

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: P158764

Luminaire Tested: **VTS-F03-LED-E1-SLL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158764
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F03-LED-E1-SLL-7030
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6078.6 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

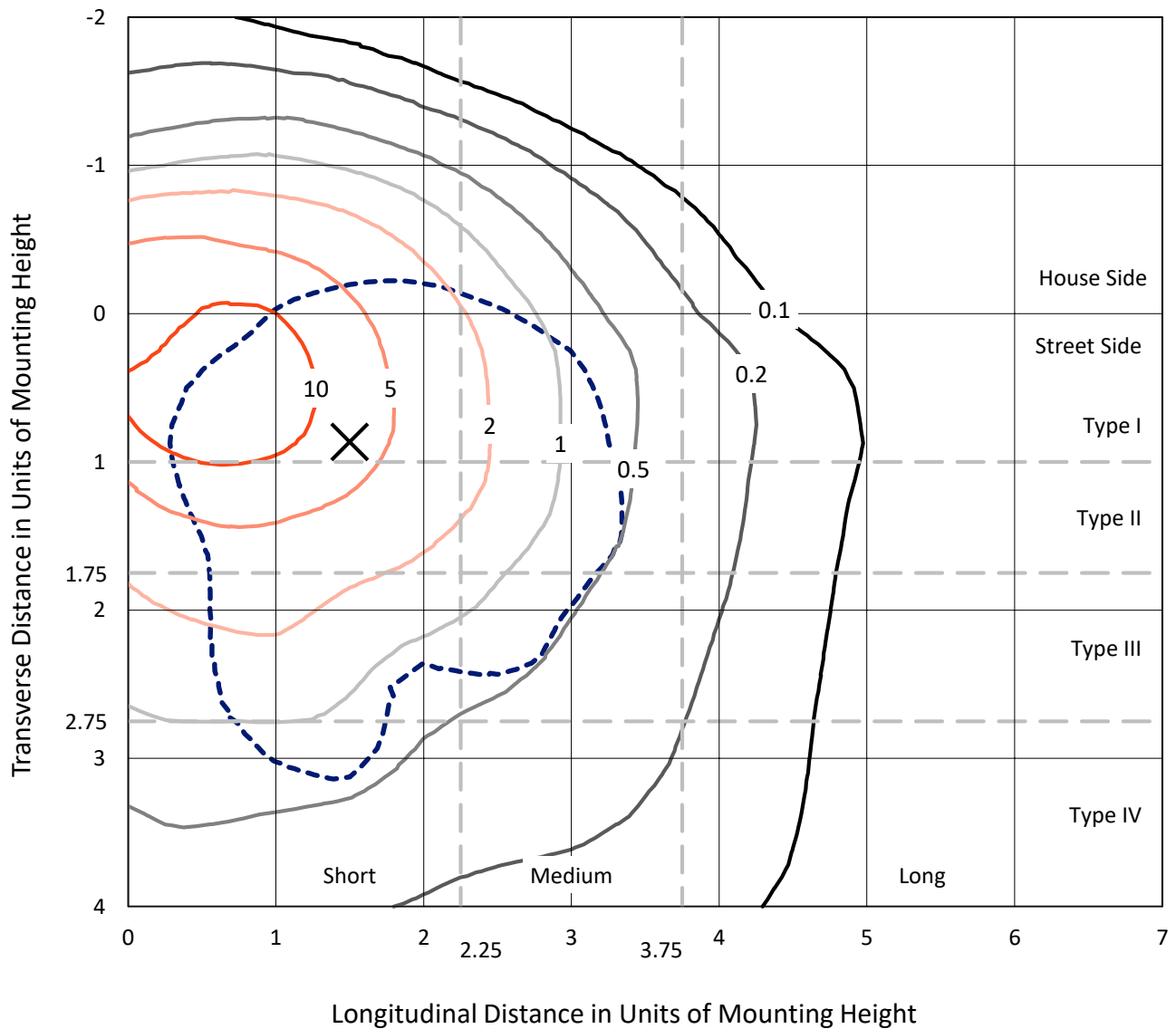
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

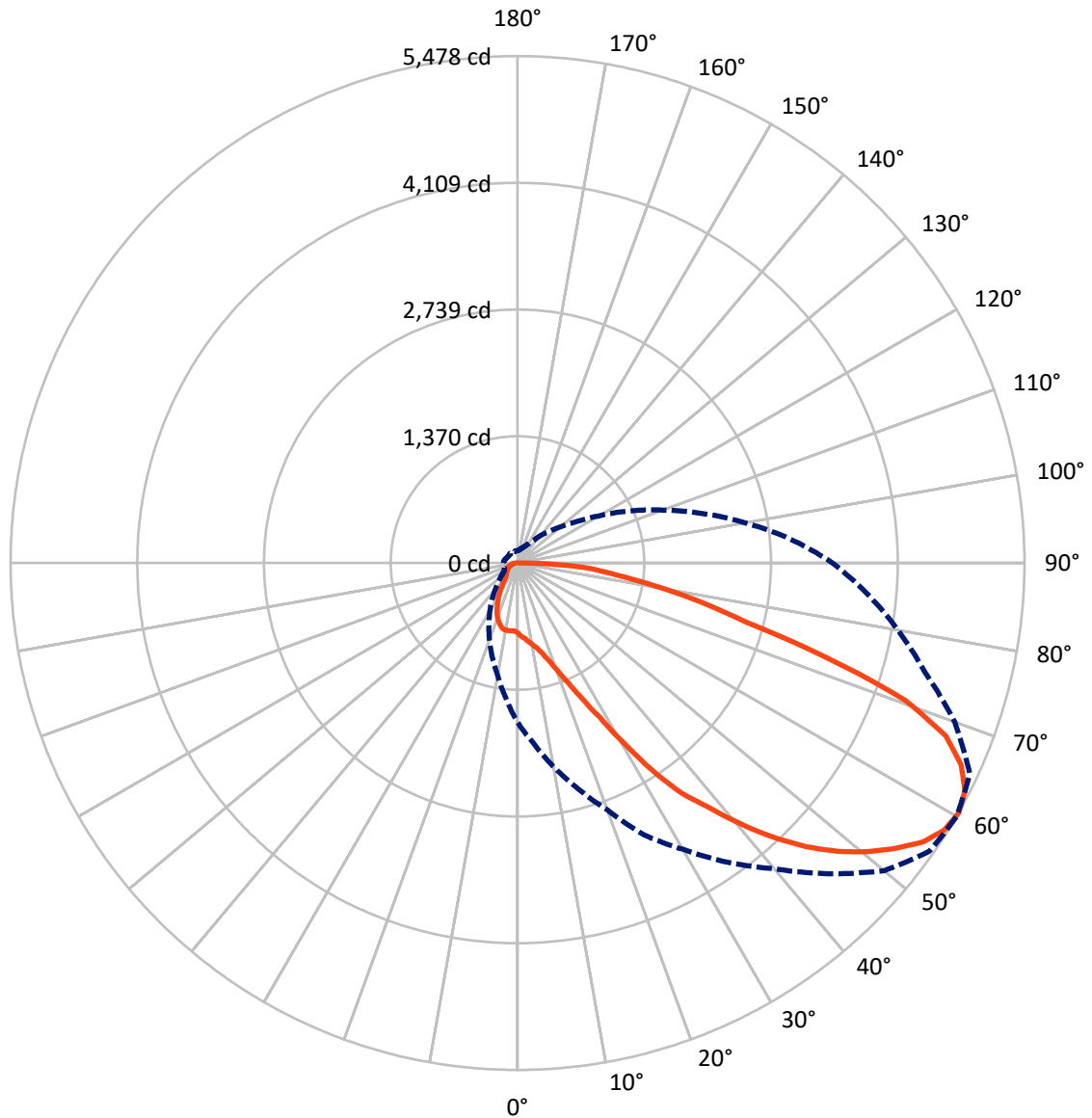


Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1368.7	0.0	1368.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4709.9	0.0	4709.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	6078.6	0.0	6078.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	1.2
10°-20°	240.8	4.0
20°-30°	456.9	7.5
30°-40°	719.6	11.8
40°-50°	1004.4	16.5
50°-60°	1242.2	20.4
60°-70°	1287.6	21.2
70°-80°	810.2	13.3
80°-90°	242.2	4.0
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°	6078.6	100.0
0°-180°	6078.6	100.0



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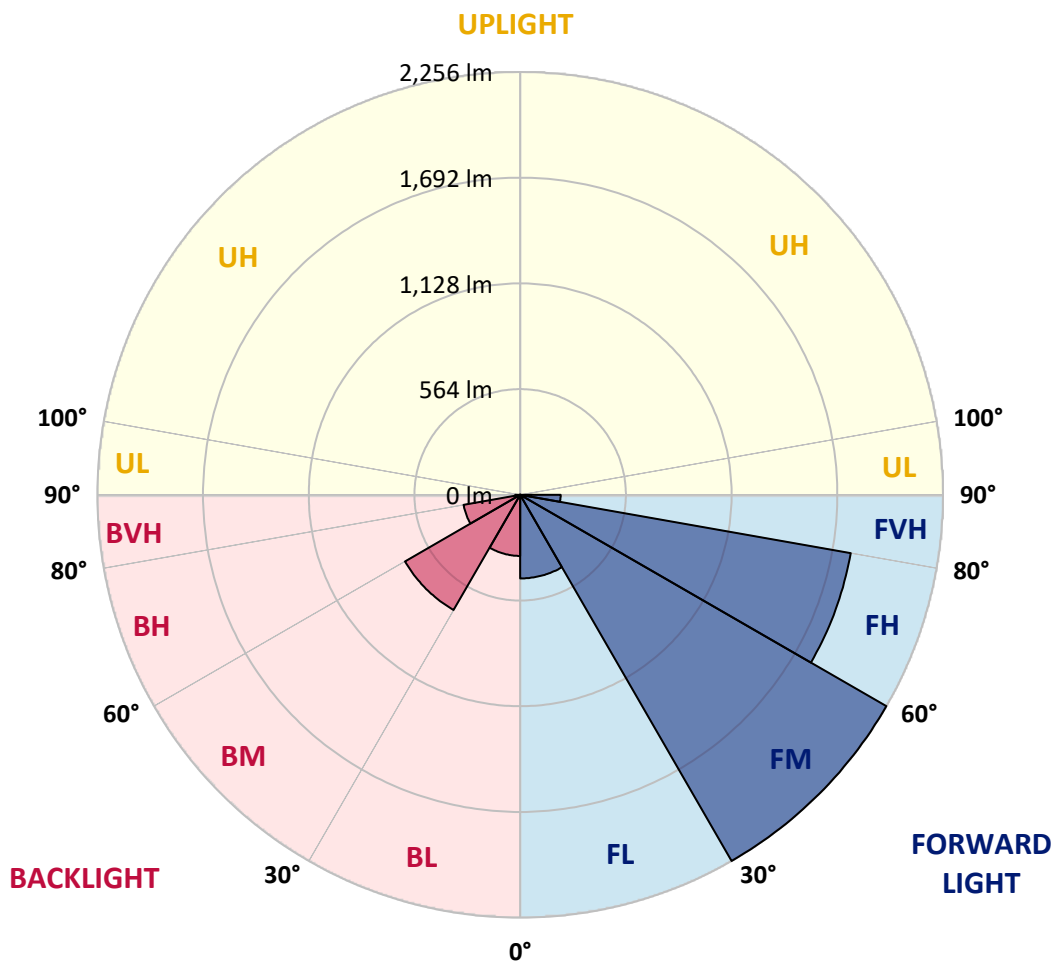
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.3	7.3			
FM	(30°-60°)	2256.5	37.1			
FH	(60°-80°)	1791.3	29.5			G1/1800
FVH	(80°-90°)	215.8	3.6			G2/225
BL	(0°-30°)	326.1	5.4	B1/500		
BM	(30°-60°)	709.8	11.7	B1/1000		
BH	(60°-80°)	306.5	5.0	B1/500		G1/500
BVH	(80°-90°)	26.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0
2.5°	800.7	799.8	799.8	799.8	799.4	798.5	799.8	799.4	797.1	795.8	797.1
5°	811.1	811.6	813.0	813.4	813.4	814.8	818.4	818.8	818.4	819.3	821.6
7.5°	821.1	823.4	824.7	827.0	829.7	832.0	838.3	844.6	848.7	851.9	852.8
10°	837.4	841.0	845.1	851.0	857.3	868.6	874.0	880.4	884.4	890.8	892.1
12.5°	879.0	883.5	886.2	895.3	903.4	914.3	922.0	923.8	933.3	938.7	945.1
15°	949.1	955.9	965.4	970.8	979.9	989.4	996.2	1005.2	1006.6	1013.8	1018.8
17.5°	1035.1	1044.6	1064.0	1077.2	1088.9	1098.4	1112.0	1122.4	1124.7	1132.8	1122.4
20°	1155.4	1178.5	1181.7	1207.9	1218.3	1237.3	1264.4	1269.4	1282.5	1269.4	1261.7
22.5°	1318.3	1354.5	1364.4	1389.8	1402.4	1431.4	1439.5	1466.2	1475.3	1465.3	1444.5
25°	1505.6	1561.7	1590.6	1629.5	1635.9	1695.1	1701.5	1732.7	1715.9	1692.0	1692.4
27.5°	1643.6	1739.0	1813.7	1880.2	1926.8	1993.7	2045.7	2060.2	2044.4	2013.2	2002.3
30°	1722.3	1830.4	1937.6	2029.4	2138.0	2240.3	2346.6	2399.5	2408.6	2424.8	2359.2
32.5°	1772.9	1911.8	2039.4	2153.0	2264.2	2395.9	2538.4	2674.6	2789.0	2875.4	2834.7
35°	1815.5	1986.9	2150.2	2287.8	2419.4	2562.8	2706.7	2867.3	3056.8	3167.7	3190.7
37.5°	1832.7	2042.1	2242.1	2418.5	2603.5	2765.0	2908.0	3051.0	3250.0	3447.7	3508.8
40°	1829.5	2069.3	2296.8	2518.5	2745.1	2946.9	3114.3	3283.5	3516.5	3747.6	3847.2
42.5°	1808.2	2073.3	2331.6	2585.0	2843.3	3111.6	3325.6	3520.5	3744.0	4040.3	4181.0
45°	1781.5	2059.3	2338.9	2618.9	2916.1	3226.5	3497.0	3738.1	4000.1	4292.8	4462.9
47.5°	1745.3	2037.1	2329.8	2630.7	2948.7	3300.2	3618.3	3908.2	4196.4	4533.5	4749.3
50°	1706.0	2005.5	2311.3	2622.1	2956.9	3340.5	3687.5	4017.7	4354.3	4718.0	4990.8
52.5°	1678.4	1971.5	2294.6	2604.4	2948.7	3352.7	3712.8	4076.5	4451.1	4827.1	5152.8
55°	1644.5	1926.3	2249.8	2563.3	2918.9	3345.9	3710.1	4096.9	4477.8	4869.1	5241.0
57.5°	1646.7	1905.5	2211.8	2514.0	2857.8	3283.0	3659.0	4076.5	4435.7	4842.0	5244.2
60°	1718.2	1950.3	2231.7	2523.9	2839.7	3243.2	3572.1	3945.3	4312.2	4748.3	5170.9
62.5°	1865.7	2078.3	2333.9	2623.4	2941.5	3322.8	3532.8	3727.3	4053.0	4576.0	5046.0
65°	2041.7	2233.5	2455.2	2730.7	3087.2	3452.2	3510.6	3550.0	3714.6	4240.8	4811.7
67.5°	2217.6	2389.1	2563.3	2791.7	3169.9	3489.3	3420.1	3326.5	3415.1	3851.2	4351.1
70°	2281.0	2508.5	2623.0	2780.0	3107.1	3402.9	3274.0	3038.3	3069.1	3465.4	3830.9
72.5°	2186.0	2510.3	2548.3	2606.7	2827.0	3105.2	2969.1	2666.0	2659.6	2962.3	3257.7
75°	1833.6	2290.0	2289.6	2267.9	2317.6	2476.0	2405.4	2222.6	2300.0	2538.4	2635.7
77.5°	1307.0	1787.0	1809.6	1663.5	1659.8	1731.3	1773.8	1986.5	2267.0	2400.9	2370.1
80°	821.1	1205.6	1302.9	1122.4	1083.9	1185.3	1448.1	1757.6	2102.7	2223.1	2119.5
82.5°	494.5	776.8	984.0	881.7	872.7	1057.2	1347.7	1468.0	1571.6	1699.7	1526.4
85°	335.7	517.5	673.2	693.5	772.7	963.6	1089.8	1036.4	1039.2	1005.7	916.1
87.5°	64.2	141.1	230.7	281.4	312.2	419.4	456.0	413.0	436.1	318.9	348.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0
2.5°	794.9	794.9	794.9	792.6	793.1	789.9	788.5	788.5	787.2	787.2	786.7
5°	819.7	817.0	818.4	817.9	817.9	813.4	811.1	811.1	805.3	805.7	803.9
7.5°	856.8	856.4	857.7	855.0	851.4	847.8	844.2	842.4	834.2	829.2	826.1
10°	898.9	898.5	899.8	899.4	893.0	886.2	876.3	869.1	859.1	851.4	843.7
12.5°	945.1	944.6	943.7	939.6	932.8	922.0	909.3	897.1	882.2	872.2	860.9
15°	1017.0	1015.6	1010.2	1004.3	997.1	980.3	958.2	940.5	920.6	903.4	884.9
17.5°	1123.3	1112.0	1111.1	1098.0	1078.5	1056.3	1035.5	1006.1	977.6	951.8	926.5
20°	1269.9	1243.6	1236.4	1221.5	1195.7	1172.6	1127.4	1088.0	1049.1	1013.8	981.7
22.5°	1429.6	1410.6	1392.9	1368.5	1333.2	1299.7	1242.3	1193.0	1143.2	1098.0	1062.2
25°	1652.6	1619.6	1587.9	1549.0	1500.1	1460.3	1394.7	1345.0	1279.8	1238.7	1187.1
27.5°	1940.8	1884.2	1830.8	1797.4	1711.4	1653.5	1569.8	1505.6	1426.9	1371.2	1310.1
30°	2315.8	2250.2	2171.0	2055.2	1953.0	1838.1	1734.5	1652.2	1568.5	1490.6	1420.1
32.5°	2780.9	2665.1	2539.8	2356.1	2188.2	2024.5	1886.5	1785.2	1699.7	1602.8	1503.3
35°	3174.0	3054.6	2876.8	2643.4	2436.2	2248.9	2083.7	1945.3	1833.6	1711.0	1579.3
37.5°	3484.4	3348.2	3181.2	2933.3	2714.4	2501.3	2328.0	2151.6	2005.0	1836.3	1669.8
40°	3839.9	3703.3	3519.6	3262.7	3003.5	2772.3	2569.2	2386.8	2206.8	2000.9	1787.0
42.5°	4149.8	4051.2	3865.3	3599.7	3312.4	3055.0	2832.9	2624.3	2389.1	2158.8	1905.5
45°	4472.8	4372.4	4196.0	3918.2	3612.8	3326.0	3060.5	2836.1	2558.3	2284.1	1994.2
47.5°	4758.3	4655.2	4476.9	4201.0	3876.6	3574.4	3282.1	3010.7	2688.1	2373.3	2052.1
50°	5030.6	4904.4	4741.1	4466.1	4119.5	3796.5	3479.4	3131.0	2789.0	2435.7	2091.4
52.5°	5280.8	5120.2	4965.5	4682.3	4307.7	3970.2	3616.5	3233.3	2851.0	2485.0	2118.1
55°	5422.9	5319.3	5134.2	4856.0	4441.6	4089.7	3703.3	3305.2	2912.5	2519.8	2129.4
57.5°	5466.8	5441.4	5286.2	4956.5	4520.3	4155.3	3762.1	3362.2	2953.7	2529.8	2113.6
60°	5431.9	5478.1	5393.0	5027.0	4556.1	4174.7	3791.1	3402.9	2960.9	2498.1	2065.6
62.5°	5320.2	5425.1	5414.3	5050.5	4537.5	4150.3	3787.9	3382.1	2893.1	2399.5	1958.0
65°	5136.5	5268.6	5315.2	4963.2	4433.0	4061.2	3707.4	3251.4	2704.4	2206.8	1777.5
67.5°	4790.9	4990.8	5036.1	4677.3	4159.8	3814.6	3475.3	2979.9	2355.2	1908.7	1495.6
70°	4098.3	4448.0	4509.0	4132.6	3678.0	3374.9	3087.2	2549.7	1961.1	1530.9	1147.7
72.5°	3271.7	3491.6	3616.5	3357.2	3018.8	2799.0	2580.9	1956.2	1479.8	1129.6	789.9
75°	2557.8	2544.7	2656.5	2484.1	2285.1	2182.4	2018.6	1364.9	991.2	748.3	499.9
77.5°	2186.9	2018.6	1891.5	1770.2	1652.2	1619.6	1462.6	846.9	612.5	448.3	299.0
80°	1817.7	1510.6	1278.5	1107.9	1065.8	1130.1	957.3	499.4	362.8	257.4	187.7
82.5°	1298.8	1086.7	884.4	776.3	704.4	806.6	564.6	277.3	196.8	154.3	124.4
85°	841.9	804.8	796.2	760.9	673.6	636.1	428.9	238.9	147.5	95.9	77.4
87.5°	323.9	415.3	479.1	513.5	555.1	494.5	223.5	82.3	81.0	49.8	37.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0
2.5°	783.6	781.7	781.3	779.9	779.0	779.0	776.8	735.6	735.1	735.1	734.7
5°	800.3	798.0	795.8	795.3	793.5	793.5	791.2	750.1	750.1	750.1	749.2
7.5°	822.9	818.4	815.7	814.3	811.6	813.0	814.8	773.1	773.6	773.1	774.0
10°	839.2	836.5	833.3	832.4	830.6	832.0	834.7	793.5	794.9	795.3	796.2
12.5°	855.0	850.5	846.4	845.1	844.2	847.8	851.0	811.1	812.5	813.9	813.9
15°	874.5	866.8	861.4	858.2	856.4	860.0	864.5	825.2	825.6	827.0	826.5
17.5°	907.5	896.2	883.5	881.3	875.4	876.7	877.6	833.8	832.0	828.8	823.4
20°	958.6	941.4	924.2	917.0	905.2	900.3	890.3	834.2	822.9	813.4	805.3
22.5°	1031.9	1006.6	988.0	975.8	951.8	935.1	908.0	832.0	810.7	794.4	781.7
25°	1150.4	1120.1	1091.6	1060.9	1023.3	989.8	950.0	851.9	818.8	790.8	766.4
27.5°	1265.8	1217.9	1174.0	1127.8	1074.9	1024.7	968.6	858.2	820.6	784.5	744.6
30°	1352.2	1282.5	1216.0	1148.6	1079.4	1014.3	950.9	836.5	791.7	751.0	708.9
32.5°	1404.7	1314.2	1227.8	1144.1	1062.7	989.4	918.4	798.9	749.6	701.7	656.9
35°	1454.5	1342.3	1235.0	1136.4	1043.2	961.8	885.3	755.0	696.2	645.1	588.6
37.5°	1516.0	1371.7	1239.6	1122.4	1014.7	921.5	837.4	699.9	641.0	578.2	524.8
40°	1589.7	1402.0	1235.0	1094.3	970.4	868.6	779.5	642.0	576.4	515.3	462.8
42.5°	1659.8	1428.7	1223.3	1056.8	922.0	813.4	726.5	590.4	524.8	462.3	410.3
45°	1711.9	1451.3	1217.4	1030.6	884.9	775.9	680.0	548.8	479.5	416.7	363.7
47.5°	1748.1	1464.9	1214.7	1016.1	859.1	737.0	637.4	507.1	434.3	371.0	319.4
50°	1767.1	1464.4	1207.9	1000.2	821.1	690.4	593.5	465.1	392.7	330.7	283.7
52.5°	1772.0	1456.3	1193.4	971.3	775.0	643.8	546.5	421.2	356.0	296.8	249.3
55°	1760.7	1436.4	1163.1	922.9	725.6	594.4	503.5	386.8	320.3	264.2	227.1
57.5°	1728.6	1401.1	1106.1	856.4	673.6	548.8	454.2	345.2	281.4	234.3	203.6
60°	1668.9	1326.4	1017.0	777.7	607.6	479.1	386.3	290.9	240.2	204.9	180.1
62.5°	1558.5	1209.3	891.7	669.1	512.6	388.6	308.5	232.1	194.1	171.0	155.6
65°	1380.7	1032.8	746.5	527.0	389.5	282.7	229.4	174.6	147.0	133.0	128.5
67.5°	1126.9	797.6	542.9	366.0	263.7	198.1	159.7	127.6	114.5	109.0	107.2
70°	819.3	543.3	351.5	231.2	174.2	138.4	120.8	102.7	95.5	94.1	94.1
72.5°	514.4	330.2	215.3	158.3	132.1	112.2	103.1	90.5	87.8	86.9	85.5
75°	301.7	200.4	152.5	129.8	113.1	100.4	92.7	82.3	80.5	80.1	78.7
77.5°	192.3	144.3	123.1	110.8	102.2	90.9	84.1	73.3	72.8	72.4	71.9
80°	138.0	119.9	107.7	98.2	89.6	79.2	75.1	66.5	65.6	65.1	66.0
82.5°	104.5	99.1	94.1	86.9	75.1	67.4	64.2	58.4	58.8	56.5	56.1
85°	71.9	71.0	70.6	67.4	58.8	52.0	49.8	46.6	48.9	46.6	43.9
87.5°	35.3	34.8	32.1	38.0	35.3	28.0	25.3	28.0	31.2	30.3	28.0
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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CATALOG NUMBER: VTS-F03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0
2.5°	732.9	731.1	732.4	731.5	731.5	731.1	732.0	730.6	729.7	730.6	731.1
5°	747.4	745.1	745.5	742.4	743.7	740.6	741.5	739.2	737.0	736.0	736.0
7.5°	771.8	769.5	766.8	766.4	761.4	759.6	756.4	754.6	753.2	750.1	748.3
10°	794.0	790.3	787.2	786.7	781.7	777.2	773.1	769.5	767.3	762.7	760.5
12.5°	812.1	808.4	803.5	800.7	795.8	790.3	787.6	782.2	779.0	774.0	770.0
15°	822.5	816.1	808.9	803.9	796.7	790.8	786.7	782.6	779.5	773.1	767.3
17.5°	817.5	807.1	797.1	788.1	778.1	772.7	766.8	761.8	760.9	753.7	744.6
20°	796.7	784.5	771.3	759.1	746.0	738.3	731.1	723.4	721.1	712.5	700.8
22.5°	771.3	757.3	742.4	727.5	710.7	699.9	689.0	679.5	671.8	659.1	642.4
25°	745.5	724.7	703.0	684.0	664.6	651.0	639.7	629.3	620.2	599.9	582.7
27.5°	711.6	679.0	656.9	635.2	611.6	594.0	581.3	566.9	556.9	533.4	515.3
30°	668.2	635.6	603.9	582.2	558.7	539.7	523.4	502.6	488.1	470.9	454.2
32.5°	613.4	580.9	548.8	524.3	504.9	481.3	461.0	441.1	424.3	407.6	394.5
35°	546.9	515.3	485.0	460.5	438.8	420.3	400.8	383.6	364.6	346.5	338.8
37.5°	476.8	442.9	409.4	388.2	371.0	357.8	339.7	325.7	308.5	297.7	288.6
40°	415.8	379.6	347.9	329.8	316.2	301.3	286.4	275.5	263.3	252.4	245.7
42.5°	364.2	330.2	303.1	287.7	271.4	255.2	243.8	234.8	227.1	219.0	210.8
45°	316.7	284.1	261.5	242.5	228.9	215.8	208.1	204.0	199.5	194.5	189.1
47.5°	276.9	248.8	226.7	209.0	195.0	185.9	182.3	181.0	179.1	175.1	172.4
50°	246.6	223.5	200.9	185.0	173.3	168.7	164.7	163.3	161.1	159.7	157.9
52.5°	221.2	196.8	177.8	163.3	156.1	154.3	152.5	150.6	150.2	149.3	148.4
55°	200.4	179.1	161.5	150.6	147.0	145.7	145.2	143.4	143.0	143.0	141.6
57.5°	181.9	163.8	147.9	141.1	138.9	137.5	136.6	135.7	135.7	136.6	136.2
60°	162.9	147.5	138.0	134.4	133.0	130.7	128.5	127.6	128.0	130.3	130.3
62.5°	144.3	133.0	127.1	125.8	124.4	122.6	119.9	119.0	119.9	122.6	124.0
65°	124.0	119.0	117.2	116.3	115.4	114.0	112.2	111.3	111.7	113.1	114.9
67.5°	105.4	105.0	105.0	105.4	105.0	104.5	103.6	102.2	101.8	101.8	102.7
70°	94.1	94.1	95.5	95.5	95.0	95.0	93.6	92.3	91.4	90.5	90.9
72.5°	85.5	85.5	86.0	86.4	86.0	86.0	84.1	83.2	81.0	80.5	79.6
75°	78.3	77.4	77.4	76.9	76.5	76.9	75.1	72.8	71.9	71.5	70.6
77.5°	71.0	69.2	68.3	67.4	67.9	67.4	66.0	64.7	63.3	62.9	62.4
80°	62.9	60.2	58.8	56.5	57.9	58.4	57.5	56.1	55.6	55.2	54.7
82.5°	52.0	49.3	47.5	46.1	45.2	46.1	47.5	50.7	49.8	49.3	48.4
85°	40.7	36.2	33.9	34.4	32.1	32.6	36.6	38.5	38.5	39.4	38.5
87.5°	23.1	22.2	16.7	15.4	16.3	19.5	21.7	24.0	24.0	22.6	25.3
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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CATALOG NUMBER: VTS-F03-LED-E1-SLL-7030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0
2.5°	731.1	732.0	732.4	734.2	735.1	735.6	736.0	737.0	737.4	737.0	739.2
5°	734.7	734.7	733.8	735.1	735.6	735.6	734.7	735.6	735.6	735.6	737.9
7.5°	744.2	741.5	740.1	738.3	737.0	735.1	732.9	732.9	732.4	732.9	734.2
10°	754.1	750.1	745.1	740.6	736.5	733.3	729.3	727.9	727.5	727.0	730.6
12.5°	761.8	754.6	746.9	739.2	731.1	725.6	718.9	714.8	714.3	714.3	718.9
15°	756.4	744.6	729.7	716.1	708.9	701.2	693.5	688.5	688.1	689.0	691.7
17.5°	729.3	710.3	697.1	684.0	674.5	668.2	663.2	662.3	664.1	662.3	665.9
20°	683.1	662.8	653.7	643.3	639.7	635.2	627.9	621.6	621.6	613.4	615.7
22.5°	623.4	612.1	600.3	592.2	589.5	581.8	574.1	565.5	564.6	554.6	553.3
25°	561.0	549.7	540.2	538.4	530.2	519.8	512.6	502.6	500.4	490.4	489.0
27.5°	497.2	488.1	478.6	473.2	468.7	457.4	451.0	439.3	434.8	423.9	422.5
30°	436.6	430.2	418.9	414.4	405.8	392.7	379.1	371.9	368.3	356.9	353.3
32.5°	379.6	369.6	361.0	355.6	344.7	329.8	317.6	307.2	300.4	286.8	283.2
35°	325.3	315.3	311.2	297.2	287.7	277.8	261.0	254.7	242.5	232.1	228.5
37.5°	277.3	267.8	262.4	250.6	241.1	231.2	221.2	213.1	207.2	204.9	204.9
40°	236.2	231.2	224.4	215.8	209.5	202.2	196.8	194.1	193.6	194.5	196.8
42.5°	206.7	201.3	196.8	192.3	187.7	186.8	185.5	187.3	189.6	191.8	194.1
45°	184.6	180.1	177.3	175.5	175.1	176.4	179.1	181.9	185.9	188.6	190.5
47.5°	168.7	165.1	164.2	163.8	166.0	170.1	173.7	177.8	181.0	183.7	185.5
50°	155.2	152.0	151.6	151.1	154.3	157.9	161.1	166.5	168.7	170.6	171.9
52.5°	145.7	143.0	141.6	142.1	145.2	148.4	152.9	157.0	160.1	161.5	162.9
55°	138.0	137.1	133.9	135.3	138.4	142.5	147.0	151.6	154.7	157.0	159.2
57.5°	132.1	129.8	127.6	129.8	133.0	137.1	142.5	146.6	150.6	153.8	156.1
60°	125.8	124.0	122.1	124.4	127.6	131.6	135.7	141.1	146.1	149.3	151.6
62.5°	120.3	119.0	117.2	117.6	119.0	121.7	124.0	128.9	133.5	137.5	140.2
65°	112.6	112.2	109.5	109.9	110.8	113.6	115.4	119.9	124.4	128.0	130.3
67.5°	101.3	100.4	100.4	101.8	102.2	103.6	105.0	109.5	113.1	115.8	118.5
70°	90.0	89.6	89.6	90.5	90.0	91.4	93.2	97.3	101.8	104.5	107.2
72.5°	79.2	79.2	78.7	79.6	79.6	80.1	82.3	86.0	90.0	92.3	94.1
75°	69.7	69.2	69.2	69.2	69.7	69.7	71.9	75.1	79.2	80.5	83.2
77.5°	61.1	61.1	61.1	61.1	61.5	61.1	62.4	64.7	66.0	68.3	68.3
80°	53.8	53.4	53.8	54.3	54.3	53.8	53.8	54.3	54.7	54.7	54.7
82.5°	47.5	46.1	47.0	49.3	49.3	49.3	48.9	45.7	43.4	43.4	44.3
85°	38.0	38.0	38.5	41.6	42.1	40.3	42.1	37.5	33.0	31.7	32.6
87.5°	23.5	18.5	22.6	25.8	25.8	24.4	27.1	25.3	21.3	17.2	16.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	756.0	0°
2.5°	741.0	741.5	744.2	745.5	745.5	747.4	748.3	751.0	750.5	750.5	751.4	2.5°
5°	740.1	741.5	744.2	746.0	746.9	749.2	751.0	754.1	753.7	754.6	755.0	5°
7.5°	737.0	740.6	743.3	746.9	750.1	751.9	754.1	756.9	756.0	756.4	756.0	7.5°
10°	734.2	737.9	743.3	748.3	752.8	755.5	756.9	760.0	759.6	760.5	760.5	10°
12.5°	723.4	729.7	736.5	744.2	751.0	758.2	762.7	769.5	772.7	776.8	781.3	12.5°
15°	695.8	703.0	713.9	722.5	735.6	745.5	758.7	771.8	783.6	794.9	808.0	15°
17.5°	668.6	671.8	680.4	692.2	703.9	718.9	734.7	758.2	779.5	802.6	827.9	17.5°
20°	618.4	623.9	629.7	643.8	657.8	679.0	698.5	729.3	760.5	796.7	835.6	20°
22.5°	556.4	561.9	568.2	584.0	601.2	622.9	646.5	680.9	722.5	769.5	821.6	22.5°
25°	489.5	492.7	497.6	513.5	523.9	552.4	580.9	616.6	661.9	722.5	783.1	25°
27.5°	415.8	421.6	425.7	432.9	456.9	481.3	511.2	549.7	604.4	666.4	739.7	27.5°
30°	345.2	350.2	347.9	363.3	379.1	404.9	437.0	479.5	532.0	605.8	690.4	30°
32.5°	276.0	279.6	278.2	289.1	304.9	330.7	361.0	407.2	462.8	541.5	633.4	32.5°
35°	227.6	228.5	233.4	238.4	252.0	272.8	298.6	338.8	395.8	468.2	565.5	35°
37.5°	204.9	206.7	209.9	216.7	226.7	241.6	262.8	294.1	342.9	406.7	493.6	37.5°
40°	198.1	199.5	201.3	205.8	215.3	228.5	247.5	273.7	309.4	363.3	433.8	40°
42.5°	195.0	195.0	195.0	197.7	204.9	219.0	240.7	266.5	297.7	338.4	395.4	42.5°
45°	190.5	190.5	190.0	191.4	196.3	210.4	233.9	262.8	296.3	335.2	384.5	45°
47.5°	185.5	185.0	183.7	183.7	186.8	200.9	225.3	256.5	293.2	337.9	390.9	47.5°
50°	171.9	171.9	171.9	173.3	176.0	188.6	214.9	247.9	290.0	339.7	400.8	50°
52.5°	164.2	164.7	166.0	166.0	168.7	181.9	209.5	246.1	291.8	346.5	413.5	52.5°
55°	160.6	162.0	163.3	163.3	165.6	179.1	207.6	247.5	298.6	360.6	435.2	55°
57.5°	157.4	158.8	159.7	159.7	161.5	173.3	202.7	245.2	302.7	374.1	461.9	57.5°
60°	151.6	152.5	152.9	152.9	153.4	163.3	191.4	234.3	293.6	373.2	476.4	60°
62.5°	140.7	142.5	143.0	143.4	143.4	152.9	176.9	216.7	274.2	359.7	472.3	62.5°
65°	132.6	133.5	134.8	135.7	137.5	143.9	162.9	195.4	248.8	332.5	449.7	65°
67.5°	119.9	121.2	122.6	124.4	126.2	130.3	145.2	171.5	214.4	286.4	399.0	67.5°
70°	108.6	109.0	110.4	112.6	113.1	115.4	126.2	144.3	175.5	229.8	321.2	70°
72.5°	94.6	95.5	97.3	100.0	100.0	101.8	108.1	117.6	137.5	175.5	237.1	72.5°
75°	82.3	83.2	84.6	84.6	82.3	82.8	87.3	94.1	109.0	132.1	172.8	75°
77.5°	68.3	70.1	71.5	68.8	67.9	69.2	71.5	76.5	87.3	105.0	129.8	77.5°
80°	56.5	57.5	57.9	58.4	57.5	58.8	60.6	63.8	71.0	84.6	102.7	80°
82.5°	45.2	46.1	47.5	49.3	49.3	54.3	54.7	54.7	58.8	67.4	80.5	82.5°
85°	33.5	35.3	37.1	39.4	39.8	42.5	41.2	40.7	42.1	50.2	55.6	85°
87.5°	17.2	18.5	19.5	21.3	19.0	19.9	19.9	18.5	16.3	20.4	22.6	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
756.0	756.0	756.0	756.0	756.0	756.0	756.0
752.3	751.4	752.3	752.3	753.7	752.8	800.7
756.0	755.0	756.0	756.9	758.2	758.2	811.1
756.4	756.4	755.5	757.8	759.6	761.4	821.1
761.8	761.8	762.7	763.2	767.3	771.8	837.4
784.0	786.3	790.3	791.7	798.9	803.9	879.0
817.9	830.6	838.7	841.5	847.8	857.3	949.1
852.3	873.6	895.7	909.3	917.5	928.8	1035.1
878.1	917.9	955.9	989.8	1009.3	1031.5	1155.4
880.4	943.7	1007.9	1070.8	1122.8	1164.0	1318.3
858.6	941.9	1030.6	1126.9	1216.5	1290.7	1505.6
831.1	933.3	1046.4	1169.4	1287.1	1396.5	1643.6
796.2	918.8	1049.1	1187.5	1325.5	1457.2	1722.3
743.3	875.8	1016.5	1169.4	1329.6	1489.7	1772.9
675.4	810.7	955.0	1129.2	1310.6	1502.9	1815.5
606.2	739.7	894.8	1075.3	1280.3	1500.6	1832.7
532.9	665.5	824.3	1017.9	1239.1	1479.8	1829.5
483.2	603.9	759.6	959.5	1193.4	1452.2	1808.2
454.2	560.1	708.5	906.1	1151.8	1419.2	1781.5
453.8	546.9	681.3	868.1	1109.7	1382.5	1745.3
469.6	555.1	678.1	851.9	1086.7	1355.8	1706.0
488.1	577.7	694.9	857.7	1086.2	1344.1	1678.4
517.5	616.2	731.5	883.1	1098.0	1342.3	1644.5
555.1	668.2	797.6	945.5	1143.7	1378.0	1646.7
593.5	729.3	884.0	1052.3	1233.7	1461.2	1718.2
607.6	776.3	971.7	1177.6	1368.5	1586.1	1865.7
595.4	787.2	1025.1	1274.9	1499.7	1732.2	2041.7
550.1	743.3	1003.4	1302.4	1575.2	1835.8	2217.6
452.8	634.3	904.8	1240.5	1569.4	1857.1	2281.0
332.1	491.8	735.6	1054.1	1395.2	1724.1	2186.0
239.8	347.9	531.1	794.0	1102.9	1388.4	1833.6
171.9	241.1	344.7	521.6	751.4	966.8	1307.0
123.5	163.8	214.9	313.1	457.8	593.5	821.1
90.9	112.2	141.1	194.5	269.6	345.6	494.5
62.0	66.0	85.1	114.9	176.9	254.2	335.7
23.5	26.7	31.2	47.0	79.2	90.9	64.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)