

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: P159236

Luminaire Tested: **VTS-F06-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159236
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F06-LED-E1-T2-7050
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

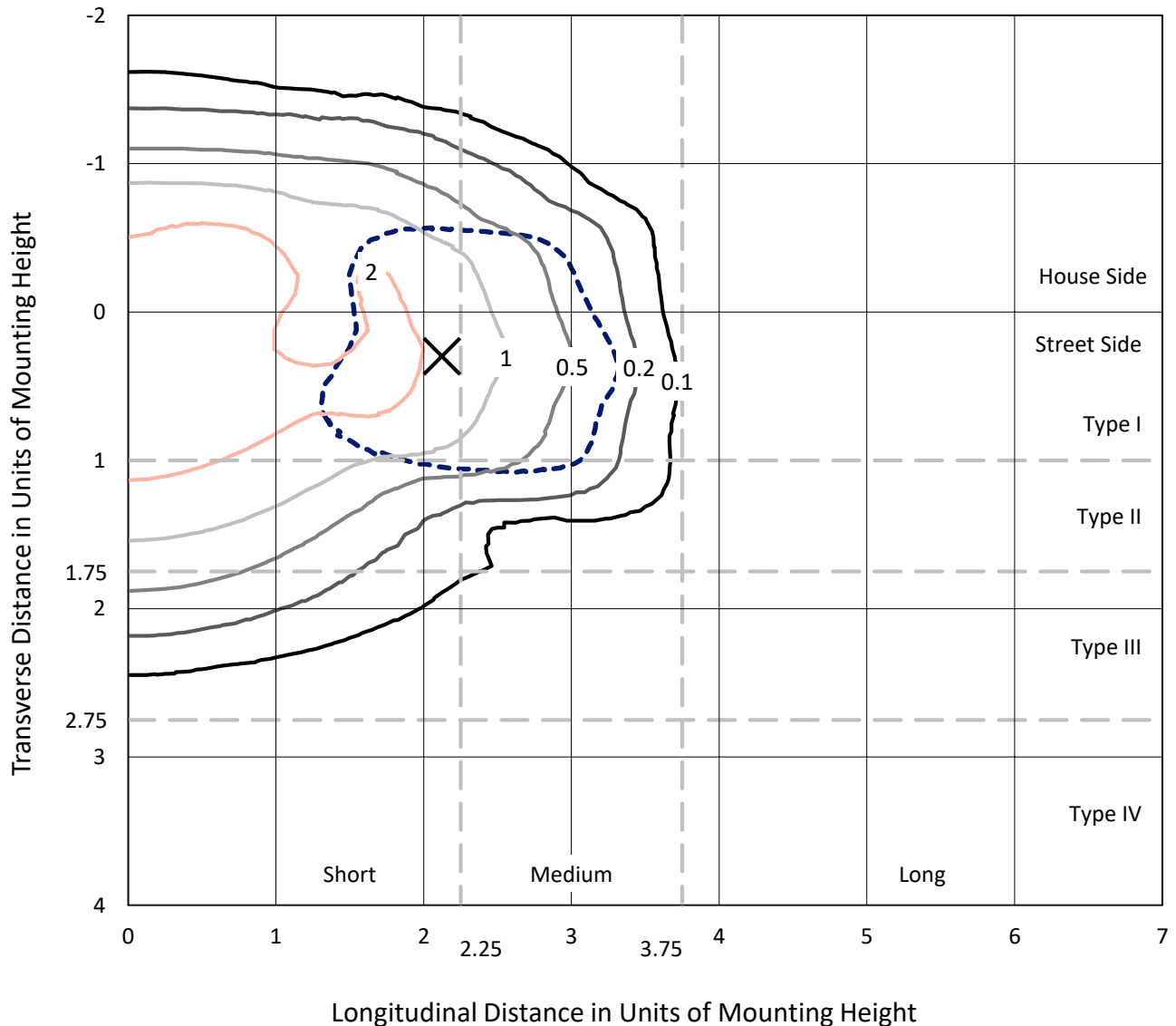
Lumens per Lamp: N/A
Luminaire Lumens: 15688.1 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 156.5
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

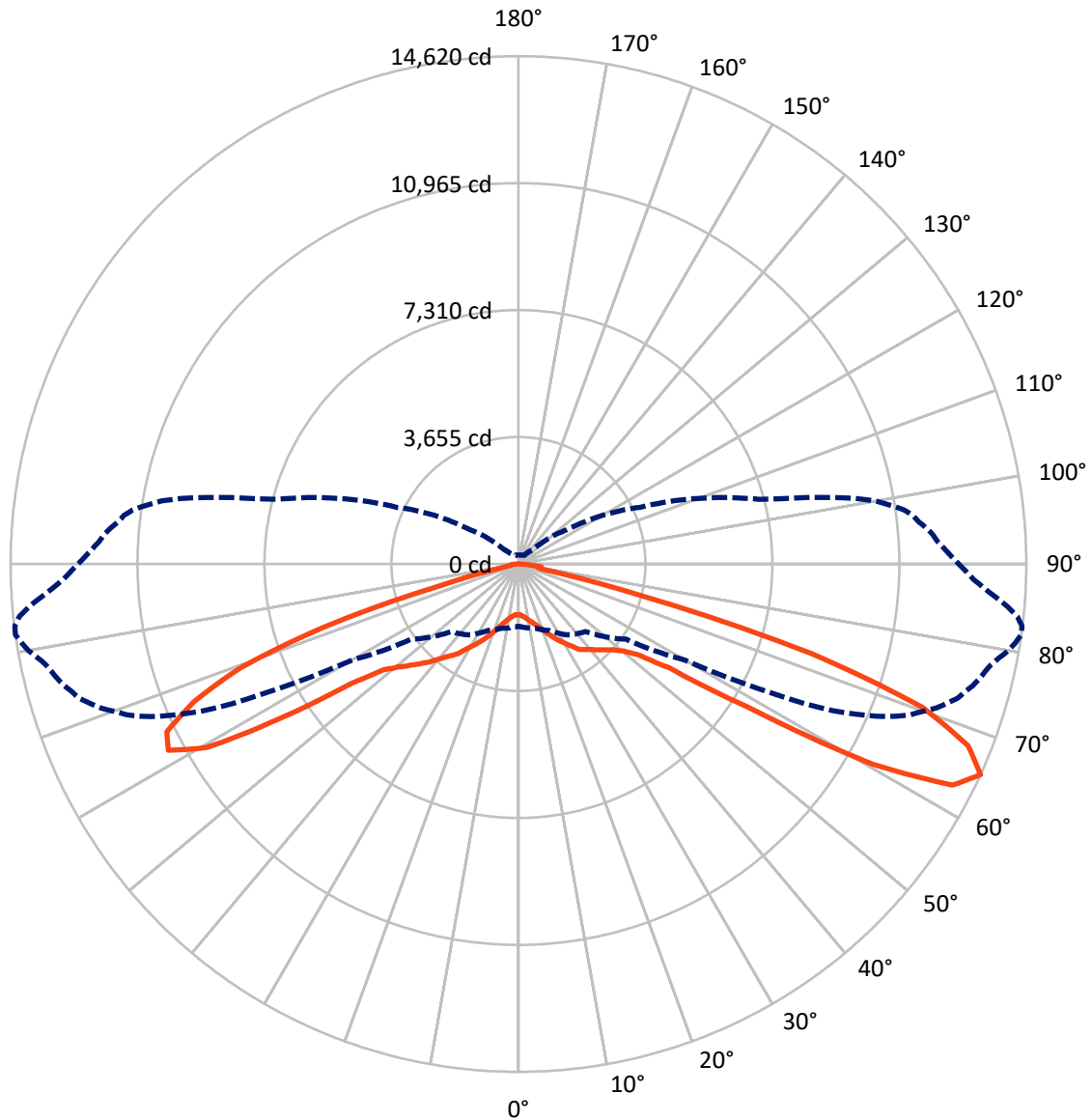


Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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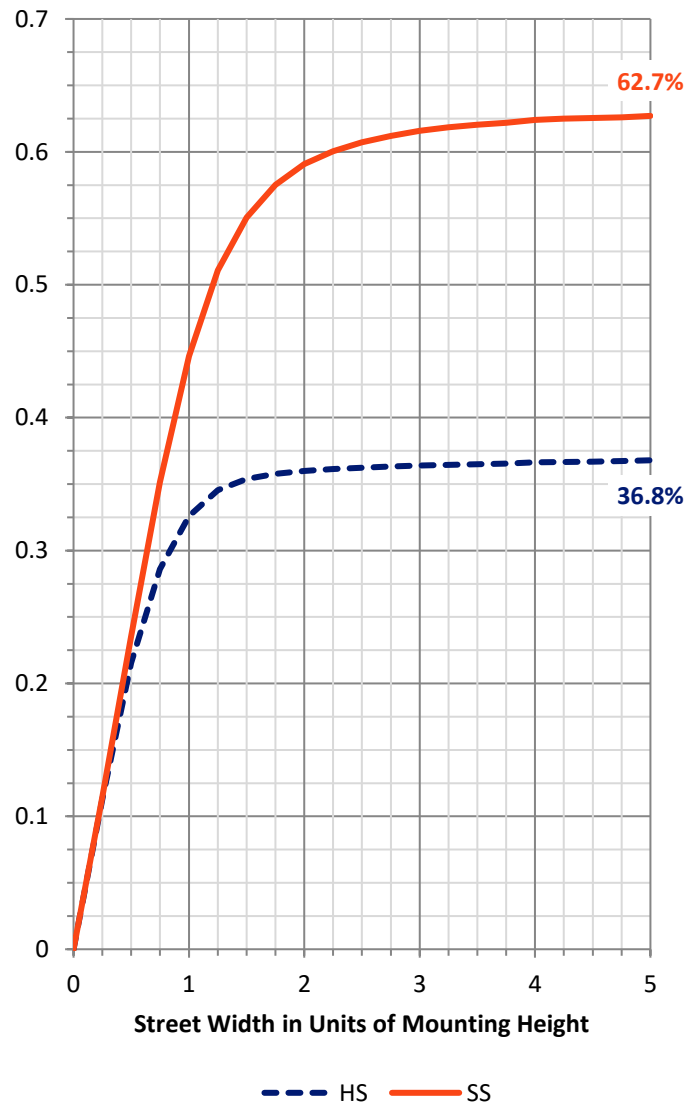
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5841.2	0.0	5841.2
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	9846.9	0.0	9846.9
	% Fixture	62.8	0.0	62.8
Total	Lumens	15688.1	0.0	15688.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.8	0.9
10°-20°	519.2	3.3
20°-30°	1028.8	6.6
30°-40°	1763.6	11.2
40°-50°	2649.5	16.9
50°-60°	3681.0	23.5
60°-70°	4199.4	26.8
70°-80°	1446.6	9.2
80°-90°	252.1	1.6
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°	15688.1	100.0
0°-180°	15688.1	100.0



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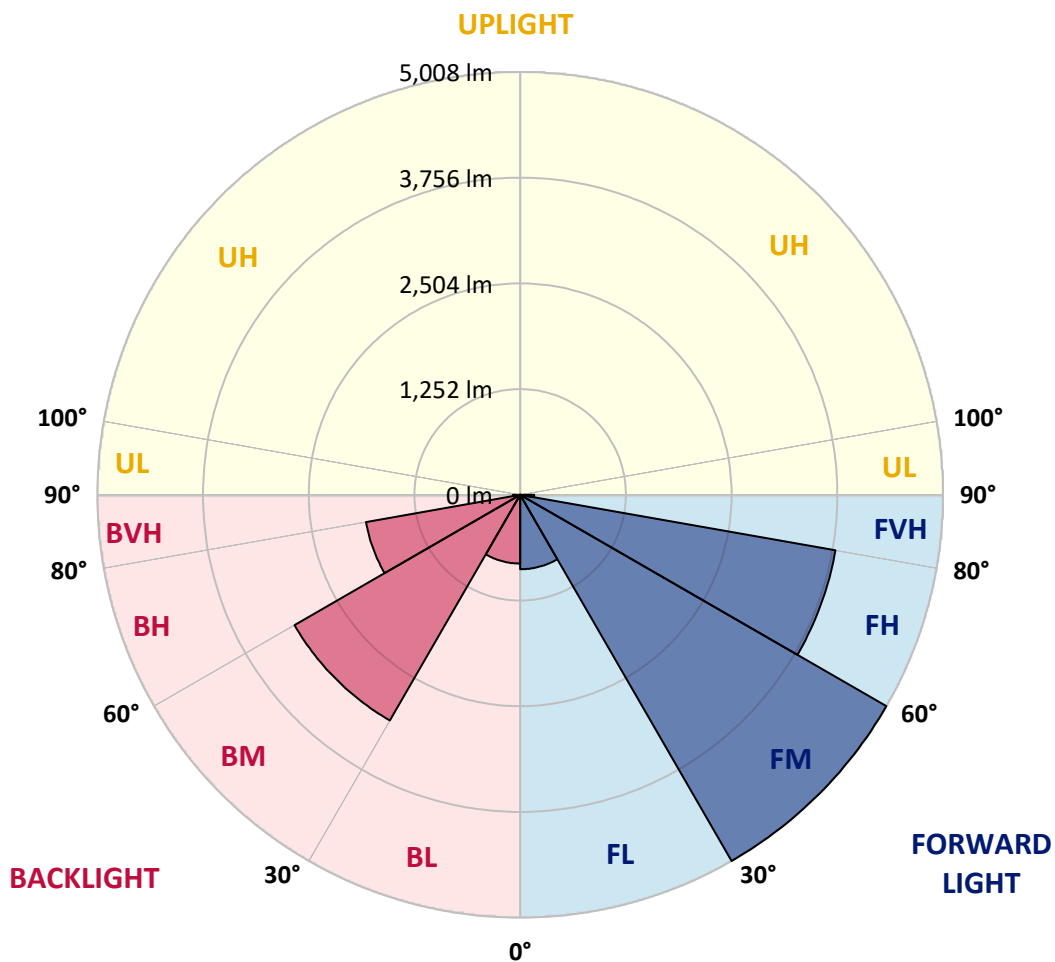
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	881.3	5.6			
FM (30°-60°)	5008.0	31.9			
FH (60°-80°)	3791.6	24.2			G2/5000
FVH (80°-90°)	166.0	1.1			G2/225
BL (0°-30°)	814.5	5.2	B2/1000		
BM (30°-60°)	3086.1	19.7	B3/5000		
BH (60°-80°)	1854.4	11.8	B3/2500		G3/2500
BVH (80°-90°)	86.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7
2.5°	1539.0	1540.0	1539.0	1535.9	1534.9	1525.8	1515.6	1510.5	1509.5	1505.4	1506.4
5°	1634.5	1631.5	1627.4	1622.3	1617.2	1602.0	1584.7	1575.6	1572.5	1569.5	1565.4
7.5°	1719.9	1721.9	1719.9	1712.8	1699.6	1680.3	1657.9	1643.7	1642.6	1639.6	1636.6
10°	1829.7	1834.8	1822.6	1810.4	1792.1	1762.6	1737.2	1718.9	1715.8	1711.8	1709.7
12.5°	1948.6	1949.6	1945.6	1918.1	1887.6	1847.0	1810.4	1792.1	1788.0	1782.9	1780.9
15°	2075.7	2076.7	2054.3	2027.9	1981.1	1932.3	1881.5	1861.2	1856.1	1857.1	1849.0
17.5°	2176.3	2178.3	2157.0	2123.4	2067.5	2009.6	1954.7	1938.4	1935.4	1936.4	1932.3
20°	2220.0	2223.1	2209.9	2184.4	2131.6	2080.8	2041.1	2030.9	2029.9	2027.9	2036.0
22.5°	2218.0	2219.0	2213.9	2203.8	2172.2	2142.8	2137.7	2143.8	2142.8	2144.8	2151.9
25°	2199.7	2202.7	2201.7	2205.8	2200.7	2211.9	2235.3	2256.6	2259.7	2263.7	2276.9
27.5°	2246.4	2252.5	2245.4	2249.5	2257.6	2295.2	2343.0	2375.5	2381.6	2392.8	2404.0
30°	2429.4	2421.3	2412.1	2402.0	2407.1	2430.4	2484.3	2512.8	2515.8	2523.9	2539.2
32.5°	2700.8	2691.7	2683.5	2667.3	2663.2	2653.0	2671.3	2678.5	2677.4	2685.6	2689.6
35°	3006.8	3007.8	3005.8	3018.0	3028.1	2976.3	2912.2	2895.0	2902.1	2892.9	2895.0
37.5°	3268.0	3271.1	3324.9	3392.0	3411.3	3378.8	3238.5	3169.4	3146.0	3143.0	3119.6
40°	3557.7	3557.7	3639.0	3721.4	3775.2	3815.9	3649.2	3527.2	3477.4	3463.2	3405.2
42.5°	3875.9	3859.6	3933.8	4024.3	4123.9	4216.4	4130.0	3992.8	3921.6	3896.2	3794.6
45°	4137.1	4127.0	4163.5	4247.9	4409.5	4590.5	4602.7	4532.5	4489.8	4437.0	4343.5
47.5°	4297.7	4292.6	4314.0	4405.5	4607.8	4900.5	5064.2	5099.7	5074.3	5033.7	4943.2
50°	4360.7	4353.6	4368.9	4470.5	4697.2	5083.5	5445.3	5613.1	5625.3	5634.4	5605.9
52.5°	4338.4	4329.2	4360.7	4446.1	4682.0	5147.5	5743.2	6065.4	6119.3	6165.0	6258.5
55°	4123.9	4109.7	4195.1	4355.7	4615.9	5124.1	5960.7	6500.5	6614.3	6736.3	6943.6
57.5°	3795.6	3783.4	3906.4	4127.0	4499.0	5060.1	6107.1	7050.4	7306.5	7526.1	8114.6
60°	3479.4	3469.3	3541.5	3754.9	4119.8	4748.0	5926.1	7235.4	7665.4	8139.0	9213.5
62.5°	2914.3	2886.8	2983.4	3163.3	3394.1	3927.7	5136.3	6823.7	7486.5	8182.8	9639.4
65°	1791.1	1830.7	1914.1	2113.3	2491.4	2745.5	3772.2	5520.6	6394.7	7267.9	9157.6
67.5°	1137.5	1148.6	1210.6	1348.9	1641.6	1896.8	2286.1	3464.2	4138.1	4997.1	7189.6
70°	974.8	981.9	1034.8	1179.1	1381.4	1695.5	1730.1	1809.4	2051.3	2598.2	4226.6
72.5°	768.5	780.7	822.3	947.4	1191.3	1528.8	2135.6	1430.2	1381.4	1427.2	2062.5
75°	457.4	471.7	506.2	574.3	765.4	1169.0	2237.3	1664.0	1551.2	1462.7	1423.1
77.5°	241.9	231.8	255.1	294.8	393.4	623.1	1681.3	2039.1	1959.8	1854.1	1629.4
80°	119.9	124.0	131.1	139.3	175.9	253.1	840.6	2109.2	2337.9	2439.6	2240.3
82.5°	47.8	53.9	76.2	81.3	96.6	107.7	270.4	1169.0	1674.2	2270.8	2965.1
85°	24.4	23.4	40.7	48.8	56.9	50.8	95.6	436.1	784.7	1222.8	1981.1
87.5°	3.0	4.1	9.1	12.2	17.3	16.3	27.4	94.5	150.4	213.5	299.9
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7
2.5°	1501.4	1500.3	1500.3	1496.3	1496.3	1497.3	1494.2	1492.2	1492.2	1493.2	1489.2
5°	1562.3	1559.3	1559.3	1555.2	1550.1	1550.1	1546.1	1545.1	1543.0	1539.0	1535.9
7.5°	1633.5	1630.5	1625.4	1622.3	1620.3	1617.2	1612.2	1610.1	1606.1	1602.0	1597.9
10°	1706.7	1702.6	1700.6	1695.5	1693.5	1687.4	1684.3	1685.3	1677.2	1674.2	1675.2
12.5°	1779.9	1775.8	1768.7	1766.7	1765.6	1759.5	1756.5	1754.5	1748.4	1747.3	1744.3
15°	1844.9	1847.0	1843.9	1838.8	1834.8	1833.7	1830.7	1828.7	1824.6	1820.5	1816.5
17.5°	1929.3	1932.3	1928.3	1921.2	1921.2	1920.2	1921.2	1920.2	1913.0	1916.1	1914.1
20°	2037.0	2039.1	2028.9	2032.0	2034.0	2033.0	2036.0	2039.1	2037.0	2037.0	2040.1
22.5°	2161.1	2164.1	2158.0	2162.1	2168.2	2163.1	2172.2	2171.2	2173.3	2176.3	2177.3
25°	2288.1	2294.2	2289.1	2300.3	2296.3	2300.3	2311.5	2308.5	2313.5	2321.7	2324.7
27.5°	2415.2	2419.2	2420.3	2427.4	2434.5	2440.6	2454.8	2454.8	2458.9	2473.1	2473.1
30°	2548.3	2552.4	2556.5	2566.6	2570.7	2581.9	2596.1	2600.2	2598.2	2618.5	2624.6
32.5°	2701.8	2705.9	2713.0	2725.2	2730.3	2741.5	2741.5	2752.7	2760.8	2778.1	2779.1
35°	2906.1	2909.2	2906.1	2905.1	2912.2	2927.5	2928.5	2944.8	2951.9	2969.2	2974.3
37.5°	3110.5	3109.4	3096.2	3082.0	3083.0	3076.9	3072.9	3080.0	3083.0	3084.0	3095.2
40°	3385.9	3359.5	3339.2	3303.6	3287.3	3261.9	3246.7	3245.7	3229.4	3227.4	3230.4
42.5°	3746.8	3716.3	3668.5	3608.5	3562.8	3516.0	3481.5	3461.2	3425.6	3407.3	3392.0
45°	4251.0	4175.7	4118.8	4047.7	3959.2	3877.9	3792.5	3753.9	3685.8	3644.1	3597.4
47.5°	4867.0	4792.8	4705.3	4632.1	4516.3	4403.4	4286.5	4183.9	4064.9	3970.4	3893.2
50°	5535.8	5492.1	5429.1	5361.0	5211.5	5137.3	4990.0	4850.7	4722.6	4553.9	4406.5
52.5°	6221.9	6247.4	6233.1	6208.7	6114.2	6085.7	5958.7	5788.9	5659.8	5543.9	5287.8
55°	7067.7	7098.2	7159.1	7194.7	7183.5	7255.7	7224.2	7092.1	7040.2	6986.3	6804.4
57.5°	8361.7	8579.2	8812.0	9016.3	9064.0	9320.2	9265.3	9397.5	9491.0	9423.9	9364.9
60°	9741.0	10180.2	10575.6	10989.3	11325.7	11577.8	11911.2	12135.9	12277.2	12531.3	12551.6
62.5°	10297.1	10893.7	11395.9	11875.7	12275.1	12624.8	12925.7	13235.7	13489.8	13719.6	13885.3
65°	9992.1	10615.2	11224.1	11711.0	12095.2	12396.1	12723.4	12969.4	13219.5	13366.9	13540.7
67.5°	8306.8	9132.2	9881.3	10430.2	10955.7	11261.7	11649.0	11890.9	12156.2	12311.7	12423.5
70°	5415.9	6490.3	7513.9	8346.4	9055.9	9412.7	9880.3	10210.6	10529.8	10538.0	10724.0
72.5°	2922.4	3821.0	4677.9	5528.7	6337.8	6812.5	7274.0	7675.5	7992.7	7857.5	8042.5
75°	1627.4	2048.2	2516.8	3028.1	3521.1	3792.5	4137.1	4139.2	4302.8	4045.6	4110.7
77.5°	1565.4	1546.1	1553.2	1567.4	1591.8	1540.0	1539.0	1507.5	1458.7	1370.2	1385.5
80°	2056.4	1810.4	1633.5	1356.0	1091.7	890.4	834.5	847.8	887.4	966.7	1067.3
82.5°	2973.2	2765.9	2469.1	2032.0	1594.9	1230.0	1010.4	896.5	891.5	970.7	1123.2
85°	2165.1	2290.2	2270.8	1895.8	1563.4	1269.6	924.0	780.7	646.5	615.0	668.9
87.5°	319.2	264.3	297.8	249.0	180.9	140.3	123.0	98.6	94.5	96.6	105.7
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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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7
2.5°	1490.2	1486.1	1482.0	1485.1	1482.0	1481.0	1478.0	1475.9	1474.9	1474.9	1474.9
5°	1535.9	1530.8	1527.8	1526.8	1523.7	1520.7	1519.7	1514.6	1513.6	1513.6	1510.5
7.5°	1597.9	1593.9	1588.8	1585.7	1583.7	1578.6	1573.5	1572.5	1571.5	1567.4	1564.4
10°	1670.1	1664.0	1657.9	1657.9	1653.8	1652.8	1647.7	1640.6	1639.6	1633.5	1631.5
12.5°	1738.2	1736.2	1729.1	1727.0	1724.0	1720.9	1717.9	1714.8	1711.8	1706.7	1708.7
15°	1819.5	1814.4	1808.3	1809.4	1808.3	1804.3	1800.2	1797.2	1795.1	1793.1	1793.1
17.5°	1917.1	1915.1	1914.1	1909.0	1904.9	1908.0	1908.0	1908.0	1902.9	1903.9	1904.9
20°	2041.1	2043.1	2041.1	2037.0	2036.0	2039.1	2032.0	2043.1	2037.0	2033.0	2035.0
22.5°	2178.3	2185.5	2177.3	2178.3	2183.4	2185.5	2178.3	2187.5	2184.4	2178.3	2183.4
25°	2327.8	2332.8	2328.8	2327.8	2330.8	2337.9	2336.9	2335.9	2343.0	2336.9	2340.0
27.5°	2481.3	2484.3	2486.3	2489.4	2491.4	2490.4	2494.5	2494.5	2498.5	2491.4	2494.5
30°	2633.7	2633.7	2637.8	2641.9	2641.9	2641.9	2650.0	2651.0	2644.9	2646.9	2639.8
32.5°	2796.4	2797.4	2801.4	2801.4	2809.6	2810.6	2819.7	2807.5	2819.7	2809.6	2811.6
35°	2987.5	3000.7	3002.7	3012.9	3021.0	3024.1	3024.1	3025.1	3036.3	3028.1	3031.2
37.5°	3099.3	3102.3	3110.5	3115.5	3115.5	3119.6	3122.7	3119.6	3122.7	3121.6	3124.7
40°	3231.4	3228.4	3237.5	3239.6	3235.5	3240.6	3239.6	3236.5	3244.6	3238.5	3242.6
42.5°	3392.0	3374.7	3373.7	3381.9	3373.7	3377.8	3376.8	3369.7	3379.8	3382.9	3379.8
45°	3563.8	3554.7	3536.4	3536.4	3528.2	3525.2	3526.2	3525.2	3526.2	3538.4	3542.5
47.5°	3843.4	3787.4	3755.9	3726.5	3702.1	3701.0	3689.9	3696.0	3704.1	3724.4	3742.7
50°	4312.0	4182.9	4103.6	4030.4	3977.5	3959.2	3937.9	3935.9	3943.0	3966.3	3997.9
52.5°	5147.5	4968.6	4799.9	4643.3	4507.1	4402.4	4350.6	4323.1	4313.0	4336.3	4366.8
55°	6676.3	6338.8	6101.0	5942.4	5603.9	5460.6	5276.6	5192.2	5109.9	5118.0	5169.9
57.5°	9288.7	9106.7	8907.5	8630.0	8422.6	8172.6	7713.1	7457.0	7468.2	7528.1	7341.1
60°	12712.2	12528.2	12445.9	12193.8	12049.5	11948.8	11704.9	11280.0	11129.6	11101.1	10757.5
62.5°	14012.3	14056.0	14121.1	14192.2	14188.2	14231.9	14018.4	13880.2	13706.4	13480.7	13141.2
65°	13672.8	13783.6	13915.8	14106.9	14324.4	14485.0	14620.2	14603.9	14441.3	14140.4	13781.6
67.5°	12523.2	12632.9	12729.5	12985.7	13342.5	13668.8	13957.4	14153.6	14044.9	13795.8	13377.0
70°	10795.1	10874.4	10935.4	11158.0	11549.4	11947.8	12325.0	12654.3	12620.7	12318.9	11984.4
72.5°	7821.9	8014.0	8117.7	8102.4	8344.4	8790.6	8843.5	9125.0	9203.3	8878.0	8345.4
75°	3810.8	3813.9	3693.9	3654.3	3666.5	3743.7	3596.3	3605.5	3554.7	3323.9	3133.8
77.5°	1331.6	1295.0	1207.6	1103.9	955.5	816.2	674.9	614.0	593.6	533.7	492.0
80°	1147.6	1201.5	1184.2	1098.8	942.3	751.2	561.1	415.7	354.8	333.4	313.1
82.5°	1303.1	1510.5	1642.6	1635.5	1421.1	1067.3	665.8	382.2	272.4	238.9	219.6
85°	726.8	781.7	796.9	725.8	602.8	411.7	229.7	161.6	137.2	125.0	112.8
87.5°	115.9	105.7	103.7	90.5	85.4	78.3	69.1	65.1	60.0	56.9	56.9
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: P159236

CATALOG NUMBER: VTS-F06-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7
2.5°	1473.9	1472.9	1469.8	1466.8	1464.8	1463.7	1462.7	1460.7	1459.7	1458.7	1456.6
5°	1508.5	1506.4	1501.4	1496.3	1494.2	1491.2	1488.1	1486.1	1484.1	1483.1	1479.0
7.5°	1562.3	1560.3	1554.2	1550.1	1549.1	1541.0	1540.0	1536.9	1531.9	1530.8	1524.7
10°	1627.4	1626.4	1621.3	1618.3	1616.2	1612.2	1606.1	1601.0	1595.9	1595.9	1591.8
12.5°	1702.6	1698.6	1701.6	1694.5	1692.5	1688.4	1685.3	1684.3	1678.2	1673.1	1672.1
15°	1791.1	1786.0	1786.0	1783.9	1781.9	1777.8	1776.8	1777.8	1771.7	1773.8	1767.7
17.5°	1900.8	1902.9	1901.9	1901.9	1896.8	1896.8	1888.6	1898.8	1891.7	1896.8	1894.7
20°	2038.1	2039.1	2037.0	2040.1	2042.1	2041.1	2040.1	2039.1	2042.1	2046.2	2043.1
22.5°	2184.4	2184.4	2183.4	2194.6	2182.4	2191.6	2194.6	2188.5	2204.8	2202.7	2205.8
25°	2343.0	2343.0	2351.1	2360.3	2362.3	2355.2	2359.3	2354.2	2364.4	2372.5	2374.5
27.5°	2490.4	2503.6	2509.7	2503.6	2508.7	2519.9	2518.9	2518.9	2526.0	2523.9	2543.3
30°	2641.9	2650.0	2658.1	2654.1	2656.1	2670.3	2671.3	2672.4	2681.5	2694.7	2708.9
32.5°	2814.7	2822.8	2818.7	2831.9	2830.9	2848.2	2851.3	2854.3	2882.8	2877.7	2907.2
35°	3027.1	3035.2	3031.2	3045.4	3043.4	3049.5	3060.7	3072.9	3077.9	3107.4	3130.8
37.5°	3126.7	3126.7	3135.9	3152.1	3158.2	3168.4	3185.7	3200.9	3226.3	3257.9	3294.4
40°	3246.7	3249.7	3261.9	3279.2	3290.4	3313.8	3345.3	3366.6	3405.2	3439.8	3482.5
42.5°	3392.0	3405.2	3419.5	3442.9	3467.2	3503.8	3548.6	3576.0	3626.8	3671.6	3724.4
45°	3561.8	3575.0	3608.5	3651.2	3686.8	3727.5	3764.1	3829.1	3874.9	3921.6	3967.4
47.5°	3767.1	3805.7	3833.2	3884.0	3927.7	3981.6	4027.3	4088.3	4138.1	4195.1	4233.7
50°	4030.4	4078.2	4113.7	4179.8	4222.5	4282.5	4340.4	4386.2	4437.0	4492.9	4524.4
52.5°	4408.5	4457.3	4502.0	4584.4	4637.2	4677.9	4755.1	4812.1	4858.8	4899.5	4934.0
55°	5227.8	5213.6	5337.6	5497.2	5515.5	5662.9	5690.3	5738.1	5824.5	5836.7	5933.3
57.5°	7568.8	7495.6	7675.5	7909.3	7868.7	7794.5	8104.5	8123.8	8080.1	8197.0	8064.8
60°	10808.3	10680.3	10729.1	10793.1	10700.6	10656.9	10672.1	10715.8	10673.2	10626.4	10498.3
62.5°	12971.4	12774.2	12632.9	12514.0	12363.6	12254.8	12132.8	11982.4	11941.7	11771.0	11627.6
65°	13432.9	13125.9	12902.3	12677.7	12470.3	12278.2	12094.2	11965.1	11794.3	11592.1	11442.6
67.5°	12925.7	12545.5	12218.2	11891.9	11657.1	11374.5	11236.3	11025.9	10815.5	10583.7	10446.5
70°	11451.8	11055.4	10643.7	10324.5	10005.3	9655.6	9587.5	9338.5	9217.5	8901.4	8846.5
72.5°	7904.2	7639.9	7456.0	7061.6	6867.4	6688.5	6631.6	6400.8	6425.2	6078.6	6204.7
75°	2810.6	2773.0	2719.1	2496.5	2456.9	2387.7	2369.4	2353.2	2517.8	2289.1	2454.8
77.5°	482.8	479.8	452.3	439.1	464.5	448.3	452.3	444.2	492.0	499.1	487.9
80°	299.9	291.7	282.6	276.5	277.5	271.4	272.4	274.5	277.5	276.5	279.5
82.5°	205.3	198.2	194.1	190.1	196.2	198.2	203.3	208.4	216.5	221.6	227.7
85°	111.8	102.7	102.7	101.6	109.8	115.9	124.0	134.2	148.4	160.6	173.8
87.5°	56.9	54.9	55.9	57.9	65.1	70.1	80.3	89.5	101.6	114.9	127.1
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: P159236

CATALOG NUMBER: VTS-F06-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7
2.5°	1455.6	1455.6	1454.6	1454.6	1453.6	1452.6	1451.5	1448.5	1437.3	1427.2	1420.0
5°	1478.0	1474.9	1473.9	1470.9	1469.8	1467.8	1464.8	1461.7	1441.4	1423.1	1409.9
7.5°	1523.7	1519.7	1517.6	1514.6	1511.5	1507.5	1503.4	1500.3	1475.9	1454.6	1438.3
10°	1583.7	1581.7	1580.6	1576.6	1576.6	1570.5	1569.5	1562.3	1535.9	1516.6	1502.4
12.5°	1667.0	1663.0	1662.0	1656.9	1658.9	1656.9	1654.8	1650.8	1631.5	1609.1	1589.8
15°	1770.7	1770.7	1765.6	1761.6	1762.6	1760.6	1764.6	1759.5	1747.3	1727.0	1695.5
17.5°	1895.8	1893.7	1895.8	1892.7	1894.7	1896.8	1891.7	1892.7	1886.6	1861.2	1814.4
20°	2041.1	2038.1	2050.3	2045.2	2056.4	2046.2	2048.2	2051.3	2051.3	2017.7	1954.7
22.5°	2207.8	2205.8	2205.8	2215.9	2220.0	2221.0	2225.1	2228.1	2236.3	2193.6	2093.0
25°	2374.5	2381.6	2382.7	2395.9	2402.0	2402.0	2405.0	2416.2	2440.6	2381.6	2251.5
27.5°	2544.3	2561.6	2565.6	2574.8	2583.9	2593.1	2600.2	2608.3	2648.0	2583.9	2414.2
30°	2714.0	2733.3	2747.6	2757.7	2768.9	2791.3	2795.3	2811.6	2877.7	2799.4	2568.7
32.5°	2913.3	2940.7	2959.0	2972.2	2989.5	3010.8	3023.0	3043.4	3107.4	2979.3	2681.5
35°	3151.1	3167.4	3193.8	3216.2	3226.3	3262.9	3282.2	3287.3	3336.1	3134.9	2764.9
37.5°	3315.8	3343.2	3389.0	3420.5	3438.8	3459.1	3491.6	3513.0	3559.8	3276.1	2806.5
40°	3525.2	3566.9	3603.5	3650.2	3679.7	3694.9	3727.5	3744.8	3750.9	3397.1	2793.3
42.5°	3780.3	3817.9	3866.7	3904.3	3926.7	3944.0	3970.4	3977.5	3898.2	3454.0	2722.2
45°	4020.2	4078.2	4119.8	4147.3	4163.5	4172.7	4189.0	4190.0	4020.2	3425.6	2600.2
47.5°	4278.4	4320.1	4358.7	4378.0	4376.0	4378.0	4371.9	4367.9	4081.2	3327.0	2443.6
50°	4564.0	4591.5	4607.8	4616.9	4622.0	4602.7	4575.2	4556.9	4086.3	3186.7	2285.1
52.5°	4947.3	4981.8	4978.8	4977.8	4937.1	4918.8	4845.6	4808.0	4056.8	3022.0	2106.2
55°	5918.0	5884.5	5818.4	5850.9	5685.2	5598.8	5485.0	5379.3	4095.4	2865.5	1898.8
57.5°	8117.7	8130.9	7942.9	7842.2	7562.7	7213.0	6931.5	6658.0	4443.1	2769.9	1628.4
60°	10412.9	10240.1	10001.3	9637.3	9277.5	8758.1	8257.0	7783.3	4789.7	2670.3	1308.2
62.5°	11415.2	11169.2	10808.3	10337.7	9772.5	9137.2	8513.1	7935.7	4622.0	2348.1	951.4
65°	11211.9	10835.8	10437.3	9886.4	9199.2	8502.9	7774.1	7184.6	3866.7	1751.4	586.5
67.5°	10148.6	9829.5	9408.6	8755.0	8020.1	7295.4	6627.5	5966.8	2872.6	1091.7	328.3
70°	8566.0	8253.9	7827.0	7158.1	6424.2	5731.0	5023.5	4484.8	1830.7	526.5	236.8
72.5°	5942.4	5689.3	5387.4	4910.7	4267.2	3637.0	3158.2	2744.5	1014.5	279.5	216.5
75°	2413.1	2414.2	2359.3	2158.0	1823.6	1572.5	1340.8	1137.5	423.9	237.9	213.5
77.5°	546.9	556.0	607.9	576.4	519.4	485.9	435.1	384.2	258.2	245.0	215.5
80°	276.5	277.5	274.5	275.5	272.4	273.4	269.4	266.3	241.9	252.1	215.5
82.5°	230.7	235.8	234.8	234.8	235.8	235.8	235.8	234.8	251.1	265.3	208.4
85°	183.0	193.1	201.3	209.4	218.5	224.6	227.7	230.7	244.0	261.2	189.1
87.5°	138.2	150.4	160.6	168.7	183.0	183.0	193.1	200.2	200.2	204.3	99.6
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: P159236

CATALOG NUMBER: VTS-F06-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1459.7	1459.7	1459.7	1459.7	1459.7
2.5°	1409.9	1405.8	1401.7	1399.7	1395.6
5°	1399.7	1391.6	1386.5	1386.5	1382.4
7.5°	1429.2	1426.1	1419.0	1415.0	1419.0
10°	1492.2	1487.1	1479.0	1472.9	1475.9
12.5°	1576.6	1556.2	1540.0	1532.9	1527.8
15°	1664.0	1623.3	1590.8	1572.5	1567.4
17.5°	1757.5	1686.4	1637.6	1610.1	1605.0
20°	1853.1	1764.6	1695.5	1659.9	1658.9
22.5°	1967.9	1850.0	1761.6	1714.8	1711.8
25°	2088.9	1926.2	1809.4	1749.4	1743.3
27.5°	2193.6	1987.2	1838.8	1767.7	1761.6
30°	2281.0	2033.0	1863.2	1780.9	1772.8
32.5°	2344.0	2059.4	1873.4	1785.0	1775.8
35°	2364.4	2049.2	1844.9	1748.4	1738.2
37.5°	2336.9	1983.2	1765.6	1658.9	1646.7
40°	2254.6	1867.3	1636.6	1526.8	1511.5
42.5°	2128.5	1725.0	1481.0	1376.3	1357.0
45°	1973.0	1564.4	1326.5	1209.6	1200.5
47.5°	1810.4	1395.6	1152.7	1047.0	1035.8
50°	1634.5	1200.5	982.9	868.1	868.1
52.5°	1425.1	1010.4	785.7	699.3	692.2
55°	1184.2	795.9	626.2	560.1	550.9
57.5°	925.0	611.9	500.1	461.5	451.3
60°	680.0	459.5	402.5	381.2	377.1
62.5°	461.5	349.7	324.3	315.1	314.1
65°	312.1	272.4	265.3	262.3	263.3
67.5°	239.9	226.7	223.6	222.6	222.6
70°	208.4	200.2	197.2	198.2	197.2
72.5°	196.2	185.0	186.0	188.1	187.0
75°	192.1	177.9	182.0	183.0	178.9
77.5°	189.1	169.8	179.9	183.0	171.8
80°	183.0	162.6	187.0	188.1	168.7
82.5°	167.7	144.3	187.0	172.8	152.5
85°	142.3	109.8	211.4	150.4	112.8
87.5°	90.5	65.1	143.3	102.7	68.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)