

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: P159203

Luminaire Tested: **VTS-F03-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159203
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-F03-LED-E1-T2-8030
Description: VENTUS LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6451.9 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

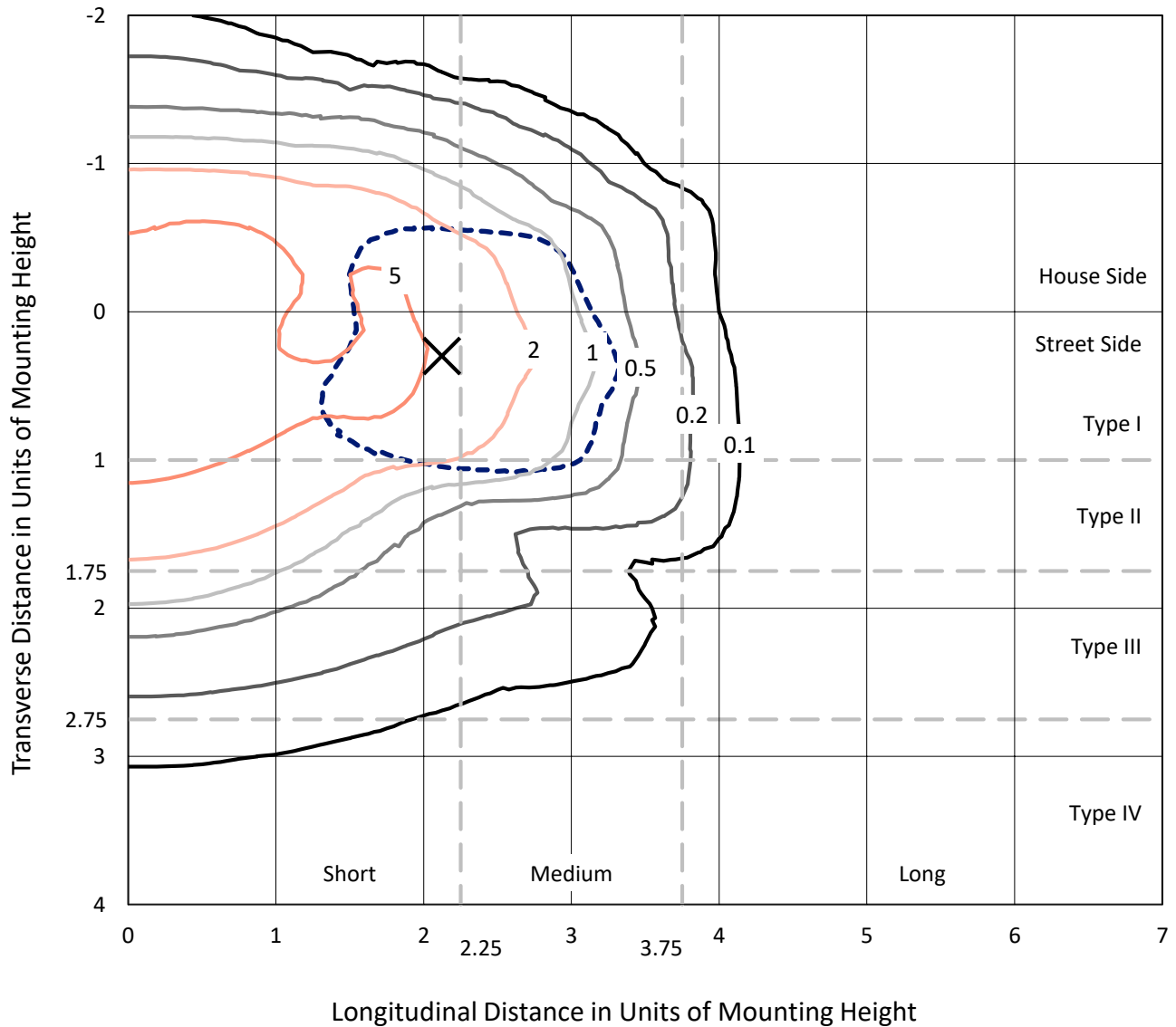
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

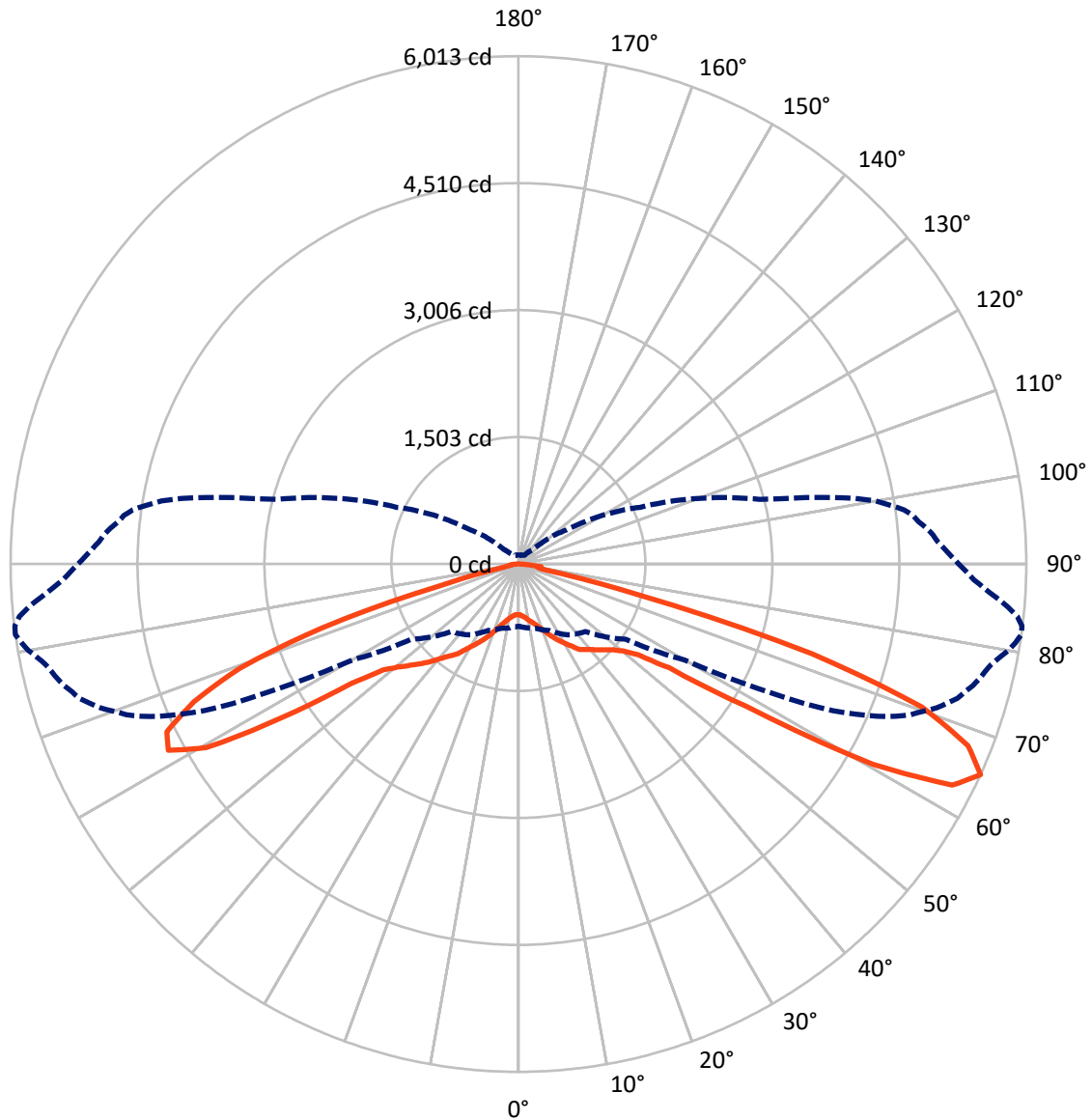


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2402.2	0.0	2402.2
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	4049.6	0.0	4049.6
	% Fixture	62.8	0.0	62.8
Total	Lumens	6451.9	0.0	6451.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	0.9
10°-20°	213.5	3.3
20°-30°	423.1	6.6
30°-40°	725.3	11.2
40°-50°	1089.6	16.9
50°-60°	1513.8	23.5
60°-70°	1727.0	26.8
70°-80°	594.9	9.2
80°-90°	103.7	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°	6451.9	100.0
0°-180°	6451.9	100.0

Coefficient of Utilization



REPORT NUMBER: P159203

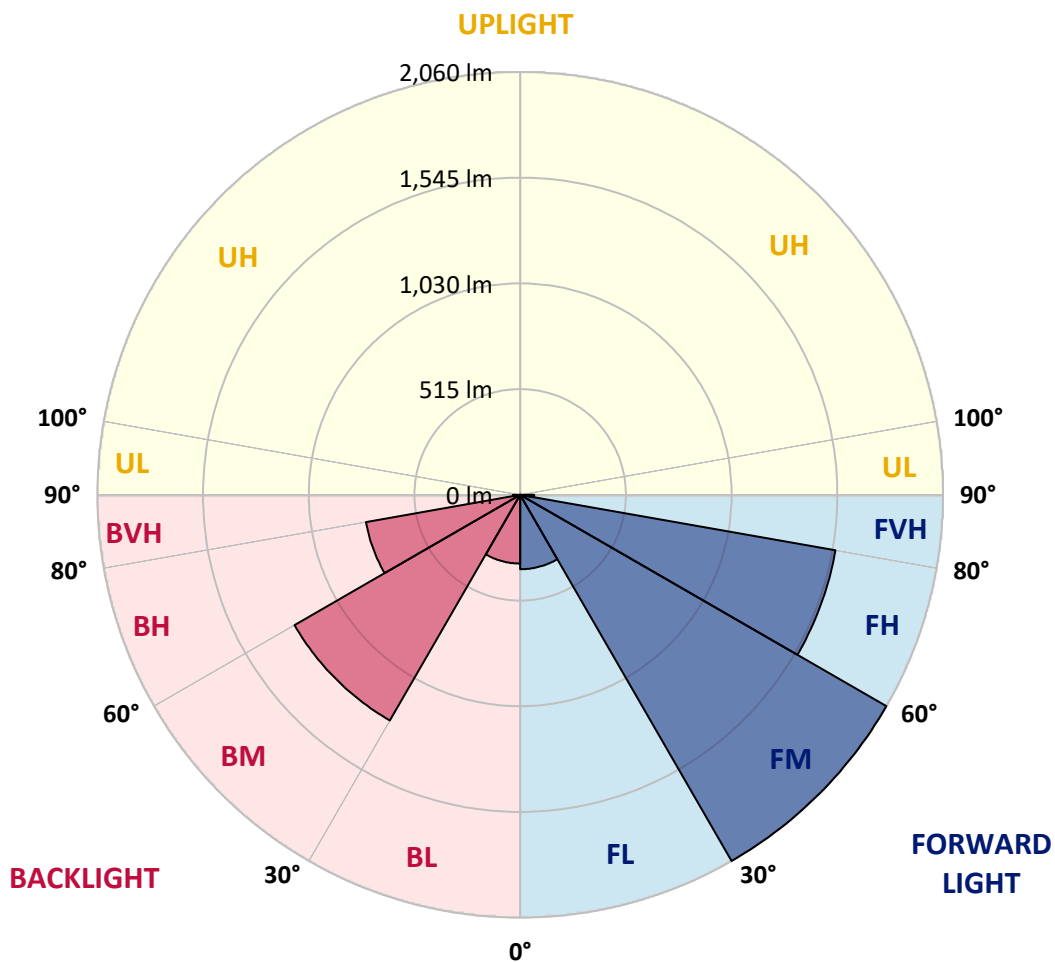
CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.5	5.6			
FM	(30°-60°)	2059.6	31.9			
FH	(60°-80°)	1559.3	24.2			G1/1800
FVH	(80°-90°)	68.3	1.1			G1/100
BL	(0°-30°)	335.0	5.2	B1/500		
BM	(30°-60°)	1269.2	19.7	B2/2500		
BH	(60°-80°)	762.6	11.8	B2/1000		G2/1000
BVH	(80°-90°)	35.4	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





REPORT NUMBER: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
2.5°	632.9	633.3	632.9	631.7	631.2	627.5	623.3	621.2	620.8	619.1	619.5
5°	672.2	671.0	669.3	667.2	665.1	658.8	651.7	648.0	646.7	645.5	643.8
7.5°	707.3	708.2	707.3	704.4	699.0	691.0	681.8	676.0	675.6	674.3	673.0
10°	752.5	754.6	749.5	744.5	737.0	724.9	714.4	706.9	705.7	704.0	703.1
12.5°	801.4	801.8	800.1	788.8	776.3	759.6	744.5	737.0	735.3	733.2	732.4
15°	853.6	854.1	844.9	834.0	814.8	794.7	773.8	765.4	763.3	763.8	760.4
17.5°	895.0	895.9	887.1	873.3	850.3	826.5	803.9	797.2	796.0	796.4	794.7
20°	913.0	914.3	908.8	898.4	876.6	855.7	839.4	835.2	834.8	834.0	837.3
22.5°	912.2	912.6	910.5	906.3	893.4	881.2	879.1	881.6	881.2	882.1	885.0
25°	904.6	905.9	905.5	907.1	905.1	909.7	919.3	928.1	929.3	931.0	936.4
27.5°	923.9	926.4	923.5	925.1	928.5	943.9	963.6	977.0	979.5	984.1	988.7
30°	999.1	995.8	992.0	987.8	989.9	999.5	1021.7	1033.4	1034.7	1038.0	1044.3
32.5°	1110.7	1107.0	1103.6	1096.9	1095.3	1091.1	1098.6	1101.5	1101.1	1104.5	1106.1
35°	1236.6	1237.0	1236.1	1241.2	1245.3	1224.0	1197.7	1190.6	1193.5	1189.7	1190.6
37.5°	1344.0	1345.3	1367.4	1395.0	1402.9	1389.6	1331.9	1303.5	1293.8	1292.6	1283.0
40°	1463.1	1463.1	1496.6	1530.4	1552.6	1569.3	1500.8	1450.6	1430.1	1424.3	1400.4
42.5°	1594.0	1587.3	1617.8	1655.0	1696.0	1734.0	1698.5	1642.1	1612.8	1602.4	1560.5
45°	1701.4	1697.2	1712.3	1747.0	1813.5	1887.9	1892.9	1864.0	1846.5	1824.8	1786.3
47.5°	1767.5	1765.4	1774.2	1811.8	1895.0	2015.4	2082.7	2097.3	2086.9	2070.1	2032.9
50°	1793.4	1790.5	1796.7	1838.5	1931.8	2090.6	2239.4	2308.4	2313.4	2317.2	2305.5
52.5°	1784.2	1780.4	1793.4	1828.5	1925.5	2117.0	2361.9	2494.5	2516.6	2535.4	2573.9
55°	1696.0	1690.1	1725.3	1791.3	1898.3	2107.3	2451.4	2673.4	2720.2	2770.4	2855.6
57.5°	1561.0	1555.9	1606.5	1697.2	1850.3	2081.0	2511.6	2899.5	3004.9	3095.2	3337.2
60°	1431.0	1426.8	1456.5	1544.2	1694.3	1952.7	2437.2	2975.6	3152.4	3347.3	3789.1
62.5°	1198.5	1187.2	1227.0	1300.9	1395.8	1615.3	2112.4	2806.3	3078.9	3365.2	3964.3
65°	736.6	752.9	787.2	869.1	1024.6	1129.1	1551.4	2270.4	2629.9	2989.0	3766.1
67.5°	467.8	472.4	497.9	554.7	675.1	780.1	940.2	1424.7	1701.8	2055.1	2956.8
70°	400.9	403.8	425.6	484.9	568.1	697.3	711.5	744.1	843.6	1068.5	1738.2
72.5°	316.0	321.1	338.2	389.6	489.9	628.7	878.3	588.2	568.1	586.9	848.2
75°	188.1	194.0	208.2	236.2	314.8	480.7	920.1	684.3	637.9	601.6	585.3
77.5°	99.5	95.3	104.9	121.2	161.8	256.3	691.4	838.6	806.0	762.5	670.1
80°	49.3	51.0	53.9	57.3	72.3	104.1	345.7	867.4	961.5	1003.3	921.4
82.5°	19.6	22.2	31.4	33.4	39.7	44.3	111.2	480.7	688.5	933.9	1219.4
85°	10.0	9.6	16.7	20.1	23.4	20.9	39.3	179.3	322.7	502.9	814.8
87.5°	1.3	1.7	3.8	5.0	7.1	6.7	11.3	38.9	61.9	87.8	123.3
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: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
2.5°	617.4	617.0	617.0	615.4	615.4	615.8	614.5	613.7	613.7	614.1	612.4
5°	642.5	641.3	641.3	639.6	637.5	637.5	635.8	635.4	634.6	632.9	631.7
7.5°	671.8	670.5	668.4	667.2	666.4	665.1	663.0	662.2	660.5	658.8	657.2
10°	701.9	700.2	699.4	697.3	696.5	693.9	692.7	693.1	689.8	688.5	688.9
12.5°	732.0	730.3	727.4	726.6	726.1	723.6	722.4	721.5	719.0	718.6	717.4
15°	758.7	759.6	758.3	756.2	754.6	754.1	752.9	752.1	750.4	748.7	747.0
17.5°	793.4	794.7	793.0	790.1	790.1	789.7	790.1	789.7	786.8	788.0	787.2
20°	837.8	838.6	834.4	835.7	836.5	836.1	837.3	838.6	837.8	837.8	839.0
22.5°	888.8	890.0	887.5	889.2	891.7	889.6	893.4	892.9	893.8	895.0	895.4
25°	941.0	943.5	941.4	946.0	944.4	946.0	950.6	949.4	951.5	954.8	956.1
27.5°	993.3	994.9	995.4	998.3	1001.2	1003.7	1009.6	1009.6	1011.2	1017.1	1017.1
30°	1048.0	1049.7	1051.4	1055.6	1057.2	1061.8	1067.7	1069.3	1068.5	1076.9	1079.4
32.5°	1111.2	1112.8	1115.8	1120.8	1122.9	1127.5	1127.5	1132.1	1135.4	1142.5	1142.9
35°	1195.2	1196.4	1195.2	1194.8	1197.7	1204.0	1204.4	1211.1	1214.0	1221.1	1223.2
37.5°	1279.2	1278.8	1273.4	1267.5	1267.9	1265.4	1263.7	1266.7	1267.9	1268.3	1272.9
40°	1392.5	1381.6	1373.3	1358.6	1351.9	1341.5	1335.2	1334.8	1328.1	1327.3	1328.5
42.5°	1540.9	1528.4	1508.7	1484.0	1465.2	1446.0	1431.8	1423.4	1408.8	1401.3	1395.0
45°	1748.2	1717.3	1693.9	1664.6	1628.3	1594.8	1559.7	1543.8	1515.8	1498.7	1479.4
47.5°	2001.6	1971.1	1935.1	1905.0	1857.4	1811.0	1762.9	1720.7	1671.7	1632.9	1601.1
50°	2276.7	2258.7	2232.8	2204.7	2143.3	2112.8	2052.2	1994.9	1942.2	1872.8	1812.2
52.5°	2558.8	2569.3	2563.4	2553.4	2514.5	2502.8	2450.6	2380.7	2327.7	2280.0	2174.7
55°	2906.6	2919.2	2944.3	2958.9	2954.3	2984.0	2971.0	2916.7	2895.4	2873.2	2798.4
57.5°	3438.8	3528.3	3624.0	3708.0	3727.7	3833.0	3810.4	3864.8	3903.3	3875.7	3851.4
60°	4006.1	4186.7	4349.3	4519.4	4657.8	4761.5	4898.6	4991.0	5049.1	5153.6	5162.0
62.5°	4234.8	4480.1	4686.7	4884.0	5048.3	5192.1	5315.8	5443.3	5547.8	5642.3	5710.4
65°	4109.3	4365.6	4616.0	4816.3	4974.3	5098.0	5232.6	5333.8	5436.6	5497.2	5568.7
67.5°	3416.2	3755.7	4063.8	4289.5	4505.6	4631.5	4790.8	4890.2	4999.4	5063.3	5109.3
70°	2227.3	2669.2	3090.2	3432.5	3724.3	3871.1	4063.4	4199.2	4330.5	4333.8	4410.3
72.5°	1201.9	1571.4	1923.8	2273.7	2606.5	2801.7	2991.5	3156.6	3287.1	3231.5	3307.5
75°	669.3	842.4	1035.1	1245.3	1448.1	1559.7	1701.4	1702.3	1769.6	1663.8	1690.6
77.5°	643.8	635.8	638.8	644.6	654.7	633.3	632.9	620.0	599.9	563.5	569.8
80°	845.7	744.5	671.8	557.7	449.0	366.2	343.2	348.6	365.0	397.6	438.9
82.5°	1222.8	1137.5	1015.4	835.7	655.9	505.8	415.5	368.7	366.6	399.2	461.9
85°	890.4	941.8	933.9	779.6	642.9	522.1	380.0	321.1	265.9	252.9	275.1
87.5°	131.3	108.7	122.5	102.4	74.4	57.7	50.6	40.6	38.9	39.7	43.5
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: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
2.5°	612.8	611.2	609.5	610.8	609.5	609.1	607.8	607.0	606.6	606.6	606.6
5°	631.7	629.6	628.3	627.9	626.6	625.4	625.0	622.9	622.5	622.5	621.2
7.5°	657.2	655.5	653.4	652.1	651.3	649.2	647.1	646.7	646.3	644.6	643.4
10°	686.8	684.3	681.8	681.8	680.2	679.7	677.6	674.7	674.3	671.8	671.0
12.5°	714.9	714.0	711.1	710.3	709.0	707.7	706.5	705.2	704.0	701.9	702.7
15°	748.3	746.2	743.7	744.1	743.7	742.0	740.4	739.1	738.3	737.4	737.4
17.5°	788.4	787.6	787.2	785.1	783.4	784.7	784.7	784.7	782.6	783.0	783.4
20°	839.4	840.3	839.4	837.8	837.3	838.6	835.7	840.3	837.8	836.1	836.9
22.5°	895.9	898.8	895.4	895.9	898.0	898.8	895.9	899.6	898.4	895.9	898.0
25°	957.3	959.4	957.7	957.3	958.6	961.5	961.1	960.7	963.6	961.1	962.3
27.5°	1020.4	1021.7	1022.5	1023.8	1024.6	1024.2	1025.9	1025.9	1027.5	1024.6	1025.9
30°	1083.1	1083.1	1084.8	1086.5	1086.5	1086.5	1089.8	1090.3	1087.7	1088.6	1085.7
32.5°	1150.0	1150.4	1152.1	1152.1	1155.5	1155.9	1159.6	1154.6	1159.6	1155.5	1156.3
35°	1228.6	1234.1	1234.9	1239.1	1242.4	1243.7	1243.7	1244.1	1248.7	1245.3	1246.6
37.5°	1274.6	1275.9	1279.2	1281.3	1281.3	1283.0	1284.2	1283.0	1284.2	1283.8	1285.1
40°	1329.0	1327.7	1331.5	1332.3	1330.6	1332.7	1332.3	1331.0	1334.4	1331.9	1333.6
42.5°	1395.0	1387.9	1387.5	1390.8	1387.5	1389.2	1388.7	1385.8	1390.0	1391.2	1390.0
45°	1465.7	1461.9	1454.4	1454.4	1451.0	1449.8	1450.2	1449.8	1450.2	1455.2	1456.9
47.5°	1580.6	1557.6	1544.7	1532.5	1522.5	1522.1	1517.5	1520.0	1523.3	1531.7	1539.2
50°	1773.3	1720.2	1687.6	1657.5	1635.8	1628.3	1619.5	1618.7	1621.6	1631.2	1644.2
52.5°	2117.0	2043.4	1974.0	1909.6	1853.6	1810.5	1789.2	1777.9	1773.7	1783.4	1795.9
55°	2745.7	2606.9	2509.1	2443.9	2304.7	2245.7	2170.1	2135.4	2101.5	2104.8	2126.2
57.5°	3820.1	3745.2	3663.3	3549.2	3463.9	3361.1	3172.1	3066.8	3071.3	3096.0	3019.1
60°	5228.0	5152.4	5118.5	5014.8	4955.5	4914.1	4813.7	4639.0	4577.1	4565.4	4424.1
62.5°	5762.7	5780.7	5807.4	5836.7	5835.0	5853.0	5765.2	5708.4	5636.9	5544.1	5404.4
65°	5623.1	5668.6	5723.0	5801.6	5891.0	5957.1	6012.7	6006.0	5939.1	5815.4	5667.8
67.5°	5150.3	5195.4	5235.1	5340.5	5487.2	5621.4	5740.1	5820.8	5776.1	5673.7	5501.4
70°	4439.6	4472.2	4497.3	4588.8	4749.8	4913.7	5068.8	5204.2	5190.4	5066.2	4928.7
72.5°	3216.8	3295.8	3338.5	3332.2	3431.7	3615.2	3637.0	3752.8	3784.9	3651.2	3432.1
75°	1567.2	1568.5	1519.2	1502.9	1507.9	1539.6	1479.0	1482.8	1461.9	1367.0	1288.8
77.5°	547.6	532.6	496.6	454.0	393.0	335.7	277.6	252.5	244.1	219.5	202.3
80°	472.0	494.1	487.0	451.9	387.5	308.9	230.8	171.0	145.9	137.1	128.8
82.5°	535.9	621.2	675.6	672.6	584.4	438.9	273.8	157.2	112.0	98.2	90.3
85°	298.9	321.5	327.7	298.5	247.9	169.3	94.5	66.5	56.4	51.4	46.4
87.5°	47.7	43.5	42.6	37.2	35.1	32.2	28.4	26.8	24.7	23.4	23.4
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: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
2.5°	606.2	605.7	604.5	603.2	602.4	602.0	601.6	600.7	600.3	599.9	599.1
5°	620.4	619.5	617.4	615.4	614.5	613.3	612.0	611.2	610.3	609.9	608.3
7.5°	642.5	641.7	639.2	637.5	637.1	633.8	633.3	632.1	630.0	629.6	627.1
10°	669.3	668.9	666.8	665.5	664.7	663.0	660.5	658.4	656.3	656.3	654.7
12.5°	700.2	698.5	699.8	696.9	696.0	694.4	693.1	692.7	690.2	688.1	687.7
15°	736.6	734.5	734.5	733.7	732.8	731.2	730.7	731.2	728.6	729.5	727.0
17.5°	781.7	782.6	782.2	782.2	780.1	780.1	776.7	780.9	778.0	780.1	779.2
20°	838.2	838.6	837.8	839.0	839.8	839.4	839.0	838.6	839.8	841.5	840.3
22.5°	898.4	898.4	898.0	902.6	897.5	901.3	902.6	900.0	906.7	905.9	907.1
25°	963.6	963.6	966.9	970.7	971.5	968.6	970.3	968.2	972.4	975.7	976.5
27.5°	1024.2	1029.6	1032.1	1029.6	1031.7	1036.3	1035.9	1035.9	1038.8	1038.0	1045.9
30°	1086.5	1089.8	1093.2	1091.5	1092.3	1098.2	1098.6	1099.0	1102.8	1108.2	1114.1
32.5°	1157.6	1160.9	1159.2	1164.7	1164.2	1171.4	1172.6	1173.9	1185.6	1183.5	1195.6
35°	1244.9	1248.3	1246.6	1252.5	1251.6	1254.1	1258.7	1263.7	1265.8	1278.0	1287.6
37.5°	1285.9	1285.9	1289.7	1296.3	1298.9	1303.0	1310.1	1316.4	1326.9	1339.8	1354.9
40°	1335.2	1336.5	1341.5	1348.6	1353.2	1362.8	1375.8	1384.6	1400.4	1414.7	1432.2
42.5°	1395.0	1400.4	1406.3	1415.9	1425.9	1441.0	1459.4	1470.7	1491.6	1510.0	1531.7
45°	1464.8	1470.3	1484.0	1501.6	1516.2	1533.0	1548.0	1574.8	1593.6	1612.8	1631.6
47.5°	1549.3	1565.1	1576.4	1597.3	1615.3	1637.5	1656.3	1681.4	1701.8	1725.3	1741.1
50°	1657.5	1677.2	1691.8	1719.0	1736.5	1761.2	1785.0	1803.8	1824.8	1847.7	1860.7
52.5°	1813.0	1833.1	1851.5	1885.4	1907.1	1923.8	1955.6	1979.0	1998.2	2015.0	2029.2
55°	2150.0	2144.1	2195.1	2260.8	2268.3	2328.9	2340.2	2359.8	2395.4	2400.4	2440.1
57.5°	3112.7	3082.6	3156.6	3252.8	3236.1	3205.5	3333.0	3341.0	3323.0	3371.1	3316.7
60°	4445.0	4392.4	4412.4	4438.8	4400.7	4382.7	4389.0	4407.0	4389.4	4370.2	4317.5
62.5°	5334.6	5253.5	5195.4	5146.5	5084.6	5039.9	4989.7	4927.9	4911.1	4840.9	4782.0
65°	5524.4	5398.2	5306.2	5213.8	5128.5	5049.5	4973.9	4920.8	4850.5	4767.3	4705.9
67.5°	5315.8	5159.5	5024.9	4890.7	4794.1	4677.9	4621.0	4534.5	4448.0	4352.6	4296.2
70°	4709.7	4546.6	4377.3	4246.0	4114.8	3971.0	3943.0	3840.5	3790.8	3660.8	3638.2
72.5°	3250.7	3142.0	3066.3	2904.1	2824.3	2750.7	2727.3	2632.4	2642.4	2499.9	2551.7
75°	1155.9	1140.4	1118.3	1026.7	1010.4	982.0	974.5	967.8	1035.5	941.4	1009.6
77.5°	198.6	197.3	186.0	180.6	191.0	184.4	186.0	182.7	202.3	205.3	200.7
80°	123.3	120.0	116.2	113.7	114.1	111.6	112.0	112.9	114.1	113.7	115.0
82.5°	84.4	81.5	79.8	78.2	80.7	81.5	83.6	85.7	89.0	91.1	93.6
85°	46.0	42.2	42.2	41.8	45.1	47.7	51.0	55.2	61.0	66.1	71.5
87.5°	23.4	22.6	23.0	23.8	26.8	28.8	33.0	36.8	41.8	47.2	52.3
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: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3	600.3
2.5°	598.6	598.6	598.2	598.2	597.8	597.4	597.0	595.7	591.1	586.9	584.0
5°	607.8	606.6	606.2	604.9	604.5	603.7	602.4	601.1	592.8	585.3	579.8
7.5°	626.6	625.0	624.1	622.9	621.6	620.0	618.3	617.0	607.0	598.2	591.5
10°	651.3	650.5	650.1	648.4	648.4	645.9	645.5	642.5	631.7	623.7	617.9
12.5°	685.6	683.9	683.5	681.4	682.2	681.4	680.6	678.9	671.0	661.8	653.8
15°	728.2	728.2	726.1	724.5	724.9	724.0	725.7	723.6	718.6	710.3	697.3
17.5°	779.6	778.8	779.6	778.4	779.2	780.1	778.0	778.4	775.9	765.4	746.2
20°	839.4	838.2	843.2	841.1	845.7	841.5	842.4	843.6	843.6	829.8	803.9
22.5°	908.0	907.1	907.1	911.3	913.0	913.4	915.1	916.3	919.7	902.1	860.7
25°	976.5	979.5	979.9	985.3	987.8	987.8	989.1	993.7	1003.7	979.5	926.0
27.5°	1046.4	1053.5	1055.1	1058.9	1062.7	1066.4	1069.3	1072.7	1089.0	1062.7	992.8
30°	1116.2	1124.1	1130.0	1134.1	1138.7	1147.9	1149.6	1156.3	1183.5	1151.3	1056.4
32.5°	1198.1	1209.4	1216.9	1222.4	1229.5	1238.2	1243.3	1251.6	1278.0	1225.3	1102.8
35°	1295.9	1302.6	1313.5	1322.7	1326.9	1341.9	1349.9	1351.9	1372.0	1289.2	1137.1
37.5°	1363.7	1374.9	1393.7	1406.7	1414.2	1422.6	1436.0	1444.8	1464.0	1347.3	1154.2
40°	1449.8	1466.9	1482.0	1501.2	1513.3	1519.6	1533.0	1540.1	1542.6	1397.1	1148.8
42.5°	1554.7	1570.2	1590.2	1605.7	1614.9	1622.0	1632.9	1635.8	1603.2	1420.5	1119.5
45°	1653.4	1677.2	1694.3	1705.6	1712.3	1716.1	1722.7	1723.2	1653.4	1408.8	1069.3
47.5°	1759.5	1776.7	1792.6	1800.5	1799.7	1800.5	1798.0	1796.3	1678.4	1368.2	1005.0
50°	1877.0	1888.3	1895.0	1898.7	1900.8	1892.9	1881.6	1874.1	1680.5	1310.6	939.8
52.5°	2034.6	2048.8	2047.6	2047.1	2030.4	2022.9	1992.8	1977.3	1668.4	1242.8	866.2
55°	2433.8	2420.0	2392.9	2406.2	2338.1	2302.6	2255.8	2212.3	1684.3	1178.5	780.9
57.5°	3338.5	3343.9	3266.6	3225.2	3110.2	2966.4	2850.6	2738.2	1827.3	1139.2	669.7
60°	4282.4	4211.3	4113.1	3963.4	3815.5	3601.8	3395.7	3200.9	1969.8	1098.2	538.0
62.5°	4694.6	4593.4	4445.0	4251.5	4019.0	3757.8	3501.1	3263.6	1900.8	965.7	391.3
65°	4611.0	4456.3	4292.4	4065.9	3783.3	3496.9	3197.2	2954.7	1590.2	720.3	241.2
67.5°	4173.7	4042.5	3869.4	3600.6	3298.3	3000.3	2725.6	2453.9	1181.4	449.0	135.0
70°	3522.8	3394.5	3218.9	2943.8	2642.0	2356.9	2066.0	1844.4	752.9	216.5	97.4
72.5°	2443.9	2339.8	2215.6	2019.6	1754.9	1495.8	1298.9	1128.7	417.2	115.0	89.0
75°	992.4	992.8	970.3	887.5	750.0	646.7	551.4	467.8	174.3	97.8	87.8
77.5°	224.9	228.7	250.0	237.0	213.6	199.8	178.9	158.0	106.2	100.7	88.6
80°	113.7	114.1	112.9	113.3	112.0	112.5	110.8	109.5	99.5	103.7	88.6
82.5°	94.9	97.0	96.6	96.6	97.0	97.0	97.0	96.6	103.3	109.1	85.7
85°	75.2	79.4	82.8	86.1	89.9	92.4	93.6	94.9	100.3	107.4	77.8
87.5°	56.9	61.9	66.1	69.4	75.2	75.2	79.4	82.4	82.4	84.0	41.0
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: P159203

CATALOG NUMBER: VTS-F03-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	600.3	600.3	600.3	600.3	600.3
2.5°	579.8	578.2	576.5	575.6	574.0
5°	575.6	572.3	570.2	570.2	568.5
7.5°	587.8	586.5	583.6	581.9	583.6
10°	613.7	611.6	608.3	605.7	607.0
12.5°	648.4	640.0	633.3	630.4	628.3
15°	684.3	667.6	654.2	646.7	644.6
17.5°	722.8	693.5	673.5	662.2	660.1
20°	762.1	725.7	697.3	682.7	682.2
22.5°	809.3	760.8	724.5	705.2	704.0
25°	859.1	792.2	744.1	719.4	716.9
27.5°	902.1	817.3	756.2	727.0	724.5
30°	938.1	836.1	766.3	732.4	729.1
32.5°	964.0	847.0	770.5	734.1	730.3
35°	972.4	842.8	758.7	719.0	714.9
37.5°	961.1	815.6	726.1	682.2	677.2
40°	927.2	767.9	673.0	627.9	621.6
42.5°	875.4	709.4	609.1	566.0	558.1
45°	811.4	643.4	545.5	497.5	493.7
47.5°	744.5	574.0	474.1	430.6	426.0
50°	672.2	493.7	404.2	357.0	357.0
52.5°	586.1	415.5	323.1	287.6	284.7
55°	487.0	327.3	257.5	230.3	226.6
57.5°	380.4	251.7	205.7	189.8	185.6
60°	279.7	189.0	165.5	156.8	155.1
62.5°	189.8	143.8	133.4	129.6	129.2
65°	128.3	112.0	109.1	107.9	108.3
67.5°	98.7	93.2	92.0	91.6	91.6
70°	85.7	82.4	81.1	81.5	81.1
72.5°	80.7	76.1	76.5	77.3	76.9
75°	79.0	73.2	74.8	75.2	73.6
77.5°	77.8	69.8	74.0	75.2	70.6
80°	75.2	66.9	76.9	77.3	69.4
82.5°	69.0	59.4	76.9	71.1	62.7
85°	58.5	45.1	87.0	61.9	46.4
87.5°	37.2	26.8	58.9	42.2	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)