

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: P165101

Luminaire Tested: **VST-F10-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165101
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-F10-LED-E-U-SL2-HSS-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (70) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13659.8 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

Input Watts (W): 258.7
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



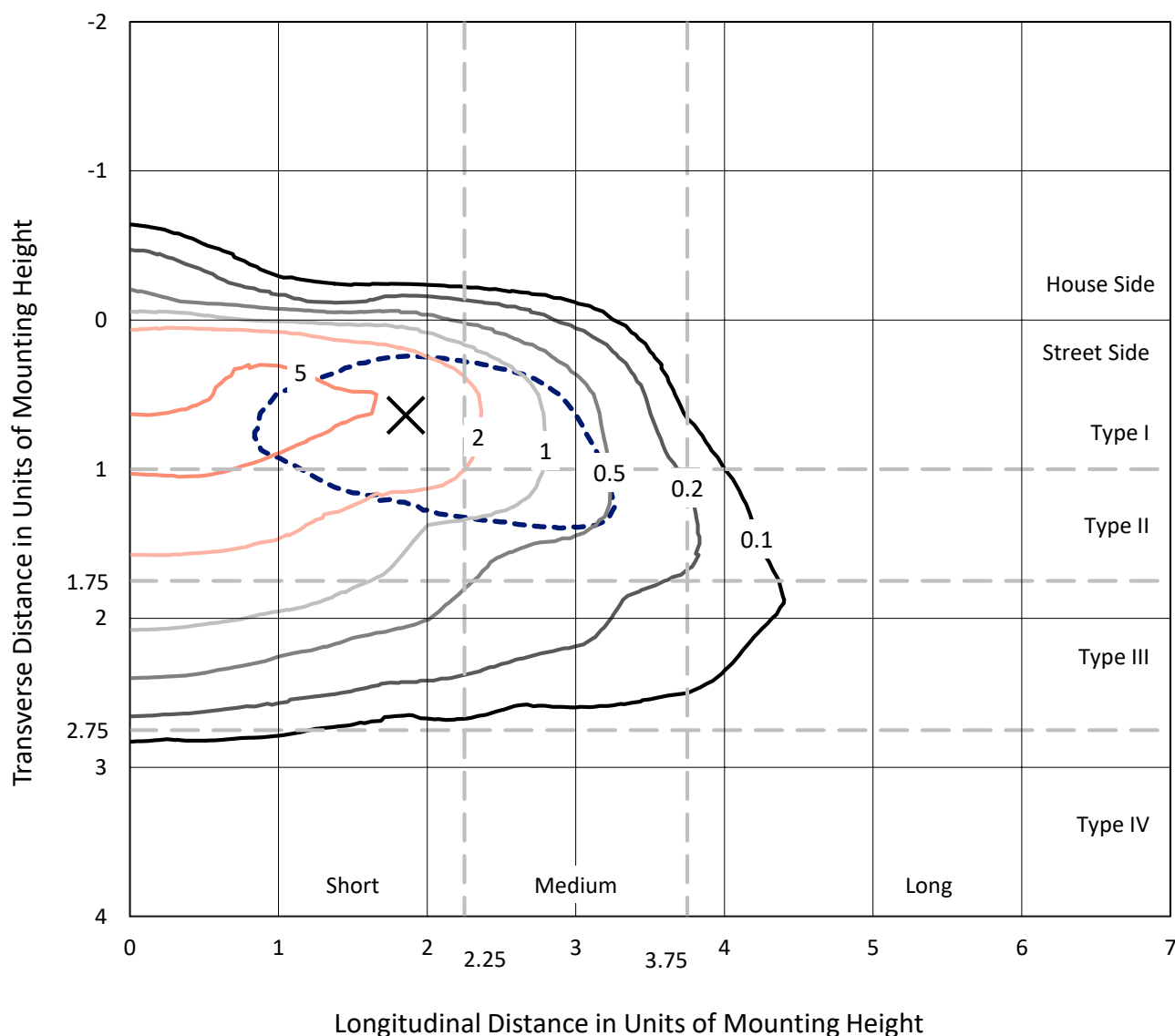
REPORT NUMBER: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

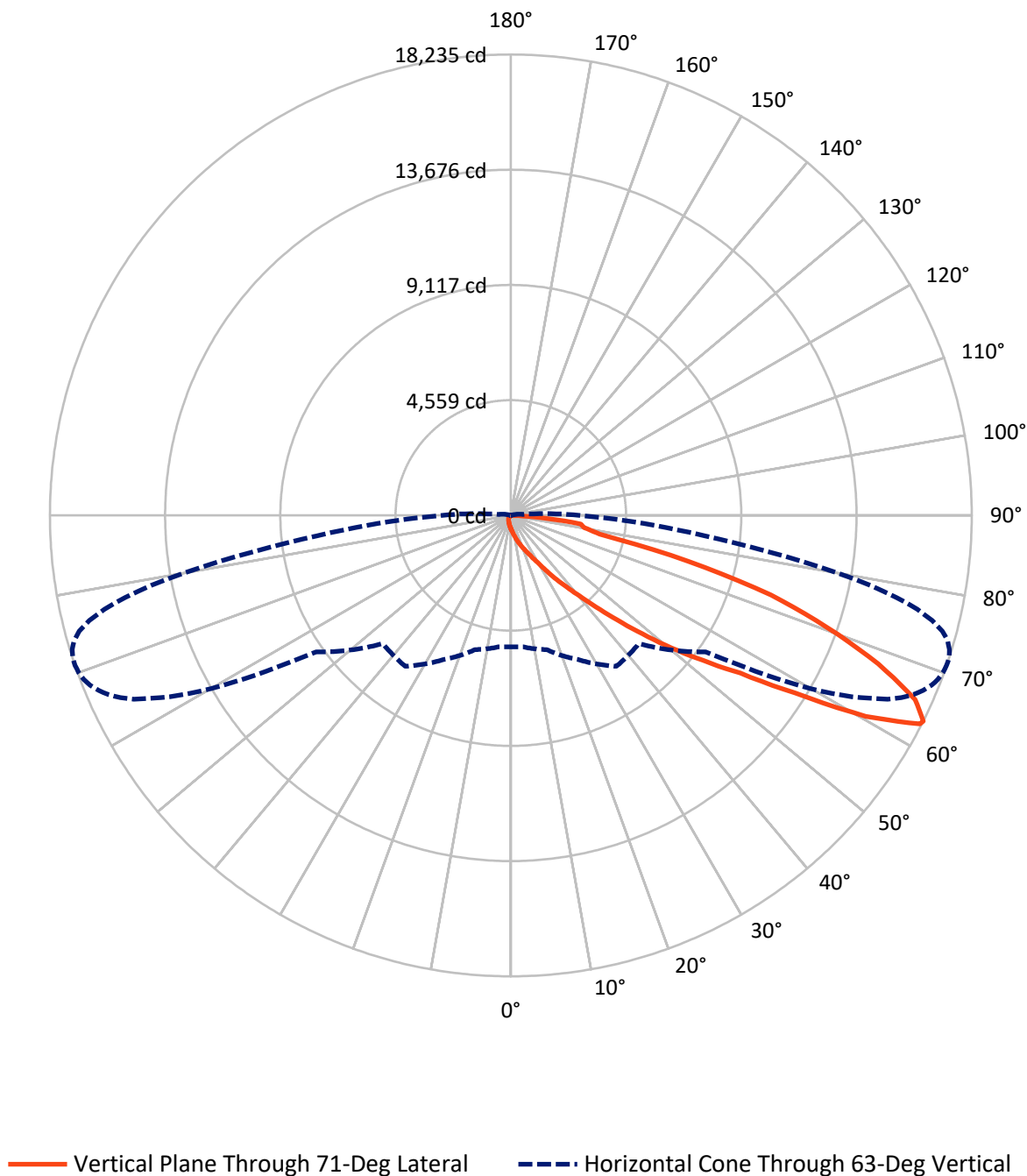


Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
Type II - Short - Non-Cutoff

REPORT NUMBER: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

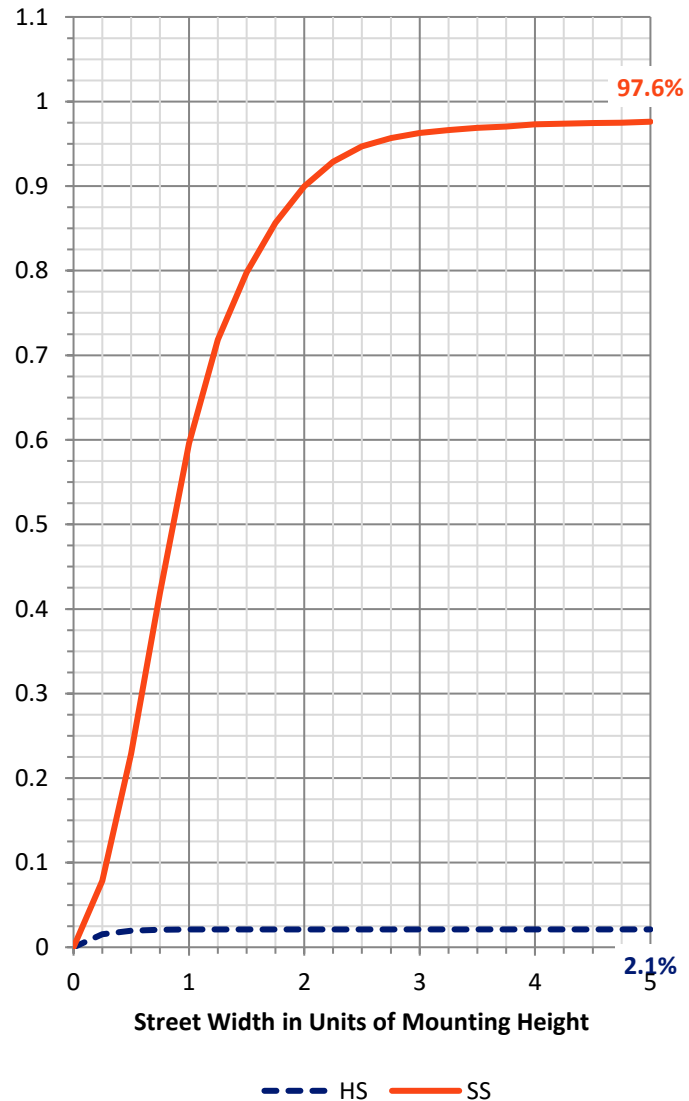
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	290.0	0.0	290.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	13369.8	0.0	13369.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	13659.8	0.0	13659.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.9	0.4
10°-20°	224.6	1.6
20°-30°	456.2	3.3
30°-40°	1114.6	8.2
40°-50°	2492.7	18.2
50°-60°	3505.0	25.7
60°-70°	4121.6	30.2
70°-80°	1488.3	10.9
80°-90°	199.0	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°	13659.8	100.0
0°-180°	13659.8	100.0

Coefficient of Utilization



REPORT NUMBER: P165101

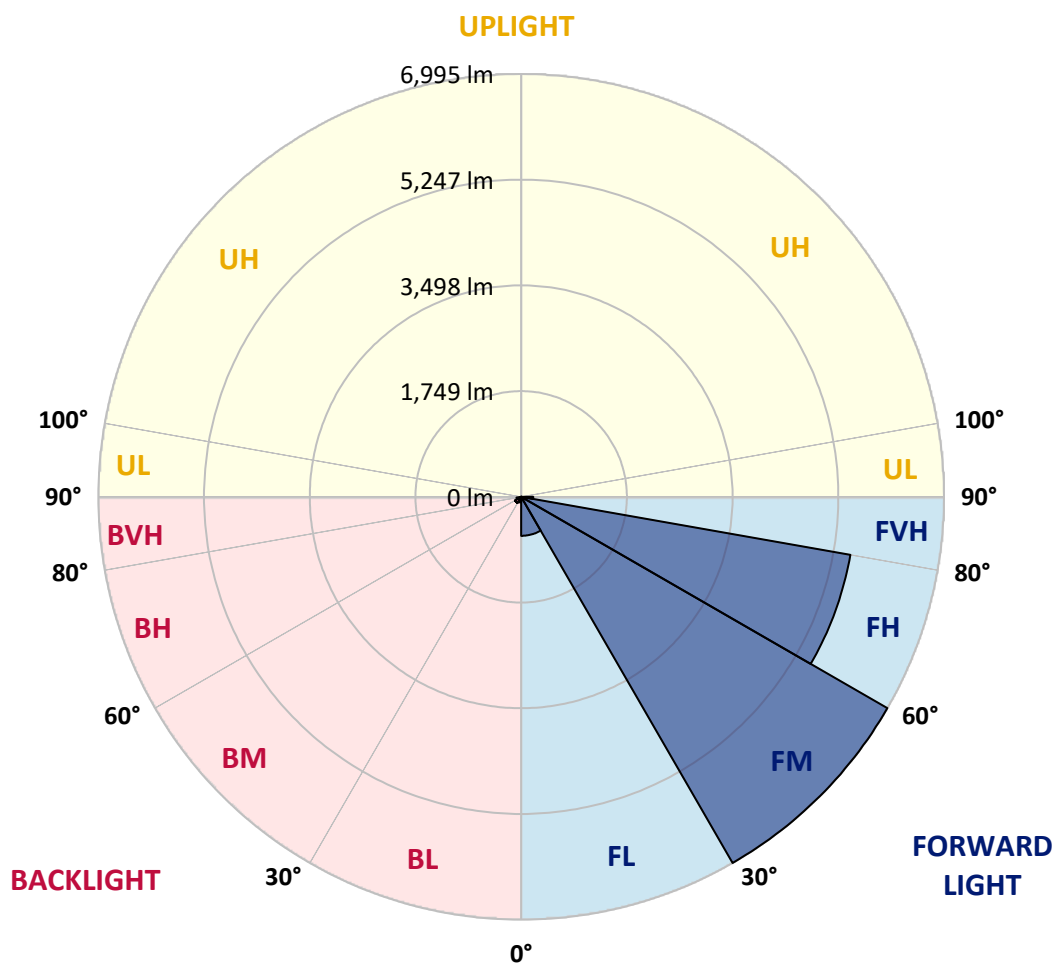
CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.5	4.7			
FM	(30°-60°)	6995.4	51.2			
FH	(60°-80°)	5530.3	40.5			G3/7500
FVH	(80°-90°)	198.6	1.5			G2/225
BL	(0°-30°)	93.2	0.7	B0/110		
BM	(30°-60°)	116.8	0.9	B0/220		
BH	(60°-80°)	79.5	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G3

Type II Short





REPORT NUMBER: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0
2.5°	685.4	692.8	687.8	675.4	660.5	640.7	623.3	623.3	620.8	613.3	615.9
5°	898.9	901.5	891.5	861.7	834.4	792.1	744.9	740.0	735.0	727.6	725.2
7.5°	1107.6	1117.4	1107.6	1075.2	1020.6	956.1	881.6	874.2	859.3	859.3	849.3
10°	1321.1	1321.1	1311.2	1273.9	1224.2	1132.3	1037.9	1025.6	1008.2	1003.3	988.3
12.5°	1472.5	1472.5	1467.6	1447.8	1408.0	1326.1	1211.8	1199.5	1177.1	1169.6	1152.3
15°	1532.1	1532.1	1534.7	1552.0	1554.6	1517.3	1398.1	1388.1	1365.8	1345.9	1338.5
17.5°	1569.4	1566.9	1566.9	1591.8	1636.5	1661.3	1584.3	1574.3	1549.6	1539.7	1514.8
20°	1651.4	1646.4	1631.5	1631.5	1673.7	1760.6	1760.6	1758.2	1730.9	1723.3	1711.0
22.5°	1773.1	1768.1	1723.3	1686.1	1706.0	1815.3	1917.1	1912.1	1902.2	1892.2	1884.8
25°	1971.7	1954.4	1877.3	1768.1	1750.8	1867.5	2036.2	2048.8	2056.1	2056.1	2061.1
27.5°	2272.2	2249.9	2113.3	1909.7	1832.7	1951.8	2167.9	2192.8	2215.1	2220.1	2242.4
30°	2689.3	2649.7	2453.5	2155.5	1979.2	2076.0	2361.7	2389.0	2421.2	2431.2	2465.9
32.5°	3374.7	3352.4	3163.8	2716.6	2339.2	2319.4	2632.3	2667.0	2709.2	2726.6	2768.8
35°	4417.8	4422.8	4268.8	3866.5	3345.0	3071.8	3116.6	3146.3	3161.2	3213.4	3235.7
37.5°	5125.5	5137.9	5172.7	5013.8	4641.3	4363.1	4012.9	4045.3	3968.3	3975.7	3978.2
40°	5512.9	5552.6	5756.3	5910.3	5880.4	5719.0	5438.4	5455.7	5311.7	5279.5	5122.9
42.5°	5771.1	5823.2	6148.7	6625.3	6868.7	7015.3	6950.8	6943.2	6831.5	6789.3	6657.6
45°	5932.6	5979.8	6389.5	7092.2	7653.5	8080.5	8256.8	8276.7	8182.3	8140.1	8030.9
47.5°	5925.0	5979.8	6419.2	7266.1	8093.1	8775.9	9272.6	9297.3	9354.5	9317.2	9324.6
50°	5597.3	5649.5	6091.5	6970.5	7963.8	9093.8	10002.6	10082.1	10173.9	10236.1	10265.9
52.5°	5200.0	5237.2	5629.6	6464.0	7412.5	8962.1	10434.7	10571.3	10707.9	10824.6	10906.5
55°	5053.4	5095.6	5403.6	6096.5	6970.5	8410.8	10635.8	10837.0	11030.8	11222.0	11378.4
57.5°	5130.5	5170.1	5391.2	5922.6	6707.4	7829.8	10693.0	11005.9	11323.8	11634.1	11942.1
60°	5413.5	5455.7	5644.5	6084.0	6637.9	7494.5	10469.5	10988.6	11517.4	12058.8	12567.9
62.5°	5301.8	5319.1	5597.3	6367.2	7134.4	7208.9	9657.4	10382.6	11189.7	12024.1	12845.9
63°	5195.0	5214.9	5498.0	6290.1	7286.0	7166.7	9406.7	10171.5	11023.2	11922.1	12816.2
65°	4710.8	4713.2	4929.3	5555.1	7117.1	7241.2	8289.3	9019.3	9997.7	11075.4	12205.3
67.5°	3516.3	3499.0	3707.5	4184.4	5587.4	7243.8	7114.5	7524.4	8204.8	9160.9	10173.9
70°	1246.7	1219.4	1557.0	2217.5	3481.5	5925.0	6113.8	6141.1	6329.9	6846.4	7482.2
72.5°	404.7	412.3	496.6	812.1	1604.2	3988.2	5535.2	5450.8	5401.2	5398.6	5483.0
75°	161.4	163.9	198.6	360.1	720.2	1922.1	4847.4	4894.5	4912.0	4936.7	4964.1
77.5°	76.9	84.4	111.7	201.2	357.5	951.1	3469.1	3868.9	4097.4	4273.8	4380.6
80°	27.3	32.3	62.1	124.1	166.3	437.0	1827.7	2205.1	2540.4	2972.5	3345.0
82.5°	0.0	0.0	12.4	86.9	91.8	176.3	749.9	879.0	1005.7	1303.7	1673.7
85°	0.0	0.0	0.0	24.9	27.3	29.9	253.3	305.5	342.8	399.8	461.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	7.4	14.9	37.2	57.2
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: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0
2.5°	610.9	608.5	608.5	603.5	600.9	596.0	593.5	586.0	583.6	583.6	583.6
5°	722.6	712.7	707.7	695.3	687.8	685.4	673.0	668.0	660.5	663.1	650.5
7.5°	846.7	829.4	822.0	804.5	799.7	782.2	777.2	764.9	757.5	742.5	737.6
10°	983.4	961.0	948.7	921.2	913.8	901.5	886.5	871.6	859.3	844.3	836.9
12.5°	1139.9	1120.0	1110.0	1072.8	1055.4	1037.9	1018.2	998.3	978.4	966.0	948.7
15°	1323.6	1291.3	1281.3	1246.7	1216.8	1194.5	1167.2	1142.3	1127.4	1102.6	1085.1
17.5°	1504.8	1472.5	1465.2	1413.0	1380.7	1365.8	1336.1	1303.7	1276.4	1251.6	1224.2
20°	1686.1	1663.8	1643.9	1594.2	1559.6	1534.7	1494.9	1462.6	1440.3	1405.6	1370.8
22.5°	1867.5	1845.0	1830.2	1778.1	1745.8	1711.0	1676.3	1641.4	1609.2	1566.9	1527.3
25°	2053.7	2038.8	2031.3	1984.2	1954.4	1922.1	1887.2	1847.6	1807.8	1760.6	1718.5
27.5°	2247.4	2252.3	2237.4	2227.4	2195.2	2172.9	2118.3	2091.0	2061.1	2004.0	1951.8
30°	2493.2	2508.1	2503.1	2510.6	2490.7	2475.8	2433.6	2398.9	2364.1	2309.5	2249.9
32.5°	2803.6	2823.6	2833.4	2860.8	2850.8	2845.9	2833.4	2783.7	2758.9	2664.6	2639.7
35°	3282.9	3272.9	3315.2	3337.5	3327.5	3322.7	3307.8	3280.5	3250.6	3183.5	3121.5
37.5°	3906.1	3916.1	3931.0	3886.4	3856.5	3854.1	3809.3	3782.0	3739.8	3665.3	3590.8
40°	5048.4	4986.5	4916.9	4728.1	4646.3	4599.1	4467.4	4430.2	4358.1	4256.3	4179.4
42.5°	6533.5	6471.4	6262.8	5947.5	5778.6	5545.2	5438.4	5306.8	5205.0	5038.6	4949.2
45°	8008.6	7829.8	7804.9	7437.4	7228.8	6920.9	6729.7	6508.6	6277.7	6059.2	5900.3
47.5°	9252.7	9212.9	9091.4	8867.7	8674.1	8415.8	8170.0	7829.8	7591.4	7281.0	6995.4
50°	10248.4	10246.0	10201.2	10072.1	9910.8	9702.2	9486.1	9198.1	8927.4	8547.4	8242.1
52.5°	10993.5	11033.2	11048.1	11008.3	10946.3	10762.5	10653.3	10412.3	10183.9	9861.0	9530.8
55°	11539.7	11686.3	11760.8	11845.2	11827.9	11763.4	11758.4	11601.8	11497.6	11241.7	11008.3
57.5°	12215.3	12456.1	12687.0	13096.9	13111.6	13255.8	13330.3	13404.8	13424.6	13322.8	13245.9
60°	13074.4	13566.2	14003.2	14860.0	15083.5	15436.1	15664.5	15912.9	16123.8	16141.3	16136.4
62.5°	13680.3	14437.8	15143.1	16414.4	16849.0	17256.3	17561.7	17802.7	17949.1	18098.1	18167.6
63°	13697.8	14527.2	15277.1	16588.3	17045.2	17432.6	17723.2	17946.7	18100.7	18189.9	18234.7
65°	13278.1	14283.8	15177.7	16484.0	16913.6	17303.5	17454.9	17601.5	17676.0	17710.7	17579.1
67.5°	11254.3	12237.6	13280.5	14740.7	15108.2	15575.1	15699.4	15773.8	15808.5	15801.1	15689.4
70°	8415.8	9240.3	10400.0	12068.7	12555.5	13012.4	13295.5	13417.2	13456.8	13444.5	13278.1
72.5°	5875.4	6359.6	7315.7	9173.2	9836.3	10422.3	10772.5	10953.7	10991.0	10916.5	10762.5
75°	4934.3	4959.2	5175.1	6190.7	6811.6	7437.4	7832.2	7946.5	7872.0	7645.9	7253.7
77.5°	4405.3	4460.0	4460.0	4611.4	4733.1	4907.0	4944.2	4666.0	4343.3	3926.0	3588.4
80°	3695.2	3886.4	4020.4	4132.2	4144.6	4109.9	4017.9	3861.5	3613.1	3295.3	2942.7
82.5°	2244.9	2622.4	2776.4	3352.4	3635.5	3826.7	3811.9	3603.2	3414.5	3084.3	2783.7
85°	566.2	610.9	663.1	861.7	966.0	1179.5	1313.6	1375.7	1398.1	1283.9	1162.2
87.5°	54.6	37.2	62.1	47.2	67.1	49.6	67.1	62.1	76.9	81.9	89.4
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: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0
2.5°	578.6	576.1	573.6	571.2	568.7	566.2	561.3	561.3	556.3	553.7	551.3
5°	643.2	638.2	635.8	630.8	623.3	618.3	610.9	600.9	593.5	591.0	586.0
7.5°	725.2	712.7	707.7	700.3	690.4	675.4	665.5	658.1	645.7	638.2	623.3
10°	817.0	804.5	789.7	774.8	759.9	742.5	730.0	720.2	700.3	690.4	673.0
12.5°	933.7	911.4	893.9	874.2	854.3	834.4	819.4	789.7	772.2	749.9	735.0
15°	1052.9	1033.0	1013.2	988.3	958.5	926.2	911.4	884.0	861.7	827.0	807.1
17.5°	1196.9	1159.6	1129.9	1100.1	1072.8	1042.9	1013.2	971.0	938.7	908.9	869.2
20°	1338.5	1293.9	1261.4	1221.8	1182.1	1134.9	1100.1	1070.2	1025.6	985.9	943.7
22.5°	1489.9	1445.3	1393.1	1353.4	1298.8	1261.4	1214.4	1164.6	1120.0	1067.8	1015.6
25°	1673.7	1626.5	1566.9	1514.8	1452.6	1400.6	1343.5	1286.3	1231.7	1172.2	1105.1
27.5°	1899.8	1850.0	1785.5	1723.3	1641.4	1576.9	1522.3	1445.3	1375.7	1301.2	1224.2
30°	2185.2	2130.6	2051.2	1961.7	1879.9	1807.8	1730.9	1629.1	1552.0	1462.6	1363.4
32.5°	2557.8	2493.2	2386.4	2301.9	2200.2	2105.8	1999.0	1897.2	1788.0	1671.3	1557.0
35°	3027.1	2967.6	2843.3	2719.2	2607.5	2495.7	2361.7	2244.9	2091.0	1949.4	1802.8
37.5°	3513.9	3407.0	3292.8	3158.8	3019.6	2885.5	2721.6	2560.3	2384.0	2230.0	2046.2
40°	4070.1	3941.0	3846.6	3702.6	3506.4	3315.2	3163.8	2962.6	2741.5	2535.4	2319.4
42.5°	4832.5	4688.5	4519.6	4301.1	4159.5	3936.0	3739.8	3501.4	3210.8	2979.9	2719.2
45°	5714.1	5517.9	5354.0	5142.8	4971.5	4693.5	4465.0	4147.1	3856.5	3553.6	3235.7
47.5°	6719.7	6476.4	6237.9	6029.4	5756.3	5483.0	5192.6	4854.8	4482.3	4149.5	3772.1
50°	7874.4	7529.2	7199.0	6930.9	6555.8	6240.5	5925.0	5545.2	5132.9	4750.5	4320.8
52.5°	9158.3	8758.5	8321.5	7909.2	7474.6	7069.9	6689.9	6252.9	5793.5	5326.7	4847.4
55°	10707.9	10407.4	9893.4	9369.4	8788.2	8247.0	7757.7	7216.5	6657.6	6044.3	5540.2
57.5°	13134.1	12987.5	12557.9	12034.0	11276.6	10618.5	9789.1	9126.0	8316.5	7472.2	6821.5
60°	16422.0	16240.6	15999.7	15575.1	14974.2	14080.2	13166.4	12135.8	10904.1	9734.5	8624.5
62.5°	18175.2	18110.5	17914.4	17621.3	17060.2	16354.9	15433.6	14301.1	12910.6	11490.1	10074.7
63°	18227.2	18145.3	17976.4	17678.4	17184.3	16501.4	15597.4	14497.3	13136.5	11688.9	10243.5
65°	17522.1	17489.8	17318.3	16993.1	16655.4	16133.8	15433.6	14487.4	13345.1	11976.9	10539.0
67.5°	15540.4	15443.4	15180.3	15080.9	14845.1	14482.4	13948.6	13297.9	12481.0	11405.7	10164.0
70°	13143.9	12999.9	12669.7	12493.4	12205.3	11976.9	11651.6	11187.2	10683.0	9933.1	9006.9
72.5°	10603.6	10305.6	10002.6	9543.3	9141.0	8733.7	8373.5	8045.9	7492.0	7189.0	6486.3
75°	6886.1	6344.7	5825.8	5130.5	4504.7	3950.9	3412.0	3138.9	2570.2	2339.2	2008.9
77.5°	3268.0	2965.0	2557.8	2242.4	1840.0	1502.4	1226.7	921.2	722.6	566.2	432.0
80°	2637.2	2381.4	2135.6	1850.0	1547.0	1234.1	946.1	707.7	501.6	347.6	245.8
82.5°	2351.7	2073.5	1770.5	1574.3	1368.3	1120.0	918.8	749.9	553.7	404.7	275.7
85°	913.8	769.8	593.5	484.2	377.4	310.3	280.6	193.6	151.6	119.1	91.8
87.5°	79.5	64.5	52.2	34.8	37.2	19.9	22.3	14.9	12.4	12.4	10.0
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: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0	524.0
2.5°	548.8	546.3	543.8	538.8	538.8	534.0	531.4	529.0	516.5	489.2	466.9
5°	576.1	571.2	566.2	558.7	553.7	546.3	541.4	534.0	506.5	454.5	409.7
7.5°	615.9	605.9	598.5	583.6	576.1	566.2	558.7	546.3	501.6	422.1	360.1
10°	663.1	645.7	633.2	615.9	600.9	588.6	576.1	558.7	496.6	387.4	315.3
12.5°	720.2	700.3	675.4	655.5	635.8	618.3	600.9	578.6	489.2	357.5	280.6
15°	777.2	747.5	730.0	702.7	675.4	650.5	625.8	605.9	491.8	325.3	250.8
17.5°	841.8	812.1	774.8	744.9	715.2	683.0	653.1	613.3	479.2	300.5	228.5
20°	903.9	861.7	827.0	789.7	747.5	707.7	670.5	635.8	469.3	275.7	208.6
22.5°	971.0	921.2	876.6	829.4	777.2	732.6	687.8	643.2	451.9	253.3	191.2
25°	1052.9	995.7	931.2	874.2	819.4	764.9	707.7	653.1	434.6	233.4	178.8
27.5°	1152.3	1077.8	1013.2	941.1	864.2	794.7	732.6	673.0	417.3	218.5	166.3
30°	1278.9	1191.9	1100.1	1008.2	926.2	846.7	759.9	685.4	399.8	203.6	154.0
32.5°	1447.8	1338.5	1226.7	1120.0	1010.7	908.9	817.0	720.2	389.8	191.2	141.6
35°	1671.3	1529.7	1393.1	1259.0	1127.4	1003.3	884.0	774.8	389.8	176.3	126.7
37.5°	1882.3	1718.5	1544.6	1378.1	1221.8	1077.8	936.2	804.5	370.1	163.9	114.3
40°	2110.7	1914.5	1711.0	1514.8	1326.1	1147.3	985.9	834.4	352.6	149.0	101.8
42.5°	2460.9	2212.7	1947.0	1718.5	1492.5	1271.4	1070.2	891.5	330.2	134.1	89.4
45°	2920.4	2604.9	2292.1	2013.9	1725.9	1455.2	1216.8	995.7	325.3	121.7	76.9
47.5°	3412.0	3039.5	2672.0	2316.9	1979.2	1663.8	1378.1	1112.4	325.3	109.3	67.1
50°	3901.2	3434.4	3042.1	2629.8	2249.9	1877.3	1537.1	1234.1	327.8	99.4	54.6
52.5°	4343.3	3844.2	3404.6	2927.8	2508.1	2076.0	1706.0	1353.4	322.9	86.9	44.6
55°	4956.6	4370.6	3861.5	3335.1	2843.3	2356.7	1937.0	1532.1	325.3	76.9	37.2
57.5°	6086.5	5398.6	4785.3	4094.9	3528.7	2900.5	2391.4	1899.8	355.1	64.5	27.3
60°	7708.1	6814.1	5952.5	5110.6	4390.5	3643.0	2982.3	2403.9	417.3	52.2	19.9
62.5°	8798.2	7628.6	6600.6	5671.8	4834.9	4052.7	3332.5	2674.4	459.3	42.2	12.4
63°	8909.9	7700.7	6667.6	5709.1	4854.8	4072.6	3347.4	2694.3	461.9	39.7	12.4
65°	9121.1	7824.8	6704.8	5716.5	4834.9	4045.3	3337.5	2691.9	466.9	32.3	10.0
67.5°	8880.2	7633.6	6488.9	5502.9	4661.0	3883.8	3213.4	2592.5	464.3	22.3	7.4
70°	7941.5	6908.5	5902.7	4983.9	4219.0	3516.3	2925.3	2364.1	427.1	14.9	5.0
72.5°	5830.8	5127.9	4348.3	3685.2	3178.5	2639.7	2252.3	1775.5	330.2	10.0	2.4
75°	1728.3	1574.3	1323.6	1167.2	1030.6	851.7	757.5	591.0	168.9	5.0	0.0
77.5°	345.2	312.9	280.6	255.8	240.8	206.1	196.2	161.4	69.5	2.4	0.0
80°	181.3	149.0	126.7	111.7	96.8	79.5	67.1	54.6	12.4	0.0	0.0
82.5°	173.9	116.7	84.4	69.5	59.6	47.2	37.2	27.3	7.4	0.0	0.0
85°	64.5	49.6	37.2	29.9	24.9	22.3	17.3	14.9	0.0	0.0	0.0
87.5°	10.0	7.4	7.4	5.0	5.0	2.4	2.4	2.4	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: P165101

CATALOG NUMBER: VST-F10-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	524.0	524.0	524.0	524.0	524.0	524.0	524.0
2.5°	444.6	424.6	414.7	402.3	402.3	399.8	404.7
5°	370.1	342.8	322.9	307.9	310.3	303.0	305.5
7.5°	312.9	285.6	268.1	258.3	255.8	253.3	253.3
10°	270.7	245.8	230.9	223.5	221.1	221.1	221.1
12.5°	240.8	216.1	203.6	198.6	198.6	196.2	196.2
15°	216.1	196.2	183.8	178.8	178.8	176.3	178.8
17.5°	196.2	176.3	166.3	161.4	161.4	158.9	158.9
20°	178.8	161.4	151.6	144.0	144.0	141.6	144.0
22.5°	163.9	146.6	134.1	129.1	126.7	124.1	126.7
25°	149.0	131.6	119.1	111.7	109.3	109.3	106.8
27.5°	136.6	119.1	104.4	96.8	94.4	94.4	91.8
30°	124.1	104.4	89.4	81.9	79.5	79.5	79.5
32.5°	111.7	89.4	76.9	69.5	67.1	67.1	67.1
35°	99.4	76.9	64.5	57.2	54.6	54.6	54.6
37.5°	84.4	64.5	49.6	44.6	42.2	39.7	39.7
40°	72.1	49.6	37.2	32.3	27.3	27.3	27.3
42.5°	59.6	39.7	27.3	19.9	17.3	14.9	17.3
45°	49.6	29.9	17.3	10.0	7.4	7.4	7.4
47.5°	39.7	19.9	7.4	2.4	2.4	2.4	2.4
50°	29.9	12.4	2.4	0.0	0.0	2.4	2.4
52.5°	22.3	7.4	0.0	0.0	0.0	0.0	0.0
55°	12.4	2.4	0.0	0.0	0.0	0.0	0.0
57.5°	7.4	0.0	0.0	0.0	0.0	0.0	0.0
60°	5.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.4	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.4	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)