

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: P158124

Luminaire Tested: **VTS-F05-LED-E1-SL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158124
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F05-LED-E1-SL2-7030
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

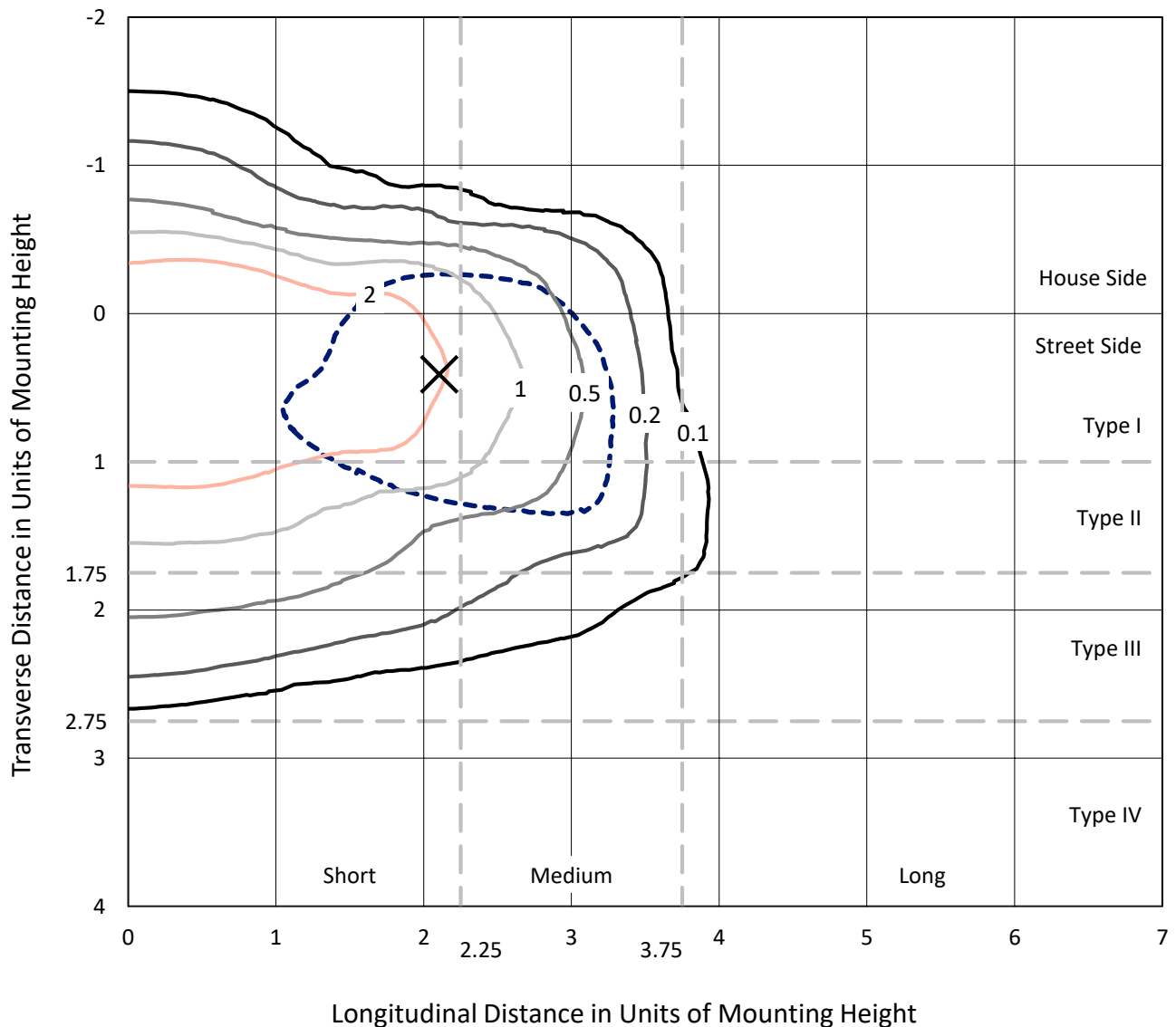
Lumens per Lamp: N/A
Luminaire Lumens: 11343 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 133.3
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

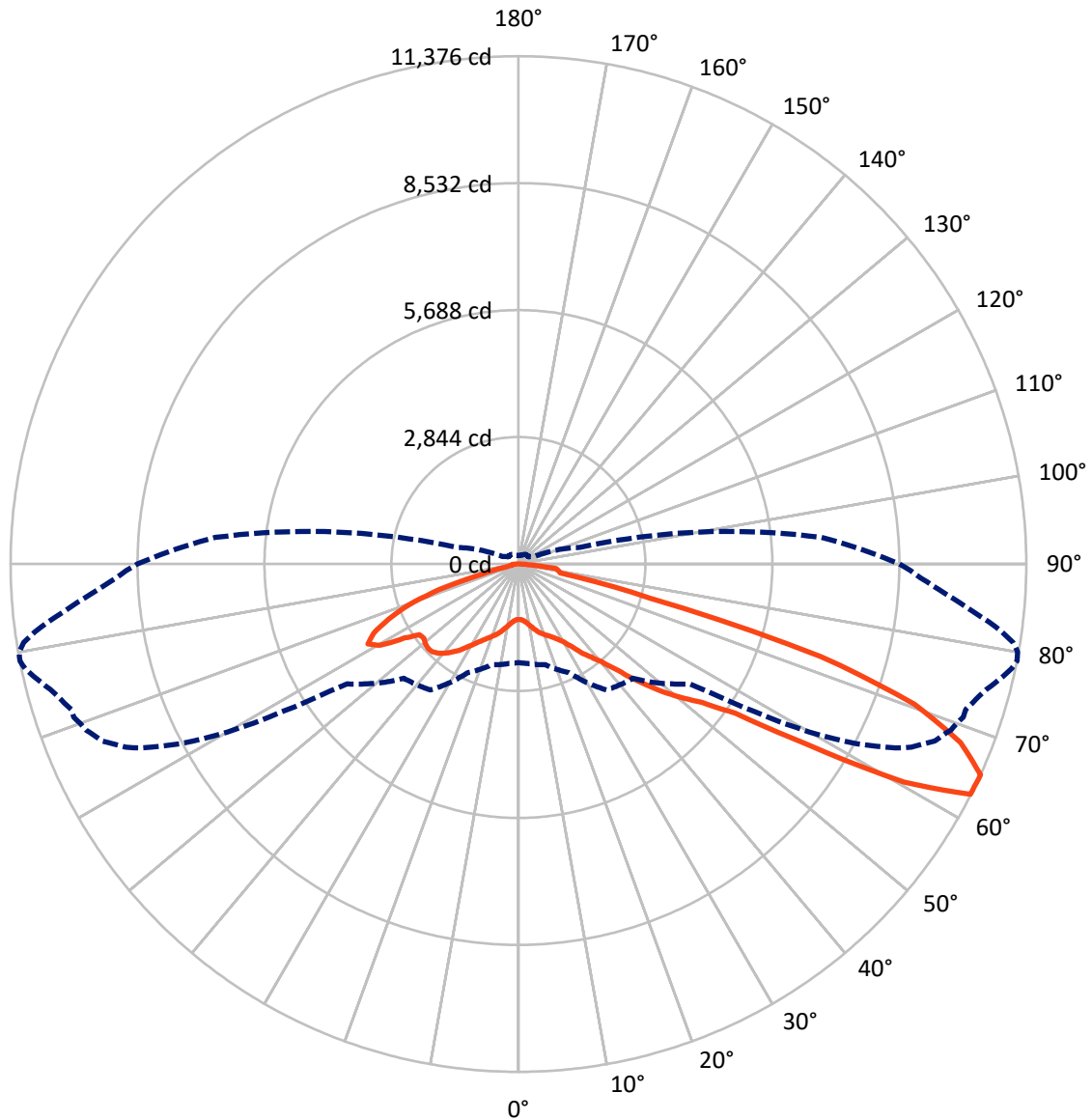


Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2606.4	0.0	2606.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8736.6	0.0	8736.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	11343.0	0.0	11343.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	1.1
10°-20°	398.8	3.5
20°-30°	687.5	6.1
30°-40°	1126.1	9.9
40°-50°	1885.8	16.6
50°-60°	2550.8	22.5
60°-70°	3141.3	27.7
70°-80°	1216.0	10.7
80°-90°	213.8	1.9
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°	11343.0	100.0
0°-180°	11343.0	100.0



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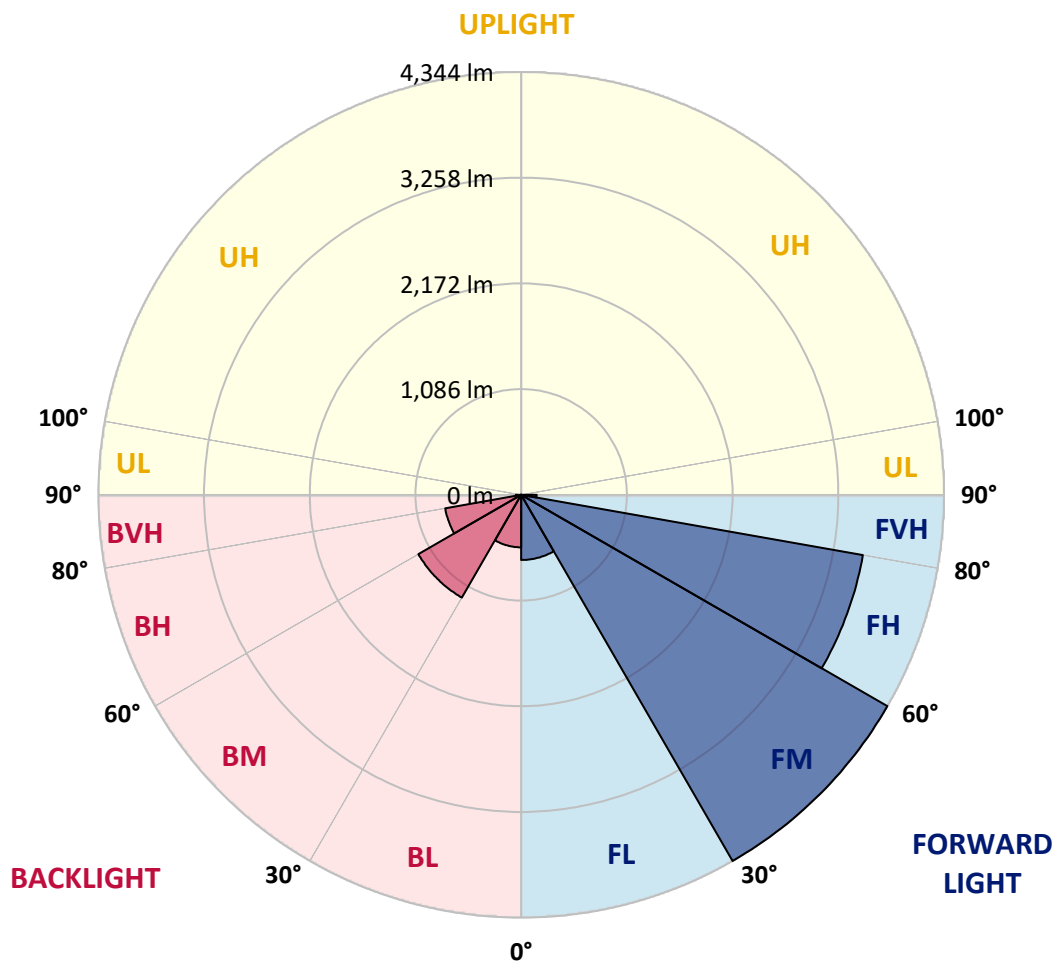
CATALOG NUMBER: VTS-F05-LED-E1-SL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.7	5.9			
FM (30°-60°)	4343.9	38.3			
FH (60°-80°)	3564.4	31.4			G2/5000
FVH (80°-90°)	158.7	1.4			G2/225
BL (0°-30°)	539.4	4.8	B2/1000		
BM (30°-60°)	1218.9	10.7	B2/2500		
BH (60°-80°)	793.0	7.0	B2/1000		G2/1000
BVH (80°-90°)	55.2	0.5			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1243.3	1239.6	1243.3	1246.4	1248.6	1251.6	1250.9	1250.1	1249.4	1250.1	1250.1
5°	1253.9	1253.1	1256.9	1259.9	1265.2	1269.0	1273.5	1273.5	1273.5	1272.7	1274.2
7.5°	1287.8	1287.1	1290.8	1293.9	1298.4	1305.9	1311.9	1315.0	1314.2	1314.2	1314.2
10°	1343.6	1340.6	1340.6	1340.6	1346.6	1351.9	1365.5	1367.0	1370.0	1368.5	1369.3
12.5°	1397.9	1398.7	1396.4	1394.1	1394.9	1405.4	1425.0	1428.8	1429.6	1431.8	1433.3
15°	1446.9	1446.2	1440.9	1435.6	1442.4	1460.5	1486.1	1492.9	1492.9	1497.4	1500.4
17.5°	1492.2	1490.6	1480.8	1471.8	1478.6	1509.5	1549.5	1554.0	1560.8	1563.0	1566.0
20°	1545.7	1542.7	1531.4	1507.2	1507.2	1549.5	1602.2	1606.8	1612.8	1614.3	1619.6
22.5°	1620.3	1612.8	1588.7	1544.9	1532.9	1581.9	1646.7	1649.0	1653.5	1659.5	1664.1
25°	1704.8	1706.3	1667.1	1590.9	1564.5	1615.8	1689.7	1693.5	1701.8	1706.3	1711.6
27.5°	1792.2	1794.5	1750.8	1655.8	1611.3	1662.6	1747.8	1752.3	1762.1	1767.4	1775.7
30°	1891.8	1894.8	1852.6	1756.8	1688.9	1731.2	1833.7	1845.8	1854.1	1860.9	1874.4
32.5°	2130.8	2112.7	2083.3	1981.5	1874.4	1871.4	1972.4	1986.0	1997.3	2011.7	2024.5
35°	2431.6	2442.9	2458.0	2389.4	2295.2	2226.5	2234.8	2227.3	2237.9	2259.0	2271.8
37.5°	2669.9	2694.8	2760.4	2804.9	2801.1	2787.5	2660.8	2660.8	2667.6	2656.3	2654.8
40°	2856.9	2872.7	3006.9	3179.6	3325.1	3396.7	3296.5	3282.1	3289.7	3231.6	3233.9
42.5°	2953.4	2976.8	3169.8	3472.9	3761.7	3991.6	3960.7	3950.9	3928.3	3914.0	3904.9
45°	3002.4	3030.3	3260.3	3676.5	4097.2	4452.3	4612.2	4610.7	4590.3	4573.7	4566.2
47.5°	2977.5	3001.6	3246.7	3738.3	4273.6	4749.4	5103.0	5124.9	5118.9	5143.0	5152.8
50°	2814.7	2845.6	3091.4	3604.8	4199.7	4866.3	5443.1	5483.8	5538.8	5573.5	5619.5
52.5°	2667.6	2693.3	2914.9	3388.4	3957.0	4771.3	5648.2	5731.9	5807.3	5878.1	5933.2
55°	2513.8	2539.5	2734.0	3163.8	3711.9	4490.8	5741.7	5863.8	5981.4	6101.3	6211.4
57.5°	2455.8	2482.9	2627.7	2989.6	3511.3	4212.6	5787.7	5988.2	6179.7	6383.3	6594.4
60°	2606.6	2630.7	2740.8	2994.1	3358.3	3934.3	5694.9	6010.1	6339.6	6675.1	6999.3
62.5°	2560.6	2573.4	2710.6	3103.4	3553.6	3659.9	5293.0	5709.2	6188.0	6679.6	7176.5
65°	2209.2	2234.1	2337.4	2682.7	3444.2	3622.9	4680.8	5099.3	5664.0	6245.3	6911.1
67.5°	1584.9	1550.2	1630.1	1932.5	2672.2	3616.9	3991.6	4301.5	4744.1	5189.7	5735.6
70°	720.1	703.5	766.1	1005.1	1612.0	2858.4	3374.9	3479.7	3644.1	3944.1	4312.8
72.5°	284.3	283.5	324.2	415.5	762.3	1839.7	2838.0	2898.4	2956.4	3086.8	3245.9
75°	186.2	186.2	198.3	223.9	375.5	888.2	2400.7	2455.8	2544.7	2581.7	2649.5
77.5°	140.2	141.0	146.3	152.3	207.3	467.5	1694.2	1889.5	2040.3	2152.7	2234.8
80°	99.5	104.1	113.9	117.6	135.0	266.2	957.6	1098.6	1269.0	1450.7	1679.1
82.5°	74.6	79.9	96.5	101.0	107.1	151.6	432.0	490.1	572.3	741.9	1066.9
85°	34.7	38.5	66.4	72.4	77.7	87.5	219.4	245.0	278.2	304.6	355.1
87.5°	5.3	3.8	11.3	15.8	24.9	25.6	75.4	89.7	97.3	116.9	121.4
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1250.1	1250.9	1251.6	1250.1	1250.9	1250.9	1249.4	1248.6	1248.6	1248.6	1249.4
5°	1274.2	1275.8	1274.2	1275.0	1278.0	1277.3	1275.8	1275.0	1278.0	1278.8	1276.5
7.5°	1317.2	1318.0	1315.0	1318.7	1320.2	1321.0	1321.0	1322.5	1322.5	1324.8	1322.5
10°	1372.3	1372.3	1377.5	1376.8	1377.5	1379.1	1379.8	1382.8	1385.1	1385.1	1386.6
12.5°	1435.6	1436.4	1441.6	1442.4	1445.4	1446.2	1450.7	1447.7	1455.2	1455.2	1457.5
15°	1501.2	1506.5	1507.2	1514.8	1516.3	1517.0	1523.1	1523.1	1528.3	1529.1	1530.6
17.5°	1566.0	1570.6	1573.6	1579.6	1584.9	1587.2	1589.4	1593.9	1597.7	1599.2	1603.0
20°	1621.8	1626.4	1629.4	1635.4	1639.9	1643.7	1646.0	1651.2	1655.0	1656.5	1661.8
22.5°	1668.6	1671.6	1676.9	1685.2	1686.7	1691.2	1698.0	1701.8	1703.3	1707.8	1713.8
25°	1718.4	1722.9	1725.9	1733.4	1739.5	1747.0	1753.0	1759.1	1760.6	1766.6	1771.9
27.5°	1784.7	1789.2	1790.0	1805.1	1811.1	1821.6	1828.4	1837.5	1842.0	1847.3	1857.8
30°	1882.7	1893.3	1897.8	1915.1	1918.2	1930.2	1942.3	1945.3	1952.1	1952.8	1970.2
32.5°	2032.8	2047.8	2053.9	2072.0	2076.5	2087.8	2094.6	2110.4	2111.2	2118.7	2122.5
35°	2278.6	2274.8	2298.2	2302.7	2316.3	2326.1	2332.9	2332.9	2347.2	2347.9	2352.5
37.5°	2614.1	2606.6	2612.6	2585.4	2592.2	2580.2	2577.9	2580.9	2574.9	2576.4	2575.6
40°	3150.9	3117.0	3081.6	2997.9	2979.8	2945.1	2918.0	2896.1	2875.0	2852.4	2837.3
42.5°	3824.3	3775.2	3722.5	3588.3	3525.7	3458.6	3393.0	3355.3	3279.9	3233.9	3209.0
45°	4530.0	4472.7	4398.8	4287.2	4198.2	4126.6	4006.7	3950.2	3833.3	3775.2	3696.8
47.5°	5108.3	5109.1	5049.5	4936.4	4841.4	4793.9	4719.2	4609.9	4477.2	4402.6	4263.1
50°	5614.2	5613.5	5609.7	5541.9	5475.5	5423.5	5357.9	5259.1	5150.5	5066.1	4906.2
52.5°	5988.2	6038.0	6059.1	6058.3	6050.0	6025.9	5976.2	5891.0	5780.9	5733.4	5605.9
55°	6297.4	6405.9	6462.5	6586.1	6597.4	6637.4	6593.7	6594.4	6529.6	6534.1	6493.4
57.5°	6765.6	6963.9	7077.7	7351.4	7488.7	7654.5	7625.1	7763.9	7814.4	7878.5	7963.7
60°	7297.1	7667.4	7937.3	8481.7	8703.3	8971.8	9119.6	9277.1	9391.7	9509.4	9596.1
62.5°	7677.2	8163.5	8606.8	9382.7	9670.7	9953.5	10139.7	10330.5	10459.4	10543.8	10606.4
65°	7521.8	8059.4	8583.5	9397.0	9710.7	9915.8	10137.4	10247.5	10376.5	10446.6	10536.3
67.5°	6391.6	6930.7	7492.4	8452.3	8780.3	9063.8	9236.4	9378.9	9483.0	9571.9	9675.2
70°	4753.2	5342.8	5923.4	6975.9	7389.9	7799.3	8002.9	8179.3	8287.9	8377.6	8491.5
72.5°	3420.9	3790.3	4153.0	5331.5	5745.4	6274.7	6485.9	6681.9	6822.9	6818.4	6939.0
75°	2723.4	2873.5	3034.8	3643.3	3940.4	4386.7	4505.1	4615.2	4548.8	4421.4	4413.9
77.5°	2267.3	2329.1	2383.4	2574.1	2617.9	2724.2	2665.4	2604.3	2407.5	2241.6	2154.2
80°	1840.5	1962.6	2042.6	2178.3	2234.1	2265.8	2274.0	2252.9	2180.5	2080.3	1920.4
82.5°	1368.5	1600.7	1759.1	2026.0	2124.0	2144.4	2183.6	2159.4	2111.9	2030.5	1915.9
85°	401.1	453.9	520.3	705.7	827.1	930.4	1036.0	1088.0	1120.4	1075.2	956.8
87.5°	141.0	159.1	177.9	245.0	260.9	315.2	309.1	364.9	367.2	383.0	366.4
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1248.6	1248.6	1248.6	1249.4	1249.4	1249.4	1247.9	1247.1	1247.9	1249.4	1249.4
5°	1278.0	1278.8	1280.3	1277.3	1278.0	1280.3	1278.8	1278.0	1278.8	1280.3	1278.8
7.5°	1325.5	1326.3	1324.8	1327.8	1327.8	1329.3	1331.6	1329.3	1330.0	1330.8	1331.6
10°	1387.3	1388.1	1389.6	1391.9	1392.6	1394.1	1395.6	1397.9	1397.9	1396.4	1400.2
12.5°	1461.2	1460.5	1462.0	1465.0	1466.5	1468.8	1473.3	1473.3	1476.3	1475.6	1479.3
15°	1533.6	1537.4	1538.1	1543.4	1545.7	1549.5	1554.7	1557.8	1557.8	1562.3	1563.8
17.5°	1606.0	1609.0	1612.0	1616.6	1619.6	1621.8	1627.9	1631.6	1630.9	1639.2	1639.2
20°	1661.8	1667.8	1671.6	1674.6	1679.9	1683.7	1688.2	1692.7	1695.7	1701.0	1702.5
22.5°	1716.1	1719.9	1725.1	1728.9	1734.9	1739.5	1744.7	1748.5	1753.8	1760.6	1762.8
25°	1776.4	1782.4	1788.5	1793.8	1798.3	1803.6	1812.6	1820.9	1828.4	1834.5	1836.7
27.5°	1860.1	1866.9	1875.9	1879.7	1886.5	1891.0	1904.6	1915.1	1918.9	1929.5	1932.5
30°	1973.2	1980.7	1989.8	1994.3	2006.4	2012.4	2026.7	2038.0	2041.8	2054.6	2056.9
32.5°	2136.8	2141.3	2159.4	2158.7	2175.3	2192.6	2200.9	2210.0	2226.5	2233.3	2235.6
35°	2363.8	2374.3	2387.1	2386.4	2407.5	2417.3	2433.9	2443.7	2455.8	2455.0	2467.8
37.5°	2583.2	2587.0	2591.5	2601.3	2616.4	2629.9	2636.0	2645.8	2654.8	2668.4	2685.0
40°	2822.2	2831.2	2832.0	2837.3	2844.8	2862.2	2873.5	2884.0	2914.9	2934.5	2944.3
42.5°	3180.3	3178.1	3163.0	3172.8	3177.3	3203.7	3212.0	3244.4	3279.1	3320.6	3331.9
45°	3641.0	3610.9	3601.8	3598.1	3622.2	3635.8	3669.7	3730.0	3766.2	3805.4	3824.3
47.5°	4208.0	4113.8	4069.3	4059.5	4084.4	4142.4	4153.8	4213.3	4260.8	4289.5	4308.3
50°	4775.8	4701.9	4608.4	4576.7	4570.0	4623.5	4636.3	4686.1	4734.3	4742.6	4732.8
52.5°	5489.1	5368.4	5213.9	5158.1	5113.6	5117.4	5127.9	5149.0	5179.9	5167.1	5140.7
55°	6401.4	6264.2	6188.0	6082.5	6015.4	6003.3	5957.3	5894.0	5891.7	5900.0	5820.8
57.5°	7920.7	7863.4	7895.8	7884.5	7818.2	7858.1	7650.8	7592.0	7545.2	7463.8	7390.6
60°	9673.0	9731.8	9798.9	9953.5	9946.7	10102.0	9958.0	9921.8	9878.1	9627.0	9504.1
62.5°	10715.8	10739.1	10837.9	10981.9	11123.7	11272.2	11339.3	11362.7	11271.4	11066.4	10810.0
65°	10534.0	10637.3	10733.1	10857.5	11003.0	11151.6	11293.3	11376.3	11355.1	11219.4	10937.4
67.5°	9708.4	9817.0	9957.2	10087.7	10244.5	10373.4	10528.8	10681.1	10685.6	10617.7	10421.7
70°	8503.5	8629.5	8774.2	8847.4	9017.0	9133.9	9262.8	9413.6	9462.6	9470.9	9242.5
72.5°	6913.4	6966.1	7037.0	6998.6	7032.5	7107.1	7072.5	7084.5	6898.3	6933.0	6651.0
75°	4210.3	4162.0	3947.9	3752.6	3514.4	3331.1	3374.9	3025.0	2680.4	2663.1	2414.3
77.5°	2135.3	2058.4	1925.7	1787.7	1585.6	1354.2	1161.1	953.0	777.4	677.1	581.3
80°	1818.6	1764.3	1691.2	1590.9	1443.9	1272.7	1071.4	913.1	766.1	613.0	490.8
82.5°	1740.2	1574.3	1468.0	1384.3	1225.2	1066.9	956.8	848.2	744.2	649.9	515.0
85°	863.3	763.8	646.2	573.0	441.1	345.3	323.5	266.2	248.1	191.5	161.4
87.5°	290.3	237.5	177.2	149.3	119.1	97.3	95.8	85.2	84.4	76.9	70.9
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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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1248.6	1250.1	1250.1	1248.6	1249.4	1247.9	1248.6	1249.4	1247.1	1246.4	1244.1
5°	1279.5	1278.8	1278.8	1279.5	1281.8	1282.5	1278.8	1280.3	1281.0	1277.3	1269.0
7.5°	1330.8	1330.8	1333.1	1332.3	1336.8	1335.3	1334.6	1334.6	1334.6	1327.0	1313.5
10°	1400.2	1400.2	1402.4	1405.4	1406.2	1404.7	1404.7	1405.4	1409.2	1394.1	1373.0
12.5°	1477.8	1481.6	1480.8	1480.8	1489.9	1487.6	1484.6	1487.6	1491.4	1470.3	1440.1
15°	1564.5	1566.8	1568.3	1573.6	1572.1	1577.4	1578.9	1577.4	1581.1	1554.0	1503.5
17.5°	1643.0	1647.5	1649.0	1655.0	1655.0	1655.8	1661.8	1659.5	1660.3	1629.4	1557.0
20°	1707.8	1712.3	1714.6	1721.4	1722.9	1725.9	1728.2	1729.7	1733.4	1696.5	1600.7
22.5°	1772.6	1776.4	1780.2	1784.7	1790.7	1794.5	1797.5	1799.0	1805.8	1762.8	1642.2
25°	1845.0	1853.3	1857.1	1864.6	1870.7	1876.7	1881.2	1882.0	1893.3	1839.7	1676.1
27.5°	1941.5	1952.8	1958.9	1970.9	1977.0	1983.0	1981.5	1990.5	2006.4	1928.0	1702.5
30°	2068.2	2082.5	2086.3	2098.4	2108.2	2114.2	2121.0	2128.5	2139.1	2026.0	1715.3
32.5°	2244.6	2266.5	2271.8	2278.6	2292.9	2303.5	2308.0	2320.0	2323.1	2118.7	1711.6
35°	2486.7	2476.9	2502.5	2508.5	2528.9	2537.2	2542.5	2558.3	2546.2	2219.8	1686.7
37.5°	2705.3	2702.3	2727.2	2740.8	2767.2	2761.1	2773.9	2784.5	2741.5	2291.4	1640.7
40°	2972.2	2968.5	3003.2	3007.7	3048.4	3039.3	3044.6	3052.9	2957.2	2341.1	1557.0
42.5°	3344.7	3346.2	3383.2	3387.7	3393.0	3409.6	3382.4	3383.9	3186.4	2354.7	1419.0
45°	3835.6	3862.0	3839.3	3840.1	3838.6	3806.9	3773.0	3733.0	3424.6	2308.0	1241.1
47.5°	4311.3	4293.2	4264.6	4238.2	4216.3	4166.6	4116.8	4048.9	3630.5	2197.1	1042.8
50°	4718.5	4677.8	4652.1	4579.0	4527.0	4462.1	4392.8	4315.1	3799.4	2037.3	857.3
52.5°	5097.0	5054.8	4959.0	4882.9	4808.2	4722.3	4641.6	4550.4	3948.7	1854.8	715.5
55°	5725.8	5688.9	5593.1	5453.6	5361.6	5243.3	5137.0	5013.3	4251.0	1707.0	622.0
57.5°	7189.3	7157.7	6956.3	6868.1	6746.7	6449.7	6405.9	6212.9	5061.6	1689.7	567.0
60°	9250.0	9114.3	8946.9	8705.6	8421.4	8323.3	8104.7	7847.6	6366.0	1737.2	522.5
62.5°	10515.2	10206.1	9960.3	9682.0	9420.4	9195.7	8956.7	8702.6	7033.3	1674.6	467.5
65°	10610.2	10246.8	9921.8	9595.3	9301.3	9021.5	8789.3	8535.2	6816.1	1439.4	395.8
67.5°	10086.9	9703.9	9349.5	8979.3	8682.2	8429.6	8134.1	7889.8	6203.9	1120.4	329.5
70°	9008.0	8671.7	8366.3	7967.4	7720.9	7413.3	7225.5	6920.2	5407.6	763.8	272.2
72.5°	6488.1	6234.8	6135.2	5857.0	5534.3	5353.4	5266.6	4970.3	3996.2	474.3	222.4
75°	2191.9	2254.4	2111.2	1891.8	1998.8	1833.7	1900.8	1759.8	1690.5	272.2	187.0
77.5°	486.3	456.9	422.2	392.1	389.8	366.4	388.3	367.2	392.8	173.4	165.1
80°	383.8	303.1	257.9	235.2	223.2	216.4	211.1	205.1	187.0	147.8	152.3
82.5°	414.7	312.9	229.2	183.2	156.8	147.0	144.8	138.7	137.2	143.3	153.8
85°	132.7	110.8	94.2	89.0	82.2	78.4	76.9	74.6	90.5	156.1	147.8
87.5°	69.4	61.1	54.3	52.0	45.2	42.2	41.5	42.2	63.3	156.1	107.1
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: P158124

CATALOG NUMBER: VTS-F05-LED-E1-SL2-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1241.8	1241.1	1239.6	1238.8	1238.1	1234.3	1237.3
5°	1265.2	1257.7	1250.9	1242.6	1238.1	1234.3	1234.3
7.5°	1300.6	1279.5	1262.2	1243.3	1230.5	1220.7	1219.2
10°	1345.1	1304.4	1264.4	1230.5	1206.4	1188.3	1186.0
12.5°	1387.3	1325.5	1262.2	1206.4	1168.7	1143.1	1141.5
15°	1426.6	1336.8	1244.8	1162.7	1106.1	1072.2	1068.4
17.5°	1457.5	1330.0	1205.6	1101.6	1024.7	984.7	982.5
20°	1464.3	1302.9	1149.8	1026.2	944.8	902.5	892.7
22.5°	1458.2	1253.9	1080.5	943.2	849.8	807.5	802.2
25°	1440.1	1194.3	994.5	846.7	760.0	717.0	706.5
27.5°	1407.7	1124.2	901.8	753.2	667.3	625.8	615.3
30°	1359.5	1039.8	803.0	665.8	576.8	543.6	533.1
32.5°	1292.3	937.2	705.7	576.1	502.2	475.8	471.2
35°	1199.6	819.6	603.9	502.2	447.9	432.0	429.8
37.5°	1081.2	702.0	518.7	449.4	410.2	400.4	398.9
40°	926.7	581.3	458.4	411.7	383.0	374.7	373.2
42.5°	767.6	490.8	413.9	381.5	358.1	350.6	348.3
45°	628.1	429.8	380.8	356.6	334.8	326.5	325.7
47.5°	524.0	394.3	353.6	334.0	312.2	302.4	303.1
50°	447.9	361.9	331.0	314.4	289.5	280.5	281.2
52.5°	395.8	329.5	309.9	291.0	269.9	260.9	260.9
55°	355.1	303.1	289.5	269.2	252.6	244.3	243.5
57.5°	322.0	282.0	269.9	253.3	236.8	227.0	227.0
60°	301.6	266.9	257.1	242.0	222.4	211.9	211.1
62.5°	289.5	262.4	254.1	233.0	211.1	200.6	198.3
65°	280.5	272.9	262.4	227.7	202.1	190.8	188.5
67.5°	281.2	297.8	282.7	230.7	199.1	182.5	179.5
70°	285.8	317.4	297.1	237.5	211.9	178.7	171.9
72.5°	263.1	287.3	267.7	226.2	206.6	171.9	163.6
75°	219.4	209.6	192.3	184.0	185.5	156.1	153.1
77.5°	177.9	156.1	139.5	146.3	156.1	133.5	130.4
80°	154.6	126.7	118.4	129.7	141.8	113.9	106.3
82.5°	144.8	107.1	101.8	135.0	148.5	98.0	86.0
85°	127.4	87.5	79.9	159.1	148.5	73.9	68.6
87.5°	85.2	52.0	49.8	116.9	101.8	51.3	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)