

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: P157868

Luminaire Tested: **VTS-E02-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157868
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33711)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E02-LED-E1-RW-8030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

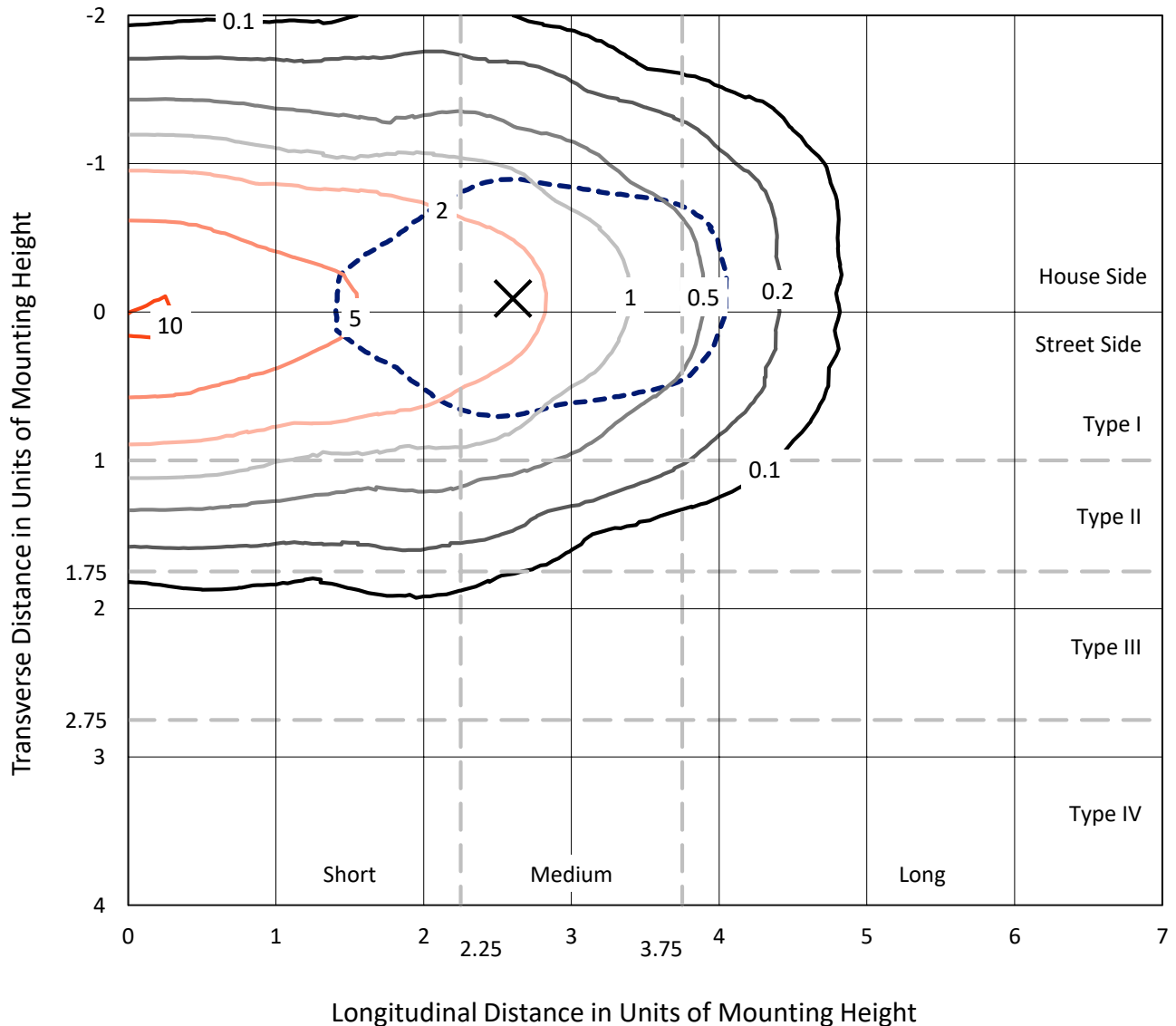
Lumens per Lamp: N/A
Luminaire Lumens: 5258.8 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 52.1
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

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

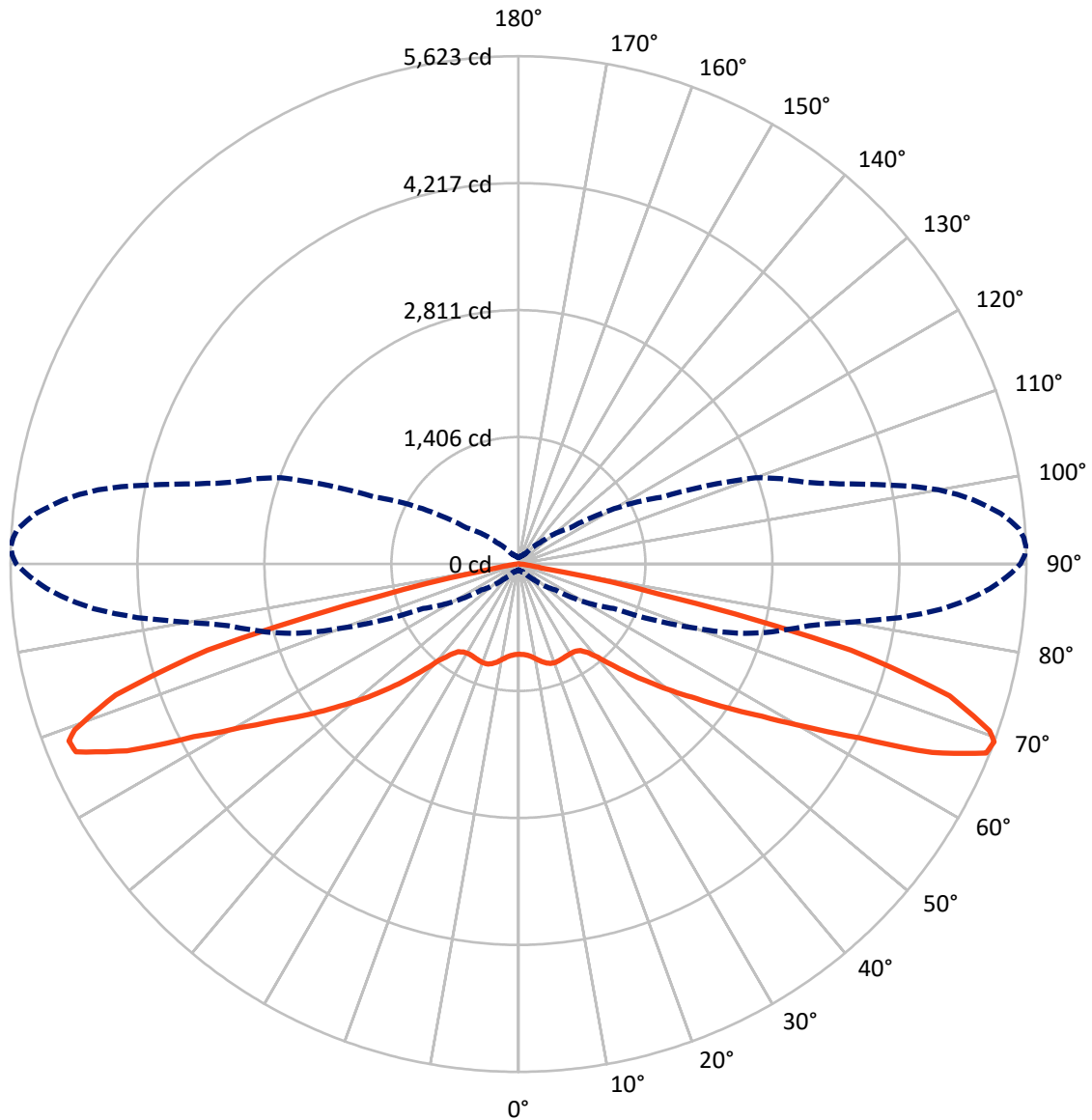


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2789.0	0.0	2789.0
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	2469.8	0.0	2469.8
	% Fixture	47.0	0.0	47.0
Total	Lumens	5258.8	0.0	5258.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	1.9
10°-20°	308.8	5.9
20°-30°	501.0	9.5
30°-40°	624.4	11.9
40°-50°	777.4	14.8
50°-60°	958.7	18.2
60°-70°	1190.7	22.6
70°-80°	731.6	13.9
80°-90°	68.6	1.3
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°	5258.8	100.0
0°-180°	5258.8	100.0



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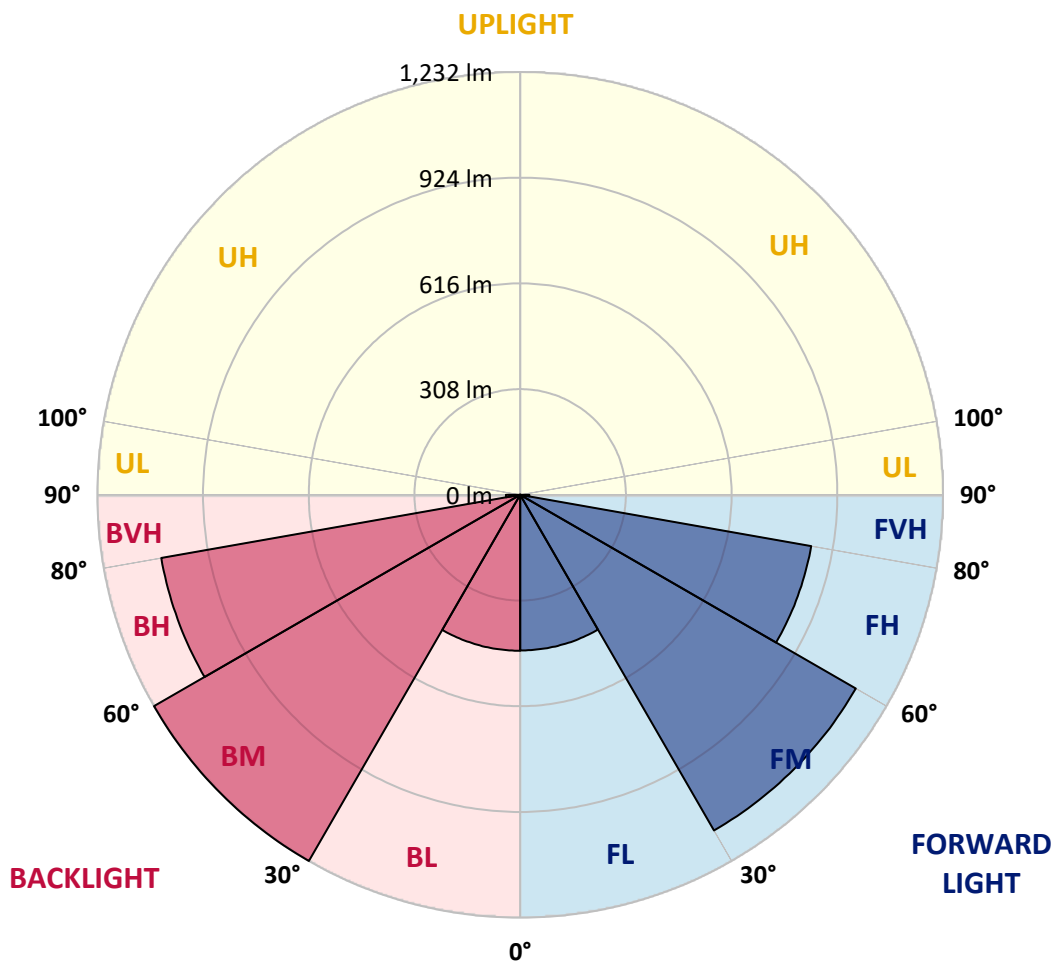
CATALOG NUMBER: VTS-E02-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	453.3	8.6			
FM	(30°-60°)	1128.9	21.5			
FH	(60°-80°)	860.8	16.4			G1/1800
FVH	(80°-90°)	26.8	0.5			G1/100
BL	(0°-30°)	454.2	8.6	B1/500		
BM	(30°-60°)	1231.6	23.4	B2/2500		
BH	(60°-80°)	1061.5	20.2	B3/2500		G3/2500
BVH	(80°-90°)	41.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9
2.5°	1014.8	1012.1	1014.5	1014.8	1014.5	1014.5	1011.4	1010.8	1006.7	1007.7	1007.4
5°	1028.7	1027.6	1029.3	1030.0	1030.7	1029.3	1027.0	1026.0	1023.3	1022.2	1021.9
7.5°	1041.5	1039.8	1042.5	1044.9	1046.5	1046.9	1047.2	1045.5	1045.5	1044.2	1044.2
10°	1052.3	1050.9	1055.3	1058.4	1063.8	1066.8	1070.2	1072.5	1073.9	1074.2	1073.9
12.5°	1057.0	1056.0	1063.1	1072.2	1082.3	1089.4	1097.9	1103.9	1105.6	1105.3	1107.0
15°	1048.9	1049.6	1060.4	1078.3	1099.9	1117.8	1129.6	1134.7	1136.0	1136.7	1137.0
17.5°	1027.0	1028.3	1043.8	1072.9	1110.7	1143.1	1160.7	1160.7	1158.0	1158.0	1157.6
20°	991.9	993.2	1013.5	1055.3	1111.0	1160.7	1185.6	1180.6	1170.4	1168.4	1166.4
22.5°	943.2	948.6	970.9	1019.5	1096.5	1165.7	1201.2	1193.7	1177.9	1173.5	1170.4
25°	888.2	887.5	914.2	968.9	1061.4	1153.6	1205.6	1204.2	1187.3	1182.6	1177.2
27.5°	825.4	827.4	852.1	907.5	1007.7	1118.5	1198.1	1216.0	1202.2	1197.5	1192.4
30°	760.9	763.0	786.3	850.7	946.6	1068.2	1182.9	1227.5	1222.1	1218.4	1215.0
32.5°	696.1	696.8	724.5	793.7	895.0	1008.1	1160.0	1238.0	1245.4	1243.7	1242.4
35°	635.4	636.0	666.1	736.3	844.0	956.7	1132.3	1253.2	1277.1	1279.2	1280.5
37.5°	576.3	577.3	608.0	681.6	793.7	917.9	1101.6	1276.5	1321.7	1329.1	1330.5
40°	517.5	518.5	547.9	625.9	742.7	883.8	1077.9	1309.2	1381.8	1391.9	1402.4
42.5°	461.5	465.2	490.2	564.8	686.0	841.6	1067.8	1349.0	1453.0	1468.9	1480.7
45°	409.2	409.5	437.9	507.7	618.8	784.6	1061.1	1394.3	1532.7	1556.7	1572.9
47.5°	353.1	357.2	386.9	454.7	556.0	714.0	1039.5	1447.3	1619.4	1647.5	1680.2
50°	298.8	304.5	333.2	400.4	498.6	641.1	981.4	1509.4	1717.0	1753.5	1791.3
52.5°	246.4	246.1	276.5	346.4	440.9	579.3	887.2	1574.5	1829.8	1868.9	1909.8
55°	186.4	186.4	216.4	280.2	378.4	524.3	786.3	1615.1	1934.4	1981.7	2026.3
57.5°	127.9	131.3	159.7	214.7	313.3	474.0	709.0	1591.8	2014.4	2073.2	2126.2
60°	94.9	98.2	119.2	154.3	245.1	414.6	650.9	1482.0	2062.7	2140.7	2209.6
62.5°	82.0	84.4	104.3	123.6	176.6	351.4	599.6	1342.6	2132.3	2238.9	2334.8
65°	73.3	75.6	95.5	106.7	138.1	282.6	570.9	1262.9	2215.3	2378.4	2517.5
67.5°	67.9	70.6	87.4	95.5	120.5	255.6	548.6	1244.4	2214.6	2412.5	2590.0
69°	65.2	67.2	81.0	89.8	116.5	247.5	500.3	1163.7	2068.5	2280.8	2459.1
70°	63.5	65.5	77.3	86.1	115.1	232.9	455.8	1057.0	1902.0	2115.7	2296.7
72.5°	58.1	60.1	68.9	77.0	95.9	155.6	317.7	676.5	1359.2	1511.8	1718.7
75°	51.3	53.7	60.4	67.2	72.6	90.1	183.3	351.1	777.1	892.9	1077.3
77.5°	41.9	44.2	51.3	62.1	61.4	68.5	119.2	215.7	363.9	451.4	519.6
80°	34.4	36.1	42.2	62.8	50.3	57.4	96.6	176.9	256.2	283.2	299.4
82.5°	23.0	25.3	32.7	49.3	38.5	40.8	72.2	165.4	216.7	237.7	257.2
85°	10.8	11.8	19.9	26.3	23.3	21.9	41.2	116.8	161.4	171.2	178.6
87.5°	0.0	0.0	1.0	2.0	3.0	3.0	7.4	24.6	45.2	54.7	54.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9
2.5°	1006.0	1006.4	1006.0	1006.0	1005.7	1005.0	1005.0	1004.3	1004.7	1004.3	1005.0
5°	1021.6	1021.6	1020.6	1019.9	1020.9	1019.9	1020.2	1018.5	1018.5	1017.5	1016.2
7.5°	1043.8	1043.8	1044.2	1042.2	1043.5	1043.8	1042.8	1042.2	1041.5	1039.8	1040.1
10°	1073.6	1073.6	1074.6	1071.9	1073.2	1073.9	1074.2	1074.2	1073.6	1070.5	1070.9
12.5°	1106.6	1106.0	1106.3	1105.0	1106.3	1107.0	1107.7	1107.0	1107.0	1106.3	1106.0
15°	1136.7	1136.3	1137.0	1136.0	1136.3	1137.0	1139.1	1138.7	1138.4	1136.3	1136.3
17.5°	1157.3	1156.3	1155.6	1155.3	1155.3	1154.9	1155.3	1155.3	1154.2	1153.9	1153.9
20°	1165.0	1162.3	1160.7	1159.6	1158.3	1157.6	1156.9	1157.3	1156.6	1155.6	1155.9
22.5°	1166.4	1162.7	1159.3	1156.3	1153.6	1151.9	1150.2	1149.5	1147.8	1146.8	1146.8
25°	1172.8	1167.1	1161.7	1156.6	1152.6	1148.8	1145.1	1142.4	1140.4	1138.0	1137.4
27.5°	1187.0	1180.9	1174.5	1168.1	1162.7	1155.3	1150.2	1144.8	1140.1	1136.3	1133.6
30°	1208.9	1202.9	1196.4	1189.0	1181.9	1174.2	1165.7	1159.3	1152.6	1145.1	1141.1
32.5°	1238.0	1233.9	1227.5	1220.4	1214.0	1205.9	1195.8	1186.0	1179.6	1170.8	1164.4
35°	1279.5	1274.8	1272.7	1269.7	1263.3	1258.2	1247.1	1238.0	1231.9	1219.7	1215.0
37.5°	1336.2	1335.9	1337.6	1336.5	1337.6	1331.1	1326.1	1325.7	1317.0	1305.1	1293.7
40°	1413.5	1417.6	1426.7	1433.1	1439.2	1439.8	1446.9	1439.5	1440.5	1438.8	1427.0
42.5°	1501.6	1515.5	1526.3	1545.2	1559.7	1573.2	1582.3	1594.8	1604.3	1612.7	1614.7
45°	1599.9	1620.5	1645.4	1662.3	1690.7	1713.3	1744.4	1768.3	1793.3	1818.0	1826.7
47.5°	1706.5	1732.2	1759.9	1791.3	1827.1	1862.5	1910.5	1947.3	1987.4	2020.9	2050.6
50°	1824.4	1851.0	1888.2	1924.3	1973.6	2014.4	2077.2	2125.5	2190.3	2234.9	2273.4
52.5°	1947.3	1980.7	2022.2	2062.0	2112.3	2164.7	2234.6	2305.8	2383.8	2451.3	2507.3
55°	2067.4	2108.6	2148.5	2195.1	2250.8	2311.5	2390.5	2484.4	2581.6	2658.9	2733.2
57.5°	2174.5	2222.1	2269.0	2316.2	2373.3	2443.9	2532.6	2633.9	2745.3	2848.3	2950.3
60°	2273.7	2330.8	2388.2	2447.2	2512.7	2599.8	2706.5	2831.1	2975.2	3116.0	3249.4
62.5°	2430.7	2505.6	2576.9	2653.2	2732.2	2834.5	2960.4	3123.8	3289.2	3465.1	3601.8
65°	2643.4	2748.7	2841.9	2940.8	3043.1	3179.8	3330.4	3525.9	3762.8	3943.1	4162.6
67.5°	2749.0	2887.8	3007.6	3117.7	3244.3	3382.4	3561.3	3792.6	4045.4	4306.7	4551.5
69°	2624.8	2768.0	2900.6	3023.9	3151.8	3285.8	3472.9	3710.2	3977.6	4260.1	4499.1
70°	2463.8	2606.9	2748.4	2888.8	3005.6	3136.3	3324.0	3568.7	3835.8	4129.5	4366.5
72.5°	1887.5	2059.7	2187.6	2319.3	2454.7	2565.4	2782.1	2988.4	3266.6	3564.7	3825.6
75°	1207.6	1365.9	1505.7	1617.8	1750.1	1882.8	2042.8	2272.0	2446.2	2691.0	2902.7
77.5°	620.5	667.4	802.1	842.3	934.1	1006.4	1094.5	1151.9	1293.7	1323.7	1448.6
80°	294.0	265.0	249.5	235.3	239.4	237.7	230.6	221.1	232.9	227.9	225.9
82.5°	256.2	228.6	182.3	155.0	134.0	113.8	97.9	89.8	90.8	93.5	94.5
85°	179.6	168.8	131.7	99.9	78.0	60.4	48.6	46.6	47.9	51.7	50.3
87.5°	52.0	54.4	47.9	33.4	23.3	16.9	13.2	14.9	14.2	13.8	14.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9
2.5°	1005.0	1004.7	1003.7	1002.7	1002.7	1002.0	1002.7	1003.0	1002.7	1002.7	1002.0
5°	1016.5	1016.8	1017.9	1015.8	1015.5	1015.8	1014.5	1014.1	1013.1	1014.1	1012.8
7.5°	1038.4	1039.5	1039.5	1038.1	1037.8	1038.8	1036.8	1036.1	1035.1	1034.7	1034.4
10°	1071.2	1072.2	1070.5	1069.5	1068.5	1069.8	1068.2	1068.2	1067.1	1066.1	1065.8
12.5°	1107.7	1107.0	1106.3	1107.0	1106.0	1106.0	1105.0	1104.3	1103.9	1103.6	1102.9
15°	1136.0	1138.4	1138.4	1139.1	1138.4	1138.4	1137.0	1137.4	1136.7	1136.3	1136.7
17.5°	1154.2	1154.9	1156.6	1157.6	1157.6	1158.0	1157.3	1158.0	1157.3	1157.3	1158.6
20°	1156.6	1157.3	1159.0	1160.7	1161.7	1162.3	1162.3	1163.4	1164.0	1164.7	1166.4
22.5°	1147.2	1148.2	1150.2	1153.2	1154.9	1155.6	1156.9	1158.6	1160.3	1161.7	1164.0
25°	1137.4	1137.7	1139.7	1142.8	1144.8	1146.5	1148.8	1150.9	1153.2	1155.9	1158.6
27.5°	1132.0	1131.6	1133.3	1136.3	1138.0	1140.4	1142.4	1145.5	1148.2	1151.5	1153.9
30°	1136.7	1134.0	1134.3	1135.7	1137.0	1138.7	1141.1	1143.8	1146.8	1149.9	1152.6
32.5°	1157.6	1151.5	1147.5	1146.5	1146.8	1147.2	1148.5	1150.2	1152.6	1154.9	1155.9
35°	1202.9	1192.4	1187.0	1182.6	1178.9	1175.8	1176.5	1176.2	1176.2	1178.2	1175.8
37.5°	1288.9	1275.8	1270.0	1262.3	1257.9	1246.7	1243.7	1243.0	1238.6	1238.6	1233.6
40°	1424.0	1416.2	1411.8	1404.7	1383.5	1386.2	1371.0	1371.3	1358.8	1360.2	1351.4
42.5°	1616.1	1617.1	1611.7	1607.0	1590.4	1583.0	1568.8	1548.6	1532.7	1532.3	1514.8
45°	1838.2	1850.4	1833.1	1839.2	1824.7	1804.8	1788.2	1762.3	1737.6	1729.8	1712.0
47.5°	2070.5	2090.4	2077.2	2079.6	2072.5	2044.1	2021.9	1989.8	1957.7	1936.1	1925.3
50°	2318.6	2331.8	2331.4	2325.0	2321.7	2294.0	2258.2	2233.9	2210.2	2181.2	2171.8
52.5°	2543.5	2574.2	2594.8	2590.0	2580.2	2563.7	2532.0	2511.0	2476.3	2472.2	2476.3
55°	2784.2	2824.0	2844.9	2870.2	2870.6	2867.5	2854.4	2846.6	2814.2	2817.9	2813.2
57.5°	3012.0	3070.4	3102.5	3156.5	3175.1	3199.7	3190.6	3200.8	3181.2	3194.0	3190.3
60°	3320.9	3402.0	3455.3	3529.2	3563.7	3625.4	3637.6	3645.0	3655.8	3682.2	3667.3
62.5°	3709.5	3828.3	3939.1	4039.7	4072.8	4165.6	4180.8	4238.9	4241.9	4259.8	4227.0
65°	4345.5	4490.4	4612.2	4732.8	4802.3	4911.0	4954.9	5067.7	5033.2	5047.7	4977.9
67.5°	4762.1	4930.6	5094.0	5208.1	5323.6	5434.6	5514.6	5587.6	5586.9	5572.7	5510.6
69°	4725.3	4913.0	5074.1	5227.0	5348.5	5462.6	5558.9	5606.1	5622.7	5602.1	5557.8
70°	4598.1	4790.8	4988.0	5113.9	5246.2	5371.5	5470.7	5522.4	5533.9	5519.4	5481.2
72.5°	4010.0	4195.0	4412.4	4526.8	4686.9	4777.3	4914.1	4980.9	4992.7	4974.1	4949.2
75°	3129.5	3162.9	3384.4	3457.3	3573.5	3677.8	3762.8	3741.2	3801.7	3789.9	3780.4
77.5°	1474.3	1385.2	1528.6	1595.5	1560.4	1466.9	1602.9	1504.7	1569.8	1654.6	1633.0
80°	243.1	242.4	248.8	263.0	246.1	261.3	261.0	253.5	254.2	272.4	263.0
82.5°	93.5	95.5	96.6	99.3	99.3	99.6	101.3	103.3	101.6	105.0	104.3
85°	50.6	54.0	51.0	48.6	50.3	51.3	52.7	54.4	52.7	57.7	55.0
87.5°	13.2	13.8	12.2	12.2	11.8	10.8	10.8	11.5	12.5	14.9	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9
2.5°	1000.6	1001.0	1001.3	1000.3	999.6	999.6	999.3	998.6	998.3	998.3	998.3
5°	1012.1	1012.8	1011.1	1010.8	1010.1	1009.4	1009.4	1008.7	1009.1	1009.1	1007.4
7.5°	1035.1	1034.1	1032.0	1030.7	1032.0	1029.7	1028.7	1029.3	1028.7	1029.0	1028.3
10°	1065.8	1065.8	1063.4	1064.8	1063.1	1060.4	1061.4	1060.4	1059.7	1057.4	1058.7
12.5°	1103.9	1102.9	1101.6	1098.5	1097.5	1097.2	1094.1	1094.5	1093.5	1092.8	1091.8
15°	1137.4	1137.0	1134.0	1132.3	1132.0	1130.6	1129.3	1128.6	1126.9	1126.6	1125.9
17.5°	1159.6	1158.6	1157.3	1155.6	1155.6	1153.6	1152.9	1151.2	1150.9	1149.9	1148.8
20°	1167.1	1167.4	1166.1	1164.7	1164.0	1162.7	1161.7	1160.3	1159.6	1158.3	1157.3
22.5°	1165.4	1165.4	1164.0	1163.7	1162.3	1160.3	1159.0	1157.3	1155.6	1153.9	1151.9
25°	1160.0	1159.6	1158.6	1156.9	1155.3	1152.2	1149.5	1146.8	1144.5	1142.4	1139.4
27.5°	1155.3	1154.6	1152.6	1150.2	1146.8	1143.4	1138.4	1134.7	1131.6	1128.9	1125.5
30°	1153.6	1151.2	1148.2	1144.5	1140.4	1135.3	1129.9	1125.2	1121.8	1119.1	1117.8
32.5°	1155.6	1152.6	1147.8	1143.1	1138.0	1132.0	1126.6	1122.5	1119.5	1118.8	1118.8
35°	1174.2	1169.1	1162.7	1155.9	1149.5	1144.5	1140.7	1140.4	1138.4	1140.7	1144.5
37.5°	1228.5	1224.1	1214.3	1205.6	1201.2	1198.8	1195.4	1196.1	1191.4	1198.8	1204.9
40°	1344.0	1338.6	1327.1	1320.0	1311.2	1302.8	1309.5	1307.5	1310.9	1309.5	1316.0
42.5°	1512.4	1507.0	1488.8	1486.1	1482.4	1479.0	1479.0	1476.3	1475.0	1479.7	1474.3
45°	1717.4	1706.5	1699.8	1707.9	1696.8	1700.1	1712.0	1696.1	1699.8	1677.9	1657.6
47.5°	1930.0	1929.0	1927.3	1937.1	1938.8	1943.9	1950.3	1934.1	1904.7	1888.2	1847.0
50°	2174.8	2185.3	2189.3	2198.8	2202.8	2206.5	2196.4	2172.4	2122.8	2078.9	2030.3
52.5°	2472.2	2454.0	2479.0	2488.1	2484.0	2469.2	2432.7	2403.3	2334.8	2271.7	2196.4
55°	2818.6	2823.0	2805.4	2798.3	2784.5	2743.3	2693.0	2626.8	2540.1	2457.7	2362.5
57.5°	3171.4	3169.7	3142.3	3103.9	3056.9	3007.3	2932.4	2837.5	2736.2	2625.5	2510.4
60°	3600.5	3598.8	3543.4	3477.6	3410.7	3330.7	3213.2	3099.1	2963.4	2817.9	2680.9
62.5°	4164.3	4091.7	4037.3	3939.1	3835.8	3731.1	3572.1	3420.5	3239.2	3055.6	2895.6
65°	4886.7	4767.2	4705.4	4563.0	4402.9	4239.5	4077.8	3878.6	3634.6	3412.4	3217.0
67.5°	5421.1	5311.7	5198.6	5056.5	4881.0	4698.7	4477.2	4226.4	3949.2	3700.1	3487.0
69°	5468.0	5365.8	5230.0	5087.6	4921.5	4723.3	4481.6	4200.7	3919.8	3667.6	3458.0
70°	5396.8	5288.1	5145.3	4997.1	4811.4	4624.4	4371.2	4078.5	3797.3	3544.4	3339.8
72.5°	4865.4	4759.4	4607.5	4430.3	4239.9	4079.9	3839.5	3534.3	3228.4	2994.8	2835.5
75°	3699.7	3676.4	3568.7	3465.4	3315.5	3136.9	2917.2	2711.9	2461.1	2214.0	2065.4
77.5°	1578.6	1632.3	1688.3	1696.4	1701.8	1646.8	1612.7	1561.0	1393.3	1317.0	1238.3
80°	291.7	260.6	278.2	280.2	291.7	297.8	320.0	379.5	386.2	400.7	418.6
82.5°	103.6	105.3	108.0	109.0	110.1	114.1	129.3	155.0	178.3	208.6	249.1
85°	58.7	59.8	62.1	64.1	65.5	69.5	78.0	93.2	116.1	150.9	204.6
87.5°	17.9	20.3	21.6	24.3	25.3	26.0	29.7	39.8	51.3	76.0	110.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9	998.9
2.5°	998.3	997.9	997.3	996.6	996.9	996.2	994.2	993.5	991.2	989.5	988.1
5°	1007.4	1007.0	1005.7	1006.0	1005.7	1002.3	1000.0	995.9	993.5	989.8	988.5
7.5°	1026.3	1026.0	1023.6	1024.6	1023.9	1018.9	1014.8	1008.4	1005.0	1000.3	996.6
10°	1054.7	1054.7	1052.0	1052.3	1052.3	1045.5	1038.4	1027.6	1019.9	1012.5	1006.0
12.5°	1089.1	1087.7	1087.4	1085.7	1084.4	1076.9	1066.1	1051.6	1037.1	1024.9	1016.2
15°	1123.9	1121.8	1120.8	1118.8	1117.1	1110.4	1095.8	1077.9	1058.4	1038.8	1024.3
17.5°	1146.5	1145.1	1143.1	1142.4	1140.1	1133.3	1123.2	1105.3	1081.0	1053.6	1031.7
20°	1154.9	1152.6	1151.2	1149.9	1148.5	1143.8	1143.8	1132.3	1105.3	1066.8	1033.4
22.5°	1149.5	1148.2	1146.1	1145.1	1143.8	1144.5	1157.6	1155.9	1124.9	1069.8	1021.2
25°	1137.0	1135.3	1133.6	1133.6	1133.3	1140.4	1172.1	1176.5	1130.6	1055.0	994.6
27.5°	1124.2	1121.8	1122.5	1122.8	1124.5	1139.7	1188.0	1181.9	1115.1	1019.2	948.6
30°	1116.4	1116.4	1118.1	1120.8	1124.2	1150.9	1200.5	1169.8	1074.9	965.2	887.9
32.5°	1119.8	1123.2	1126.9	1133.6	1138.7	1175.5	1204.9	1138.4	1016.5	898.3	824.4
35°	1149.9	1153.9	1161.0	1171.5	1177.5	1211.0	1204.9	1092.5	948.6	841.0	758.9
37.5°	1215.3	1219.4	1227.8	1235.9	1242.0	1255.5	1199.8	1034.1	891.9	781.5	700.2
40°	1320.7	1326.4	1332.5	1331.1	1327.1	1313.9	1189.7	979.7	839.6	729.5	642.4
42.5°	1468.9	1463.5	1462.8	1449.6	1436.1	1379.8	1182.3	944.3	794.7	674.9	585.1
45°	1640.0	1618.1	1595.5	1577.9	1557.3	1452.0	1180.2	915.6	745.1	614.1	522.6
47.5°	1812.2	1777.1	1733.2	1705.9	1672.5	1529.0	1186.3	877.1	681.3	547.9	464.2
50°	1981.0	1923.6	1869.3	1836.5	1798.7	1617.4	1196.1	812.3	605.0	487.8	410.9
52.5°	2137.3	2063.4	2007.7	1969.2	1922.9	1720.4	1187.3	727.2	538.8	430.1	360.2
55°	2285.9	2204.2	2146.4	2105.9	2051.6	1823.7	1123.9	649.9	475.7	373.7	303.2
57.5°	2415.8	2337.5	2277.4	2222.4	2176.5	1913.5	998.6	586.1	414.9	309.2	241.4
60°	2567.8	2479.6	2408.4	2349.7	2295.7	1959.7	858.2	529.4	350.1	239.4	174.5
62.5°	2772.7	2671.4	2589.0	2521.8	2451.3	1969.9	762.3	472.6	277.8	173.2	126.9
65°	3076.5	2951.6	2848.6	2756.1	2660.6	1928.0	715.0	410.9	206.6	128.6	106.3
67.5°	3317.9	3188.3	3069.1	2950.3	2828.0	1850.4	704.6	353.8	158.7	109.4	95.5
69°	3288.5	3165.0	3055.6	2927.0	2791.6	1752.8	694.1	331.9	144.8	101.6	90.5
70°	3175.4	3058.3	2947.2	2842.6	2676.8	1644.1	666.4	319.7	139.4	97.9	86.8
72.5°	2683.2	2547.5	2439.8	2309.5	2135.0	1221.8	505.4	258.6	127.9	89.5	78.3
75°	1957.0	1844.6	1737.3	1593.1	1423.3	706.9	314.6	147.9	93.9	81.0	70.9
77.5°	1142.8	1117.4	1013.8	918.9	750.8	359.9	180.6	88.5	72.9	73.6	62.5
80°	430.1	458.1	468.6	435.8	402.8	248.5	131.3	71.9	63.5	72.6	53.0
82.5°	313.6	363.9	370.0	354.5	329.8	231.6	105.0	57.7	51.7	78.0	45.6
85°	261.6	289.7	294.0	277.8	269.7	196.1	73.3	40.5	37.8	56.0	34.1
87.5°	132.3	139.4	143.1	129.6	130.3	91.5	29.4	17.2	20.6	24.0	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VTS-E02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	998.9	998.9
2.5°	985.1	987.1
5°	986.5	986.5
7.5°	994.2	994.2
10°	1002.7	1003.0
12.5°	1010.4	1010.1
15°	1016.5	1015.5
17.5°	1020.2	1019.2
20°	1016.5	1014.8
22.5°	997.6	992.9
25°	963.2	957.1
27.5°	917.6	913.5
30°	858.2	852.1
32.5°	788.6	785.6
35°	722.1	718.4
37.5°	661.4	660.3
40°	610.0	604.6
42.5°	549.9	547.6
45°	488.8	487.5
47.5°	431.4	430.1
50°	378.4	375.7
52.5°	326.5	322.1
55°	268.7	265.7
57.5°	206.3	203.6
60°	145.2	142.1
62.5°	103.3	99.9
65°	86.1	83.4
67.5°	78.0	74.9
69°	74.3	71.6
70°	71.9	69.9
72.5°	66.8	65.5
75°	61.1	60.1
77.5°	53.7	52.0
80°	44.9	43.2
82.5°	37.8	36.1
85°	25.3	23.0
87.5°	11.5	10.1
90°	0.0	0.0

(END OF REPORT)