

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: P157873

Luminaire Tested: **VTS-F02-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157873
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-8030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4341.2 lumens
Efficiency: N/A
Efficacy: 78.9 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

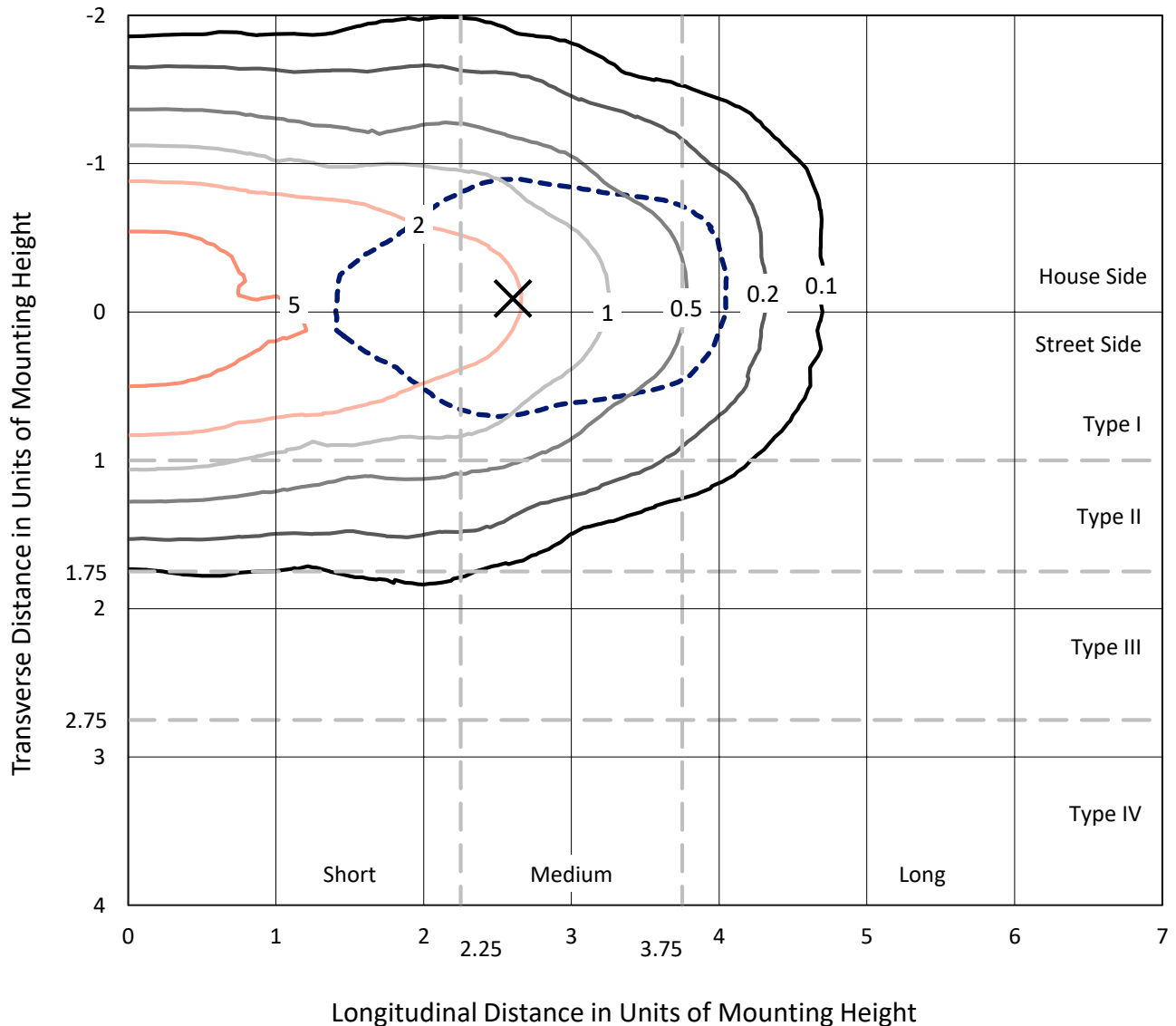
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

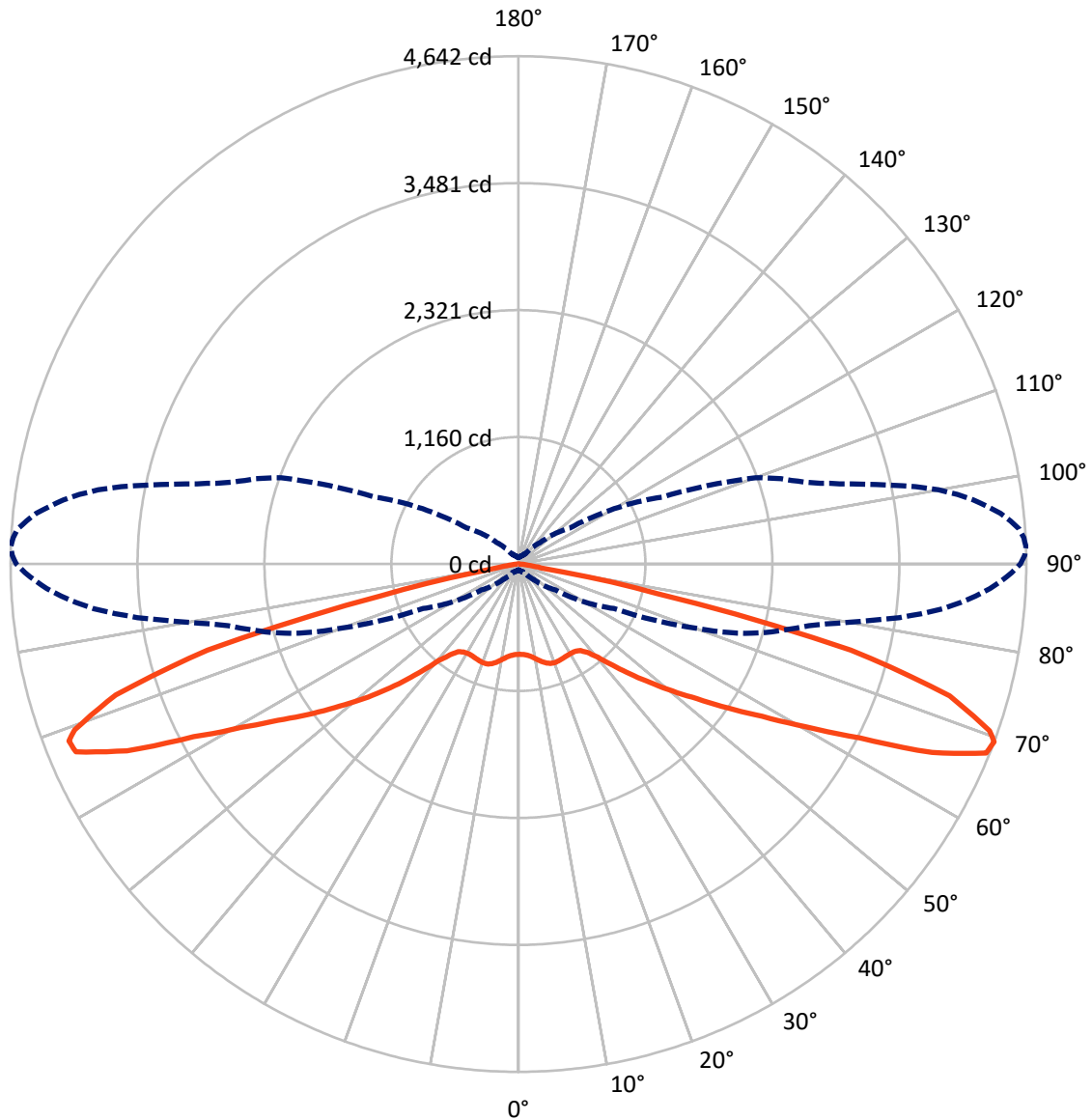


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2302.4	0.0	2302.4
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	2038.9	0.0	2038.9
	% Fixture	47.0	0.0	47.0
Total	Lumens	4341.2	0.0	4341.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	1.9
10°-20°	254.9	5.9
20°-30°	413.6	9.5
30°-40°	515.4	11.9
40°-50°	641.7	14.8
50°-60°	791.4	18.2
60°-70°	982.9	22.6
70°-80°	603.9	13.9
80°-90°	56.6	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°	4341.2	100.0
0°-180°	4341.2	100.0



REPORT NUMBER: P157873

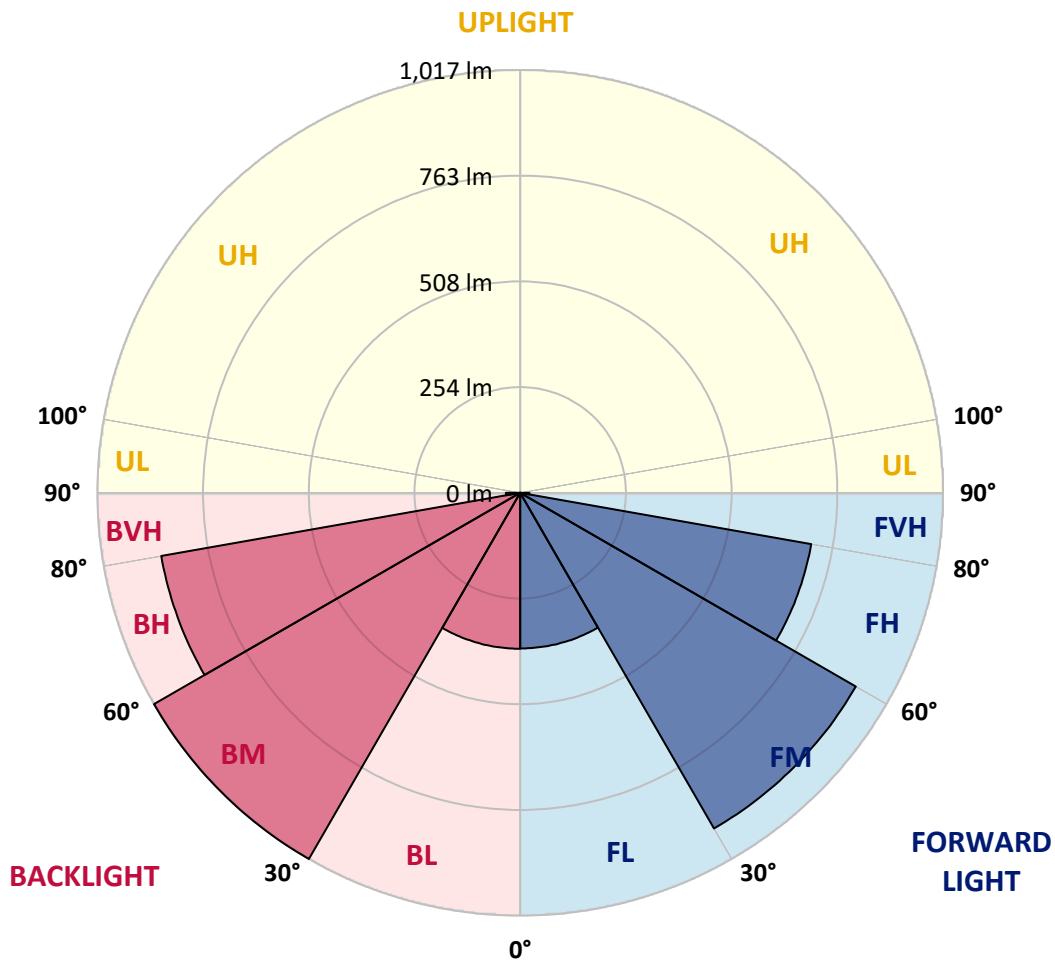
CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.2	8.6			
FM (30°-60°)	931.9	21.5			
FH (60°-80°)	710.6	16.4			G1/1800
FVH (80°-90°)	22.2	0.5			G1/100
BL (0°-30°)	375.0	8.6	B1/500		
BM (30°-60°)	1016.7	23.4	B2/2500		
BH (60°-80°)	876.3	20.2	B2/1000		G2/1000
BVH (80°-90°)	34.4	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





REPORT NUMBER: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7
2.5°	837.8	835.5	837.5	837.8	837.5	837.5	835.0	834.4	831.1	831.9	831.6
5°	849.2	848.3	849.7	850.3	850.9	849.7	847.8	847.0	844.7	843.9	843.6
7.5°	859.8	858.4	860.6	862.6	864.0	864.2	864.5	863.1	863.1	862.0	862.0
10°	868.7	867.6	871.2	873.7	878.2	880.7	883.5	885.4	886.5	886.8	886.5
12.5°	872.6	871.8	877.6	885.1	893.5	899.3	906.3	911.3	912.7	912.4	913.8
15°	865.9	866.5	875.4	890.1	908.0	922.8	932.5	936.7	937.8	938.4	938.6
17.5°	847.8	848.9	861.7	885.7	916.9	943.7	958.2	958.2	955.9	955.9	955.6
20°	818.8	819.9	836.6	871.2	917.2	958.2	978.8	974.6	966.2	964.6	962.9
22.5°	778.7	783.1	801.5	841.7	905.2	962.3	991.6	985.5	972.4	968.7	966.2
25°	733.2	732.7	754.7	799.9	876.2	952.3	995.2	994.1	980.2	976.3	971.8
27.5°	681.4	683.1	703.4	749.1	831.9	923.3	989.1	1003.9	992.4	988.5	984.3
30°	628.2	629.8	649.1	702.3	781.5	881.8	976.5	1013.3	1008.9	1005.8	1003.0
32.5°	574.7	575.2	598.1	655.2	738.8	832.2	957.6	1022.0	1028.1	1026.7	1025.6
35°	524.5	525.1	549.9	607.8	696.7	789.8	934.7	1034.5	1054.3	1056.0	1057.1
37.5°	475.7	476.6	501.9	562.7	655.2	757.8	909.4	1053.7	1091.1	1097.2	1098.3
40°	427.2	428.1	452.3	516.7	613.1	729.6	889.9	1080.8	1140.7	1149.1	1157.7
42.5°	381.0	384.0	404.7	466.3	566.3	694.8	881.5	1113.7	1199.5	1212.6	1222.4
45°	337.8	338.1	361.5	419.2	510.8	647.7	875.9	1151.0	1265.3	1285.1	1298.4
47.5°	291.5	294.9	319.4	375.4	459.0	589.4	858.1	1194.8	1336.9	1360.0	1387.1
50°	246.6	251.4	275.1	330.5	411.6	529.2	810.2	1246.0	1417.4	1447.5	1478.8
52.5°	203.4	203.2	228.3	285.9	364.0	478.2	732.4	1299.8	1510.5	1542.9	1576.6
55°	153.8	153.8	178.6	231.3	312.4	432.8	649.1	1333.3	1596.9	1635.9	1672.7
57.5°	105.6	108.4	131.8	177.2	258.6	391.3	585.3	1314.0	1663.0	1711.5	1755.2
60°	78.3	81.1	98.4	127.4	202.3	342.2	537.3	1223.5	1702.8	1767.2	1824.1
62.5°	67.7	69.7	86.1	102.0	145.8	290.1	495.0	1108.4	1760.2	1848.3	1927.4
65°	60.5	62.4	78.9	88.1	114.0	233.3	471.3	1042.6	1828.8	1963.4	2078.2
67.5°	56.0	58.2	72.2	78.9	99.5	211.0	452.9	1027.3	1828.2	1991.5	2138.1
69°	53.8	55.5	66.9	74.1	96.1	204.3	413.0	960.7	1707.6	1882.9	2030.0
70°	52.4	54.1	63.8	71.1	95.0	192.3	376.2	872.6	1570.2	1746.6	1896.0
72.5°	47.9	49.6	56.9	63.5	79.1	128.5	262.3	558.5	1122.0	1248.0	1418.8
75°	42.4	44.3	49.9	55.5	59.9	74.4	151.3	289.8	641.6	737.1	889.3
77.5°	34.6	36.5	42.4	51.3	50.7	56.6	98.4	178.1	300.4	372.6	428.9
80°	28.4	29.8	34.8	51.8	41.5	47.4	79.7	146.0	211.5	233.8	247.2
82.5°	19.0	20.9	27.0	40.7	31.8	33.7	59.6	136.6	178.9	196.2	212.4
85°	8.9	9.8	16.4	21.7	19.2	18.1	34.0	96.4	133.2	141.3	147.4
87.5°	0.0	0.0	0.8	1.7	2.5	2.5	6.1	20.3	37.3	45.1	44.6
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: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7
2.5°	830.5	830.8	830.5	830.5	830.2	829.7	829.7	829.1	829.4	829.1	829.7
5°	843.3	843.3	842.5	841.9	842.8	841.9	842.2	840.8	840.8	840.0	838.9
7.5°	861.7	861.7	862.0	860.3	861.4	861.7	860.9	860.3	859.8	858.4	858.7
10°	886.2	886.2	887.1	884.9	886.0	886.5	886.8	886.8	886.2	883.7	884.0
12.5°	913.6	913.0	913.3	912.2	913.3	913.8	914.4	913.8	913.8	913.3	913.0
15°	938.4	938.1	938.6	937.8	938.1	938.6	940.3	940.0	939.8	938.1	938.1
17.5°	955.4	954.5	954.0	953.7	953.7	953.4	953.7	953.7	952.9	952.6	952.6
20°	961.8	959.5	958.2	957.3	956.2	955.6	955.1	955.4	954.8	954.0	954.2
22.5°	962.9	959.8	957.0	954.5	952.3	950.9	949.5	949.0	947.6	946.7	946.7
25°	968.2	963.4	959.0	954.8	951.5	948.4	945.3	943.1	941.4	939.5	938.9
27.5°	979.9	974.9	969.6	964.3	959.8	953.7	949.5	945.1	941.2	938.1	935.9
30°	998.0	993.0	987.7	981.6	975.7	969.3	962.3	957.0	951.5	945.3	942.0
32.5°	1022.0	1018.6	1013.3	1007.5	1002.2	995.5	987.1	979.1	973.8	966.5	961.2
35°	1056.3	1052.3	1050.7	1048.2	1042.9	1038.7	1029.5	1022.0	1017.0	1006.9	1003.0
37.5°	1103.1	1102.8	1104.2	1103.4	1104.2	1098.9	1094.7	1094.4	1087.2	1077.4	1068.0
40°	1166.9	1170.2	1177.8	1183.1	1188.1	1188.6	1194.5	1188.4	1189.2	1187.8	1178.0
42.5°	1239.6	1251.1	1260.0	1275.6	1287.6	1298.7	1306.2	1316.6	1324.4	1331.3	1333.0
45°	1320.7	1337.7	1358.4	1372.3	1395.7	1414.4	1440.0	1459.8	1480.4	1500.8	1508.0
47.5°	1408.8	1430.0	1452.8	1478.8	1508.3	1537.6	1577.1	1607.5	1640.7	1668.3	1692.8
50°	1506.1	1528.1	1558.7	1588.6	1629.2	1663.0	1714.8	1754.7	1808.2	1845.0	1876.7
52.5°	1607.5	1635.1	1669.4	1702.3	1743.8	1787.0	1844.7	1903.5	1967.9	2023.6	2069.9
55°	1706.7	1740.7	1773.6	1812.1	1858.1	1908.2	1973.4	2050.9	2131.2	2195.0	2256.3
57.5°	1795.1	1834.4	1873.1	1912.1	1959.2	2017.5	2090.8	2174.4	2266.3	2351.3	2435.5
60°	1877.0	1924.1	1971.5	2020.3	2074.3	2146.2	2234.3	2337.1	2456.1	2572.3	2682.4
62.5°	2006.6	2068.5	2127.3	2190.3	2255.5	2339.9	2443.9	2578.8	2715.3	2860.5	2973.4
65°	2182.2	2269.1	2346.0	2427.7	2512.1	2625.0	2749.3	2910.7	3106.3	3255.1	3436.3
67.5°	2269.4	2384.0	2482.9	2573.7	2678.3	2792.2	2939.9	3130.9	3339.6	3555.3	3757.4
69°	2166.8	2285.0	2394.5	2496.3	2601.9	2712.5	2866.9	3062.8	3283.6	3516.8	3714.2
70°	2033.9	2152.1	2268.8	2384.8	2481.2	2589.1	2744.0	2946.1	3166.5	3409.0	3604.6
72.5°	1558.2	1700.3	1805.9	1914.6	2026.4	2117.8	2296.7	2467.0	2696.6	2942.7	3158.2
75°	996.9	1127.6	1243.0	1335.5	1444.8	1554.3	1686.4	1875.6	2019.4	2221.5	2396.2
77.5°	512.2	551.0	662.2	695.3	771.1	830.8	903.5	950.9	1068.0	1092.8	1195.9
80°	242.7	218.8	206.0	194.2	197.6	196.2	190.3	182.5	192.3	188.1	186.4
82.5°	211.5	188.7	150.5	127.9	110.6	93.9	80.8	74.1	75.0	77.2	78.0
85°	148.3	139.3	108.7	82.5	64.4	49.9	40.1	38.5	39.6	42.6	41.5
87.5°	42.9	44.9	39.6	27.6	19.2	13.9	10.9	12.3	11.7	11.4	12.0
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: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7
2.5°	829.7	829.4	828.6	827.7	827.7	827.2	827.7	828.0	827.7	827.7	827.2
5°	839.1	839.4	840.3	838.6	838.3	838.6	837.5	837.2	836.4	837.2	836.1
7.5°	857.3	858.1	858.1	857.0	856.7	857.5	855.9	855.3	854.5	854.2	853.9
10°	884.3	885.1	883.7	882.9	882.1	883.2	881.8	881.8	881.0	880.1	879.8
12.5°	914.4	913.8	913.3	913.8	913.0	913.0	912.2	911.6	911.3	911.1	910.5
15°	937.8	939.8	939.8	940.3	939.8	939.8	938.6	938.9	938.4	938.1	938.4
17.5°	952.9	953.4	954.8	955.6	955.6	955.9	955.4	955.9	955.4	955.4	956.5
20°	954.8	955.4	956.8	958.2	959.0	959.5	959.5	960.4	960.9	961.5	962.9
22.5°	947.0	947.8	949.5	952.0	953.4	954.0	955.1	956.5	957.9	959.0	960.9
25°	938.9	939.2	940.9	943.4	945.1	946.4	948.4	950.1	952.0	954.2	956.5
27.5°	934.5	934.2	935.6	938.1	939.5	941.4	943.1	945.6	947.8	950.6	952.6
30°	938.4	936.1	936.4	937.5	938.6	940.0	942.0	944.2	946.7	949.2	951.5
32.5°	955.6	950.6	947.3	946.4	946.7	947.0	948.1	949.5	951.5	953.4	954.2
35°	993.0	984.3	979.9	976.3	973.2	970.7	971.2	971.0	971.0	972.6	970.7
37.5°	1064.1	1053.2	1048.4	1042.0	1038.4	1029.2	1026.7	1026.2	1022.5	1022.5	1018.3
40°	1175.5	1169.1	1165.5	1159.6	1142.1	1144.3	1131.8	1132.1	1121.7	1122.9	1115.6
42.5°	1334.1	1334.9	1330.5	1326.6	1312.9	1306.8	1295.1	1278.4	1265.3	1265.0	1250.5
45°	1517.5	1527.5	1513.3	1518.3	1506.3	1489.9	1476.2	1454.8	1434.4	1428.0	1413.3
47.5°	1709.2	1725.7	1714.8	1716.8	1710.9	1687.5	1669.1	1642.6	1616.1	1598.3	1589.4
50°	1914.1	1924.9	1924.7	1919.4	1916.6	1893.7	1864.2	1844.1	1824.6	1800.6	1792.8
52.5°	2099.7	2125.0	2142.0	2138.1	2130.1	2116.4	2090.2	2072.9	2044.2	2040.9	2044.2
55°	2298.4	2331.3	2348.6	2369.5	2369.7	2367.2	2356.4	2349.9	2323.2	2326.3	2322.4
57.5°	2486.5	2534.7	2561.2	2605.8	2621.1	2641.5	2633.9	2642.3	2626.1	2636.7	2633.7
60°	2741.5	2808.4	2852.4	2913.5	2941.9	2992.9	3002.9	3009.1	3018.0	3039.7	3027.5
62.5°	3062.3	3160.4	3251.8	3334.9	3362.2	3438.8	3451.3	3499.3	3501.8	3516.6	3489.5
65°	3587.4	3706.9	3807.5	3907.0	3964.4	4054.2	4090.4	4183.5	4155.1	4167.0	4109.3
67.5°	3931.3	4070.3	4205.2	4299.4	4394.7	4486.4	4552.5	4612.7	4612.1	4600.4	4549.1
69°	3900.9	4055.8	4188.8	4315.0	4415.4	4509.6	4589.0	4628.0	4641.7	4624.7	4588.1
70°	3795.8	3954.9	4117.7	4221.7	4330.9	4434.3	4516.2	4558.9	4568.4	4556.4	4524.9
72.5°	3310.3	3463.1	3642.5	3737.0	3869.1	3943.8	4056.7	4111.9	4121.6	4106.3	4085.7
75°	2583.5	2611.1	2793.9	2854.1	2950.0	3036.1	3106.3	3088.5	3138.4	3128.6	3120.8
77.5°	1217.1	1143.5	1261.9	1317.1	1288.1	1210.9	1323.2	1242.1	1295.9	1365.9	1348.0
80°	200.7	200.1	205.4	217.1	203.2	215.7	215.4	209.3	209.9	224.9	217.1
82.5°	77.2	78.9	79.7	81.9	81.9	82.2	83.6	85.3	83.9	86.7	86.1
85°	41.8	44.6	42.1	40.1	41.5	42.4	43.5	44.9	43.5	47.7	45.4
87.5°	10.9	11.4	10.0	10.0	9.8	8.9	8.9	9.5	10.3	12.3	13.4
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: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7
2.5°	826.0	826.3	826.6	825.8	825.2	825.2	824.9	824.4	824.1	824.1	824.1
5°	835.5	836.1	834.7	834.4	833.9	833.3	833.3	832.7	833.0	833.0	831.6
7.5°	854.5	853.6	852.0	850.9	852.0	850.0	849.2	849.7	849.2	849.5	848.9
10°	879.8	879.8	877.9	879.0	877.6	875.4	876.2	875.4	874.8	872.9	874.0
12.5°	911.3	910.5	909.4	906.9	906.0	905.8	903.2	903.5	902.7	902.1	901.3
15°	938.9	938.6	936.1	934.7	934.5	933.3	932.2	931.7	930.3	930.0	929.4
17.5°	957.3	956.5	955.4	954.0	954.0	952.3	951.7	950.3	950.1	949.2	948.4
20°	963.4	963.7	962.6	961.5	960.9	959.8	959.0	957.9	957.3	956.2	955.4
22.5°	962.1	962.1	960.9	960.7	959.5	957.9	956.8	955.4	954.0	952.6	950.9
25°	957.6	957.3	956.5	955.1	953.7	951.2	949.0	946.7	944.8	943.1	940.6
27.5°	953.7	953.1	951.5	949.5	946.7	943.9	939.8	936.7	934.2	932.0	929.2
30°	952.3	950.3	947.8	944.8	941.4	937.2	932.8	928.9	926.1	923.9	922.8
32.5°	954.0	951.5	947.6	943.7	939.5	934.5	930.0	926.7	924.2	923.6	923.6
35°	969.3	965.1	959.8	954.2	949.0	944.8	941.7	941.4	939.8	941.7	944.8
37.5°	1014.2	1010.5	1002.5	995.2	991.6	989.6	986.9	987.4	983.5	989.6	994.7
40°	1109.5	1105.0	1095.5	1089.7	1082.4	1075.5	1081.1	1079.4	1082.2	1081.1	1086.4
42.5°	1248.6	1244.1	1229.0	1226.8	1223.7	1221.0	1221.0	1218.7	1217.6	1221.5	1217.1
45°	1417.7	1408.8	1403.2	1409.9	1400.7	1403.5	1413.3	1400.2	1403.2	1385.1	1368.4
47.5°	1593.3	1592.5	1591.1	1599.1	1600.5	1604.7	1610.0	1596.6	1572.4	1558.7	1524.7
50°	1795.3	1804.0	1807.3	1815.1	1818.5	1821.5	1813.2	1793.4	1752.4	1716.2	1676.1
52.5°	2040.9	2025.8	2046.5	2054.0	2050.6	2038.4	2008.3	1984.0	1927.4	1875.3	1813.2
55°	2326.8	2330.4	2315.9	2310.1	2298.7	2264.7	2223.1	2168.5	2096.9	2028.9	1950.3
57.5°	2618.1	2616.7	2594.1	2562.3	2523.6	2482.6	2420.7	2342.4	2258.8	2167.4	2072.4
60°	2972.3	2970.9	2925.2	2870.8	2815.6	2749.6	2652.6	2558.4	2446.4	2326.3	2213.1
62.5°	3437.7	3377.8	3332.9	3251.8	3166.5	3080.1	2948.9	2823.7	2674.1	2522.5	2390.4
65°	4034.1	3935.4	3884.4	3766.8	3634.7	3499.8	3366.3	3201.9	3000.4	2817.0	2655.7
67.5°	4475.3	4385.0	4291.6	4174.3	4029.4	3878.9	3696.0	3489.0	3260.2	3054.5	2878.6
69°	4514.0	4429.6	4317.5	4199.9	4062.8	3899.2	3699.7	3467.8	3235.9	3027.7	2854.7
70°	4455.2	4365.5	4247.6	4125.2	3972.0	3817.6	3608.5	3366.9	3134.8	2926.0	2757.1
72.5°	4016.5	3929.0	3803.6	3657.3	3500.1	3368.0	3169.6	2917.6	2665.2	2472.3	2340.8
75°	3054.2	3035.0	2946.1	2860.8	2737.1	2589.6	2408.2	2238.8	2031.7	1827.7	1705.1
77.5°	1303.2	1347.5	1393.7	1400.4	1404.9	1359.5	1331.3	1288.7	1150.2	1087.2	1022.3
80°	240.8	215.2	229.6	231.3	240.8	245.8	264.2	313.3	318.8	330.8	345.6
82.5°	85.6	87.0	89.2	90.0	90.9	94.2	106.7	127.9	147.2	172.2	205.7
85°	48.5	49.3	51.3	53.0	54.1	57.4	64.4	76.9	95.9	124.6	168.9
87.5°	14.8	16.7	17.8	20.1	20.9	21.5	24.5	32.9	42.4	62.7	91.4
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: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7	824.7
2.5°	824.1	823.8	823.3	822.7	823.0	822.4	820.8	820.2	818.2	816.9	815.7
5°	831.6	831.3	830.2	830.5	830.2	827.4	825.5	822.1	820.2	817.1	816.0
7.5°	847.2	847.0	845.0	845.8	845.3	841.1	837.8	832.5	829.7	825.8	822.7
10°	870.6	870.6	868.4	868.7	868.7	863.1	857.3	848.3	841.9	835.8	830.5
12.5°	899.1	898.0	897.7	896.3	895.2	889.0	880.1	868.1	856.1	846.1	838.9
15°	927.8	926.1	925.3	923.6	922.2	916.6	904.6	889.9	873.7	857.5	845.6
17.5°	946.4	945.3	943.7	943.1	941.2	935.6	927.2	912.4	892.4	869.8	851.7
20°	953.4	951.5	950.3	949.2	948.1	944.2	944.2	934.7	912.4	880.7	853.1
22.5°	949.0	947.8	946.2	945.3	944.2	944.8	955.6	954.2	928.6	883.2	843.1
25°	938.6	937.2	935.9	935.9	935.6	941.4	967.6	971.2	933.3	870.9	821.0
27.5°	928.1	926.1	926.7	926.9	928.3	940.9	980.7	975.7	920.5	841.4	783.1
30°	921.6	921.6	923.0	925.3	928.1	950.1	991.0	965.7	887.4	796.8	733.0
32.5°	924.4	927.2	930.3	935.9	940.0	970.4	994.7	939.8	839.1	741.6	680.6
35°	949.2	952.6	958.4	967.1	972.1	999.7	994.7	901.9	783.1	694.2	626.5
37.5°	1003.3	1006.6	1013.6	1020.3	1025.3	1036.5	990.5	853.6	736.3	645.2	578.0
40°	1090.3	1095.0	1100.0	1098.9	1095.5	1084.7	982.1	808.8	693.1	602.3	530.4
42.5°	1212.6	1208.1	1207.6	1196.7	1185.6	1139.0	976.0	779.5	656.0	557.1	483.0
45°	1353.9	1335.8	1317.1	1302.6	1285.6	1198.7	974.3	755.8	615.1	506.9	431.4
47.5°	1496.0	1467.0	1430.8	1408.2	1380.7	1262.2	979.3	724.0	562.4	452.3	383.2
50°	1635.4	1588.0	1543.1	1516.1	1484.9	1335.2	987.4	670.5	499.4	402.7	339.2
52.5°	1764.4	1703.4	1657.4	1625.6	1587.4	1420.2	980.2	600.3	444.8	355.1	297.4
55°	1887.0	1819.6	1771.9	1738.5	1693.6	1505.5	927.8	536.5	392.7	308.5	250.3
57.5°	1994.3	1929.7	1880.1	1834.6	1796.7	1579.6	824.4	483.8	342.5	255.3	199.3
60°	2119.7	2047.0	1988.2	1939.7	1895.1	1617.8	708.4	437.0	289.0	197.6	144.1
62.5°	2288.9	2205.3	2137.3	2081.8	2023.6	1626.2	629.3	390.2	229.4	143.0	104.8
65°	2539.7	2436.6	2351.6	2275.3	2196.4	1591.6	590.3	339.2	170.6	106.2	87.8
67.5°	2739.0	2632.0	2533.6	2435.5	2334.6	1527.5	581.6	292.1	131.0	90.3	78.9
69°	2714.8	2612.8	2522.5	2416.3	2304.5	1447.0	573.0	274.0	119.6	83.9	74.7
70°	2621.4	2524.7	2433.0	2346.6	2209.8	1357.2	550.1	263.9	115.1	80.8	71.6
72.5°	2215.1	2103.0	2014.1	1906.5	1762.5	1008.6	417.2	213.5	105.6	73.9	64.7
75°	1615.6	1522.8	1434.2	1315.2	1175.0	583.6	259.7	122.1	77.5	66.9	58.5
77.5°	943.4	922.5	836.9	758.6	619.8	297.1	149.1	73.0	60.2	60.8	51.6
80°	355.1	378.2	386.8	359.8	332.5	205.1	108.4	59.4	52.4	59.9	43.8
82.5°	258.9	300.4	305.4	292.6	272.3	191.2	86.7	47.7	42.6	64.4	37.6
85°	216.0	239.1	242.7	229.4	222.7	161.9	60.5	33.4	31.2	46.3	28.1
87.5°	109.2	115.1	118.2	107.0	107.6	75.5	24.2	14.2	17.0	19.8	15.6
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: P157873

CATALOG NUMBER: VTS-F02-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	824.7	824.7
2.5°	813.2	814.9
5°	814.3	814.3
7.5°	820.8	820.8
10°	827.7	828.0
12.5°	834.1	833.9
15°	839.1	838.3
17.5°	842.2	841.4
20°	839.1	837.8
22.5°	823.5	819.6
25°	795.1	790.1
27.5°	757.5	754.1
30°	708.4	703.4
32.5°	651.0	648.5
35°	596.1	593.1
37.5°	546.0	545.1
40°	503.6	499.1
42.5°	454.0	452.0
45°	403.5	402.4
47.5°	356.2	355.1
50°	312.4	310.2
52.5°	269.5	265.9
55°	221.8	219.3
57.5°	170.3	168.1
60°	119.8	117.3
62.5°	85.3	82.5
65°	71.1	68.8
67.5°	64.4	61.9
69°	61.3	59.1
70°	59.4	57.7
72.5°	55.2	54.1
75°	50.4	49.6
77.5°	44.3	42.9
80°	37.1	35.7
82.5°	31.2	29.8
85°	20.9	19.0
87.5°	9.5	8.4
90°	0.0	0.0

(END OF REPORT)