

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: P158758

Luminaire Tested: **VTS-E03-LED-E1-SLL-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158758
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-E03-LED-E1-SLL-8030
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

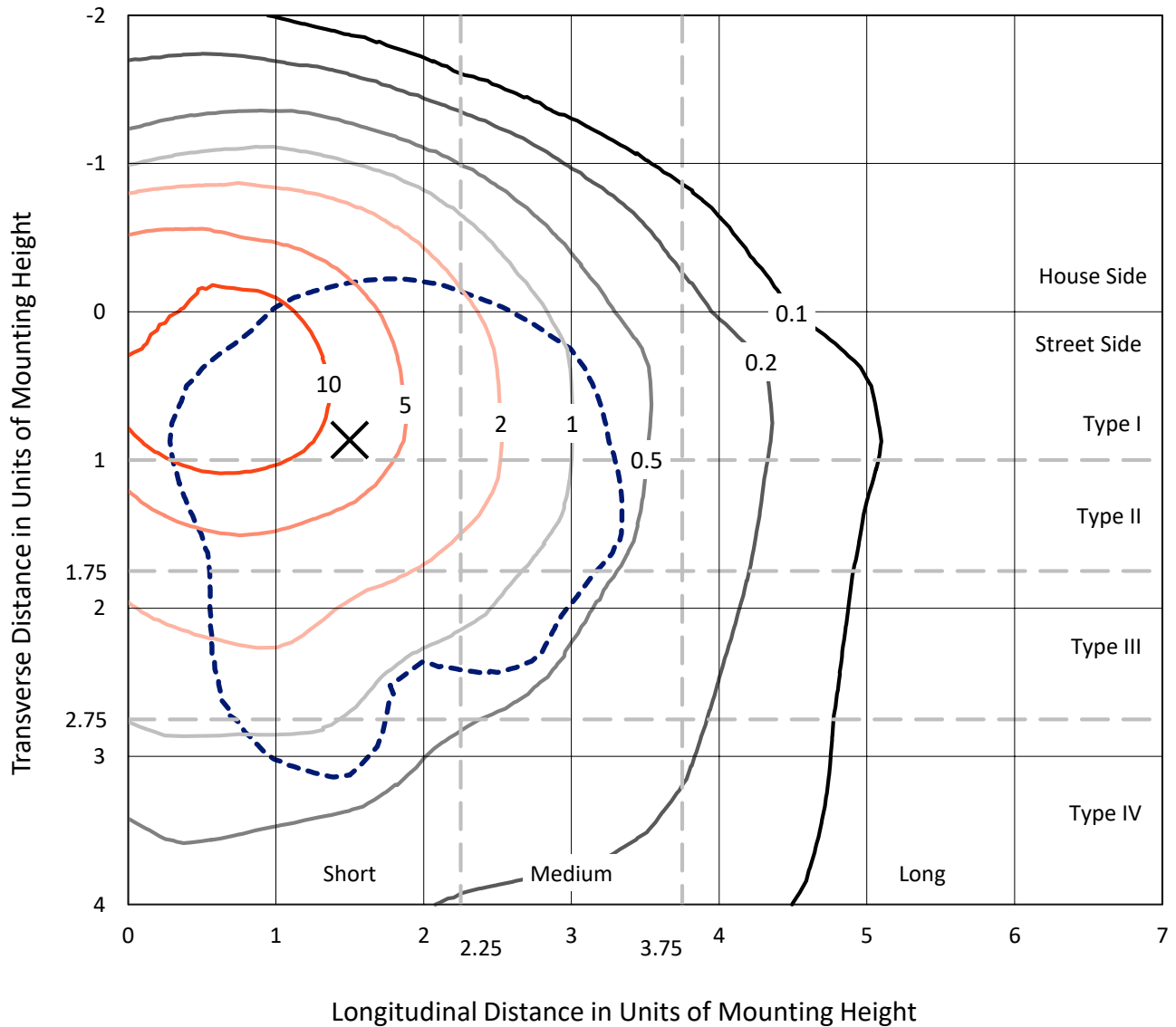
Lumens per Lamp: N/A
Luminaire Lumens: 6804.1 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 75.2
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

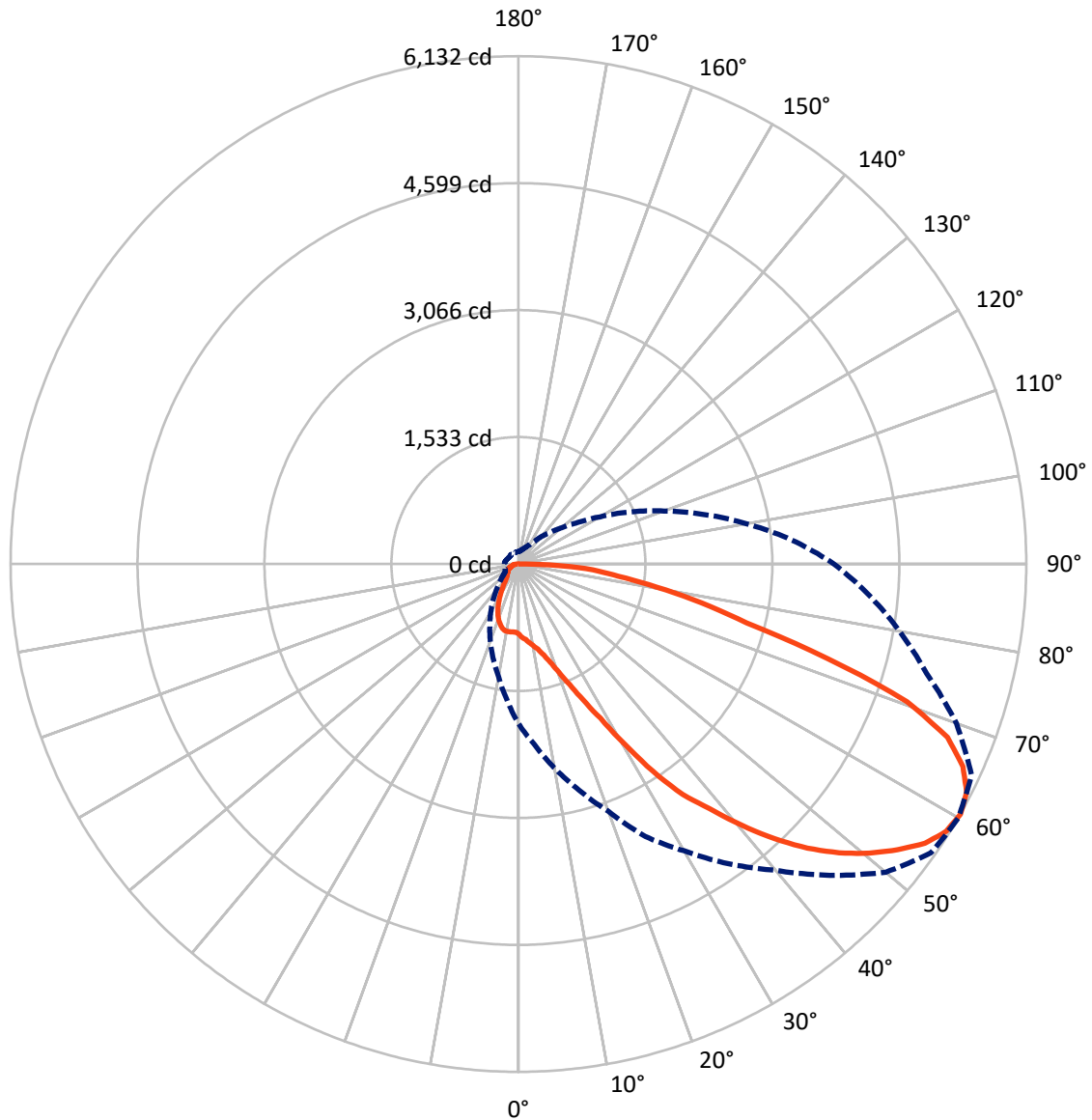
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.5 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	1532.1	0.0	1532.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5272.0	0.0	5272.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	6804.1	0.0	6804.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.2
10°-20°	269.5	4.0
20°-30°	511.5	7.5
30°-40°	805.5	11.8
40°-50°	1124.3	16.5
50°-60°	1390.5	20.4
60°-70°	1441.3	21.2
70°-80°	906.9	13.3
80°-90°	271.1	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°	6804.1	100.0
0°-180°	6804.1	100.0



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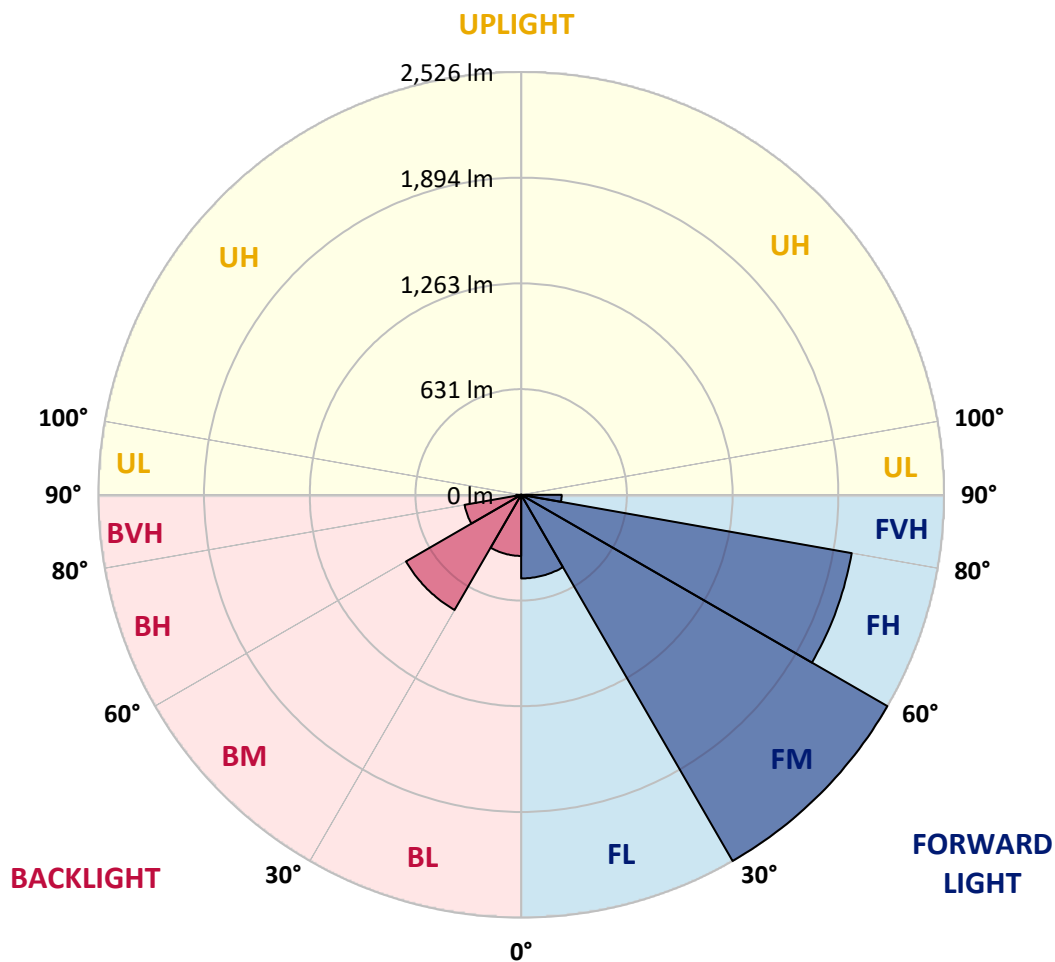
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.5	7.3			
FM	(30°-60°)	2525.8	37.1			
FH	(60°-80°)	2005.1	29.5			G2/5000
FVH	(80°-90°)	241.6	3.6			G3/500
BL	(0°-30°)	365.0	5.4	B1/500		
BM	(30°-60°)	794.5	11.7	B1/1000		
BH	(60°-80°)	343.1	5.0	B1/500		G1/500
BVH	(80°-90°)	29.5	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	896.3	895.3	895.3	895.3	894.8	893.8	895.3	894.8	892.3	890.7	892.3
5°	908.0	908.5	910.0	910.5	910.5	912.0	916.1	916.6	916.1	917.1	919.6
7.5°	919.1	921.6	923.2	925.7	928.7	931.3	938.3	945.4	950.0	953.5	954.6
10°	937.3	941.4	945.9	952.5	959.6	972.3	978.4	985.4	990.0	997.1	998.6
12.5°	983.9	989.0	992.0	1002.2	1011.3	1023.4	1032.0	1034.1	1044.7	1050.8	1057.9
15°	1062.4	1070.0	1080.6	1086.7	1096.9	1107.5	1115.1	1125.2	1126.7	1134.8	1140.4
17.5°	1158.6	1169.3	1191.0	1205.7	1218.9	1229.5	1244.7	1256.4	1258.9	1268.0	1256.4
20°	1293.3	1319.2	1322.7	1352.1	1363.7	1385.0	1415.4	1420.9	1435.6	1420.9	1412.3
22.5°	1475.6	1516.1	1527.3	1555.6	1569.8	1602.2	1611.3	1641.2	1651.4	1640.2	1616.9
25°	1685.3	1748.1	1780.5	1824.0	1831.1	1897.5	1904.5	1939.5	1920.8	1893.9	1894.4
27.5°	1839.7	1946.6	2030.1	2104.6	2156.7	2231.7	2289.9	2306.1	2288.4	2253.5	2241.3
30°	1927.8	2048.9	2168.9	2271.7	2393.2	2507.7	2626.7	2685.9	2696.0	2714.3	2640.8
32.5°	1984.6	2140.0	2282.8	2409.9	2534.5	2681.9	2841.4	2993.8	3121.9	3218.6	3173.1
35°	2032.2	2224.1	2406.9	2560.8	2708.2	2868.7	3029.8	3209.5	3421.7	3545.8	3571.6
37.5°	2051.4	2285.9	2509.7	2707.2	2914.3	3095.1	3255.1	3415.1	3637.9	3859.2	3927.6
40°	2047.9	2316.2	2571.0	2819.1	3072.8	3298.7	3486.0	3675.4	3936.2	4195.0	4306.4
42.5°	2024.1	2320.8	2610.0	2893.5	3182.7	3483.0	3722.5	3940.8	4190.9	4522.6	4680.1
45°	1994.2	2305.1	2618.1	2931.5	3264.2	3611.6	3914.4	4184.3	4477.5	4805.2	4995.6
47.5°	1953.7	2280.3	2607.9	2944.7	3300.7	3694.1	4050.1	4374.7	4697.3	5074.6	5316.1
50°	1909.6	2244.8	2587.2	2935.1	3309.8	3739.2	4127.6	4497.3	4874.0	5281.2	5586.5
52.5°	1878.7	2206.9	2568.4	2915.3	3300.7	3752.9	4156.0	4563.1	4982.4	5403.2	5767.8
55°	1840.7	2156.2	2518.3	2869.2	3267.3	3745.3	4152.9	4585.9	5012.3	5450.3	5866.6
57.5°	1843.3	2132.9	2475.8	2814.0	3198.9	3674.9	4095.7	4563.1	4965.2	5419.9	5870.1
60°	1923.3	2183.1	2498.0	2825.2	3178.6	3630.3	3998.5	4416.3	4827.0	5315.1	5788.1
62.5°	2088.4	2326.4	2612.5	2936.6	3292.6	3719.5	3954.4	4172.2	4536.8	5122.2	5648.3
65°	2285.4	2500.1	2748.2	3056.6	3455.6	3864.3	3929.6	3973.7	4158.0	4746.9	5386.0
67.5°	2482.3	2674.3	2869.2	3125.0	3548.3	3905.8	3828.3	3723.5	3822.8	4310.9	4870.5
70°	2553.2	2808.0	2936.1	3111.8	3477.9	3809.1	3664.8	3400.9	3435.4	3879.0	4288.1
72.5°	2446.9	2810.0	2852.5	2917.8	3164.5	3475.9	3323.5	2984.2	2977.1	3315.9	3646.5
75°	2052.4	2563.4	2562.9	2538.6	2594.3	2771.5	2692.5	2487.9	2574.5	2841.4	2950.3
77.5°	1463.0	2000.3	2025.6	1862.0	1858.0	1938.0	1985.6	2223.6	2537.5	2687.4	2653.0
80°	919.1	1349.5	1458.4	1256.4	1213.3	1326.8	1621.0	1967.3	2353.7	2488.4	2372.5
82.5°	553.5	869.5	1101.4	987.0	976.8	1183.4	1508.5	1643.3	1759.2	1902.5	1708.6
85°	375.7	579.3	753.5	776.3	864.9	1078.6	1219.9	1160.1	1163.2	1125.7	1025.4
87.5°	71.9	158.0	258.3	315.0	349.4	469.4	510.4	462.3	488.2	357.0	390.4
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°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	889.7	889.7	889.7	887.2	887.7	884.2	882.6	882.6	881.1	881.1	880.6
5°	917.6	914.5	916.1	915.6	915.6	910.5	908.0	908.0	901.4	901.9	899.9
7.5°	959.1	958.6	960.1	957.1	953.0	949.0	944.9	942.9	933.8	928.2	924.7
10°	1006.2	1005.7	1007.2	1006.7	999.6	992.0	980.9	972.8	961.6	953.0	944.4
12.5°	1057.9	1057.4	1056.3	1051.8	1044.2	1032.0	1017.9	1004.2	987.5	976.3	963.7
15°	1138.4	1136.9	1130.8	1124.2	1116.1	1097.4	1072.5	1052.8	1030.5	1011.3	990.5
17.5°	1257.4	1244.7	1243.7	1229.0	1207.2	1182.4	1159.1	1126.2	1094.3	1065.5	1037.1
20°	1421.4	1392.1	1384.0	1367.3	1338.4	1312.6	1261.9	1217.9	1174.3	1134.8	1098.9
22.5°	1600.2	1578.9	1559.2	1531.8	1492.3	1454.9	1390.6	1335.4	1279.7	1229.0	1189.0
25°	1849.9	1812.9	1777.4	1733.9	1679.2	1634.6	1561.2	1505.5	1432.6	1386.5	1328.8
27.5°	2172.4	2109.1	2049.4	2011.9	1915.7	1850.9	1757.2	1685.3	1597.2	1534.9	1466.5
30°	2592.2	2518.8	2430.2	2300.6	2186.1	2057.5	1941.5	1849.4	1755.7	1668.6	1589.6
32.5°	3112.8	2983.2	2842.9	2637.3	2449.4	2266.1	2111.7	1998.2	1902.5	1794.2	1682.7
35°	3552.9	3419.2	3220.2	2958.9	2726.9	2517.3	2332.5	2177.5	2052.4	1915.2	1767.8
37.5°	3900.3	3747.8	3561.0	3283.5	3038.4	2799.9	2605.9	2408.4	2244.3	2055.5	1869.1
40°	4298.3	4145.3	3939.7	3652.1	3362.0	3103.2	2875.8	2671.7	2470.2	2239.8	2000.3
42.5°	4645.2	4534.8	4326.6	4029.4	3707.8	3419.7	3171.0	2937.6	2674.3	2416.5	2132.9
45°	5006.7	4894.3	4696.8	4385.9	4044.1	3723.0	3425.8	3174.6	2863.7	2556.8	2232.2
47.5°	5326.3	5210.8	5011.3	4702.4	4339.3	4001.0	3673.9	3370.1	3009.0	2656.5	2297.0
50°	5631.1	5489.8	5307.0	4999.1	4611.2	4249.7	3894.7	3504.8	3121.9	2726.4	2341.1
52.5°	5911.1	5731.4	5558.2	5241.2	4821.9	4444.1	4048.1	3619.2	3191.3	2781.6	2370.9
55°	6070.2	5954.2	5747.1	5435.6	4971.8	4577.8	4145.3	3699.7	3260.2	2820.6	2383.6
57.5°	6119.3	6090.9	5917.2	5548.1	5059.9	4651.2	4211.2	3763.5	3306.3	2831.8	2365.9
60°	6080.3	6131.9	6036.7	5627.1	5099.9	4673.0	4243.6	3809.1	3314.4	2796.3	2312.2
62.5°	5955.2	6072.7	6060.5	5653.4	5079.1	4645.7	4240.0	3785.8	3238.4	2685.9	2191.7
65°	5749.6	5897.5	5949.6	5555.7	4962.2	4545.9	4149.9	3639.5	3027.2	2470.2	1989.6
67.5°	5362.7	5586.5	5637.2	5235.6	4656.3	4269.9	3890.1	3335.6	2636.3	2136.5	1674.1
70°	4587.4	4978.9	5047.2	4625.9	4117.0	3777.7	3455.6	2854.0	2195.2	1713.6	1284.7
72.5°	3662.2	3908.4	4048.1	3758.0	3379.2	3133.1	2889.0	2189.7	1656.4	1264.5	884.2
75°	2863.2	2848.5	2973.5	2780.6	2557.8	2442.8	2259.5	1527.8	1109.5	837.6	559.6
77.5°	2447.9	2259.5	2117.2	1981.5	1849.4	1812.9	1637.2	948.0	685.7	501.8	334.7
80°	2034.7	1690.9	1431.1	1240.2	1193.1	1265.0	1071.5	559.1	406.1	288.1	210.2
82.5°	1453.9	1216.4	990.0	869.0	788.5	902.9	632.0	310.4	220.3	172.7	139.3
85°	942.4	900.9	891.3	851.8	754.0	712.0	480.1	267.4	165.1	107.4	86.6
87.5°	362.6	464.9	536.3	574.8	621.3	553.5	250.2	92.2	90.6	55.7	42.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	877.1	875.0	874.5	873.0	872.0	872.0	869.5	823.4	822.9	822.9	822.4
5°	895.8	893.3	890.7	890.2	888.2	888.2	885.7	839.6	839.6	839.6	838.6
7.5°	921.1	916.1	913.0	911.5	908.5	910.0	912.0	865.4	865.9	865.4	866.4
10°	939.4	936.3	932.8	931.8	929.7	931.3	934.3	888.2	889.7	890.2	891.3
12.5°	957.1	952.0	947.5	945.9	944.9	949.0	952.5	908.0	909.5	911.0	911.0
15°	978.9	970.3	964.2	960.6	958.6	962.7	967.7	923.7	924.2	925.7	925.2
17.5°	1015.8	1003.2	989.0	986.5	979.9	981.4	982.4	933.3	931.3	927.7	921.6
20°	1073.1	1053.8	1034.6	1026.5	1013.3	1007.7	996.6	933.8	921.1	910.5	901.4
22.5°	1155.1	1126.7	1106.0	1092.3	1065.5	1046.7	1016.3	931.3	907.5	889.2	875.0
25°	1287.8	1253.8	1221.9	1187.5	1145.5	1108.0	1063.4	953.5	916.6	885.2	857.8
27.5°	1416.9	1363.2	1314.1	1262.4	1203.2	1147.0	1084.2	960.6	918.6	878.1	833.5
30°	1513.6	1435.6	1361.2	1285.7	1208.3	1135.3	1064.4	936.3	886.2	840.6	793.5
32.5°	1572.4	1471.1	1374.4	1280.7	1189.5	1107.5	1028.0	894.3	839.1	785.4	735.3
35°	1628.1	1502.5	1382.5	1272.1	1167.7	1076.6	991.0	845.2	779.3	722.1	658.8
37.5°	1696.9	1535.4	1387.5	1256.4	1135.8	1031.5	937.3	783.4	717.6	647.2	587.4
40°	1779.5	1569.3	1382.5	1225.0	1086.2	972.3	872.5	718.6	645.1	576.8	518.0
42.5°	1858.0	1599.2	1369.3	1182.9	1032.0	910.5	813.3	660.8	587.4	517.5	459.3
45°	1916.2	1624.5	1362.7	1153.6	990.5	868.5	761.1	614.3	536.8	466.4	407.1
47.5°	1956.7	1639.7	1359.7	1137.4	961.6	824.9	713.5	567.7	486.1	415.2	357.5
50°	1978.0	1639.2	1352.1	1119.6	919.1	772.8	664.4	520.6	439.6	370.2	317.5
52.5°	1983.5	1630.1	1335.9	1087.2	867.5	720.6	611.7	471.5	398.5	332.2	279.0
55°	1970.9	1607.8	1301.9	1033.0	812.3	665.4	563.6	433.0	358.5	295.7	254.2
57.5°	1934.9	1568.3	1238.1	958.6	754.0	614.3	508.4	386.4	315.0	262.3	227.9
60°	1868.1	1484.7	1138.4	870.5	680.1	536.3	432.5	325.6	268.9	229.4	201.5
62.5°	1744.5	1353.6	998.1	749.0	573.7	435.0	345.4	259.8	217.2	191.4	174.2
65°	1545.5	1156.1	835.6	589.9	436.0	316.5	256.7	195.5	164.6	148.9	143.8
67.5°	1261.4	892.8	607.7	409.7	295.2	221.8	178.8	142.8	128.1	122.0	120.0
70°	917.1	608.2	393.5	258.8	195.0	155.0	135.2	115.0	106.8	105.3	105.3
72.5°	575.8	369.7	241.0	177.2	147.9	125.6	115.5	101.3	98.2	97.2	95.7
75°	337.8	224.3	170.7	145.3	126.6	112.4	103.8	92.2	90.1	89.6	88.1
77.5°	215.2	161.5	137.7	124.1	114.4	101.8	94.2	82.0	81.5	81.0	80.5
80°	154.5	134.2	120.5	109.9	100.3	88.6	84.1	74.4	73.4	72.9	73.9
82.5°	117.0	110.9	105.3	97.2	84.1	75.5	71.9	65.3	65.8	63.3	62.8
85°	80.5	79.5	79.0	75.5	65.8	58.2	55.7	52.2	54.7	52.2	49.1
87.5°	39.5	39.0	36.0	42.5	39.5	31.4	28.4	31.4	34.9	33.9	31.4
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: P158758

CATALOG NUMBER: VTS-E03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	820.4	818.3	819.9	818.8	818.8	818.3	819.3	817.8	816.8	817.8	818.3
5°	836.6	834.0	834.5	831.0	832.5	829.0	830.0	827.4	824.9	823.9	823.9
7.5°	863.9	861.4	858.3	857.8	852.3	850.2	846.7	844.7	843.1	839.6	837.6
10°	888.7	884.7	881.1	880.6	875.0	870.0	865.4	861.4	858.8	853.8	851.2
12.5°	909.0	904.9	899.4	896.3	890.7	884.7	881.6	875.6	872.0	866.4	861.9
15°	920.6	913.5	905.4	899.9	891.8	885.2	880.6	876.1	872.5	865.4	858.8
17.5°	915.1	903.4	892.3	882.1	871.0	864.9	858.3	852.8	851.8	843.7	833.5
20°	891.8	878.1	863.4	849.7	835.0	826.4	818.3	809.7	807.2	797.6	784.4
22.5°	863.4	847.7	831.0	814.3	795.5	783.4	771.2	760.6	752.0	737.8	719.1
25°	834.5	811.2	786.9	765.7	743.9	728.7	716.0	704.4	694.3	671.5	652.2
27.5°	796.6	760.1	735.3	711.0	684.6	664.9	650.7	634.5	623.4	597.0	576.8
30°	747.9	711.5	676.0	651.7	625.4	604.1	585.9	562.6	546.4	527.2	508.4
32.5°	686.7	650.2	614.3	586.9	565.1	538.8	516.0	493.7	475.0	456.3	441.6
35°	612.2	576.8	542.9	515.5	491.2	470.4	448.7	429.4	408.2	387.9	379.3
37.5°	533.7	495.8	458.3	434.5	415.2	400.6	380.3	364.6	345.4	333.2	323.1
40°	465.4	424.9	389.4	369.2	354.0	337.3	320.5	308.4	294.7	282.6	275.0
42.5°	407.6	369.7	339.3	322.1	303.8	285.6	272.9	262.8	254.2	245.1	236.0
45°	354.5	318.0	292.7	271.4	256.2	241.6	232.9	228.4	223.3	217.7	211.7
47.5°	309.9	278.5	253.7	234.0	218.3	208.1	204.1	202.6	200.5	196.0	192.9
50°	276.0	250.2	224.8	207.1	193.9	188.9	184.3	182.8	180.3	178.8	176.7
52.5°	247.6	220.3	199.0	182.8	174.7	172.7	170.7	168.6	168.1	167.1	166.1
55°	224.3	200.5	180.8	168.6	164.6	163.1	162.6	160.5	160.0	160.0	158.5
57.5°	203.6	183.3	165.6	158.0	155.5	153.9	152.9	151.9	151.9	152.9	152.4
60°	182.3	165.1	154.5	150.4	148.9	146.3	143.8	142.8	143.3	145.8	145.8
62.5°	161.5	148.9	142.3	140.8	139.3	137.2	134.2	133.2	134.2	137.2	138.8
65°	138.8	133.2	131.2	130.1	129.1	127.6	125.6	124.6	125.1	126.6	128.6
67.5°	118.0	117.5	117.5	118.0	117.5	117.0	116.0	114.4	113.9	113.9	115.0
70°	105.3	105.3	106.8	106.8	106.3	106.3	104.8	103.3	102.3	101.3	101.8
72.5°	95.7	95.7	96.2	96.7	96.2	96.2	94.2	93.2	90.6	90.1	89.1
75°	87.6	86.6	86.6	86.1	85.6	86.1	84.1	81.5	80.5	80.0	79.0
77.5°	79.5	77.5	76.5	75.5	76.0	75.5	73.9	72.4	70.9	70.4	69.9
80°	70.4	67.4	65.8	63.3	64.8	65.3	64.3	62.8	62.3	61.8	61.3
82.5°	58.2	55.2	53.2	51.7	50.6	51.7	53.2	56.7	55.7	55.2	54.2
85°	45.6	40.5	38.0	38.5	36.0	36.5	41.0	43.0	43.0	44.1	43.0
87.5°	25.8	24.8	18.7	17.2	18.2	21.8	24.3	26.8	26.8	25.3	28.4
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-E03-LED-E1-SLL-8030

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2
2.5°	818.3	819.3	819.9	821.9	822.9	823.4	823.9	824.9	825.4	824.9	827.4
5°	822.4	822.4	821.4	822.9	823.4	823.4	822.4	823.4	823.4	823.4	825.9
7.5°	833.0	830.0	828.5	826.4	824.9	822.9	820.4	820.4	819.9	820.4	821.9
10°	844.2	839.6	834.0	829.0	824.4	820.9	816.3	814.8	814.3	813.8	817.8
12.5°	852.8	844.7	836.1	827.4	818.3	812.3	804.7	800.1	799.6	799.6	804.7
15°	846.7	833.5	816.8	801.6	793.5	784.9	776.3	770.7	770.2	771.2	774.3
17.5°	816.3	795.0	780.4	765.7	755.0	747.9	742.4	741.4	743.4	741.4	745.4
20°	764.7	741.9	731.7	720.1	716.0	711.0	702.9	695.8	695.8	686.7	689.2
22.5°	697.8	685.2	672.0	662.9	659.8	651.2	642.6	633.0	632.0	620.8	619.3
25°	627.9	615.3	604.6	602.6	593.5	581.8	573.7	562.6	560.1	548.9	547.4
27.5°	556.5	546.4	535.8	529.7	524.6	512.0	504.9	491.7	486.6	474.5	473.0
30°	488.7	481.6	468.9	463.9	454.2	439.6	424.4	416.3	412.2	399.5	395.5
32.5°	424.9	413.7	404.1	398.0	385.9	369.2	355.5	343.8	336.2	321.1	317.0
35°	364.1	353.0	348.4	332.7	322.1	310.9	292.2	285.1	271.4	259.8	255.7
37.5°	310.4	299.8	293.7	280.5	269.9	258.8	247.6	238.5	231.9	229.4	229.4
40°	264.3	258.8	251.2	241.6	234.5	226.4	220.3	217.2	216.7	217.7	220.3
42.5°	231.4	225.3	220.3	215.2	210.2	209.1	207.6	209.6	212.2	214.7	217.2
45°	206.6	201.5	198.5	196.5	196.0	197.5	200.5	203.6	208.1	211.2	213.2
47.5°	188.9	184.8	183.8	183.3	185.8	190.4	194.5	199.0	202.6	205.6	207.6
50°	173.7	170.1	169.6	169.1	172.7	176.7	180.3	186.4	188.9	190.9	192.4
52.5°	163.1	160.0	158.5	159.0	162.6	166.1	171.2	175.7	179.3	180.8	182.3
55°	154.5	153.4	149.9	151.4	155.0	159.5	164.6	169.6	173.2	175.7	178.3
57.5°	147.9	145.3	142.8	145.3	148.9	153.4	159.5	164.1	168.6	172.2	174.7
60°	140.8	138.8	136.7	139.3	142.8	147.4	151.9	158.0	163.6	167.1	169.6
62.5°	134.7	133.2	131.2	131.7	133.2	136.2	138.8	144.3	149.4	153.9	157.0
65°	126.1	125.6	122.5	123.1	124.1	127.1	129.1	134.2	139.3	143.3	145.8
67.5°	113.4	112.4	112.4	113.9	114.4	116.0	117.5	122.5	126.6	129.6	132.7
70°	100.8	100.3	100.3	101.3	100.8	102.3	104.3	108.9	113.9	117.0	120.0
72.5°	88.6	88.6	88.1	89.1	89.1	89.6	92.2	96.2	100.8	103.3	105.3
75°	78.0	77.5	77.5	77.5	78.0	78.0	80.5	84.1	88.6	90.1	93.2
77.5°	68.4	68.4	68.4	68.4	68.9	68.4	69.9	72.4	73.9	76.5	76.5
80°	60.3	59.8	60.3	60.8	60.8	60.3	60.3	60.8	61.3	61.3	61.3
82.5°	53.2	51.7	52.7	55.2	55.2	55.2	54.7	51.1	48.6	48.6	49.6
85°	42.5	42.5	43.0	46.6	47.1	45.1	47.1	42.0	37.0	35.4	36.5
87.5°	26.3	20.8	25.3	28.9	28.9	27.3	30.4	28.4	23.8	19.2	18.2
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	846.2	0°
2.5°	829.5	830.0	833.0	834.5	834.5	836.6	837.6	840.6	840.1	840.1	841.1	2.5°
5°	828.5	830.0	833.0	835.0	836.1	838.6	840.6	844.2	843.7	844.7	845.2	5°
7.5°	824.9	829.0	832.0	836.1	839.6	841.6	844.2	847.2	846.2	846.7	846.2	7.5°
10°	821.9	825.9	832.0	837.6	842.6	845.7	847.2	850.7	850.2	851.2	851.2	10°
12.5°	809.7	816.8	824.4	833.0	840.6	848.7	853.8	861.4	864.9	869.5	874.5	12.5°
15°	778.8	786.9	799.1	808.7	823.4	834.5	849.2	863.9	877.1	889.7	904.4	15°
17.5°	748.5	752.0	761.6	774.8	787.9	804.7	822.4	848.7	872.5	898.3	926.7	17.5°
20°	692.2	698.3	704.9	720.6	736.3	760.1	781.9	816.3	851.2	891.8	935.3	20°
22.5°	622.9	628.9	636.0	653.8	673.0	697.3	723.6	762.1	808.7	861.4	919.6	22.5°
25°	547.9	551.5	557.0	574.8	586.4	618.3	650.2	690.2	740.9	808.7	876.6	25°
27.5°	465.4	472.0	476.5	484.6	511.5	538.8	572.2	615.3	676.5	745.9	828.0	27.5°
30°	386.4	391.9	389.4	406.6	424.4	453.2	489.2	536.8	595.5	678.1	772.8	30°
32.5°	308.9	313.0	311.4	323.6	341.3	370.2	404.1	455.8	518.0	606.2	709.0	32.5°
35°	254.7	255.7	261.3	266.9	282.1	305.4	334.2	379.3	443.1	524.1	633.0	35°
37.5°	229.4	231.4	235.0	242.6	253.7	270.4	294.2	329.2	383.8	455.2	552.5	37.5°
40°	221.8	223.3	225.3	230.4	241.0	255.7	277.0	306.4	346.4	406.6	485.6	40°
42.5°	218.3	218.3	218.3	221.3	229.4	245.1	269.4	298.3	333.2	378.8	442.6	42.5°
45°	213.2	213.2	212.7	214.2	219.8	235.5	261.8	294.2	331.7	375.2	430.4	45°
47.5°	207.6	207.1	205.6	205.6	209.1	224.8	252.2	287.1	328.1	378.3	437.5	47.5°
50°	192.4	192.4	192.4	193.9	197.0	211.2	240.5	277.5	324.6	380.3	448.7	50°
52.5°	183.8	184.3	185.8	185.8	188.9	203.6	234.5	275.5	326.6	387.9	462.8	52.5°
55°	179.8	181.3	182.8	182.8	185.3	200.5	232.4	277.0	334.2	403.6	487.2	55°
57.5°	176.2	177.7	178.8	178.8	180.8	193.9	226.9	274.5	338.8	418.8	517.0	57.5°
60°	169.6	170.7	171.2	171.2	171.7	182.8	214.2	262.3	328.7	417.8	533.2	60°
62.5°	157.5	159.5	160.0	160.5	160.5	171.2	198.0	242.6	306.9	402.6	528.7	62.5°
65°	148.4	149.4	150.9	151.9	153.9	161.0	182.3	218.8	278.5	372.2	503.4	65°
67.5°	134.2	135.7	137.2	139.3	141.3	145.8	162.6	191.9	240.0	320.5	446.6	67.5°
70°	121.5	122.0	123.6	126.1	126.6	129.1	141.3	161.5	196.5	257.2	359.5	70°
72.5°	105.8	106.8	108.9	111.9	111.9	113.9	121.0	131.7	153.9	196.5	265.4	72.5°
75°	92.2	93.2	94.7	94.7	92.2	92.7	97.7	105.3	122.0	147.9	193.4	75°
77.5°	76.5	78.5	80.0	77.0	76.0	77.5	80.0	85.6	97.7	117.5	145.3	77.5°
80°	63.3	64.3	64.8	65.3	64.3	65.8	67.9	71.4	79.5	94.7	115.0	80°
82.5°	50.6	51.7	53.2	55.2	55.2	60.8	61.3	61.3	65.8	75.5	90.1	82.5°
85°	37.5	39.5	41.5	44.1	44.6	47.6	46.1	45.6	47.1	56.2	62.3	85°
87.5°	19.2	20.8	21.8	23.8	21.3	22.3	22.3	20.8	18.2	22.8	25.3	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°
846.2	846.2	846.2	846.2	846.2	846.2	846.2
842.1	841.1	842.1	842.1	843.7	842.6	896.3
846.2	845.2	846.2	847.2	848.7	848.7	908.0
846.7	846.7	845.7	848.2	850.2	852.3	919.1
852.8	852.8	853.8	854.3	858.8	863.9	937.3
877.6	880.1	884.7	886.2	894.3	899.9	983.9
915.6	929.7	938.9	941.9	949.0	959.6	1062.4
954.0	977.8	1002.7	1017.9	1027.0	1039.6	1158.6
982.9	1027.5	1070.0	1108.0	1129.8	1154.6	1293.3
985.4	1056.3	1128.2	1198.6	1256.9	1303.0	1475.6
961.1	1054.3	1153.6	1261.4	1361.7	1444.7	1685.3
930.2	1044.7	1171.3	1309.0	1440.7	1563.2	1839.7
891.3	1028.5	1174.3	1329.3	1483.7	1631.1	1927.8
832.0	980.4	1137.9	1309.0	1488.3	1667.6	1984.6
756.0	907.5	1069.0	1264.0	1467.0	1682.2	2032.2
678.6	828.0	1001.6	1203.7	1433.1	1679.7	2051.4
596.5	744.9	922.7	1139.4	1387.0	1656.4	2047.9
540.8	676.0	850.2	1074.1	1335.9	1625.5	2024.1
508.4	626.9	793.0	1014.3	1289.3	1588.6	1994.2
507.9	612.2	762.6	971.8	1242.2	1547.5	1953.7
525.6	621.3	759.1	953.5	1216.4	1517.7	1909.6
546.4	646.7	777.8	960.1	1215.9	1504.5	1878.7
579.3	689.7	818.8	988.5	1229.0	1502.5	1840.7
621.3	747.9	892.8	1058.4	1280.2	1542.5	1843.3
664.4	816.3	989.5	1177.9	1380.9	1635.7	1923.3
680.1	869.0	1087.7	1318.1	1531.8	1775.4	2088.4
666.4	881.1	1147.5	1427.0	1678.7	1939.0	2285.4
615.8	832.0	1123.2	1457.9	1763.3	2054.9	2482.3
506.9	710.0	1012.8	1388.5	1756.7	2078.7	2553.2
371.7	550.5	823.4	1179.9	1561.7	1929.9	2446.9
268.4	389.4	594.5	888.7	1234.6	1554.1	2052.4
192.4	269.9	385.9	583.9	841.1	1082.2	1463.0
138.2	183.3	240.5	350.4	512.5	664.4	919.1
101.8	125.6	158.0	217.7	301.8	386.9	553.5
69.4	73.9	95.2	128.6	198.0	284.6	375.7
26.3	29.9	34.9	52.7	88.6	101.8	71.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)