

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: P165071

Luminaire Tested: **VST-F07-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165071
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F07-LED-E-U-SL2-HSS-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (49) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9561.9 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 180.5
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

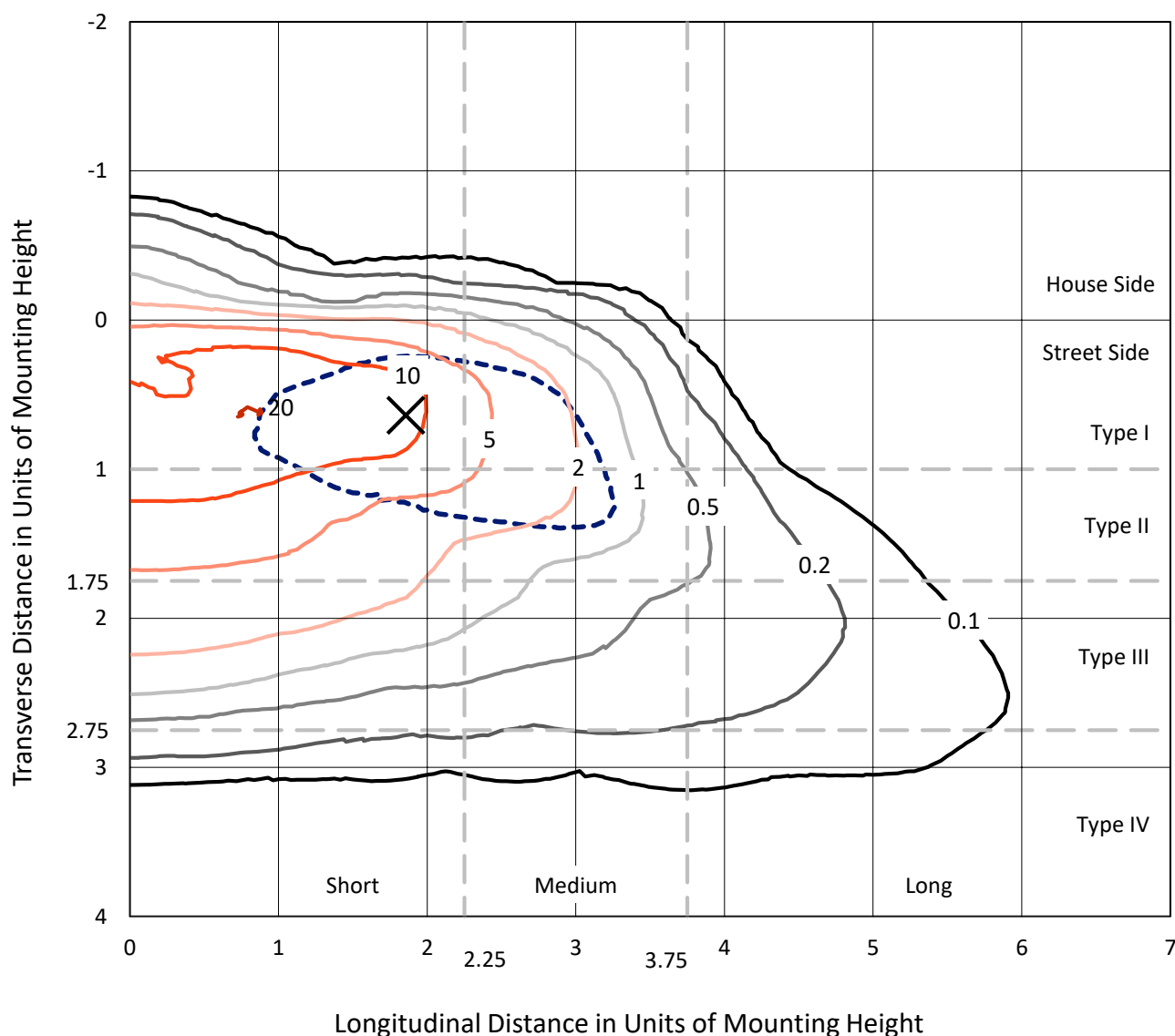


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

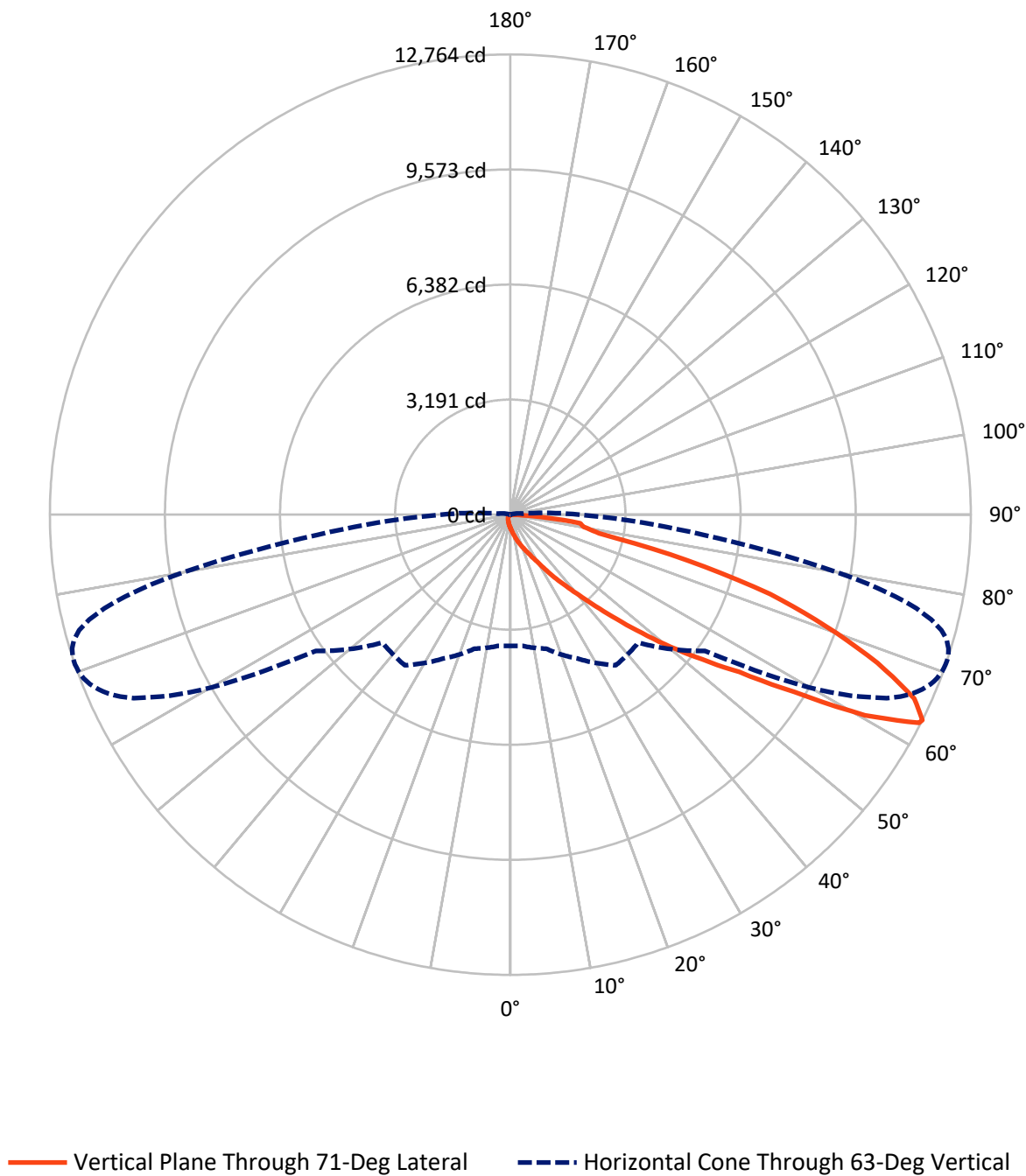


Based on 10 foot mounting height. Maximum calculated value = 20.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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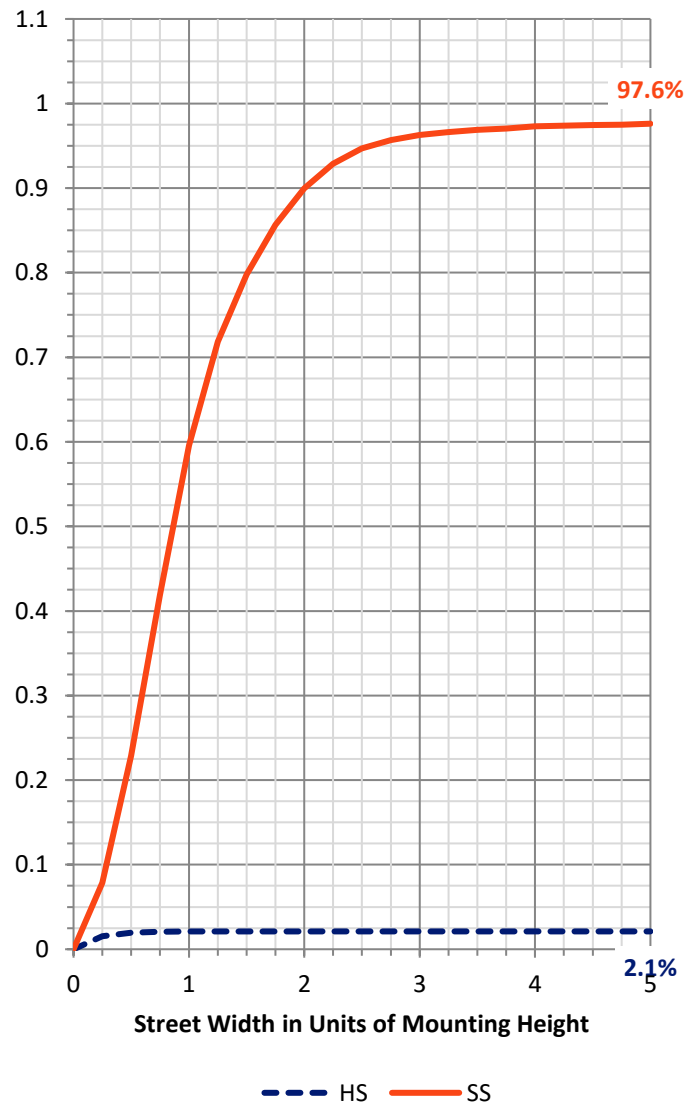
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	203.0	0.0	203.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	9358.9	0.0	9358.9
	% Fixture	97.9	0.0	97.9
Total	Lumens	9561.9	0.0	9561.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	0.4
10°-20°	157.2	1.6
20°-30°	319.3	3.3
30°-40°	780.2	8.2
40°-50°	1744.9	18.2
50°-60°	2453.5	25.7
60°-70°	2885.1	30.2
70°-80°	1041.8	10.9
80°-90°	139.3	1.5
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°	9561.9	100.0
0°-180°	9561.9	100.0

Coefficient of Utilization



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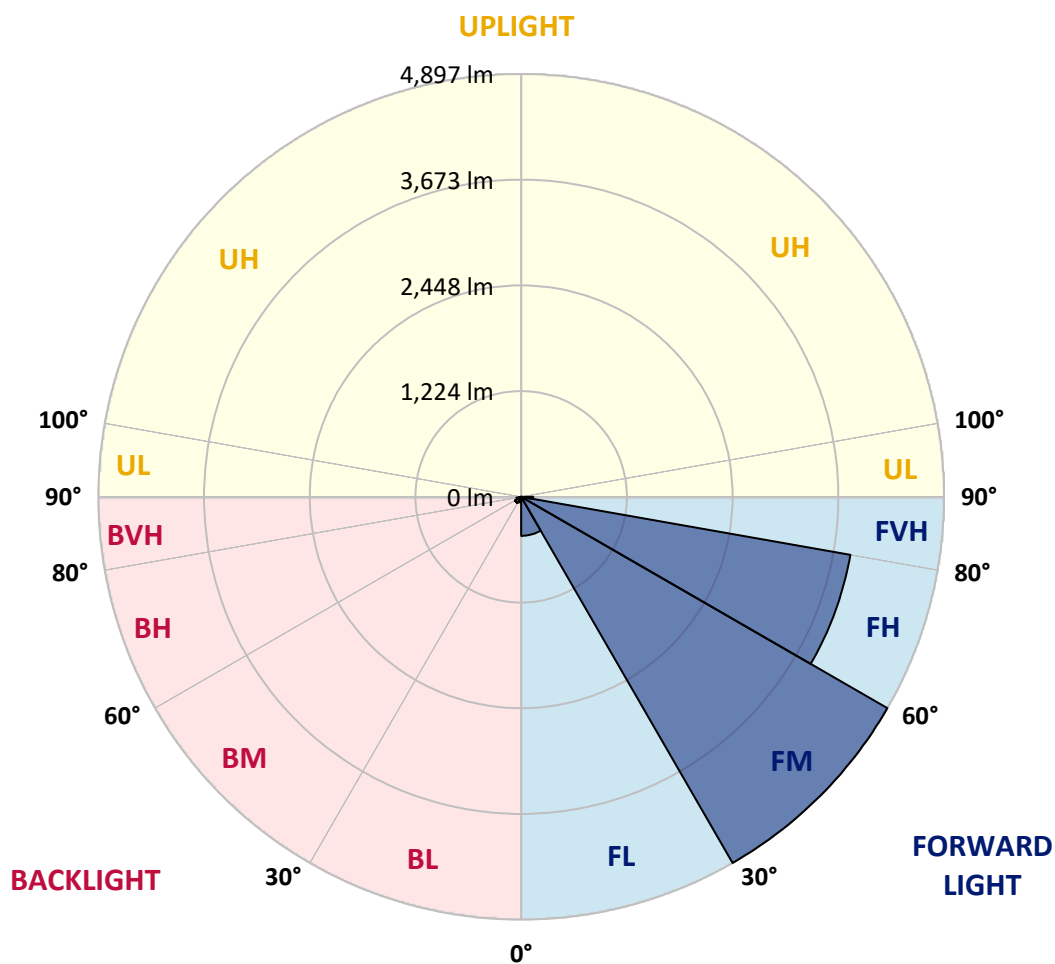
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.8	4.7			
FM	(30°-60°)	4896.8	51.2			
FH	(60°-80°)	3871.2	40.5			G2/5000
FVH	(80°-90°)	139.0	1.5			G2/225
BL	(0°-30°)	65.3	0.7	B0/110		
BM	(30°-60°)	81.8	0.9	B0/220		
BH	(60°-80°)	55.7	0.6	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8
2.5°	479.8	484.9	481.5	472.8	462.3	448.5	436.3	436.3	434.6	429.3	431.1
5°	629.2	631.0	624.1	603.2	584.1	554.5	521.5	518.0	514.5	509.3	507.6
7.5°	775.3	782.2	775.3	752.6	714.4	669.2	617.1	611.9	601.5	601.5	594.5
10°	924.8	924.8	917.8	891.8	856.9	792.6	726.6	717.9	705.8	702.3	691.8
12.5°	1030.8	1030.8	1027.3	1013.5	985.6	928.3	848.3	839.6	824.0	818.7	806.6
15°	1072.5	1072.5	1074.3	1086.4	1088.2	1062.1	978.6	971.7	956.0	942.1	936.9
17.5°	1098.6	1096.9	1096.9	1114.3	1145.5	1162.9	1109.0	1102.0	1084.7	1077.8	1060.3
20°	1156.0	1152.5	1142.0	1142.0	1171.6	1232.4	1232.4	1230.7	1211.6	1206.3	1197.7
22.5°	1241.2	1237.7	1206.3	1180.3	1194.2	1270.7	1342.0	1338.5	1331.5	1324.6	1319.4
25°	1380.2	1368.0	1314.1	1237.7	1225.5	1307.2	1425.4	1434.1	1439.3	1439.3	1442.8
27.5°	1590.6	1574.9	1479.3	1336.8	1282.9	1366.3	1517.5	1534.9	1550.6	1554.0	1569.7
30°	1882.5	1854.8	1717.4	1508.9	1385.5	1453.2	1653.2	1672.3	1694.9	1701.8	1726.1
32.5°	2362.3	2346.7	2214.6	1901.6	1637.4	1623.6	1842.6	1866.9	1896.5	1908.6	1938.2
35°	3092.5	3095.9	2988.2	2706.5	2341.5	2150.2	2181.6	2202.4	2212.8	2249.4	2265.0
37.5°	3587.8	3596.5	3620.9	3509.6	3248.9	3054.1	2809.0	2831.7	2777.8	2783.0	2784.8
40°	3859.0	3886.8	4029.4	4137.2	4116.3	4003.3	3806.9	3819.0	3718.2	3695.6	3586.1
42.5°	4039.7	4076.3	4304.1	4637.7	4808.1	4910.7	4865.5	4860.3	4782.0	4752.5	4660.3
45°	4152.8	4185.8	4472.6	4964.5	5357.4	5656.4	5779.8	5793.7	5727.6	5698.1	5621.7
47.5°	4147.5	4185.8	4493.4	5086.3	5665.1	6143.1	6490.8	6508.1	6548.1	6522.1	6527.2
50°	3918.1	3954.7	4264.1	4879.4	5574.7	6365.6	7001.8	7057.5	7121.8	7165.2	7186.1
52.5°	3640.0	3666.1	3940.7	4524.8	5188.8	6273.5	7304.3	7399.9	7495.5	7577.2	7634.6
55°	3537.4	3566.9	3782.5	4267.5	4879.4	5887.6	7445.1	7585.9	7721.5	7855.4	7964.9
57.5°	3591.3	3619.1	3773.8	4145.8	4695.2	5480.8	7485.1	7704.1	7926.6	8143.9	8359.4
60°	3789.5	3819.0	3951.2	4258.8	4646.5	5246.2	7328.7	7692.0	8062.2	8441.1	8797.5
62.5°	3711.2	3723.4	3918.1	4457.0	4994.1	5046.3	6760.2	7267.8	7832.8	8416.9	8992.2
63°	3636.5	3650.4	3848.6	4403.1	5100.2	5016.7	6584.7	7120.1	7716.3	8345.5	8971.4
65°	3297.6	3299.2	3450.5	3888.6	4982.0	5068.8	5802.5	6313.5	6998.4	7752.8	8543.7
67.5°	2461.4	2449.3	2595.3	2929.1	3911.2	5070.6	4980.2	5267.1	5743.4	6412.6	7121.8
70°	872.7	853.6	1089.9	1552.2	2437.0	4147.5	4279.7	4298.8	4430.9	4792.5	5237.5
72.5°	283.3	288.6	347.6	568.4	1122.9	2791.7	3874.7	3815.5	3780.8	3779.0	3838.1
75°	112.9	114.7	139.0	252.1	504.2	1345.5	3393.2	3426.1	3438.4	3455.7	3474.9
77.5°	53.8	59.1	78.2	140.8	250.3	665.8	2428.4	2708.2	2868.1	2991.7	3066.4
80°	19.1	22.6	43.5	86.9	116.4	305.9	1279.4	1543.6	1778.2	2080.8	2341.5
82.5°	0.0	0.0	8.7	60.8	64.3	123.4	524.9	615.3	704.0	912.6	1171.6
85°	0.0	0.0	0.0	17.4	19.1	20.9	177.3	213.9	239.9	279.8	323.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.2	10.5	26.1	40.0
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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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8
2.5°	427.6	425.9	425.9	422.4	420.7	417.2	415.5	410.2	408.5	408.5	408.5
5°	505.8	498.9	495.4	486.7	481.5	479.8	471.1	467.6	462.3	464.1	455.4
7.5°	592.7	580.6	575.4	563.2	559.8	547.5	544.1	535.4	530.2	519.8	516.3
10°	688.4	672.7	664.1	644.9	639.7	631.0	620.6	610.1	601.5	591.0	585.9
12.5°	797.9	784.0	777.0	750.9	738.8	726.6	712.7	698.8	684.9	676.2	664.1
15°	926.5	903.9	896.9	872.7	851.8	836.1	817.0	799.6	789.2	771.8	759.6
17.5°	1053.4	1030.8	1025.6	989.1	966.5	956.0	935.3	912.6	893.5	876.1	856.9
20°	1180.3	1164.6	1150.7	1116.0	1091.7	1074.3	1046.4	1023.8	1008.2	983.9	959.5
22.5°	1307.2	1291.5	1281.2	1244.6	1222.1	1197.7	1173.4	1149.0	1126.4	1096.9	1069.1
25°	1437.6	1427.2	1421.9	1388.9	1368.0	1345.5	1321.1	1293.3	1265.4	1232.4	1203.0
27.5°	1573.1	1576.6	1566.2	1559.2	1536.6	1521.0	1482.8	1463.7	1442.8	1402.8	1366.3
30°	1745.2	1755.7	1752.2	1757.5	1743.5	1733.1	1703.5	1679.2	1654.8	1616.6	1574.9
32.5°	1962.6	1976.5	1983.3	2002.6	1995.6	1992.1	1983.3	1948.6	1931.2	1865.2	1847.8
35°	2298.0	2291.1	2320.6	2336.2	2329.3	2325.9	2315.4	2296.3	2275.4	2228.5	2185.1
37.5°	2734.3	2741.3	2751.7	2720.5	2699.6	2697.9	2666.5	2647.4	2617.9	2565.7	2513.6
40°	3533.9	3490.5	3441.9	3309.7	3252.4	3219.3	3127.2	3101.1	3050.7	2979.4	2925.6
42.5°	4573.5	4530.0	4384.0	4163.3	4045.0	3881.6	3806.9	3714.7	3643.5	3527.0	3464.4
45°	5606.0	5480.8	5463.4	5206.2	5060.2	4844.6	4710.8	4556.0	4394.4	4241.5	4130.2
47.5°	6476.9	6449.0	6363.9	6207.4	6071.9	5891.0	5719.0	5480.8	5313.9	5096.7	4896.8
50°	7173.9	7172.2	7140.9	7050.5	6937.6	6791.6	6640.3	6438.7	6249.2	5983.2	5769.4
52.5°	7695.5	7723.2	7733.7	7705.8	7662.4	7533.8	7457.3	7288.6	7128.7	6902.7	6671.5
55°	8077.8	8180.4	8232.6	8291.7	8279.5	8234.3	8230.9	8121.3	8048.4	7869.2	7705.8
57.5°	8550.7	8719.3	8880.9	9167.8	9178.2	9279.1	9331.2	9383.4	9397.2	9325.9	9272.1
60°	9152.1	9496.3	9802.2	10402.0	10558.4	10805.2	10965.2	11139.0	11286.7	11298.9	11295.5
62.5°	9576.2	10106.4	10600.1	11490.1	11794.3	12079.4	12293.2	12461.9	12564.4	12668.7	12717.3
63°	9588.5	10169.0	10694.0	11611.8	11931.7	12202.8	12406.3	12562.7	12670.5	12733.0	12764.3
65°	9294.7	9998.7	10624.4	11538.8	11839.5	12112.5	12218.5	12321.1	12373.2	12397.5	12305.3
67.5°	7878.0	8566.3	9296.4	10318.5	10575.8	10902.6	10989.5	11041.7	11066.0	11060.8	10982.6
70°	5891.0	6468.2	7280.0	8448.1	8788.8	9108.7	9306.8	9392.0	9419.8	9411.1	9294.7
72.5°	4112.8	4451.7	5121.0	6421.3	6885.4	7295.6	7540.7	7667.6	7693.7	7641.5	7533.8
75°	3454.0	3471.4	3622.6	4333.5	4768.1	5206.2	5482.5	5562.5	5510.4	5352.2	5077.6
77.5°	3083.7	3122.0	3122.0	3228.0	3313.2	3434.9	3461.0	3266.2	3040.3	2748.2	2511.9
80°	2586.6	2720.5	2814.3	2892.5	2901.2	2876.9	2812.5	2703.1	2529.2	2306.7	2059.9
82.5°	1571.5	1835.7	1943.4	2346.7	2544.8	2678.7	2668.3	2522.2	2390.2	2159.0	1948.6
85°	396.4	427.6	464.1	603.2	676.2	825.7	919.5	963.0	978.6	898.7	813.5
87.5°	38.2	26.1	43.5	33.0	47.0	34.7	47.0	43.5	53.8	57.3	62.6
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8
2.5°	405.0	403.2	401.5	399.9	398.1	396.4	392.9	392.9	389.4	387.6	385.9
5°	450.2	446.7	445.0	441.6	436.3	432.8	427.6	420.7	415.5	413.7	410.2
7.5°	507.6	498.9	495.4	490.2	483.2	472.8	465.8	460.7	452.0	446.7	436.3
10°	571.9	563.2	552.8	542.4	531.9	519.8	511.0	504.2	490.2	483.2	471.1
12.5°	653.6	638.0	625.8	611.9	598.0	584.1	573.6	552.8	540.6	524.9	514.5
15°	737.0	723.1	709.3	691.8	670.9	648.3	638.0	618.8	603.2	578.9	565.0
17.5°	837.8	811.7	791.0	770.1	750.9	730.0	709.3	679.7	657.1	636.2	608.4
20°	936.9	905.7	883.0	855.2	827.5	794.4	770.1	749.2	717.9	690.1	660.6
22.5°	1042.9	1011.7	975.2	947.4	909.2	883.0	850.1	815.2	784.0	747.5	710.9
25°	1171.6	1138.6	1096.9	1060.3	1016.9	980.4	940.4	900.4	862.2	820.5	773.5
27.5°	1329.8	1295.0	1249.8	1206.3	1149.0	1103.8	1065.6	1011.7	963.0	910.9	856.9
30°	1529.7	1491.4	1435.8	1373.2	1315.9	1265.4	1211.6	1140.4	1086.4	1023.8	954.4
32.5°	1790.5	1745.2	1670.5	1611.4	1540.1	1474.0	1399.3	1328.0	1251.6	1169.9	1089.9
35°	2119.0	2077.3	1990.3	1903.4	1825.2	1747.0	1653.2	1571.5	1463.7	1364.6	1262.0
37.5°	2459.7	2384.9	2305.0	2211.1	2113.7	2019.9	1905.1	1792.2	1668.8	1561.0	1432.3
40°	2849.0	2758.7	2692.6	2591.8	2454.5	2320.6	2214.6	2073.8	1919.1	1774.8	1623.6
42.5°	3382.7	3281.9	3163.7	3010.8	2911.6	2755.2	2617.9	2451.0	2247.6	2086.0	1903.4
45°	3999.8	3862.5	3747.8	3600.0	3480.1	3285.4	3125.5	2903.0	2699.6	2487.5	2265.0
47.5°	4703.8	4533.4	4366.6	4220.6	4029.4	3838.1	3634.8	3398.4	3137.6	2904.7	2640.5
50°	5512.1	5270.5	5039.3	4851.6	4589.1	4368.4	4147.5	3881.6	3593.0	3325.3	3024.6
52.5°	6410.8	6131.0	5825.1	5536.5	5232.2	4948.9	4682.9	4377.0	4055.5	3728.7	3393.2
55°	7495.5	7285.2	6925.4	6558.6	6151.8	5772.9	5430.4	5051.5	4660.3	4231.0	3878.1
57.5°	9193.9	9091.3	8790.5	8423.8	7893.6	7432.9	6852.4	6388.2	5821.6	5230.6	4775.1
60°	11495.4	11368.4	11199.8	10902.6	10481.9	9856.2	9216.5	8495.1	7632.9	6814.2	6037.1
62.5°	12722.6	12677.3	12540.1	12334.9	11942.1	11448.4	10803.6	10010.8	9037.4	8043.1	7052.3
63°	12759.0	12701.7	12583.5	12374.9	12029.0	11551.0	10918.2	10148.1	9195.6	8182.2	7170.4
65°	12265.4	12242.8	12122.8	11895.1	11658.8	11293.7	10803.6	10141.2	9341.6	8383.8	7377.3
67.5°	10878.3	10810.4	10626.2	10556.6	10391.6	10137.7	9764.0	9308.5	8736.7	7984.0	7114.8
70°	9200.7	9099.9	8868.8	8745.4	8543.7	8383.8	8156.1	7831.0	7478.1	6953.2	6304.8
72.5°	7422.5	7213.9	7001.8	6680.3	6398.7	6113.6	5861.5	5632.1	5244.4	5032.3	4540.4
75°	4820.3	4441.3	4078.1	3591.3	3153.3	2765.6	2388.4	2197.2	1799.1	1637.4	1406.3
77.5°	2287.6	2075.5	1790.5	1569.7	1288.0	1051.7	858.7	644.9	505.8	396.4	302.4
80°	1846.0	1667.0	1494.9	1295.0	1082.9	863.9	662.3	495.4	351.1	243.3	172.1
82.5°	1646.2	1451.4	1239.4	1102.0	957.8	784.0	643.2	524.9	387.6	283.3	193.0
85°	639.7	538.9	415.5	339.0	264.2	217.2	196.4	135.5	106.1	83.4	64.3
87.5°	55.6	45.2	36.5	24.4	26.1	13.9	15.6	10.5	8.7	8.7	7.0
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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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8	366.8
2.5°	384.1	382.4	380.6	377.2	377.2	373.8	372.0	370.3	361.5	342.4	326.8
5°	403.2	399.9	396.4	391.1	387.6	382.4	379.0	373.8	354.6	318.2	286.8
7.5°	431.1	424.1	419.0	408.5	403.2	396.4	391.1	382.4	351.1	295.5	252.1
10°	464.1	452.0	443.2	431.1	420.7	412.0	403.2	391.1	347.6	271.2	220.7
12.5°	504.2	490.2	472.8	458.9	445.0	432.8	420.7	405.0	342.4	250.3	196.4
15°	544.1	523.3	511.0	491.9	472.8	455.4	438.1	424.1	344.2	227.7	175.5
17.5°	589.2	568.4	542.4	521.5	500.7	478.1	457.2	429.3	335.5	210.4	159.9
20°	632.7	603.2	578.9	552.8	523.3	495.4	469.3	445.0	328.5	193.0	146.0
22.5°	679.7	644.9	613.6	580.6	544.1	512.8	481.5	450.2	316.4	177.3	133.8
25°	737.0	697.0	651.8	611.9	573.6	535.4	495.4	457.2	304.2	163.4	125.2
27.5°	806.6	754.4	709.3	658.8	605.0	556.3	512.8	471.1	292.1	153.0	116.4
30°	895.2	834.3	770.1	705.8	648.3	592.7	531.9	479.8	279.8	142.5	107.8
32.5°	1013.5	936.9	858.7	784.0	707.5	636.2	571.9	504.2	272.9	133.8	99.1
35°	1169.9	1070.8	975.2	881.3	789.2	702.3	618.8	542.4	272.9	123.4	88.7
37.5°	1317.6	1203.0	1081.2	964.7	855.2	754.4	655.3	563.2	259.0	114.7	80.0
40°	1477.5	1340.2	1197.7	1060.3	928.3	803.1	690.1	584.1	246.8	104.3	71.3
42.5°	1722.6	1548.9	1362.9	1203.0	1044.7	890.0	749.2	624.1	231.2	93.8	62.6
45°	2044.3	1823.4	1604.5	1409.7	1208.1	1018.6	851.8	697.0	227.7	85.2	53.8
47.5°	2388.4	2127.6	1870.4	1621.8	1385.5	1164.6	964.7	778.7	227.7	76.5	47.0
50°	2730.8	2404.1	2129.4	1840.8	1574.9	1314.1	1076.0	863.9	229.5	69.6	38.2
52.5°	3040.3	2690.9	2383.2	2049.4	1755.7	1453.2	1194.2	947.4	226.0	60.8	31.2
55°	3469.6	3059.4	2703.1	2334.5	1990.3	1649.7	1355.9	1072.5	227.7	53.8	26.1
57.5°	4260.6	3779.0	3349.7	2866.5	2470.1	2030.3	1674.0	1329.8	248.6	45.2	19.1
60°	5395.7	4769.9	4166.7	3577.4	3073.4	2550.1	2087.6	1682.7	292.1	36.5	13.9
62.5°	6158.7	5340.0	4620.4	3970.3	3384.4	2836.9	2332.8	1872.1	321.5	29.6	8.7
63°	6237.0	5390.5	4667.3	3996.4	3398.4	2850.8	2343.2	1886.0	323.3	27.8	8.7
65°	6384.7	5477.4	4693.4	4001.5	3384.4	2831.7	2336.2	1884.3	326.8	22.6	7.0
67.5°	6216.2	5343.5	4542.2	3852.1	3262.7	2718.7	2249.4	1814.8	325.0	15.6	5.2
70°	5559.1	4836.0	4131.9	3488.7	2953.3	2461.4	2047.7	1654.8	298.9	10.5	3.5
72.5°	4081.5	3589.5	3043.8	2579.7	2225.0	1847.8	1576.6	1242.9	231.2	7.0	1.7
75°	1209.8	1102.0	926.5	817.0	721.4	596.2	530.2	413.7	118.2	3.5	0.0
77.5°	241.6	219.0	196.4	179.0	168.6	144.3	137.3	112.9	48.7	1.7	0.0
80°	126.9	104.3	88.7	78.2	67.8	55.6	47.0	38.2	8.7	0.0	0.0
82.5°	121.7	81.7	59.1	48.7	41.7	33.0	26.1	19.1	5.2	0.0	0.0
85°	45.2	34.7	26.1	20.9	17.4	15.6	12.1	10.5	0.0	0.0	0.0
87.5°	7.0	5.2	5.2	3.5	3.5	1.7	1.7	1.7	0.0	0.0	0.0
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: P165071

CATALOG NUMBER: VST-F07-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	366.8	366.8	366.8	366.8	366.8	366.8	366.8
2.5°	311.2	297.3	290.3	281.6	281.6	279.8	283.3
5°	259.0	239.9	226.0	215.6	217.2	212.1	213.9
7.5°	219.0	199.9	187.7	180.8	179.0	177.3	177.3
10°	189.5	172.1	161.6	156.4	154.7	154.7	154.7
12.5°	168.6	151.3	142.5	139.0	139.0	137.3	137.3
15°	151.3	137.3	128.7	125.2	125.2	123.4	125.2
17.5°	137.3	123.4	116.4	112.9	112.9	111.3	111.3
20°	125.2	112.9	106.1	100.8	100.8	99.1	100.8
22.5°	114.7	102.6	93.8	90.4	88.7	86.9	88.7
25°	104.3	92.2	83.4	78.2	76.5	76.5	74.7
27.5°	95.6	83.4	73.0	67.8	66.1	66.1	64.3
30°	86.9	73.0	62.6	57.3	55.6	55.6	55.6
32.5°	78.2	62.6	53.8	48.7	47.0	47.0	47.0
35°	69.6	53.8	45.2	40.0	38.2	38.2	38.2
37.5°	59.1	45.2	34.7	31.2	29.6	27.8	27.8
40°	50.5	34.7	26.1	22.6	19.1	19.1	19.1
42.5°	41.7	27.8	19.1	13.9	12.1	10.5	12.1
45°	34.7	20.9	12.1	7.0	5.2	5.2	5.2
47.5°	27.8	13.9	5.2	1.7	1.7	1.7	1.7
50°	20.9	8.7	1.7	0.0	0.0	1.7	1.7
52.5°	15.6	5.2	0.0	0.0	0.0	0.0	0.0
55°	8.7	1.7	0.0	0.0	0.0	0.0	0.0
57.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0
60°	3.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.7	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.7	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)