

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: P165124

Luminaire Tested: **VST-F12-LED-E-U-SL2-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165124
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-F12-LED-E-U-SL2-HSS-7060
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (84) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18415.4 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 306.6
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

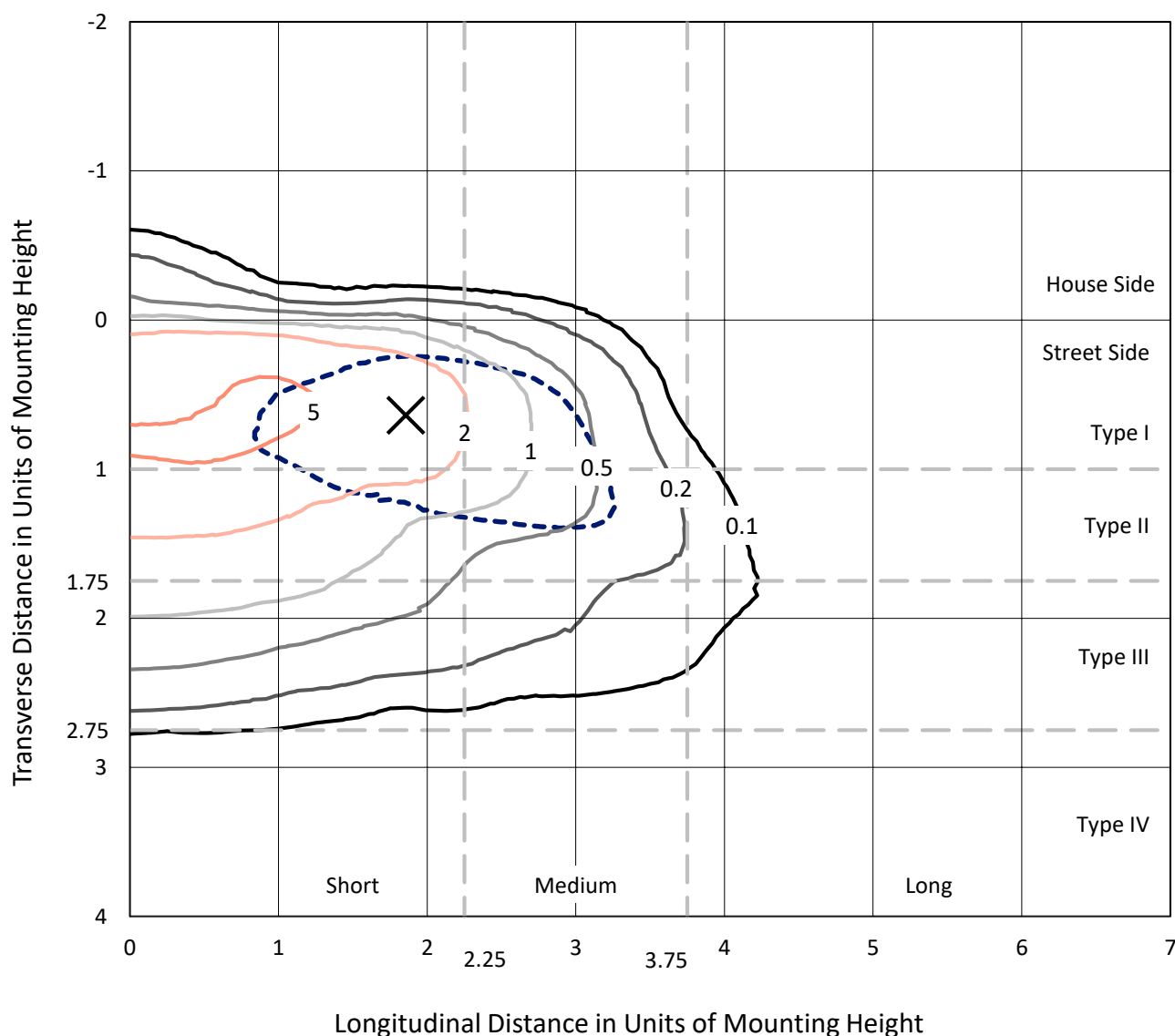


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

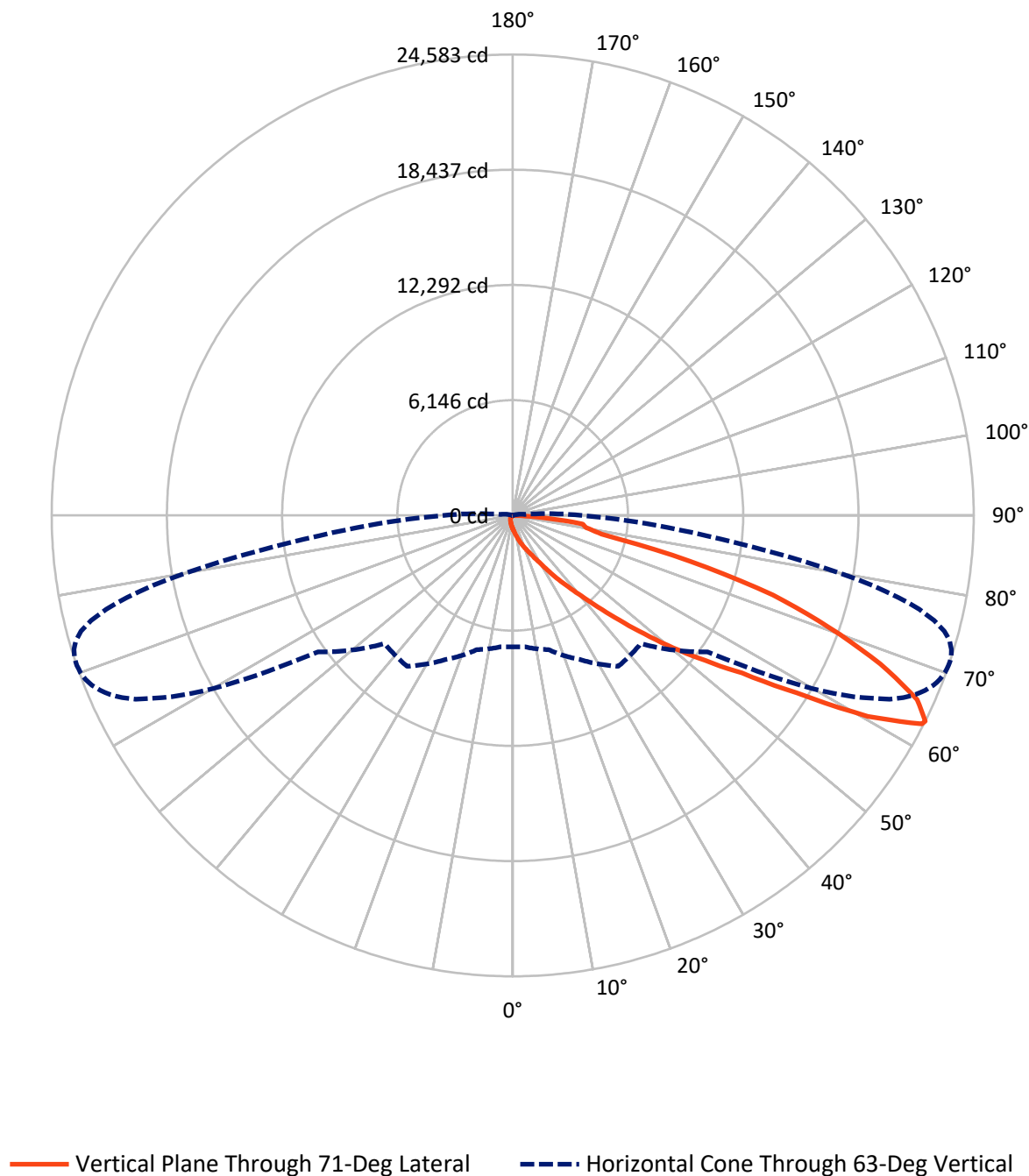


Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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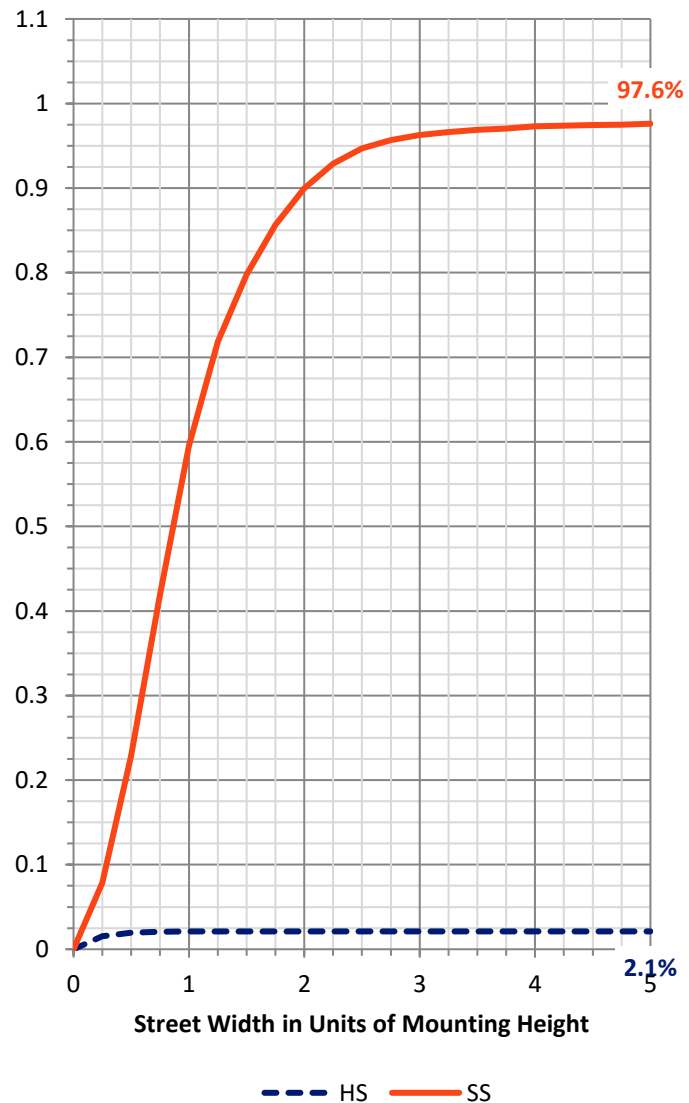
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.0	0.0	391.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	18024.4	0.0	18024.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	18415.4	0.0	18415.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	0.4
10°-20°	302.8	1.6
20°-30°	615.0	3.3
30°-40°	1502.6	8.2
40°-50°	3360.5	18.2
50°-60°	4725.2	25.7
60°-70°	5556.5	30.2
70°-80°	2006.4	10.9
80°-90°	268.3	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°	18415.4	100.0
0°-180°	18415.4	100.0

Coefficient of Utilization



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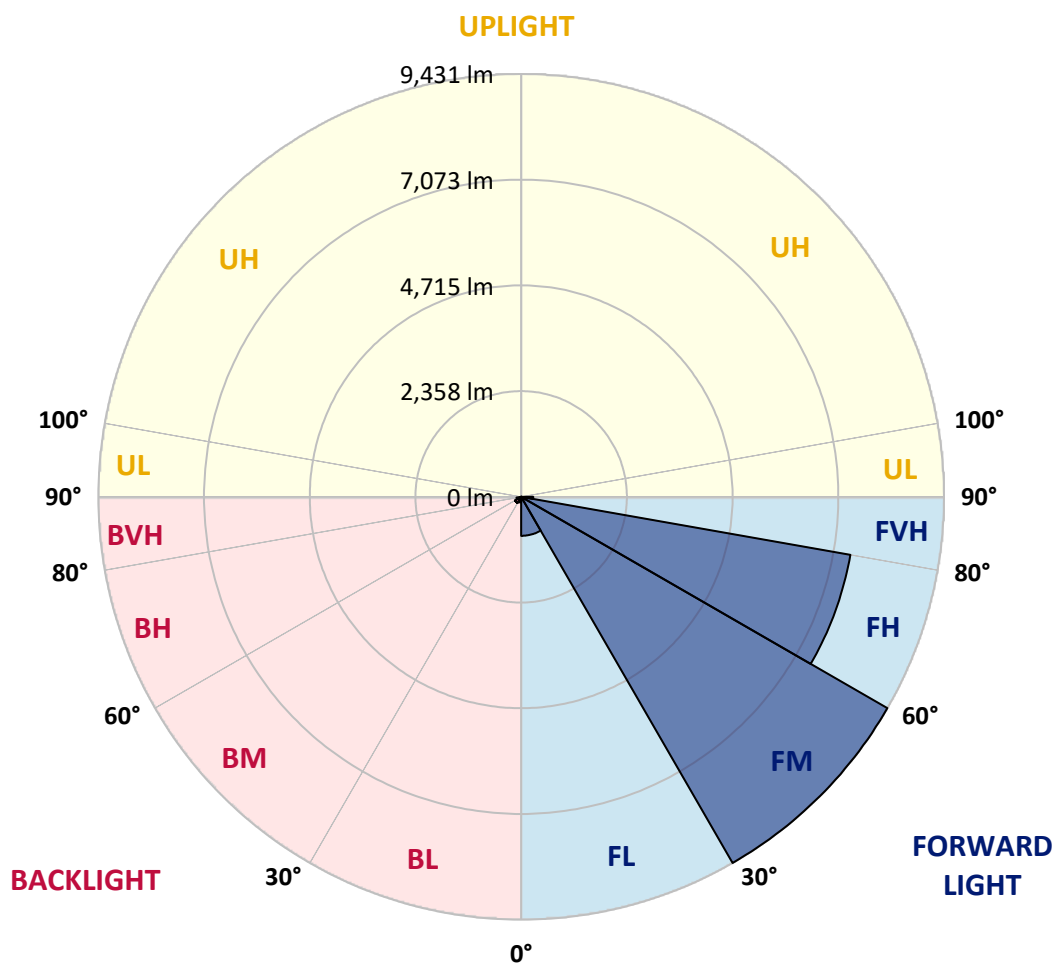
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	870.2	4.7			
FM	(30°-60°)	9430.8	51.2			
FH	(60°-80°)	7455.7	40.5			G3/7500
FVH	(80°-90°)	267.7	1.5			G3/500
BL	(0°-30°)	125.7	0.7	B1/500		
BM	(30°-60°)	157.5	0.9	B0/220		
BH	(60°-80°)	107.2	0.6	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5
2.5°	924.0	934.0	927.2	910.6	890.4	863.8	840.2	840.2	837.0	826.8	830.3
5°	1211.9	1215.3	1201.9	1161.6	1124.8	1067.9	1004.3	997.6	990.9	980.9	977.7
7.5°	1493.2	1506.4	1493.2	1449.5	1375.9	1288.9	1188.5	1178.5	1158.4	1158.4	1145.0
10°	1781.1	1781.1	1767.7	1717.5	1650.4	1526.6	1399.3	1382.6	1359.3	1352.5	1332.4
12.5°	1985.2	1985.2	1978.5	1951.9	1898.2	1787.8	1633.7	1617.0	1586.9	1576.8	1553.4
15°	2065.5	2065.5	2069.0	2092.3	2095.8	2045.6	1884.8	1871.4	1841.3	1814.4	1804.5
17.5°	2115.7	2112.5	2112.5	2146.0	2206.2	2239.7	2135.9	2122.4	2089.1	2075.7	2042.1
20°	2226.3	2219.6	2199.5	2199.5	2256.4	2373.5	2373.5	2370.3	2333.5	2323.3	2306.6
22.5°	2390.4	2383.7	2323.3	2273.1	2299.9	2447.3	2584.5	2577.8	2564.4	2551.0	2541.0
25°	2658.1	2634.7	2530.9	2383.7	2360.3	2517.6	2745.1	2762.0	2772.0	2772.0	2778.7
27.5°	3063.3	3033.2	2849.0	2574.6	2470.7	2631.3	2922.6	2956.2	2986.2	2993.0	3023.0
30°	3625.6	3572.2	3307.7	2905.9	2668.3	2798.8	3183.9	3220.6	3264.2	3277.6	3324.3
32.5°	4549.6	4519.5	4265.2	3662.4	3153.6	3126.9	3548.8	3595.5	3652.5	3675.8	3732.8
35°	5955.8	5962.5	5755.0	5212.6	4509.6	4141.2	4201.6	4241.6	4261.7	4332.1	4362.2
37.5°	6909.9	6926.6	6973.5	6759.3	6257.1	5882.0	5410.0	5453.7	5349.8	5359.8	5363.2
40°	7432.2	7485.6	7760.3	7967.9	7927.6	7710.1	7331.7	7355.1	7161.0	7117.5	6906.4
42.5°	7780.2	7850.6	8289.3	8931.9	9260.0	9457.6	9370.6	9360.5	9209.8	9152.9	8975.4
45°	7998.0	8061.6	8613.9	9561.3	10318.0	10893.7	11131.4	11158.2	11031.0	10974.0	10826.8
47.5°	7987.8	8061.6	8654.0	9795.7	10910.6	11831.1	12500.8	12534.1	12611.2	12561.0	12570.9
50°	7546.0	7616.4	8212.2	9397.3	10736.4	12259.7	13485.0	13592.1	13715.9	13799.7	13839.9
52.5°	7010.3	7060.5	7589.5	8714.4	9993.1	12082.2	14067.4	14251.6	14435.8	14593.1	14703.5
55°	6812.7	6869.6	7284.8	8218.9	9397.3	11339.0	14338.6	14609.8	14871.1	15128.8	15339.7
57.5°	6916.6	6970.1	7268.1	7984.5	9042.5	10555.6	14415.7	14837.5	15266.1	15684.5	16099.6
60°	7298.2	7355.1	7609.7	8202.1	8948.8	10103.7	14114.4	14814.1	15527.1	16256.9	16943.3
62.5°	7147.6	7170.9	7546.0	8583.9	9618.2	9718.7	13019.6	13997.3	15085.3	16210.2	17318.2
63°	7003.6	7030.5	7412.0	8480.0	9822.6	9661.7	12681.5	13712.7	14860.9	16072.8	17278.1
65°	6350.8	6354.1	6645.4	7489.1	9594.9	9762.2	11175.1	12159.3	13478.3	14931.2	16454.5
67.5°	4740.5	4717.1	4998.3	5641.1	7532.6	9765.6	9591.4	10144.0	11061.2	12350.2	13715.9
70°	1680.7	1643.9	2099.1	2989.5	4693.5	7987.8	8242.3	8279.1	8533.6	9229.9	10087.0
72.5°	545.7	555.8	669.5	1094.8	2162.7	5376.6	7462.3	7348.4	7281.5	7278.1	7391.9
75°	217.5	221.0	267.7	485.5	971.0	2591.2	6535.0	6598.4	6622.0	6655.4	6692.4
77.5°	103.7	113.8	150.6	271.2	482.0	1282.2	4676.9	5215.8	5523.8	5761.7	5905.6
80°	36.8	43.5	83.8	167.3	224.2	589.2	2464.0	2972.8	3424.8	4007.4	4509.6
82.5°	0.0	0.0	16.7	117.1	123.8	237.7	1011.0	1185.0	1355.8	1757.5	2256.4
85°	0.0	0.0	0.0	33.5	36.8	40.3	341.5	411.9	462.1	538.9	622.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	10.0	20.1	50.2	77.0
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°	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5
2.5°	823.6	820.3	820.3	813.6	810.1	803.4	800.2	790.0	786.8	786.8	786.8
5°	974.2	960.8	954.1	937.4	927.2	924.0	907.3	900.6	890.4	893.9	877.0
7.5°	1141.5	1118.1	1108.2	1084.6	1078.1	1054.5	1047.8	1031.1	1021.2	1001.0	994.3
10°	1325.7	1295.6	1278.9	1241.9	1232.0	1215.3	1195.2	1175.1	1158.4	1138.3	1128.3
12.5°	1536.7	1509.9	1496.5	1446.3	1422.9	1399.3	1372.7	1345.8	1319.0	1302.3	1278.9
15°	1784.3	1740.8	1727.4	1680.7	1640.4	1610.3	1573.5	1540.0	1519.9	1486.5	1462.9
17.5°	2028.7	1985.2	1975.2	1904.9	1861.4	1841.3	1801.2	1757.5	1720.7	1687.4	1650.4
20°	2273.1	2243.0	2216.2	2149.3	2102.5	2069.0	2015.3	1971.8	1941.7	1894.9	1848.0
22.5°	2517.6	2487.4	2467.4	2397.1	2353.6	2306.6	2259.9	2212.9	2169.4	2112.5	2059.0
25°	2768.7	2748.6	2738.4	2675.0	2634.7	2591.2	2544.3	2490.8	2437.1	2373.5	2316.8
27.5°	3029.8	3036.5	3016.3	3002.9	2959.4	2929.3	2855.7	2818.9	2778.7	2701.6	2631.3
30°	3361.1	3381.3	3374.5	3384.7	3357.9	3337.7	3280.8	3234.1	3187.1	3113.5	3033.2
32.5°	3779.7	3806.6	3819.8	3856.8	3843.4	3836.6	3819.8	3752.9	3719.3	3592.3	3558.7
35°	4425.8	4412.4	4469.3	4499.4	4486.0	4479.5	4459.3	4422.5	4382.3	4291.8	4208.3
37.5°	5266.0	5279.4	5299.6	5239.4	5199.1	5195.9	5135.5	5098.7	5041.8	4941.4	4840.9
40°	6806.0	6722.5	6628.7	6374.2	6263.8	6200.2	6022.7	5972.5	5875.3	5738.1	5634.4
42.5°	8808.1	8724.3	8443.2	8018.1	7790.4	7475.7	7331.7	7154.3	7017.0	6792.8	6672.2
45°	10796.8	10555.6	10522.1	10026.7	9745.5	9330.4	9072.6	8774.6	8463.3	8168.7	7954.4
47.5°	12474.0	12420.3	12256.4	11954.9	11693.9	11345.7	11014.3	10555.6	10234.2	9815.8	9430.8
50°	13816.3	13813.1	13752.7	13578.7	13361.2	13080.0	12788.7	12400.4	12035.5	11523.1	11111.5
52.5°	14820.8	14874.3	14894.4	14840.8	14757.2	14509.4	14362.2	14037.3	13729.3	13294.1	12848.8
55°	15557.2	15754.8	15855.2	15969.1	15945.7	15858.7	15852.0	15640.9	15500.5	15155.5	14840.8
57.5°	16468.0	16792.6	17103.9	17656.4	17676.4	17870.7	17971.1	18071.6	18098.2	17961.0	17857.3
60°	17626.2	18289.1	18878.3	20033.4	20334.7	20810.0	21118.0	21452.8	21737.2	21760.8	21754.1
62.5°	18443.0	19464.2	20415.0	22129.0	22714.9	23264.0	23675.7	24000.6	24198.0	24398.8	24492.5
63°	18466.6	19584.7	20595.7	22363.4	22979.4	23501.7	23893.4	24194.7	24402.3	24522.6	24583.0
65°	17900.8	19256.6	20461.8	22222.7	22801.9	23327.6	23531.8	23729.4	23829.8	23876.6	23699.1
67.5°	15172.3	16498.1	17904.1	19872.6	20368.0	20997.4	21165.0	21265.4	21312.2	21302.2	21151.5
70°	11345.7	12457.3	14020.7	16270.4	16926.6	17542.6	17924.2	18088.2	18141.7	18125.0	17900.8
72.5°	7920.9	8573.7	9862.6	12366.8	13260.7	14050.7	14522.8	14767.2	14817.4	14717.0	14509.4
75°	6652.1	6685.7	6976.8	8346.0	9183.0	10026.7	10558.9	10713.0	10612.6	10307.8	9779.0
77.5°	5938.9	6012.7	6012.7	6216.9	6380.9	6615.3	6665.5	6290.5	5855.4	5292.9	4837.7
80°	4981.6	5239.4	5420.1	5570.8	5587.4	5540.7	5416.7	5205.9	4871.0	4442.5	3967.2
82.5°	3026.5	3535.4	3742.9	4519.5	4901.1	5158.9	5139.0	4857.6	4603.3	4158.1	3752.9
85°	763.4	823.6	893.9	1161.6	1302.3	1590.2	1770.9	1854.7	1884.8	1730.9	1566.8
87.5°	73.6	50.2	83.8	63.6	90.5	66.9	90.5	83.8	103.7	110.4	120.6
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°	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5
2.5°	780.1	776.6	773.3	770.1	766.6	763.4	756.7	756.7	750.0	746.5	743.3
5°	867.1	860.4	857.1	850.4	840.2	833.5	823.6	810.1	800.2	796.7	790.0
7.5°	977.7	960.8	954.1	944.1	930.7	910.6	897.2	887.2	870.5	860.4	840.2
10°	1101.5	1084.6	1064.7	1044.5	1024.4	1001.0	984.2	971.0	944.1	930.7	907.3
12.5°	1258.8	1228.7	1205.2	1178.5	1151.7	1124.8	1104.7	1064.7	1041.1	1011.0	990.9
15°	1419.4	1392.6	1366.0	1332.4	1292.2	1248.7	1228.7	1191.7	1161.6	1114.9	1088.1
17.5°	1613.6	1563.4	1523.3	1483.1	1446.3	1406.0	1366.0	1309.0	1265.5	1225.3	1171.8
20°	1804.5	1744.3	1700.6	1647.1	1593.7	1530.0	1483.1	1442.8	1382.6	1329.2	1272.2
22.5°	2008.6	1948.4	1878.1	1824.6	1751.0	1700.6	1637.2	1570.1	1509.9	1439.6	1369.2
25°	2256.4	2192.8	2112.5	2042.1	1958.4	1888.2	1811.2	1734.1	1660.5	1580.2	1489.8
27.5°	2561.2	2494.1	2407.1	2323.3	2212.9	2125.9	2052.3	1948.4	1854.7	1754.3	1650.4
30°	2946.0	2872.4	2765.3	2644.7	2534.3	2437.1	2333.5	2196.2	2092.3	1971.8	1838.0
32.5°	3448.3	3361.1	3217.2	3103.3	2966.1	2838.9	2694.9	2557.7	2410.5	2253.2	2099.1
35°	4081.0	4000.7	3833.2	3665.9	3515.2	3364.6	3183.9	3026.5	2818.9	2628.0	2430.4
37.5°	4737.3	4593.1	4439.2	4258.5	4070.8	3890.1	3669.1	3451.6	3213.9	3006.4	2758.6
40°	5487.0	5313.0	5185.7	4991.6	4727.1	4469.3	4265.2	3994.0	3696.0	3418.1	3126.9
42.5°	6514.9	6320.7	6093.0	5798.5	5607.6	5306.3	5041.8	4720.4	4328.6	4017.4	3665.9
45°	7703.4	7438.9	7217.9	6933.3	6702.3	6327.5	6019.5	5590.9	5199.1	4790.7	4362.2
47.5°	9059.2	8731.0	8409.6	8128.5	7760.3	7391.9	7000.4	6545.0	6042.8	5594.2	5085.3
50°	10615.8	10150.5	9705.3	9343.8	8838.2	8413.1	7987.8	7475.7	6919.9	6404.3	5825.1
52.5°	12346.7	11807.8	11218.6	10662.8	10076.9	9531.2	9018.9	8429.8	7810.5	7181.1	6535.0
55°	14435.8	14030.6	13337.8	12631.3	11847.8	11118.2	10458.5	9728.8	8975.4	8148.6	7469.0
57.5°	17706.7	17509.1	16929.9	16223.6	15202.4	14315.2	13197.1	12303.2	11211.9	10073.6	9196.4
60°	22139.2	21894.6	21569.9	20997.4	20187.3	18982.2	17750.2	16360.8	14700.3	13123.5	11627.0
62.5°	24502.7	24415.5	24151.2	23756.0	22999.5	22048.7	20806.8	19280.0	17405.4	15490.3	13582.1
63°	24572.9	24462.5	24234.8	23833.0	23166.8	22246.3	21027.5	19544.5	17709.9	15758.2	13809.6
65°	23622.2	23578.7	23347.6	22909.1	22453.9	21750.7	20806.8	19531.1	17991.1	16146.5	14208.1
67.5°	20950.7	20820.0	20465.2	20331.2	20013.3	19524.3	18804.7	17927.4	16826.2	15376.5	13702.5
70°	17719.9	17525.7	17080.5	16842.8	16454.5	16146.5	15708.0	15081.9	14402.3	13391.2	12142.6
72.5°	14295.1	13893.4	13485.0	12865.7	12323.3	11774.2	11288.7	10847.0	10100.3	9691.8	8744.5
75°	9283.4	8553.6	7854.0	6916.6	6072.9	5326.4	4599.8	4231.7	3465.0	3153.6	2708.3
77.5°	4405.7	3997.2	3448.3	3023.0	2480.6	2025.5	1653.8	1241.9	974.2	763.4	582.4
80°	3555.3	3210.5	2879.1	2494.1	2085.6	1663.8	1275.5	954.1	676.2	468.6	331.4
82.5°	3170.4	2795.3	2386.9	2122.4	1844.7	1509.9	1238.7	1011.0	746.5	545.7	371.6
85°	1232.0	1037.8	800.2	652.8	508.9	418.4	378.3	261.0	204.3	160.6	123.8
87.5°	107.1	87.0	70.3	47.0	50.2	26.8	30.1	20.1	16.7	16.7	13.4
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5	706.5
2.5°	739.8	736.5	733.1	726.4	726.4	719.9	716.4	713.2	696.3	659.5	629.4
5°	776.6	770.1	763.4	753.2	746.5	736.5	729.8	719.9	682.9	612.7	552.4
7.5°	830.3	816.9	806.9	786.8	776.6	763.4	753.2	736.5	676.2	569.0	485.5
10°	893.9	870.5	853.6	830.3	810.1	793.5	776.6	753.2	669.5	522.3	425.1
12.5°	971.0	944.1	910.6	883.7	857.1	833.5	810.1	780.1	659.5	482.0	378.3
15°	1047.8	1007.7	984.2	947.4	910.6	877.0	843.7	816.9	663.0	438.5	338.1
17.5°	1134.8	1094.8	1044.5	1004.3	964.2	920.7	880.5	826.8	646.1	405.2	308.0
20°	1218.6	1161.6	1114.9	1064.7	1007.7	954.1	903.9	857.1	632.7	371.6	281.2
22.5°	1309.0	1241.9	1181.8	1118.1	1047.8	987.6	927.2	867.1	609.3	341.5	257.8
25°	1419.4	1342.4	1255.4	1178.5	1104.7	1031.1	954.1	880.5	585.9	314.7	241.1
27.5°	1553.4	1453.0	1366.0	1268.8	1165.1	1071.4	987.6	907.3	562.5	294.6	224.2
30°	1724.2	1606.9	1483.1	1359.3	1248.7	1141.5	1024.4	924.0	538.9	274.5	207.6
32.5°	1951.9	1804.5	1653.8	1509.9	1362.5	1225.3	1101.5	971.0	525.5	257.8	190.9
35°	2253.2	2062.3	1878.1	1697.3	1519.9	1352.5	1191.7	1044.5	525.5	237.7	170.8
37.5°	2537.6	2316.8	2082.4	1857.9	1647.1	1453.0	1262.1	1084.6	498.9	221.0	154.1
40°	2845.6	2581.1	2306.6	2042.1	1787.8	1546.7	1329.2	1124.8	475.3	200.9	137.2
42.5°	3317.6	2983.0	2624.8	2316.8	2012.0	1714.0	1442.8	1201.9	445.2	180.7	120.6
45°	3937.1	3511.8	3090.1	2715.0	2326.7	1961.8	1640.4	1342.4	438.5	164.1	103.7
47.5°	4599.8	4097.7	3602.2	3123.5	2668.3	2243.0	1857.9	1499.7	438.5	147.4	90.5
50°	5259.3	4630.1	4101.1	3545.3	3033.2	2530.9	2072.2	1663.8	442.0	134.0	73.6
52.5°	5855.4	5182.5	4589.9	3947.0	3381.3	2798.8	2299.9	1824.6	435.3	117.1	60.2
55°	6682.2	5892.2	5205.9	4496.1	3833.2	3177.1	2611.4	2065.5	438.5	103.7	50.2
57.5°	8205.5	7278.1	6451.3	5520.6	4757.2	3910.2	3223.9	2561.2	478.8	87.0	36.8
60°	10391.6	9186.4	8024.8	6889.8	5919.0	4911.3	4020.6	3240.8	562.5	70.3	26.8
62.5°	11861.2	10284.4	8898.6	7646.4	6518.1	5463.6	4492.7	3605.5	619.2	56.9	16.7
63°	12011.9	10381.6	8988.8	7696.7	6545.0	5490.5	4512.8	3632.3	622.7	53.5	16.7
65°	12296.5	10548.9	9039.0	7706.6	6518.1	5453.7	4499.4	3629.1	629.4	43.5	13.4
67.5°	11971.8	10291.2	8747.9	7418.8	6283.7	5235.9	4332.1	3495.1	626.0	30.1	10.0
70°	10706.3	9313.7	7957.7	6719.0	5687.9	4740.5	3943.8	3187.1	575.7	20.1	6.7
72.5°	7860.7	6913.2	5862.1	4968.2	4285.1	3558.7	3036.5	2393.6	445.2	13.4	3.3
75°	2330.0	2122.4	1784.3	1573.5	1389.3	1148.2	1021.2	796.7	227.7	6.7	0.0
77.5°	465.3	421.8	378.3	344.8	324.7	277.9	264.5	217.5	93.7	3.3	0.0
80°	244.4	200.9	170.8	150.6	130.5	107.1	90.5	73.6	16.7	0.0	0.0
82.5°	234.4	157.4	113.8	93.7	80.3	63.6	50.2	36.8	10.0	0.0	0.0
85°	87.0	66.9	50.2	40.3	33.5	30.1	23.4	20.1	0.0	0.0	0.0
87.5°	13.4	10.0	10.0	6.7	6.7	3.3	3.3	3.3	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: P165124

CATALOG NUMBER: VST-F12-LED-E-U-SL2-HSS-7060

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	706.5	706.5	706.5	706.5	706.5	706.5	706.5
2.5°	599.3	572.5	559.1	542.4	542.4	538.9	545.7
5°	498.9	462.1	435.3	415.1	418.4	408.4	411.9
7.5°	421.8	385.0	361.5	348.2	344.8	341.5	341.5
10°	364.9	331.4	311.2	301.3	298.0	298.0	298.0
12.5°	324.7	291.3	274.5	267.7	267.7	264.5	264.5
15°	291.3	264.5	247.8	241.1	241.1	237.7	241.1
17.5°	264.5	237.7	224.2	217.5	217.5	214.3	214.3
20°	241.1	217.5	204.3	194.1	194.1	190.9	194.1
22.5°	221.0	197.6	180.7	174.0	170.8	167.3	170.8
25°	200.9	177.5	160.6	150.6	147.4	147.4	143.9
27.5°	184.2	160.6	140.7	130.5	127.3	127.3	123.8
30°	167.3	140.7	120.6	110.4	107.1	107.1	107.1
32.5°	150.6	120.6	103.7	93.7	90.5	90.5	90.5
35°	134.0	103.7	87.0	77.0	73.6	73.6	73.6
37.5°	113.8	87.0	66.9	60.2	56.9	53.5	53.5
40°	97.2	66.9	50.2	43.5	36.8	36.8	36.8
42.5°	80.3	53.5	36.8	26.8	23.4	20.1	23.4
45°	66.9	40.3	23.4	13.4	10.0	10.0	10.0
47.5°	53.5	26.8	10.0	3.3	3.3	3.3	3.3
50°	40.3	16.7	3.3	0.0	0.0	3.3	3.3
52.5°	30.1	10.0	0.0	0.0	0.0	0.0	0.0
55°	16.7	3.3	0.0	0.0	0.0	0.0	0.0
57.5°	10.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	6.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0
63°	3.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.3	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)