

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: P157884

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157884
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-F03-LED-E1-RW-7030
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7047 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

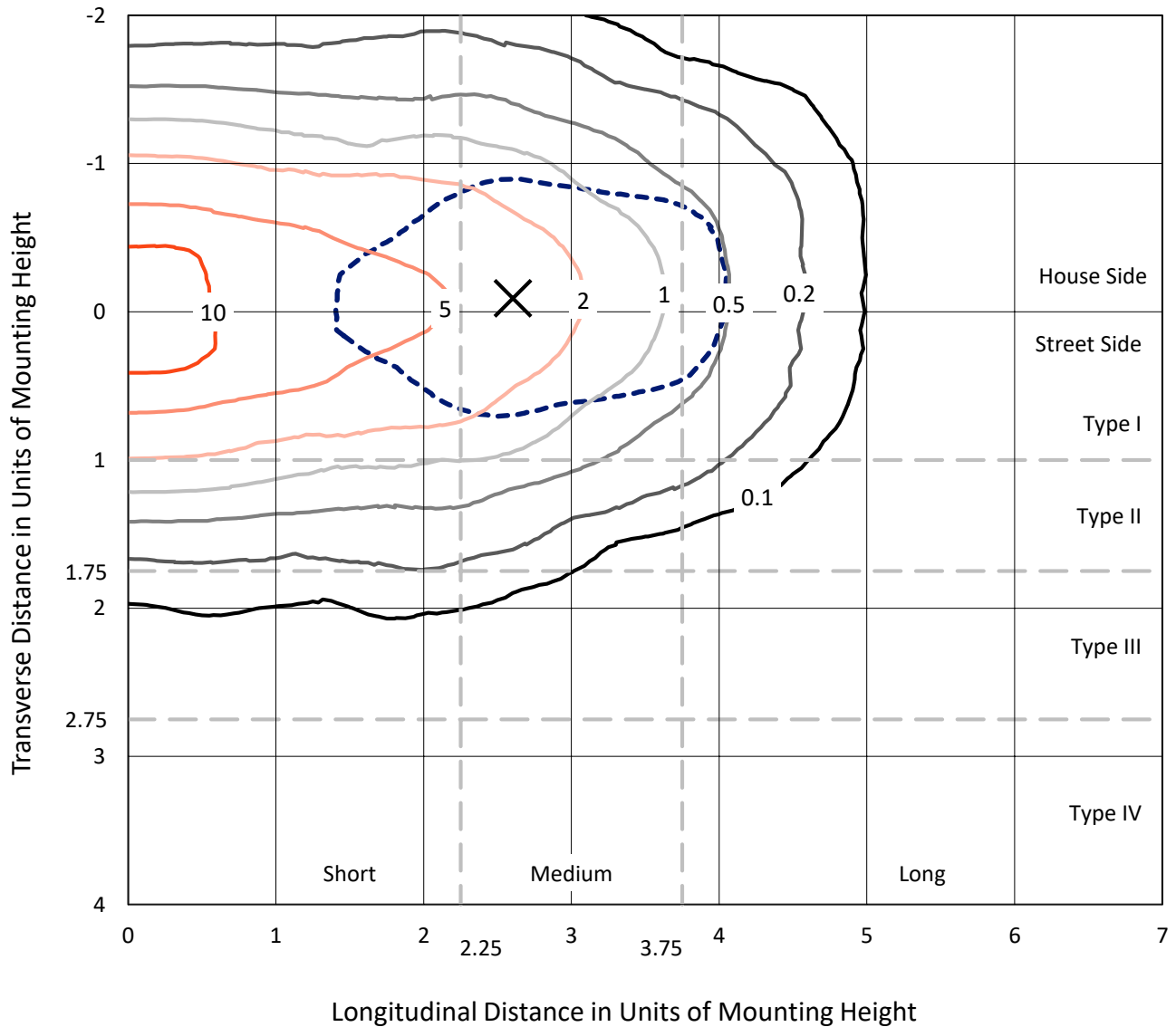
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

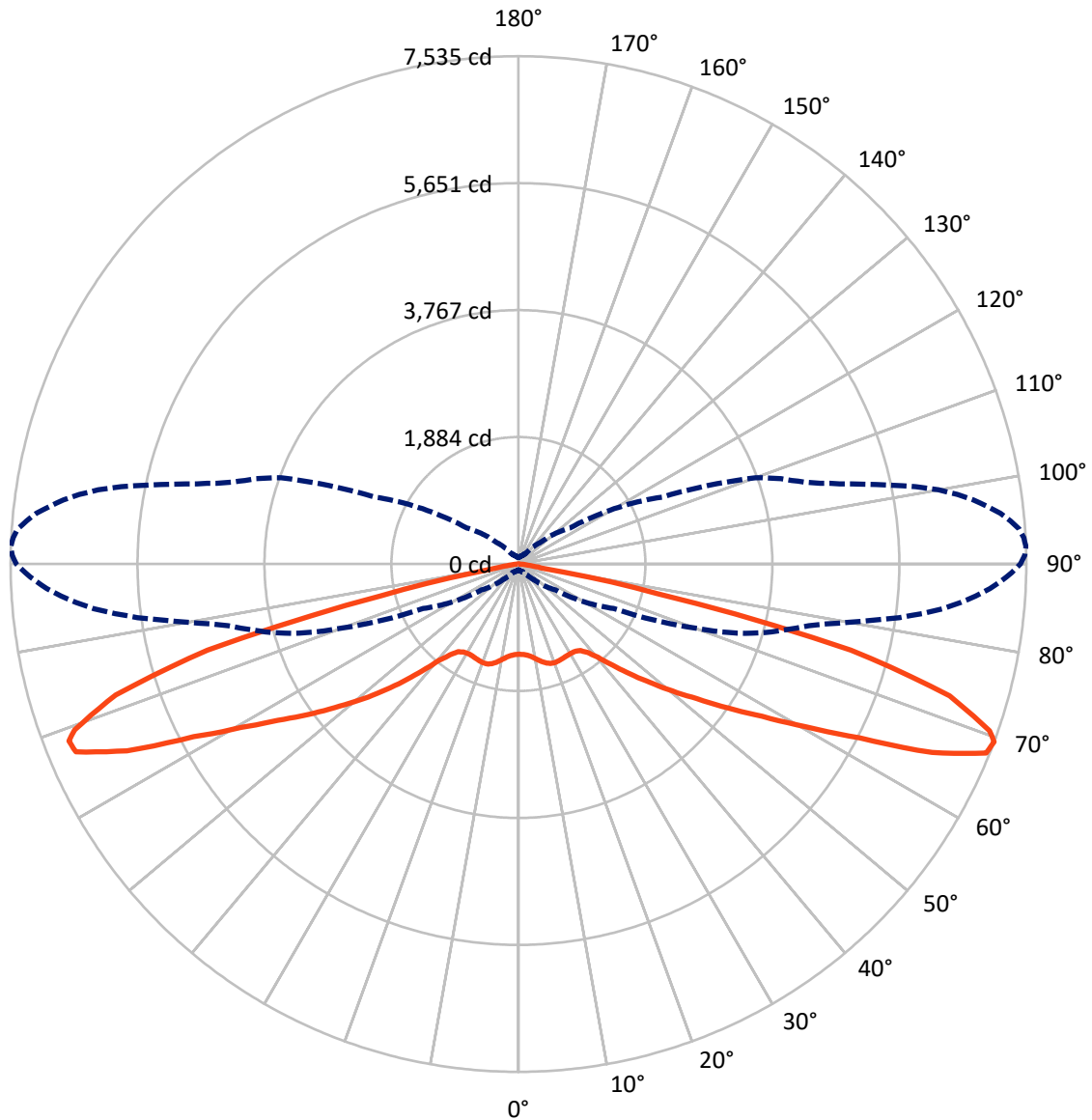


Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type I - Short - Full Cutoff

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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	3737.4	0.0	3737.4
	% Fixture	53.0	0.0	53.0
Street Side	Lumens	3309.6	0.0	3309.6
	% Fixture	47.0	0.0	47.0
Total	Lumens	7047.0	0.0	7047.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	1.9
10°-20°	413.8	5.9
20°-30°	671.3	9.5
30°-40°	836.7	11.9
40°-50°	1041.7	14.8
50°-60°	1284.7	18.2
60°-70°	1595.5	22.6
70°-80°	980.4	13.9
80°-90°	91.9	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°	7047.0	100.0
0°-180°	7047.0	100.0



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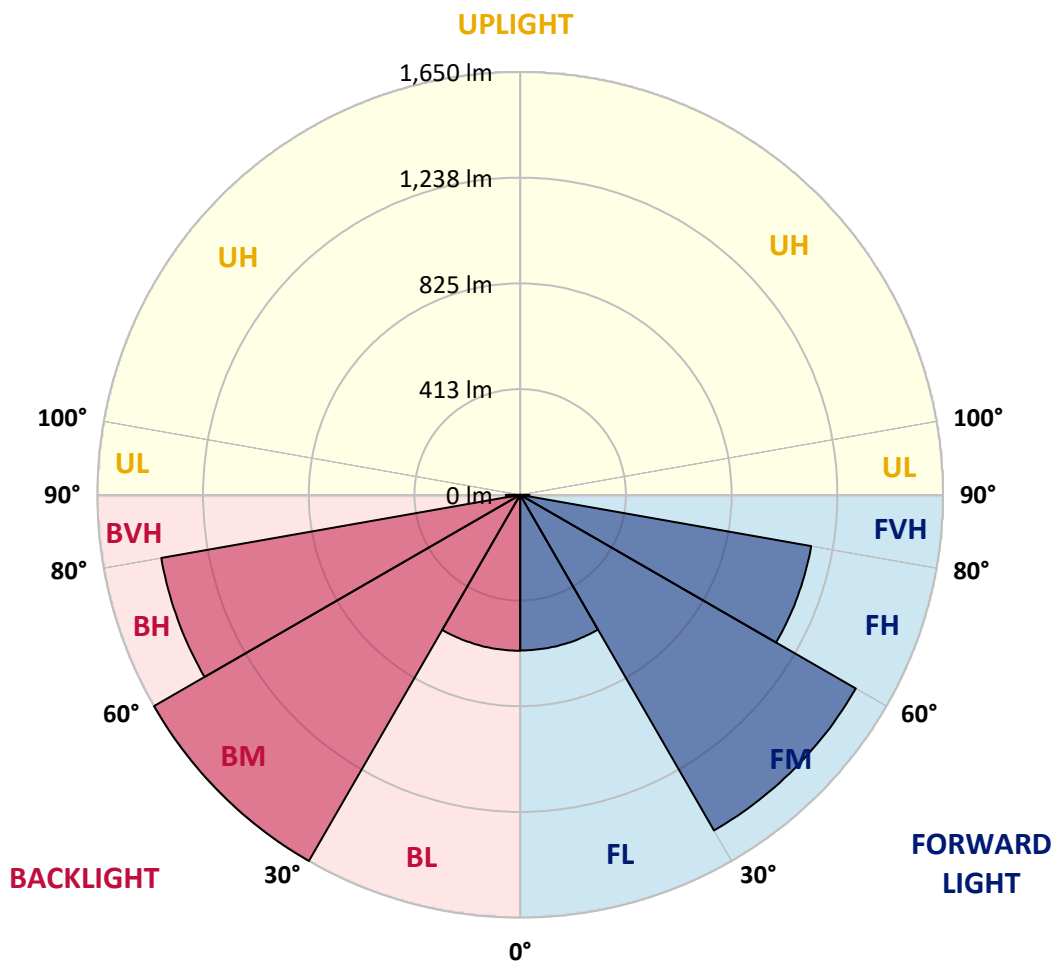
CATALOG NUMBER: VTS-F03-LED-E1-RW-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.4	8.6			
FM	(30°-60°)	1512.7	21.5			
FH	(60°-80°)	1153.5	16.4			G1/1800
FVH	(80°-90°)	36.0	0.5			G1/100
BL	(0°-30°)	608.7	8.6	B2/1000		
BM	(30°-60°)	1650.4	23.4	B2/2500		
BH	(60°-80°)	1422.4	20.2	B3/2500		G3/2500
BVH	(80°-90°)	55.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1359.9	1356.3	1359.5	1359.9	1359.5	1359.5	1355.4	1354.5	1349.0	1350.4	1349.9
5°	1378.5	1377.1	1379.4	1380.3	1381.2	1379.4	1376.2	1374.8	1371.2	1369.9	1369.4
7.5°	1395.6	1393.4	1397.0	1400.2	1402.4	1402.9	1403.3	1401.1	1401.1	1399.3	1399.3
10°	1410.1	1408.3	1414.2	1418.3	1425.5	1429.6	1434.1	1437.3	1439.1	1439.5	1439.1
12.5°	1416.5	1415.1	1424.6	1436.8	1450.4	1459.9	1471.2	1479.3	1481.6	1481.1	1483.4
15°	1405.6	1406.5	1421.0	1445.0	1473.9	1497.9	1513.7	1520.5	1522.3	1523.2	1523.7
17.5°	1376.2	1378.0	1398.8	1437.7	1488.4	1531.8	1555.3	1555.3	1551.7	1551.7	1551.3
20°	1329.1	1330.9	1358.1	1414.2	1488.8	1555.3	1588.8	1582.0	1568.5	1565.7	1563.0
22.5°	1264.0	1271.2	1301.1	1366.2	1469.4	1562.1	1609.6	1599.7	1578.4	1572.5	1568.5
25°	1190.3	1189.3	1225.1	1298.4	1422.3	1545.8	1615.5	1613.7	1591.1	1584.7	1577.5
27.5°	1106.1	1108.8	1141.8	1216.0	1350.4	1498.8	1605.6	1629.5	1611.0	1604.6	1597.9
30°	1019.7	1022.4	1053.6	1140.0	1268.5	1431.4	1585.2	1644.9	1637.7	1632.7	1628.2
32.5°	932.8	933.7	970.8	1063.6	1199.3	1350.9	1554.4	1658.9	1668.9	1666.6	1664.8
35°	851.4	852.3	892.6	986.7	1131.0	1282.1	1517.3	1679.3	1711.4	1714.1	1715.9
37.5°	772.2	773.6	814.8	913.4	1063.6	1230.1	1476.2	1710.5	1771.1	1781.1	1782.9
40°	693.5	694.9	734.2	838.7	995.3	1184.4	1444.5	1754.4	1851.7	1865.2	1879.3
42.5°	618.4	623.4	656.9	756.9	919.3	1127.8	1430.9	1807.8	1947.1	1968.4	1984.2
45°	548.3	548.8	586.8	680.4	829.2	1051.4	1421.9	1868.4	2053.9	2086.0	2107.7
47.5°	473.2	478.6	518.4	609.4	745.1	956.8	1392.9	1939.4	2170.1	2207.7	2251.6
50°	400.4	408.1	446.5	536.5	668.2	859.1	1315.1	2022.7	2300.9	2349.7	2400.4
52.5°	330.2	329.8	370.5	464.2	590.8	776.3	1188.9	2110.0	2452.0	2504.5	2559.2
55°	249.7	249.7	290.0	375.5	507.1	702.6	1053.6	2164.3	2592.2	2655.6	2715.3
57.5°	171.5	176.0	214.0	287.7	419.8	635.2	950.0	2133.0	2699.4	2778.2	2849.2
60°	127.1	131.6	159.7	206.7	328.4	555.5	872.2	1986.0	2764.1	2868.6	2960.9
62.5°	109.9	113.1	139.8	165.6	236.6	470.9	803.5	1799.2	2857.3	3000.3	3128.8
65°	98.2	101.3	128.0	143.0	185.0	378.7	765.0	1692.4	2968.6	3187.1	3373.5
67.5°	90.9	94.6	117.2	128.0	161.5	342.5	735.1	1667.5	2967.7	3232.8	3470.8
69°	87.3	90.0	108.6	120.3	156.1	331.6	670.5	1559.4	2771.8	3056.4	3295.3
70°	85.1	87.8	103.6	115.4	154.3	312.2	610.7	1416.5	2548.8	2835.2	3077.7
72.5°	77.8	80.5	92.3	103.1	128.5	208.6	425.7	906.6	1821.3	2025.8	2303.1
75°	68.8	71.9	81.0	90.0	97.3	120.8	245.7	470.5	1041.4	1196.6	1443.6
77.5°	56.1	59.3	68.8	83.2	82.3	91.8	159.7	289.1	487.7	604.9	696.2
80°	46.1	48.4	56.5	84.1	67.4	76.9	129.4	237.1	343.4	379.6	401.3
82.5°	30.8	33.9	43.9	66.0	51.6	54.7	96.8	221.7	290.4	318.5	344.7
85°	14.5	15.8	26.7	35.3	31.2	29.4	55.2	156.5	216.2	229.4	239.3
87.5°	0.0	0.0	1.4	2.7	4.1	4.1	10.0	33.0	60.6	73.3	72.4
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1348.1	1348.6	1348.1	1348.1	1347.7	1346.8	1346.8	1345.9	1346.3	1345.9	1346.8
5°	1369.0	1369.0	1367.6	1366.7	1368.0	1366.7	1367.1	1364.9	1364.9	1363.5	1361.7
7.5°	1398.8	1398.8	1399.3	1396.5	1398.4	1398.8	1397.5	1396.5	1395.6	1393.4	1393.8
10°	1438.6	1438.6	1440.0	1436.4	1438.2	1439.1	1439.5	1439.5	1438.6	1434.5	1435.0
12.5°	1483.0	1482.0	1482.5	1480.7	1482.5	1483.4	1484.3	1483.4	1483.4	1482.5	1482.0
15°	1523.2	1522.8	1523.7	1522.3	1522.8	1523.7	1526.4	1525.9	1525.5	1522.8	1522.8
17.5°	1550.8	1549.5	1548.6	1548.1	1548.1	1547.6	1548.1	1548.1	1546.7	1546.3	1546.3
20°	1561.2	1557.6	1555.3	1554.0	1552.2	1551.3	1550.4	1550.8	1549.9	1548.6	1549.0
22.5°	1563.0	1558.1	1553.5	1549.5	1545.8	1543.6	1541.3	1540.4	1538.1	1536.8	1536.8
25°	1571.6	1563.9	1556.7	1549.9	1544.5	1539.5	1534.5	1530.9	1528.2	1525.0	1524.1
27.5°	1590.6	1582.5	1573.9	1565.3	1558.1	1548.1	1541.3	1534.1	1527.7	1522.8	1519.1
30°	1620.0	1611.9	1603.3	1593.3	1583.8	1573.4	1562.1	1553.5	1544.5	1534.5	1529.1
32.5°	1658.9	1653.5	1644.9	1635.4	1626.8	1616.0	1602.4	1589.3	1580.7	1568.9	1560.3
35°	1714.6	1708.2	1705.5	1701.5	1692.9	1686.1	1671.2	1658.9	1650.8	1634.5	1628.2
37.5°	1790.6	1790.1	1792.4	1791.0	1792.4	1783.8	1777.0	1776.6	1764.8	1749.0	1733.6
40°	1894.2	1899.6	1911.8	1920.4	1928.6	1929.5	1939.0	1929.0	1930.4	1928.1	1912.3
42.5°	2012.3	2030.8	2045.3	2070.6	2090.1	2108.2	2120.4	2137.1	2149.8	2161.1	2163.8
45°	2143.9	2171.5	2205.0	2227.6	2265.6	2295.9	2337.5	2369.7	2403.1	2436.2	2447.9
47.5°	2286.9	2321.2	2358.3	2400.4	2448.4	2495.9	2560.1	2609.4	2663.3	2708.0	2747.9
50°	2444.7	2480.5	2530.3	2578.7	2644.7	2699.4	2783.6	2848.3	2935.1	2994.9	3046.4
52.5°	2609.4	2654.2	2709.9	2763.2	2830.6	2900.8	2994.4	3089.9	3194.4	3284.8	3359.9
55°	2770.5	2825.7	2879.0	2941.5	3016.1	3097.6	3203.4	3329.2	3459.5	3563.1	3662.6
57.5°	2913.9	2977.7	3040.6	3103.9	3180.3	3274.9	3393.9	3529.6	3678.9	3816.9	3953.5
60°	3046.9	3123.3	3200.2	3279.4	3367.2	3483.9	3626.9	3793.8	3987.0	4175.6	4354.3
62.5°	3257.3	3357.7	3453.1	3555.4	3661.2	3798.3	3967.1	4186.0	4407.7	4643.4	4826.6
65°	3542.3	3683.4	3808.3	3940.8	4077.9	4261.1	4462.9	4724.8	5042.4	5284.0	5578.0
67.5°	3683.9	3869.8	4030.4	4177.9	4347.5	4532.6	4772.3	5082.2	5421.1	5771.2	6099.2
69°	3517.4	3709.2	3887.0	4052.1	4223.6	4403.2	4653.8	4971.8	5330.1	5708.8	6029.1
70°	3301.6	3493.4	3683.0	3871.2	4027.7	4202.8	4454.3	4782.3	5140.1	5533.7	5851.3
72.5°	2529.3	2760.1	2931.5	3108.0	3289.4	3437.8	3728.2	4004.6	4377.4	4776.9	5126.6
75°	1618.2	1830.4	2017.7	2167.9	2345.2	2523.0	2737.4	3044.6	3278.1	3606.0	3889.7
77.5°	831.5	894.4	1074.9	1128.7	1251.8	1348.6	1466.7	1543.6	1733.6	1773.8	1941.2
80°	394.0	355.1	334.3	315.3	320.7	318.5	309.0	296.3	312.2	305.4	302.7
82.5°	343.4	306.3	244.3	207.6	179.6	152.5	131.2	120.3	121.7	125.3	126.7
85°	240.7	226.2	176.4	133.9	104.5	81.0	65.1	62.4	64.2	69.2	67.4
87.5°	69.7	72.8	64.2	44.8	31.2	22.6	17.6	19.9	19.0	18.5	19.5
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1346.8	1346.3	1345.0	1343.6	1343.6	1342.7	1343.6	1344.1	1343.6	1343.6	1342.7
5°	1362.2	1362.6	1364.0	1361.3	1360.8	1361.3	1359.5	1359.0	1357.6	1359.0	1357.2
7.5°	1391.6	1392.9	1392.9	1391.1	1390.7	1392.0	1389.3	1388.4	1387.0	1386.6	1386.1
10°	1435.5	1436.8	1434.5	1433.2	1431.8	1433.6	1431.4	1431.4	1430.0	1428.7	1428.2
12.5°	1484.3	1483.4	1482.5	1483.4	1482.0	1482.0	1480.7	1479.8	1479.3	1478.9	1478.0
15°	1522.3	1525.5	1525.5	1526.4	1525.5	1525.5	1523.7	1524.1	1523.2	1522.8	1523.2
17.5°	1546.7	1547.6	1549.9	1551.3	1551.3	1551.7	1550.8	1551.7	1550.8	1550.8	1552.6
20°	1549.9	1550.8	1553.1	1555.3	1556.7	1557.6	1557.6	1559.0	1559.9	1560.8	1563.0
22.5°	1537.2	1538.6	1541.3	1545.4	1547.6	1548.6	1550.4	1552.6	1554.9	1556.7	1559.9
25°	1524.1	1524.6	1527.3	1531.4	1534.1	1536.3	1539.5	1542.2	1545.4	1549.0	1552.6
27.5°	1516.9	1516.4	1518.7	1522.8	1525.0	1528.2	1530.9	1535.0	1538.6	1543.1	1546.3
30°	1523.2	1519.6	1520.1	1521.9	1523.7	1525.9	1529.1	1532.7	1536.8	1540.9	1544.5
32.5°	1551.3	1543.1	1537.7	1536.3	1536.8	1537.2	1539.1	1541.3	1544.5	1547.6	1549.0
35°	1611.9	1597.9	1590.6	1584.7	1579.8	1575.7	1576.6	1576.1	1576.1	1578.9	1575.7
37.5°	1727.2	1709.6	1701.9	1691.5	1685.6	1670.7	1666.6	1665.7	1659.8	1659.8	1653.1
40°	1908.2	1897.8	1891.9	1882.4	1853.9	1857.5	1837.2	1837.6	1820.9	1822.7	1810.9
42.5°	2165.6	2167.0	2159.7	2153.4	2131.2	2121.3	2102.3	2075.1	2053.9	2053.4	2029.9
45°	2463.3	2479.6	2456.5	2464.7	2445.2	2418.5	2396.3	2361.5	2328.5	2318.1	2294.1
47.5°	2774.5	2801.2	2783.6	2786.8	2777.3	2739.3	2709.4	2666.4	2623.4	2594.5	2580.0
50°	3107.1	3124.7	3124.2	3115.7	3111.1	3074.0	3026.1	2993.5	2961.8	2922.9	2910.3
52.5°	3408.4	3449.5	3477.1	3470.8	3457.7	3435.5	3393.0	3364.9	3318.3	3312.9	3318.3
55°	3730.9	3784.3	3812.3	3846.3	3846.7	3842.7	3825.0	3814.6	3771.2	3776.2	3769.8
57.5°	4036.3	4114.5	4157.5	4229.9	4254.8	4287.8	4275.6	4289.2	4262.9	4280.1	4275.1
60°	4450.2	4558.8	4630.3	4729.3	4775.5	4858.3	4874.6	4884.5	4899.0	4934.3	4914.4
62.5°	4970.9	5130.2	5278.6	5413.4	5457.7	5582.1	5602.5	5680.3	5684.4	5708.3	5664.5
65°	5823.2	6017.3	6180.6	6342.1	6435.3	6581.0	6639.8	6790.9	6744.8	6764.2	6670.6
67.5°	6381.5	6607.2	6826.2	6979.1	7133.8	7282.7	7389.9	7487.6	7486.7	7467.7	7384.5
69°	6332.2	6583.7	6799.5	7004.4	7167.3	7320.2	7449.2	7512.5	7534.7	7507.1	7447.8
70°	6161.6	6420.0	6684.2	6852.9	7030.2	7198.1	7331.1	7400.3	7415.7	7396.2	7345.1
72.5°	5373.6	5621.5	5912.8	6066.2	6280.6	6401.9	6585.1	6674.7	6690.5	6665.6	6632.1
75°	4193.7	4238.5	4535.3	4633.0	4788.6	4928.4	5042.4	5013.5	5094.4	5078.6	5065.9
77.5°	1975.6	1856.2	2048.4	2138.0	2091.0	1965.7	2148.0	2016.3	2103.6	2217.2	2188.2
80°	325.7	324.8	333.4	352.4	329.8	350.2	349.7	339.7	340.7	365.1	352.4
82.5°	125.3	128.0	129.4	133.0	133.0	133.5	135.7	138.4	136.2	140.7	139.8
85°	67.9	72.4	68.3	65.1	67.4	68.8	70.6	72.8	70.6	77.4	73.7
87.5°	17.6	18.5	16.3	16.3	15.8	14.5	14.5	15.4	16.7	19.9	21.7
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-RW-7030

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1340.9	1341.4	1341.8	1340.4	1339.5	1339.5	1339.1	1338.2	1337.7	1337.7	1337.7
5°	1356.3	1357.2	1354.9	1354.5	1353.6	1352.7	1352.7	1351.8	1352.2	1352.2	1349.9
7.5°	1387.0	1385.7	1383.0	1381.2	1383.0	1379.8	1378.5	1379.4	1378.5	1378.9	1378.0
10°	1428.2	1428.2	1425.0	1426.9	1424.6	1421.0	1422.3	1421.0	1420.1	1416.9	1418.7
12.5°	1479.3	1478.0	1476.2	1472.1	1470.7	1470.3	1466.2	1466.7	1465.3	1464.4	1463.0
15°	1524.1	1523.7	1519.6	1517.3	1516.9	1515.1	1513.3	1512.4	1510.1	1509.6	1508.7
17.5°	1554.0	1552.6	1550.8	1548.6	1548.6	1545.8	1544.9	1542.7	1542.2	1540.9	1539.5
20°	1563.9	1564.4	1562.6	1560.8	1559.9	1558.1	1556.7	1554.9	1554.0	1552.2	1550.8
22.5°	1561.7	1561.7	1559.9	1559.4	1557.6	1554.9	1553.1	1550.8	1548.6	1546.3	1543.6
25°	1554.4	1554.0	1552.6	1550.4	1548.1	1544.0	1540.4	1536.8	1533.6	1530.9	1526.8
27.5°	1548.1	1547.2	1544.5	1541.3	1536.8	1532.3	1525.5	1520.5	1516.4	1512.8	1508.3
30°	1545.8	1542.7	1538.6	1533.6	1528.2	1521.4	1514.2	1507.8	1503.3	1499.7	1497.9
32.5°	1548.6	1544.5	1538.1	1531.8	1525.0	1516.9	1509.6	1504.2	1500.1	1499.2	1499.2
35°	1573.4	1566.6	1558.1	1549.0	1540.4	1533.6	1528.6	1528.2	1525.5	1528.6	1533.6
37.5°	1646.3	1640.4	1627.3	1615.5	1609.6	1606.5	1601.9	1602.8	1596.5	1606.5	1614.6
40°	1801.0	1793.8	1778.4	1768.9	1757.1	1745.8	1754.8	1752.1	1756.7	1754.8	1763.4
42.5°	2026.7	2019.5	1995.1	1991.4	1986.5	1981.9	1981.9	1978.3	1976.5	1982.9	1975.6
45°	2301.3	2286.9	2277.8	2288.7	2273.7	2278.3	2294.1	2272.8	2277.8	2248.4	2221.3
47.5°	2586.3	2585.0	2582.7	2595.8	2598.1	2604.9	2613.5	2591.8	2552.4	2530.3	2475.1
50°	2914.3	2928.4	2933.8	2946.5	2951.9	2956.9	2943.3	2911.2	2844.7	2785.9	2720.7
52.5°	3312.9	3288.5	3321.9	3334.2	3328.7	3308.8	3260.0	3220.6	3128.8	3044.2	2943.3
55°	3777.1	3782.9	3759.4	3749.9	3731.4	3676.2	3608.8	3520.1	3403.8	3293.4	3165.9
57.5°	4249.8	4247.5	4210.9	4159.3	4096.4	4029.9	3929.5	3802.4	3666.7	3518.3	3364.0
60°	4824.8	4822.5	4748.3	4660.1	4570.6	4463.3	4305.9	4153.0	3971.1	3776.2	3592.5
62.5°	5580.3	5483.0	5410.2	5278.6	5140.1	4999.9	4786.8	4583.7	4340.7	4094.6	3880.2
65°	6548.4	6388.3	6305.5	6114.6	5900.1	5681.2	5464.5	5197.6	4870.5	4572.8	4310.9
67.5°	7264.6	7118.0	6966.4	6776.0	6540.7	6296.4	5999.7	5663.5	5292.1	4958.3	4672.8
69°	7327.5	7190.4	7008.5	6817.6	6595.0	6329.5	6005.6	5629.2	5252.8	4914.8	4633.9
70°	7232.0	7086.3	6895.0	6696.4	6447.5	6196.9	5857.6	5465.4	5088.6	4749.7	4475.6
72.5°	6519.9	6377.9	6174.3	5936.8	5681.6	5467.2	5145.1	4736.1	4326.3	4013.2	3799.7
75°	4957.8	4926.6	4782.3	4643.8	4443.0	4203.7	3909.2	3634.1	3298.0	2966.8	2767.8
77.5°	2115.4	2187.3	2262.4	2273.3	2280.5	2206.8	2161.1	2091.9	1867.0	1764.8	1659.4
80°	390.9	349.2	372.8	375.5	390.9	399.0	428.9	508.5	517.5	537.0	561.0
82.5°	138.9	141.1	144.8	146.1	147.5	152.9	173.3	207.6	238.9	279.6	333.9
85°	78.7	80.1	83.2	86.0	87.8	93.2	104.5	124.9	155.6	202.2	274.2
87.5°	24.0	27.1	29.0	32.6	33.9	34.8	39.8	53.4	68.8	101.8	148.4
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-F03-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6	1338.6
2.5°	1337.7	1337.3	1336.4	1335.5	1335.9	1335.0	1332.3	1331.4	1328.2	1326.0	1324.2
5°	1349.9	1349.5	1347.7	1348.1	1347.7	1343.2	1340.0	1334.6	1331.4	1326.4	1324.6
7.5°	1375.3	1374.8	1371.7	1373.0	1372.1	1365.3	1359.9	1351.3	1346.8	1340.4	1335.5
10°	1413.3	1413.3	1409.7	1410.1	1410.1	1401.1	1391.6	1377.1	1366.7	1356.7	1348.1
12.5°	1459.4	1457.6	1457.2	1454.9	1453.1	1443.1	1428.7	1409.2	1389.8	1373.5	1361.7
15°	1506.0	1503.3	1502.0	1499.2	1497.0	1487.9	1468.5	1444.5	1418.3	1392.0	1372.6
17.5°	1536.3	1534.5	1531.8	1530.9	1527.7	1518.7	1505.1	1481.1	1448.6	1411.9	1382.5
20°	1547.6	1544.5	1542.7	1540.9	1539.1	1532.7	1532.7	1517.3	1481.1	1429.6	1384.8
22.5°	1540.4	1538.6	1535.9	1534.5	1532.7	1533.6	1551.3	1549.0	1507.4	1433.6	1368.5
25°	1523.7	1521.4	1519.1	1519.1	1518.7	1528.2	1570.7	1576.6	1515.1	1413.7	1332.8
27.5°	1506.5	1503.3	1504.2	1504.7	1506.9	1527.3	1592.0	1583.8	1494.3	1365.8	1271.2
30°	1496.1	1496.1	1498.3	1502.0	1506.5	1542.2	1608.7	1567.6	1440.4	1293.4	1189.8
32.5°	1500.6	1505.1	1510.1	1519.1	1525.9	1575.2	1614.6	1525.5	1362.2	1203.8	1104.8
35°	1540.9	1546.3	1555.8	1569.8	1578.0	1622.7	1614.6	1464.0	1271.2	1126.9	1017.0
37.5°	1628.6	1634.1	1645.4	1656.2	1664.4	1682.5	1607.8	1385.7	1195.2	1047.3	938.3
40°	1769.8	1777.5	1785.6	1783.8	1778.4	1760.7	1594.2	1312.9	1125.1	977.6	860.9
42.5°	1968.4	1961.1	1960.2	1942.6	1924.5	1848.9	1584.3	1265.4	1064.9	904.3	784.0
45°	2197.7	2168.3	2138.0	2114.5	2086.9	1945.8	1581.6	1226.9	998.4	822.9	700.3
47.5°	2428.5	2381.4	2322.6	2286.0	2241.2	2048.9	1589.7	1175.3	912.9	734.2	622.0
50°	2654.7	2577.8	2504.9	2461.0	2410.4	2167.4	1602.8	1088.5	810.7	653.7	550.6
52.5°	2864.1	2765.0	2690.4	2638.8	2576.8	2305.4	1591.1	974.5	722.0	576.4	482.7
55°	3063.2	2953.7	2876.3	2822.0	2749.2	2443.8	1506.0	870.9	637.4	500.8	406.3
57.5°	3237.3	3132.4	3051.9	2978.1	2916.6	2564.2	1338.2	785.4	556.0	414.4	323.5
60°	3440.9	3322.8	3227.4	3148.7	3076.3	2626.2	1150.0	709.4	469.1	320.7	233.9
62.5°	3715.5	3579.8	3469.4	3379.4	3284.8	2639.7	1021.5	633.4	372.3	232.1	170.1
65°	4122.7	3955.3	3817.3	3693.4	3565.3	2583.6	958.2	550.6	276.9	172.4	142.5
67.5°	4446.1	4272.4	4112.7	3953.5	3789.7	2479.6	944.2	474.1	212.6	146.6	128.0
69°	4406.8	4241.2	4094.6	3922.3	3740.9	2348.8	930.1	444.7	194.1	136.2	121.2
70°	4255.2	4098.3	3949.4	3809.2	3587.0	2203.2	893.0	428.4	186.8	131.2	116.3
72.5°	3595.6	3413.8	3269.5	3094.8	2861.0	1637.2	677.2	346.5	171.5	119.9	105.0
75°	2622.5	2471.9	2328.0	2134.9	1907.3	947.3	421.6	198.1	125.8	108.6	95.0
77.5°	1531.4	1497.4	1358.5	1231.4	1006.1	482.3	242.0	118.5	97.7	98.6	83.7
80°	576.4	613.9	627.9	584.0	539.7	333.0	176.0	96.4	85.1	97.3	71.0
82.5°	420.3	487.7	495.8	475.0	442.0	310.3	140.7	77.4	69.2	104.5	61.1
85°	350.6	388.2	394.0	372.3	361.5	262.8	98.2	54.3	50.7	75.1	45.7
87.5°	177.3	186.8	191.8	173.7	174.6	122.6	39.4	23.1	27.6	32.1	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



REPORT NUMBER: P157884

CATALOG NUMBER: VTS-F03-LED-E1-RW-7030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	1338.6	1338.6
2.5°	1320.1	1322.8
5°	1321.9	1321.9
7.5°	1332.3	1332.3
10°	1343.6	1344.1
12.5°	1354.0	1353.6
15°	1362.2	1360.8
17.5°	1367.1	1365.8
20°	1362.2	1359.9
22.5°	1336.8	1330.5
25°	1290.7	1282.5
27.5°	1229.6	1224.2
30°	1150.0	1141.8
32.5°	1056.8	1052.7
35°	967.7	962.7
37.5°	886.2	884.9
40°	817.5	810.2
42.5°	737.0	733.8
45°	655.1	653.3
47.5°	578.2	576.4
50°	507.1	503.5
52.5°	437.5	431.6
55°	360.1	356.0
57.5°	276.4	272.8
60°	194.5	190.5
62.5°	138.4	133.9
65°	115.4	111.7
67.5°	104.5	100.4
69°	99.5	95.9
70°	96.4	93.6
72.5°	89.6	87.8
75°	81.9	80.5
77.5°	71.9	69.7
80°	60.2	57.9
82.5°	50.7	48.4
85°	33.9	30.8
87.5°	15.4	13.6
90°	0.0	0.0

(END OF REPORT)