

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: P159306

Luminaire Tested: **VST-F02-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159306
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-F02-LED-E-U-T2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5229.4 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

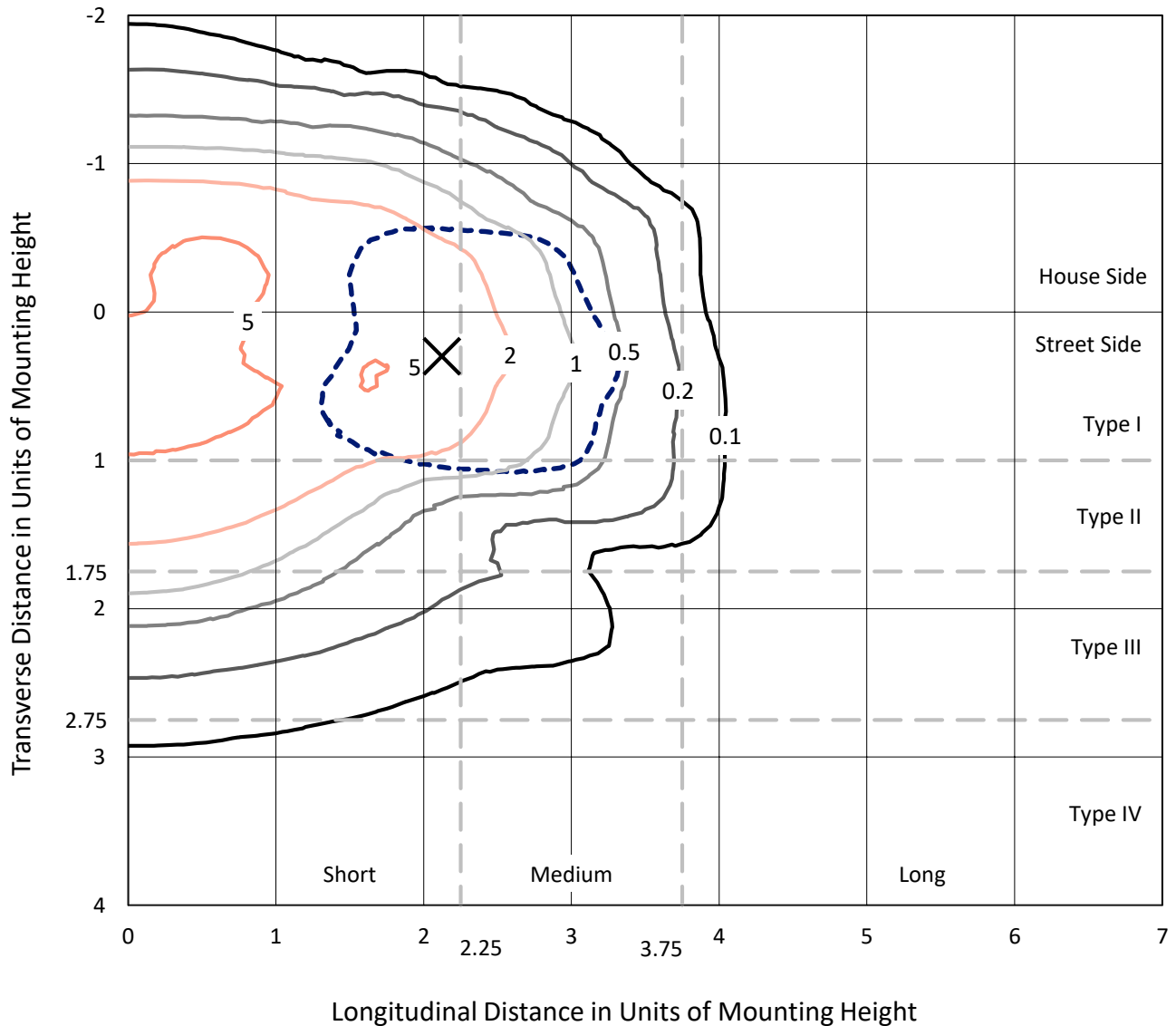
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P159306
 CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

Iso-Footcandle Lines of Horizontal Illumination

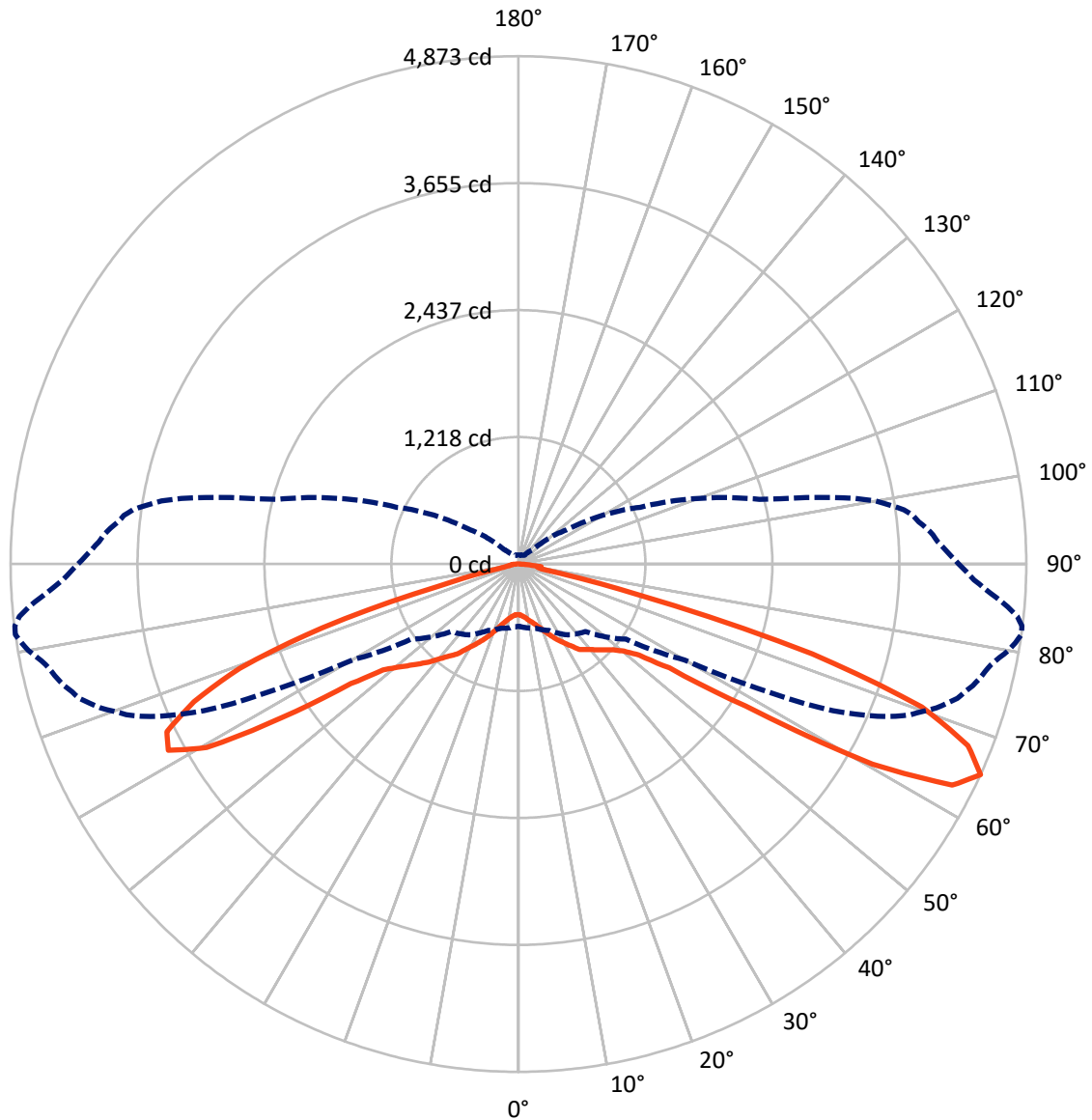
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159306
CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

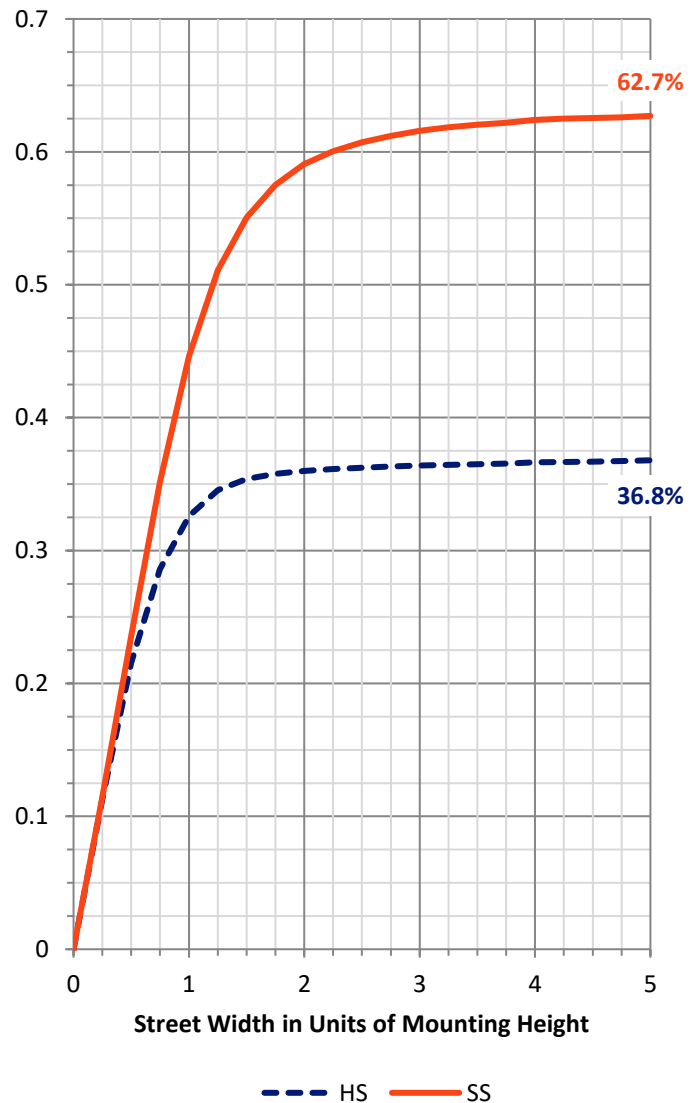
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1947.1	0.0	1947.1
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	3282.3	0.0	3282.3
	% Fixture	62.8	0.0	62.8
Total	Lumens	5229.4	0.0	5229.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	0.9
10°-20°	173.1	3.3
20°-30°	342.9	6.6
30°-40°	587.9	11.2
40°-50°	883.2	16.9
50°-60°	1227.0	23.5
60°-70°	1399.8	26.8
70°-80°	482.2	9.2
80°-90°	84.0	1.6
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°	5229.4	100.0
0°-180°	5229.4	100.0

Coefficient of Utilization



REPORT NUMBER: P159306

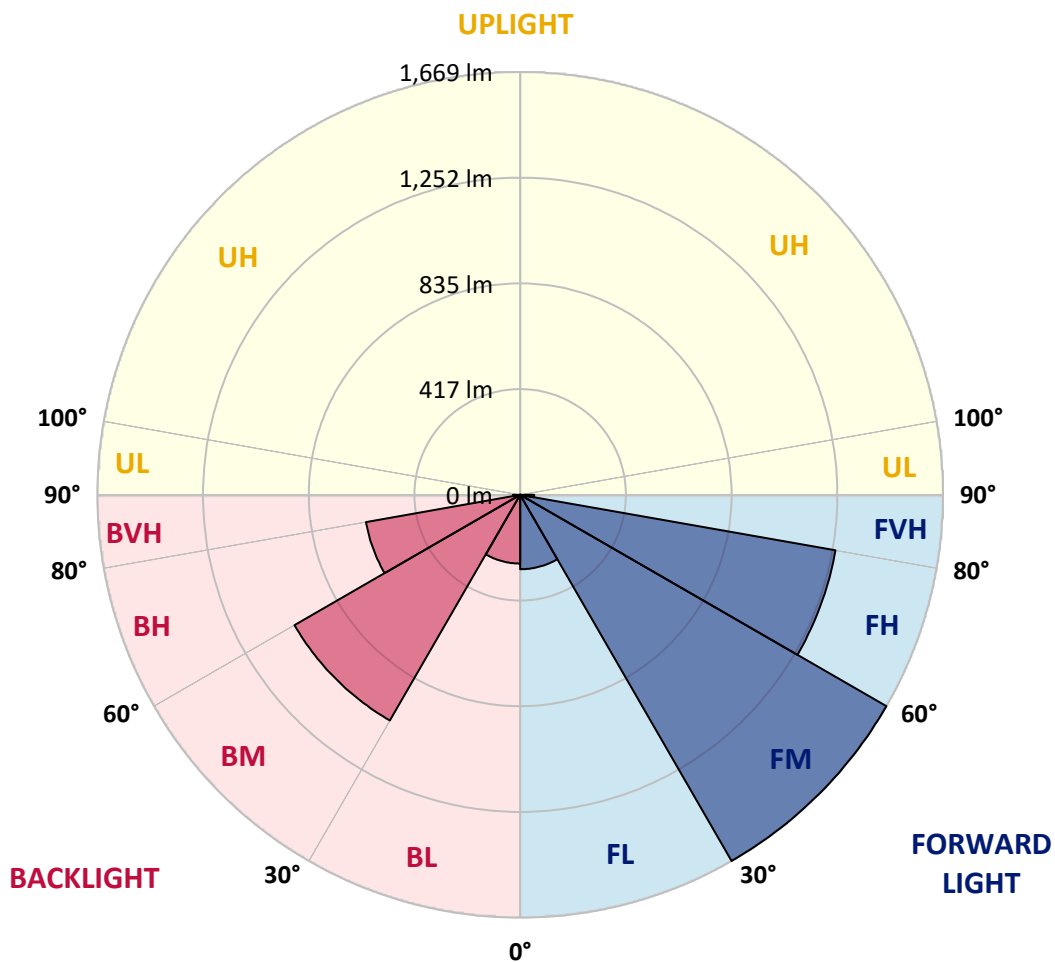
CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.8	5.6			
FM	(30°-60°)	1669.3	31.9			
FH	(60°-80°)	1263.9	24.2			G1/1800
FVH	(80°-90°)	55.3	1.1			G1/100
BL	(0°-30°)	271.5	5.2	B1/500		
BM	(30°-60°)	1028.7	19.7	B2/2500		
BH	(60°-80°)	618.1	11.8	B2/1000		G2/1000
BVH	(80°-90°)	28.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	513.0	513.3	513.0	512.0	511.6	508.6	505.2	503.5	503.2	501.8	502.1
5°	544.9	543.8	542.5	540.8	539.1	534.0	528.2	525.2	524.2	523.1	521.8
7.5°	573.3	574.0	573.3	570.9	566.5	560.1	552.7	547.9	547.6	546.5	545.5
10°	609.9	611.6	607.5	603.5	597.4	587.5	579.1	572.9	571.9	570.6	569.9
12.5°	649.6	649.9	648.5	639.4	629.2	615.7	603.5	597.4	596.0	594.3	593.6
15°	691.9	692.2	684.8	676.0	660.4	644.1	627.2	620.4	618.7	619.0	616.3
17.5°	725.5	726.1	719.0	707.8	689.2	669.8	651.6	646.1	645.1	645.5	644.1
20°	740.0	741.0	736.6	728.2	710.5	693.6	680.4	677.0	676.6	676.0	678.7
22.5°	739.3	739.7	738.0	734.6	724.1	714.2	712.6	714.6	714.2	715.0	717.3
25°	733.2	734.2	733.9	735.2	733.6	737.3	745.1	752.2	753.2	754.6	759.0
27.5°	748.8	750.8	748.5	749.8	752.5	765.1	781.0	791.8	793.9	797.6	801.4
30°	809.8	807.1	804.1	800.6	802.4	810.1	828.1	837.6	838.6	841.3	846.4
32.5°	900.3	897.2	894.5	889.1	887.8	884.3	890.5	892.8	892.5	895.2	896.5
35°	1002.2	1002.6	1001.9	1006.0	1009.4	992.1	970.7	965.0	967.4	964.3	965.0
37.5°	1089.4	1090.4	1108.3	1130.7	1137.1	1126.3	1079.5	1056.5	1048.7	1047.7	1039.9
40°	1185.9	1185.9	1213.0	1240.4	1258.4	1271.9	1216.4	1175.8	1159.1	1154.4	1135.1
42.5°	1292.0	1286.5	1311.3	1341.4	1374.7	1405.4	1376.6	1330.9	1307.2	1298.8	1264.9
45°	1379.0	1375.7	1387.9	1416.0	1469.8	1530.2	1534.2	1510.9	1496.6	1479.0	1447.8
47.5°	1432.6	1430.9	1438.0	1468.5	1535.9	1633.5	1688.0	1699.9	1691.5	1677.9	1647.7
50°	1453.6	1451.2	1456.3	1490.2	1565.8	1694.5	1815.1	1871.0	1875.1	1878.1	1868.6
52.5°	1446.1	1443.1	1453.6	1482.1	1560.7	1715.8	1914.4	2021.8	2039.8	2055.0	2086.2
55°	1374.7	1369.9	1398.4	1451.9	1538.6	1708.0	1986.9	2166.8	2204.8	2245.4	2314.6
57.5°	1265.2	1261.1	1302.1	1375.7	1499.6	1686.7	2035.7	2350.1	2435.5	2508.7	2704.9
60°	1159.8	1156.4	1180.5	1251.7	1373.3	1582.7	1975.4	2411.8	2555.1	2713.0	3071.2
62.5°	971.4	962.3	994.4	1054.4	1131.4	1309.3	1712.1	2274.5	2495.5	2727.6	3213.1
65°	597.0	610.3	638.0	704.4	830.5	915.2	1257.4	1840.2	2131.6	2422.6	3052.5
67.5°	379.1	382.9	403.6	449.6	547.2	632.3	762.0	1154.8	1379.4	1665.7	2396.5
70°	325.0	327.3	344.9	393.1	460.5	565.1	576.7	603.1	683.8	866.0	1408.9
72.5°	256.1	260.2	274.1	315.8	397.1	509.6	711.9	476.8	460.5	475.7	687.5
75°	152.5	157.2	168.7	191.5	255.1	389.6	745.7	554.6	517.1	487.6	474.4
77.5°	80.6	77.3	85.0	98.3	131.1	207.7	560.4	679.7	653.3	618.0	543.1
80°	40.0	41.3	43.7	46.4	58.6	84.4	280.2	703.1	779.3	813.2	746.8
82.5°	15.9	17.9	25.4	27.1	32.2	35.9	90.1	389.6	558.1	757.0	988.4
85°	8.2	7.8	13.6	16.3	19.0	16.9	31.9	145.4	261.6	407.6	660.4
87.5°	1.0	1.4	3.1	4.1	5.8	5.4	9.1	31.5	50.2	71.2	100.0
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: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	500.5	500.1	500.1	498.8	498.8	499.1	498.1	497.4	497.4	497.8	496.4
5°	520.8	519.8	519.8	518.4	516.7	516.7	515.3	515.0	514.3	513.0	512.0
7.5°	544.5	543.5	541.8	540.8	540.1	539.1	537.4	536.7	535.4	534.0	532.6
10°	568.9	567.5	566.9	565.1	564.5	562.4	561.4	561.8	559.1	558.1	558.4
12.5°	593.3	592.0	589.6	588.9	588.5	586.5	585.5	584.8	582.8	582.4	581.5
15°	615.0	615.7	614.6	613.0	611.6	611.2	610.3	609.5	608.2	606.8	605.5
17.5°	643.1	644.1	642.8	640.4	640.4	640.1	640.4	640.1	637.7	638.7	638.0
20°	679.0	679.7	676.3	677.3	678.0	677.6	678.7	679.7	679.0	679.0	680.0
22.5°	720.4	721.4	719.3	720.7	722.7	721.0	724.1	723.7	724.4	725.5	725.8
25°	762.7	764.8	763.0	766.8	765.4	766.8	770.5	769.5	771.2	773.9	774.9
27.5°	805.1	806.4	806.8	809.1	811.5	813.5	818.3	818.3	819.7	824.4	824.4
30°	849.4	850.8	852.2	855.5	856.9	860.6	865.4	866.7	866.0	872.8	874.9
32.5°	900.6	902.0	904.3	908.4	910.1	913.8	913.8	917.6	920.3	926.0	926.3
35°	968.7	969.7	968.7	968.4	970.7	975.8	976.1	981.6	983.9	989.7	991.4
37.5°	1036.8	1036.5	1032.1	1027.3	1027.7	1025.6	1024.3	1026.7	1027.7	1028.0	1031.8
40°	1128.7	1119.8	1113.1	1101.2	1095.8	1087.3	1082.2	1081.9	1076.5	1075.8	1076.8
42.5°	1248.9	1238.8	1222.9	1202.8	1187.6	1172.0	1160.5	1153.7	1141.9	1135.7	1130.7
45°	1417.0	1391.9	1372.9	1349.2	1319.8	1292.6	1264.2	1251.3	1228.6	1214.7	1199.1
47.5°	1622.3	1597.6	1568.5	1544.0	1505.4	1467.8	1428.8	1394.6	1355.0	1323.5	1297.7
50°	1845.2	1830.7	1809.7	1787.0	1737.2	1712.5	1663.3	1616.9	1574.2	1517.9	1468.8
52.5°	2074.0	2082.5	2077.7	2069.6	2038.1	2028.6	1986.2	1929.7	1886.6	1848.0	1762.6
55°	2355.9	2366.0	2386.4	2398.3	2394.5	2418.6	2408.0	2364.0	2346.7	2328.8	2268.1
57.5°	2787.2	2859.7	2937.3	3005.4	3021.4	3106.7	3088.4	3132.5	3163.7	3141.3	3121.6
60°	3247.0	3393.4	3525.2	3663.1	3775.3	3859.3	3970.4	4045.3	4092.4	4177.1	4183.9
62.5°	3432.4	3631.3	3798.6	3958.6	4091.7	4208.3	4308.5	4411.9	4496.6	4573.2	4628.4
65°	3330.7	3538.4	3741.4	3903.7	4031.8	4132.0	4241.2	4323.1	4406.5	4455.6	4513.6
67.5°	2768.9	3044.0	3293.8	3476.8	3651.9	3753.9	3883.0	3963.7	4052.1	4103.9	4141.2
70°	1805.3	2163.4	2504.6	2782.1	3018.7	3137.6	3293.5	3403.6	3509.9	3512.6	3574.7
72.5°	974.2	1273.7	1559.3	1842.9	2112.6	2270.8	2424.7	2558.5	2664.2	2619.2	2680.8
75°	542.5	682.7	838.9	1009.4	1173.7	1264.2	1379.0	1379.7	1434.2	1348.6	1370.2
77.5°	521.8	515.3	517.7	522.5	530.6	513.3	513.0	502.5	486.2	456.7	461.8
80°	685.4	603.5	544.5	452.0	363.9	296.8	278.2	282.6	295.8	322.2	355.8
82.5°	991.1	922.0	823.0	677.3	531.6	410.0	336.8	298.9	297.2	323.6	374.4
85°	721.7	763.4	757.0	631.9	521.1	423.2	308.0	260.2	215.5	205.0	223.0
87.5°	106.4	88.1	99.3	83.0	60.3	46.7	41.0	32.9	31.5	32.2	35.2
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: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	496.7	495.4	494.0	495.1	494.0	493.7	492.7	492.0	491.6	491.6	491.6
5°	512.0	510.3	509.3	508.9	507.9	506.9	506.6	504.8	504.5	504.5	503.5
7.5°	532.6	531.3	529.6	528.6	527.9	526.2	524.5	524.2	523.9	522.5	521.5
10°	556.7	554.6	552.7	552.7	551.3	550.9	549.2	546.9	546.5	544.5	543.8
12.5°	579.4	578.7	576.4	575.7	574.7	573.7	572.6	571.6	570.6	568.9	569.6
15°	606.5	604.8	602.8	603.1	602.8	601.4	600.1	599.0	598.4	597.7	597.7
17.5°	639.1	638.3	638.0	636.3	635.0	636.0	636.0	636.0	634.3	634.6	635.0
20°	680.4	681.1	680.4	679.0	678.7	679.7	677.3	681.1	679.0	677.6	678.4
22.5°	726.1	728.5	725.8	726.1	727.8	728.5	726.1	729.2	728.2	726.1	727.8
25°	775.9	777.6	776.3	775.9	776.9	779.3	779.0	778.6	781.0	779.0	780.0
27.5°	827.1	828.1	828.8	829.8	830.5	830.2	831.5	831.5	832.9	830.5	831.5
30°	877.9	877.9	879.2	880.6	880.6	880.6	883.3	883.7	881.6	882.3	880.0
32.5°	932.1	932.5	933.8	933.8	936.5	936.8	939.9	935.8	939.9	936.5	937.2
35°	995.8	1000.2	1000.9	1004.3	1007.0	1008.0	1008.0	1008.4	1012.1	1009.4	1010.4
37.5°	1033.1	1034.1	1036.8	1038.5	1038.5	1039.9	1040.9	1039.9	1040.9	1040.5	1041.5
40°	1077.1	1076.1	1079.2	1079.9	1078.5	1080.2	1079.9	1078.9	1081.6	1079.5	1080.8
42.5°	1130.7	1124.9	1124.6	1127.3	1124.6	1126.0	1125.6	1123.2	1126.6	1127.6	1126.6
45°	1187.9	1184.9	1178.8	1178.8	1176.1	1175.0	1175.4	1175.0	1175.4	1179.5	1180.8
47.5°	1281.1	1262.5	1252.0	1242.2	1234.0	1233.7	1229.9	1232.0	1234.7	1241.5	1247.6
50°	1437.3	1394.3	1367.9	1343.5	1325.8	1319.8	1312.6	1312.0	1314.3	1322.1	1332.6
52.5°	1715.8	1656.2	1600.0	1547.8	1502.4	1467.5	1450.2	1441.0	1437.7	1445.5	1455.6
55°	2225.5	2113.0	2033.6	1980.8	1868.0	1820.2	1758.8	1730.8	1703.3	1706.0	1723.3
57.5°	3096.2	3035.6	2969.2	2876.6	2807.5	2724.2	2571.1	2485.7	2489.4	2509.4	2447.0
60°	4237.4	4176.1	4148.6	4064.6	4016.5	3982.9	3901.6	3760.0	3709.9	3700.4	3585.8
62.5°	4670.8	4685.3	4707.0	4730.8	4729.4	4744.0	4672.8	4626.7	4568.8	4493.6	4380.4
65°	4557.6	4594.6	4638.6	4702.3	4774.8	4828.3	4873.4	4868.0	4813.7	4713.5	4593.8
67.5°	4174.4	4211.0	4243.2	4328.6	4447.5	4556.3	4652.5	4717.9	4681.6	4598.6	4459.0
70°	3598.4	3624.8	3645.1	3719.3	3849.8	3982.6	4108.3	4218.1	4206.9	4106.3	3994.8
72.5°	2607.3	2671.3	2705.9	2700.8	2781.5	2930.2	2947.8	3041.7	3067.7	2959.3	2781.8
75°	1270.3	1271.3	1231.3	1218.1	1222.1	1247.9	1198.8	1201.9	1184.9	1108.0	1044.6
77.5°	443.9	431.6	402.5	368.0	318.5	272.1	225.0	204.7	197.9	177.9	164.0
80°	382.6	400.5	394.7	366.3	314.1	250.4	187.0	138.6	118.3	111.1	104.3
82.5°	434.4	503.5	547.6	545.2	473.7	355.8	221.9	127.4	90.8	79.6	73.2
85°	242.3	260.6	265.6	241.9	200.9	137.2	76.6	53.9	45.7	41.7	37.6
87.5°	38.6	35.2	34.6	30.2	28.4	26.1	23.0	21.7	20.0	19.0	19.0
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: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	491.3	491.0	490.0	488.9	488.3	487.9	487.6	486.9	486.5	486.2	485.5
5°	502.8	502.1	500.5	498.8	498.1	497.0	496.0	495.4	494.7	494.3	493.0
7.5°	520.8	520.1	518.1	516.7	516.4	513.7	513.3	512.3	510.6	510.3	508.3
10°	542.5	542.1	540.4	539.4	538.7	537.4	535.4	533.6	532.0	532.0	530.6
12.5°	567.5	566.2	567.2	564.8	564.2	562.8	561.8	561.4	559.4	557.7	557.4
15°	597.0	595.3	595.3	594.7	593.9	592.6	592.3	592.6	590.6	591.2	589.2
17.5°	633.6	634.3	634.0	634.0	632.3	632.3	629.5	632.9	630.5	632.3	631.6
20°	679.4	679.7	679.0	680.0	680.7	680.4	680.0	679.7	680.7	682.1	681.1
22.5°	728.2	728.2	727.8	731.5	727.4	730.5	731.5	729.5	734.9	734.2	735.2
25°	781.0	781.0	783.7	786.8	787.4	785.0	786.4	784.7	788.1	790.8	791.5
27.5°	830.2	834.5	836.6	834.5	836.2	839.9	839.6	839.6	842.0	841.3	847.7
30°	880.6	883.3	886.0	884.7	885.4	890.1	890.5	890.8	893.8	898.3	903.0
32.5°	938.2	940.9	939.6	944.0	943.6	949.4	950.4	951.4	960.9	959.2	969.1
35°	1009.0	1011.7	1010.4	1015.1	1014.5	1016.5	1020.2	1024.3	1026.0	1035.8	1043.6
37.5°	1042.3	1042.3	1045.3	1050.7	1052.8	1056.1	1061.9	1067.0	1075.4	1085.9	1098.1
40°	1082.2	1083.2	1087.3	1093.1	1096.8	1104.6	1115.1	1122.2	1135.1	1146.6	1160.8
42.5°	1130.7	1135.1	1139.8	1147.6	1155.7	1168.0	1182.8	1192.0	1208.9	1223.9	1241.5
45°	1187.3	1191.7	1202.8	1217.1	1228.9	1242.5	1254.7	1276.4	1291.6	1307.2	1322.5
47.5°	1255.7	1268.6	1277.7	1294.7	1309.3	1327.2	1342.4	1362.8	1379.4	1398.4	1411.2
50°	1343.5	1359.4	1371.2	1393.3	1407.5	1427.5	1446.8	1462.1	1479.0	1497.6	1508.2
52.5°	1469.5	1485.8	1500.7	1528.1	1545.7	1559.3	1585.0	1604.0	1619.6	1633.1	1644.7
55°	1742.6	1737.8	1779.2	1832.4	1838.5	1887.6	1896.8	1912.7	1941.5	1945.6	1977.8
57.5°	2522.9	2498.5	2558.5	2636.5	2622.9	2598.2	2701.5	2707.9	2693.3	2732.3	2688.3
60°	3602.8	3560.1	3576.4	3597.7	3566.9	3552.3	3557.4	3571.9	3557.7	3542.2	3499.4
62.5°	4323.8	4258.1	4211.0	4171.3	4121.2	4084.9	4044.3	3994.1	3980.6	3923.6	3875.9
65°	4477.6	4375.3	4300.8	4225.9	4156.7	4092.7	4031.4	3988.4	3931.4	3864.0	3814.2
67.5°	4308.5	4181.8	4072.7	3964.0	3885.7	3791.5	3745.4	3675.3	3605.2	3527.9	3482.2
70°	3817.3	3685.1	3547.9	3441.5	3335.1	3218.5	3195.8	3112.9	3072.5	2967.1	2948.8
72.5°	2634.7	2546.6	2485.3	2353.9	2289.1	2229.5	2210.5	2133.6	2141.8	2026.2	2068.2
75°	936.8	924.3	906.4	832.1	818.9	795.9	789.8	784.4	839.3	763.0	818.3
77.5°	160.9	159.9	150.8	146.4	154.9	149.4	150.8	148.1	164.0	166.4	162.7
80°	100.0	97.3	94.2	92.2	92.5	90.5	90.8	91.5	92.5	92.2	93.2
82.5°	68.5	66.1	64.7	63.4	65.4	66.1	67.7	69.5	72.2	73.9	75.9
85°	37.3	34.2	34.2	33.9	36.6	38.6	41.3	44.7	49.4	53.5	58.0
87.5°	19.0	18.3	18.7	19.3	21.7	23.4	26.8	29.8	33.9	38.3	42.4
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: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	485.2	485.2	484.9	484.9	484.5	484.2	483.8	482.8	479.1	475.7	473.3
5°	492.7	491.6	491.3	490.3	490.0	489.3	488.3	487.3	480.5	474.4	470.0
7.5°	507.9	506.6	505.9	504.8	503.8	502.5	501.1	500.1	492.0	484.9	479.5
10°	527.9	527.2	526.9	525.5	525.5	523.5	523.1	520.8	512.0	505.6	500.8
12.5°	555.7	554.3	554.0	552.3	553.0	552.3	551.6	550.3	543.8	536.3	529.9
15°	590.2	590.2	588.5	587.2	587.5	586.9	588.2	586.5	582.4	575.7	565.1
17.5°	631.9	631.3	631.9	630.9	631.6	632.3	630.5	630.9	628.9	620.4	604.8
20°	680.4	679.4	683.4	681.7	685.4	682.1	682.7	683.8	683.8	672.6	651.6
22.5°	736.0	735.2	735.2	738.7	740.0	740.3	741.7	742.7	745.4	731.2	697.7
25°	791.5	793.9	794.2	798.6	800.6	800.6	801.7	805.4	813.5	793.9	750.5
27.5°	848.1	853.9	855.2	858.2	861.3	864.4	866.7	869.5	882.7	861.3	804.7
30°	904.7	911.1	915.8	919.3	923.0	930.4	931.8	937.2	959.2	933.1	856.2
32.5°	971.1	980.2	986.3	990.7	996.5	1003.6	1007.7	1014.5	1035.8	993.1	893.8
35°	1050.4	1055.8	1064.6	1072.1	1075.4	1087.6	1094.1	1095.8	1112.0	1045.0	921.6
37.5°	1105.3	1114.4	1129.7	1140.2	1146.2	1153.0	1163.9	1171.0	1186.6	1092.1	935.5
40°	1175.0	1189.0	1201.1	1216.7	1226.6	1231.6	1242.5	1248.2	1250.3	1132.4	931.1
42.5°	1260.1	1272.7	1288.9	1301.5	1308.9	1314.7	1323.5	1325.8	1299.4	1151.3	907.4
45°	1340.1	1359.4	1373.3	1382.4	1387.9	1390.9	1396.3	1396.7	1340.1	1141.9	866.7
47.5°	1426.1	1440.0	1452.9	1459.3	1458.7	1459.3	1457.3	1456.0	1360.4	1109.0	814.6
50°	1521.4	1530.5	1535.9	1538.9	1540.7	1534.2	1525.1	1519.0	1362.1	1062.2	761.7
52.5°	1649.1	1660.6	1659.6	1659.2	1645.7	1639.6	1615.2	1602.7	1352.3	1007.3	702.1
55°	1972.7	1961.5	1939.4	1950.3	1895.1	1866.3	1828.3	1793.1	1365.1	955.1	632.9
57.5°	2705.9	2710.3	2647.6	2614.1	2520.9	2404.3	2310.5	2219.3	1481.0	923.3	542.8
60°	3471.0	3413.4	3333.8	3212.5	3092.5	2919.4	2752.3	2594.4	1596.5	890.1	436.1
62.5°	3805.1	3723.1	3602.8	3445.9	3257.5	3045.7	2837.7	2645.2	1540.7	782.7	317.2
65°	3737.3	3611.9	3479.1	3295.4	3066.4	2834.3	2591.4	2394.8	1288.9	583.8	195.5
67.5°	3382.9	3276.5	3136.2	2918.3	2673.4	2431.8	2209.2	1988.9	957.5	363.9	109.4
70°	2855.3	2751.3	2609.0	2386.0	2141.4	1910.3	1674.5	1494.9	610.3	175.5	79.0
72.5°	1980.8	1896.4	1795.8	1636.9	1422.4	1212.4	1052.8	914.8	338.2	93.2	72.2
75°	804.4	804.7	786.4	719.3	607.9	524.2	446.9	379.1	141.3	79.3	71.2
77.5°	182.3	185.3	202.6	192.1	173.2	161.9	145.0	128.1	86.0	81.7	71.8
80°	92.2	92.5	91.5	91.8	90.8	91.1	89.8	88.8	80.6	84.0	71.8
82.5°	76.9	78.6	78.2	78.2	78.6	78.6	78.6	78.2	83.7	88.4	69.5
85°	61.0	64.4	67.1	69.8	72.8	74.9	75.9	76.9	81.3	87.1	63.0
87.5°	46.1	50.2	53.5	56.2	61.0	61.0	64.4	66.7	66.7	68.1	33.2
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: P159306

CATALOG NUMBER: VST-F02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	486.5	486.5	486.5	486.5	486.5
2.5°	470.0	468.6	467.2	466.6	465.2
5°	466.6	463.9	462.2	462.2	460.8
7.5°	476.4	475.4	473.0	471.7	473.0
10°	497.4	495.7	493.0	491.0	492.0
12.5°	525.5	518.8	513.3	511.0	509.3
15°	554.6	541.1	530.3	524.2	522.5
17.5°	585.8	562.1	545.9	536.7	535.0
20°	617.7	588.2	565.1	553.3	553.0
22.5°	656.0	616.7	587.2	571.6	570.6
25°	696.3	642.1	603.1	583.1	581.1
27.5°	731.2	662.4	613.0	589.2	587.2
30°	760.3	677.6	621.1	593.6	590.9
32.5°	781.3	686.5	624.5	595.0	592.0
35°	788.1	683.1	615.0	582.8	579.4
37.5°	779.0	661.1	588.5	553.0	548.9
40°	751.5	622.4	545.5	508.9	503.8
42.5°	709.5	575.0	493.7	458.8	452.3
45°	657.7	521.5	442.2	403.2	400.1
47.5°	603.5	465.2	384.2	349.0	345.2
50°	544.9	400.1	327.7	289.4	289.4
52.5°	475.0	336.8	261.9	233.1	230.8
55°	394.7	265.3	208.7	186.7	183.7
57.5°	308.3	204.0	166.7	153.8	150.4
60°	226.7	153.2	134.2	127.1	125.7
62.5°	153.8	116.6	108.1	105.1	104.7
65°	104.0	90.8	88.4	87.4	87.8
67.5°	80.0	75.5	74.5	74.2	74.2
70°	69.5	66.7	65.8	66.1	65.8
72.5°	65.4	61.7	62.0	62.7	62.3
75°	64.0	59.3	60.7	61.0	59.6
77.5°	63.0	56.6	60.0	61.0	57.2
80°	61.0	54.2	62.3	62.7	56.2
82.5°	55.9	48.1	62.3	57.6	50.8
85°	47.5	36.6	70.5	50.2	37.6
87.5°	30.2	21.7	47.8	34.2	22.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)