

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: P165121

Luminaire Tested: **VST-F12-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165121
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-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16391.8 lumens
Efficiency: N/A
Efficacy: 53.5 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



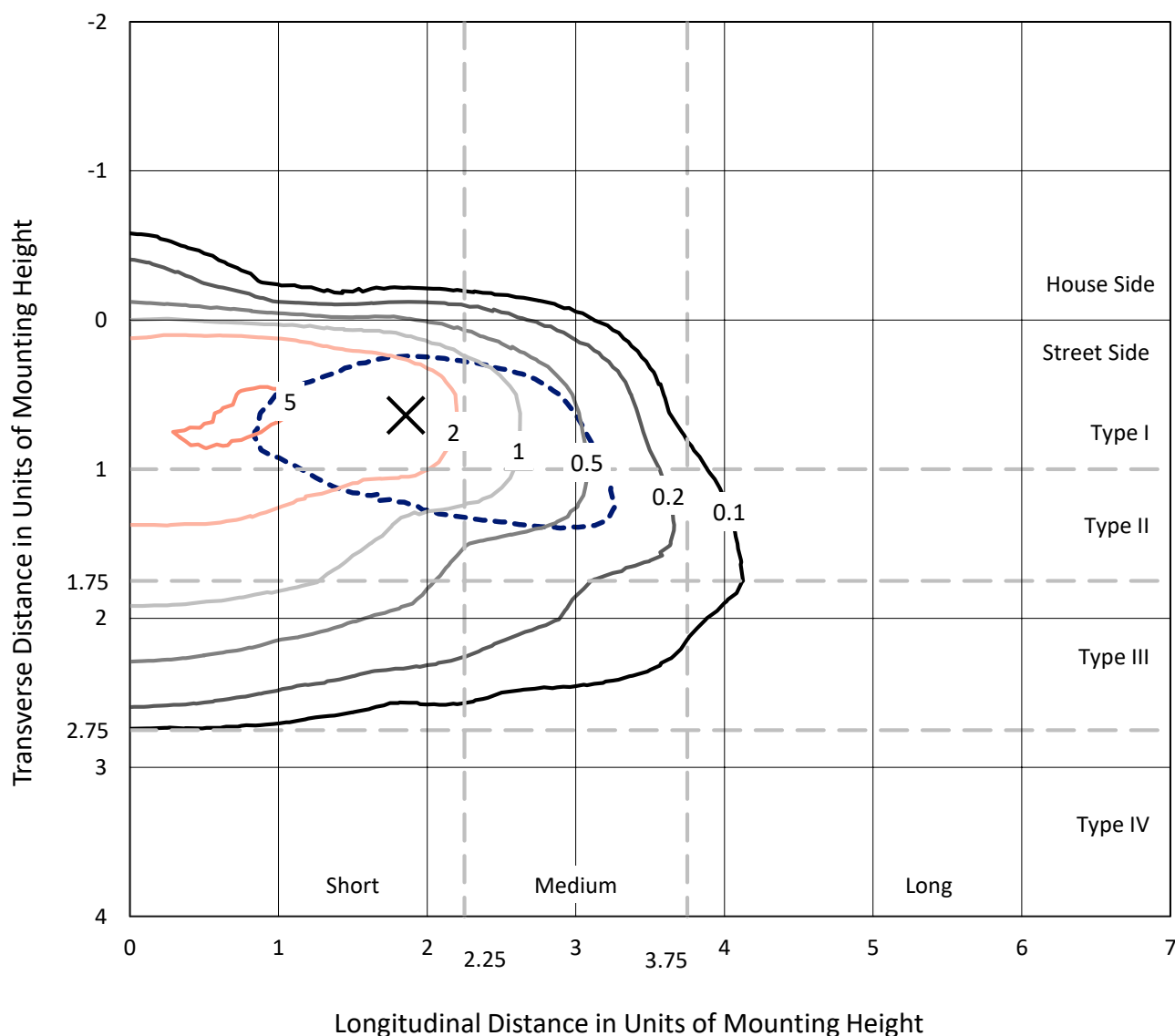
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

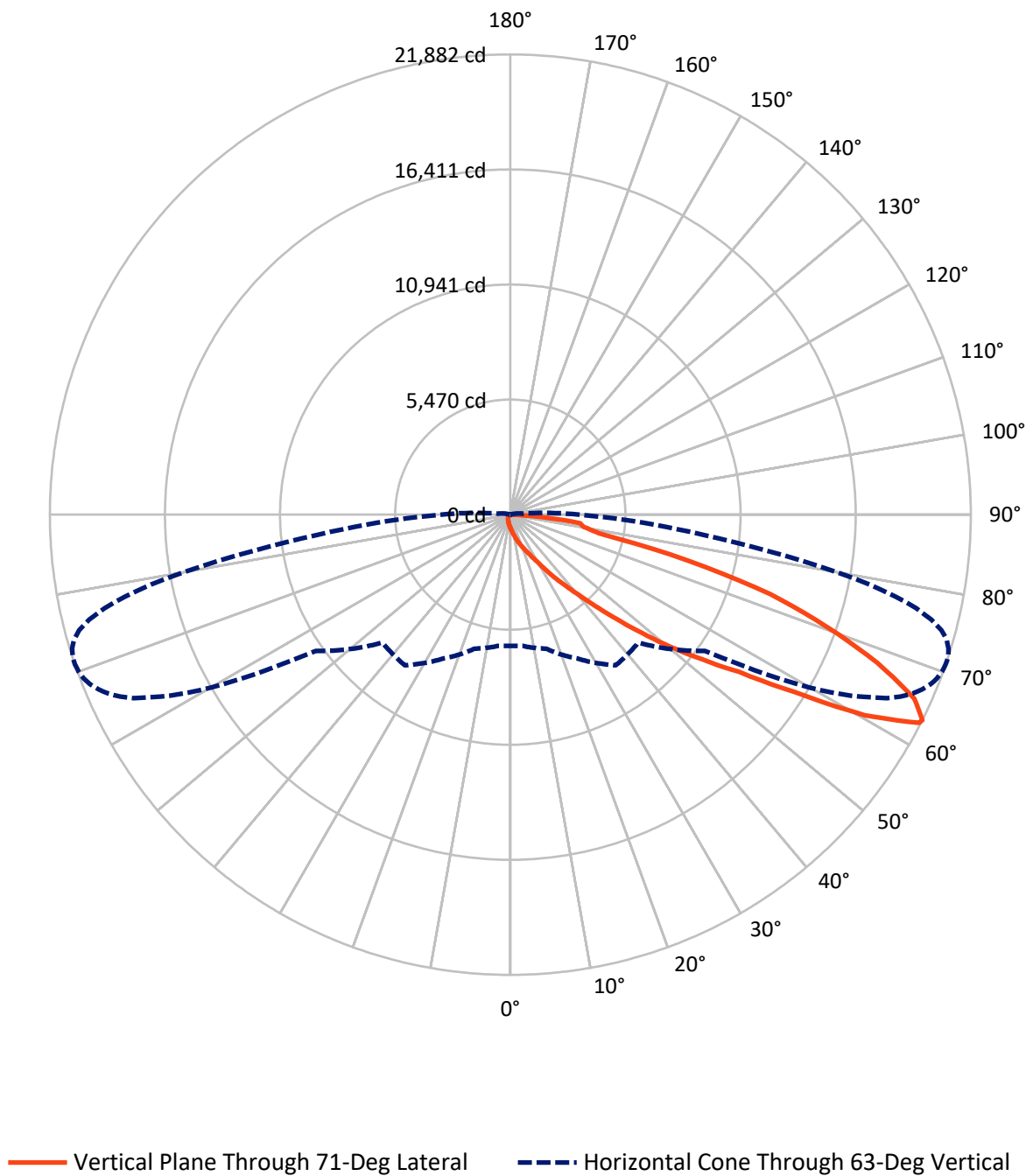


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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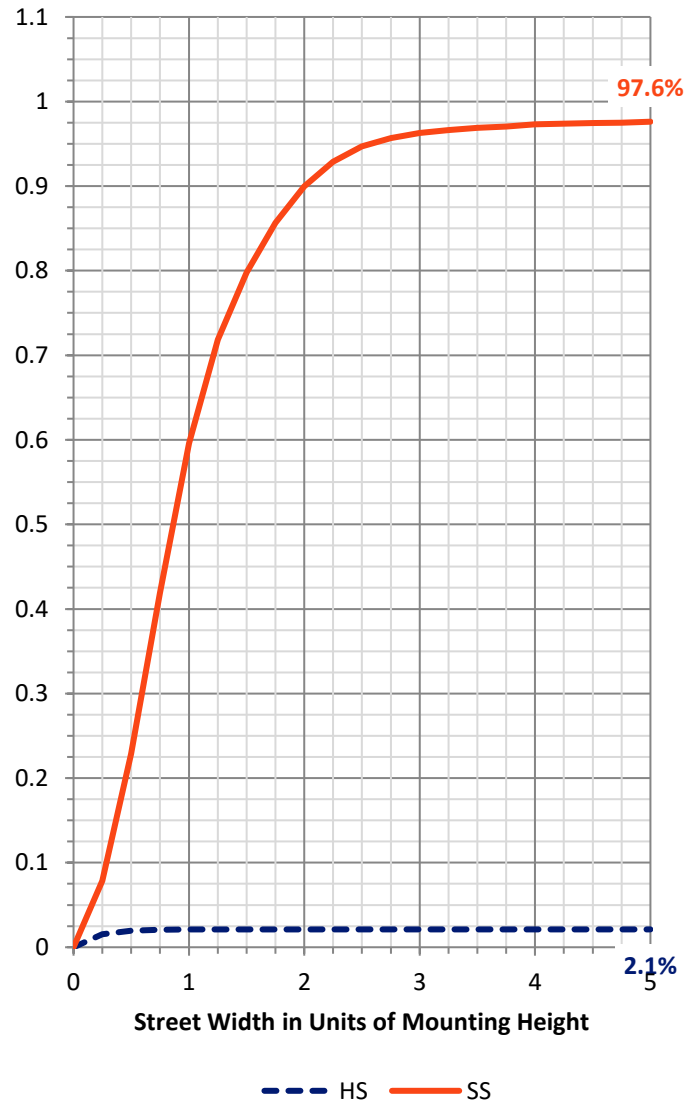
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	348.0	0.0	348.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	16043.8	0.0	16043.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	16391.8	0.0	16391.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	0.4
10°-20°	269.5	1.6
20°-30°	547.4	3.3
30°-40°	1337.5	8.2
40°-50°	2991.2	18.2
50°-60°	4206.0	25.7
60°-70°	4945.9	30.2
70°-80°	1785.9	10.9
80°-90°	238.8	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°	16391.8	100.0
0°-180°	16391.8	100.0

Coefficient of Utilization



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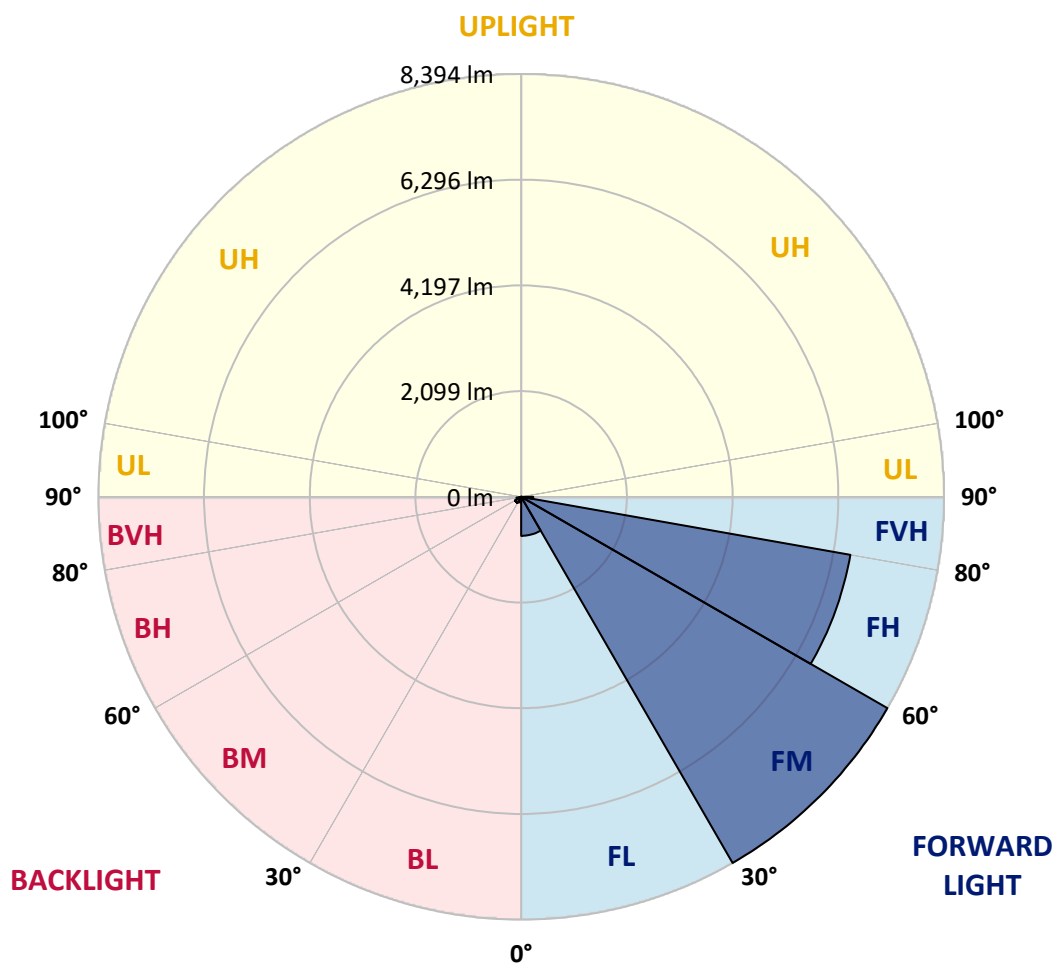
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	774.6	4.7			
FM	(30°-60°)	8394.5	51.2			
FH	(60°-80°)	6636.4	40.5			G3/7500
FVH	(80°-90°)	238.3	1.5			G3/500
BL	(0°-30°)	111.9	0.7	B1/500		
BM	(30°-60°)	140.2	0.9	B0/220		
BH	(60°-80°)	95.4	0.6	B0/110		G0/110
BVH	(80°-90°)	0.5	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°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	822.5	831.3	825.4	810.5	792.6	768.9	747.9	747.9	745.0	736.0	739.0
5°	1078.7	1081.8	1069.8	1034.0	1001.2	950.6	893.9	888.0	882.0	873.1	870.2
7.5°	1329.1	1340.9	1329.1	1290.2	1224.7	1147.3	1057.9	1049.0	1031.1	1031.1	1019.2
10°	1585.4	1585.4	1573.4	1528.7	1469.0	1358.8	1245.5	1230.7	1209.9	1203.9	1186.0
12.5°	1767.1	1767.1	1761.1	1737.4	1689.6	1591.3	1454.2	1439.3	1412.6	1403.5	1382.7
15°	1838.5	1838.5	1841.6	1862.4	1865.5	1820.8	1677.7	1665.7	1638.9	1615.1	1606.2
17.5°	1883.2	1880.3	1880.3	1910.2	1963.8	1993.6	1901.1	1889.2	1859.5	1847.6	1817.7
20°	1981.7	1975.7	1957.8	1957.8	2008.5	2112.7	2112.7	2109.8	2077.0	2068.0	2053.2
22.5°	2127.7	2121.7	2068.0	2023.3	2047.2	2178.4	2300.5	2294.6	2282.6	2270.7	2261.8
25°	2366.0	2345.2	2252.8	2121.7	2100.9	2241.0	2443.5	2458.5	2467.4	2467.4	2473.3
27.5°	2726.7	2699.9	2536.0	2291.7	2199.2	2342.1	2601.5	2631.3	2658.1	2664.1	2690.9
30°	3227.2	3179.6	2944.2	2586.6	2375.1	2491.3	2834.0	2866.7	2905.5	2917.4	2959.0
32.5°	4049.7	4022.9	3796.5	3260.0	2807.0	2783.3	3158.8	3200.4	3251.1	3271.9	3322.6
35°	5301.4	5307.3	5122.6	4639.8	4014.0	3686.1	3739.9	3775.5	3793.4	3856.0	3882.8
37.5°	6150.6	6165.4	6207.2	6016.5	5569.5	5235.7	4815.5	4854.4	4761.9	4770.8	4773.9
40°	6615.5	6663.1	6907.5	7092.3	7056.5	6862.8	6526.1	6546.9	6374.1	6335.4	6147.5
42.5°	6925.3	6987.9	7378.4	7950.4	8242.5	8418.4	8340.9	8331.9	8197.8	8147.1	7989.1
45°	7119.1	7175.7	7667.4	8510.7	9184.2	9696.7	9908.2	9932.1	9818.8	9768.1	9637.1
47.5°	7110.0	7175.7	7703.0	8719.3	9711.7	10531.1	11127.1	11156.8	11225.4	11180.7	11189.6
50°	6716.8	6779.4	7309.8	8364.6	9556.6	10912.5	12003.2	12098.5	12208.7	12283.3	12319.1
52.5°	6240.0	6284.7	6755.5	7756.8	8895.0	10754.5	12521.6	12685.5	12849.5	12989.6	13087.8
55°	6064.1	6114.8	6484.3	7315.8	8364.6	10093.0	12763.0	13004.4	13236.9	13466.4	13654.0
57.5°	6156.6	6204.2	6469.4	7107.1	8048.9	9395.7	12831.6	13207.1	13588.5	13960.9	14330.5
60°	6496.2	6546.9	6773.5	7300.8	7965.4	8993.5	12563.4	13186.3	13820.9	14470.5	15081.4
62.5°	6362.1	6382.9	6716.8	7640.6	8561.3	8650.7	11588.9	12459.2	13427.7	14428.9	15415.1
63°	6234.0	6257.9	6597.6	7548.1	8743.2	8600.0	11288.0	12205.8	13227.9	14306.6	15379.5
65°	5653.0	5655.9	5915.2	6666.1	8540.5	8689.4	9947.1	10823.1	11997.2	13290.5	14646.4
67.5°	4219.6	4198.8	4449.0	5021.2	6704.9	8692.5	8537.4	9029.3	9845.8	10993.0	12208.7
70°	1496.0	1463.2	1868.4	2661.0	4177.8	7110.0	7336.6	7369.4	7595.9	8215.7	8978.6
72.5°	485.7	494.7	595.9	974.5	1925.0	4785.8	6642.3	6540.9	6481.4	6478.3	6579.6
75°	193.6	196.7	238.3	432.1	864.3	2306.5	5816.9	5873.4	5894.4	5924.0	5957.0
77.5°	92.3	101.3	134.1	241.4	429.1	1141.3	4162.9	4642.7	4916.8	5128.5	5256.7
80°	32.8	38.7	74.6	148.9	199.6	524.4	2193.2	2646.2	3048.4	3567.1	4014.0
82.5°	0.0	0.0	14.8	104.2	110.2	211.5	899.9	1054.8	1206.8	1564.4	2008.5
85°	0.0	0.0	0.0	29.9	32.8	35.8	304.0	366.6	411.3	479.7	554.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.9	17.9	44.7	68.6
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	733.1	730.2	730.2	724.2	721.1	715.1	712.3	703.2	700.3	700.3	700.3
5°	867.2	855.2	849.2	834.4	825.4	822.5	807.6	801.6	792.6	795.7	780.7
7.5°	1016.1	995.3	986.4	965.4	959.6	938.6	932.7	917.8	909.0	891.0	885.1
10°	1180.0	1153.2	1138.4	1105.5	1096.6	1081.8	1063.9	1045.9	1031.1	1013.2	1004.3
12.5°	1367.9	1344.0	1332.0	1287.3	1266.5	1245.5	1221.8	1197.9	1174.1	1159.2	1138.4
15°	1588.3	1549.5	1537.6	1496.0	1460.2	1433.4	1400.6	1370.8	1352.8	1323.2	1302.2
17.5°	1805.8	1767.1	1758.2	1695.6	1656.9	1638.9	1603.3	1564.4	1531.6	1502.0	1469.0
20°	2023.3	1996.5	1972.6	1913.1	1871.5	1841.6	1793.8	1755.1	1728.3	1686.7	1644.9
22.5°	2241.0	2214.0	2196.3	2133.7	2095.0	2053.2	2011.5	1969.7	1931.0	1880.3	1832.7
25°	2464.5	2446.6	2437.5	2381.1	2345.2	2306.5	2264.7	2217.1	2169.3	2112.7	2062.2
27.5°	2696.8	2702.8	2684.9	2672.9	2634.2	2607.4	2541.9	2509.2	2473.3	2404.8	2342.1
30°	2991.8	3009.7	3003.7	3012.8	2988.9	2971.0	2920.3	2878.7	2836.9	2771.4	2699.9
32.5°	3364.4	3388.3	3400.0	3433.0	3421.0	3415.0	3400.0	3340.5	3310.6	3197.5	3167.7
35°	3939.5	3927.5	3978.2	4005.0	3993.0	3987.2	3969.3	3936.6	3900.7	3820.2	3745.8
37.5°	4687.4	4699.3	4717.2	4663.7	4627.8	4624.9	4571.2	4538.4	4487.8	4398.4	4309.0
40°	6058.1	5983.8	5900.3	5673.8	5575.5	5518.9	5360.9	5316.2	5229.7	5107.6	5015.3
42.5°	7840.2	7765.7	7515.4	7137.0	6934.3	6654.2	6526.1	6368.1	6246.0	6046.4	5939.1
45°	9610.3	9395.7	9365.9	8924.9	8674.6	8305.1	8075.6	7810.3	7533.3	7271.1	7080.4
47.5°	11103.2	11055.5	10909.6	10641.3	10408.9	10098.9	9804.0	9395.7	9109.6	8737.2	8394.5
50°	12298.1	12295.2	12241.5	12086.6	11893.0	11642.7	11383.4	11037.7	10712.9	10256.9	9890.5
52.5°	13192.2	13239.8	13257.7	13210.0	13135.6	12915.0	12784.0	12494.8	12220.7	11833.2	11436.9
55°	13847.7	14023.6	14112.9	14214.3	14193.5	14116.0	14110.1	13922.2	13797.2	13490.1	13210.0
57.5°	14658.4	14947.3	15224.4	15716.2	15734.0	15907.0	15996.4	16085.8	16109.5	15987.3	15895.0
60°	15689.3	16279.4	16803.8	17832.0	18100.2	18523.3	18797.4	19095.5	19348.6	19369.6	19363.6
62.5°	16416.4	17325.3	18171.7	19697.3	20218.8	20707.6	21074.1	21363.2	21538.9	21717.7	21801.1
63°	16437.4	17432.6	18332.5	19906.0	20454.3	20919.2	21267.9	21536.0	21720.8	21827.9	21881.7
65°	15933.8	17140.6	18213.3	19780.7	20296.3	20764.3	20945.9	21121.8	21211.2	21252.8	21094.9
67.5°	13505.1	14685.1	15936.6	17688.9	18129.9	18690.1	18839.2	18928.6	18970.2	18961.4	18827.3
70°	10098.9	11088.4	12480.0	14482.5	15066.6	15614.9	15954.6	16100.6	16148.2	16133.3	15933.8
72.5°	7050.5	7631.6	8778.8	11007.9	11803.6	12506.8	12926.9	13144.5	13189.2	13099.8	12915.0
75°	5921.1	5951.0	6210.1	7428.9	8173.9	8924.9	9398.6	9535.8	9446.4	9175.1	8704.5
77.5°	5286.3	5352.0	5352.0	5533.7	5679.7	5888.4	5933.1	5599.2	5212.0	4711.3	4306.1
80°	4434.2	4663.7	4824.5	4958.6	4973.5	4931.8	4821.5	4633.8	4335.8	3954.3	3531.2
82.5°	2693.9	3146.9	3331.6	4022.9	4362.5	4592.0	4574.3	4323.8	4097.4	3701.1	3340.5
85°	679.5	733.1	795.7	1034.0	1159.2	1415.5	1576.3	1650.9	1677.7	1540.7	1394.6
87.5°	65.5	44.7	74.6	56.6	80.5	59.5	80.5	74.6	92.3	98.3	107.3
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	694.3	691.3	688.4	685.5	682.4	679.5	673.5	673.5	667.6	664.5	661.6
5°	771.8	765.8	762.9	756.9	747.9	741.9	733.1	721.1	712.3	709.2	703.2
7.5°	870.2	855.2	849.2	840.4	828.4	810.5	798.6	789.7	774.9	765.8	747.9
10°	980.4	965.4	947.7	929.8	911.8	891.0	876.0	864.3	840.4	828.4	807.6
12.5°	1120.5	1093.7	1072.7	1049.0	1025.1	1001.2	983.3	947.7	926.7	899.9	882.0
15°	1263.5	1239.6	1215.9	1186.0	1150.2	1111.4	1093.7	1060.8	1034.0	992.4	968.5
17.5°	1436.3	1391.6	1355.9	1320.1	1287.3	1251.5	1215.9	1165.2	1126.5	1090.6	1043.0
20°	1606.2	1552.6	1513.7	1466.1	1418.5	1361.9	1320.1	1284.3	1230.7	1183.1	1132.4
22.5°	1787.9	1734.3	1671.7	1624.1	1558.6	1513.7	1457.3	1397.5	1344.0	1281.4	1218.8
25°	2008.5	1951.8	1880.3	1817.7	1743.2	1680.7	1612.2	1543.6	1478.1	1406.6	1326.1
27.5°	2279.7	2220.0	2142.5	2068.0	1969.7	1892.3	1826.8	1734.3	1650.9	1561.5	1469.0
30°	2622.3	2556.8	2461.4	2354.1	2255.8	2169.3	2077.0	1954.9	1862.4	1755.1	1636.0
32.5°	3069.4	2991.8	2863.7	2762.3	2640.2	2526.9	2398.8	2276.6	2145.6	2005.6	1868.4
35°	3632.6	3561.1	3412.0	3263.0	3129.0	2994.9	2834.0	2693.9	2509.2	2339.2	2163.4
37.5°	4216.7	4088.4	3951.4	3790.5	3623.5	3462.6	3265.9	3072.3	2860.8	2676.0	2455.4
40°	4884.1	4729.2	4615.9	4443.1	4207.6	3978.2	3796.5	3555.1	3289.8	3042.5	2783.3
42.5°	5799.0	5626.2	5423.5	5161.3	4991.4	4723.2	4487.8	4201.7	3853.0	3575.9	3263.0
45°	6856.9	6621.5	6424.7	6171.4	5965.8	5632.2	5358.0	4976.5	4627.8	4264.3	3882.8
47.5°	8063.7	7771.6	7485.5	7235.3	6907.5	6579.6	6231.1	5825.8	5378.8	4979.4	4526.5
50°	9449.3	9035.1	8638.8	8317.0	7867.0	7488.6	7110.0	6654.2	6159.5	5700.6	5185.0
52.5°	10990.0	10510.2	9985.8	9491.1	8969.6	8483.9	8027.9	7503.4	6952.2	6392.0	5816.9
55°	12849.5	12488.8	11872.1	11243.3	10545.9	9896.4	9309.2	8659.8	7989.1	7253.2	6648.2
57.5°	15760.9	15585.0	15069.5	14440.8	13531.9	12742.2	11746.9	10951.2	9979.9	8966.7	8185.8
60°	19706.4	19488.7	19199.7	18690.1	17969.0	16896.3	15799.7	14563.0	13084.9	11681.4	10349.4
62.5°	21810.2	21732.6	21497.3	21145.5	20472.2	19625.8	18520.4	17161.4	15492.8	13788.1	12089.7
63°	21872.6	21774.4	21571.7	21214.1	20621.1	19801.7	18716.9	17396.8	15763.8	14026.6	12292.1
65°	21026.5	20987.7	20782.0	20391.7	19986.5	19360.6	18520.4	17384.9	16014.1	14372.3	12646.8
67.5°	18648.5	18532.1	18216.4	18097.1	17814.1	17378.9	16738.3	15957.5	14977.2	13686.8	12196.8
70°	15772.7	15599.9	15203.6	14992.0	14646.4	14372.3	13981.9	13424.6	12819.6	11919.7	10808.3
72.5°	12724.3	12366.7	12003.2	11452.0	10969.2	10480.4	10048.3	9655.0	8990.4	8626.8	7783.6
75°	8263.3	7613.6	6991.0	6156.6	5405.6	4741.1	4094.4	3766.6	3084.3	2807.0	2410.7
77.5°	3921.6	3558.0	3069.4	2690.9	2208.1	1802.9	1472.1	1105.5	867.2	679.5	518.4
80°	3164.6	2857.7	2562.7	2220.0	1856.5	1481.0	1135.3	849.2	601.9	417.1	295.0
82.5°	2822.0	2488.2	2124.6	1889.2	1642.0	1344.0	1102.6	899.9	664.5	485.7	330.8
85°	1096.6	923.8	712.3	581.1	452.9	372.4	336.8	232.4	181.9	143.0	110.2
87.5°	95.4	77.5	62.6	41.8	44.7	23.9	26.8	17.9	14.8	14.8	11.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	658.5	655.6	652.5	646.6	646.6	640.8	637.7	634.8	619.8	587.0	560.2
5°	691.3	685.5	679.5	670.5	664.5	655.6	649.6	640.8	607.8	545.4	491.7
7.5°	739.0	727.1	718.2	700.3	691.3	679.5	670.5	655.6	601.9	506.5	432.1
10°	795.7	774.9	759.8	739.0	721.1	706.3	691.3	670.5	595.9	464.9	378.4
12.5°	864.3	840.4	810.5	786.6	762.9	741.9	721.1	694.3	587.0	429.1	336.8
15°	932.7	897.0	876.0	843.3	810.5	780.7	751.0	727.1	590.1	390.3	300.9
17.5°	1010.1	974.5	929.8	893.9	858.3	819.6	783.7	736.0	575.1	360.7	274.2
20°	1084.7	1034.0	992.4	947.7	897.0	849.2	804.5	762.9	563.1	330.8	250.3
22.5°	1165.2	1105.5	1051.9	995.3	932.7	879.1	825.4	771.8	542.3	304.0	229.5
25°	1263.5	1194.9	1117.4	1049.0	983.3	917.8	849.2	783.7	521.5	280.1	214.6
27.5°	1382.7	1293.3	1215.9	1129.4	1037.1	953.7	879.1	807.6	500.7	262.2	199.6
30°	1534.7	1430.3	1320.1	1209.9	1111.4	1016.1	911.8	822.5	479.7	244.3	184.8
32.5°	1737.4	1606.2	1472.1	1344.0	1212.8	1090.6	980.4	864.3	467.8	229.5	169.9
35°	2005.6	1835.6	1671.7	1510.8	1352.8	1203.9	1060.8	929.8	467.8	211.5	152.0
37.5°	2258.7	2062.2	1853.6	1653.8	1466.1	1293.3	1123.4	965.4	444.1	196.7	137.2
40°	2532.9	2297.4	2053.2	1817.7	1591.3	1376.7	1183.1	1001.2	423.1	178.8	122.1
42.5°	2953.1	2655.2	2336.4	2062.2	1790.9	1525.7	1284.3	1069.8	396.3	160.9	107.3
45°	3504.4	3125.9	2750.6	2416.7	2071.1	1746.2	1460.2	1194.9	390.3	146.0	92.3
47.5°	4094.4	3647.4	3206.4	2780.2	2375.1	1996.5	1653.8	1334.9	390.3	131.2	80.5
50°	4681.4	4121.3	3650.5	3155.7	2699.9	2252.8	1844.5	1481.0	393.4	119.3	65.5
52.5°	5212.0	4613.0	4085.5	3513.3	3009.7	2491.3	2047.2	1624.1	387.4	104.2	53.6
55°	5947.9	5244.7	4633.8	4002.1	3412.0	2828.0	2324.4	1838.5	390.3	92.3	44.7
57.5°	7303.8	6478.3	5742.4	4913.9	4234.4	3480.6	2869.6	2279.7	426.2	77.5	32.8
60°	9249.7	8177.0	7143.0	6132.7	5268.6	4371.6	3578.8	2884.7	500.7	62.6	23.9
62.5°	10557.8	9154.3	7920.7	6806.2	5801.9	4863.3	3999.0	3209.3	551.2	50.7	14.8
63°	10691.9	9240.8	8001.1	6850.9	5825.8	4887.1	4016.9	3233.2	554.3	47.6	14.8
65°	10945.3	9389.8	8045.8	6859.8	5801.9	4854.4	4005.0	3230.3	560.2	38.7	11.9
67.5°	10656.3	9160.3	7786.6	6603.5	5593.2	4660.6	3856.0	3111.0	557.2	26.8	8.9
70°	9529.8	8290.2	7083.3	5980.7	5062.9	4219.6	3510.4	2836.9	512.5	17.9	6.0
72.5°	6996.9	6153.5	5217.9	4422.3	3814.2	3167.7	2702.8	2130.6	396.3	11.9	2.9
75°	2074.0	1889.2	1588.3	1400.6	1236.7	1022.1	909.0	709.2	202.7	6.0	0.0
77.5°	414.2	375.5	336.8	306.9	289.0	247.4	235.4	193.6	83.4	2.9	0.0
80°	217.5	178.8	152.0	134.1	116.2	95.4	80.5	65.5	14.8	0.0	0.0
82.5°	208.6	140.1	101.3	83.4	71.5	56.6	44.7	32.8	8.9	0.0	0.0
85°	77.5	59.5	44.7	35.8	29.9	26.8	20.8	17.9	0.0	0.0	0.0
87.5°	11.9	8.9	8.9	6.0	6.0	2.9	2.9	2.9	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: P165121

CATALOG NUMBER: VST-F12-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	628.8	628.8	628.8	628.8	628.8	628.8	628.8
2.5°	533.5	509.6	497.6	482.8	482.8	479.7	485.7
5°	444.1	411.3	387.4	369.5	372.4	363.5	366.6
7.5°	375.5	342.7	321.7	310.0	306.9	304.0	304.0
10°	324.8	295.0	277.0	268.2	265.3	265.3	265.3
12.5°	289.0	259.3	244.3	238.3	238.3	235.4	235.4
15°	259.3	235.4	220.6	214.6	214.6	211.5	214.6
17.5°	235.4	211.5	199.6	193.6	193.6	190.7	190.7
20°	214.6	193.6	181.9	172.8	172.8	169.9	172.8
22.5°	196.7	175.9	160.9	154.9	152.0	148.9	152.0
25°	178.8	158.0	143.0	134.1	131.2	131.2	128.1
27.5°	163.9	143.0	125.2	116.2	113.3	113.3	110.2
30°	148.9	125.2	107.3	98.3	95.4	95.4	95.4
32.5°	134.1	107.3	92.3	83.4	80.5	80.5	80.5
35°	119.3	92.3	77.5	68.6	65.5	65.5	65.5
37.5°	101.3	77.5	59.5	53.6	50.7	47.6	47.6
40°	86.5	59.5	44.7	38.7	32.8	32.8	32.8
42.5°	71.5	47.6	32.8	23.9	20.8	17.9	20.8
45°	59.5	35.8	20.8	11.9	8.9	8.9	8.9
47.5°	47.6	23.9	8.9	2.9	2.9	2.9	2.9
50°	35.8	14.8	2.9	0.0	0.0	2.9	2.9
52.5°	26.8	8.9	0.0	0.0	0.0	0.0	0.0
55°	14.8	2.9	0.0	0.0	0.0	0.0	0.0
57.5°	8.9	0.0	0.0	0.0	0.0	0.0	0.0
60°	6.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.9	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)