

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: P165051

Luminaire Tested: **VST-F05-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165051
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-F05-LED-E-U-SL2-HSS-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829.9 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 133.3
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

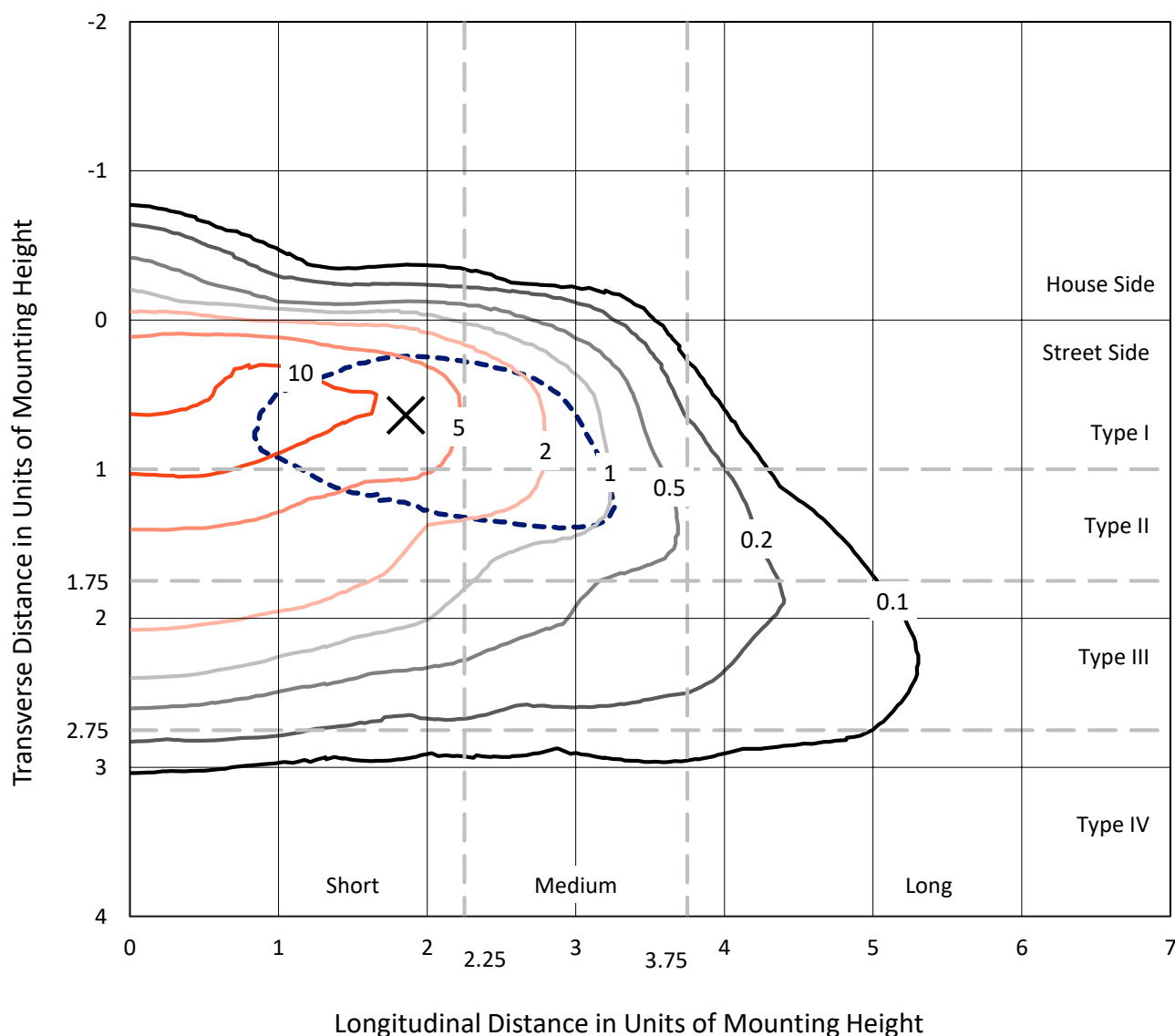


REPORT NUMBER: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

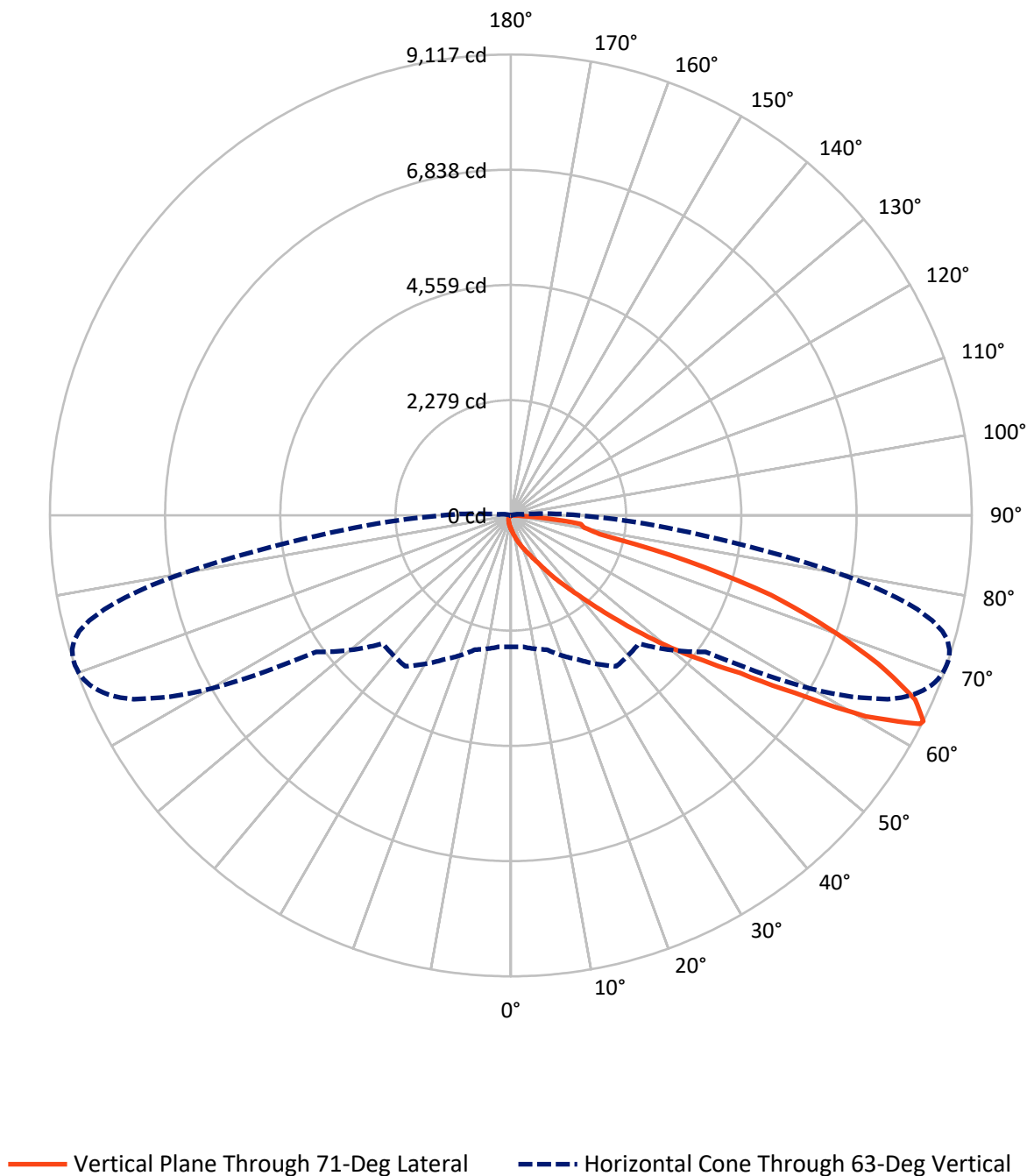


Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

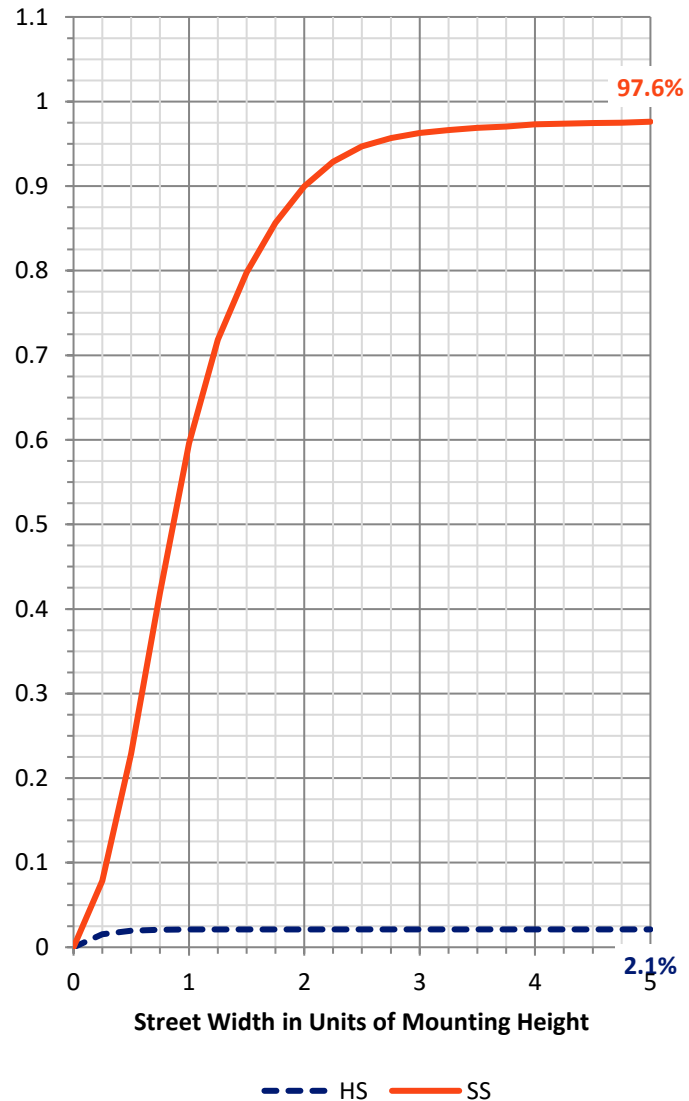
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	145.0	0.0	145.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	6684.9	0.0	6684.9
	% Fixture	97.9	0.0	97.9
Total	Lumens	6829.9	0.0	6829.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	0.4
10°-20°	112.3	1.6
20°-30°	228.1	3.3
30°-40°	557.3	8.2
40°-50°	1246.3	18.2
50°-60°	1752.5	25.7
60°-70°	2060.8	30.2
70°-80°	744.1	10.9
80°-90°	99.5	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°	6829.9	100.0
0°-180°	6829.9	100.0

Coefficient of Utilization



REPORT NUMBER: P165051

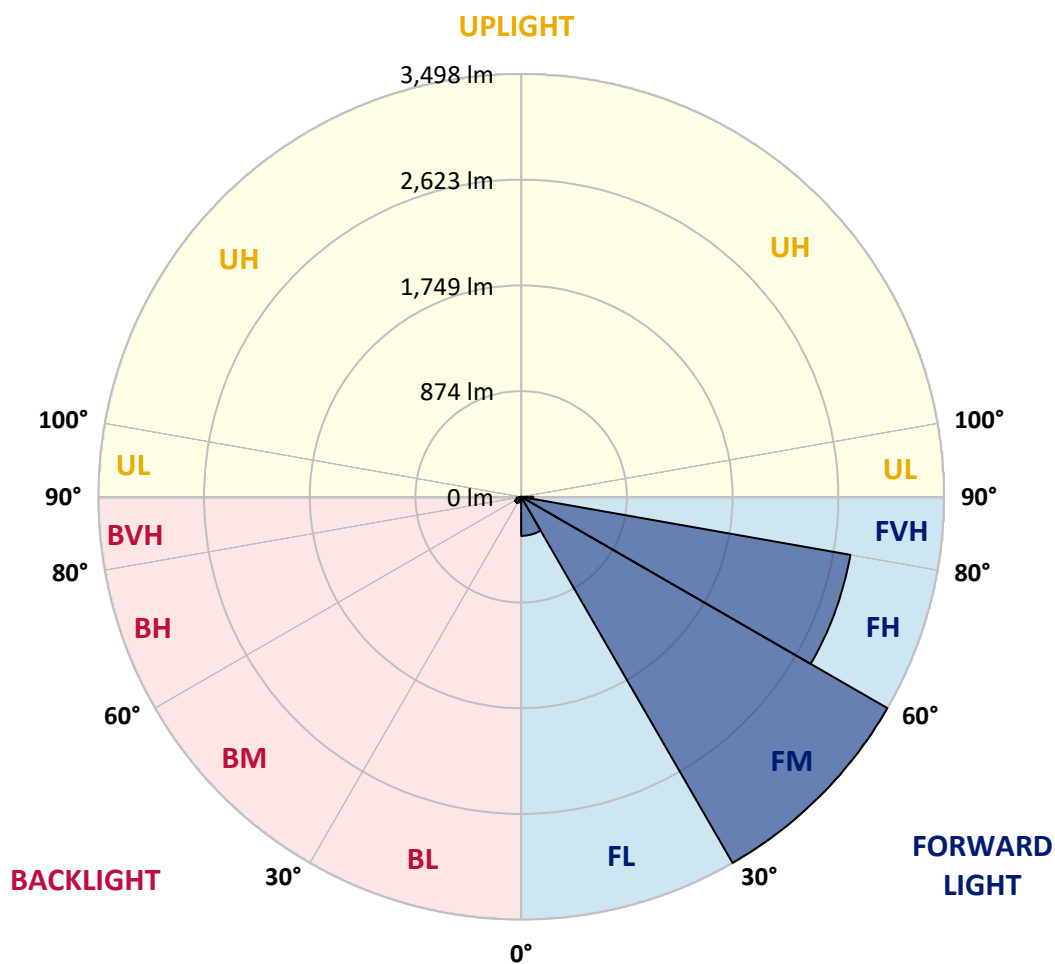
CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	322.7	4.7			
FM	(30°-60°)	3497.7	51.2			
FH	(60°-80°)	2765.2	40.5			G2/5000
FVH	(80°-90°)	99.3	1.5			G1/100
BL	(0°-30°)	46.6	0.7	B0/110		
BM	(30°-60°)	58.4	0.9	B0/220		
BH	(60°-80°)	39.8	0.6	B0/110		G0/110
BVH	(80°-90°)	0.2	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





REPORT NUMBER: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	342.7	346.4	343.9	337.7	330.2	320.4	311.6	311.6	310.4	306.6	307.9
5°	449.5	450.7	445.8	430.8	417.2	396.1	372.5	370.0	367.5	363.8	362.6
7.5°	553.8	558.7	553.8	537.6	510.3	478.0	440.8	437.1	429.6	429.6	424.6
10°	660.6	660.6	655.6	637.0	612.1	566.2	519.0	512.8	504.1	501.6	494.2
12.5°	736.3	736.3	733.8	723.9	704.0	663.1	605.9	599.7	588.6	584.8	576.1
15°	766.1	766.1	767.3	776.0	777.3	758.7	699.0	694.1	682.9	672.9	669.2
17.5°	784.7	783.5	783.5	795.9	818.2	830.7	792.1	787.2	774.8	769.8	757.4
20°	825.7	823.2	815.7	815.7	836.9	880.3	880.3	879.1	865.4	861.7	855.5
22.5°	886.5	884.1	861.7	843.0	853.0	907.7	958.6	956.1	951.1	946.1	942.4
25°	985.8	977.2	938.6	884.1	875.4	933.7	1018.1	1024.4	1028.1	1028.1	1030.6
27.5°	1136.1	1125.0	1056.6	954.9	916.3	975.9	1083.9	1096.4	1107.5	1110.0	1121.2
30°	1344.7	1324.8	1226.7	1077.8	989.6	1038.0	1180.8	1194.5	1210.6	1215.6	1232.9
32.5°	1687.4	1676.2	1581.9	1358.3	1169.6	1159.7	1316.2	1333.5	1354.6	1363.3	1384.4
35°	2208.9	2211.4	2134.4	1933.2	1672.5	1535.9	1558.3	1573.1	1580.6	1606.7	1617.8
37.5°	2562.7	2568.9	2586.3	2506.9	2320.6	2181.5	2006.5	2022.7	1984.1	1987.8	1989.1
40°	2756.4	2776.3	2878.1	2955.1	2940.2	2859.5	2719.2	2727.9	2655.9	2639.7	2561.5
42.5°	2885.5	2911.6	3074.3	3312.7	3434.4	3507.7	3475.4	3471.6	3415.7	3394.6	3328.8
45°	2966.3	2989.9	3194.7	3546.1	3826.7	4040.3	4128.4	4138.4	4091.2	4070.1	4015.5
47.5°	2962.5	2989.9	3209.6	3633.0	4046.5	4387.9	4636.3	4648.7	4677.2	4658.6	4662.3
50°	2798.7	2824.8	3045.8	3485.3	3981.9	4546.9	5001.3	5041.0	5087.0	5118.0	5133.0
52.5°	2600.0	2618.6	2814.8	3232.0	3706.3	4481.1	5217.3	5285.6	5354.0	5412.3	5453.3
55°	2526.7	2547.8	2701.8	3048.2	3485.3	4205.4	5317.9	5418.5	5515.4	5611.0	5689.2
57.5°	2565.2	2585.1	2695.6	2961.3	3353.7	3914.9	5346.5	5502.9	5661.9	5817.1	5971.0
60°	2706.8	2727.9	2822.3	3042.0	3318.9	3747.3	5234.8	5494.3	5758.7	6029.4	6283.9
62.5°	2650.9	2659.6	2798.7	3183.6	3567.2	3604.5	4828.7	5191.3	5594.9	6012.0	6423.0
63°	2597.5	2607.5	2749.0	3145.1	3643.0	3583.4	4703.3	5085.8	5511.6	5961.1	6408.1
65°	2355.4	2356.6	2464.7	2777.6	3558.5	3620.6	4144.6	4509.6	4998.8	5537.7	6102.7
67.5°	1758.2	1749.5	1853.8	2092.2	2793.7	3621.9	3557.3	3762.2	4102.4	4580.4	5087.0
70°	623.3	609.7	778.5	1108.7	1740.7	2962.5	3056.9	3070.6	3165.0	3423.2	3741.1
72.5°	202.4	206.1	248.3	406.0	802.1	1994.1	2767.6	2725.4	2700.6	2699.3	2741.5
75°	80.7	82.0	99.3	180.1	360.1	961.0	2423.7	2447.2	2456.0	2468.3	2482.1
77.5°	38.5	42.2	55.9	100.6	178.8	475.5	1734.6	1934.4	2048.7	2136.9	2190.3
80°	13.6	16.1	31.1	62.1	83.2	218.5	913.8	1102.6	1270.2	1486.3	1672.5
82.5°	0.0	0.0	6.2	43.4	45.9	88.1	375.0	439.5	502.8	651.8	836.9
85°	0.0	0.0	0.0	12.4	13.6	14.9	126.7	152.8	171.4	199.9	230.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7	7.5	18.6	28.6
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: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	305.4	304.2	304.2	301.7	300.5	298.0	296.8	293.0	291.8	291.8	291.8
5°	361.3	356.3	353.8	347.7	343.9	342.7	336.5	334.0	330.2	331.5	325.3
7.5°	423.4	414.7	411.0	402.3	399.8	391.1	388.6	382.4	378.7	371.3	368.8
10°	491.7	480.5	474.3	460.6	456.9	450.7	443.3	435.8	429.6	422.2	418.5
12.5°	569.9	560.0	555.0	536.4	527.7	519.0	509.1	499.1	489.2	483.0	474.3
15°	661.8	645.6	640.7	623.3	608.4	597.2	583.6	571.2	563.7	551.3	542.6
17.5°	752.4	736.3	732.6	706.5	690.4	682.9	668.0	651.8	638.2	625.8	612.1
20°	843.0	831.9	821.9	797.1	779.8	767.3	747.4	731.3	720.1	702.8	685.4
22.5°	933.7	922.5	915.1	889.0	872.9	855.5	838.1	820.7	804.6	783.5	763.6
25°	1026.9	1019.4	1015.6	992.1	977.2	961.0	943.6	923.8	903.9	880.3	859.3
27.5°	1123.7	1126.2	1118.7	1113.7	1097.6	1086.4	1059.1	1045.5	1030.6	1002.0	975.9
30°	1246.6	1254.0	1251.6	1255.3	1245.4	1237.9	1216.8	1199.5	1182.0	1154.7	1125.0
32.5°	1401.8	1411.8	1416.7	1430.4	1425.4	1422.9	1416.7	1391.9	1379.4	1332.3	1319.9
35°	1641.4	1636.5	1657.6	1668.7	1663.8	1661.3	1653.9	1640.2	1625.3	1591.8	1560.8
37.5°	1953.1	1958.0	1965.5	1943.2	1928.3	1927.1	1904.7	1891.0	1869.9	1832.7	1795.4
40°	2524.2	2493.2	2458.5	2364.1	2323.1	2299.5	2233.7	2215.1	2179.0	2128.1	2089.7
42.5°	3266.8	3235.7	3131.4	2973.8	2889.3	2772.6	2719.2	2653.4	2602.5	2519.3	2474.6
45°	4004.3	3914.9	3902.4	3718.7	3614.4	3460.5	3364.8	3254.3	3138.9	3029.6	2950.2
47.5°	4626.4	4606.4	4545.7	4433.9	4337.0	4207.9	4085.0	3914.9	3795.7	3640.5	3497.7
50°	5124.2	5123.0	5100.6	5036.1	4955.4	4851.1	4743.1	4599.1	4463.7	4273.7	4121.0
52.5°	5496.8	5516.6	5524.1	5504.2	5473.2	5381.3	5326.7	5206.2	5091.9	4930.5	4765.4
55°	5769.9	5843.1	5880.4	5922.6	5913.9	5881.7	5879.2	5800.9	5748.8	5620.9	5504.2
57.5°	6107.6	6228.1	6343.5	6548.4	6555.8	6627.9	6665.2	6702.4	6712.3	6661.4	6622.9
60°	6537.2	6783.1	7001.6	7430.0	7541.7	7718.0	7832.3	7956.4	8061.9	8070.7	8068.2
62.5°	6840.2	7218.9	7571.5	8207.2	8424.5	8628.2	8780.9	8901.3	8974.6	9049.1	9083.8
63°	6848.9	7263.6	7638.6	8294.2	8522.6	8716.3	8861.6	8973.4	9050.3	9095.0	9117.4
65°	6639.1	7141.9	7588.9	8242.0	8456.8	8651.8	8727.5	8800.8	8838.0	8855.4	8789.5
67.5°	5627.1	6118.8	6640.3	7370.4	7554.1	7787.5	7849.7	7886.9	7904.3	7900.6	7844.7
70°	4207.9	4620.2	5200.0	6034.4	6277.7	6506.2	6647.7	6708.6	6728.4	6722.2	6639.1
72.5°	2937.7	3179.8	3657.8	4586.6	4918.1	5211.2	5386.2	5476.9	5495.5	5458.2	5381.3
75°	2467.1	2479.6	2587.6	3095.4	3405.8	3718.7	3916.1	3973.2	3936.0	3823.0	3626.9
77.5°	2202.6	2230.0	2230.0	2305.7	2366.6	2453.5	2472.1	2333.0	2171.7	1963.0	1794.2
80°	1847.6	1943.2	2010.2	2066.1	2072.3	2054.9	2008.9	1930.8	1806.6	1647.6	1471.3
82.5°	1122.5	1311.2	1388.2	1676.2	1817.7	1913.3	1905.9	1801.6	1707.3	1542.1	1391.9
85°	283.1	305.4	331.5	430.8	483.0	589.8	656.8	687.9	699.0	642.0	581.1
87.5°	27.3	18.6	31.1	23.6	33.6	24.8	33.6	31.1	38.5	40.9	44.7
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: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	289.3	288.0	286.8	285.6	284.3	283.1	280.6	280.6	278.1	276.9	275.7
5°	321.6	319.1	317.9	315.4	311.6	309.1	305.4	300.5	296.8	295.5	293.0
7.5°	362.6	356.3	353.8	350.2	345.2	337.7	332.7	329.0	322.9	319.1	311.6
10°	408.5	402.3	394.9	387.4	379.9	371.3	365.0	360.1	350.2	345.2	336.5
12.5°	466.9	455.7	447.0	437.1	427.1	417.2	409.7	394.9	386.1	375.0	367.5
15°	526.4	516.5	506.6	494.2	479.2	463.1	455.7	442.0	430.8	413.5	403.5
17.5°	598.4	579.8	565.0	550.0	536.4	521.5	506.6	485.5	469.4	454.4	434.6
20°	669.2	646.9	630.7	610.9	591.1	567.5	550.0	535.1	512.8	493.0	471.8
22.5°	744.9	722.6	696.5	676.7	649.4	630.7	607.2	582.3	560.0	533.9	507.8
25°	836.9	813.3	783.5	757.4	726.3	700.3	671.7	643.2	615.9	586.1	552.5
27.5°	949.9	925.0	892.7	861.7	820.7	788.5	761.2	722.6	687.9	650.6	612.1
30°	1092.6	1065.3	1025.6	980.9	939.9	903.9	865.4	814.5	776.0	731.3	681.7
32.5°	1278.9	1246.6	1193.2	1151.0	1100.1	1052.9	999.5	948.6	894.0	835.7	778.5
35°	1513.6	1483.8	1421.7	1359.6	1303.7	1247.9	1180.8	1122.5	1045.5	974.7	901.4
37.5°	1757.0	1703.5	1646.4	1579.4	1509.8	1442.8	1360.8	1280.1	1192.0	1115.0	1023.1
40°	2035.0	1970.5	1923.3	1851.3	1753.2	1657.6	1581.9	1481.3	1370.8	1267.7	1159.7
42.5°	2416.2	2344.2	2259.8	2150.5	2079.7	1968.0	1869.9	1750.7	1605.4	1490.0	1359.6
45°	2857.0	2758.9	2677.0	2571.4	2485.8	2346.7	2232.5	2073.6	1928.3	1776.8	1617.8
47.5°	3359.9	3238.2	3119.0	3014.7	2878.1	2741.5	2596.3	2427.4	2241.2	2074.8	1886.0
50°	3937.2	3764.6	3599.5	3465.4	3277.9	3120.3	2962.5	2772.6	2566.4	2375.2	2160.4
52.5°	4579.2	4379.3	4160.8	3954.6	3737.3	3534.9	3344.9	3126.4	2896.8	2663.3	2423.7
55°	5354.0	5203.7	4946.7	4684.7	4394.1	4123.5	3878.8	3608.2	3328.8	3022.2	2770.1
57.5°	6567.1	6493.8	6279.0	6017.0	5638.3	5309.2	4894.5	4563.0	4158.3	3736.1	3410.8
60°	8211.0	8120.3	7999.9	7787.5	7487.1	7040.1	6583.2	6067.9	5452.1	4867.3	4312.2
62.5°	9087.6	9055.2	8957.2	8810.6	8530.1	8177.4	7716.8	7150.6	6455.3	5745.1	5037.4
63°	9113.6	9072.7	8988.2	8839.2	8592.1	8250.7	7798.7	7248.7	6568.3	5844.4	5121.7
65°	8761.0	8744.9	8659.2	8496.5	8327.7	8066.9	7716.8	7243.7	6672.5	5988.4	5269.5
67.5°	7770.2	7721.7	7590.2	7540.5	7422.5	7241.2	6974.3	6648.9	6240.5	5702.8	5082.0
70°	6572.0	6500.0	6334.8	6246.7	6102.7	5988.4	5825.8	5593.6	5341.5	4966.6	4503.5
72.5°	5301.8	5152.8	5001.3	4771.6	4570.5	4366.8	4186.8	4022.9	3746.0	3594.5	3243.2
75°	3443.0	3172.4	2912.9	2565.2	2252.3	1975.5	1706.0	1569.4	1285.1	1169.6	1004.5
77.5°	1634.0	1482.5	1278.9	1121.2	920.0	751.2	613.4	460.6	361.3	283.1	216.0
80°	1318.6	1190.7	1067.8	925.0	773.5	617.1	473.1	353.8	250.8	173.8	122.9
82.5°	1175.9	1036.7	885.3	787.2	684.2	560.0	459.4	375.0	276.9	202.4	137.8
85°	456.9	384.9	296.8	242.1	188.7	155.2	140.3	96.8	75.8	59.6	45.9
87.5°	39.7	32.3	26.1	17.4	18.6	10.0	11.2	7.5	6.2	6.2	5.0
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: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	274.4	273.2	271.9	269.4	269.4	267.0	265.7	264.5	258.2	244.6	233.4
5°	288.0	285.6	283.1	279.4	276.9	273.2	270.7	267.0	253.3	227.3	204.9
7.5°	307.9	303.0	299.3	291.8	288.0	283.1	279.4	273.2	250.8	211.0	180.1
10°	331.5	322.9	316.6	307.9	300.5	294.3	288.0	279.4	248.3	193.7	157.7
12.5°	360.1	350.2	337.7	327.8	317.9	309.1	300.5	289.3	244.6	178.8	140.3
15°	388.6	373.8	365.0	351.4	337.7	325.3	312.9	303.0	245.9	162.6	125.4
17.5°	420.9	406.0	387.4	372.5	357.6	341.5	326.6	306.6	239.6	150.3	114.2
20°	451.9	430.8	413.5	394.9	373.8	353.8	335.2	317.9	234.6	137.8	104.3
22.5°	485.5	460.6	438.3	414.7	388.6	366.3	343.9	321.6	226.0	126.7	95.6
25°	526.4	497.9	465.6	437.1	409.7	382.4	353.8	326.6	217.3	116.7	89.4
27.5°	576.1	538.9	506.6	470.6	432.1	397.4	366.3	336.5	208.6	109.3	83.2
30°	639.5	596.0	550.0	504.1	463.1	423.4	379.9	342.7	199.9	101.8	77.0
32.5°	723.9	669.2	613.4	560.0	505.3	454.4	408.5	360.1	194.9	95.6	70.8
35°	835.7	764.9	696.5	629.5	563.7	501.6	442.0	387.4	194.9	88.1	63.3
37.5°	941.1	859.3	772.3	689.1	610.9	538.9	468.1	402.3	185.0	82.0	57.2
40°	1055.4	957.3	855.5	757.4	663.1	573.6	493.0	417.2	176.3	74.5	50.9
42.5°	1230.4	1106.3	973.5	859.3	746.2	635.7	535.1	445.8	165.1	67.0	44.7
45°	1460.2	1302.4	1146.1	1007.0	862.9	727.6	608.4	497.9	162.6	60.8	38.5
47.5°	1706.0	1519.7	1336.0	1158.4	989.6	831.9	689.1	556.2	162.6	54.7	33.6
50°	1950.6	1717.2	1521.0	1314.9	1125.0	938.6	768.5	617.1	163.9	49.7	27.3
52.5°	2171.7	1922.1	1702.3	1463.9	1254.0	1038.0	853.0	676.7	161.4	43.4	22.3
55°	2478.3	2185.3	1930.8	1667.5	1421.7	1178.3	968.5	766.1	162.6	38.5	18.6
57.5°	3043.3	2699.3	2392.6	2047.5	1764.3	1450.2	1195.7	949.9	177.6	32.3	13.6
60°	3854.0	3407.1	2976.2	2555.3	2195.3	1821.5	1491.2	1201.9	208.6	26.1	10.0
62.5°	4399.1	3814.3	3300.3	2835.9	2417.5	2026.4	1666.3	1337.2	229.7	21.1	6.2
63°	4455.0	3850.3	3333.8	2854.5	2427.4	2036.3	1673.7	1347.2	230.9	19.8	6.2
65°	4560.5	3912.4	3352.4	2858.2	2417.5	2022.7	1668.7	1346.0	233.4	16.1	5.0
67.5°	4440.1	3816.8	3244.4	2751.5	2330.5	1941.9	1606.7	1296.3	232.2	11.2	3.7
70°	3970.8	3454.3	2951.4	2491.9	2109.5	1758.2	1462.7	1182.0	213.5	7.5	2.5
72.5°	2915.4	2564.0	2174.1	1842.6	1589.3	1319.9	1126.2	887.8	165.1	5.0	1.2
75°	864.2	787.2	661.8	583.6	515.3	425.9	378.7	295.5	84.4	2.5	0.0
77.5°	172.6	156.5	140.3	127.9	120.4	103.1	98.1	80.7	34.8	1.2	0.0
80°	90.6	74.5	63.3	55.9	48.4	39.7	33.6	27.3	6.2	0.0	0.0
82.5°	86.9	58.4	42.2	34.8	29.8	23.6	18.6	13.6	3.7	0.0	0.0
85°	32.3	24.8	18.6	14.9	12.4	11.2	8.7	7.5	0.0	0.0	0.0
87.5°	5.0	3.7	3.7	2.5	2.5	1.2	1.2	1.2	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: P165051

CATALOG NUMBER: VST-F05-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	222.3	212.3	207.3	201.2	201.2	199.9	202.4
5°	185.0	171.4	161.4	154.0	155.2	151.5	152.8
7.5°	156.5	142.8	134.1	129.2	127.9	126.7	126.7
10°	135.3	122.9	115.4	111.7	110.5	110.5	110.5
12.5°	120.4	108.0	101.8	99.3	99.3	98.1	98.1
15°	108.0	98.1	91.9	89.4	89.4	88.1	89.4
17.5°	98.1	88.1	83.2	80.7	80.7	79.5	79.5
20°	89.4	80.7	75.8	72.0	72.0	70.8	72.0
22.5°	82.0	73.3	67.0	64.5	63.3	62.1	63.3
25°	74.5	65.8	59.6	55.9	54.7	54.7	53.4
27.5°	68.3	59.6	52.2	48.4	47.2	47.2	45.9
30°	62.1	52.2	44.7	40.9	39.7	39.7	39.7
32.5°	55.9	44.7	38.5	34.8	33.6	33.6	33.6
35°	49.7	38.5	32.3	28.6	27.3	27.3	27.3
37.5°	42.2	32.3	24.8	22.3	21.1	19.8	19.8
40°	36.0	24.8	18.6	16.1	13.6	13.6	13.6
42.5°	29.8	19.8	13.6	10.0	8.7	7.5	8.7
45°	24.8	14.9	8.7	5.0	3.7	3.7	3.7
47.5°	19.8	10.0	3.7	1.2	1.2	1.2	1.2
50°	14.9	6.2	1.2	0.0	0.0	1.2	1.2
52.5°	11.2	3.7	0.0	0.0	0.0	0.0	0.0
55°	6.2	1.2	0.0	0.0	0.0	0.0	0.0
57.5°	3.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	2.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.2	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)