

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: P164957

Luminaire Tested: **VTS-E07-LED-E1-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164957
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-E07-LED-E1-SL2-HSS
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (147) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12681.6 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

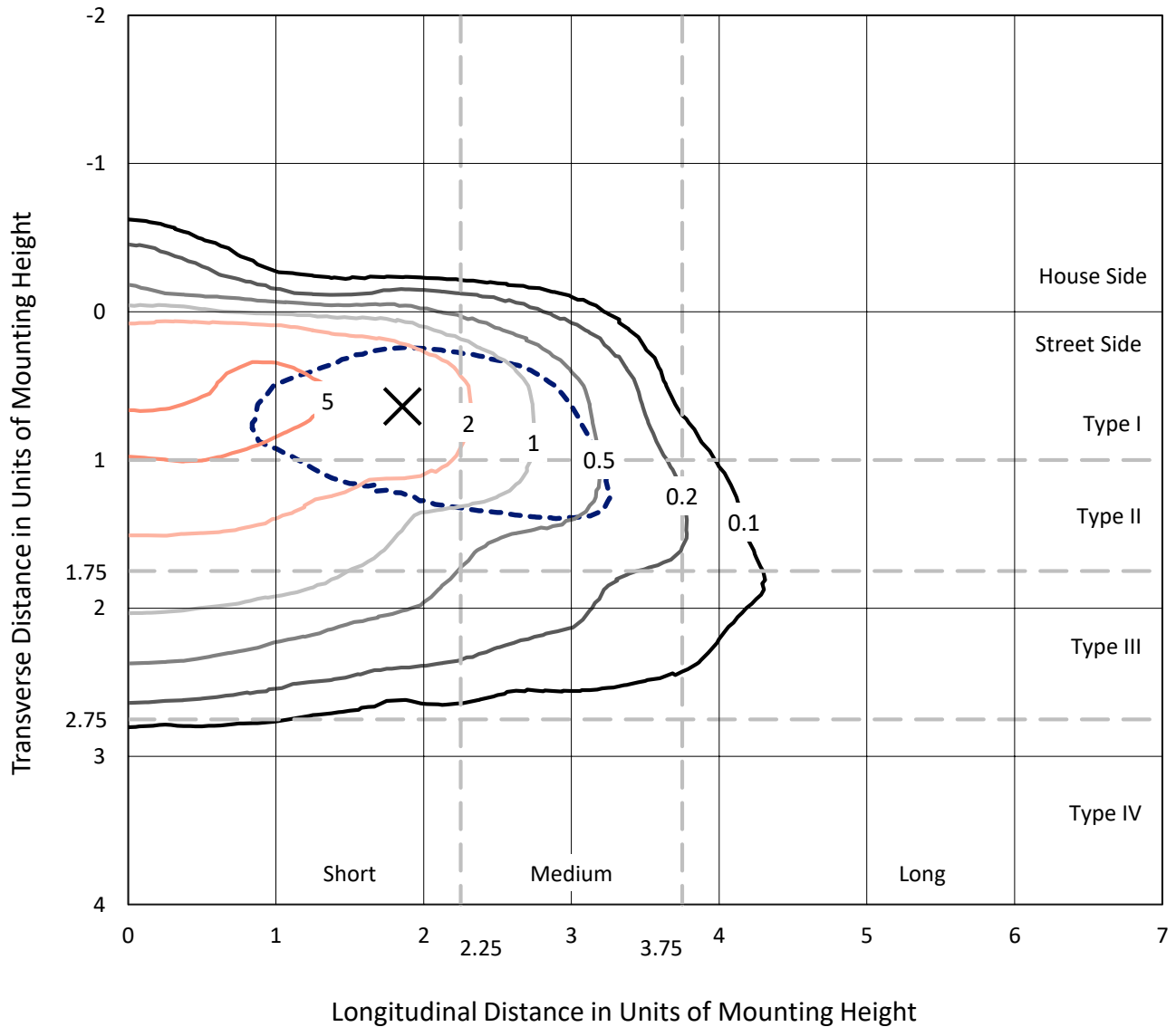
Input Watts (W): 172.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

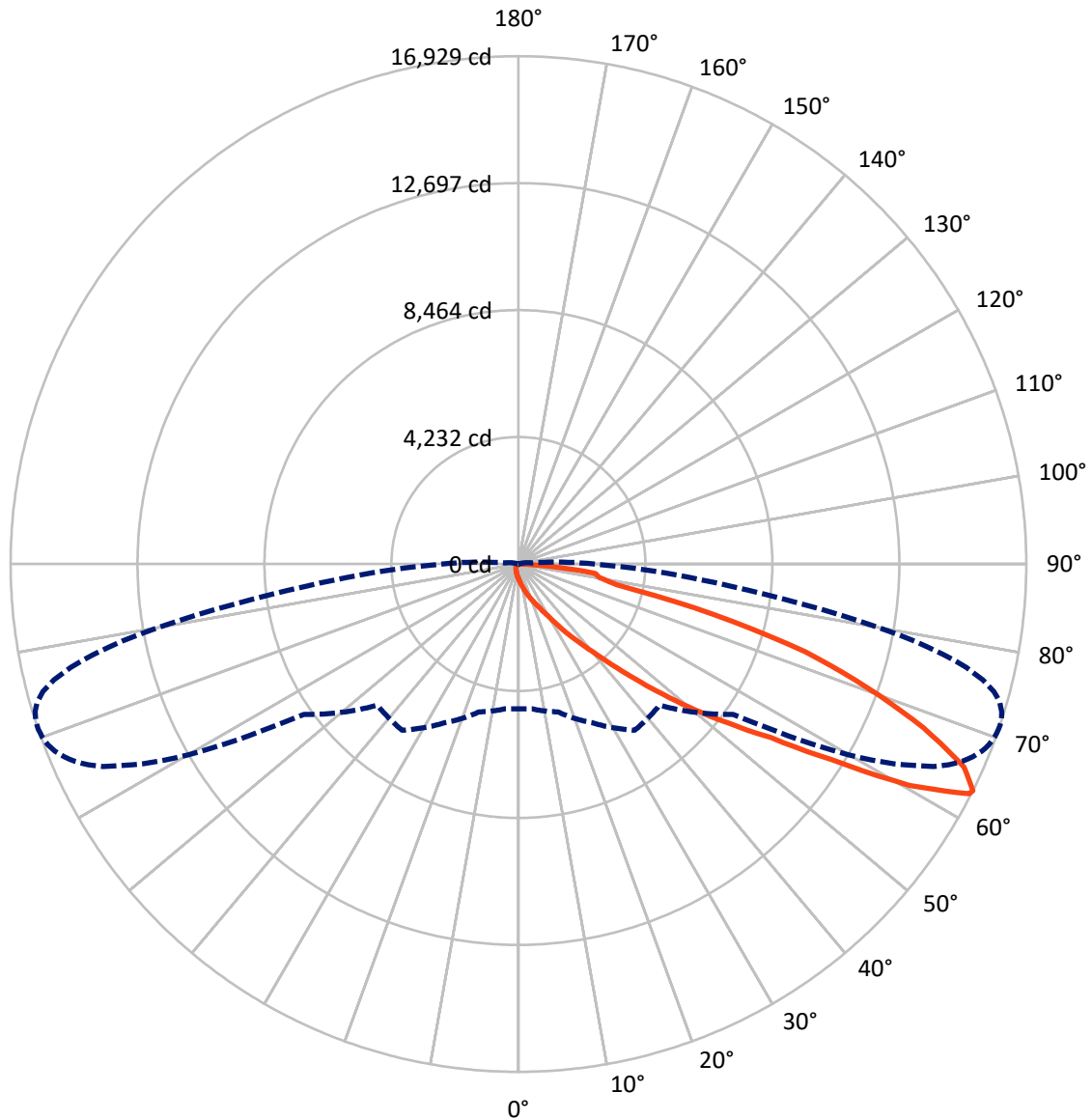


Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

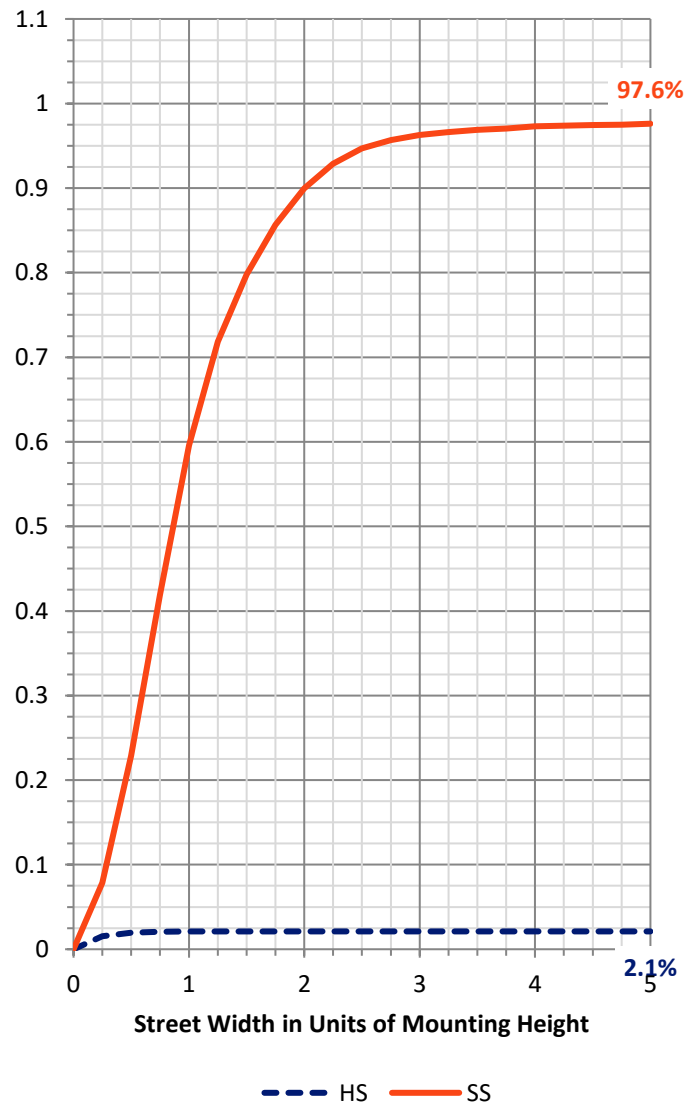
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	269.2	0.0	269.2
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	12412.4	0.0	12412.4
	% Fixture	97.9	0.0	97.9
Total	Lumens	12681.6	0.0	12681.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	0.4
10°-20°	208.5	1.6
20°-30°	423.5	3.3
30°-40°	1034.8	8.2
40°-50°	2314.2	18.2
50°-60°	3254.0	25.7
60°-70°	3826.4	30.2
70°-80°	1381.7	10.9
80°-90°	184.8	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°	12681.6	100.0
0°-180°	12681.6	100.0



REPORT NUMBER: P164957

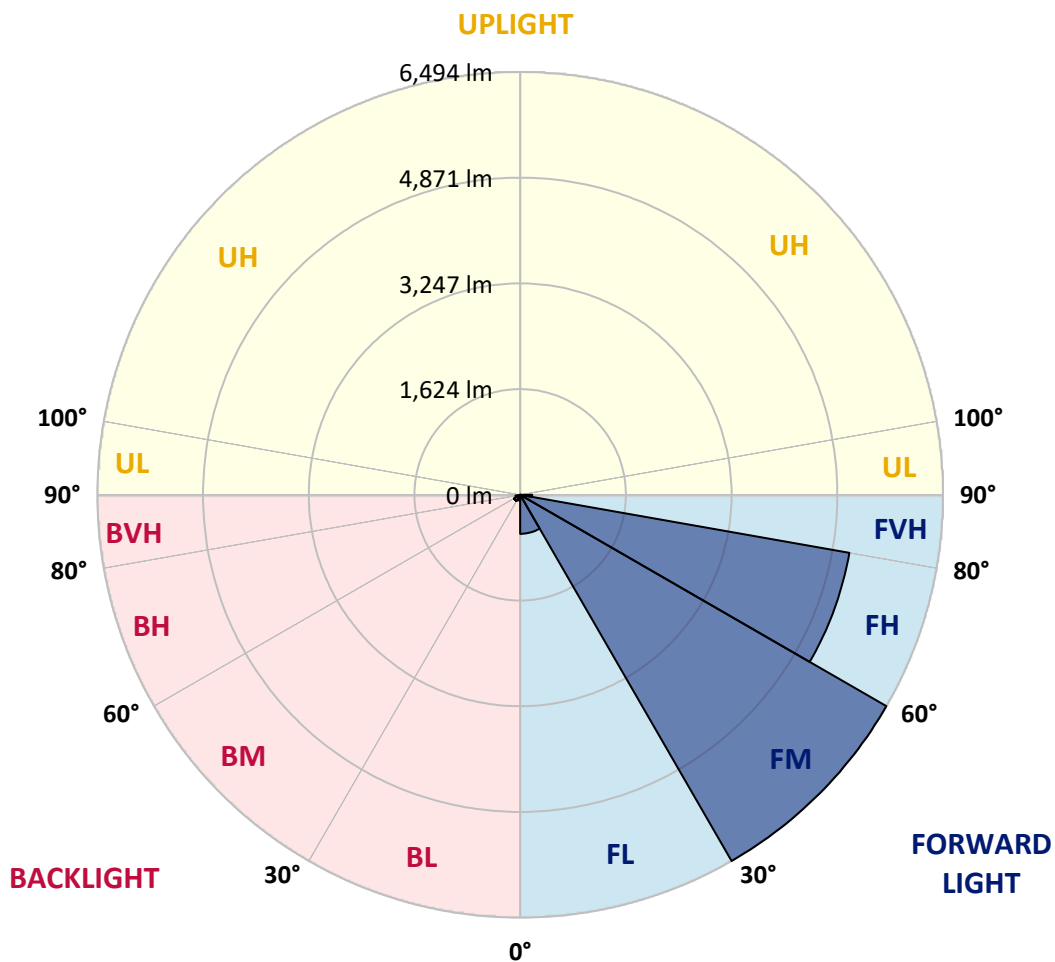
CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	599.3	4.7			
FM	(30°-60°)	6494.5	51.2			
FH	(60°-80°)	5134.3	40.5			G3/7500
FVH	(80°-90°)	184.4	1.5			G2/225
BL	(0°-30°)	86.6	0.7	B0/110		
BM	(30°-60°)	108.5	0.9	B0/220		
BH	(60°-80°)	73.8	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-G3

Type II Short





REPORT NUMBER: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	636.3	643.2	638.5	627.1	613.2	594.9	578.6	578.6	576.4	569.4	571.8
5°	834.5	836.9	827.7	800.0	774.6	735.4	691.6	687.0	682.4	675.5	673.3
7.5°	1028.3	1037.4	1028.3	998.2	947.5	887.6	818.4	811.6	797.7	797.7	788.5
10°	1226.5	1226.5	1217.3	1182.7	1136.5	1051.3	963.6	952.1	936.0	931.4	917.6
12.5°	1367.1	1367.1	1362.5	1344.1	1307.2	1231.2	1125.0	1113.6	1092.8	1085.8	1069.7
15°	1422.4	1422.4	1424.8	1440.9	1443.3	1408.7	1297.9	1288.7	1268.0	1249.5	1242.6
17.5°	1457.0	1454.7	1454.7	1477.8	1519.3	1542.4	1470.8	1461.6	1438.6	1429.4	1406.3
20°	1533.1	1528.5	1514.7	1514.7	1553.9	1634.5	1634.5	1632.3	1606.9	1599.9	1588.4
22.5°	1646.1	1641.5	1599.9	1565.3	1583.8	1685.3	1779.8	1775.2	1766.0	1756.7	1749.9
25°	1830.5	1814.4	1742.9	1641.5	1625.4	1733.8	1890.4	1902.0	1908.9	1908.9	1913.5
27.5°	2109.5	2088.8	1962.0	1773.0	1701.4	1812.0	2012.6	2035.7	2056.5	2061.1	2081.8
30°	2496.8	2459.9	2277.8	2001.2	1837.5	1927.4	2192.5	2217.9	2247.8	2257.1	2289.3
32.5°	3133.1	3112.3	2937.2	2522.1	2171.7	2153.3	2443.8	2476.0	2515.2	2531.3	2570.5
35°	4101.4	4106.1	3963.1	3589.6	3105.5	2851.8	2893.4	2921.0	2934.8	2983.3	3004.0
37.5°	4758.5	4769.9	4802.3	4654.7	4308.9	4050.6	3725.5	3755.6	3684.1	3691.0	3693.3
40°	5118.1	5154.9	5344.1	5487.0	5459.3	5309.5	5049.0	5065.1	4931.4	4901.4	4756.1
42.5°	5357.8	5406.2	5708.4	6150.9	6376.9	6512.9	6453.0	6446.0	6342.3	6303.1	6180.9
45°	5507.7	5551.6	5931.9	6584.3	7105.4	7501.9	7665.6	7684.0	7596.4	7557.2	7455.8
47.5°	5500.7	5551.6	5959.5	6745.8	7513.5	8147.4	8608.6	8631.6	8684.6	8650.0	8656.9
50°	5196.5	5245.0	5655.3	6471.4	7393.5	8442.6	9286.3	9360.1	9445.4	9503.1	9530.8
52.5°	4827.6	4862.2	5226.5	6001.1	6881.7	8320.3	9687.4	9814.3	9941.1	10049.5	10125.5
55°	4691.5	4730.7	5016.6	5659.9	6471.4	7808.5	9874.2	10061.0	10240.9	10418.4	10563.6
57.5°	4763.1	4799.9	5005.1	5498.5	6227.1	7269.1	9927.3	10217.8	10512.9	10801.0	11086.9
60°	5025.9	5065.1	5240.3	5648.3	6162.5	6957.9	9719.8	10201.7	10692.6	11195.2	11667.9
62.5°	4922.1	4938.2	5196.5	5911.2	6623.5	6692.7	8965.9	9639.1	10388.4	11163.0	11926.0
63°	4823.0	4841.5	5104.3	5839.7	6764.2	6653.5	8733.1	9443.1	10233.9	11068.4	11898.5
65°	4373.5	4375.7	4576.3	5157.3	6607.4	6722.7	7695.7	8373.4	9281.7	10282.3	11331.3
67.5°	3264.5	3248.4	3442.0	3884.7	5187.3	6725.0	6605.1	6985.6	7617.3	8504.9	9445.4
70°	1157.4	1132.0	1445.5	2058.7	3232.2	5500.7	5676.0	5701.4	5876.6	6356.1	6946.4
72.5°	375.8	382.8	461.0	753.9	1489.3	3702.6	5138.8	5060.4	5014.4	5012.0	5090.4
75°	149.8	152.2	184.4	334.3	668.6	1784.4	4500.3	4544.0	4560.2	4583.2	4608.7
77.5°	71.4	78.4	103.7	186.8	331.9	883.0	3220.7	3591.8	3803.9	3967.7	4066.9
80°	25.3	30.0	57.7	115.2	154.4	405.7	1696.8	2047.2	2358.4	2759.7	3105.5
82.5°	0.0	0.0	11.5	80.6	85.3	163.7	696.2	816.1	933.7	1210.3	1553.9
85°	0.0	0.0	0.0	23.1	25.3	27.7	235.2	283.6	318.2	371.1	428.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	6.9	13.9	34.6	53.1
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: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	567.1	564.9	564.9	560.3	557.9	553.3	551.0	544.0	541.8	541.8	541.8
5°	670.9	661.6	657.0	645.5	638.5	636.3	624.8	620.2	613.2	615.6	604.0
7.5°	786.1	770.0	763.1	746.9	742.4	726.2	721.6	710.1	703.2	689.4	684.7
10°	912.9	892.2	880.7	855.3	848.4	836.9	823.1	809.2	797.7	783.9	777.0
12.5°	1058.3	1039.8	1030.5	996.0	979.9	963.6	945.3	926.8	908.3	896.8	880.7
15°	1228.8	1198.8	1189.6	1157.4	1129.7	1108.9	1083.6	1060.5	1046.6	1023.7	1007.4
17.5°	1397.1	1367.1	1360.2	1311.8	1281.8	1268.0	1240.4	1210.3	1185.0	1162.0	1136.5
20°	1565.3	1544.6	1526.1	1480.1	1447.9	1424.8	1387.8	1357.9	1337.1	1304.9	1272.6
22.5°	1733.8	1712.9	1699.2	1650.7	1620.8	1588.4	1556.2	1523.9	1493.9	1454.7	1417.9
25°	1906.7	1892.8	1885.8	1842.1	1814.4	1784.4	1752.1	1715.3	1678.3	1634.5	1595.4
27.5°	2086.4	2091.0	2077.2	2067.9	2038.0	2017.3	1966.6	1941.2	1913.5	1860.5	1812.0
30°	2314.6	2328.5	2323.9	2330.9	2312.4	2298.5	2259.3	2227.1	2194.8	2144.1	2088.8
32.5°	2602.9	2621.4	2630.5	2655.9	2646.7	2642.1	2630.5	2584.4	2561.3	2473.8	2450.7
35°	3047.8	3038.6	3077.8	3098.5	3089.2	3084.8	3070.9	3045.6	3017.8	2955.5	2898.0
37.5°	3626.4	3635.7	3649.5	3608.1	3580.4	3578.1	3536.5	3511.2	3472.0	3402.8	3333.7
40°	4686.9	4629.4	4564.8	4389.6	4313.5	4269.7	4147.5	4112.9	4046.0	3951.5	3880.1
42.5°	6065.6	6008.0	5814.3	5521.6	5364.8	5148.1	5049.0	4926.7	4832.2	4677.8	4594.8
45°	7435.1	7269.1	7246.0	6904.8	6711.2	6425.3	6247.8	6042.5	5828.2	5625.3	5477.8
47.5°	8590.1	8553.2	8440.3	8232.7	8052.9	7813.1	7584.9	7269.1	7047.7	6759.6	6494.5
50°	9514.5	9512.3	9470.7	9350.9	9201.1	9007.5	8806.8	8539.4	8288.1	7935.3	7651.8
52.5°	10206.3	10243.1	10257.0	10220.0	10162.5	9991.8	9890.4	9666.7	9454.6	9154.9	8848.3
55°	10713.4	10849.4	10918.6	10997.0	10980.9	10921.0	10916.4	10771.0	10674.3	10436.7	10220.0
57.5°	11340.6	11564.1	11778.5	12159.0	12172.7	12306.6	12375.7	12444.9	12463.2	12368.7	12297.3
60°	12138.1	12594.7	13000.4	13795.9	14003.4	14330.7	14542.8	14773.4	14969.2	14985.5	14980.8
62.5°	12700.7	13403.9	14058.7	15239.0	15642.5	16020.6	16304.1	16527.8	16663.8	16802.1	16866.6
63°	12716.9	13486.9	14183.1	15400.4	15824.6	16184.3	16454.1	16661.5	16804.5	16887.4	16928.9
65°	12327.3	13260.9	14090.9	15303.5	15702.4	16064.4	16205.0	16341.1	16410.2	16442.4	16320.2
67.5°	10448.3	11361.3	12329.5	13685.1	14026.3	14459.8	14575.1	14644.3	14676.5	14669.6	14565.9
70°	7813.1	8578.6	9655.2	11204.5	11656.4	12080.6	12343.4	12456.4	12493.2	12481.7	12327.3
72.5°	5454.7	5904.2	6791.8	8516.3	9131.9	9676.0	10001.0	10169.3	10203.9	10134.7	9991.8
75°	4580.9	4604.0	4804.5	5747.4	6323.8	6904.8	7271.3	7377.4	7308.3	7098.4	6734.3
77.5°	4089.8	4140.6	4140.6	4281.2	4394.2	4555.6	4590.2	4331.9	4032.3	3644.9	3331.4
80°	3430.6	3608.1	3732.5	3836.3	3847.8	3815.6	3730.2	3585.0	3354.4	3059.3	2732.0
82.5°	2084.2	2434.6	2577.5	3112.3	3375.1	3552.6	3538.9	3345.2	3170.0	2863.4	2584.4
85°	525.7	567.1	615.6	800.0	896.8	1095.1	1219.5	1277.2	1297.9	1192.0	1079.0
87.5°	50.7	34.6	57.7	43.8	62.3	46.1	62.3	57.7	71.4	76.0	83.0
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: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	537.2	534.8	532.6	530.3	527.9	525.7	521.1	521.1	516.5	514.1	511.8
5°	597.1	592.5	590.2	585.6	578.6	574.0	567.1	557.9	551.0	548.7	544.0
7.5°	673.3	661.6	657.0	650.2	640.9	627.1	617.8	611.0	599.5	592.5	578.6
10°	758.5	746.9	733.2	719.3	705.5	689.4	677.7	668.6	650.2	640.9	624.8
12.5°	866.9	846.2	829.9	811.6	793.1	774.6	760.8	733.2	716.9	696.2	682.4
15°	977.5	959.0	940.7	917.6	889.8	859.9	846.2	820.7	800.0	767.8	749.3
17.5°	1111.2	1076.6	1049.0	1021.3	996.0	968.2	940.7	901.5	871.5	843.8	807.0
20°	1242.6	1201.2	1171.1	1134.3	1097.5	1053.6	1021.3	993.6	952.1	915.3	876.1
22.5°	1383.2	1341.8	1293.3	1256.5	1205.8	1171.1	1127.4	1081.2	1039.8	991.3	942.9
25°	1553.9	1510.0	1454.7	1406.3	1348.6	1300.3	1247.3	1194.2	1143.5	1088.2	1025.9
27.5°	1763.7	1717.5	1657.6	1599.9	1523.9	1464.0	1413.3	1341.8	1277.2	1208.1	1136.5
30°	2028.7	1978.1	1904.3	1821.3	1745.2	1678.3	1606.9	1512.4	1440.9	1357.9	1265.7
32.5°	2374.7	2314.6	2215.5	2137.1	2042.6	1955.0	1855.8	1761.3	1660.0	1551.6	1445.5
35°	2810.4	2755.1	2639.7	2524.5	2420.7	2317.0	2192.5	2084.2	1941.2	1809.8	1673.7
37.5°	3262.3	3163.0	3057.0	2932.6	2803.4	2678.9	2526.7	2376.9	2213.3	2070.3	1899.7
40°	3778.6	3658.8	3571.1	3437.4	3255.3	3077.8	2937.2	2750.4	2545.2	2353.8	2153.3
42.5°	4486.4	4352.7	4195.9	3993.1	3861.6	3654.1	3472.0	3250.7	2980.9	2766.5	2524.5
45°	5304.9	5122.7	4970.6	4774.6	4615.5	4357.4	4145.3	3850.1	3580.4	3299.1	3004.0
47.5°	6238.5	6012.6	5791.2	5597.6	5344.1	5090.4	4820.8	4507.2	4161.4	3852.4	3502.0
50°	7310.5	6990.1	6683.5	6434.5	6086.4	5793.6	5500.7	5148.1	4765.3	4410.3	4011.4
52.5°	8502.5	8131.3	7725.6	7342.9	6939.4	6563.6	6210.8	5805.1	5378.7	4945.2	4500.3
55°	9941.1	9662.1	9185.0	8698.5	8158.9	7656.5	7202.2	6699.7	6180.9	5611.5	5143.5
57.5°	12193.6	12057.5	11658.6	11172.3	10469.1	9858.1	9088.1	8472.5	7721.0	6937.1	6333.0
60°	15246.0	15077.6	14854.0	14459.8	13901.9	13071.9	12223.5	11266.8	10123.3	9037.4	8006.9
62.5°	16873.6	16813.6	16631.6	16359.4	15838.5	15183.7	14328.4	13277.0	11986.1	10667.3	9353.3
63°	16921.9	16845.9	16689.1	16412.5	15953.7	15319.8	14480.5	13459.2	12195.8	10851.8	9509.9
65°	16267.3	16237.3	16078.2	15776.2	15462.7	14978.5	14328.4	13449.9	12389.4	11119.2	9784.3
67.5°	14427.6	14337.5	14093.2	14001.0	13782.0	13445.3	12949.7	12345.6	11587.2	10588.9	9436.1
70°	12202.7	12069.0	11762.4	11598.7	11331.3	11119.2	10817.2	10386.0	9918.0	9221.8	8361.9
72.5°	9844.2	9567.6	9286.3	8859.9	8486.4	8108.2	7773.9	7469.7	6955.5	6674.2	6021.8
75°	6393.0	5890.4	5408.6	4763.1	4182.1	3668.0	3167.6	2914.1	2386.2	2171.7	1865.1
77.5°	3033.9	2752.7	2374.7	2081.8	1708.3	1394.8	1138.9	855.3	670.9	525.7	401.1
80°	2448.3	2210.9	1982.7	1717.5	1436.3	1145.8	878.4	657.0	465.6	322.7	228.2
82.5°	2183.3	1925.0	1643.7	1461.6	1270.4	1039.8	853.0	696.2	514.1	375.8	255.9
85°	848.4	714.7	551.0	449.5	350.4	288.1	260.5	179.8	140.7	110.6	85.3
87.5°	73.8	59.9	48.4	32.3	34.6	18.5	20.7	13.9	11.5	11.5	9.2
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: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	509.5	507.2	504.8	500.2	500.2	495.7	493.4	491.1	479.5	454.2	433.4
5°	534.8	530.3	525.7	518.7	514.1	507.2	502.6	495.7	470.3	422.0	380.4
7.5°	571.8	562.5	555.7	541.8	534.8	525.7	518.7	507.2	465.6	391.9	334.3
10°	615.6	599.5	587.9	571.8	557.9	546.4	534.8	518.7	461.0	359.7	292.7
12.5°	668.6	650.2	627.1	608.6	590.2	574.0	557.9	537.2	454.2	331.9	260.5
15°	721.6	694.0	677.7	652.4	627.1	604.0	581.0	562.5	456.5	302.0	232.8
17.5°	781.5	753.9	719.3	691.6	664.0	634.1	606.3	569.4	444.9	279.0	212.1
20°	839.2	800.0	767.8	733.2	694.0	657.0	622.4	590.2	435.7	255.9	193.6
22.5°	901.5	855.3	813.8	770.0	721.6	680.1	638.5	597.1	419.6	235.2	177.5
25°	977.5	924.4	864.5	811.6	760.8	710.1	657.0	606.3	403.5	216.7	166.0
27.5°	1069.7	1000.6	940.7	873.7	802.3	737.8	680.1	624.8	387.4	202.9	154.4
30°	1187.3	1106.6	1021.3	936.0	859.9	786.1	705.5	636.3	371.1	189.0	142.9
32.5°	1344.1	1242.6	1138.9	1039.8	938.3	843.8	758.5	668.6	361.9	177.5	131.5
35°	1551.6	1420.2	1293.3	1168.9	1046.6	931.4	820.7	719.3	361.9	163.7	117.6
37.5°	1747.5	1595.4	1434.0	1279.5	1134.3	1000.6	869.1	746.9	343.6	152.2	106.1
40°	1959.6	1777.4	1588.4	1406.3	1231.2	1065.1	915.3	774.6	327.3	138.3	94.5
42.5°	2284.7	2054.2	1807.5	1595.4	1385.6	1180.3	993.6	827.7	306.6	124.5	83.0
45°	2711.2	2418.4	2128.0	1869.7	1602.3	1351.0	1129.7	924.4	302.0	113.0	71.4
47.5°	3167.6	2821.8	2480.7	2151.0	1837.5	1544.6	1279.5	1032.8	302.0	101.5	62.3
50°	3621.8	3188.5	2824.2	2441.5	2088.8	1742.9	1427.0	1145.8	304.4	92.3	50.7
52.5°	4032.3	3568.9	3160.8	2718.1	2328.5	1927.4	1583.8	1256.5	299.7	80.6	41.4
55°	4601.7	4057.6	3585.0	3096.2	2639.7	2187.9	1798.3	1422.4	302.0	71.4	34.6
57.5°	5650.7	5012.0	4442.6	3801.7	3276.0	2692.8	2220.1	1763.7	329.7	59.9	25.3
60°	7156.1	6326.2	5526.2	4744.6	4076.1	3382.1	2768.8	2231.7	387.4	48.4	18.5
62.5°	8168.2	7082.3	6127.9	5265.7	4488.7	3762.5	3093.9	2482.9	426.4	39.2	11.5
63°	8271.9	7149.2	6190.1	5300.3	4507.2	3781.0	3107.7	2501.4	428.8	36.8	11.5
65°	8467.9	7264.5	6224.7	5307.1	4488.7	3755.6	3098.5	2499.1	433.4	30.0	9.2
67.5°	8244.3	7086.9	6024.2	5108.9	4327.3	3605.7	2983.3	2406.9	431.1	20.7	6.9
70°	7372.8	6413.8	5480.0	4627.0	3916.9	3264.5	2715.9	2194.8	396.5	13.9	4.6
72.5°	5413.2	4760.7	4036.9	3421.3	2950.9	2450.7	2091.0	1648.4	306.6	9.2	2.2
75°	1604.5	1461.6	1228.8	1083.6	956.8	790.7	703.2	548.7	156.8	4.6	0.0
77.5°	320.5	290.5	260.5	237.4	223.6	191.4	182.1	149.8	64.5	2.2	0.0
80°	168.3	138.3	117.6	103.7	89.9	73.8	62.3	50.7	11.5	0.0	0.0
82.5°	161.4	108.4	78.4	64.5	55.3	43.8	34.6	25.3	6.9	0.0	0.0
85°	59.9	46.1	34.6	27.7	23.1	20.7	16.1	13.9	0.0	0.0	0.0
87.5°	9.2	6.9	6.9	4.6	4.6	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: P164957

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	486.5	486.5	486.5	486.5	486.5	486.5	486.5
2.5°	412.7	394.2	385.0	373.5	373.5	371.1	375.8
5°	343.6	318.2	299.7	285.9	288.1	281.3	283.6
7.5°	290.5	265.2	248.9	239.8	237.4	235.2	235.2
10°	251.3	228.2	214.3	207.5	205.2	205.2	205.2
12.5°	223.6	200.6	189.0	184.4	184.4	182.1	182.1
15°	200.6	182.1	170.7	166.0	166.0	163.7	166.0
17.5°	182.1	163.7	154.4	149.8	149.8	147.6	147.6
20°	166.0	149.8	140.7	133.7	133.7	131.5	133.7
22.5°	152.2	136.1	124.5	119.8	117.6	115.2	117.6
25°	138.3	122.2	110.6	103.7	101.5	101.5	99.1
27.5°	126.8	110.6	96.9	89.9	87.6	87.6	85.3
30°	115.2	96.9	83.0	76.0	73.8	73.8	73.8
32.5°	103.7	83.0	71.4	64.5	62.3	62.3	62.3
35°	92.3	71.4	59.9	53.1	50.7	50.7	50.7
37.5°	78.4	59.9	46.1	41.4	39.2	36.8	36.8
40°	66.9	46.1	34.6	30.0	25.3	25.3	25.3
42.5°	55.3	36.8	25.3	18.5	16.1	13.9	16.1
45°	46.1	27.7	16.1	9.2	6.9	6.9	6.9
47.5°	36.8	18.5	6.9	2.2	2.2	2.2	2.2
50°	27.7	11.5	2.2	0.0	0.0	2.2	2.2
52.5°	20.7	6.9	0.0	0.0	0.0	0.0	0.0
55°	11.5	2.2	0.0	0.0	0.0	0.0	0.0
57.5°	6.9	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.6	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)