

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: P158784

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158784
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-F05-LED-E1-SLL-7030
Description: VENTUS LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (35) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10131 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

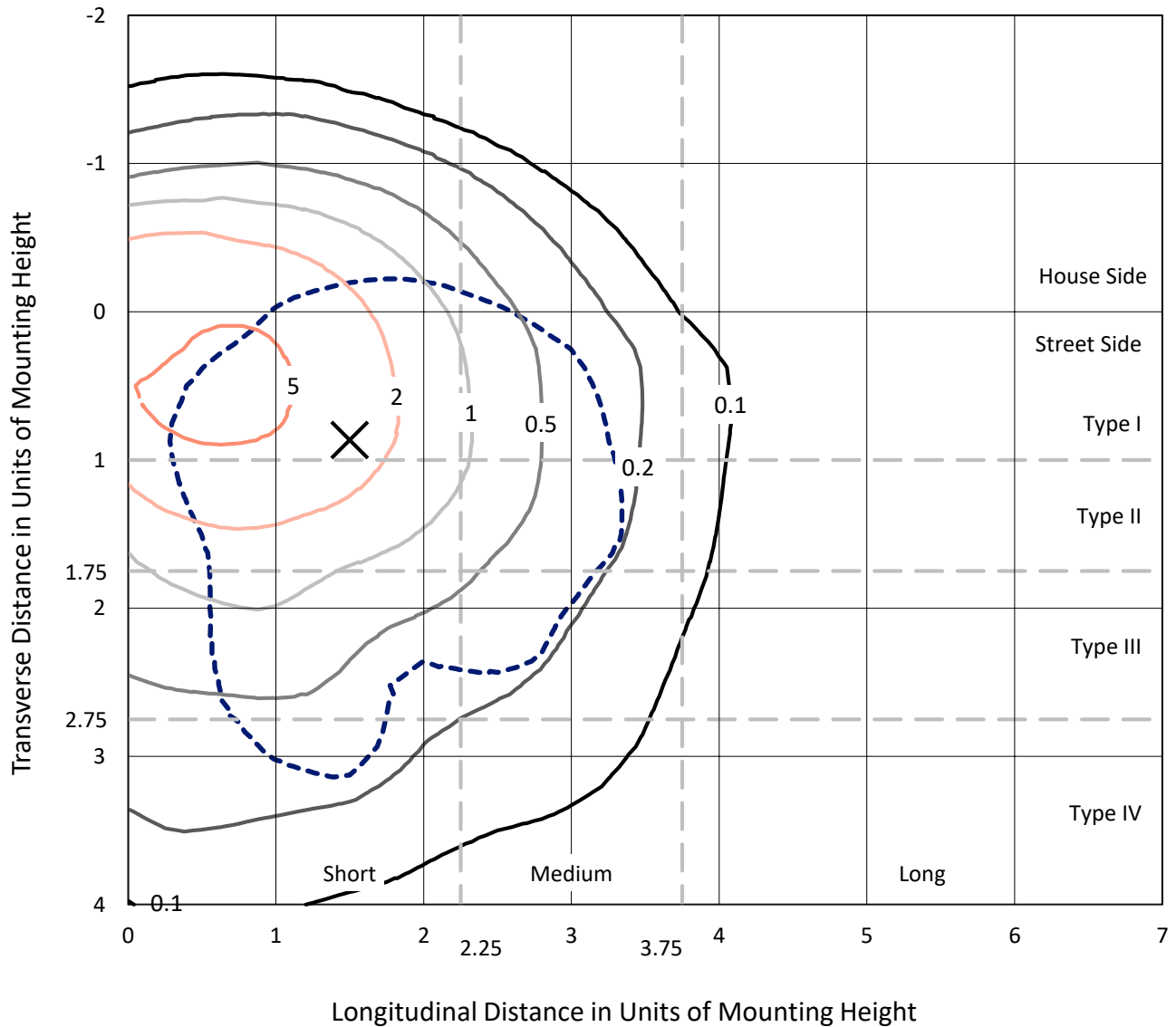
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P158784

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

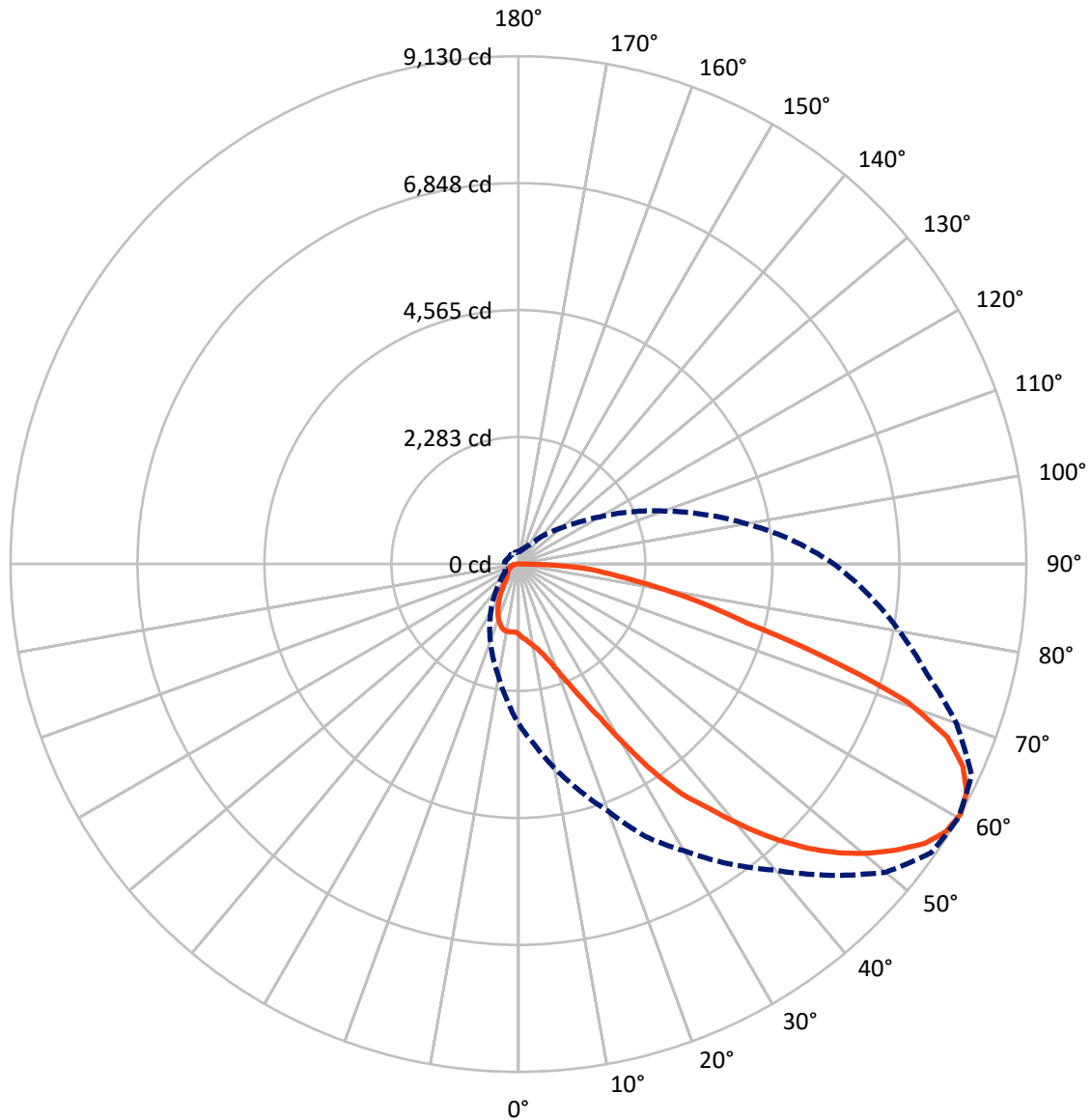


Based on 20 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P158784

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P158784

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

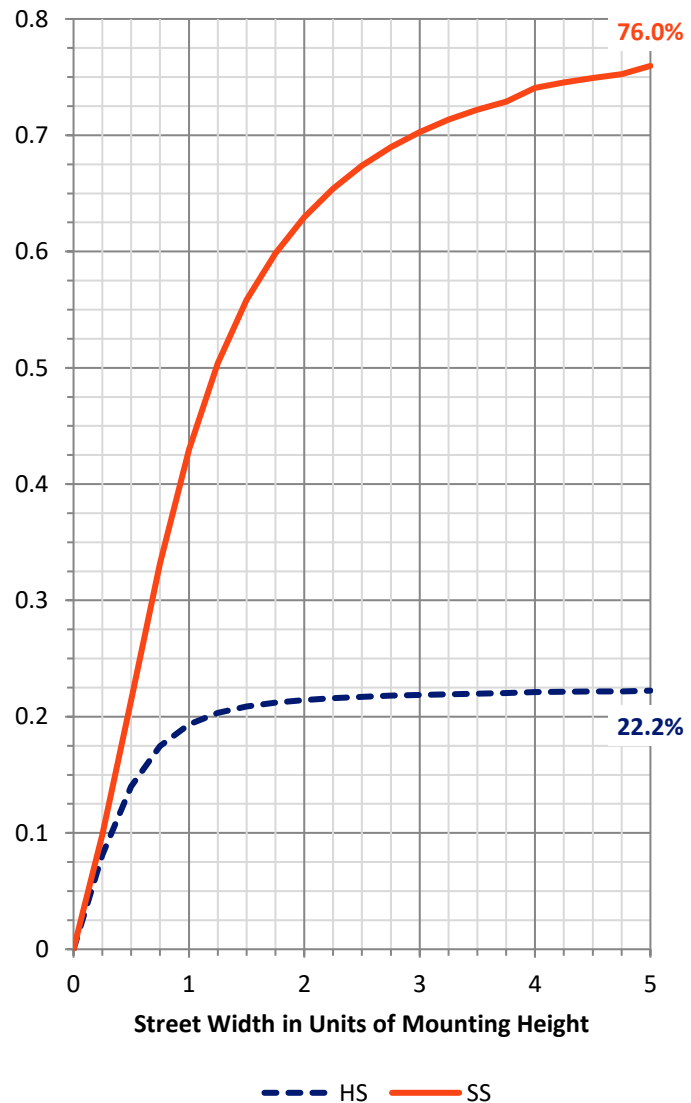
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2281.2	0.0	2281.2
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	7849.8	0.0	7849.8
	% Fixture	77.5	0.0	77.5
Total	Lumens	10131.0	0.0	10131.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.2
10°-20°	401.3	4.0
20°-30°	761.6	7.5
30°-40°	1199.3	11.8
40°-50°	1674.0	16.5
50°-60°	2070.3	20.4
60°-70°	2146.0	21.2
70°-80°	1350.4	13.3
80°-90°	403.7	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°	10131.0	100.0
0°-180°	10131.0	100.0



REPORT NUMBER: P158784

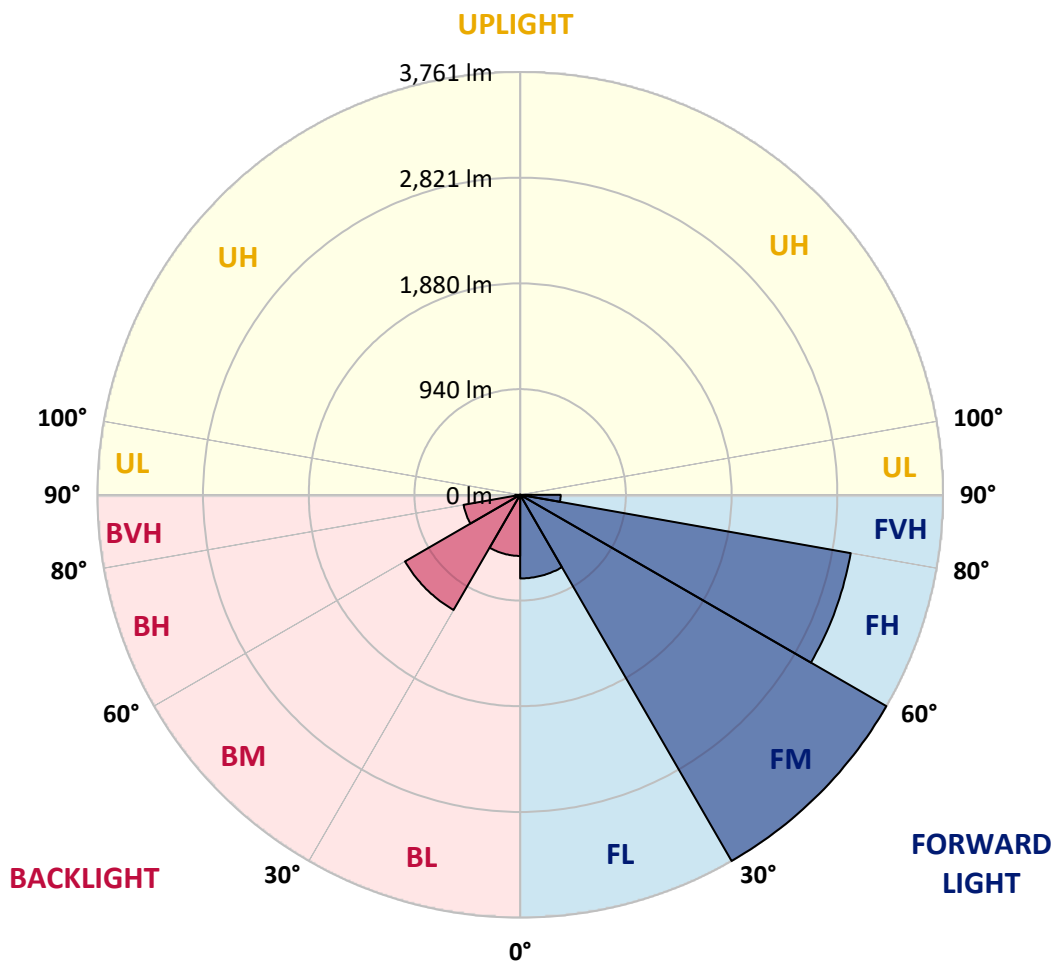
CATALOG NUMBER: VTS-F05-LED-E1-SLL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	743.8	7.3			
FM (30°-60°)	3760.8	37.1			
FH (60°-80°)	2985.5	29.5			G2/5000
FVH (80°-90°)	359.7	3.6			G3/500
BL (0°-30°)	543.5	5.4	B2/1000		
BM (30°-60°)	1182.9	11.7	B2/2500		
BH (60°-80°)	510.9	5.0	B2/1000		G2/1000
BVH (80°-90°)	43.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P158784

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1334.6	1333.1	1333.1	1333.1	1332.3	1330.8	1333.1	1332.3	1328.5	1326.3	1328.5
5°	1351.9	1352.7	1354.9	1355.7	1355.7	1357.9	1364.0	1364.7	1364.0	1365.5	1369.3
7.5°	1368.5	1372.3	1374.5	1378.3	1382.8	1386.6	1397.1	1407.7	1414.5	1419.8	1421.3
10°	1395.6	1401.7	1408.5	1418.3	1428.8	1447.7	1456.7	1467.3	1474.1	1484.6	1486.9
12.5°	1465.0	1472.5	1477.1	1492.2	1505.7	1523.8	1536.6	1539.7	1555.5	1564.5	1575.1
15°	1581.9	1593.2	1609.0	1618.1	1633.1	1649.0	1660.3	1675.4	1677.6	1689.7	1698.0
17.5°	1725.1	1741.0	1773.4	1795.3	1814.9	1830.7	1853.3	1870.7	1874.4	1888.0	1870.7
20°	1925.7	1964.2	1969.4	2013.2	2030.5	2062.2	2107.4	2115.7	2137.6	2115.7	2102.9
22.5°	2197.1	2257.5	2274.0	2316.3	2337.4	2385.6	2399.2	2443.7	2458.8	2442.2	2407.5
25°	2509.3	2602.8	2651.0	2715.9	2726.4	2825.2	2835.8	2887.8	2859.9	2819.9	2820.7
27.5°	2739.3	2898.4	3022.8	3133.6	3211.3	3322.8	3409.6	3433.7	3407.3	3355.3	3337.2
30°	2870.5	3050.7	3229.4	3382.4	3563.4	3733.8	3911.0	3999.2	4014.3	4041.4	3932.1
32.5°	2954.9	3186.4	3399.0	3588.3	3773.7	3993.1	4230.7	4457.6	4648.4	4792.4	4724.5
35°	3025.8	3311.5	3583.7	3812.9	4032.4	4271.4	4511.1	4778.8	5094.7	5279.5	5317.9
37.5°	3054.4	3403.5	3736.8	4030.8	4339.2	4608.4	4846.7	5084.9	5416.7	5746.2	5848.0
40°	3049.1	3448.8	3828.0	4197.5	4575.2	4911.5	5190.5	5472.5	5860.8	6246.1	6412.0
42.5°	3013.7	3455.6	3886.1	4308.3	4738.8	5186.0	5542.6	5867.6	6240.0	6733.9	6968.4
45°	2969.2	3432.2	3898.1	4364.9	4860.2	5377.5	5828.4	6230.2	6666.8	7154.6	7438.1
47.5°	2908.9	3395.2	3883.1	4384.5	4914.5	5500.4	6030.4	6513.7	6994.0	7555.8	7915.4
50°	2843.3	3342.5	3852.2	4370.1	4928.1	5567.5	6145.8	6696.2	7257.2	7863.4	8318.1
52.5°	2797.3	3285.9	3824.3	4340.7	4914.5	5587.8	6188.0	6794.2	7418.5	8045.1	8588.0
55°	2740.8	3210.5	3749.6	4272.1	4864.8	5576.5	6183.5	6828.2	7463.0	8115.2	8735.0
57.5°	2744.5	3175.8	3686.3	4189.9	4763.0	5471.7	6098.3	6794.2	7392.9	8070.0	8740.3
60°	2863.7	3250.5	3719.4	4206.5	4732.8	5405.4	5953.5	6575.6	7187.1	7913.9	8618.1
62.5°	3109.5	3463.8	3889.9	4372.4	4902.5	5538.1	5887.9	6212.2	6755.0	7626.6	8410.0
65°	3402.8	3722.5	4091.9	4551.1	5145.3	5753.7	5851.0	5916.6	6191.0	7067.9	8019.5
67.5°	3696.1	3981.8	4272.1	4652.9	5283.2	5815.6	5700.2	5544.1	5691.9	6418.7	7251.9
70°	3801.6	4180.9	4371.7	4633.3	5178.4	5671.5	5456.7	5063.8	5115.1	5775.6	6384.8
72.5°	3643.3	4183.9	4247.2	4344.5	4711.7	5175.4	4948.5	4443.3	4432.7	4937.1	5429.5
75°	3055.9	3816.7	3816.0	3779.8	3862.7	4126.6	4009.0	3704.4	3833.3	4230.7	4392.8
77.5°	2178.3	2978.3	3016.0	2772.4	2766.4	2885.5	2956.4	3310.8	3778.3	4001.4	3950.2
80°	1368.5	2009.4	2171.5	1870.7	1806.6	1975.5	2413.5	2929.3	3504.6	3705.1	3532.5
82.5°	824.1	1294.6	1639.9	1469.5	1454.5	1762.1	2246.1	2446.7	2619.4	2832.8	2544.0
85°	559.5	862.6	1121.9	1155.9	1287.8	1606.0	1816.4	1727.4	1731.9	1676.1	1526.8
87.5°	107.1	235.2	384.5	469.0	520.3	699.0	760.0	688.4	726.8	531.6	581.3
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: P158784

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1324.8	1324.8	1324.8	1321.0	1321.8	1316.5	1314.2	1314.2	1311.9	1311.9	1311.2
5°	1366.2	1361.7	1364.0	1363.2	1363.2	1355.7	1351.9	1351.9	1342.1	1342.9	1339.8
7.5°	1428.1	1427.3	1429.6	1425.0	1419.0	1413.0	1407.0	1403.9	1390.4	1382.1	1376.8
10°	1498.2	1497.4	1499.7	1498.9	1488.4	1477.1	1460.5	1448.4	1431.8	1419.0	1406.2
12.5°	1575.1	1574.3	1572.8	1566.0	1554.7	1536.6	1515.5	1495.2	1470.3	1453.7	1434.8
15°	1695.0	1692.7	1683.7	1673.9	1661.8	1633.9	1597.0	1567.6	1534.4	1505.7	1474.8
17.5°	1872.2	1853.3	1851.8	1829.9	1797.5	1760.6	1725.9	1676.9	1629.4	1586.4	1544.2
20°	2116.5	2072.7	2060.7	2035.8	1992.8	1954.4	1879.0	1813.4	1748.5	1689.7	1636.2
22.5°	2382.6	2351.0	2321.5	2280.8	2222.0	2166.2	2070.5	1988.3	1905.3	1829.9	1770.4
25°	2754.3	2699.3	2646.5	2581.7	2500.2	2433.9	2324.6	2241.6	2133.0	2064.4	1978.5
27.5°	3234.6	3140.4	3051.4	2995.6	2852.4	2755.8	2616.4	2509.3	2378.1	2285.4	2183.6
30°	3859.7	3750.4	3618.4	3425.4	3255.0	3063.5	2890.8	2753.6	2614.1	2484.4	2366.8
32.5°	4634.8	4441.8	4232.9	3926.8	3647.1	3374.1	3144.2	2975.3	2832.8	2671.4	2505.5
35°	5290.0	5091.0	4794.6	4405.6	4060.3	3748.1	3472.9	3242.2	3055.9	2851.6	2632.2
37.5°	5807.3	5580.3	5302.1	4888.9	4524.0	4168.8	3880.1	3586.0	3341.7	3060.5	2783.0
40°	6399.9	6172.2	5866.1	5437.8	5005.8	4620.5	4281.9	3978.1	3678.0	3334.9	2978.3
42.5°	6916.4	6752.0	6442.1	5999.5	5520.7	5091.7	4721.5	4373.9	3981.8	3598.1	3175.8
45°	7454.7	7287.3	6993.3	6530.3	6021.4	5543.4	5100.8	4726.8	4263.8	3806.9	3323.6
47.5°	7930.5	7758.6	7461.5	7001.6	6461.0	5957.3	5470.2	5017.8	4480.2	3955.4	3420.1
50°	8384.4	8174.0	7901.9	7443.4	6865.9	6327.5	5799.0	5218.4	4648.4	4059.5	3485.7
52.5°	8801.4	8533.7	8275.8	7803.8	7179.5	6617.0	6027.4	5388.8	4751.7	4141.7	3530.2
55°	9038.1	8865.5	8557.1	8093.4	7402.7	6816.1	6172.2	5508.7	4854.2	4199.7	3549.0
57.5°	9111.3	9069.0	8810.4	8260.8	7533.9	6925.4	6270.2	5603.7	4922.8	4216.3	3522.7
60°	9053.2	9130.1	8988.4	8378.4	7593.5	6957.9	6318.5	5671.5	4934.9	4163.6	3442.7
62.5°	8867.0	9041.9	9023.8	8417.6	7562.6	6917.1	6313.2	5636.9	4821.8	3999.2	3263.3
65°	8560.8	8781.0	8858.7	8272.1	7388.4	6768.6	6179.0	5419.0	4507.4	3678.0	2962.4
67.5°	7984.8	8318.1	8393.5	7795.5	6933.0	6357.7	5792.2	4966.6	3925.3	3181.1	2492.7
70°	6830.4	7413.3	7515.1	6887.7	6130.0	5624.8	5145.3	4249.5	3268.6	2551.5	1912.9
72.5°	5452.9	5819.3	6027.4	5595.4	5031.4	4665.0	4301.5	3260.3	2466.3	1882.7	1316.5
75°	4263.1	4241.2	4427.4	4140.2	3808.4	3637.3	3364.3	2274.8	1652.0	1247.1	833.2
77.5°	3644.8	3364.3	3152.4	2950.4	2753.6	2699.3	2437.7	1411.5	1020.9	747.2	498.4
80°	3029.5	2517.6	2130.8	1846.5	1776.4	1883.5	1595.5	832.4	604.7	429.0	312.9
82.5°	2164.7	1811.1	1474.1	1293.9	1174.0	1344.4	941.0	462.2	328.0	257.1	207.3
85°	1403.2	1341.4	1327.0	1268.2	1122.7	1060.1	714.8	398.1	245.8	159.8	128.9
87.5°	539.9	692.2	798.5	855.8	925.1	824.1	372.5	137.2	135.0	82.9	62.6
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: P158784

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1305.9	1302.9	1302.1	1299.9	1298.4	1298.4	1294.6	1226.0	1225.2	1225.2	1224.5
5°	1333.8	1330.0	1326.3	1325.5	1322.5	1322.5	1318.7	1250.1	1250.1	1250.1	1248.6
7.5°	1371.5	1364.0	1359.5	1357.2	1352.7	1354.9	1357.9	1288.6	1289.3	1288.6	1290.1
10°	1398.7	1394.1	1388.9	1387.3	1384.3	1386.6	1391.1	1322.5	1324.8	1325.5	1327.0
12.5°	1425.0	1417.5	1410.7	1408.5	1407.0	1413.0	1418.3	1351.9	1354.2	1356.4	1356.4
15°	1457.5	1444.7	1435.6	1430.3	1427.3	1433.3	1440.9	1375.3	1376.0	1378.3	1377.5
17.5°	1512.5	1493.7	1472.5	1468.8	1459.0	1461.2	1462.7	1389.6	1386.6	1381.3	1372.3
20°	1597.7	1569.1	1540.4	1528.3	1508.7	1500.4	1483.9	1390.4	1371.5	1355.7	1342.1
22.5°	1719.9	1677.6	1646.7	1626.4	1586.4	1558.5	1513.3	1386.6	1351.2	1324.0	1302.9
25°	1917.4	1866.9	1819.4	1768.1	1705.5	1649.7	1583.4	1419.8	1364.7	1318.0	1277.3
27.5°	2109.7	2029.8	1956.6	1879.7	1791.5	1707.8	1614.3	1430.3	1367.7	1307.4	1241.1
30°	2253.7	2137.6	2026.7	1914.4	1799.0	1690.5	1584.9	1394.1	1319.5	1251.6	1181.5
32.5°	2341.1	2190.4	2046.3	1906.8	1771.1	1649.0	1530.6	1331.6	1249.4	1169.4	1094.8
35°	2424.1	2237.1	2058.4	1894.0	1738.7	1603.0	1475.6	1258.4	1160.4	1075.2	980.9
37.5°	2526.6	2286.1	2065.9	1870.7	1691.2	1535.9	1395.6	1166.4	1068.4	963.6	874.6
40°	2649.5	2336.6	2058.4	1823.9	1617.3	1447.7	1299.1	1069.9	960.6	858.8	771.3
42.5°	2766.4	2381.1	2038.8	1761.3	1536.6	1355.7	1210.9	984.0	874.6	770.6	683.9
45°	2853.1	2418.8	2029.0	1717.6	1474.8	1293.1	1133.3	914.6	799.2	694.4	606.2
47.5°	2913.4	2441.4	2024.5	1693.5	1431.8	1228.3	1062.4	845.2	723.8	618.3	532.3
50°	2945.1	2440.7	2013.2	1667.1	1368.5	1150.6	989.2	775.1	654.5	551.2	472.8
52.5°	2953.4	2427.1	1989.0	1618.8	1291.6	1072.9	910.8	702.0	593.4	494.6	415.5
55°	2934.5	2393.9	1938.5	1538.1	1209.4	990.7	839.2	644.7	533.8	440.3	378.5
57.5°	2881.0	2335.1	1843.5	1427.3	1122.7	914.6	757.0	575.3	469.0	390.6	339.3
60°	2781.5	2210.7	1695.0	1296.1	1012.6	798.5	643.9	484.8	400.4	341.6	300.1
62.5°	2597.5	2015.4	1486.1	1115.2	854.3	647.7	514.2	386.8	323.5	285.0	259.4
65°	2301.2	1721.4	1244.1	878.4	649.2	471.2	382.3	291.0	245.0	221.7	214.1
67.5°	1878.2	1329.3	904.8	610.0	439.6	330.2	266.2	212.6	190.8	181.7	178.7
70°	1365.5	905.5	585.9	385.3	290.3	230.7	201.3	171.2	159.1	156.8	156.8
72.5°	857.3	550.4	358.9	263.9	220.2	187.0	171.9	150.8	146.3	144.8	142.5
75°	502.9	334.0	254.1	216.4	188.5	167.4	154.6	137.2	134.2	133.5	131.2
77.5°	320.4	240.5	205.1	184.7	170.4	151.6	140.2	122.1	121.4	120.6	119.9
80°	230.0	199.8	179.5	163.6	149.3	131.9	125.2	110.8	109.3	108.6	110.1
82.5°	174.2	165.1	156.8	144.8	125.2	112.3	107.1	97.3	98.0	94.2	93.5
85°	119.9	118.4	117.6	112.3	98.0	86.7	82.9	77.7	81.4	77.7	73.1
87.5°	58.8	58.1	53.5	63.3	58.8	46.7	42.2	46.7	52.0	50.5	46.7
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: P158784

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1221.5	1218.5	1220.7	1219.2	1219.2	1218.5	1220.0	1217.7	1216.2	1217.7	1218.5
5°	1245.6	1241.8	1242.6	1237.3	1239.6	1234.3	1235.8	1232.0	1228.3	1226.7	1226.7
7.5°	1286.3	1282.5	1278.0	1277.3	1269.0	1266.0	1260.7	1257.7	1255.4	1250.1	1247.1
10°	1323.3	1317.2	1311.9	1311.2	1302.9	1295.4	1288.6	1282.5	1278.8	1271.2	1267.5
12.5°	1353.4	1347.4	1339.1	1334.6	1326.3	1317.2	1312.7	1303.7	1298.4	1290.1	1283.3
15°	1370.8	1360.2	1348.1	1339.8	1327.8	1318.0	1311.2	1304.4	1299.1	1288.6	1278.8
17.5°	1362.5	1345.1	1328.5	1313.5	1296.9	1287.8	1278.0	1269.7	1268.2	1256.2	1241.1
20°	1327.8	1307.4	1285.6	1265.2	1243.3	1230.5	1218.5	1205.6	1201.9	1187.5	1167.9
22.5°	1285.6	1262.2	1237.3	1212.4	1184.5	1166.4	1148.3	1132.5	1119.7	1098.6	1070.7
25°	1242.6	1207.9	1171.7	1140.0	1107.6	1085.0	1066.1	1048.8	1033.7	999.8	971.1
27.5°	1186.0	1131.7	1094.8	1058.6	1019.4	990.0	968.9	944.8	928.2	889.0	858.8
30°	1113.6	1059.4	1006.6	970.4	931.2	899.5	872.4	837.7	813.6	784.9	757.0
32.5°	1022.4	968.1	914.6	873.9	841.5	802.2	768.3	735.1	707.2	679.3	657.5
35°	911.6	858.8	808.3	767.6	731.4	700.5	668.0	639.4	607.7	577.6	564.7
37.5°	794.7	738.2	682.4	646.9	618.3	596.4	566.2	542.9	514.2	496.1	481.0
40°	692.9	632.6	579.8	549.7	527.0	502.2	477.3	459.2	438.8	420.7	409.4
42.5°	607.0	550.4	505.2	479.5	452.4	425.3	406.4	391.3	378.5	364.9	351.4
45°	527.8	473.5	435.8	404.1	381.5	359.7	346.8	340.1	332.5	324.2	315.2
47.5°	461.4	414.7	377.8	348.3	325.0	309.9	303.9	301.6	298.6	291.8	287.3
50°	410.9	372.5	334.8	308.4	288.8	281.2	274.5	272.2	268.4	266.2	263.1
52.5°	368.7	328.0	296.3	272.2	260.1	257.1	254.1	251.1	250.3	248.8	247.3
55°	334.0	298.6	269.2	251.1	245.0	242.8	242.0	239.0	238.3	238.3	236.0
57.5°	303.1	272.9	246.6	235.2	231.5	229.2	227.7	226.2	226.2	227.7	227.0
60°	271.4	245.8	230.0	223.9	221.7	217.9	214.1	212.6	213.4	217.2	217.2
62.5°	240.5	221.7	211.9	209.6	207.3	204.3	199.8	198.3	199.8	204.3	206.6
65°	206.6	198.3	195.3	193.8	192.3	190.0	187.0	185.5	186.2	188.5	191.5
67.5°	175.7	174.9	174.9	175.7	174.9	174.2	172.7	170.4	169.6	169.6	171.2
70°	156.8	156.8	159.1	159.1	158.3	158.3	156.1	153.8	152.3	150.8	151.6
72.5°	142.5	142.5	143.3	144.0	143.3	143.3	140.2	138.7	135.0	134.2	132.7
75°	130.4	128.9	128.9	128.2	127.4	128.2	125.2	121.4	119.9	119.1	117.6
77.5°	118.4	115.4	113.9	112.3	113.1	112.3	110.1	107.8	105.6	104.8	104.1
80°	104.8	100.3	98.0	94.2	96.5	97.3	95.8	93.5	92.7	92.0	91.2
82.5°	86.7	82.2	79.2	76.9	75.4	76.9	79.2	84.4	82.9	82.2	80.7
85°	67.9	60.3	56.5	57.3	53.5	54.3	61.1	64.1	64.1	65.6	64.1
87.5°	38.5	36.9	27.9	25.6	27.1	32.4	36.2	40.0	40.0	37.7	42.2
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: P158784

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1218.5	1220.0	1220.7	1223.7	1225.2	1226.0	1226.7	1228.3	1229.0	1228.3	1232.0
5°	1224.5	1224.5	1223.0	1225.2	1226.0	1226.0	1224.5	1226.0	1226.0	1226.0	1229.8
7.5°	1240.3	1235.8	1233.5	1230.5	1228.3	1225.2	1221.5	1221.5	1220.7	1221.5	1223.7
10°	1256.9	1250.1	1241.8	1234.3	1227.5	1222.2	1215.4	1213.2	1212.4	1211.7	1217.7
12.5°	1269.7	1257.7	1244.8	1232.0	1218.5	1209.4	1198.1	1191.3	1190.6	1190.6	1198.1
15°	1260.7	1241.1	1216.2	1193.6	1181.5	1168.7	1155.9	1147.6	1146.8	1148.3	1152.9
17.5°	1215.4	1183.8	1161.9	1140.0	1124.2	1113.6	1105.4	1103.8	1106.9	1103.8	1109.9
20°	1138.5	1104.6	1089.5	1072.2	1066.1	1058.6	1046.5	1036.0	1036.0	1022.4	1026.2
22.5°	1039.0	1020.2	1000.5	987.0	982.5	969.6	956.8	942.5	941.0	924.4	922.1
25°	935.0	916.1	900.3	897.3	883.7	866.3	854.3	837.7	833.9	817.3	815.1
27.5°	828.6	813.6	797.7	788.7	781.1	762.3	751.7	732.1	724.6	706.5	704.2
30°	727.6	717.0	698.2	690.7	676.3	654.5	631.8	619.8	613.8	594.9	588.9
32.5°	632.6	616.0	601.7	592.6	574.5	549.7	529.3	512.0	500.7	478.0	472.0
35°	542.1	525.5	518.7	495.4	479.5	463.0	435.1	424.5	404.1	386.8	380.8
37.5°	462.2	446.4	437.3	417.7	401.9	385.3	368.7	355.1	345.3	341.6	341.6
40°	393.6	385.3	374.0	359.7	349.1	337.0	328.0	323.5	322.7	324.2	328.0
42.5°	344.6	335.5	328.0	320.4	312.9	311.4	309.1	312.2	315.9	319.7	323.5
45°	307.6	300.1	295.6	292.5	291.8	294.1	298.6	303.1	309.9	314.4	317.4
47.5°	281.2	275.2	273.7	272.9	276.7	283.5	289.5	296.3	301.6	306.1	309.1
50°	258.6	253.3	252.6	251.8	257.1	263.1	268.4	277.5	281.2	284.3	286.5
52.5°	242.8	238.3	236.0	236.8	242.0	247.3	254.8	261.6	266.9	269.2	271.4
55°	230.0	228.5	223.2	225.4	230.7	237.5	245.0	252.6	257.9	261.6	265.4
57.5°	220.2	216.4	212.6	216.4	221.7	228.5	237.5	244.3	251.1	256.4	260.1
60°	209.6	206.6	203.6	207.3	212.6	219.4	226.2	235.2	243.5	248.8	252.6
62.5°	200.6	198.3	195.3	196.0	198.3	202.8	206.6	214.9	222.4	229.2	233.7
65°	187.7	187.0	182.5	183.2	184.7	189.3	192.3	199.8	207.3	213.4	217.2
67.5°	168.9	167.4	167.4	169.6	170.4	172.7	174.9	182.5	188.5	193.0	197.5
70°	150.0	149.3	149.3	150.8	150.0	152.3	155.3	162.1	169.6	174.2	178.7
72.5°	131.9	131.9	131.2	132.7	132.7	133.5	137.2	143.3	150.0	153.8	156.8
75°	116.1	115.4	115.4	115.4	116.1	116.1	119.9	125.2	131.9	134.2	138.7
77.5°	101.8	101.8	101.8	101.8	102.5	101.8	104.1	107.8	110.1	113.9	113.9
80°	89.7	89.0	89.7	90.5	90.5	89.7	89.7	90.5	91.2	91.2	91.2
82.5°	79.2	76.9	78.4	82.2	82.2	82.2	81.4	76.2	72.4	72.4	73.9
85°	63.3	63.3	64.1	69.4	70.1	67.1	70.1	62.6	55.0	52.8	54.3
87.5°	39.2	30.9	37.7	43.0	43.0	40.7	45.2	42.2	35.4	28.7	27.1
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: P158784
 CATALOG NUMBER: VTS-F05-LED-E1-SLL-7030

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	0°
2.5°	1235.0	1235.8	1240.3	1242.6	1242.6	1245.6	1247.1	1251.6	1250.9	1250.9	1252.4	2.5°
5°	1233.5	1235.8	1240.3	1243.3	1244.8	1248.6	1251.6	1256.9	1256.2	1257.7	1258.4	5°
7.5°	1228.3	1234.3	1238.8	1244.8	1250.1	1253.1	1256.9	1261.4	1259.9	1260.7	1259.9	7.5°
10°	1223.7	1229.8	1238.8	1247.1	1254.6	1259.2	1261.4	1266.7	1266.0	1267.5	1267.5	10°
12.5°	1205.6	1216.2	1227.5	1240.3	1251.6	1263.7	1271.2	1282.5	1287.8	1294.6	1302.1	12.5°
15°	1159.6	1171.7	1189.8	1204.1	1226.0	1242.6	1264.4	1286.3	1305.9	1324.8	1346.6	15°
17.5°	1114.4	1119.7	1134.0	1153.6	1173.2	1198.1	1224.5	1263.7	1299.1	1337.6	1379.8	17.5°
20°	1030.7	1039.8	1049.6	1072.9	1096.3	1131.7	1164.2	1215.4	1267.5	1327.8	1392.6	20°
22.5°	927.4	936.5	947.0	973.4	1002.1	1038.2	1077.5	1134.8	1204.1	1282.5	1369.3	22.5°
25°	815.8	821.1	829.4	855.8	873.1	920.6	968.1	1027.7	1103.1	1204.1	1305.2	25°
27.5°	692.9	702.7	709.5	721.6	761.5	802.2	852.0	916.1	1007.3	1110.6	1232.8	27.5°
30°	575.3	583.6	579.8	605.5	631.8	674.8	728.4	799.2	886.7	1009.6	1150.6	30°
32.5°	459.9	466.0	463.7	481.8	508.2	551.2	601.7	678.6	771.3	902.5	1055.6	32.5°
35°	379.3	380.8	389.1	397.4	420.0	454.7	497.6	564.7	659.7	780.4	942.5	35°
37.5°	341.6	344.6	349.9	361.2	377.8	402.6	438.1	490.1	571.5	677.8	822.6	37.5°
40°	330.2	332.5	335.5	343.1	358.9	380.8	412.4	456.2	515.7	605.5	723.1	40°
42.5°	325.0	325.0	325.0	329.5	341.6	364.9	401.1	444.1	496.1	564.0	659.0	42.5°
45°	317.4	317.4	316.7	318.9	327.2	350.6	389.8	438.1	493.9	558.7	640.9	45°
47.5°	309.1	308.4	306.1	306.1	311.4	334.8	375.5	427.5	488.6	563.2	651.5	47.5°
50°	286.5	286.5	286.5	288.8	293.3	314.4	358.1	413.2	483.3	566.2	668.0	50°
52.5°	273.7	274.5	276.7	276.7	281.2	303.1	349.1	410.2	486.3	577.6	689.2	52.5°
55°	267.7	269.9	272.2	272.2	276.0	298.6	346.1	412.4	497.6	600.9	725.3	55°
57.5°	262.4	264.7	266.2	266.2	269.2	288.8	337.8	408.7	504.4	623.6	769.8	57.5°
60°	252.6	254.1	254.8	254.8	255.6	272.2	318.9	390.6	489.3	622.0	794.0	60°
62.5°	234.5	237.5	238.3	239.0	239.0	254.8	294.8	361.2	456.9	599.4	787.2	62.5°
65°	220.9	222.4	224.7	226.2	229.2	239.8	271.4	325.7	414.7	554.2	749.5	65°
67.5°	199.8	202.1	204.3	207.3	210.4	217.2	242.0	285.8	357.4	477.3	665.0	67.5°
70°	181.0	181.7	184.0	187.7	188.5	192.3	210.4	240.5	292.5	383.0	535.3	70°
72.5°	157.6	159.1	162.1	166.6	166.6	169.6	180.2	196.0	229.2	292.5	395.1	72.5°
75°	137.2	138.7	141.0	141.0	137.2	138.0	145.5	156.8	181.7	220.2	288.0	75°
77.5°	113.9	116.9	119.1	114.6	113.1	115.4	119.1	127.4	145.5	174.9	216.4	77.5°
80°	94.2	95.8	96.5	97.3	95.8	98.0	101.0	106.3	118.4	141.0	171.2	80°
82.5°	75.4	76.9	79.2	82.2	82.2	90.5	91.2	91.2	98.0	112.3	134.2	82.5°
85°	55.8	58.8	61.8	65.6	66.4	70.9	68.6	67.9	70.1	83.7	92.7	85°
87.5°	28.7	30.9	32.4	35.4	31.7	33.2	33.2	30.9	27.1	33.9	37.7	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°



NUMBER: P158784

NUMBER: VTS-F05-LED-E1-SLL-7030

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
1253.9	1252.4	1253.9	1253.9	1256.2	1254.6	1334.6
1259.9	1258.4	1259.9	1261.4	1263.7	1263.7	1351.9
1260.7	1260.7	1259.2	1262.9	1266.0	1269.0	1368.5
1269.7	1269.7	1271.2	1272.0	1278.8	1286.3	1395.6
1306.7	1310.4	1317.2	1319.5	1331.6	1339.8	1465.0
1363.2	1384.3	1397.9	1402.4	1413.0	1428.8	1581.9
1420.5	1456.0	1492.9	1515.5	1529.1	1547.9	1725.1
1463.5	1529.9	1593.2	1649.7	1682.2	1719.1	1925.7
1467.3	1572.8	1679.9	1784.7	1871.4	1940.0	2197.1
1431.1	1569.8	1717.6	1878.2	2027.5	2151.1	2509.3
1385.1	1555.5	1744.0	1949.1	2145.1	2327.6	2739.3
1327.0	1531.4	1748.5	1979.2	2209.2	2428.6	2870.5
1238.8	1459.7	1694.2	1949.1	2216.0	2482.9	2954.9
1125.7	1351.2	1591.7	1882.0	2184.3	2504.8	3025.8
1010.4	1232.8	1491.4	1792.2	2133.8	2501.0	3054.4
888.2	1109.1	1373.8	1696.5	2065.2	2466.3	3049.1
805.3	1006.6	1266.0	1599.2	1989.0	2420.3	3013.7
757.0	933.4	1180.8	1510.2	1919.7	2365.3	2969.2
756.3	911.6	1135.5	1446.9	1849.5	2304.2	2908.9
782.6	925.1	1130.2	1419.8	1811.1	2259.7	2843.3
813.6	962.8	1158.1	1429.6	1810.3	2240.1	2797.3
862.6	1026.9	1219.2	1471.8	1829.9	2237.1	2740.8
925.1	1113.6	1329.3	1575.8	1906.1	2296.7	2744.5
989.2	1215.4	1473.3	1753.8	2056.1	2435.4	2863.7
1012.6	1293.9	1619.6	1962.6	2280.8	2643.5	3109.5
992.3	1311.9	1708.5	2124.8	2499.5	2887.0	3402.8
916.9	1238.8	1672.4	2170.7	2625.4	3059.7	3696.1
754.7	1057.1	1508.0	2067.5	2615.6	3095.1	3801.6
553.4	819.6	1226.0	1756.8	2325.3	2873.5	3643.3
399.6	579.8	885.2	1323.3	1838.2	2314.0	3055.9
286.5	401.9	574.5	869.4	1252.4	1611.3	2178.3
205.8	272.9	358.1	521.8	763.0	989.2	1368.5
151.6	187.0	235.2	324.2	449.4	576.1	824.1
103.3	110.1	141.8	191.5	294.8	423.7	559.5
39.2	44.5	52.0	78.4	131.9	151.6	107.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)