

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: P164955

Luminaire Tested: **VTS-E07-LED-E1-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164955
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-8030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (147) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

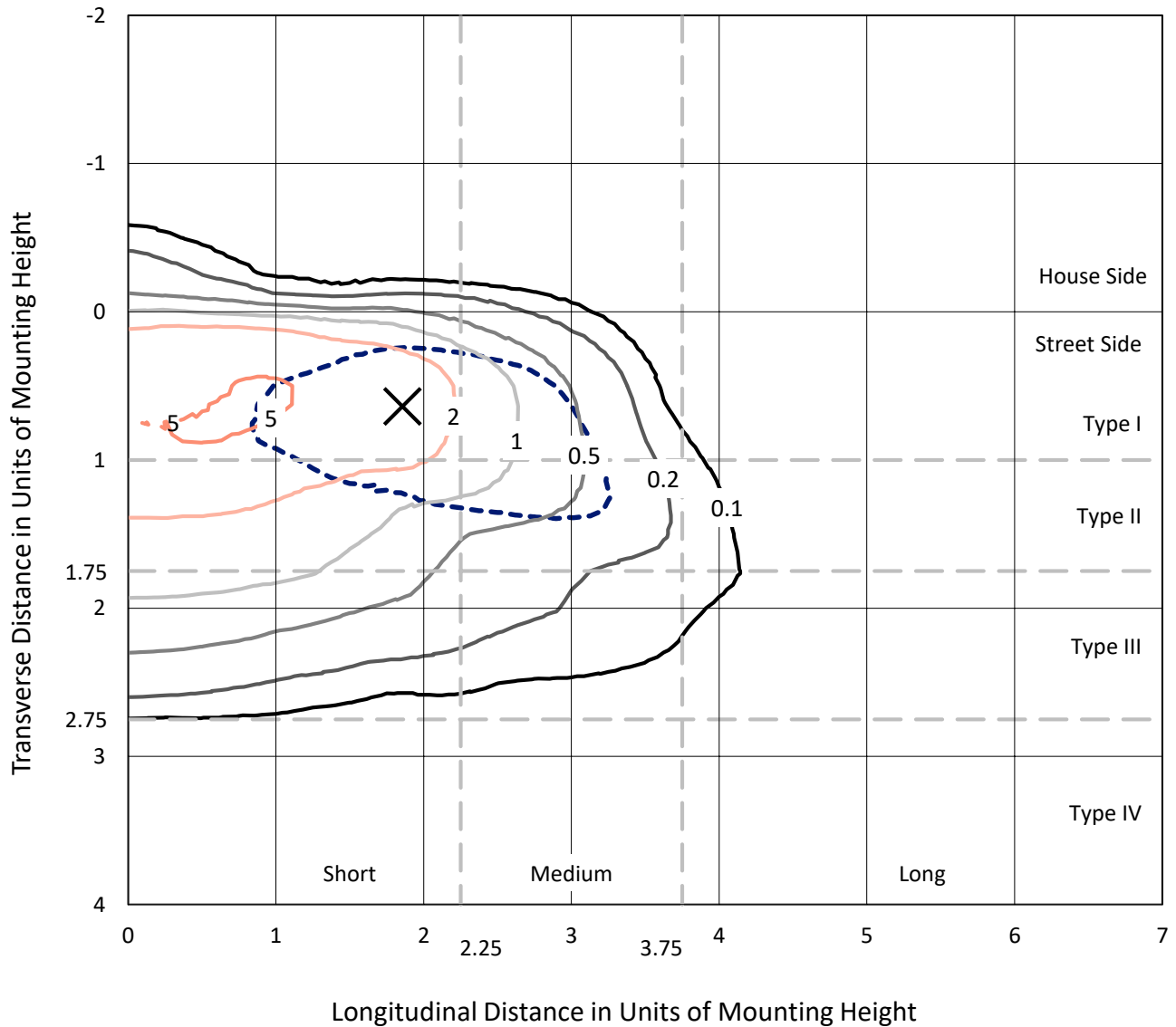
Lumens per Lamp: N/A
Luminaire Lumens: 10703.2 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

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: P164955
 CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

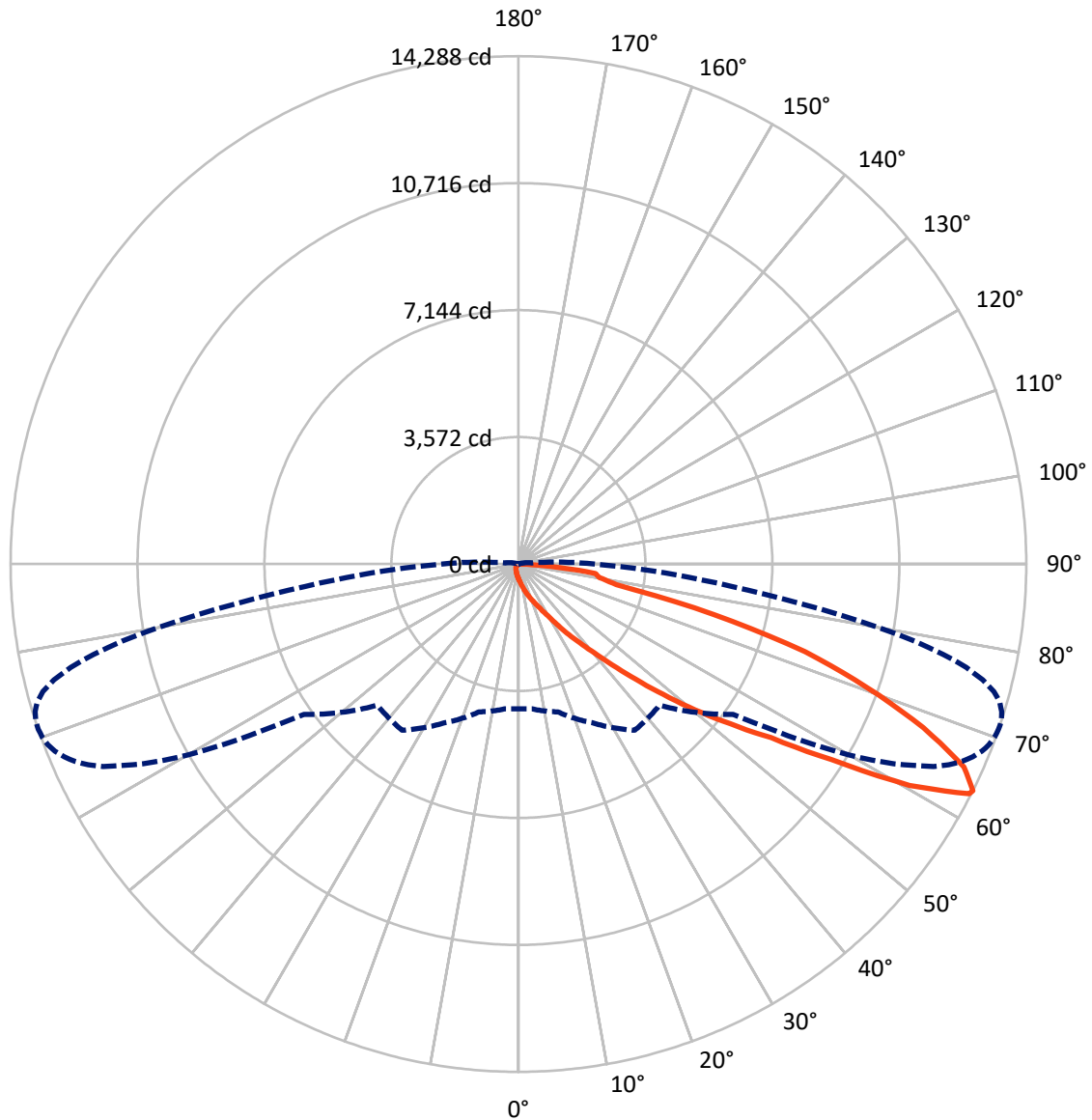
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164955
CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P164955

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	227.3	0.0	227.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	10476.0	0.0	10476.0
	% Fixture	97.9	0.0	97.9
Total	Lumens	10703.2	0.0	10703.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	0.4
10°-20°	176.0	1.6
20°-30°	357.5	3.3
30°-40°	873.3	8.2
40°-50°	1953.1	18.2
50°-60°	2746.3	25.7
60°-70°	3229.5	30.2
70°-80°	1166.1	10.9
80°-90°	155.9	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°	10703.2	100.0
0°-180°	10703.2	100.0



REPORT NUMBER: P164955

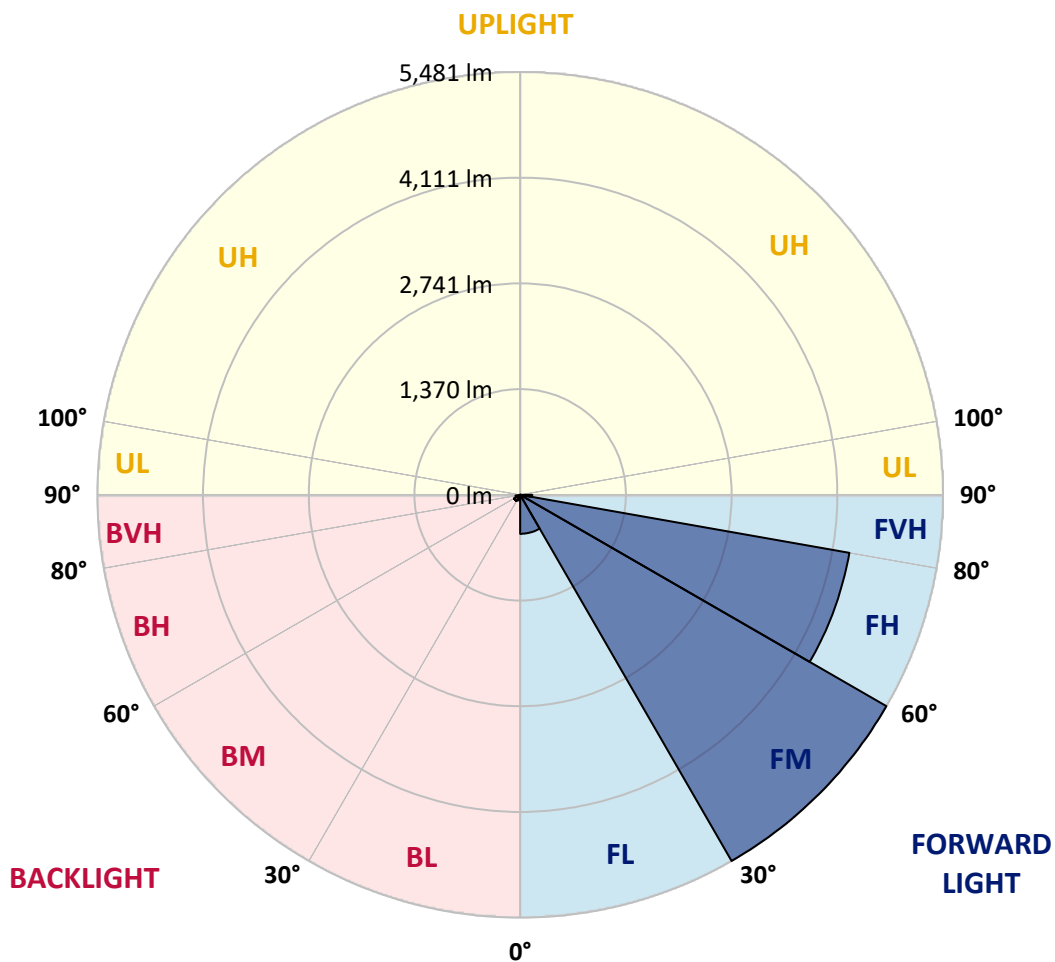
CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	505.8	4.7			
FM	(30°-60°)	5481.3	51.2			
FH	(60°-80°)	4333.3	40.5			G2/5000
FVH	(80°-90°)	155.6	1.5			G2/225
BL	(0°-30°)	73.1	0.7	B0/110		
BM	(30°-60°)	91.6	0.9	B0/220		
BH	(60°-80°)	62.3	0.6	B0/110		G0/110
BVH	(80°-90°)	0.3	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: P164955

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	537.0	542.8	538.9	529.2	517.5	502.1	488.4	488.4	486.5	480.6	482.6
5°	704.3	706.4	698.6	675.2	653.8	620.7	583.7	579.8	575.9	570.1	568.2
7.5°	867.9	875.6	867.9	842.5	799.7	749.1	690.8	685.0	673.3	673.3	665.5
10°	1035.2	1035.2	1027.4	998.2	959.2	887.3	813.3	803.6	790.0	786.1	774.4
12.5°	1153.8	1153.8	1149.9	1134.4	1103.2	1039.1	949.5	939.8	922.3	916.4	902.9
15°	1200.5	1200.5	1202.5	1216.1	1218.1	1188.9	1095.4	1087.7	1070.2	1054.6	1048.8
17.5°	1229.7	1227.8	1227.8	1247.3	1282.3	1301.8	1241.4	1233.6	1214.2	1206.4	1186.9
20°	1294.0	1290.1	1278.4	1278.4	1311.4	1379.5	1379.5	1377.6	1356.2	1350.3	1340.6
22.5°	1389.3	1385.4	1350.3	1321.1	1336.7	1422.4	1502.2	1498.3	1490.5	1482.7	1476.9
25°	1544.9	1531.3	1471.0	1385.4	1371.8	1463.3	1595.5	1605.3	1611.1	1611.1	1615.0
27.5°	1780.4	1762.9	1655.9	1496.4	1436.0	1529.3	1698.6	1718.1	1735.6	1739.5	1757.0
30°	2107.2	2076.2	1922.4	1689.0	1550.8	1626.7	1850.5	1871.9	1897.2	1905.0	1932.1
32.5°	2644.3	2626.8	2479.0	2128.6	1832.9	1817.4	2062.6	2089.8	2122.8	2136.4	2169.5
35°	3461.6	3465.5	3344.8	3029.6	2621.0	2406.9	2442.0	2465.3	2477.0	2517.8	2535.3
37.5°	4016.1	4025.8	4053.1	3928.5	3636.7	3418.7	3144.3	3169.7	3109.3	3115.1	3117.1
40°	4319.6	4350.7	4510.4	4631.0	4607.6	4481.2	4261.3	4274.9	4162.0	4136.7	4014.1
42.5°	4521.9	4562.8	4817.8	5191.3	5382.0	5496.9	5446.3	5440.4	5352.8	5319.7	5216.6
45°	4648.5	4685.5	5006.5	5557.1	5996.9	6331.5	6469.7	6485.3	6411.3	6378.2	6292.7
47.5°	4642.6	4685.5	5029.8	5693.4	6341.3	6876.4	7265.6	7285.0	7329.7	7300.6	7306.3
50°	4385.8	4426.7	4773.0	5461.8	6240.1	7125.4	7837.6	7899.9	7971.8	8020.5	8043.9
52.5°	4074.5	4103.7	4411.1	5064.9	5808.1	7022.3	8176.1	8283.2	8390.2	8481.7	8545.8
55°	3959.6	3992.7	4234.0	4776.9	5461.8	6590.3	8333.7	8491.4	8643.2	8793.0	8915.5
57.5°	4020.0	4051.1	4224.3	4640.7	5255.6	6135.0	8378.5	8623.7	8872.8	9115.9	9357.2
60°	4241.8	4274.9	4422.8	4767.1	5201.1	5872.4	8203.4	8610.1	9024.5	9448.7	9847.6
62.5°	4154.2	4167.8	4385.8	4989.0	5590.2	5648.6	7567.1	8135.3	8767.7	9421.5	10065.5
63°	4070.6	4086.2	4307.9	4928.6	5709.0	5615.5	7370.6	7969.9	8637.3	9341.6	10042.2
65°	3691.2	3693.1	3862.4	4352.7	5576.6	5673.9	6495.1	7067.1	7833.7	8678.2	9563.5
67.5°	2755.2	2741.6	2905.1	3278.7	4378.0	5675.9	5574.6	5895.8	6428.9	7178.0	7971.8
70°	976.8	955.4	1220.0	1737.5	2727.9	4642.6	4790.5	4811.9	4959.8	5364.5	5862.7
72.5°	317.1	323.0	389.1	636.3	1257.0	3124.9	4337.1	4271.0	4232.1	4230.1	4296.3
75°	126.4	128.4	155.6	282.2	564.3	1506.1	3798.2	3835.1	3848.8	3868.2	3889.7
77.5°	60.3	66.2	87.6	157.6	280.2	745.2	2718.2	3031.5	3210.5	3348.7	3432.4
80°	21.4	25.3	48.7	97.2	130.3	342.4	1432.1	1727.8	1990.5	2329.1	2621.0
82.5°	0.0	0.0	9.7	68.1	72.0	138.1	587.6	688.7	788.0	1021.5	1311.4
85°	0.0	0.0	0.0	19.5	21.4	23.4	198.5	239.4	268.6	313.2	361.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8	11.7	29.2	44.8
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: P164955

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	478.7	476.8	476.8	472.9	470.9	467.0	465.1	459.2	457.3	457.3	457.3
5°	566.2	558.4	554.5	544.8	538.9	537.0	527.3	523.4	517.5	519.5	509.7
7.5°	663.5	649.9	644.1	630.4	626.6	612.9	609.0	599.3	593.5	581.8	577.9
10°	770.5	753.0	743.3	721.8	716.0	706.4	694.7	683.0	673.3	661.6	655.8
12.5°	893.2	877.6	869.8	840.6	827.0	813.3	797.8	782.2	766.6	756.9	743.3
15°	1037.1	1011.8	1004.0	976.8	953.4	935.9	914.5	895.1	883.4	864.0	850.3
17.5°	1179.1	1153.8	1148.0	1107.1	1081.9	1070.2	1046.9	1021.5	1000.1	980.7	959.2
20°	1321.1	1303.6	1288.0	1249.2	1222.0	1202.5	1171.3	1146.0	1128.5	1101.4	1074.1
22.5°	1463.3	1445.7	1434.1	1393.2	1367.9	1340.6	1313.5	1286.2	1260.9	1227.8	1196.7
25°	1609.2	1597.5	1591.6	1554.7	1531.3	1506.1	1478.8	1447.7	1416.5	1379.5	1346.5
27.5°	1760.9	1764.8	1753.1	1745.3	1720.0	1702.5	1659.8	1638.4	1615.0	1570.2	1529.3
30°	1953.5	1965.2	1961.3	1967.2	1951.6	1939.9	1906.8	1879.7	1852.4	1809.6	1762.9
32.5°	2196.8	2212.4	2220.1	2241.6	2233.8	2229.9	2220.1	2181.2	2161.7	2087.9	2068.4
35°	2572.3	2564.5	2597.6	2615.1	2607.3	2603.5	2591.8	2570.4	2547.0	2494.4	2445.9
37.5°	3060.7	3068.5	3080.2	3045.2	3021.8	3019.9	2984.8	2963.4	2930.3	2872.0	2813.6
40°	3955.7	3907.2	3852.7	3704.7	3640.6	3603.6	3500.5	3471.3	3414.8	3335.0	3274.8
42.5°	5119.3	5070.7	4907.3	4660.2	4527.8	4344.9	4261.3	4158.1	4078.4	3948.0	3878.0
45°	6275.2	6135.0	6115.5	5827.6	5664.2	5422.9	5273.1	5099.8	4918.9	4747.7	4623.2
47.5°	7250.0	7218.8	7123.6	6948.3	6796.6	6594.2	6401.6	6135.0	5948.2	5705.1	5481.3
50°	8030.2	8028.3	7993.2	7892.1	7765.6	7602.2	7432.9	7207.2	6995.1	6697.4	6458.1
52.5°	8614.0	8645.1	8656.8	8625.6	8577.0	8433.0	8347.4	8158.6	7979.6	7726.6	7467.9
55°	9042.0	9156.8	9215.2	9281.4	9267.8	9217.2	9213.3	9090.7	9009.0	8808.5	8625.6
57.5°	9571.3	9760.0	9940.9	10262.1	10273.7	10386.6	10445.0	10503.4	10518.8	10439.1	10378.8
60°	10244.5	10629.8	10972.2	11643.6	11818.7	12095.0	12274.0	12468.6	12633.9	12647.6	12643.7
62.5°	10719.2	11312.8	11865.4	12861.6	13202.1	13521.3	13760.5	13949.3	14064.1	14180.8	14235.3
63°	10732.9	11382.8	11970.4	12997.8	13355.8	13659.4	13887.1	14062.2	14182.8	14252.8	14287.9
65°	10404.1	11192.1	11892.6	12916.0	13252.7	13558.2	13676.9	13791.7	13850.1	13877.3	13774.1
67.5°	8818.3	9588.8	10406.0	11550.1	11838.1	12203.9	12301.3	12359.6	12386.8	12381.0	12293.5
70°	6594.2	7240.3	8148.9	9456.5	9837.9	10195.9	10417.7	10513.1	10544.1	10534.4	10404.1
72.5°	4603.7	4983.1	5732.2	7187.7	7707.3	8166.4	8440.8	8582.8	8612.0	8553.6	8433.0
75°	3866.3	3885.8	4055.0	4850.8	5337.2	5827.6	6136.9	6226.5	6168.1	5991.0	5683.7
77.5°	3451.8	3494.7	3494.7	3613.3	3708.6	3844.9	3874.1	3656.1	3403.2	3076.3	2811.7
80°	2895.4	3045.2	3150.2	3237.8	3247.5	3220.3	3148.2	3025.7	2831.1	2582.0	2305.7
82.5°	1759.0	2054.8	2175.4	2626.8	2848.6	2998.4	2986.8	2823.3	2675.5	2416.7	2181.2
85°	443.7	478.7	519.5	675.2	756.9	924.2	1029.3	1078.0	1095.4	1006.0	910.6
87.5°	42.8	29.2	48.7	37.0	52.6	38.9	52.6	48.7	60.3	64.2	70.1
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: P164955

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	453.4	451.4	449.5	447.6	445.6	443.7	439.8	439.8	435.9	433.9	432.0
5°	503.9	500.0	498.2	494.3	488.4	484.5	478.7	470.9	465.1	463.1	459.2
7.5°	568.2	558.4	554.5	548.7	540.9	529.2	521.4	515.6	506.0	500.0	488.4
10°	640.2	630.4	618.8	607.1	595.4	581.8	572.0	564.3	548.7	540.9	527.3
12.5°	731.6	714.2	700.4	685.0	669.4	653.8	642.1	618.8	605.1	587.6	575.9
15°	825.0	809.4	793.9	774.4	751.0	725.7	714.2	692.6	675.2	648.0	632.4
17.5°	937.8	908.6	885.4	862.0	840.6	817.2	793.9	760.8	735.5	712.1	681.1
20°	1048.8	1013.8	988.4	957.3	926.2	889.3	862.0	838.6	803.6	772.5	739.4
22.5°	1167.4	1132.4	1091.6	1060.5	1017.7	988.4	951.5	912.5	877.6	836.7	795.8
25°	1311.4	1274.5	1227.8	1186.9	1138.2	1097.5	1052.7	1007.9	965.1	918.4	865.9
27.5°	1488.6	1449.6	1399.0	1350.3	1286.2	1235.6	1192.8	1132.4	1078.0	1019.6	959.2
30°	1712.2	1669.5	1607.2	1537.1	1473.0	1416.5	1356.2	1276.5	1216.1	1146.0	1068.3
32.5°	2004.2	1953.5	1869.9	1803.7	1723.9	1650.0	1566.3	1486.6	1401.0	1309.6	1220.0
35°	2371.9	2325.2	2227.9	2130.6	2043.1	1955.5	1850.5	1759.0	1638.4	1527.4	1412.6
37.5°	2753.3	2669.6	2580.1	2475.1	2366.0	2261.0	2132.5	2006.1	1868.0	1747.3	1603.3
40°	3189.1	3088.0	3014.0	2901.2	2747.4	2597.6	2479.0	2321.3	2148.1	1986.6	1817.4
42.5°	3786.5	3673.7	3541.3	3370.1	3259.2	3084.1	2930.3	2743.5	2515.8	2334.9	2130.6
45°	4477.3	4323.5	4195.1	4029.7	3895.5	3677.6	3498.6	3249.5	3021.8	2784.4	2535.3
47.5°	5265.3	5074.6	4887.8	4724.3	4510.4	4296.3	4068.7	3804.0	3512.2	3251.4	2955.6
50°	6170.0	5899.5	5640.8	5430.7	5136.8	4889.8	4642.6	4344.9	4021.9	3722.2	3385.6
52.5°	7176.0	6862.8	6520.4	6197.3	5856.8	5539.6	5241.9	4899.5	4539.5	4173.7	3798.2
55°	8390.2	8154.7	7752.0	7341.4	6886.1	6462.0	6078.6	5654.5	5216.6	4736.0	4341.0
57.5°	10291.3	10176.4	9839.8	9429.3	8835.8	8320.1	7670.3	7150.7	6516.5	5854.9	5345.0
60°	12867.5	12725.3	12536.6	12203.9	11733.0	11032.6	10316.6	9509.1	8543.9	7627.5	6757.7
62.5°	14241.2	14190.5	14036.9	13807.2	13367.5	12814.9	12093.1	11205.7	10116.2	9003.1	7894.1
63°	14282.0	14217.8	14085.5	13852.0	13464.8	12929.8	12221.4	11359.4	10293.2	9158.8	8026.3
65°	13729.5	13704.2	13569.8	13315.0	13050.4	12641.7	12093.1	11351.6	10456.6	9384.5	8257.9
67.5°	12176.7	12100.8	11894.6	11816.7	11631.9	11347.7	10929.4	10419.6	9779.5	8936.9	7964.0
70°	10299.0	10186.1	9927.3	9789.2	9563.5	9384.5	9129.7	8765.7	8370.7	7783.1	7057.4
72.5°	8308.4	8075.0	7837.6	7477.7	7162.4	6843.3	6561.1	6304.4	5870.4	5633.0	5082.4
75°	5395.6	4971.4	4564.8	4020.0	3529.6	3095.8	2673.5	2459.5	2013.9	1832.9	1574.1
77.5°	2560.6	2323.2	2004.2	1757.0	1441.8	1177.2	961.2	721.8	566.2	443.7	338.5
80°	2066.4	1866.0	1673.4	1449.6	1212.2	967.0	741.3	554.5	393.0	272.4	192.6
82.5°	1842.7	1624.7	1387.3	1233.6	1072.2	877.6	719.9	587.6	433.9	317.1	216.0
85°	716.0	603.2	465.1	379.4	295.8	243.2	219.9	151.7	118.7	93.3	72.0
87.5°	62.3	50.6	40.9	27.3	29.2	15.6	17.5	11.7	9.7	9.7	7.8
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: P164955

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	430.0	428.1	426.1	422.2	422.2	418.4	416.4	414.5	404.7	383.3	365.8
5°	451.4	447.6	443.7	437.8	433.9	428.1	424.2	418.4	396.9	356.1	321.0
7.5°	482.6	474.8	469.0	457.3	451.4	443.7	437.8	428.1	393.0	330.7	282.2
10°	519.5	506.0	496.1	482.6	470.9	461.2	451.4	437.8	389.1	303.5	247.1
12.5°	564.3	548.7	529.2	513.6	498.2	484.5	470.9	453.4	383.3	280.2	219.9
15°	609.0	585.7	572.0	550.6	529.2	509.7	490.4	474.8	385.3	254.9	196.5
17.5°	659.6	636.3	607.1	583.7	560.4	535.1	511.7	480.6	375.5	235.5	179.0
20°	708.2	675.2	648.0	618.8	585.7	554.5	525.3	498.2	367.7	216.0	163.4
22.5°	760.8	721.8	686.9	649.9	609.0	574.0	538.9	503.9	354.1	198.5	149.8
25°	825.0	780.2	729.6	685.0	642.1	599.3	554.5	511.7	340.5	182.9	140.1
27.5°	902.9	844.5	793.9	737.4	677.2	622.7	574.0	527.3	326.9	171.2	130.3
30°	1002.1	933.9	862.0	790.0	725.7	663.5	595.4	537.0	313.2	159.5	120.6
32.5°	1134.4	1048.8	961.2	877.6	791.9	712.1	640.2	564.3	305.4	149.8	111.0
35°	1309.6	1198.6	1091.6	986.5	883.4	786.1	692.6	607.1	305.4	138.1	99.3
37.5°	1474.9	1346.5	1210.3	1079.9	957.3	844.5	733.5	630.4	290.0	128.4	89.6
40°	1653.9	1500.1	1340.6	1186.9	1039.1	899.0	772.5	653.8	276.3	116.7	79.8
42.5°	1928.2	1733.7	1525.5	1346.5	1169.4	996.2	838.6	698.6	258.8	105.0	70.1
45°	2288.3	2041.1	1796.0	1578.0	1352.3	1140.2	953.4	780.2	254.9	95.4	60.3
47.5°	2673.5	2381.6	2093.7	1815.4	1550.8	1303.6	1079.9	871.7	254.9	85.7	52.6
50°	3056.8	2691.1	2383.6	2060.6	1762.9	1471.0	1204.4	967.0	256.9	77.9	42.8
52.5°	3403.2	3012.1	2667.7	2294.1	1965.2	1626.7	1336.7	1060.5	253.0	68.1	35.0
55°	3883.8	3424.6	3025.7	2613.2	2227.9	1846.6	1517.7	1200.5	254.9	60.3	29.2
57.5°	4769.1	4230.1	3749.5	3208.6	2764.9	2272.7	1873.8	1488.6	278.3	50.6	21.4
60°	6039.7	5339.2	4664.1	4004.4	3440.2	2854.5	2336.8	1883.6	326.9	40.9	15.6
62.5°	6893.9	5977.4	5171.9	4444.2	3788.4	3175.5	2611.2	2095.5	359.9	33.1	9.7
63°	6981.4	6033.9	5224.4	4473.4	3804.0	3191.1	2622.9	2111.1	361.9	31.1	9.7
65°	7146.8	6131.1	5253.6	4479.2	3788.4	3169.7	2615.1	2109.3	365.8	25.3	7.8
67.5°	6958.1	5981.3	5084.4	4311.8	3652.2	3043.2	2517.8	2031.4	363.8	17.5	5.8
70°	6222.6	5413.2	4625.1	3905.1	3305.8	2755.2	2292.2	1852.4	334.6	11.7	3.9
72.5°	4568.7	4018.0	3407.1	2887.6	2490.5	2068.4	1764.8	1391.2	258.8	7.8	1.9
75°	1354.2	1233.6	1037.1	914.5	807.5	667.4	593.5	463.1	132.3	3.9	0.0
77.5°	270.5	245.2	219.9	200.4	188.7	161.5	153.7	126.4	54.5	1.9	0.0
80°	142.0	116.7	99.3	87.6	75.9	62.3	52.6	42.8	9.7	0.0	0.0
82.5°	136.2	91.5	66.2	54.5	46.7	37.0	29.2	21.4	5.8	0.0	0.0
85°	50.6	38.9	29.2	23.4	19.5	17.5	13.6	11.7	0.0	0.0	0.0
87.5°	7.8	5.8	5.8	3.9	3.9	1.9	1.9	1.9	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: P164955

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	410.6	410.6	410.6	410.6	410.6	410.6	410.6
2.5°	348.3	332.7	324.9	315.2	315.2	313.2	317.1
5°	290.0	268.6	253.0	241.3	243.2	237.4	239.4
7.5°	245.2	223.8	210.1	202.4	200.4	198.5	198.5
10°	212.1	192.6	180.9	175.1	173.2	173.2	173.2
12.5°	188.7	169.3	159.5	155.6	155.6	153.7	153.7
15°	169.3	153.7	144.0	140.1	140.1	138.1	140.1
17.5°	153.7	138.1	130.3	126.4	126.4	124.5	124.5
20°	140.1	126.4	118.7	112.8	112.8	111.0	112.8
22.5°	128.4	114.9	105.0	101.1	99.3	97.2	99.3
25°	116.7	103.2	93.3	87.6	85.7	85.7	83.7
27.5°	107.1	93.3	81.8	75.9	74.0	74.0	72.0
30°	97.2	81.8	70.1	64.2	62.3	62.3	62.3
32.5°	87.6	70.1	60.3	54.5	52.6	52.6	52.6
35°	77.9	60.3	50.6	44.8	42.8	42.8	42.8
37.5°	66.2	50.6	38.9	35.0	33.1	31.1	31.1
40°	56.5	38.9	29.2	25.3	21.4	21.4	21.4
42.5°	46.7	31.1	21.4	15.6	13.6	11.7	13.6
45°	38.9	23.4	13.6	7.8	5.8	5.8	5.8
47.5°	31.1	15.6	5.8	1.9	1.9	1.9	1.9
50°	23.4	9.7	1.9	0.0	0.0	1.9	1.9
52.5°	17.5	5.8	0.0	0.0	0.0	0.0	0.0
55°	9.7	1.9	0.0	0.0	0.0	0.0	0.0
57.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	3.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.9	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)