

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: P164980

Luminaire Tested: **VTS-F09-LED-E1-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164980
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-8030
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, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11360.2 lumens
Efficiency: N/A
Efficacy: 48.4 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

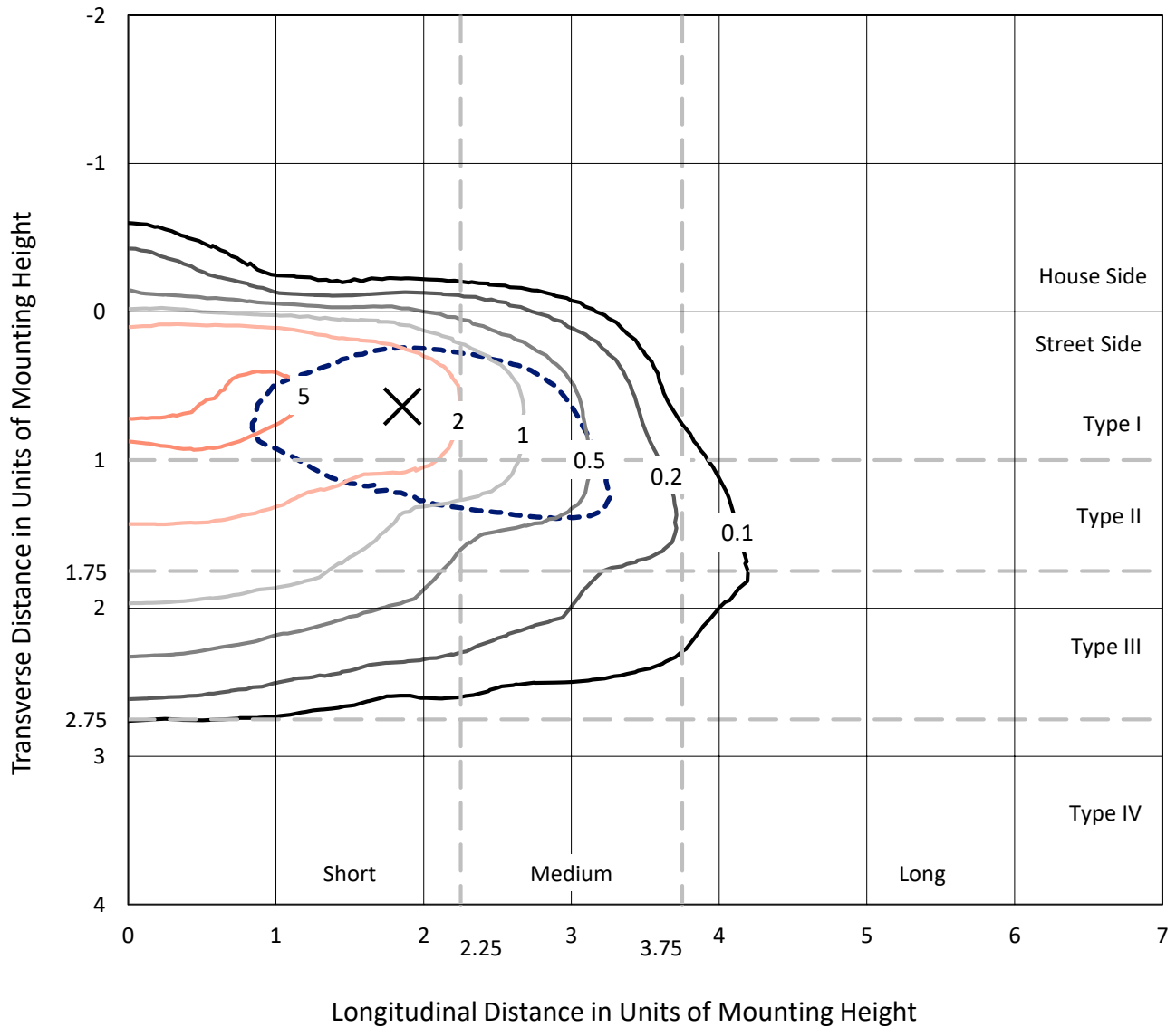
Input Watts (W): 234.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

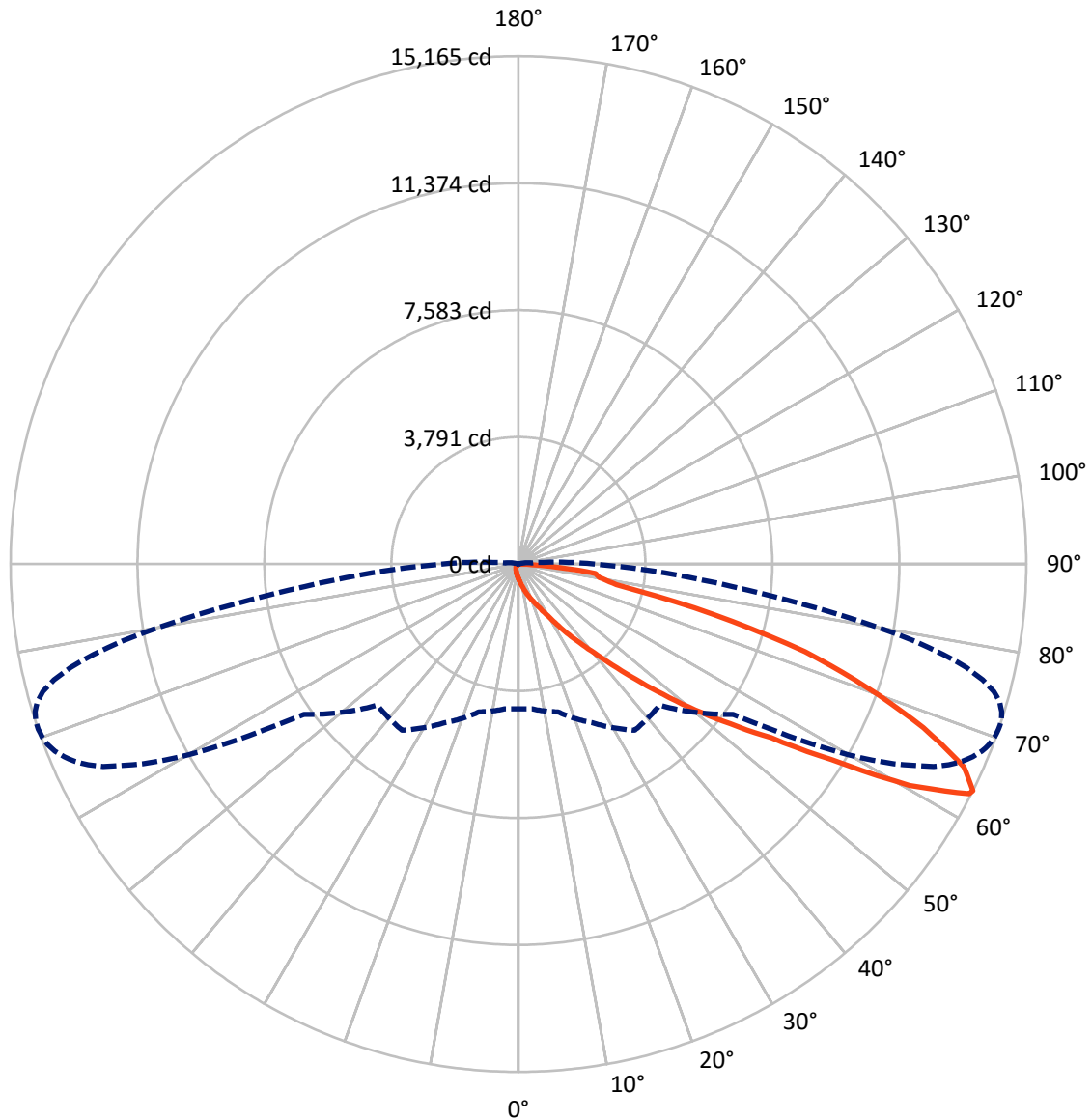


Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

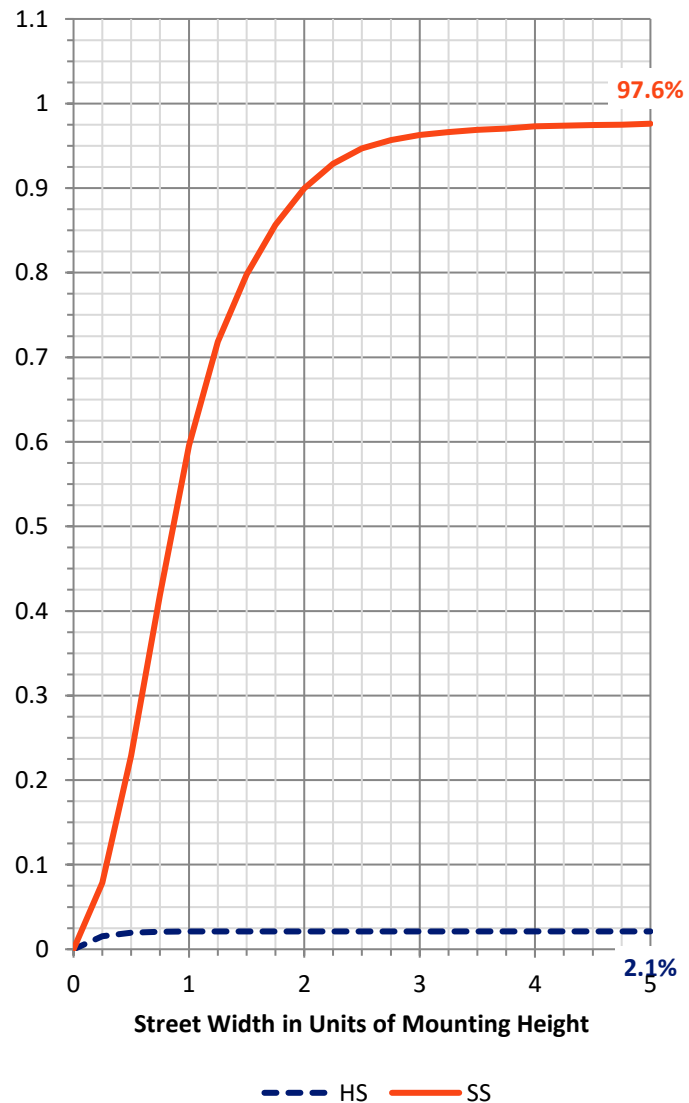
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.2	0.0	241.2
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	11119.1	0.0	11119.1
	% Fixture	97.9	0.0	97.9
Total	Lumens	11360.2	0.0	11360.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	0.4
10°-20°	186.8	1.6
20°-30°	379.4	3.3
30°-40°	927.0	8.2
40°-50°	2073.0	18.2
50°-60°	2914.9	25.7
60°-70°	3427.7	30.2
70°-80°	1237.7	10.9
80°-90°	165.5	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°	11360.2	100.0
0°-180°	11360.2	100.0



REPORT NUMBER: P164980

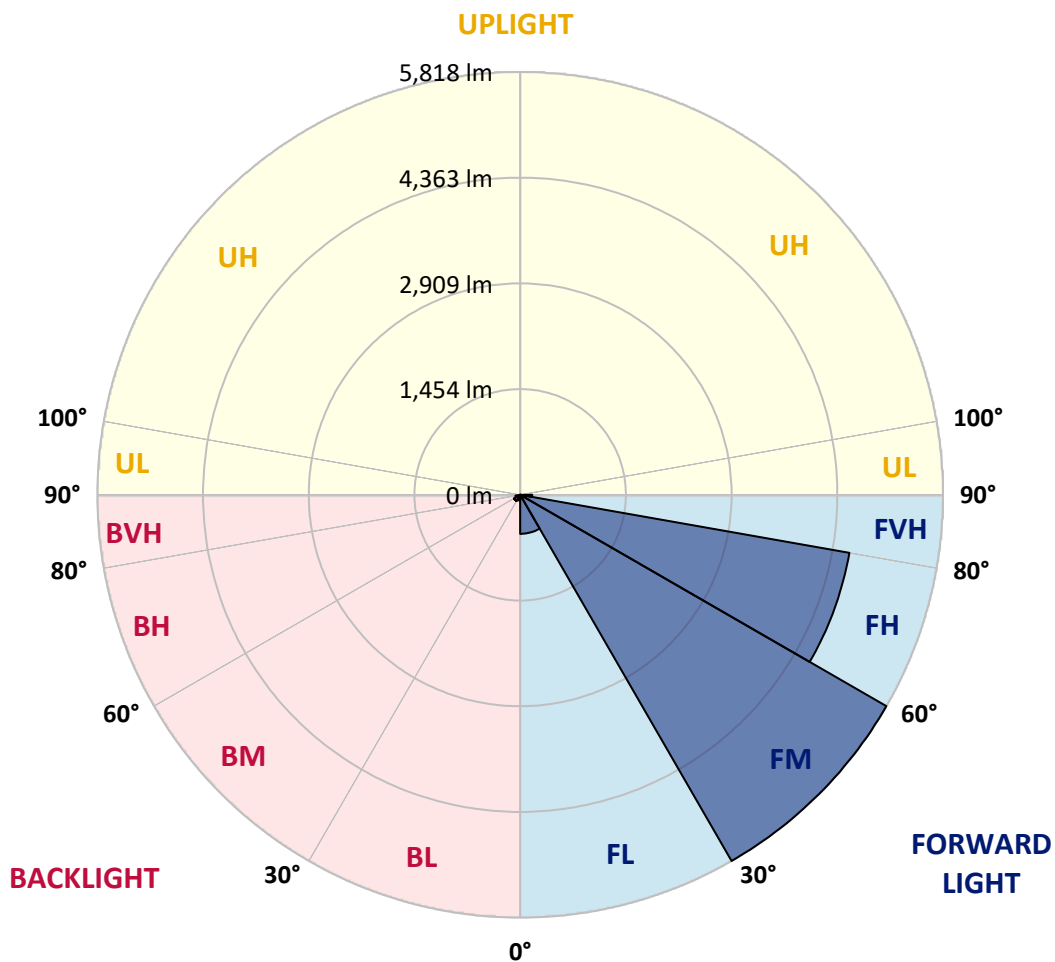
CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.8	4.7			
FM (30°-60°)	5817.8	51.2			
FH (60°-80°)	4599.3	40.5			G2/5000
FVH (80°-90°)	165.2	1.5			G2/225
BL (0°-30°)	77.5	0.7	B0/110		
BM (30°-60°)	97.2	0.9	B0/220		
BH (60°-80°)	66.1	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: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8
2.5°	570.0	576.1	572.0	561.7	549.3	532.9	518.3	518.3	516.3	510.1	512.2
5°	747.6	749.7	741.4	716.6	693.9	658.8	619.5	615.4	611.3	605.1	603.1
7.5°	921.2	929.3	921.2	894.2	848.8	795.1	733.2	727.0	714.6	714.6	706.3
10°	1098.7	1098.7	1090.5	1059.5	1018.1	941.7	863.2	852.9	838.5	834.4	822.0
12.5°	1224.7	1224.7	1220.5	1204.1	1171.0	1102.9	1007.8	997.5	979.0	972.7	958.3
15°	1274.2	1274.2	1276.3	1290.7	1292.9	1261.9	1162.7	1154.4	1135.9	1119.3	1113.2
17.5°	1305.2	1303.2	1303.2	1323.9	1361.0	1381.7	1317.6	1309.3	1288.7	1280.5	1259.8
20°	1373.4	1369.3	1356.8	1356.8	1392.0	1464.2	1464.2	1462.2	1439.5	1433.2	1422.9
22.5°	1474.6	1470.5	1433.2	1402.2	1418.8	1509.7	1594.4	1590.2	1582.0	1573.7	1567.5
25°	1639.8	1625.3	1561.3	1470.5	1456.0	1553.1	1693.4	1703.9	1710.0	1710.0	1714.1
27.5°	1889.7	1871.2	1757.5	1588.2	1524.1	1623.2	1802.9	1823.6	1842.2	1846.3	1864.9
30°	2236.6	2203.6	2040.5	1792.6	1646.0	1726.6	1964.1	1986.8	2013.6	2021.9	2050.7
32.5°	2806.6	2788.0	2631.2	2259.3	1945.4	1929.0	2189.2	2218.0	2253.2	2267.6	2302.7
35°	3674.1	3678.2	3550.2	3215.6	2781.9	2554.7	2591.9	2616.6	2629.0	2672.4	2691.0
37.5°	4262.6	4272.9	4301.9	4169.7	3859.9	3628.6	3337.3	3364.3	3300.2	3306.4	3308.5
40°	4584.8	4617.8	4787.2	4915.3	4890.5	4756.3	4522.9	4537.3	4417.5	4390.7	4260.5
42.5°	4799.5	4842.9	5113.6	5510.0	5712.4	5834.3	5780.6	5774.4	5681.4	5646.3	5536.8
45°	4933.8	4973.1	5313.8	5898.3	6365.1	6720.2	6866.8	6883.4	6804.9	6769.8	6679.0
47.5°	4927.6	4973.1	5338.6	6042.9	6730.6	7298.5	7711.6	7732.2	7779.7	7748.7	7754.9
50°	4655.1	4698.5	5066.0	5797.1	6623.2	7562.9	8318.7	8384.8	8461.2	8512.9	8537.7
52.5°	4324.6	4355.6	4681.9	5375.8	6164.6	7453.4	8678.0	8791.7	8905.3	9002.4	9070.5
55°	4202.7	4237.8	4493.9	5070.2	5797.1	6994.9	8845.3	9012.6	9173.8	9332.8	9462.9
57.5°	4266.8	4299.8	4483.6	4925.6	5578.2	6511.7	8892.9	9153.1	9417.5	9675.6	9931.7
60°	4502.2	4537.3	4694.3	5059.8	5520.4	6232.9	8707.0	9138.7	9578.5	10028.7	10452.1
62.5°	4409.2	4423.7	4655.1	5295.3	5933.4	5995.3	8031.7	8634.8	9306.0	9999.9	10683.4
63°	4320.5	4337.0	4572.4	5231.2	6059.4	5960.2	7823.1	8459.2	9167.5	9915.1	10658.7
65°	3917.8	3919.8	4099.5	4619.9	5919.0	6022.2	6893.8	7500.9	8314.6	9210.9	10150.6
67.5°	2924.4	2909.9	3083.4	3479.9	4646.8	6024.3	5916.8	6257.7	6823.6	7618.7	8461.2
70°	1036.8	1014.1	1294.9	1844.2	2895.4	4927.6	5084.6	5107.3	5264.3	5693.8	6222.6
72.5°	336.6	342.9	413.0	675.3	1334.1	3316.8	4603.4	4533.2	4491.9	4489.8	4560.0
75°	134.2	136.3	165.2	299.5	599.0	1598.5	4031.4	4070.5	4085.1	4105.6	4128.5
77.5°	64.0	70.2	92.9	167.3	297.4	791.0	2885.1	3217.6	3407.6	3554.3	3643.1
80°	22.7	26.8	51.7	103.2	138.3	363.4	1520.0	1833.9	2112.7	2472.1	2781.9
82.5°	0.0	0.0	10.3	72.2	76.4	146.6	623.7	731.0	836.4	1084.2	1392.0
85°	0.0	0.0	0.0	20.7	22.7	24.8	210.7	254.1	285.1	332.5	384.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.1	12.4	31.0	47.5
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: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8
2.5°	508.0	506.0	506.0	501.9	499.8	495.6	493.6	487.4	485.3	485.3	485.3
5°	601.0	592.7	588.6	578.3	572.0	570.0	559.7	555.6	549.3	551.4	541.0
7.5°	704.2	689.8	683.6	669.1	665.1	650.5	646.4	636.1	629.9	617.5	613.4
10°	817.8	799.3	789.0	766.1	760.0	749.7	737.3	724.9	714.6	702.2	696.0
12.5°	948.0	931.4	923.2	892.2	877.8	863.2	846.8	830.2	813.7	803.4	789.0
15°	1100.7	1073.9	1065.6	1036.8	1012.0	993.4	970.7	950.0	937.6	917.0	902.5
17.5°	1251.5	1224.7	1218.5	1175.1	1148.3	1135.9	1111.2	1084.2	1061.5	1040.9	1018.1
20°	1402.2	1383.7	1367.1	1325.9	1297.0	1276.3	1243.2	1216.4	1197.8	1169.0	1140.0
22.5°	1553.1	1534.4	1522.1	1478.7	1451.9	1422.9	1394.1	1365.1	1338.3	1303.2	1270.2
25°	1708.0	1695.6	1689.3	1650.2	1625.3	1598.5	1569.5	1536.6	1503.4	1464.2	1429.2
27.5°	1869.0	1873.2	1860.7	1852.5	1825.6	1807.1	1761.7	1739.0	1714.1	1666.6	1623.2
30°	2073.4	2085.9	2081.7	2088.0	2071.4	2059.0	2023.9	1995.1	1966.1	1920.7	1871.2
32.5°	2331.7	2348.2	2356.4	2379.2	2370.9	2366.8	2356.4	2315.1	2294.4	2216.0	2195.3
35°	2730.2	2722.0	2757.1	2775.6	2767.3	2763.3	2750.9	2728.2	2703.4	2647.6	2596.0
37.5°	3248.6	3256.8	3269.3	3232.1	3207.3	3205.3	3168.0	3145.3	3110.2	3048.3	2986.3
40°	4198.6	4147.0	4089.2	3932.2	3864.1	3824.8	3715.3	3684.4	3624.4	3539.8	3475.8
42.5°	5433.6	5381.9	5208.5	4946.3	4805.8	4611.7	4522.9	4413.4	4328.7	4190.4	4116.0
45°	6660.4	6511.7	6491.0	6185.3	6011.9	5755.8	5596.8	5412.9	5220.9	5039.2	4907.0
47.5°	7695.1	7661.9	7560.9	7374.9	7213.8	6999.0	6794.6	6511.7	6313.4	6055.3	5817.8
50°	8523.2	8521.1	8483.9	8376.5	8242.4	8068.9	7889.2	7649.7	7424.5	7108.5	6854.5
52.5°	9142.8	9175.8	9188.2	9155.1	9103.6	8950.7	8859.9	8659.5	8469.5	8201.0	7926.3
55°	9597.1	9719.0	9780.9	9851.1	9836.7	9783.0	9778.9	9648.7	9562.1	9349.2	9155.1
57.5°	10158.9	10359.2	10551.2	10892.1	10904.4	11024.3	11086.2	11148.2	11164.6	11079.9	11016.0
60°	10873.4	11282.4	11645.8	12358.4	12544.2	12837.5	13027.5	13234.0	13409.5	13424.0	13419.9
62.5°	11377.3	12007.2	12593.8	13651.1	14012.6	14351.3	14605.3	14805.7	14927.5	15051.4	15109.2
63°	11391.8	12081.6	12705.3	13795.7	14175.7	14497.9	14739.6	14925.5	15053.5	15127.7	15165.0
65°	11042.8	11879.2	12622.6	13709.0	14066.3	14390.6	14516.5	14638.4	14700.3	14729.2	14619.7
67.5°	9359.7	10177.5	11044.8	12259.2	12564.8	12953.1	13056.4	13118.4	13147.2	13141.1	13048.2
70°	6999.0	7684.8	8649.2	10037.0	10441.8	10821.8	11057.2	11158.4	11191.4	11181.1	11042.8
72.5°	4886.3	5289.0	6084.1	7629.0	8180.4	8667.8	8959.0	9109.7	9140.7	9078.7	8950.7
75°	4103.6	4124.3	4303.9	5148.6	5664.9	6185.3	6513.7	6608.7	6546.8	6358.8	6032.6
77.5°	3663.7	3709.2	3709.2	3835.1	3936.3	4080.9	4111.9	3880.5	3612.1	3265.1	2984.3
80°	3073.1	3232.1	3343.6	3436.6	3446.8	3418.0	3341.5	3211.4	3004.9	2740.5	2447.3
82.5°	1867.0	2180.9	2309.0	2788.0	3023.4	3182.5	3170.2	2996.6	2839.7	2565.1	2315.1
85°	470.9	508.0	551.4	716.6	803.4	981.0	1092.5	1144.1	1162.7	1067.8	966.6
87.5°	45.4	31.0	51.7	39.3	55.8	41.3	55.8	51.7	64.0	68.1	74.4
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: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8
2.5°	481.2	479.1	477.1	475.1	472.9	470.9	466.8	466.8	462.6	460.5	458.5
5°	534.9	530.7	528.7	524.6	518.3	514.2	508.0	499.8	493.6	491.5	487.4
7.5°	603.1	592.7	588.6	582.4	574.1	561.7	553.4	547.3	537.0	530.7	518.3
10°	679.5	669.1	656.8	644.4	632.0	617.5	607.1	599.0	582.4	574.1	559.7
12.5°	776.6	758.0	743.4	727.0	710.5	693.9	681.5	656.8	642.2	623.7	611.3
15°	875.6	859.1	842.6	822.0	797.1	770.3	758.0	735.2	716.6	687.8	671.2
17.5°	995.4	964.4	939.7	914.9	892.2	867.4	842.6	807.5	780.7	755.9	722.9
20°	1113.2	1076.0	1049.1	1016.1	983.1	943.9	914.9	890.1	852.9	819.9	784.8
22.5°	1239.1	1202.0	1158.6	1125.6	1080.2	1049.1	1009.9	968.6	931.4	888.0	844.7
25°	1392.0	1352.7	1303.2	1259.8	1208.1	1164.8	1117.3	1069.8	1024.4	974.8	919.0
27.5°	1579.9	1538.6	1484.9	1433.2	1365.1	1311.4	1266.0	1202.0	1144.1	1082.2	1018.1
30°	1817.4	1772.0	1705.9	1631.5	1563.4	1503.4	1439.5	1354.8	1290.7	1216.4	1133.9
32.5°	2127.2	2073.4	1984.7	1914.4	1829.8	1751.3	1662.5	1577.8	1487.0	1389.9	1294.9
35°	2517.5	2468.0	2364.7	2261.4	2168.5	2075.6	1964.1	1867.0	1739.0	1621.2	1499.3
37.5°	2922.4	2833.4	2738.5	2627.0	2511.3	2399.8	2263.4	2129.3	1982.6	1854.6	1701.7
40°	3384.9	3277.5	3199.0	3079.3	2916.1	2757.1	2631.2	2463.9	2280.0	2108.6	1929.0
42.5°	4019.0	3899.2	3758.7	3577.0	3459.3	3273.4	3110.2	2912.0	2670.3	2478.3	2261.4
45°	4752.1	4589.0	4452.6	4277.1	4134.6	3903.3	3713.3	3449.0	3207.3	2955.3	2691.0
47.5°	5588.5	5386.1	5187.8	5014.4	4787.2	4560.0	4318.5	4037.5	3727.8	3451.0	3137.1
50°	6548.8	6261.7	5987.1	5764.1	5452.2	5189.9	4927.6	4611.7	4268.8	3950.7	3593.4
52.5°	7616.5	7284.1	6920.6	6577.8	6216.3	5879.7	5563.7	5200.2	4818.2	4429.9	4031.4
55°	8905.3	8655.3	8227.9	7792.1	7308.8	6858.7	6451.7	6001.6	5536.8	5026.8	4607.5
57.5°	10923.0	10801.1	10443.8	10008.2	9378.2	8830.9	8141.1	7589.7	6916.5	6214.3	5673.2
60°	13657.4	13506.5	13306.3	12953.1	12453.3	11709.9	10949.9	10092.8	9068.4	8095.7	7172.6
62.5°	15115.5	15061.7	14898.6	14654.8	14188.2	13601.6	12835.5	11893.6	10737.2	9555.8	8378.7
63°	15158.7	15090.6	14950.2	14702.3	14291.4	13723.5	12971.7	12056.8	10925.1	9721.1	8519.0
65°	14572.3	14545.5	14402.9	14132.3	13851.5	13417.7	12835.5	12048.5	11098.5	9960.6	8764.8
67.5°	12924.2	12843.6	12624.8	12542.1	12346.0	12044.4	11600.4	11059.2	10379.9	9485.6	8452.9
70°	10931.2	10811.4	10536.8	10390.2	10150.6	9960.6	9690.1	9303.8	8884.6	8260.9	7490.6
72.5°	8818.5	8570.7	8318.7	7936.7	7602.1	7263.4	6963.9	6691.4	6230.7	5978.8	5394.4
75°	5726.8	5276.6	4845.1	4266.8	3746.3	3285.8	2837.6	2610.5	2137.5	1945.4	1670.7
77.5°	2717.8	2465.9	2127.2	1864.9	1530.3	1249.5	1020.2	766.1	601.0	470.9	359.3
80°	2193.2	1980.5	1776.1	1538.6	1286.6	1026.4	786.8	588.6	417.1	289.1	204.4
82.5°	1955.8	1724.4	1472.5	1309.3	1138.0	931.4	764.1	623.7	460.5	336.6	229.3
85°	760.0	640.2	493.6	402.7	313.9	258.1	233.4	161.0	126.0	99.1	76.4
87.5°	66.1	53.7	43.4	29.0	31.0	16.6	18.6	12.4	10.3	10.3	8.3
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: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8	435.8
2.5°	456.4	454.4	452.2	448.1	448.1	444.1	442.0	439.9	429.5	406.8	388.3
5°	479.1	475.1	470.9	464.7	460.5	454.4	450.2	444.1	421.3	378.0	340.7
7.5°	512.2	503.9	497.8	485.3	479.1	470.9	464.7	454.4	417.1	351.0	299.5
10°	551.4	537.0	526.6	512.2	499.8	489.5	479.1	464.7	413.0	322.2	262.2
12.5°	599.0	582.4	561.7	545.2	528.7	514.2	499.8	481.2	406.8	297.4	233.4
15°	646.4	621.7	607.1	584.4	561.7	541.0	520.5	503.9	409.0	270.5	208.6
17.5°	700.1	675.3	644.4	619.5	594.8	568.0	543.2	510.1	398.6	249.9	190.0
20°	751.7	716.6	687.8	656.8	621.7	588.6	557.6	528.7	390.3	229.3	173.4
22.5°	807.5	766.1	729.0	689.8	646.4	609.3	572.0	534.9	375.9	210.7	159.0
25°	875.6	828.1	774.4	727.0	681.5	636.1	588.6	543.2	361.4	194.1	148.7
27.5°	958.3	896.3	842.6	782.7	718.7	660.9	609.3	559.7	347.0	181.7	138.3
30°	1063.6	991.3	914.9	838.5	770.3	704.2	632.0	570.0	332.5	169.3	128.0
32.5°	1204.1	1113.2	1020.2	931.4	840.5	755.9	679.5	599.0	324.2	159.0	117.8
35°	1389.9	1272.2	1158.6	1047.1	937.6	834.4	735.2	644.4	324.2	146.6	105.3
37.5°	1565.4	1429.2	1284.6	1146.1	1016.1	896.3	778.6	669.1	307.8	136.3	95.1
40°	1755.4	1592.2	1422.9	1259.8	1102.9	954.1	819.9	693.9	293.2	123.9	84.7
42.5°	2046.6	1840.2	1619.2	1429.2	1241.2	1057.4	890.1	741.4	274.7	111.5	74.4
45°	2428.7	2166.4	1906.3	1674.9	1435.3	1210.2	1012.0	828.1	270.5	101.2	64.0
47.5°	2837.6	2527.8	2222.2	1926.8	1646.0	1383.7	1146.1	925.2	270.5	90.9	55.8
50°	3244.4	2856.3	2529.9	2187.1	1871.2	1561.3	1278.3	1026.4	272.6	82.6	45.4
52.5°	3612.1	3197.0	2831.4	2434.9	2085.9	1726.6	1418.8	1125.6	268.5	72.2	37.1
55°	4122.2	3634.8	3211.4	2773.6	2364.7	1959.9	1610.9	1274.2	270.5	64.0	31.0
57.5°	5061.9	4489.8	3979.7	3405.6	2934.7	2412.2	1988.8	1579.9	295.3	53.7	22.7
60°	6410.5	5667.0	4950.4	4250.2	3651.4	3029.7	2480.3	1999.2	347.0	43.4	16.6
62.5°	7317.1	6344.4	5489.4	4717.0	4021.0	3370.5	2771.5	2224.2	382.0	35.1	10.3
63°	7410.0	6404.3	5545.1	4748.0	4037.5	3387.0	2783.9	2240.7	384.1	33.0	10.3
65°	7585.6	6507.5	5576.1	4754.1	4021.0	3364.3	2775.6	2238.7	388.3	26.8	8.3
67.5°	7385.3	6348.5	5396.5	4576.5	3876.4	3230.0	2672.4	2156.1	386.1	18.6	6.1
70°	6604.6	5745.5	4909.0	4144.9	3508.8	2924.4	2432.9	1966.1	355.2	12.4	4.1
72.5°	4849.2	4264.6	3616.3	3064.8	2643.4	2195.3	1873.2	1476.6	274.7	8.3	2.0
75°	1437.4	1309.3	1100.7	970.7	857.1	708.3	629.9	491.5	140.5	4.1	0.0
77.5°	287.1	260.2	233.4	212.7	200.3	171.4	163.2	134.2	57.8	2.0	0.0
80°	150.7	123.9	105.3	92.9	80.5	66.1	55.8	45.4	10.3	0.0	0.0
82.5°	144.6	97.1	70.2	57.8	49.5	39.3	31.0	22.7	6.1	0.0	0.0
85°	53.7	41.3	31.0	24.8	20.7	18.6	14.4	12.4	0.0	0.0	0.0
87.5°	8.3	6.1	6.1	4.1	4.1	2.0	2.0	2.0	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: P164980

CATALOG NUMBER: VTS-F09-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	435.8	435.8	435.8	435.8	435.8	435.8	435.8
2.5°	369.7	353.2	344.9	334.6	334.6	332.5	336.6
5°	307.8	285.1	268.5	256.1	258.1	252.0	254.1
7.5°	260.2	237.5	223.0	214.8	212.7	210.7	210.7
10°	225.1	204.4	192.0	185.9	183.9	183.9	183.9
12.5°	200.3	179.7	169.3	165.2	165.2	163.2	163.2
15°	179.7	163.2	152.9	148.7	148.7	146.6	148.7
17.5°	163.2	146.6	138.3	134.2	134.2	132.2	132.2
20°	148.7	134.2	126.0	119.8	119.8	117.8	119.8
22.5°	136.3	121.9	111.5	107.4	105.3	103.2	105.3
25°	123.9	109.5	99.1	92.9	90.9	90.9	88.8
27.5°	113.6	99.1	86.8	80.5	78.5	78.5	76.4
30°	103.2	86.8	74.4	68.1	66.1	66.1	66.1
32.5°	92.9	74.4	64.0	57.8	55.8	55.8	55.8
35°	82.6	64.0	53.7	47.5	45.4	45.4	45.4
37.5°	70.2	53.7	41.3	37.1	35.1	33.0	33.0
40°	59.9	41.3	31.0	26.8	22.7	22.7	22.7
42.5°	49.5	33.0	22.7	16.6	14.4	12.4	14.4
45°	41.3	24.8	14.4	8.3	6.1	6.1	6.1
47.5°	33.0	16.6	6.1	2.0	2.0	2.0	2.0
50°	24.8	10.3	2.0	0.0	0.0	2.0	2.0
52.5°	18.6	6.1	0.0	0.0	0.0	0.0	0.0
55°	10.3	2.0	0.0	0.0	0.0	0.0	0.0
57.5°	6.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.0	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)