

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: P164981

Luminaire Tested: **VTS-F09-LED-E1-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164981
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F09-LED-E1-SL2-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(9) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12293.9 lumens
Efficiency: N/A
Efficacy: 52.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

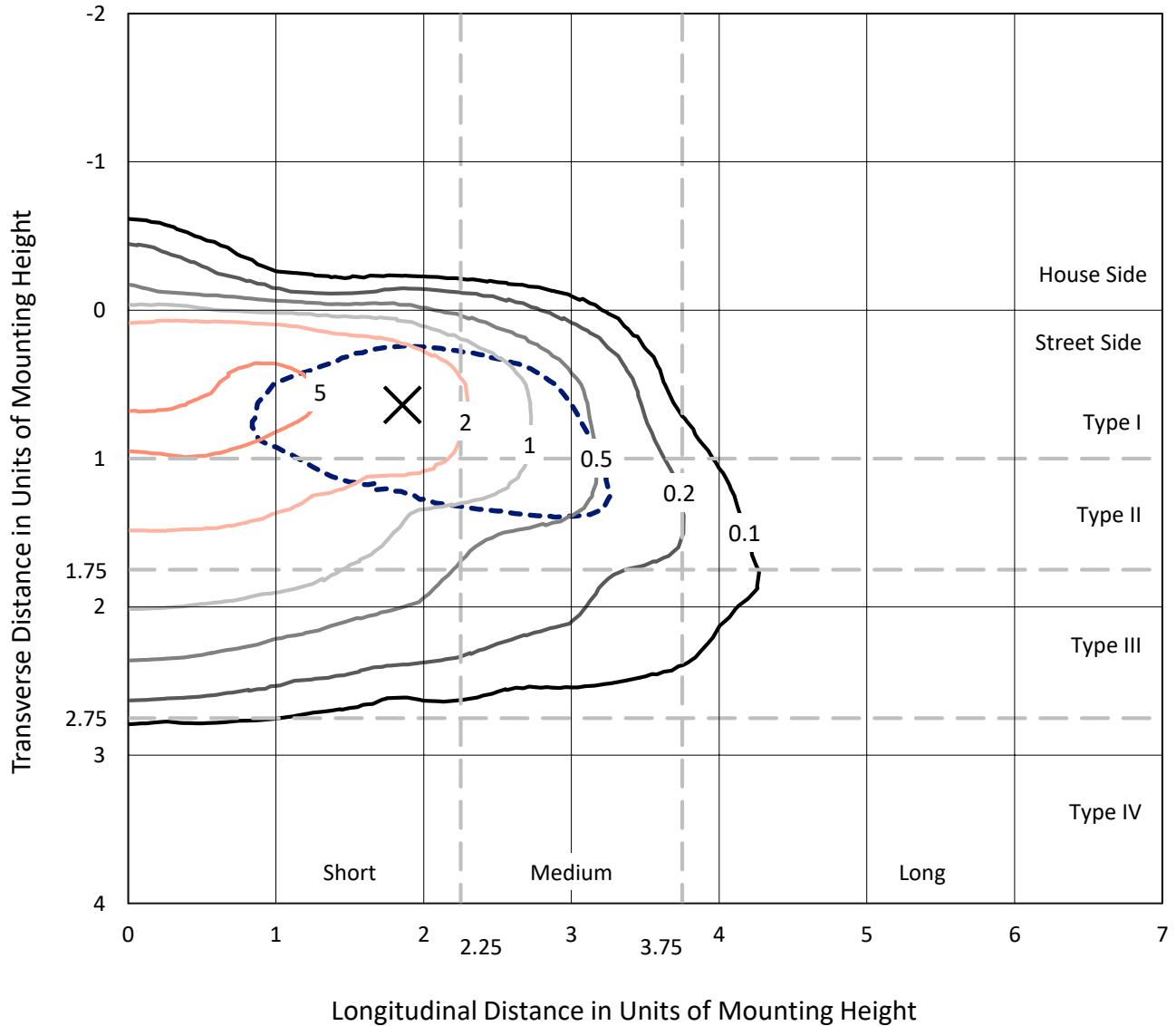
Input Watts (W): 234.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

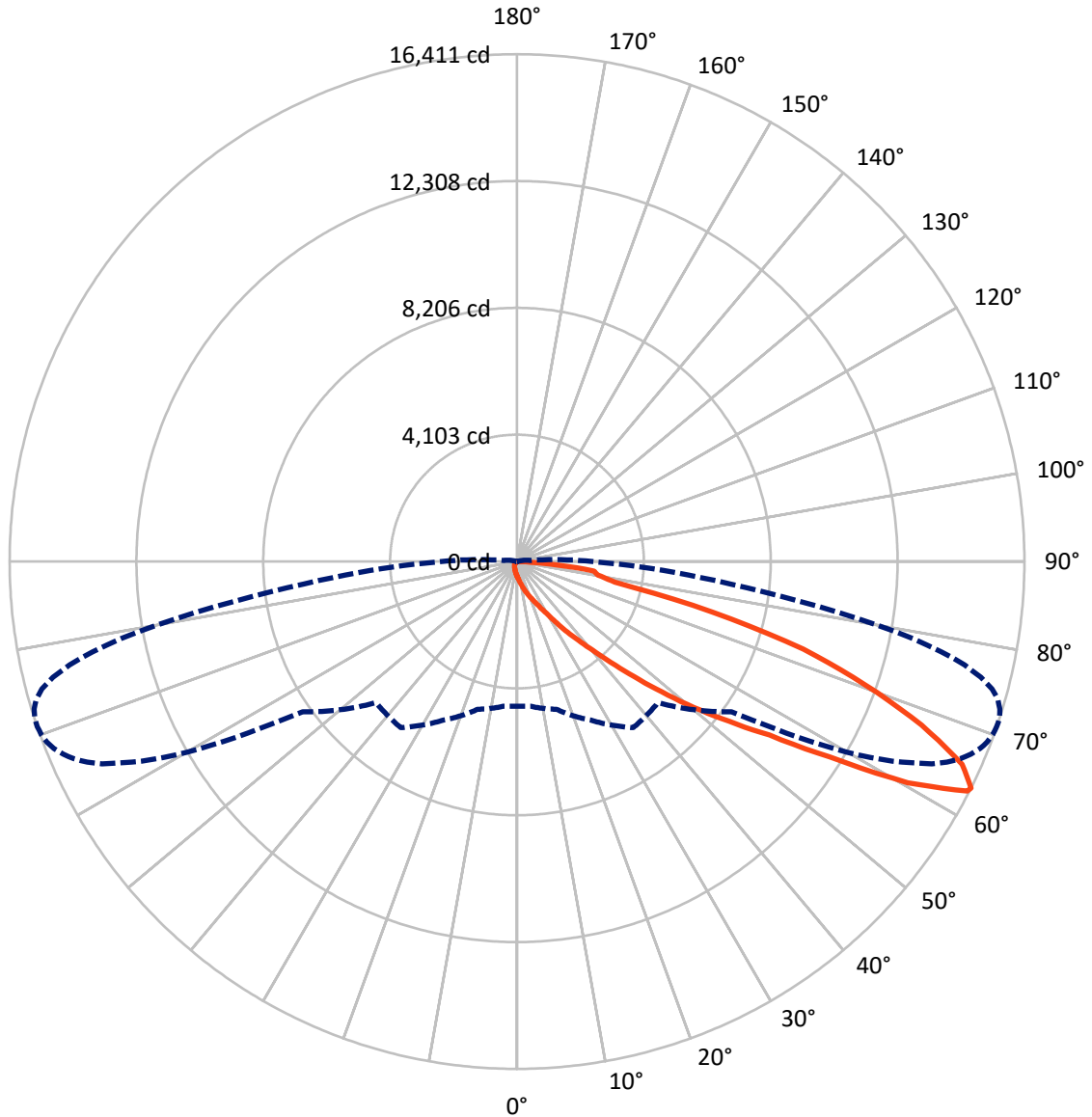


Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

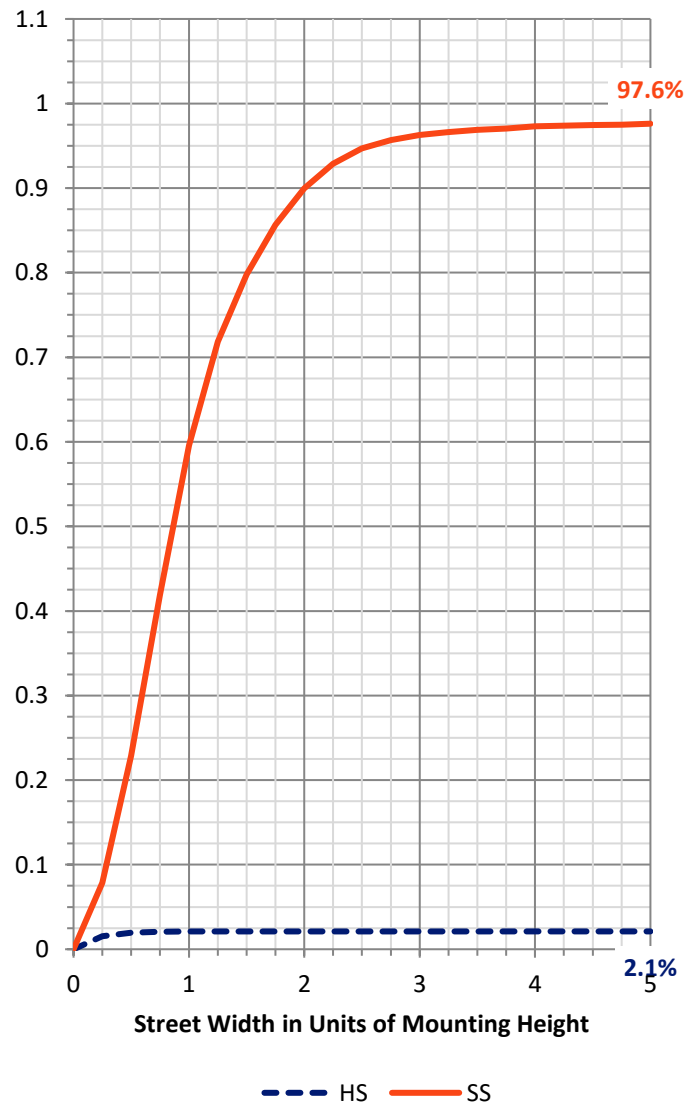
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	261.0	0.0	261.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	12032.8	0.0	12032.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	12293.9	0.0	12293.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	0.4
10°-20°	202.1	1.6
20°-30°	410.6	3.3
30°-40°	1003.1	8.2
40°-50°	2243.4	18.2
50°-60°	3154.5	25.7
60°-70°	3709.4	30.2
70°-80°	1339.4	10.9
80°-90°	179.1	1.5
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°	12293.9	100.0
0°-180°	12293.9	100.0



REPORT NUMBER: P164981

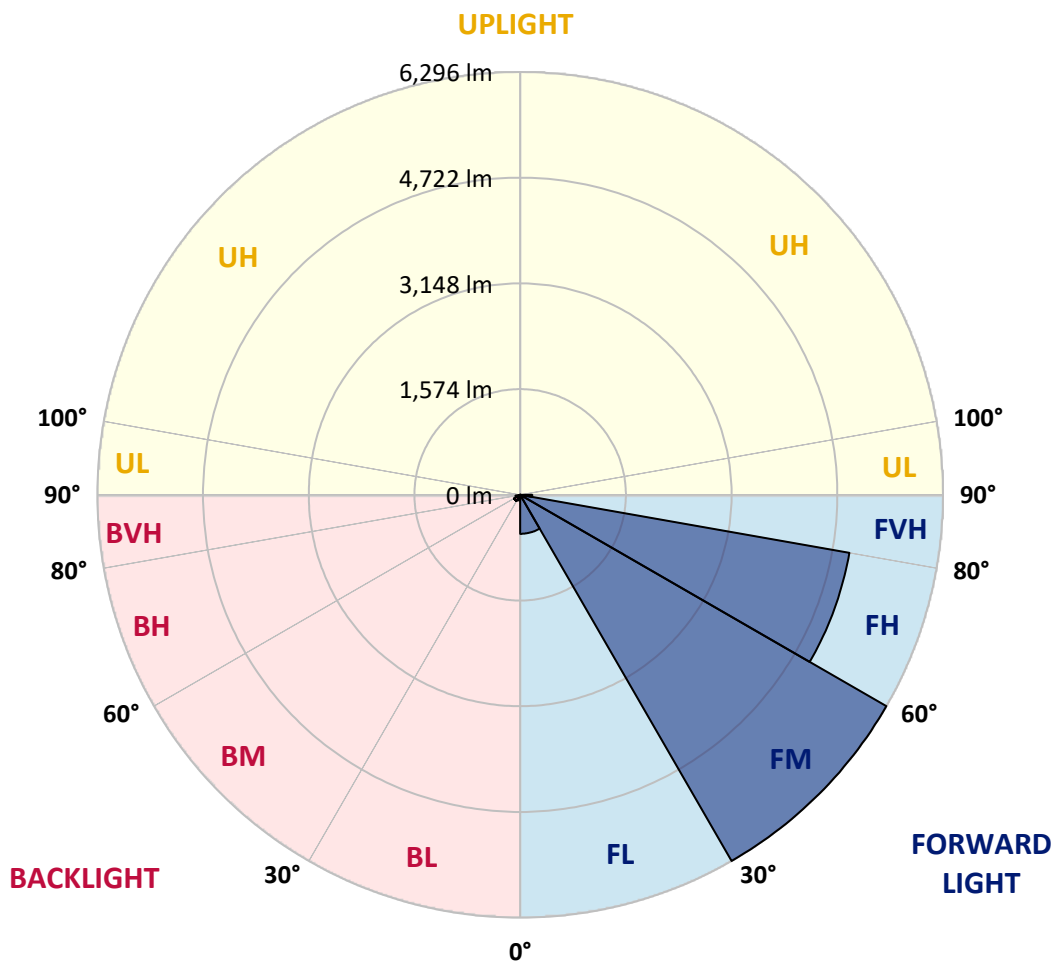
CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	580.9	4.7			
FM	(30°-60°)	6295.9	51.2			
FH	(60°-80°)	4977.3	40.5			G2/5000
FVH	(80°-90°)	178.7	1.5			G2/225
BL	(0°-30°)	83.9	0.7	B0/110		
BM	(30°-60°)	105.2	0.9	B0/220		
BH	(60°-80°)	71.6	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type II Short





REPORT NUMBER: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6
2.5°	616.8	623.5	619.0	607.9	594.4	576.7	560.9	560.9	558.8	552.0	554.3
5°	809.0	811.3	802.4	775.5	750.9	712.9	670.5	666.0	661.5	654.8	652.7
7.5°	996.9	1005.7	996.9	967.7	918.5	860.5	793.4	786.8	773.3	773.3	764.4
10°	1189.0	1189.0	1180.1	1146.6	1101.8	1019.1	934.2	923.0	907.4	902.9	889.5
12.5°	1325.3	1325.3	1320.8	1303.0	1267.2	1193.5	1090.6	1079.5	1059.4	1052.6	1037.0
15°	1378.9	1378.9	1381.2	1396.8	1399.1	1365.6	1258.2	1249.3	1229.2	1211.3	1204.6
17.5°	1412.4	1410.3	1410.3	1432.6	1472.8	1495.2	1425.9	1416.9	1394.6	1385.7	1363.3
20°	1486.3	1481.8	1468.3	1468.3	1506.3	1584.5	1584.5	1582.3	1557.8	1551.0	1539.9
22.5°	1595.8	1591.3	1551.0	1517.5	1535.4	1633.8	1725.4	1720.9	1712.0	1703.0	1696.3
25°	1774.5	1758.9	1689.6	1591.3	1575.7	1680.7	1832.6	1843.9	1850.5	1850.5	1855.0
27.5°	2045.0	2024.9	1902.0	1718.7	1649.4	1756.6	1951.1	1973.5	1993.6	1998.1	2018.1
30°	2420.4	2384.7	2208.1	1940.0	1781.3	1868.4	2125.5	2150.1	2179.1	2188.1	2219.3
32.5°	3037.3	3017.2	2847.4	2445.0	2105.3	2087.5	2369.1	2400.3	2438.3	2453.9	2491.9
35°	3976.0	3980.5	3841.9	3479.8	3010.5	2764.6	2804.9	2831.6	2845.1	2892.0	2912.1
37.5°	4612.9	4624.1	4655.4	4512.4	4177.2	3926.8	3611.6	3640.8	3571.4	3578.1	3580.4
40°	4961.6	4997.3	5180.7	5319.2	5292.4	5147.1	4894.6	4910.2	4780.6	4751.5	4610.6
42.5°	5194.0	5240.9	5533.8	5962.8	6181.9	6313.8	6255.7	6248.9	6148.3	6110.3	5991.9
45°	5339.3	5381.8	5750.5	6383.0	6888.1	7272.5	7431.1	7449.1	7364.1	7326.1	7227.8
47.5°	5332.5	5381.8	5777.3	6539.5	7283.8	7898.3	8345.4	8367.6	8419.0	8385.5	8392.2
50°	5037.6	5084.6	5482.4	6273.5	7167.4	8184.4	9002.4	9073.9	9156.5	9212.5	9239.3
52.5°	4680.0	4713.5	5066.7	5817.6	6671.3	8065.9	9391.2	9514.2	9637.1	9742.2	9815.9
55°	4548.1	4586.1	4863.2	5486.8	6273.5	7569.7	9572.2	9753.3	9927.7	10099.8	10240.5
57.5°	4617.4	4653.1	4852.1	5330.4	6036.6	7046.8	9623.7	9905.3	10191.4	10470.7	10747.8
60°	4872.2	4910.2	5080.1	5475.6	5974.1	6745.1	9422.6	9889.7	10365.7	10852.9	11311.1
62.5°	4771.6	4787.2	5037.6	5730.5	6421.0	6488.0	8691.7	9344.4	10070.7	10821.7	11561.3
63°	4675.5	4693.4	4948.2	5661.1	6557.4	6450.0	8466.0	9154.4	9920.9	10729.9	11534.6
65°	4239.7	4241.9	4436.4	4999.6	6405.4	6517.1	7460.3	8117.3	8997.9	9967.9	10984.8
67.5°	3164.7	3149.1	3336.8	3765.9	5028.7	6519.4	6403.1	6772.0	7384.3	8244.8	9156.5
70°	1122.0	1097.4	1401.3	1995.7	3133.3	5332.5	5502.4	5527.0	5696.9	6161.8	6734.0
72.5°	364.3	371.1	446.9	730.8	1443.8	3589.4	4981.7	4905.7	4861.0	4858.7	4934.7
75°	145.2	147.5	178.7	324.1	648.2	1729.9	4362.7	4405.0	4420.8	4443.0	4467.7
77.5°	69.2	76.0	100.6	181.0	321.8	856.0	3122.2	3482.0	3687.6	3846.4	3942.5
80°	24.6	29.0	55.9	111.7	149.7	393.3	1644.9	1984.6	2286.3	2675.3	3010.5
82.5°	0.0	0.0	11.1	78.2	82.7	158.7	674.9	791.1	905.1	1173.3	1506.3
85°	0.0	0.0	0.0	22.4	24.6	26.9	228.0	275.0	308.5	359.8	415.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.7	13.4	33.5	51.4
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: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6
2.5°	549.8	547.6	547.6	543.1	540.8	536.4	534.2	527.4	525.2	525.2	525.2
5°	650.4	641.4	636.9	625.8	619.0	616.8	605.7	601.2	594.4	596.8	585.5
7.5°	762.1	746.5	739.8	724.1	719.7	704.0	699.5	688.4	681.7	668.3	663.8
10°	885.0	864.9	853.8	829.1	822.5	811.3	797.9	784.5	773.3	759.9	753.2
12.5°	1025.9	1008.0	999.0	965.5	949.9	934.2	916.4	898.5	880.5	869.4	853.8
15°	1191.2	1162.2	1153.2	1122.0	1095.1	1075.0	1050.5	1028.1	1014.6	992.4	976.6
17.5°	1354.3	1325.3	1318.6	1271.7	1242.6	1229.2	1202.5	1173.3	1148.7	1126.5	1101.8
20°	1517.5	1497.4	1479.5	1434.8	1403.6	1381.2	1345.4	1316.3	1296.3	1265.0	1233.7
22.5°	1680.7	1660.5	1647.2	1600.3	1571.2	1539.9	1508.7	1477.3	1448.3	1410.3	1374.6
25°	1848.4	1834.9	1828.1	1785.8	1758.9	1729.9	1698.5	1662.8	1627.0	1584.5	1546.7
27.5°	2022.6	2027.1	2013.7	2004.7	1975.7	1955.6	1906.4	1881.9	1855.0	1803.6	1756.6
30°	2243.8	2257.3	2252.8	2259.6	2241.7	2228.2	2190.2	2159.0	2127.7	2078.5	2024.9
32.5°	2523.3	2541.2	2550.0	2574.7	2565.8	2561.3	2550.0	2505.4	2483.0	2398.2	2375.8
35°	2954.6	2945.6	2983.6	3003.7	2994.8	2990.4	2977.0	2952.4	2925.6	2865.2	2809.4
37.5°	3515.5	3524.5	3537.9	3497.7	3470.9	3468.7	3428.4	3403.8	3365.8	3298.8	3231.7
40°	4543.6	4487.8	4425.2	4255.3	4181.6	4139.2	4020.7	3987.1	3922.3	3830.7	3761.4
42.5°	5880.2	5824.2	5636.5	5352.8	5200.7	4990.7	4894.6	4776.1	4684.5	4534.8	4454.3
45°	7207.8	7046.8	7024.4	6693.7	6506.0	6228.8	6056.7	5857.8	5650.0	5453.3	5310.3
47.5°	8327.4	8291.6	8182.2	7980.9	7806.7	7574.2	7353.0	7046.8	6832.2	6552.9	6295.9
50°	9223.6	9221.4	9181.1	9064.9	8919.7	8732.0	8537.5	8278.3	8034.7	7692.7	7417.8
52.5°	9894.2	9929.9	9943.3	9907.5	9851.7	9686.3	9588.0	9371.1	9165.5	8874.9	8577.7
55°	10385.7	10517.7	10584.7	10660.7	10645.1	10587.0	10582.5	10441.7	10347.9	10117.6	9907.5
57.5°	10993.8	11210.5	11418.3	11787.2	11800.5	11930.2	11997.3	12064.3	12082.1	11990.5	11921.3
60°	11767.0	12209.5	12602.9	13374.0	13575.1	13892.5	14098.1	14321.6	14511.5	14527.2	14522.7
62.5°	12312.3	12994.0	13628.7	14773.0	15164.1	15530.7	15805.5	16022.4	16154.2	16288.3	16350.9
63°	12328.0	13074.5	13749.4	14929.5	15340.7	15689.4	15950.9	16152.0	16290.6	16370.9	16411.3
65°	11950.3	12855.4	13660.0	14835.6	15222.2	15573.2	15709.5	15841.4	15908.4	15939.6	15821.2
67.5°	10128.8	11013.9	11952.5	13266.7	13597.4	14017.6	14129.4	14196.5	14227.7	14221.0	14120.5
70°	7574.2	8316.3	9360.0	10861.8	11299.9	11711.2	11965.9	12075.4	12111.1	12100.0	11950.3
72.5°	5287.9	5723.7	6584.1	8255.9	8852.7	9380.1	9695.2	9858.3	9891.9	9824.8	9686.3
75°	4440.9	4463.2	4657.6	5571.7	6130.4	6693.7	7049.0	7151.8	7084.8	6881.4	6528.3
77.5°	3964.8	4014.0	4014.0	4150.3	4259.8	4416.3	4449.8	4199.4	3909.0	3533.4	3229.6
80°	3325.7	3497.7	3618.4	3719.0	3730.1	3698.9	3616.1	3475.4	3251.8	2965.7	2648.4
82.5°	2020.4	2360.2	2498.7	3017.2	3271.9	3444.0	3430.7	3242.9	3073.1	2775.9	2505.4
85°	509.6	549.8	596.8	775.5	869.4	1061.6	1182.2	1238.2	1258.2	1155.5	1046.0
87.5°	49.1	33.5	55.9	42.5	60.4	44.7	60.4	55.9	69.2	73.7	80.5
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: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6
2.5°	520.8	518.4	516.3	514.1	511.8	509.6	505.1	505.1	500.7	498.4	496.2
5°	578.8	574.4	572.2	567.7	560.9	556.4	549.8	540.8	534.2	531.9	527.4
7.5°	652.7	641.4	636.9	630.3	621.3	607.9	598.9	592.3	581.1	574.4	560.9
10°	735.3	724.1	710.8	697.3	683.9	668.3	657.0	648.2	630.3	621.3	605.7
12.5°	840.4	820.3	804.5	786.8	768.8	750.9	737.5	710.8	695.0	674.9	661.5
15°	947.6	929.7	911.9	889.5	862.6	833.6	820.3	795.6	775.5	744.3	726.4
17.5°	1077.2	1043.7	1016.9	990.1	965.5	938.6	911.9	873.9	844.8	818.0	782.3
20°	1204.6	1164.5	1135.3	1099.6	1063.9	1021.4	990.1	963.2	923.0	887.3	849.3
22.5°	1340.9	1300.7	1253.8	1218.1	1168.9	1135.3	1092.9	1048.2	1008.0	961.0	914.1
25°	1506.3	1463.9	1410.3	1363.3	1307.4	1260.6	1209.1	1157.7	1108.6	1054.9	994.5
27.5°	1709.8	1665.0	1606.9	1551.0	1477.3	1419.2	1370.1	1300.7	1238.2	1171.1	1101.8
30°	1966.7	1917.6	1846.0	1765.6	1691.9	1627.0	1557.8	1466.2	1396.8	1316.3	1227.0
32.5°	2302.1	2243.8	2147.8	2071.7	1980.1	1895.2	1799.1	1707.5	1609.2	1504.2	1401.3
35°	2724.4	2670.8	2559.0	2447.3	2346.7	2246.1	2125.5	2020.4	1881.9	1754.4	1622.5
37.5°	3162.5	3066.3	2963.6	2842.9	2717.6	2597.0	2449.5	2304.2	2145.6	2007.0	1841.6
40°	3663.1	3546.9	3461.9	3332.3	3155.7	2983.6	2847.4	2666.3	2467.4	2281.8	2087.5
42.5°	4349.2	4219.6	4067.6	3871.0	3743.5	3542.4	3365.8	3151.3	2889.7	2681.9	2447.3
45°	5142.7	4966.1	4818.6	4628.6	4474.4	4224.1	4018.5	3732.4	3470.9	3198.2	2912.1
47.5°	6047.8	5828.7	5614.1	5426.4	5180.7	4934.7	4673.3	4369.3	4034.1	3734.6	3394.9
50°	7087.0	6776.3	6479.1	6237.8	5900.2	5616.5	5332.5	4990.7	4619.6	4275.4	3888.8
52.5°	8242.5	7882.7	7489.4	7118.3	6727.2	6362.9	6020.9	5627.6	5214.2	4794.0	4362.7
55°	9637.1	9366.6	8904.1	8432.5	7909.4	7422.3	6981.9	6494.8	5991.9	5439.9	4986.2
57.5°	11820.7	11688.8	11302.1	10830.6	10148.9	9556.6	8810.2	8213.4	7484.9	6725.0	6139.4
60°	14779.8	14616.5	14399.8	14017.6	13476.7	12672.2	11849.7	10922.2	9813.7	8761.1	7762.0
62.5°	16357.6	16299.4	16123.0	15859.2	15354.1	14719.4	13890.3	12871.0	11619.6	10341.1	9067.2
63°	16404.5	16330.8	16178.8	15910.6	15465.8	14851.3	14037.7	13047.6	11822.9	10520.0	9219.1
65°	15769.8	15740.8	15586.5	15293.7	14989.9	14520.4	13890.3	13038.6	12010.6	10779.2	9485.1
67.5°	13986.4	13899.1	13662.3	13572.8	13360.6	13034.2	12553.7	11968.1	11232.9	10265.1	9147.6
70°	11829.5	11699.9	11402.7	11244.0	10984.8	10779.2	10486.5	10068.4	9614.7	8939.8	8106.2
72.5°	9543.2	9275.0	9002.4	8589.0	8226.9	7860.3	7536.2	7241.3	6742.8	6470.1	5837.7
75°	6197.5	5710.2	5243.2	4617.4	4054.2	3555.8	3070.8	2825.0	2313.2	2105.3	1808.0
77.5°	2941.2	2668.5	2302.1	2018.1	1656.0	1352.2	1104.1	829.1	650.4	509.6	388.8
80°	2373.5	2143.3	1922.0	1665.0	1392.3	1110.7	851.5	636.9	451.4	312.8	221.2
82.5°	2116.5	1866.1	1593.5	1416.9	1231.5	1008.0	826.9	674.9	498.4	364.3	248.1
85°	822.5	692.8	534.2	435.8	339.7	279.3	252.6	174.3	136.4	107.2	82.7
87.5°	71.5	58.1	47.0	31.4	33.5	17.9	20.1	13.4	11.1	11.1	9.0
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: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6	471.6
2.5°	493.9	491.7	489.4	484.9	484.9	480.6	478.3	476.1	464.8	440.3	420.2
5°	518.4	514.1	509.6	502.8	498.4	491.7	487.2	480.6	455.9	409.1	368.7
7.5°	554.3	545.3	538.7	525.2	518.4	509.6	502.8	491.7	451.4	379.9	324.1
10°	596.8	581.1	569.9	554.3	540.8	529.7	518.4	502.8	446.9	348.7	283.8
12.5°	648.2	630.3	607.9	590.0	572.2	556.4	540.8	520.8	440.3	321.8	252.6
15°	699.5	672.8	657.0	632.4	607.9	585.5	563.2	545.3	442.6	292.7	225.7
17.5°	757.6	730.8	697.3	670.5	643.7	614.7	587.8	552.0	431.3	270.5	205.6
20°	813.5	775.5	744.3	710.8	672.8	636.9	603.4	572.2	422.4	248.1	187.7
22.5°	873.9	829.1	788.9	746.5	699.5	659.3	619.0	578.8	406.7	228.0	172.1
25°	947.6	896.2	838.1	786.8	737.5	688.4	636.9	587.8	391.1	210.1	161.0
27.5°	1037.0	970.0	911.9	847.0	777.8	715.2	659.3	605.7	375.5	196.7	149.7
30°	1151.0	1072.7	990.1	907.4	833.6	762.1	683.9	616.8	359.8	183.2	138.6
32.5°	1303.0	1204.6	1104.1	1008.0	909.6	818.0	735.3	648.2	350.8	172.1	127.4
35°	1504.2	1376.7	1253.8	1133.1	1014.6	902.9	795.6	697.3	350.8	158.7	114.0
37.5°	1694.0	1546.7	1390.2	1240.3	1099.6	970.0	842.5	724.1	333.1	147.5	102.9
40°	1899.7	1723.1	1539.9	1363.3	1193.5	1032.5	887.3	750.9	317.3	134.1	91.6
42.5°	2214.8	1991.4	1752.3	1546.7	1343.2	1144.2	963.2	802.4	297.2	120.7	80.5
45°	2628.3	2344.4	2062.9	1812.5	1553.3	1309.7	1095.1	896.2	292.7	109.5	69.2
47.5°	3070.8	2735.5	2404.8	2085.2	1781.3	1497.4	1240.3	1001.2	292.7	98.4	60.4
50°	3511.0	3091.0	2737.9	2366.8	2024.9	1689.6	1383.4	1110.7	295.1	89.4	49.1
52.5°	3909.0	3459.7	3064.1	2635.0	2257.3	1868.4	1535.4	1218.1	290.6	78.2	40.2
55°	4460.9	3933.5	3475.4	3001.6	2559.0	2121.0	1743.3	1378.9	292.7	69.2	33.5
57.5°	5477.9	4858.7	4306.8	3685.4	3175.8	2610.4	2152.2	1709.8	319.6	58.1	24.6
60°	6937.3	6132.7	5357.2	4599.5	3951.5	3278.7	2684.1	2163.5	375.5	47.0	17.9
62.5°	7918.4	6865.7	5940.5	5104.7	4351.4	3647.4	2999.3	2407.0	413.4	38.0	11.1
63°	8018.9	6930.6	6000.8	5138.2	4369.3	3665.4	3012.7	2424.9	415.7	35.7	11.1
65°	8209.0	7042.3	6034.3	5144.8	4351.4	3640.8	3003.7	2422.7	420.2	29.0	9.0
67.5°	7992.2	6870.2	5840.0	4952.7	4194.9	3495.4	2892.0	2333.3	417.9	20.1	6.7
70°	7147.4	6217.7	5312.4	4485.5	3797.1	3164.7	2632.8	2127.7	384.4	13.4	4.5
72.5°	5247.7	4615.1	3913.5	3316.7	2860.7	2375.8	2027.1	1598.0	297.2	9.0	2.2
75°	1555.5	1416.9	1191.2	1050.5	927.5	766.5	681.7	531.9	152.0	4.5	0.0
77.5°	310.7	281.6	252.6	230.2	216.7	185.5	176.6	145.2	62.6	2.2	0.0
80°	163.1	134.1	114.0	100.6	87.1	71.5	60.4	49.1	11.1	0.0	0.0
82.5°	156.5	105.0	76.0	62.6	53.6	42.5	33.5	24.6	6.7	0.0	0.0
85°	58.1	44.7	33.5	26.9	22.4	20.1	15.6	13.4	0.0	0.0	0.0
87.5°	9.0	6.7	6.7	4.5	4.5	2.2	2.2	2.2	0.0	0.0	0.0
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: P164981

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	471.6	471.6	471.6	471.6	471.6	471.6	471.6
2.5°	400.1	382.2	373.2	362.1	362.1	359.8	364.3
5°	333.1	308.5	290.6	277.1	279.3	272.7	275.0
7.5°	281.6	257.1	241.3	232.5	230.2	228.0	228.0
10°	243.6	221.2	207.8	201.1	199.0	199.0	199.0
12.5°	216.7	194.5	183.2	178.7	178.7	176.6	176.6
15°	194.5	176.6	165.4	161.0	161.0	158.7	161.0
17.5°	176.6	158.7	149.7	145.2	145.2	143.0	143.0
20°	161.0	145.2	136.4	129.6	129.6	127.4	129.6
22.5°	147.5	131.9	120.7	116.2	114.0	111.7	114.0
25°	134.1	118.5	107.2	100.6	98.4	98.4	96.1
27.5°	123.0	107.2	93.9	87.1	85.0	85.0	82.7
30°	111.7	93.9	80.5	73.7	71.5	71.5	71.5
32.5°	100.6	80.5	69.2	62.6	60.4	60.4	60.4
35°	89.4	69.2	58.1	51.4	49.1	49.1	49.1
37.5°	76.0	58.1	44.7	40.2	38.0	35.7	35.7
40°	64.9	44.7	33.5	29.0	24.6	24.6	24.6
42.5°	53.6	35.7	24.6	17.9	15.6	13.4	15.6
45°	44.7	26.9	15.6	9.0	6.7	6.7	6.7
47.5°	35.7	17.9	6.7	2.2	2.2	2.2	2.2
50°	26.9	11.1	2.2	0.0	0.0	2.2	2.2
52.5°	20.1	6.7	0.0	0.0	0.0	0.0	0.0
55°	11.1	2.2	0.0	0.0	0.0	0.0	0.0
57.5°	6.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.2	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)