982.7	986.3	983.7	984.7
37.5°	1006.8	1007.8	1010.5	1012.1	1012.1	1013.4	1014.4	1013.4	1014.4	1014.1	1015.1
40°	1049.8	1048.7	1051.7	1052.4	1051.1	1052.7	1052.4	1051.4	1054.0	1052.0	1053.4
42.5°	1101.9	1096.3	1096.0	1098.6	1096.0	1097.3	1097.0	1094.6	1097.9	1099.0	1097.9
45°	1157.7	1154.8	1148.8	1148.8	1146.2	1145.2	1145.5	1145.2	1145.5	1149.5	1150.8
47.5°	1248.5	1230.4	1220.1	1210.6	1202.6	1202.3	1198.7	1200.7	1203.3	1209.9	1215.8
50°	1400.8	1358.8	1333.1	1309.3	1292.1	1286.2	1279.3	1278.6	1280.9	1288.5	1298.7
52.5°	1672.2	1614.1	1559.3	1508.4	1464.2	1430.2	1413.3	1404.4	1401.1	1408.7	1418.6
55°	2168.8	2059.2	1981.9	1930.4	1820.5	1773.9	1714.1	1686.7	1660.0	1662.6	1679.5
57.5°	3017.5	2958.4	2893.6	2803.5	2736.1	2654.9	2505.7	2422.4	2426.0	2445.5	2384.8
60°	4129.6	4069.9	4043.1	3961.2	3914.3	3881.6	3802.4	3664.3	3615.5	3606.2	3494.6
62.5°	4552.0	4566.1	4587.3	4610.4	4609.1	4623.2	4553.9	4509.0	4452.5	4379.2	4268.9
65°	4441.7	4477.6	4520.6	4582.7	4653.3	4705.5	4749.4	4744.1	4691.3	4593.5	4477.0
67.5°	4068.2	4103.8	4135.2	4218.4	4334.3	4440.4	4534.1	4597.9	4562.5	4481.6	4345.6
70°	3506.8	3532.6	3552.4	3624.7	3751.9	3881.3	4003.8	4110.8	4099.9	4001.8	3893.2
72.5°	2540.9	2603.4	2637.1	2632.1	2710.7	2855.6	2872.8	2964.3	2989.7	2884.1	2711.0
75°	1238.0	1238.9	1200.0	1187.1	1191.1	1216.1	1168.3	1171.3	1154.8	1079.8	1018.0
77.5°	432.6	420.7	392.3	358.6	310.4	265.1	219.2	199.4	192.8	173.3	159.8
80°	372.8	390.3	384.7	356.9	306.1	244.0	182.3	135.1	115.3	108.3	101.7
82.5°	423.3	490.7	533.6	531.3	461.6	346.7	216.3	124.1	88.5	77.6	71.3
85°	236.1	253.9	258.9	235.7	195.8	133.7	74.6	52.5	44.6	40.6	36.7
87.5°	37.6	34.3	33.7	29.4	27.7	25.4	22.4	21.1	19.5	18.5	18.5
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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CATALOG NUMBER: VST-F02-LED-E-U-T2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2
2.5°	478.8	478.5	477.5	476.5	475.9	475.5	475.2	474.5	474.2	473.9	473.2
5°	490.0	489.4	487.7	486.1	485.4	484.4	483.4	482.8	482.1	481.8	480.5
7.5°	507.5	506.9	504.9	503.6	503.2	500.6	500.3	499.3	497.6	497.3	495.3
10°	528.7	528.4	526.7	525.7	525.1	523.7	521.8	520.1	518.4	518.4	517.1
12.5°	553.1	551.8	552.8	550.4	549.8	548.5	547.5	547.1	545.2	543.5	543.2
15°	581.8	580.2	580.2	579.5	578.9	577.6	577.2	577.6	575.6	576.2	574.3
17.5°	617.5	618.2	617.8	617.8	616.2	616.2	613.6	616.9	614.5	616.2	615.5
20°	662.1	662.4	661.7	662.8	663.4	663.1	662.8	662.4	663.4	664.7	663.7
22.5°	709.6	709.6	709.3	712.9	709.0	712.0	712.9	710.9	716.2	715.6	716.6
25°	761.2	761.2	763.8	766.7	767.4	765.1	766.4	764.8	768.1	770.7	771.4
27.5°	809.0	813.3	815.3	813.3	815.0	818.6	818.3	818.3	820.6	819.9	826.2
30°	858.2	860.9	863.5	862.2	862.9	867.5	867.8	868.1	871.1	875.4	880.0
32.5°	914.3	917.0	915.7	920.0	919.6	925.3	926.2	927.2	936.5	934.8	944.4
35°	983.3	986.0	984.7	989.3	988.6	990.6	994.3	998.2	999.9	1009.4	1017.1
37.5°	1015.7	1015.7	1018.7	1024.0	1025.9	1029.2	1034.9	1039.9	1048.1	1058.3	1070.2
40°	1054.7	1055.7	1059.7	1065.2	1068.9	1076.5	1086.7	1093.7	1106.2	1117.4	1131.3
42.5°	1101.9	1106.2	1110.8	1118.4	1126.3	1138.3	1152.8	1161.7	1178.2	1192.7	1209.9
45°	1157.0	1161.4	1172.2	1186.1	1197.7	1210.9	1222.7	1243.9	1258.7	1274.0	1288.8
47.5°	1223.8	1236.3	1245.2	1261.7	1276.0	1293.4	1308.3	1328.1	1344.3	1362.8	1375.3
50°	1309.3	1324.8	1336.4	1357.8	1371.7	1391.2	1410.0	1424.9	1441.4	1459.5	1469.8
52.5°	1432.1	1448.0	1462.5	1489.3	1506.4	1519.6	1544.7	1563.2	1578.4	1591.6	1602.8
55°	1698.2	1693.6	1733.9	1785.8	1791.7	1839.6	1848.5	1864.0	1892.1	1896.1	1927.4
57.5°	2458.7	2435.0	2493.4	2569.4	2556.2	2532.1	2632.7	2639.0	2624.8	2662.8	2619.9
60°	3511.1	3469.5	3485.3	3506.2	3476.1	3461.9	3466.9	3481.1	3467.2	3452.0	3410.4
62.5°	4213.8	4149.7	4103.8	4065.2	4016.3	3981.0	3941.4	3892.5	3879.3	3823.9	3777.3
65°	4363.7	4264.0	4191.4	4118.4	4051.0	3988.6	3928.9	3886.9	3831.4	3765.7	3717.2
67.5°	4198.9	4075.4	3969.1	3863.1	3786.8	3695.0	3650.2	3581.8	3513.4	3438.1	3393.5
70°	3720.1	3591.4	3457.6	3353.9	3250.3	3136.7	3114.5	3033.7	2994.4	2891.6	2873.8
72.5°	2567.7	2481.8	2422.1	2294.0	2230.9	2172.8	2154.3	2079.4	2087.3	1974.7	2015.6
75°	913.0	900.8	883.3	811.0	798.1	775.7	769.7	764.5	817.9	743.6	797.5
77.5°	156.8	155.9	146.9	142.7	150.9	145.6	146.9	144.3	159.8	162.1	158.5
80°	97.4	94.8	91.8	89.8	90.1	88.1	88.5	89.2	90.1	89.8	90.8
82.5°	66.7	64.4	63.1	61.7	63.7	64.4	66.1	67.7	70.3	72.0	74.0
85°	36.3	33.4	33.4	33.0	35.6	37.6	40.3	43.6	48.2	52.2	56.5
87.5°	18.5	17.8	18.2	18.8	21.1	22.8	26.1	29.0	33.0	37.3	41.3
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2	474.2
2.5°	472.9	472.9	472.6	472.6	472.2	471.9	471.5	470.5	466.9	463.6	461.3
5°	480.1	479.2	478.8	477.8	477.5	476.8	475.9	474.8	468.2	462.3	458.0
7.5°	495.0	493.7	493.0	492.0	491.0	489.7	488.4	487.4	479.5	472.6	467.2
10°	514.4	513.8	513.5	512.2	512.2	510.2	509.8	507.5	499.0	492.7	488.0
12.5°	541.6	540.2	539.9	538.3	538.9	538.3	537.6	536.3	530.0	522.7	516.4
15°	575.2	575.2	573.6	572.3	572.6	571.9	573.2	571.6	567.7	561.0	550.8
17.5°	615.8	615.2	615.8	614.9	615.5	616.2	614.5	614.9	612.8	604.6	589.4
20°	663.1	662.1	666.1	664.4	668.0	664.7	665.4	666.4	666.4	655.4	635.0
22.5°	717.2	716.6	716.6	719.9	721.2	721.5	722.8	723.8	726.5	712.6	679.9
25°	771.4	773.7	774.0	778.3	780.3	780.3	781.3	784.9	792.8	773.7	731.4
27.5°	826.5	832.1	833.5	836.4	839.4	842.3	844.7	847.3	860.2	839.4	784.3
30°	881.6	887.9	892.6	895.9	899.5	906.8	908.1	913.4	934.8	909.4	834.4
32.5°	946.4	955.3	961.3	965.5	971.2	978.1	982.0	988.6	1009.4	967.9	871.1
35°	1023.7	1028.9	1037.5	1044.8	1048.1	1060.0	1066.3	1067.9	1083.7	1018.4	898.2
37.5°	1077.1	1086.1	1100.9	1111.1	1117.1	1123.7	1134.3	1141.2	1156.4	1064.3	911.7
40°	1145.2	1158.7	1170.6	1185.8	1195.4	1200.3	1210.9	1216.5	1218.5	1103.6	907.4
42.5°	1228.1	1240.3	1256.1	1268.3	1275.6	1281.2	1289.8	1292.1	1266.4	1122.1	884.3
45°	1306.0	1324.8	1338.4	1347.2	1352.5	1355.5	1360.8	1361.1	1306.0	1112.8	844.7
47.5°	1389.8	1403.4	1415.9	1422.2	1421.6	1422.2	1420.3	1418.9	1325.8	1080.8	793.8
50°	1482.7	1491.5	1496.8	1499.8	1501.4	1495.2	1486.3	1480.3	1327.4	1035.2	742.3
52.5°	1607.2	1618.4	1617.4	1617.1	1603.8	1597.9	1574.1	1561.9	1317.8	981.7	684.2
55°	1922.5	1911.6	1890.1	1900.7	1846.9	1818.8	1781.8	1747.5	1330.4	930.8	616.9
57.5°	2637.1	2641.3	2580.2	2547.5	2456.8	2343.2	2251.7	2162.9	1443.4	899.8	529.0
60°	3382.7	3326.5	3248.9	3130.7	3013.8	2845.1	2682.3	2528.4	1555.9	867.5	425.0
62.5°	3708.2	3628.3	3511.1	3358.3	3174.7	2968.3	2765.5	2578.0	1501.4	762.8	309.1
65°	3642.2	3520.0	3390.6	3211.6	2988.4	2762.2	2525.5	2333.9	1256.1	569.0	190.6
67.5°	3296.8	3193.1	3056.4	2844.1	2605.4	2369.9	2153.0	1938.4	933.2	354.7	106.7
70°	2782.7	2681.3	2542.6	2325.4	2086.9	1861.7	1631.9	1456.9	594.7	171.1	76.9
72.5°	1930.4	1848.2	1750.1	1595.2	1386.2	1181.5	1025.9	891.5	329.5	90.8	70.3
75°	783.9	784.3	766.4	701.0	592.4	510.8	435.5	369.5	137.7	77.3	69.4
77.5°	177.7	180.6	197.5	187.2	168.7	157.9	141.3	124.8	83.9	79.6	70.0
80°	89.8	90.1	89.2	89.5	88.5	88.8	87.5	86.5	78.6	81.9	70.0
82.5°	74.9	76.6	76.3	76.3	76.6	76.6	76.6	76.3	81.5	86.2	67.7
85°	59.5	62.8	65.4	68.0	71.0	73.0	74.0	74.9	79.3	84.8	61.4
87.5°	44.9	48.9	52.2	54.8	59.5	59.5	62.8	65.0	65.0	66.4	32.3
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):

	145°	155°	165°	175°	180°
0°	474.2	474.2	474.2	474.2	474.2
2.5°	458.0	456.7	455.3	454.7	453.4
5°	454.7	452.0	450.4	450.4	449.1
7.5°	464.3	463.3	461.0	459.7	461.0
10°	484.7	483.1	480.5	478.5	479.5
12.5°	512.2	505.6	500.3	497.9	496.3
15°	540.5	527.3	516.8	510.8	509.2
17.5°	571.0	547.8	532.0	523.1	521.4
20°	602.0	573.2	550.8	539.2	538.9
22.5°	639.3	601.0	572.3	557.0	556.1
25°	678.6	625.7	587.8	568.3	566.3
27.5°	712.6	645.5	597.4	574.3	572.3
30°	741.0	660.4	605.3	578.5	575.9
32.5°	761.5	669.0	608.6	579.8	576.9
35°	768.1	665.7	599.3	568.0	564.7
37.5°	759.2	644.2	573.6	538.9	535.0
40°	732.4	606.6	531.7	496.0	491.0
42.5°	691.4	560.3	481.1	447.1	440.8
45°	640.9	508.2	430.9	392.9	390.0
47.5°	588.1	453.4	374.5	340.1	336.5
50°	531.0	390.0	319.3	282.0	282.0
52.5°	463.0	328.2	255.2	227.2	224.9
55°	384.7	258.5	203.4	181.9	179.0
57.5°	300.5	198.8	162.5	149.9	146.6
60°	220.9	149.3	130.7	123.8	122.5
62.5°	149.9	113.6	105.4	102.4	102.1
65°	101.4	88.5	86.2	85.2	85.5
67.5°	77.9	73.6	72.7	72.3	72.3
70°	67.7	65.0	64.1	64.4	64.1
72.5°	63.7	60.1	60.4	61.1	60.8
75°	62.4	57.8	59.1	59.5	58.1
77.5°	61.4	55.1	58.4	59.5	55.8
80°	59.5	52.9	60.8	61.1	54.8
82.5°	54.5	46.9	60.8	56.2	49.6
85°	46.2	35.6	68.7	48.9	36.7
87.5°	29.4	21.1	46.6	33.4	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)