

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: P157874

Luminaire Tested: **VTS-F02-LED-E1-RW-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157874
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-F02-LED-E1-RW-7030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4698 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

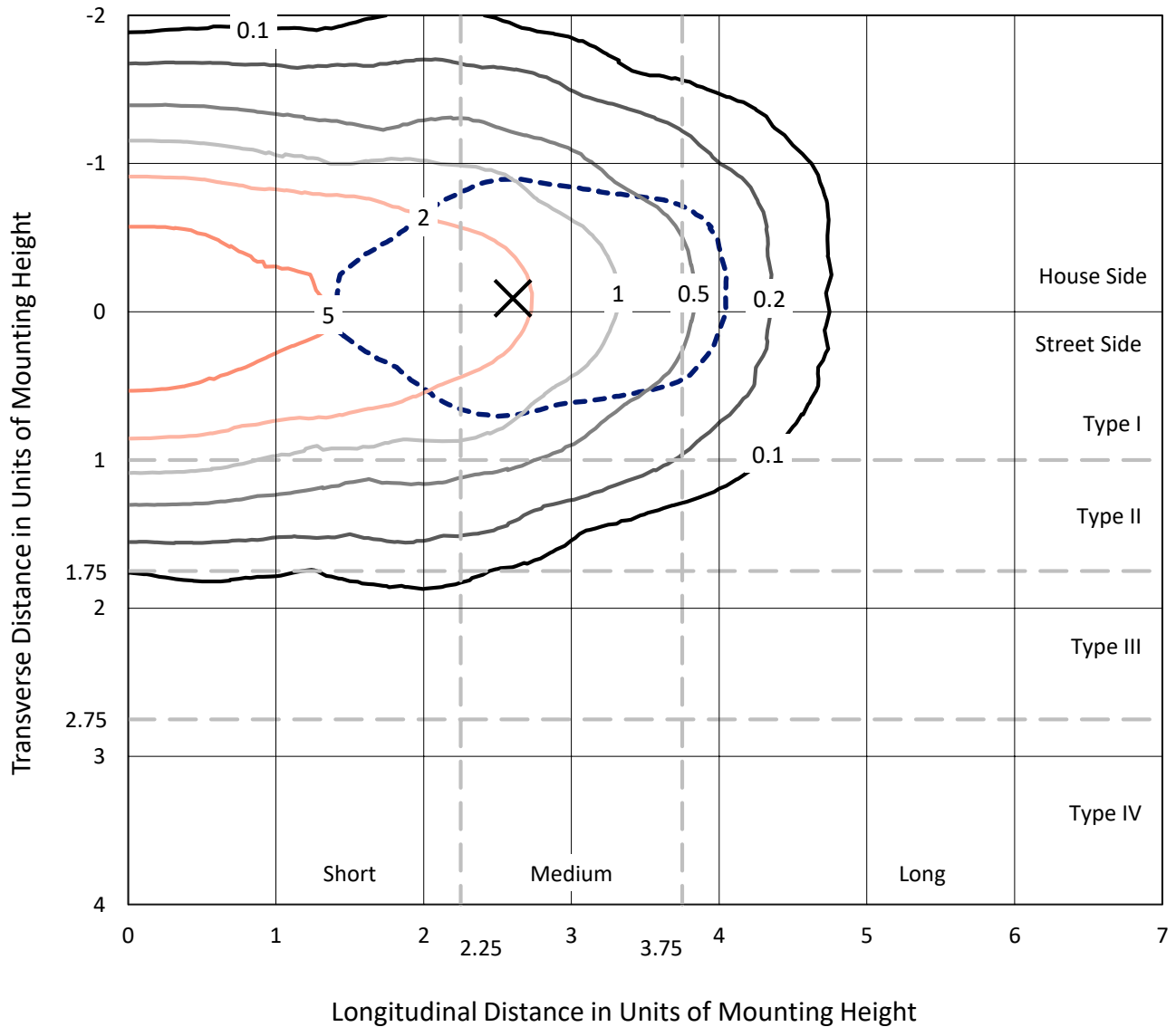
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

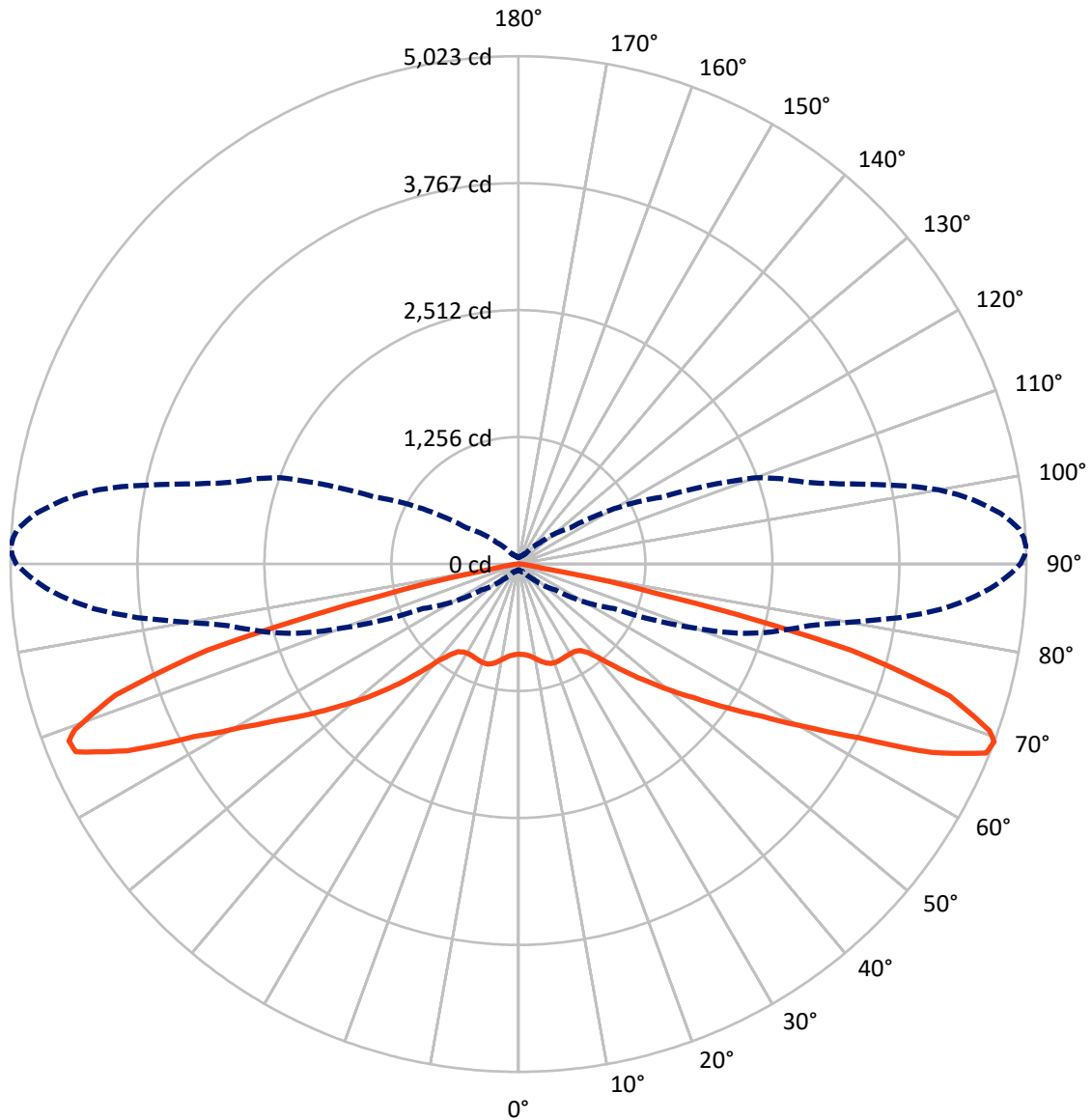


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type I - Short - Full Cutoff

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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	2491.6	0.0	2491.6
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	2206.4	0.0	2206.4
	% Fixture	47.0	0.0	47.0
Total	Lumens	4698.0	0.0	4698.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.9
10°-20°	275.9	5.9
20°-30°	447.6	9.5
30°-40°	557.8	11.9
40°-50°	694.5	14.8
50°-60°	856.5	18.2
60°-70°	1063.7	22.6
70°-80°	653.6	13.9
80°-90°	61.3	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°	4698.0	100.0
0°-180°	4698.0	100.0



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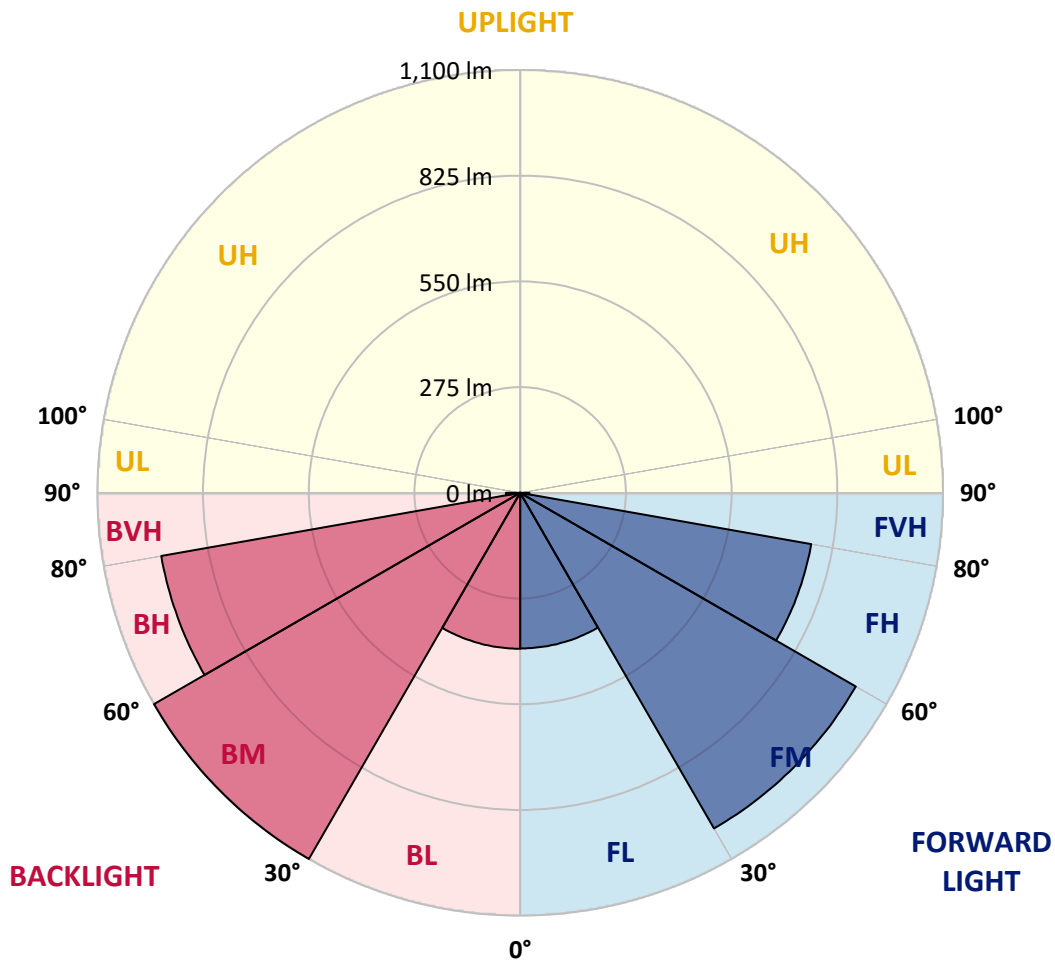
CATALOG NUMBER: VTS-F02-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.9	8.6			
FM	(30°-60°)	1008.5	21.5			
FH	(60°-80°)	769.0	16.4			G1/1800
FVH	(80°-90°)	24.0	0.5			G1/100
BL	(0°-30°)	405.8	8.6	B1/500		
BM	(30°-60°)	1100.3	23.4	B2/2500		
BH	(60°-80°)	948.3	20.2	B2/1000		G2/1000
BVH	(80°-90°)	37.3	0.8			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4
2.5°	906.6	904.2	906.3	906.6	906.3	906.3	903.6	903.0	899.4	900.3	900.0
5°	919.0	918.1	919.6	920.2	920.8	919.6	917.5	916.6	914.1	913.2	912.9
7.5°	930.4	928.9	931.3	933.4	935.0	935.3	935.6	934.0	934.0	932.8	932.8
10°	940.1	938.9	942.8	945.5	950.3	953.0	956.1	958.2	959.4	959.7	959.4
12.5°	944.3	943.4	949.7	957.9	966.9	973.3	980.8	986.2	987.7	987.4	988.9
15°	937.1	937.7	947.3	963.3	982.6	998.6	1009.1	1013.7	1014.9	1015.5	1015.8
17.5°	917.5	918.7	932.5	958.5	992.3	1021.2	1036.9	1036.9	1034.5	1034.5	1034.2
20°	886.1	887.3	905.4	942.8	992.6	1036.9	1059.2	1054.7	1045.6	1043.8	1042.0
22.5°	842.7	847.5	867.4	910.8	979.6	1041.4	1073.1	1066.4	1052.3	1048.4	1045.6
25°	793.5	792.9	816.7	865.6	948.2	1030.6	1077.0	1075.8	1060.7	1056.5	1051.7
27.5°	737.4	739.2	761.2	810.7	900.3	999.2	1070.4	1086.4	1074.0	1069.8	1065.2
30°	679.8	681.6	702.4	760.0	845.7	954.3	1056.8	1096.6	1091.8	1088.5	1085.4
32.5°	621.9	622.5	647.2	709.1	799.5	900.6	1036.3	1106.0	1112.6	1111.1	1109.9
35°	567.6	568.2	595.1	657.8	754.0	854.7	1011.6	1119.5	1140.9	1142.8	1144.0
37.5°	514.8	515.7	543.2	608.9	709.1	820.0	984.1	1140.3	1180.8	1187.4	1188.6
40°	462.3	463.3	489.5	559.2	663.5	789.6	963.0	1169.6	1234.4	1243.5	1252.8
42.5°	412.3	415.6	437.9	504.6	612.8	751.9	954.0	1205.2	1298.1	1312.3	1322.8
45°	365.5	365.8	391.2	453.6	552.8	700.9	947.9	1245.6	1369.3	1390.7	1405.1
47.5°	315.5	319.1	345.6	406.3	496.7	637.9	928.6	1292.9	1446.8	1471.8	1501.1
50°	266.9	272.0	297.7	357.7	445.5	572.7	876.7	1348.4	1533.9	1566.5	1600.3
52.5°	220.2	219.9	247.0	309.4	393.9	517.5	792.6	1406.7	1634.7	1669.6	1706.1
55°	166.5	166.5	193.3	250.3	338.1	468.4	702.4	1442.8	1728.2	1770.4	1810.2
57.5°	114.3	117.3	142.7	191.8	279.9	423.4	633.4	1422.0	1799.6	1852.1	1899.5
60°	84.7	87.8	106.5	137.8	219.0	370.4	581.5	1324.0	1842.8	1912.4	1974.0
62.5°	73.3	75.4	93.2	110.4	157.7	314.0	535.6	1199.5	1904.9	2000.2	2085.8
65°	65.4	67.6	85.4	95.3	123.4	252.4	510.0	1128.3	1979.1	2124.8	2249.0
67.5°	60.6	63.0	78.1	85.4	107.7	228.3	490.1	1111.7	1978.5	2155.2	2313.9
69°	58.2	60.0	72.4	80.2	104.1	221.1	447.0	1039.6	1847.9	2037.6	2196.8
70°	56.7	58.5	69.1	76.9	102.8	208.1	407.2	944.3	1699.2	1890.1	2051.8
72.5°	51.9	53.7	61.5	68.8	85.7	139.0	283.8	604.4	1214.2	1350.6	1535.4
75°	45.8	48.0	54.0	60.0	64.8	80.5	163.8	313.7	694.3	797.7	962.4
77.5°	37.4	39.5	45.8	55.5	54.9	61.2	106.5	192.7	325.1	403.2	464.2
80°	30.8	32.3	37.7	56.1	44.9	51.3	86.3	158.0	228.9	253.0	267.5
82.5°	20.5	22.6	29.3	44.0	34.4	36.5	64.5	147.8	193.6	212.3	229.8
85°	9.7	10.6	17.8	23.5	20.8	19.6	36.8	104.4	144.2	152.9	159.5
87.5°	0.0	0.0	0.9	1.8	2.7	2.7	6.6	22.0	40.4	48.9	48.3
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°	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4
2.5°	898.8	899.1	898.8	898.8	898.5	897.9	897.9	897.3	897.6	897.3	897.9
5°	912.6	912.6	911.7	911.1	912.0	911.1	911.4	909.9	909.9	909.0	907.8
7.5°	932.5	932.5	932.8	931.0	932.2	932.5	931.6	931.0	930.4	928.9	929.2
10°	959.1	959.1	960.0	957.6	958.8	959.4	959.7	959.7	959.1	956.4	956.7
12.5°	988.6	988.0	988.3	987.1	988.3	988.9	989.5	988.9	988.9	988.3	988.0
15°	1015.5	1015.2	1015.8	1014.9	1015.2	1015.8	1017.6	1017.3	1017.0	1015.2	1015.2
17.5°	1033.9	1033.0	1032.4	1032.1	1032.1	1031.8	1032.1	1032.1	1031.2	1030.9	1030.9
20°	1040.8	1038.4	1036.9	1036.0	1034.8	1034.2	1033.6	1033.9	1033.3	1032.4	1032.7
22.5°	1042.0	1038.7	1035.7	1033.0	1030.6	1029.1	1027.5	1026.9	1025.4	1024.5	1024.5
25°	1047.7	1042.6	1037.8	1033.3	1029.7	1026.3	1023.0	1020.6	1018.8	1016.7	1016.1
27.5°	1060.4	1055.0	1049.3	1043.5	1038.7	1032.1	1027.5	1022.7	1018.5	1015.2	1012.8
30°	1080.0	1074.6	1068.9	1062.2	1055.9	1049.0	1041.4	1035.7	1029.7	1023.0	1019.4
32.5°	1106.0	1102.3	1096.6	1090.3	1084.5	1077.3	1068.3	1059.5	1053.8	1045.9	1040.2
35°	1143.1	1138.8	1137.0	1134.3	1128.6	1124.1	1114.1	1106.0	1100.5	1089.7	1085.4
37.5°	1193.7	1193.4	1194.9	1194.0	1194.9	1189.2	1184.7	1184.4	1176.5	1166.0	1155.7
40°	1262.8	1266.4	1274.6	1280.3	1285.7	1286.3	1292.6	1286.0	1286.9	1285.4	1274.9
42.5°	1341.5	1353.9	1363.5	1380.4	1393.4	1405.4	1413.6	1424.7	1433.2	1440.7	1442.5
45°	1429.3	1447.7	1470.0	1485.1	1510.4	1530.6	1558.4	1579.8	1602.1	1624.1	1631.9
47.5°	1524.6	1547.5	1572.2	1600.3	1632.2	1663.9	1706.7	1739.6	1775.5	1805.4	1831.9
50°	1629.8	1653.7	1686.8	1719.1	1763.1	1799.6	1855.7	1898.9	1956.8	1996.6	2031.0
52.5°	1739.6	1769.5	1806.6	1842.2	1887.1	1933.8	1996.3	2059.9	2129.6	2189.9	2240.0
55°	1847.0	1883.8	1919.4	1961.0	2010.7	2065.0	2135.6	2219.5	2306.3	2375.4	2441.7
57.5°	1942.6	1985.1	2027.0	2069.3	2120.2	2183.3	2262.6	2353.1	2452.6	2544.6	2635.7
60°	2031.3	2082.2	2133.5	2186.3	2244.8	2322.6	2417.9	2529.2	2658.0	2783.7	2902.9
62.5°	2171.5	2238.5	2302.1	2370.3	2440.8	2532.2	2644.7	2790.7	2938.5	3095.6	3217.7
65°	2361.5	2455.6	2538.8	2627.2	2718.6	2840.7	2975.3	3149.9	3361.6	3522.7	3718.7
67.5°	2455.9	2579.9	2686.9	2785.3	2898.4	3021.7	3181.6	3388.1	3614.0	3847.5	4066.1
69°	2344.9	2472.8	2591.3	2701.4	2815.7	2935.4	3102.5	3314.6	3553.4	3805.9	4019.4
70°	2201.1	2328.9	2455.3	2580.8	2685.1	2801.8	2969.5	3188.2	3426.7	3689.1	3900.9
72.5°	1686.2	1840.0	1954.4	2072.0	2192.9	2291.8	2485.5	2669.7	2918.3	3184.6	3417.7
75°	1078.8	1220.3	1345.1	1445.3	1563.5	1682.0	1825.0	2029.8	2185.4	2404.0	2593.1
77.5°	554.3	596.3	716.6	752.5	834.5	899.1	977.8	1029.1	1155.7	1182.6	1294.2
80°	262.7	236.8	222.9	210.2	213.8	212.3	206.0	197.5	208.1	203.6	201.8
82.5°	228.9	204.2	162.9	138.4	119.7	101.6	87.5	80.2	81.1	83.5	84.4
85°	160.4	150.8	117.6	89.3	69.7	54.0	43.4	41.6	42.8	46.1	44.9
87.5°	46.4	48.6	42.8	29.9	20.8	15.1	11.8	13.3	12.7	12.4	13.0
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4
2.5°	897.9	897.6	896.6	895.7	895.7	895.1	895.7	896.0	895.7	895.7	895.1
5°	908.1	908.4	909.3	907.5	907.2	907.5	906.3	906.0	905.1	906.0	904.8
7.5°	927.7	928.6	928.6	927.4	927.1	928.0	926.2	925.6	924.7	924.4	924.1
10°	957.0	957.9	956.4	955.5	954.6	955.8	954.3	954.3	953.3	952.4	952.1
12.5°	989.5	988.9	988.3	988.9	988.0	988.0	987.1	986.5	986.2	985.9	985.3
15°	1014.9	1017.0	1017.0	1017.6	1017.0	1017.0	1015.8	1016.1	1015.5	1015.2	1015.5
17.5°	1031.2	1031.8	1033.3	1034.2	1034.2	1034.5	1033.9	1034.5	1033.9	1033.9	1035.1
20°	1033.3	1033.9	1035.4	1036.9	1037.8	1038.4	1038.4	1039.3	1039.9	1040.5	1042.0
22.5°	1024.8	1025.7	1027.5	1030.3	1031.8	1032.4	1033.6	1035.1	1036.6	1037.8	1039.9
25°	1016.1	1016.4	1018.2	1020.9	1022.7	1024.2	1026.3	1028.1	1030.3	1032.7	1035.1
27.5°	1011.3	1011.0	1012.5	1015.2	1016.7	1018.8	1020.6	1023.3	1025.7	1028.7	1030.9
30°	1015.5	1013.1	1013.4	1014.6	1015.8	1017.3	1019.4	1021.8	1024.5	1027.2	1029.7
32.5°	1034.2	1028.7	1025.1	1024.2	1024.5	1024.8	1026.0	1027.5	1029.7	1031.8	1032.7
35°	1074.6	1065.2	1060.4	1056.5	1053.2	1050.5	1051.1	1050.8	1050.8	1052.6	1050.5
37.5°	1151.5	1139.7	1134.6	1127.7	1123.8	1113.8	1111.1	1110.5	1106.6	1106.6	1102.0
40°	1272.1	1265.2	1261.3	1254.9	1235.9	1238.4	1224.8	1225.1	1213.9	1215.1	1207.3
42.5°	1443.7	1444.7	1439.8	1435.6	1420.8	1414.2	1401.5	1383.4	1369.3	1369.0	1353.3
45°	1642.2	1653.1	1637.7	1643.1	1630.1	1612.3	1597.6	1574.3	1552.3	1545.4	1529.4
47.5°	1849.7	1867.5	1855.7	1857.8	1851.5	1826.2	1806.3	1777.6	1749.0	1729.7	1720.0
50°	2071.4	2083.1	2082.8	2077.1	2074.1	2049.4	2017.4	1995.7	1974.6	1948.6	1940.2
52.5°	2272.2	2299.7	2318.1	2313.9	2305.1	2290.3	2262.0	2243.3	2212.2	2208.6	2212.2
55°	2487.3	2522.9	2541.6	2564.2	2564.5	2561.8	2550.0	2543.1	2514.1	2517.4	2513.2
57.5°	2690.9	2743.0	2771.7	2819.9	2836.5	2858.5	2850.4	2859.4	2842.0	2853.4	2850.1
60°	2966.8	3039.2	3086.8	3152.9	3183.7	3238.9	3249.7	3256.3	3266.0	3289.5	3276.3
62.5°	3314.0	3420.1	3519.0	3608.9	3638.5	3721.4	3735.0	3786.9	3789.6	3805.6	3776.3
65°	3882.2	4011.5	4120.4	4228.1	4290.2	4387.3	4426.5	4527.3	4496.5	4509.5	4447.1
67.5°	4254.3	4404.8	4550.8	4652.7	4755.9	4855.1	4926.6	4991.7	4991.1	4978.5	4923.0
69°	4221.5	4389.1	4533.0	4669.6	4778.2	4880.1	4966.1	5008.3	5023.1	5004.7	4965.2
70°	4107.8	4280.0	4456.1	4568.6	4686.8	4798.7	4887.4	4933.5	4943.8	4930.8	4896.7
72.5°	3582.4	3747.6	3941.9	4044.1	4187.1	4267.9	4390.1	4449.8	4460.3	4443.7	4421.4
75°	2795.8	2825.7	3023.5	3088.7	3192.4	3285.6	3361.6	3342.3	3396.3	3385.7	3377.3
77.5°	1317.1	1237.5	1365.6	1425.3	1394.0	1310.4	1432.0	1344.2	1402.4	1478.1	1458.8
80°	217.2	216.5	222.3	234.9	219.9	233.4	233.1	226.5	227.1	243.4	234.9
82.5°	83.5	85.4	86.3	88.7	88.7	89.0	90.5	92.3	90.8	93.8	93.2
85°	45.2	48.3	45.5	43.4	44.9	45.8	47.0	48.6	47.0	51.6	49.2
87.5°	11.8	12.4	10.9	10.9	10.6	9.7	9.7	10.3	11.2	13.3	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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4
2.5°	893.9	894.2	894.5	893.6	893.0	893.0	892.7	892.1	891.8	891.8	891.8
5°	904.2	904.8	903.3	903.0	902.4	901.8	901.8	901.2	901.5	901.5	900.0
7.5°	924.7	923.8	922.0	920.8	922.0	919.9	919.0	919.6	919.0	919.3	918.7
10°	952.1	952.1	950.0	951.2	949.7	947.3	948.2	947.3	946.7	944.6	945.8
12.5°	986.2	985.3	984.1	981.4	980.5	980.2	977.5	977.8	976.9	976.3	975.4
15°	1016.1	1015.8	1013.1	1011.6	1011.3	1010.0	1008.8	1008.2	1006.7	1006.4	1005.8
17.5°	1036.0	1035.1	1033.9	1032.4	1032.4	1030.6	1030.0	1028.4	1028.1	1027.2	1026.3
20°	1042.6	1042.9	1041.7	1040.5	1039.9	1038.7	1037.8	1036.6	1036.0	1034.8	1033.9
22.5°	1041.1	1041.1	1039.9	1039.6	1038.4	1036.6	1035.4	1033.9	1032.4	1030.9	1029.1
25°	1036.3	1036.0	1035.1	1033.6	1032.1	1029.4	1026.9	1024.5	1022.4	1020.6	1017.9
27.5°	1032.1	1031.5	1029.7	1027.5	1024.5	1021.5	1017.0	1013.7	1011.0	1008.5	1005.5
30°	1030.6	1028.4	1025.7	1022.4	1018.8	1014.3	1009.4	1005.2	1002.2	999.8	998.6
32.5°	1032.4	1029.7	1025.4	1021.2	1016.7	1011.3	1006.4	1002.8	1000.1	999.5	999.5
35°	1049.0	1044.4	1038.7	1032.7	1026.9	1022.4	1019.1	1018.8	1017.0	1019.1	1022.4
37.5°	1097.5	1093.6	1084.8	1077.0	1073.1	1071.0	1068.0	1068.6	1064.3	1071.0	1076.4
40°	1200.7	1195.8	1185.6	1179.2	1171.4	1163.9	1169.9	1168.1	1171.1	1169.9	1175.6
42.5°	1351.2	1346.3	1330.0	1327.6	1324.3	1321.3	1321.3	1318.9	1317.7	1321.9	1317.1
45°	1534.2	1524.6	1518.5	1525.8	1515.8	1518.8	1529.4	1515.2	1518.5	1498.9	1480.8
47.5°	1724.2	1723.3	1721.8	1730.6	1732.1	1736.6	1742.3	1727.9	1701.6	1686.8	1650.0
50°	1942.9	1952.2	1955.9	1964.3	1967.9	1971.2	1962.2	1940.8	1896.4	1857.2	1813.8
52.5°	2208.6	2192.3	2214.6	2222.8	2219.2	2205.9	2173.3	2147.1	2085.8	2029.4	1962.2
55°	2518.0	2522.0	2506.3	2499.9	2487.6	2450.8	2405.8	2346.7	2269.2	2195.6	2110.6
57.5°	2833.2	2831.7	2807.3	2772.9	2731.0	2686.6	2619.7	2534.9	2444.4	2345.5	2242.7
60°	3216.5	3215.0	3165.6	3106.8	3047.0	2975.6	2870.6	2768.7	2647.4	2517.4	2395.0
62.5°	3720.2	3655.4	3606.8	3519.0	3426.7	3333.3	3191.2	3055.8	2893.8	2729.8	2586.8
65°	4365.6	4258.9	4203.7	4076.4	3933.4	3787.5	3643.0	3465.1	3247.0	3048.5	2873.9
67.5°	4843.1	4745.3	4644.3	4517.3	4360.5	4197.6	3999.8	3775.7	3528.1	3305.5	3115.2
69°	4885.0	4793.6	4672.3	4545.1	4396.7	4219.6	4003.7	3752.8	3501.8	3276.6	3089.3
70°	4821.3	4724.2	4596.6	4464.2	4298.4	4131.3	3905.1	3643.6	3392.4	3166.5	2983.7
72.5°	4346.6	4251.9	4116.2	3957.9	3787.8	3644.8	3430.1	3157.4	2884.2	2675.5	2533.1
75°	3305.2	3284.4	3188.2	3095.9	2962.0	2802.4	2606.1	2422.7	2198.6	1977.9	1845.2
77.5°	1410.3	1458.2	1508.3	1515.5	1520.4	1471.2	1440.7	1394.6	1244.7	1176.5	1106.3
80°	260.6	232.8	248.5	250.3	260.6	266.0	285.9	339.0	345.0	358.0	374.0
82.5°	92.6	94.1	96.5	97.4	98.3	101.9	115.5	138.4	159.2	186.4	222.6
85°	52.5	53.4	55.5	57.3	58.5	62.1	69.7	83.2	103.7	134.8	182.8
87.5°	16.0	18.1	19.3	21.7	22.6	23.2	26.5	35.6	45.8	67.9	98.9
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-F02-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4	892.4
2.5°	891.8	891.5	890.9	890.3	890.6	890.0	888.2	887.6	885.5	884.0	882.8
5°	900.0	899.7	898.5	898.8	898.5	895.4	893.3	889.7	887.6	884.3	883.1
7.5°	916.9	916.6	914.4	915.3	914.7	910.2	906.6	900.9	897.9	893.6	890.3
10°	942.2	942.2	939.8	940.1	940.1	934.0	927.7	918.1	911.1	904.5	898.8
12.5°	973.0	971.7	971.4	969.9	968.7	962.1	952.4	939.5	926.5	915.6	907.8
15°	1004.0	1002.2	1001.3	999.5	998.0	992.0	979.0	963.0	945.5	928.0	915.0
17.5°	1024.2	1023.0	1021.2	1020.6	1018.5	1012.5	1003.4	987.4	965.7	941.3	921.7
20°	1031.8	1029.7	1028.4	1027.2	1026.0	1021.8	1021.8	1011.6	987.4	953.0	923.2
22.5°	1026.9	1025.7	1023.9	1023.0	1021.8	1022.4	1034.2	1032.7	1004.9	955.8	912.3
25°	1015.8	1014.3	1012.8	1012.8	1012.5	1018.8	1047.1	1051.1	1010.0	942.5	888.5
27.5°	1004.3	1002.2	1002.8	1003.1	1004.6	1018.2	1061.3	1055.9	996.2	910.5	847.5
30°	997.4	997.4	998.9	1001.3	1004.3	1028.1	1072.5	1045.0	960.3	862.3	793.2
32.5°	1000.4	1003.4	1006.7	1012.8	1017.3	1050.2	1076.4	1017.0	908.1	802.6	736.5
35°	1027.2	1030.9	1037.2	1046.5	1052.0	1081.8	1076.4	976.0	847.5	751.3	678.0
37.5°	1085.8	1089.4	1096.9	1104.1	1109.6	1121.6	1071.9	923.8	796.8	698.2	625.5
40°	1179.8	1185.0	1190.4	1189.2	1185.6	1173.8	1062.8	875.2	750.1	651.8	573.9
42.5°	1312.3	1307.4	1306.8	1295.1	1283.0	1232.6	1056.2	843.6	710.0	602.9	522.7
45°	1465.2	1445.6	1425.3	1409.7	1391.3	1297.2	1054.4	817.9	665.6	548.6	466.9
47.5°	1619.0	1587.6	1548.4	1524.0	1494.1	1365.9	1059.8	783.6	608.6	489.5	414.7
50°	1769.8	1718.5	1669.9	1640.7	1606.9	1445.0	1068.6	725.6	540.5	435.8	367.0
52.5°	1909.4	1843.4	1793.6	1759.2	1717.9	1536.9	1060.7	649.6	481.3	384.2	321.8
55°	2042.1	1969.1	1917.6	1881.4	1832.8	1629.2	1004.0	580.6	425.0	333.9	270.8
57.5°	2158.2	2088.3	2034.6	1985.4	1944.4	1709.5	892.1	523.6	370.7	276.3	215.6
60°	2293.9	2215.2	2151.6	2099.1	2050.9	1750.8	766.7	472.9	312.8	213.8	155.9
62.5°	2477.0	2386.5	2313.0	2252.9	2189.9	1759.8	681.0	422.2	248.2	154.7	113.4
65°	2748.5	2636.9	2544.9	2462.2	2376.9	1722.4	638.8	367.0	184.6	114.9	95.0
67.5°	2964.1	2848.3	2741.8	2635.7	2526.5	1653.1	629.4	316.1	141.8	97.7	85.4
69°	2937.9	2827.5	2729.8	2614.8	2493.9	1565.9	620.1	296.5	129.4	90.8	80.8
70°	2836.8	2732.2	2632.9	2539.5	2391.4	1468.8	595.4	285.6	124.6	87.5	77.5
72.5°	2397.1	2275.9	2179.6	2063.2	1907.3	1091.5	451.5	231.0	114.3	79.9	70.0
75°	1748.4	1647.9	1552.0	1423.2	1271.5	631.5	281.1	132.1	83.8	72.4	63.3
77.5°	1020.9	998.3	905.7	820.9	670.8	321.5	161.4	79.0	65.1	65.7	55.8
80°	384.2	409.3	418.6	389.4	359.8	222.0	117.3	64.2	56.7	64.8	47.4
82.5°	280.2	325.1	330.6	316.7	294.7	206.9	93.8	51.6	46.1	69.7	40.7
85°	233.7	258.8	262.7	248.2	241.0	175.2	65.4	36.2	33.8	50.1	30.5
87.5°	118.2	124.6	127.9	115.8	116.4	81.7	26.2	15.4	18.4	21.4	16.9
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-F02-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	892.4	892.4
2.5°	880.1	881.9
5°	881.3	881.3
7.5°	888.2	888.2
10°	895.7	896.0
12.5°	902.7	902.4
15°	908.1	907.2
17.5°	911.4	910.5
20°	908.1	906.6
22.5°	891.2	887.0
25°	860.5	855.0
27.5°	819.7	816.1
30°	766.7	761.2
32.5°	704.5	701.8
35°	645.1	641.8
37.5°	590.8	589.9
40°	545.0	540.2
42.5°	491.3	489.2
45°	436.7	435.5
47.5°	385.4	384.2
50°	338.1	335.7
52.5°	291.6	287.7
55°	240.1	237.4
57.5°	184.3	181.9
60°	129.7	127.0
62.5°	92.3	89.3
65°	76.9	74.5
67.5°	69.7	67.0
69°	66.4	63.9
70°	64.2	62.4
72.5°	59.7	58.5
75°	54.6	53.7
77.5°	48.0	46.4
80°	40.1	38.6
82.5°	33.8	32.3
85°	22.6	20.5
87.5°	10.3	9.0
90°	0.0	0.0

(END OF REPORT)