

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: McGRAW-EDISON

Report Number: P158113

Luminaire Tested: **VTS-F04-LED-E1-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158113
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F04-LED-E1-SL2-8030
Description: VENTUS LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (28) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

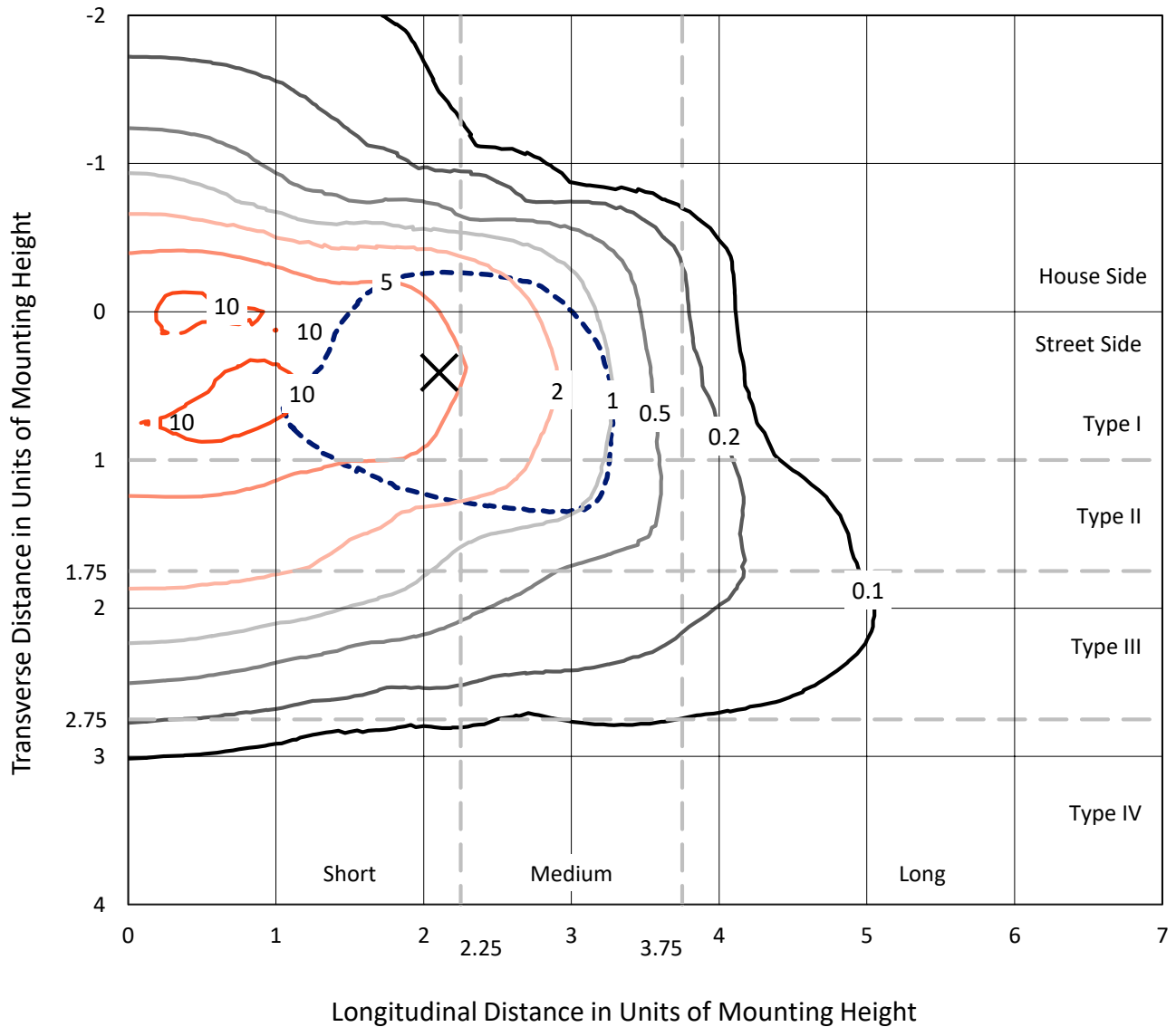
Lumens per Lamp: N/A
Luminaire Lumens: 8385.3 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 102.2
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: 25 FT

REPORT NUMBER: P158113
 CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

Iso-Footcandle Lines of Horizontal Illumination

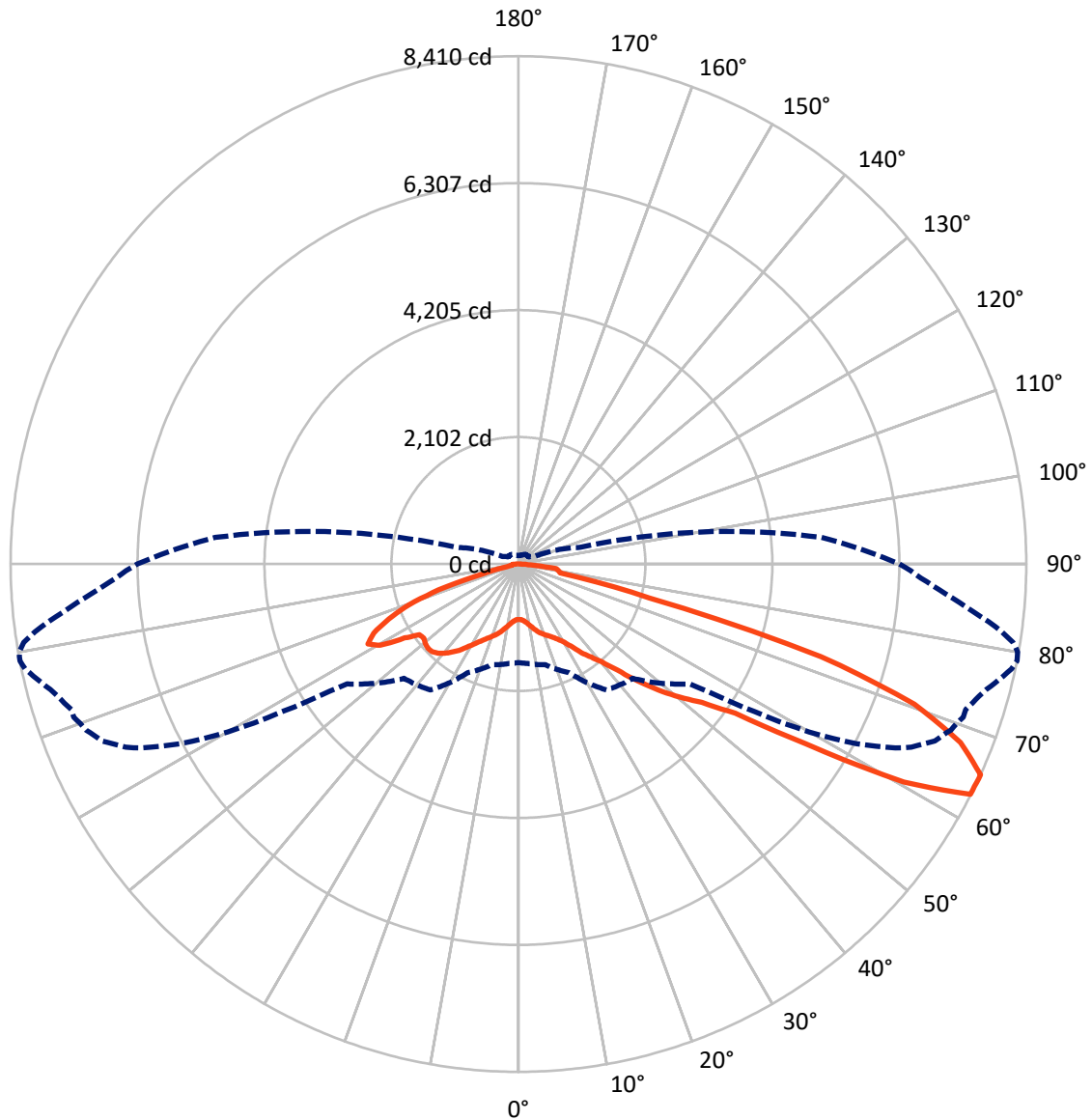
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158113
CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P158113

CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.8	0.0	1926.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	6458.5	0.0	6458.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	8385.3	0.0	8385.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.1
10°-20°	294.8	3.5
20°-30°	508.2	6.1
30°-40°	832.5	9.9
40°-50°	1394.1	16.6
50°-60°	1885.7	22.5
60°-70°	2322.2	27.7
70°-80°	898.9	10.7
80°-90°	158.1	1.9
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°	8385.3	100.0
0°-180°	8385.3	100.0



REPORT NUMBER: P158113

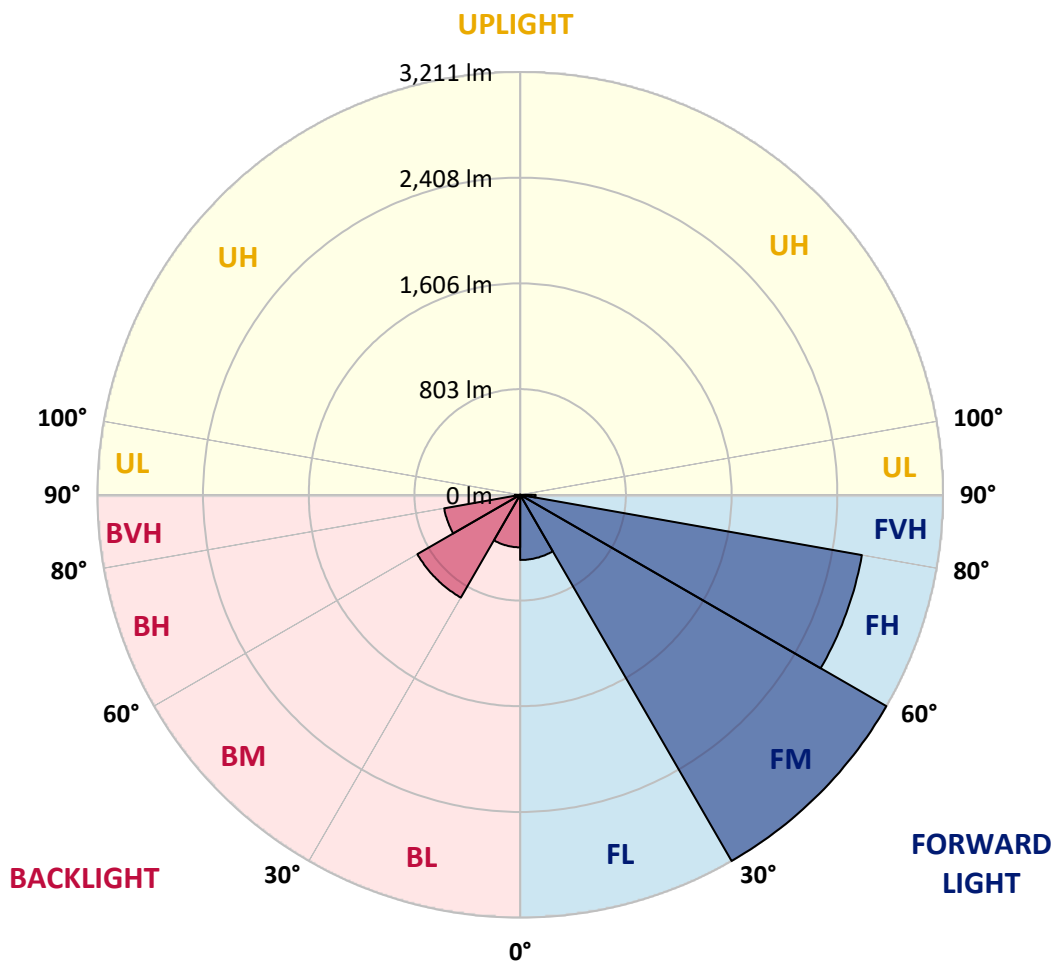
CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.0	5.9			
FM (30°-60°)	3211.2	38.3			
FH (60°-80°)	2634.9	31.4			G2/5000
FVH (80°-90°)	117.3	1.4			G2/225
BL (0°-30°)	398.7	4.8	B1/500		
BM (30°-60°)	901.1	10.7	B1/1000		
BH (60°-80°)	586.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	40.8	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: P158113

CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	919.1	916.3	919.1	921.4	923.0	925.3	924.7	924.2	923.6	924.2	924.2
5°	926.9	926.4	929.2	931.4	935.3	938.1	941.4	941.4	941.4	940.9	942.0
7.5°	952.0	951.5	954.2	956.5	959.8	965.4	969.9	972.1	971.5	971.5	971.5
10°	993.3	991.0	991.0	991.0	995.5	999.4	1009.4	1010.5	1012.8	1011.7	1012.2
12.5°	1033.4	1034.0	1032.3	1030.6	1031.2	1039.0	1053.5	1056.3	1056.8	1058.5	1059.6
15°	1069.6	1069.1	1065.2	1061.3	1066.3	1079.7	1098.6	1103.6	1103.6	1107.0	1109.2
17.5°	1103.1	1102.0	1094.7	1088.0	1093.0	1115.9	1145.4	1148.8	1153.8	1155.5	1157.7
20°	1142.6	1140.4	1132.1	1114.2	1114.2	1145.4	1184.5	1187.8	1192.3	1193.4	1197.3
22.5°	1197.8	1192.3	1174.4	1142.1	1133.2	1169.4	1217.3	1219.0	1222.4	1226.8	1230.2
25°	1260.3	1261.4	1232.4	1176.1	1156.6	1194.5	1249.1	1251.9	1258.0	1261.4	1265.3
27.5°	1324.9	1326.6	1294.3	1224.0	1191.1	1229.0	1292.0	1295.4	1302.6	1306.5	1312.6
30°	1398.5	1400.7	1369.5	1298.7	1248.6	1279.8	1355.6	1364.5	1370.6	1375.6	1385.7
32.5°	1575.2	1561.8	1540.1	1464.8	1385.7	1383.4	1458.1	1468.2	1476.5	1487.1	1496.6
35°	1797.6	1805.9	1817.1	1766.4	1696.7	1646.0	1652.1	1646.5	1654.3	1669.9	1679.4
37.5°	1973.7	1992.1	2040.6	2073.5	2070.7	2060.7	1967.0	1967.0	1972.0	1963.7	1962.6
40°	2111.9	2123.6	2222.9	2350.5	2458.1	2511.0	2436.9	2426.3	2431.9	2389.0	2390.6
42.5°	2183.3	2200.6	2343.3	2567.3	2780.8	2950.8	2928.0	2920.7	2904.0	2893.4	2886.7
45°	2219.5	2240.1	2410.1	2717.8	3028.8	3291.4	3409.5	3408.4	3393.4	3381.1	3375.5
47.5°	2201.1	2219.0	2400.1	2763.5	3159.3	3511.0	3772.4	3788.6	3784.1	3801.9	3809.2
50°	2080.7	2103.6	2285.3	2664.9	3104.7	3597.4	4023.8	4053.9	4094.6	4120.2	4154.2
52.5°	1972.0	1991.0	2154.9	2504.9	2925.2	3527.2	4175.4	4237.3	4293.0	4345.4	4386.1
55°	1858.3	1877.3	2021.1	2338.8	2744.0	3319.8	4244.5	4334.8	4421.8	4510.4	4591.8
57.5°	1815.4	1835.5	1942.5	2210.0	2595.8	3114.1	4278.5	4426.8	4568.4	4718.9	4874.9
60°	1926.9	1944.7	2026.1	2213.4	2482.6	2908.5	4210.0	4442.9	4686.5	4934.6	5174.2
62.5°	1892.9	1902.4	2003.8	2294.2	2627.0	2705.6	3912.9	4220.5	4574.5	4937.9	5305.2
65°	1633.1	1651.5	1727.9	1983.2	2546.2	2678.3	3460.3	3769.6	4187.1	4616.8	5109.0
67.5°	1171.6	1146.0	1205.1	1428.6	1975.4	2673.8	2950.8	3179.9	3507.1	3836.5	4240.1
70°	532.3	520.0	566.3	743.0	1191.7	2113.1	2494.9	2572.3	2693.9	2915.7	3188.3
72.5°	210.1	209.6	239.7	307.1	563.5	1360.0	2098.0	2142.6	2185.5	2281.9	2399.6
75°	137.7	137.7	146.6	165.5	277.6	656.6	1774.7	1815.4	1881.2	1908.5	1958.7
77.5°	103.7	104.2	108.1	112.6	153.3	345.6	1252.5	1396.8	1508.3	1591.3	1652.1
80°	73.6	76.9	84.2	87.0	99.8	196.8	707.9	812.1	938.1	1072.4	1241.3
82.5°	55.2	59.1	71.3	74.7	79.1	112.0	319.4	362.3	423.1	548.5	788.7
85°	25.6	28.4	49.1	53.5	57.4	64.7	162.2	181.2	205.7	225.2	262.5
87.5°	3.9	2.8	8.4	11.7	18.4	19.0	55.7	66.3	71.9	86.4	89.7
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: P158113

CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	924.2	924.7	925.3	924.2	924.7	924.7	923.6	923.0	923.0	923.0	923.6
5°	942.0	943.1	942.0	942.5	944.8	944.2	943.1	942.5	944.8	945.3	943.7
7.5°	973.8	974.3	972.1	974.9	976.0	976.5	976.5	977.7	977.7	979.3	977.7
10°	1014.4	1014.4	1018.3	1017.8	1018.3	1019.5	1020.0	1022.3	1023.9	1023.9	1025.0
12.5°	1061.3	1061.8	1065.7	1066.3	1068.5	1069.1	1072.4	1070.2	1075.8	1075.8	1077.4
15°	1109.8	1113.7	1114.2	1119.8	1120.9	1121.5	1125.9	1125.9	1129.8	1130.4	1131.5
17.5°	1157.7	1161.0	1163.3	1167.7	1171.6	1173.3	1175.0	1178.3	1181.1	1182.2	1185.0
20°	1198.9	1202.3	1204.5	1209.0	1212.3	1215.1	1216.8	1220.7	1223.5	1224.6	1228.5
22.5°	1233.5	1235.7	1239.6	1245.8	1246.9	1250.2	1255.2	1258.0	1259.1	1262.5	1266.9
25°	1270.3	1273.6	1275.9	1281.4	1285.9	1291.5	1295.9	1300.4	1301.5	1306.0	1309.9
27.5°	1319.3	1322.7	1323.2	1334.4	1338.8	1346.7	1351.7	1358.4	1361.7	1365.6	1373.4
30°	1391.8	1399.6	1402.9	1415.8	1418.0	1426.9	1435.8	1438.1	1443.1	1443.6	1456.5
32.5°	1502.7	1513.9	1518.3	1531.7	1535.0	1543.4	1548.4	1560.1	1560.7	1566.3	1569.0
35°	1684.4	1681.6	1698.9	1702.3	1712.3	1719.5	1724.6	1724.6	1735.2	1735.7	1739.1
37.5°	1932.5	1926.9	1931.4	1911.3	1916.3	1907.4	1905.7	1907.9	1903.5	1904.6	1904.0
40°	2329.3	2304.2	2278.0	2216.2	2202.8	2177.2	2157.1	2140.9	2125.3	2108.6	2097.5
42.5°	2827.1	2790.8	2751.8	2652.6	2606.3	2556.7	2508.2	2480.4	2424.6	2390.6	2372.2
45°	3348.8	3306.4	3251.8	3169.3	3103.5	3050.6	2962.0	2920.2	2833.8	2790.8	2732.9
47.5°	3776.3	3776.9	3732.8	3649.2	3579.0	3543.9	3488.7	3407.9	3309.8	3254.6	3151.5
50°	4150.3	4149.8	4147.0	4096.8	4047.8	4009.3	3960.8	3887.8	3807.5	3745.1	3626.9
52.5°	4426.8	4463.6	4479.2	4478.6	4472.5	4454.6	4417.9	4354.9	4273.5	4238.4	4144.2
55°	4655.3	4735.6	4777.4	4868.8	4877.1	4906.7	4874.4	4874.9	4827.0	4830.3	4800.2
57.5°	5001.4	5148.0	5232.2	5434.5	5536.0	5658.6	5636.9	5739.4	5776.8	5824.2	5887.1
60°	5394.4	5668.1	5867.6	6270.1	6433.9	6632.4	6741.6	6858.1	6942.8	7029.8	7093.9
62.5°	5675.3	6034.8	6362.6	6936.1	7149.1	7358.1	7495.8	7636.8	7732.1	7794.5	7840.8
65°	5560.5	5957.9	6345.3	6946.7	7178.6	7330.2	7494.1	7575.5	7670.8	7722.6	7788.9
67.5°	4725.0	5123.5	5538.8	6248.3	6490.8	6700.4	6828.0	6933.4	7010.3	7076.0	7152.4
70°	3513.8	3949.7	4378.8	5157.0	5463.0	5765.6	5916.1	6046.5	6126.8	6193.1	6277.3
72.5°	2528.9	2802.0	3070.1	3941.3	4247.3	4638.6	4794.7	4939.6	5043.8	5040.5	5129.6
75°	2013.3	2124.2	2243.5	2693.3	2912.9	3242.9	3330.4	3411.8	3362.7	3268.5	3263.0
77.5°	1676.1	1721.8	1761.9	1902.9	1935.3	2013.8	1970.4	1925.2	1779.7	1657.1	1592.5
80°	1360.6	1450.9	1510.0	1610.3	1651.5	1675.0	1681.1	1665.5	1612.0	1537.8	1419.7
82.5°	1011.7	1183.3	1300.4	1497.7	1570.2	1585.2	1614.2	1596.4	1561.2	1501.0	1416.3
85°	296.5	335.5	384.6	521.7	611.5	687.8	765.9	804.3	828.3	794.8	707.3
87.5°	104.2	117.6	131.5	181.2	192.9	233.0	228.5	269.8	271.4	283.2	270.9
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: P158113

CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	923.0	923.0	923.0	923.6	923.6	923.6	922.5	921.9	922.5	923.6	923.6
5°	944.8	945.3	946.4	944.2	944.8	946.4	945.3	944.8	945.3	946.4	945.3
7.5°	979.9	980.4	979.3	981.6	981.6	982.7	984.3	982.7	983.2	983.8	984.3
10°	1025.6	1026.2	1027.3	1028.9	1029.5	1030.6	1031.7	1033.4	1033.4	1032.3	1035.1
12.5°	1080.2	1079.7	1080.8	1083.0	1084.1	1085.8	1089.1	1089.1	1091.4	1090.8	1093.6
15°	1133.7	1136.5	1137.1	1141.0	1142.6	1145.4	1149.3	1151.6	1151.6	1154.9	1156.0
17.5°	1187.2	1189.5	1191.7	1195.0	1197.3	1198.9	1203.4	1206.2	1205.6	1211.8	1211.8
20°	1228.5	1232.9	1235.7	1238.0	1241.9	1244.6	1248.0	1251.3	1253.6	1257.5	1258.6
22.5°	1268.6	1271.4	1275.3	1278.1	1282.6	1285.9	1289.8	1292.6	1296.5	1301.5	1303.2
25°	1313.2	1317.7	1322.1	1326.0	1329.4	1333.3	1340.0	1346.1	1351.7	1356.1	1357.8
27.5°	1375.1	1380.1	1386.8	1389.6	1394.6	1397.9	1408.0	1415.8	1418.6	1426.4	1428.6
30°	1458.7	1464.3	1470.9	1474.3	1483.2	1487.7	1498.3	1506.6	1509.4	1518.9	1520.6
32.5°	1579.6	1583.0	1596.4	1595.8	1608.1	1620.9	1627.0	1633.7	1646.0	1651.0	1652.7
35°	1747.4	1755.2	1764.7	1764.1	1779.7	1787.0	1799.2	1806.5	1815.4	1814.9	1824.3
37.5°	1909.6	1912.4	1915.7	1923.0	1934.1	1944.2	1948.6	1955.9	1962.6	1972.6	1984.9
40°	2086.3	2093.0	2093.6	2097.5	2103.0	2115.8	2124.2	2132.0	2154.9	2169.4	2176.6
42.5°	2351.1	2349.4	2338.2	2345.5	2348.8	2368.3	2374.5	2398.4	2424.1	2454.7	2463.1
45°	2691.6	2669.3	2662.6	2659.9	2677.7	2687.7	2712.8	2757.4	2784.2	2813.1	2827.1
47.5°	3110.8	3041.1	3008.2	3001.0	3019.4	3062.3	3070.7	3114.7	3149.8	3171.0	3184.9
50°	3530.5	3475.9	3406.8	3383.3	3378.3	3417.9	3427.4	3464.2	3499.8	3506.0	3498.7
52.5°	4057.8	3968.6	3854.3	3813.1	3780.2	3783.0	3790.8	3806.4	3829.3	3819.8	3800.3
55°	4732.2	4630.8	4574.5	4496.5	4446.8	4437.9	4403.9	4357.1	4355.4	4361.6	4303.0
57.5°	5855.4	5813.0	5837.0	5828.6	5779.6	5809.1	5655.8	5612.3	5577.8	5517.6	5463.5
60°	7150.7	7194.2	7243.8	7358.1	7353.1	7467.9	7361.4	7334.7	7302.3	7116.7	7025.9
62.5°	7921.6	7938.9	8011.9	8118.4	8223.2	8333.0	8382.6	8399.8	8332.4	8180.8	7991.3
65°	7787.3	7863.6	7934.4	8026.4	8134.0	8243.8	8348.6	8409.9	8394.3	8293.9	8085.5
67.5°	7176.9	7257.2	7360.9	7457.3	7573.2	7668.6	7783.4	7896.0	7899.3	7849.1	7704.2
70°	6286.2	6379.3	6486.3	6540.4	6665.8	6752.2	6847.5	6959.0	6995.2	7001.4	6832.5
72.5°	5110.7	5149.7	5202.1	5173.7	5198.8	5253.9	5228.3	5237.2	5099.5	5125.2	4916.7
75°	3112.5	3076.8	2918.5	2774.1	2598.0	2462.5	2494.9	2236.2	1981.5	1968.7	1784.8
77.5°	1578.5	1521.7	1423.6	1321.6	1172.2	1001.1	858.4	704.5	574.7	500.5	429.7
80°	1344.4	1304.3	1250.2	1176.1	1067.4	940.9	792.0	675.0	566.3	453.2	362.9
82.5°	1286.5	1163.8	1085.2	1023.4	905.8	788.7	707.3	627.1	550.1	480.5	380.7
85°	638.2	564.6	477.7	423.6	326.1	255.3	239.1	196.8	183.4	141.6	119.3
87.5°	214.6	175.6	131.0	110.4	88.1	71.9	70.8	63.0	62.4	56.9	52.4
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: P158113

CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	923.0	924.2	924.2	923.0	923.6	922.5	923.0	923.6	921.9	921.4	919.7
5°	945.9	945.3	945.3	945.9	947.6	948.1	945.3	946.4	947.0	944.2	938.1
7.5°	983.8	983.8	985.5	984.9	988.2	987.1	986.6	986.6	986.6	981.0	971.0
10°	1035.1	1035.1	1036.7	1039.0	1039.5	1038.4	1038.4	1039.0	1041.8	1030.6	1015.0
12.5°	1092.5	1095.3	1094.7	1094.7	1101.4	1099.7	1097.5	1099.7	1102.5	1086.9	1064.6
15°	1156.6	1158.3	1159.4	1163.3	1162.2	1166.1	1167.2	1166.1	1168.8	1148.8	1111.4
17.5°	1214.5	1217.9	1219.0	1223.5	1223.5	1224.0	1228.5	1226.8	1227.4	1204.5	1151.0
20°	1262.5	1265.8	1267.5	1272.5	1273.6	1275.9	1277.5	1278.6	1281.4	1254.1	1183.3
22.5°	1310.4	1313.2	1316.0	1319.3	1323.8	1326.6	1328.8	1329.9	1334.9	1303.2	1214.0
25°	1363.9	1370.1	1372.8	1378.4	1382.9	1387.3	1390.7	1391.2	1399.6	1360.0	1239.1
27.5°	1435.3	1443.6	1448.1	1457.0	1461.5	1465.9	1464.8	1471.5	1483.2	1425.2	1258.6
30°	1528.9	1539.5	1542.3	1551.2	1558.5	1562.9	1567.9	1573.5	1581.3	1497.7	1268.1
32.5°	1659.3	1675.5	1679.4	1684.4	1695.0	1702.8	1706.2	1715.1	1717.3	1566.3	1265.3
35°	1838.3	1831.0	1850.0	1854.4	1869.5	1875.6	1879.5	1891.2	1882.3	1641.0	1246.9
37.5°	1999.9	1997.7	2016.1	2026.1	2045.6	2041.2	2050.6	2058.4	2026.7	1693.9	1212.9
40°	2197.2	2194.4	2220.1	2223.4	2253.5	2246.8	2250.7	2256.9	2186.1	1730.7	1151.0
42.5°	2472.6	2473.7	2501.0	2504.3	2508.2	2520.5	2500.4	2501.6	2355.5	1740.7	1049.0
45°	2835.4	2854.9	2838.2	2838.8	2837.7	2814.3	2789.2	2759.6	2531.7	1706.2	917.5
47.5°	3187.1	3173.8	3152.6	3133.1	3116.9	3080.1	3043.3	2993.2	2683.8	1624.2	770.9
50°	3488.1	3458.0	3439.1	3385.0	3346.6	3298.6	3247.3	3189.9	2808.7	1506.1	633.8
52.5°	3767.9	3736.7	3665.9	3609.6	3554.5	3490.9	3431.3	3363.8	2919.0	1371.2	529.0
55°	4232.8	4205.5	4134.7	4031.6	3963.6	3876.1	3797.5	3706.1	3142.6	1261.9	459.8
57.5°	5314.7	5291.3	5142.5	5077.3	4987.5	4767.9	4735.6	4592.9	3741.7	1249.1	419.2
60°	6838.0	6737.7	6614.0	6435.6	6225.5	6153.0	5991.4	5801.3	4706.0	1284.2	386.3
62.5°	7773.3	7544.8	7363.1	7157.4	6964.0	6797.9	6621.2	6433.4	5199.3	1238.0	345.6
65°	7843.6	7574.9	7334.7	7093.3	6875.9	6669.2	6497.5	6309.6	5038.8	1064.1	292.6
67.5°	7456.7	7173.6	6911.6	6637.9	6418.3	6231.6	6013.1	5832.5	4586.2	828.3	243.6
70°	6659.1	6410.5	6184.8	5889.9	5707.7	5480.2	5341.5	5115.7	3997.6	564.6	201.2
72.5°	4796.3	4609.0	4535.5	4329.8	4091.2	3957.5	3893.4	3674.3	2954.2	350.6	164.4
75°	1620.3	1666.6	1560.7	1398.5	1477.6	1355.6	1405.2	1300.9	1249.7	201.2	138.2
77.5°	359.5	337.8	312.1	289.8	288.2	270.9	287.1	271.4	290.4	128.2	122.1
80°	283.7	224.1	190.6	173.9	165.0	160.0	156.1	151.6	138.2	109.2	112.6
82.5°	306.6	231.3	169.4	135.4	115.9	108.7	107.0	102.6	101.4	105.9	113.7
85°	98.1	81.9	69.7	65.8	60.8	58.0	56.9	55.2	66.9	115.4	109.2
87.5°	51.3	45.1	40.1	38.5	33.4	31.2	30.7	31.2	46.8	115.4	79.1
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: P158113

CATALOG NUMBER: VTS-F04-LED-E1-SL2-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	917.5	917.5	917.5	917.5	917.5	917.5	917.5
2.5°	918.0	917.5	916.3	915.8	915.2	912.4	914.7
5°	935.3	929.7	924.7	918.6	915.2	912.4	912.4
7.5°	961.5	945.9	933.1	919.1	909.7	902.4	901.3
10°	994.4	964.3	934.7	909.7	891.8	878.4	876.8
12.5°	1025.6	979.9	933.1	891.8	864.0	845.0	843.9
15°	1054.6	988.2	920.2	859.5	817.7	792.6	789.8
17.5°	1077.4	983.2	891.3	814.3	757.5	727.9	726.3
20°	1082.4	963.2	850.0	758.6	698.4	667.2	659.9
22.5°	1078.0	926.9	798.7	697.3	628.2	597.0	593.1
25°	1064.6	882.9	735.2	625.9	561.8	530.1	522.3
27.5°	1040.6	831.1	666.6	556.8	493.3	462.6	454.8
30°	1005.0	768.6	593.6	492.2	426.4	401.9	394.1
32.5°	955.4	692.8	521.7	425.8	371.2	351.7	348.4
35°	886.8	605.9	446.5	371.2	331.1	319.4	317.7
37.5°	799.3	518.9	383.5	332.2	303.2	296.0	294.9
40°	685.0	429.7	338.9	304.3	283.2	277.0	275.9
42.5°	567.4	362.9	306.0	282.0	264.8	259.2	257.5
45°	464.3	317.7	281.5	263.6	247.5	241.3	240.8
47.5°	387.4	291.5	261.4	246.9	230.8	223.5	224.1
50°	331.1	267.5	244.7	232.4	214.0	207.3	207.9
52.5°	292.6	243.6	229.1	215.2	199.5	192.9	192.9
55°	262.5	224.1	214.0	199.0	186.7	180.6	180.0
57.5°	238.0	208.5	199.5	187.3	175.0	167.8	167.8
60°	223.0	197.3	190.1	178.9	164.4	156.6	156.1
62.5°	214.0	194.0	187.8	172.2	156.1	148.3	146.6
65°	207.3	201.8	194.0	168.3	149.4	141.0	139.3
67.5°	207.9	220.2	209.0	170.6	147.2	134.9	132.7
70°	211.3	234.7	219.6	175.6	156.6	132.1	127.1
72.5°	194.5	212.4	197.9	167.2	152.7	127.1	121.0
75°	162.2	155.0	142.1	136.0	137.1	115.4	113.1
77.5°	131.5	115.4	103.1	108.1	115.4	98.7	96.4
80°	114.3	93.6	87.5	95.9	104.8	84.2	78.6
82.5°	107.0	79.1	75.2	99.8	109.8	72.5	63.5
85°	94.2	64.7	59.1	117.6	109.8	54.6	50.7
87.5°	63.0	38.5	36.8	86.4	75.2	37.9	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)