

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: P158100

Luminaire Tested: **VTS-E03-LED-E1-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158100  
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-E03-LED-E1-SL2  
Description: VENTUS LED SITE LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (63) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

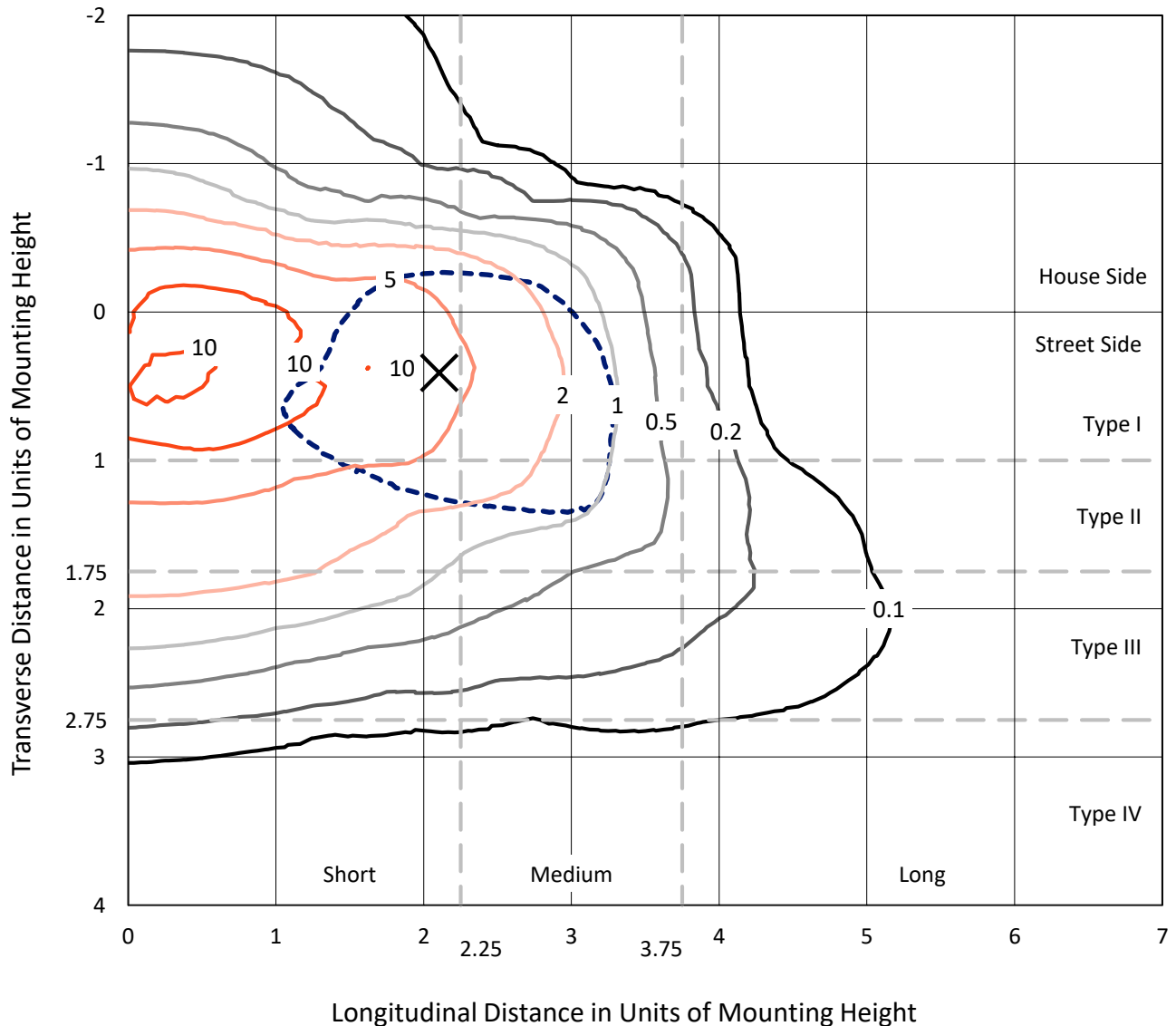
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9026.3 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P158100  
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### Iso-Footcandle Lines of Horizontal Illumination

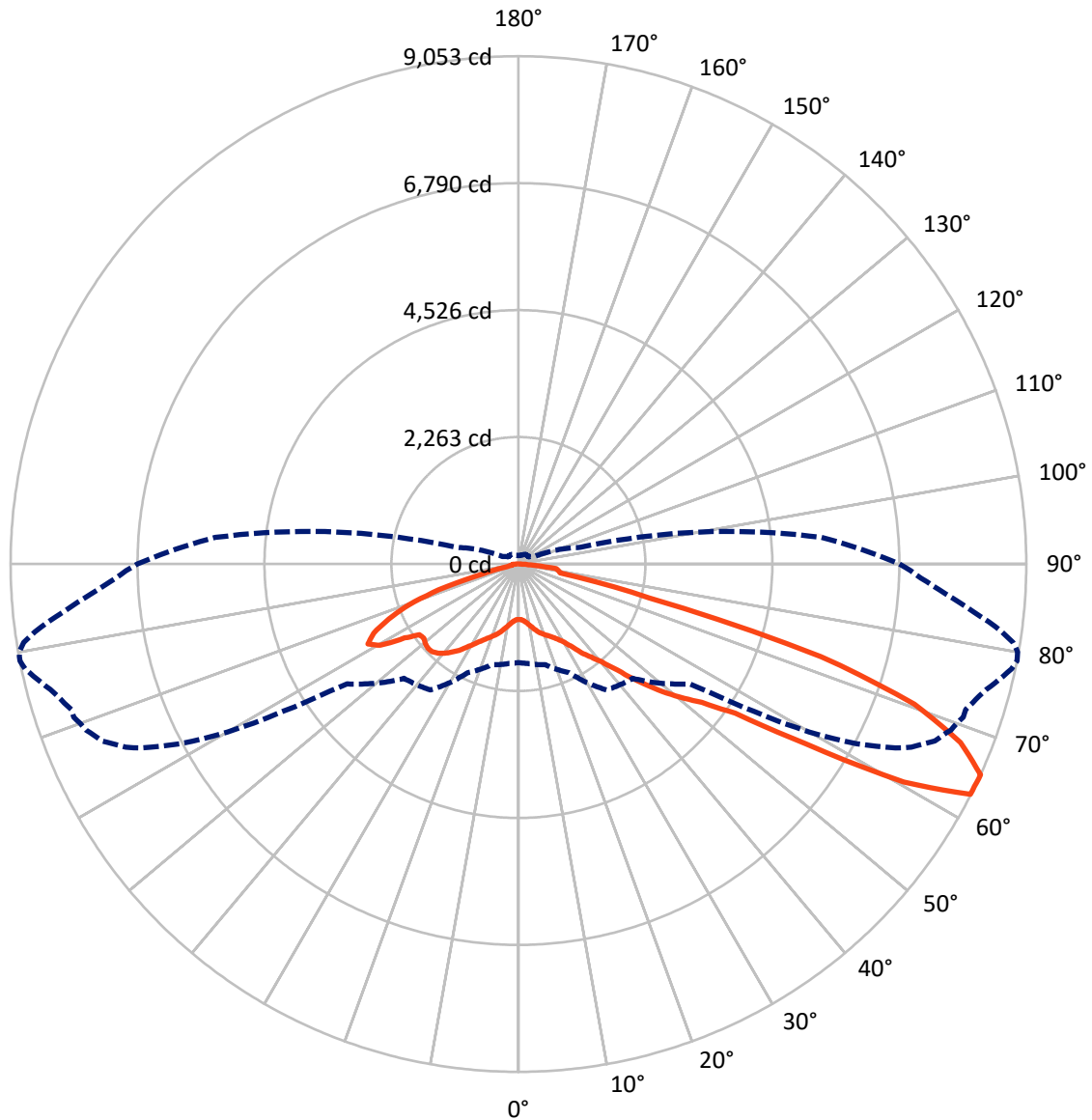
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P158100  
CATALOG NUMBER: VTS-E03-LED-E1-SL2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P158100

CATALOG NUMBER: VTS-E03-LED-E1-SL2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2074.1	0.0	2074.1
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	6952.2	0.0	6952.2
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	9026.3	0.0	9026.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.7	1.1
10°-20°	317.3	3.5
20°-30°	547.1	6.1
30°-40°	896.1	9.9
40°-50°	1500.7	16.6
50°-60°	2029.9	22.5
60°-70°	2499.8	27.7
70°-80°	967.6	10.7
80°-90°	170.2	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°	9026.3	100.0
0°-180°	9026.3	100.0



REPORT NUMBER: P158100

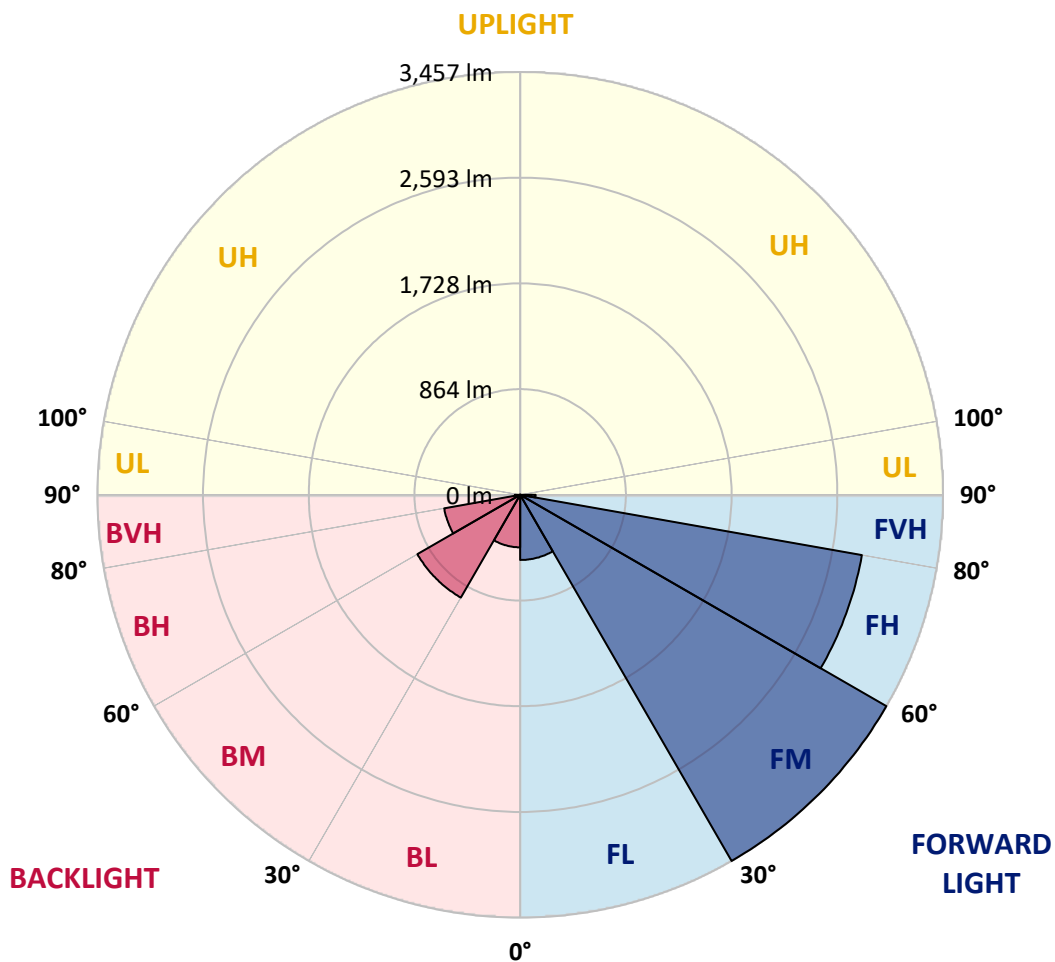
CATALOG NUMBER: VTS-E03-LED-E1-SL2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.9	5.9			
FM (30°-60°)	3456.7	38.3			
FH (60°-80°)	2836.4	31.4			G2/5000
FVH (80°-90°)	126.3	1.4			G2/225
BL (0°-30°)	429.2	4.8	B1/500		
BM (30°-60°)	969.9	10.7	B1/1000		
BH (60°-80°)	631.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	43.9	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: P158100

CATALOG NUMBER: VTS-E03-LED-E1-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6
2.5°	989.4	986.4	989.4	991.8	993.6	996.0	995.4	994.8	994.2	994.8	994.8
5°	997.8	997.2	1000.2	1002.6	1006.8	1009.8	1013.4	1013.4	1013.4	1012.8	1014.0
7.5°	1024.8	1024.2	1027.2	1029.6	1033.2	1039.2	1044.0	1046.4	1045.8	1045.8	1045.8
10°	1069.2	1066.8	1066.8	1066.8	1071.6	1075.8	1086.6	1087.8	1090.2	1089.0	1089.6
12.5°	1112.4	1113.0	1111.2	1109.4	1110.0	1118.4	1134.0	1137.0	1137.6	1139.4	1140.6
15°	1151.4	1150.8	1146.6	1142.4	1147.8	1162.2	1182.6	1188.0	1188.0	1191.6	1194.0
17.5°	1187.4	1186.2	1178.4	1171.2	1176.6	1201.2	1233.0	1236.6	1242.0	1243.8	1246.2
20°	1230.0	1227.6	1218.6	1199.4	1199.4	1233.0	1275.0	1278.6	1283.4	1284.6	1288.8
22.5°	1289.4	1283.4	1264.2	1229.4	1219.8	1258.8	1310.4	1312.2	1315.8	1320.6	1324.2
25°	1356.6	1357.8	1326.6	1266.0	1245.0	1285.8	1344.6	1347.6	1354.2	1357.8	1362.0
27.5°	1426.2	1428.0	1393.2	1317.6	1282.2	1323.0	1390.8	1394.4	1402.2	1406.4	1413.0
30°	1505.4	1507.8	1474.2	1398.0	1344.0	1377.6	1459.2	1468.8	1475.4	1480.8	1491.6
32.5°	1695.6	1681.2	1657.8	1576.8	1491.6	1489.2	1569.6	1580.4	1589.4	1600.8	1611.0
35°	1935.0	1944.0	1956.0	1901.4	1826.4	1771.8	1778.4	1772.4	1780.8	1797.6	1807.8
37.5°	2124.6	2144.4	2196.6	2232.0	2229.0	2218.2	2117.4	2117.4	2122.8	2113.8	2112.6
40°	2273.4	2286.0	2392.8	2530.2	2646.0	2703.0	2623.2	2611.8	2617.8	2571.6	2573.4
42.5°	2350.2	2368.8	2522.4	2763.6	2993.4	3176.4	3151.8	3144.0	3126.0	3114.6	3107.4
45°	2389.2	2411.4	2594.4	2925.6	3260.4	3543.0	3670.2	3669.0	3652.8	3639.6	3633.6
47.5°	2369.4	2388.6	2583.6	2974.8	3400.8	3779.4	4060.8	4078.2	4073.4	4092.6	4100.4
50°	2239.8	2264.4	2460.0	2868.6	3342.0	3872.4	4331.4	4363.8	4407.6	4435.2	4471.8
52.5°	2122.8	2143.2	2319.6	2696.4	3148.8	3796.8	4494.6	4561.2	4621.2	4677.6	4721.4
55°	2000.4	2020.8	2175.6	2517.6	2953.8	3573.6	4569.0	4666.2	4759.8	4855.2	4942.8
57.5°	1954.2	1975.8	2091.0	2379.0	2794.2	3352.2	4605.6	4765.2	4917.6	5079.6	5247.6
60°	2074.2	2093.4	2181.0	2382.6	2672.4	3130.8	4531.8	4782.6	5044.8	5311.8	5569.8
62.5°	2037.6	2047.8	2157.0	2469.6	2827.8	2912.4	4212.0	4543.2	4924.2	5315.4	5710.8
65°	1758.0	1777.8	1860.0	2134.8	2740.8	2883.0	3724.8	4057.8	4507.2	4969.8	5499.6
67.5°	1261.2	1233.6	1297.2	1537.8	2126.4	2878.2	3176.4	3423.0	3775.2	4129.8	4564.2
70°	573.0	559.8	609.6	799.8	1282.8	2274.6	2685.6	2769.0	2899.8	3138.6	3432.0
72.5°	226.2	225.6	258.0	330.6	606.6	1464.0	2258.4	2306.4	2352.6	2456.4	2583.0
75°	148.2	148.2	157.8	178.2	298.8	706.8	1910.4	1954.2	2025.0	2054.4	2108.4
77.5°	111.6	112.2	116.4	121.2	165.0	372.0	1348.2	1503.6	1623.6	1713.0	1778.4
80°	79.2	82.8	90.6	93.6	107.4	211.8	762.0	874.2	1009.8	1154.4	1336.2
82.5°	59.4	63.6	76.8	80.4	85.2	120.6	343.8	390.0	455.4	590.4	849.0
85°	27.6	30.6	52.8	57.6	61.8	69.6	174.6	195.0	221.4	242.4	282.6
87.5°	4.2	3.0	9.0	12.6	19.8	20.4	60.0	71.4	77.4	93.0	96.6
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: P158100  
 CATALOG NUMBER: VTS-E03-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6
2.5°	994.8	995.4	996.0	994.8	995.4	995.4	994.2	993.6	993.6	993.6	994.2
5°	1014.0	1015.2	1014.0	1014.6	1017.0	1016.4	1015.2	1014.6	1017.0	1017.6	1015.8
7.5°	1048.2	1048.8	1046.4	1049.4	1050.6	1051.2	1051.2	1052.4	1052.4	1054.2	1052.4
10°	1092.0	1092.0	1096.2	1095.6	1096.2	1097.4	1098.0	1100.4	1102.2	1102.2	1103.4
12.5°	1142.4	1143.0	1147.2	1147.8	1150.2	1150.8	1154.4	1152.0	1158.0	1158.0	1159.8
15°	1194.6	1198.8	1199.4	1205.4	1206.6	1207.2	1212.0	1212.0	1216.2	1216.8	1218.0
17.5°	1246.2	1249.8	1252.2	1257.0	1261.2	1263.0	1264.8	1268.4	1271.4	1272.6	1275.6
20°	1290.6	1294.2	1296.6	1301.4	1305.0	1308.0	1309.8	1314.0	1317.0	1318.2	1322.4
22.5°	1327.8	1330.2	1334.4	1341.0	1342.2	1345.8	1351.2	1354.2	1355.4	1359.0	1363.8
25°	1367.4	1371.0	1373.4	1379.4	1384.2	1390.2	1395.0	1399.8	1401.0	1405.8	1410.0
27.5°	1420.2	1423.8	1424.4	1436.4	1441.2	1449.6	1455.0	1462.2	1465.8	1470.0	1478.4
30°	1498.2	1506.6	1510.2	1524.0	1526.4	1536.0	1545.6	1548.0	1553.4	1554.0	1567.8
32.5°	1617.6	1629.6	1634.4	1648.8	1652.4	1661.4	1666.8	1679.4	1680.0	1686.0	1689.0
35°	1813.2	1810.2	1828.8	1832.4	1843.2	1851.0	1856.4	1856.4	1867.8	1868.4	1872.0
37.5°	2080.2	2074.2	2079.0	2057.4	2062.8	2053.2	2051.4	2053.8	2049.0	2050.2	2049.6
40°	2507.4	2480.4	2452.2	2385.6	2371.2	2343.6	2322.0	2304.6	2287.8	2269.8	2257.8
42.5°	3043.2	3004.2	2962.2	2855.4	2805.6	2752.2	2700.0	2670.0	2610.0	2573.4	2553.6
45°	3604.8	3559.2	3500.4	3411.6	3340.8	3283.8	3188.4	3143.4	3050.4	3004.2	2941.8
47.5°	4065.0	4065.6	4018.2	3928.2	3852.6	3814.8	3755.4	3668.4	3562.8	3503.4	3392.4
50°	4467.6	4467.0	4464.0	4410.0	4357.2	4315.8	4263.6	4185.0	4098.6	4031.4	3904.2
52.5°	4765.2	4804.8	4821.6	4821.0	4814.4	4795.2	4755.6	4687.8	4600.2	4562.4	4461.0
55°	5011.2	5097.6	5142.6	5241.0	5250.0	5281.8	5247.0	5247.6	5196.0	5199.6	5167.2
57.5°	5383.8	5541.6	5632.2	5850.0	5959.2	6091.2	6067.8	6178.2	6218.4	6269.4	6337.2
60°	5806.8	6101.4	6316.2	6749.4	6925.8	7139.4	7257.0	7382.4	7473.6	7567.2	7636.2
62.5°	6109.2	6496.2	6849.0	7466.4	7695.6	7920.6	8068.8	8220.6	8323.2	8390.4	8440.2
65°	5985.6	6413.4	6830.4	7477.8	7727.4	7890.6	8067.0	8154.6	8257.2	8313.0	8384.4
67.5°	5086.2	5515.2	5962.2	6726.0	6987.0	7212.6	7350.0	7463.4	7546.2	7617.0	7699.2
70°	3782.4	4251.6	4713.6	5551.2	5880.6	6206.4	6368.4	6508.8	6595.2	6666.6	6757.2
72.5°	2722.2	3016.2	3304.8	4242.6	4572.0	4993.2	5161.2	5317.2	5429.4	5425.8	5521.8
75°	2167.2	2286.6	2415.0	2899.2	3135.6	3490.8	3585.0	3672.6	3619.8	3518.4	3512.4
77.5°	1804.2	1853.4	1896.6	2048.4	2083.2	2167.8	2121.0	2072.4	1915.8	1783.8	1714.2
80°	1464.6	1561.8	1625.4	1733.4	1777.8	1803.0	1809.6	1792.8	1735.2	1655.4	1528.2
82.5°	1089.0	1273.8	1399.8	1612.2	1690.2	1706.4	1737.6	1718.4	1680.6	1615.8	1524.6
85°	319.2	361.2	414.0	561.6	658.2	740.4	824.4	865.8	891.6	855.6	761.4
87.5°	112.2	126.6	141.6	195.0	207.6	250.8	246.0	290.4	292.2	304.8	291.6
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: P158100  
 CATALOG NUMBER: VTS-E03-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6
2.5°	993.6	993.6	993.6	994.2	994.2	994.2	993.0	992.4	993.0	994.2	994.2
5°	1017.0	1017.6	1018.8	1016.4	1017.0	1018.8	1017.6	1017.0	1017.6	1018.8	1017.6
7.5°	1054.8	1055.4	1054.2	1056.6	1056.6	1057.8	1059.6	1057.8	1058.4	1059.0	1059.6
10°	1104.0	1104.6	1105.8	1107.6	1108.2	1109.4	1110.6	1112.4	1112.4	1111.2	1114.2
12.5°	1162.8	1162.2	1163.4	1165.8	1167.0	1168.8	1172.4	1172.4	1174.8	1174.2	1177.2
15°	1220.4	1223.4	1224.0	1228.2	1230.0	1233.0	1237.2	1239.6	1239.6	1243.2	1244.4
17.5°	1278.0	1280.4	1282.8	1286.4	1288.8	1290.6	1295.4	1298.4	1297.8	1304.4	1304.4
20°	1322.4	1327.2	1330.2	1332.6	1336.8	1339.8	1343.4	1347.0	1349.4	1353.6	1354.8
22.5°	1365.6	1368.6	1372.8	1375.8	1380.6	1384.2	1388.4	1391.4	1395.6	1401.0	1402.8
25°	1413.6	1418.4	1423.2	1427.4	1431.0	1435.2	1442.4	1449.0	1455.0	1459.8	1461.6
27.5°	1480.2	1485.6	1492.8	1495.8	1501.2	1504.8	1515.6	1524.0	1527.0	1535.4	1537.8
30°	1570.2	1576.2	1583.4	1587.0	1596.6	1601.4	1612.8	1621.8	1624.8	1635.0	1636.8
32.5°	1700.4	1704.0	1718.4	1717.8	1731.0	1744.8	1751.4	1758.6	1771.8	1777.2	1779.0
35°	1881.0	1889.4	1899.6	1899.0	1915.8	1923.6	1936.8	1944.6	1954.2	1953.6	1963.8
37.5°	2055.6	2058.6	2062.2	2070.0	2082.0	2092.8	2097.6	2105.4	2112.6	2123.4	2136.6
40°	2245.8	2253.0	2253.6	2257.8	2263.8	2277.6	2286.6	2295.0	2319.6	2335.2	2343.0
42.5°	2530.8	2529.0	2517.0	2524.8	2528.4	2549.4	2556.0	2581.8	2609.4	2642.4	2651.4
45°	2897.4	2873.4	2866.2	2863.2	2882.4	2893.2	2920.2	2968.2	2997.0	3028.2	3043.2
47.5°	3348.6	3273.6	3238.2	3230.4	3250.2	3296.4	3305.4	3352.8	3390.6	3413.4	3428.4
50°	3800.4	3741.6	3667.2	3642.0	3636.6	3679.2	3689.4	3729.0	3767.4	3774.0	3766.2
52.5°	4368.0	4272.0	4149.0	4104.6	4069.2	4072.2	4080.6	4097.4	4122.0	4111.8	4090.8
55°	5094.0	4984.8	4924.2	4840.2	4786.8	4777.2	4740.6	4690.2	4688.4	4695.0	4632.0
57.5°	6303.0	6257.4	6283.2	6274.2	6221.4	6253.2	6088.2	6041.4	6004.2	5939.4	5881.2
60°	7697.4	7744.2	7797.6	7920.6	7915.2	8038.8	7924.2	7895.4	7860.6	7660.8	7563.0
62.5°	8527.2	8545.8	8624.4	8739.0	8851.8	8970.0	9023.4	9042.0	8969.4	8806.2	8602.2
65°	8382.6	8464.8	8541.0	8640.0	8755.8	8874.0	8986.8	9052.8	9036.0	8928.0	8703.6
67.5°	7725.6	7812.0	7923.6	8027.4	8152.2	8254.8	8378.4	8499.6	8503.2	8449.2	8293.2
70°	6766.8	6867.0	6982.2	7040.4	7175.4	7268.4	7371.0	7491.0	7530.0	7536.6	7354.8
72.5°	5501.4	5543.4	5599.8	5569.2	5596.2	5655.6	5628.0	5637.6	5489.4	5517.0	5292.6
75°	3350.4	3312.0	3141.6	2986.2	2796.6	2650.8	2685.6	2407.2	2133.0	2119.2	1921.2
77.5°	1699.2	1638.0	1532.4	1422.6	1261.8	1077.6	924.0	758.4	618.6	538.8	462.6
80°	1447.2	1404.0	1345.8	1266.0	1149.0	1012.8	852.6	726.6	609.6	487.8	390.6
82.5°	1384.8	1252.8	1168.2	1101.6	975.0	849.0	761.4	675.0	592.2	517.2	409.8
85°	687.0	607.8	514.2	456.0	351.0	274.8	257.4	211.8	197.4	152.4	128.4
87.5°	231.0	189.0	141.0	118.8	94.8	77.4	76.2	67.8	67.2	61.2	56.4
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: P158100

CATALOG NUMBER: VTS-E03-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6	987.6
2.5°	993.6	994.8	994.8	993.6	994.2	993.0	993.6	994.2	992.4	991.8	990.0
5°	1018.2	1017.6	1017.6	1018.2	1020.0	1020.6	1017.6	1018.8	1019.4	1016.4	1009.8
7.5°	1059.0	1059.0	1060.8	1060.2	1063.8	1062.6	1062.0	1062.0	1062.0	1056.0	1045.2
10°	1114.2	1114.2	1116.0	1118.4	1119.0	1117.8	1117.8	1118.4	1121.4	1109.4	1092.6
12.5°	1176.0	1179.0	1178.4	1178.4	1185.6	1183.8	1181.4	1183.8	1186.8	1170.0	1146.0
15°	1245.0	1246.8	1248.0	1252.2	1251.0	1255.2	1256.4	1255.2	1258.2	1236.6	1196.4
17.5°	1307.4	1311.0	1312.2	1317.0	1317.0	1317.6	1322.4	1320.6	1321.2	1296.6	1239.0
20°	1359.0	1362.6	1364.4	1369.8	1371.0	1373.4	1375.2	1376.4	1379.4	1350.0	1273.8
22.5°	1410.6	1413.6	1416.6	1420.2	1425.0	1428.0	1430.4	1431.6	1437.0	1402.8	1306.8
25°	1468.2	1474.8	1477.8	1483.8	1488.6	1493.4	1497.0	1497.6	1506.6	1464.0	1333.8
27.5°	1545.0	1554.0	1558.8	1568.4	1573.2	1578.0	1576.8	1584.0	1596.6	1534.2	1354.8
30°	1645.8	1657.2	1660.2	1669.8	1677.6	1682.4	1687.8	1693.8	1702.2	1612.2	1365.0
32.5°	1786.2	1803.6	1807.8	1813.2	1824.6	1833.0	1836.6	1846.2	1848.6	1686.0	1362.0
35°	1978.8	1971.0	1991.4	1996.2	2012.4	2019.0	2023.2	2035.8	2026.2	1766.4	1342.2
37.5°	2152.8	2150.4	2170.2	2181.0	2202.0	2197.2	2207.4	2215.8	2181.6	1823.4	1305.6
40°	2365.2	2362.2	2389.8	2393.4	2425.8	2418.6	2422.8	2429.4	2353.2	1863.0	1239.0
42.5°	2661.6	2662.8	2692.2	2695.8	2700.0	2713.2	2691.6	2692.8	2535.6	1873.8	1129.2
45°	3052.2	3073.2	3055.2	3055.8	3054.6	3029.4	3002.4	2970.6	2725.2	1836.6	987.6
47.5°	3430.8	3416.4	3393.6	3372.6	3355.2	3315.6	3276.0	3222.0	2889.0	1748.4	829.8
50°	3754.8	3722.4	3702.0	3643.8	3602.4	3550.8	3495.6	3433.8	3023.4	1621.2	682.2
52.5°	4056.0	4022.4	3946.2	3885.6	3826.2	3757.8	3693.6	3621.0	3142.2	1476.0	569.4
55°	4556.4	4527.0	4450.8	4339.8	4266.6	4172.4	4087.8	3989.4	3382.8	1358.4	495.0
57.5°	5721.0	5695.8	5535.6	5465.4	5368.8	5132.4	5097.6	4944.0	4027.8	1344.6	451.2
60°	7360.8	7252.8	7119.6	6927.6	6701.4	6623.4	6449.4	6244.8	5065.8	1382.4	415.8
62.5°	8367.6	8121.6	7926.0	7704.6	7496.4	7317.6	7127.4	6925.2	5596.8	1332.6	372.0
65°	8443.2	8154.0	7895.4	7635.6	7401.6	7179.0	6994.2	6792.0	5424.0	1145.4	315.0
67.5°	8026.8	7722.0	7440.0	7145.4	6909.0	6708.0	6472.8	6278.4	4936.8	891.6	262.2
70°	7168.2	6900.6	6657.6	6340.2	6144.0	5899.2	5749.8	5506.8	4303.2	607.8	216.6
72.5°	5163.0	4961.4	4882.2	4660.8	4404.0	4260.0	4191.0	3955.2	3180.0	377.4	177.0
75°	1744.2	1794.0	1680.0	1505.4	1590.6	1459.2	1512.6	1400.4	1345.2	216.6	148.8
77.5°	387.0	363.6	336.0	312.0	310.2	291.6	309.0	292.2	312.6	138.0	131.4
80°	305.4	241.2	205.2	187.2	177.6	172.2	168.0	163.2	148.8	117.6	121.2
82.5°	330.0	249.0	182.4	145.8	124.8	117.0	115.2	110.4	109.2	114.0	122.4
85°	105.6	88.2	75.0	70.8	65.4	62.4	61.2	59.4	72.0	124.2	117.6
87.5°	55.2	48.6	43.2	41.4	36.0	33.6	33.0	33.6	50.4	124.2	85.2
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: P158100

CATALOG NUMBER: VTS-E03-LED-E1-SL2

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	987.6	987.6	987.6	987.6	987.6	987.6	987.6
2.5°	988.2	987.6	986.4	985.8	985.2	982.2	984.6
5°	1006.8	1000.8	995.4	988.8	985.2	982.2	982.2
7.5°	1035.0	1018.2	1004.4	989.4	979.2	971.4	970.2
10°	1070.4	1038.0	1006.2	979.2	960.0	945.6	943.8
12.5°	1104.0	1054.8	1004.4	960.0	930.0	909.6	908.4
15°	1135.2	1063.8	990.6	925.2	880.2	853.2	850.2
17.5°	1159.8	1058.4	959.4	876.6	815.4	783.6	781.8
20°	1165.2	1036.8	915.0	816.6	751.8	718.2	710.4
22.5°	1160.4	997.8	859.8	750.6	676.2	642.6	638.4
25°	1146.0	950.4	791.4	673.8	604.8	570.6	562.2
27.5°	1120.2	894.6	717.6	599.4	531.0	498.0	489.6
30°	1081.8	827.4	639.0	529.8	459.0	432.6	424.2
32.5°	1028.4	745.8	561.6	458.4	399.6	378.6	375.0
35°	954.6	652.2	480.6	399.6	356.4	343.8	342.0
37.5°	860.4	558.6	412.8	357.6	326.4	318.6	317.4
40°	737.4	462.6	364.8	327.6	304.8	298.2	297.0
42.5°	610.8	390.6	329.4	303.6	285.0	279.0	277.2
45°	499.8	342.0	303.0	283.8	266.4	259.8	259.2
47.5°	417.0	313.8	281.4	265.8	248.4	240.6	241.2
50°	356.4	288.0	263.4	250.2	230.4	223.2	223.8
52.5°	315.0	262.2	246.6	231.6	214.8	207.6	207.6
55°	282.6	241.2	230.4	214.2	201.0	194.4	193.8
57.5°	256.2	224.4	214.8	201.6	188.4	180.6	180.6
60°	240.0	212.4	204.6	192.6	177.0	168.6	168.0
62.5°	230.4	208.8	202.2	185.4	168.0	159.6	157.8
65°	223.2	217.2	208.8	181.2	160.8	151.8	150.0
67.5°	223.8	237.0	225.0	183.6	158.4	145.2	142.8
70°	227.4	252.6	236.4	189.0	168.6	142.2	136.8
72.5°	209.4	228.6	213.0	180.0	164.4	136.8	130.2
75°	174.6	166.8	153.0	146.4	147.6	124.2	121.8
77.5°	141.6	124.2	111.0	116.4	124.2	106.2	103.8
80°	123.0	100.8	94.2	103.2	112.8	90.6	84.6
82.5°	115.2	85.2	81.0	107.4	118.2	78.0	68.4
85°	101.4	69.6	63.6	126.6	118.2	58.8	54.6
87.5°	67.8	41.4	39.6	93.0	81.0	40.8	33.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)