

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: P159190

Luminaire Tested: **VTS-E02-LED-E1-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159190
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-E02-LED-E1-T2
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

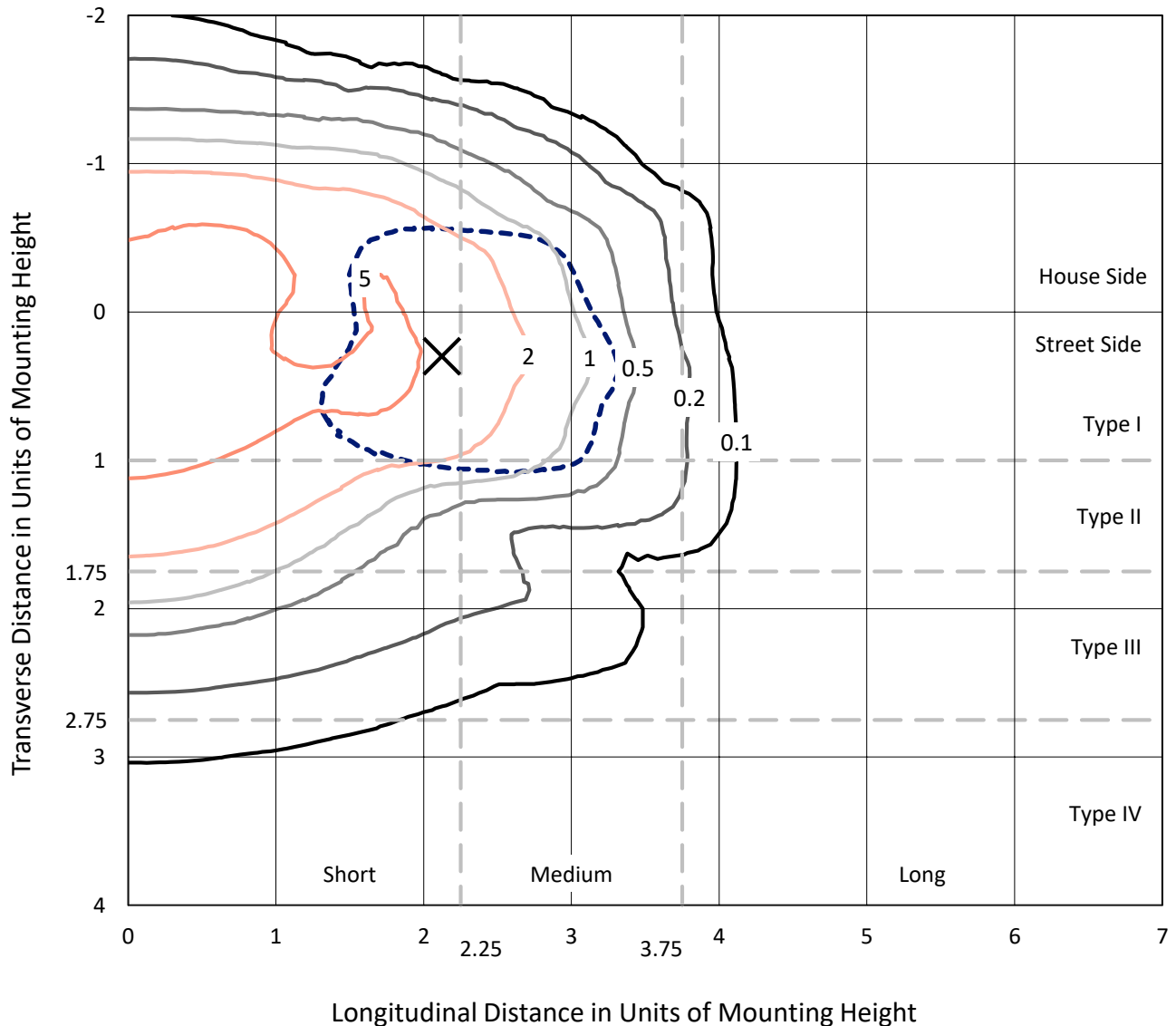
Lumens per Lamp: N/A
Luminaire Lumens: 6173.4 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 52.1
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

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Iso-Footcandle Lines of Horizontal Illumination

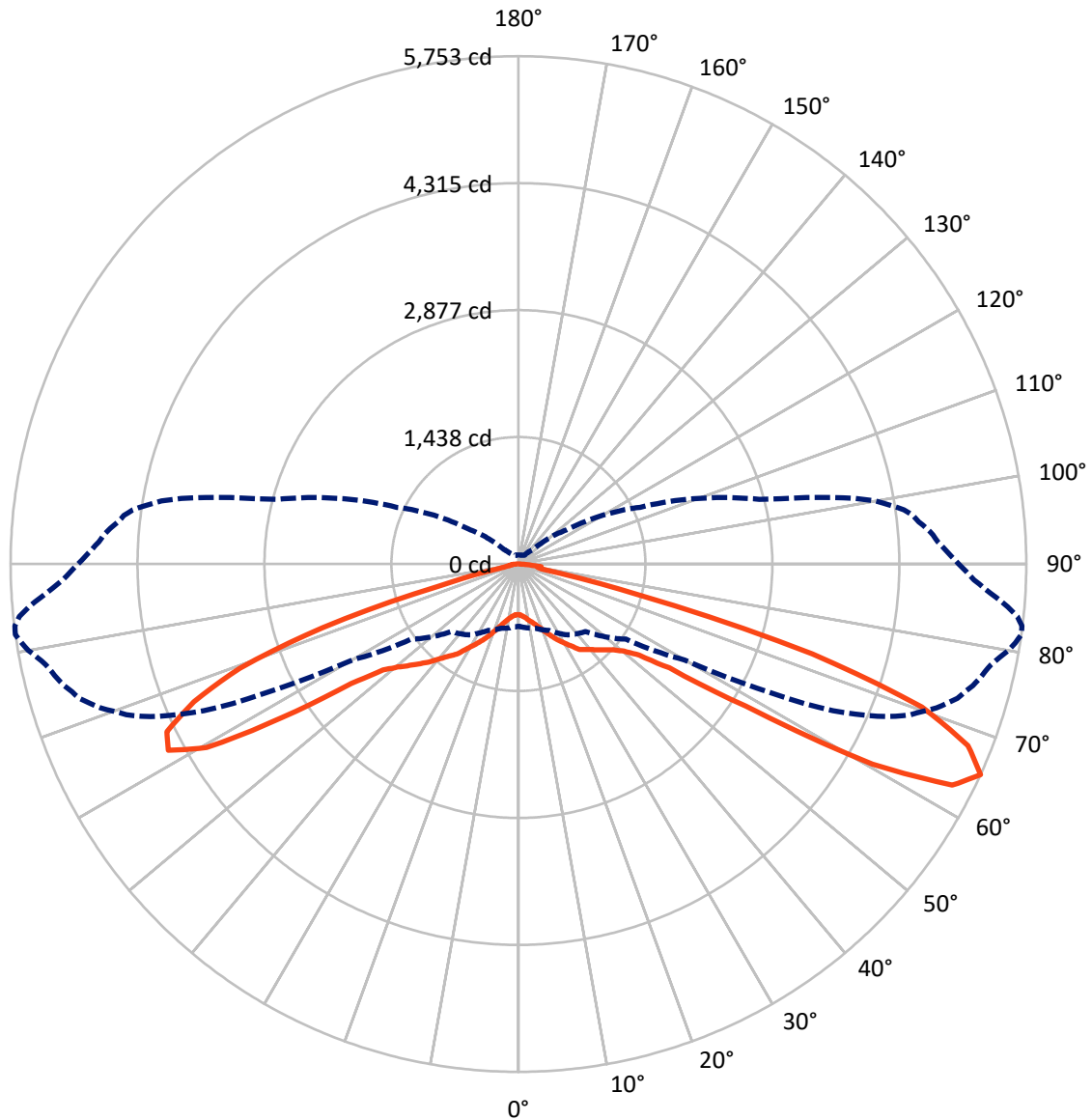
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2298.6	0.0	2298.6
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	3874.9	0.0	3874.9
	% Fixture	62.8	0.0	62.8
Total	Lumens	6173.4	0.0	6173.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	0.9
10°-20°	204.3	3.3
20°-30°	404.9	6.6
30°-40°	694.0	11.2
40°-50°	1042.6	16.9
50°-60°	1448.5	23.5
60°-70°	1652.5	26.8
70°-80°	569.3	9.2
80°-90°	99.2	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°	6173.4	100.0
0°-180°	6173.4	100.0

Coefficient of Utilization



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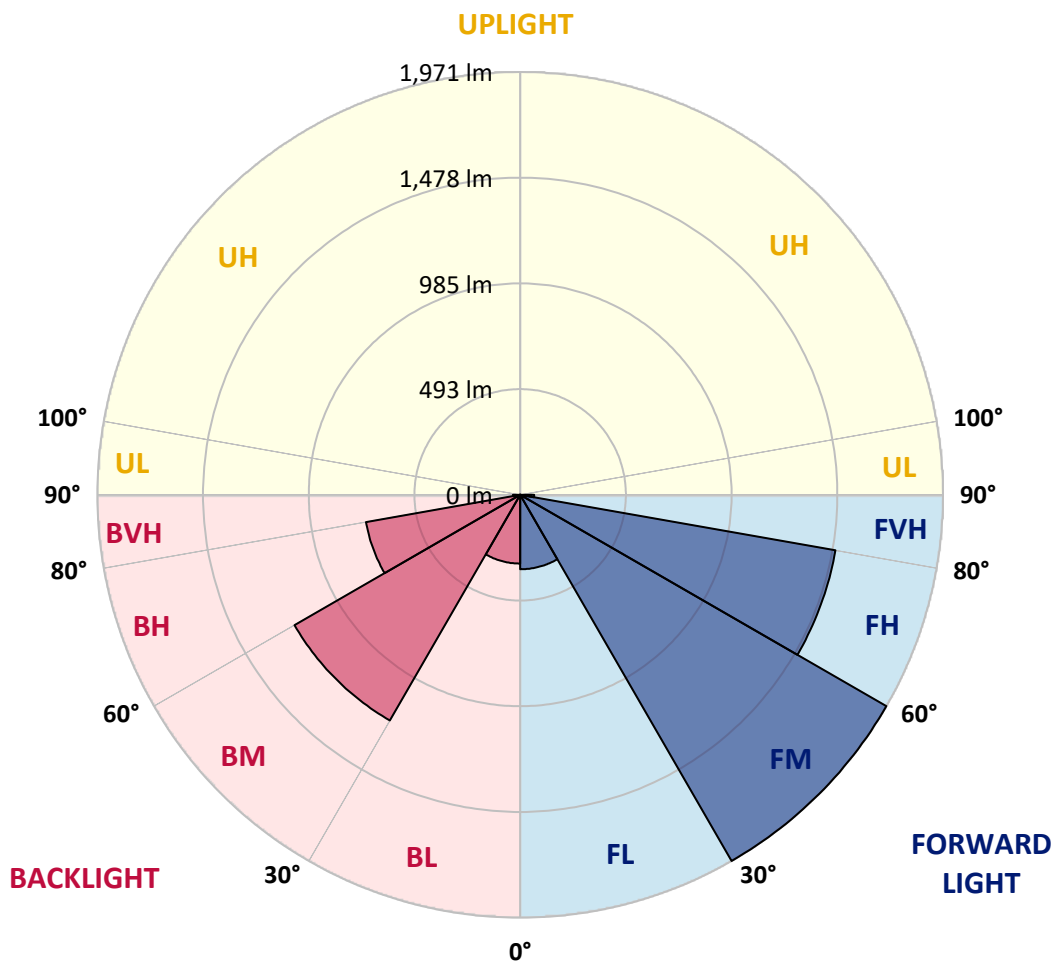
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.8	5.6			
FM	(30°-60°)	1970.7	31.9			
FH	(60°-80°)	1492.0	24.2			G1/1800
FVH	(80°-90°)	65.3	1.1			G1/100
BL	(0°-30°)	320.5	5.2	B1/500		
BM	(30°-60°)	1214.4	19.7	B2/2500		
BH	(60°-80°)	729.7	11.8	B2/1000		G2/1000
BVH	(80°-90°)	33.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4
2.5°	605.6	606.0	605.6	604.4	604.0	600.4	596.4	594.4	594.0	592.4	592.8
5°	643.2	642.0	640.4	638.4	636.4	630.4	623.6	620.0	618.8	617.6	616.0
7.5°	676.8	677.6	676.8	674.0	668.8	661.2	652.4	646.8	646.4	645.2	644.0
10°	720.0	722.0	717.2	712.4	705.2	693.6	683.6	676.4	675.2	673.6	672.8
12.5°	766.8	767.2	765.6	754.8	742.8	726.8	712.4	705.2	703.6	701.6	700.8
15°	816.8	817.2	808.4	798.0	779.6	760.4	740.4	732.4	730.4	730.8	727.6
17.5°	856.4	857.2	848.8	835.6	813.6	790.8	769.2	762.8	761.6	762.0	760.4
20°	873.6	874.8	869.6	859.6	838.8	818.8	803.2	799.2	798.8	798.0	801.2
22.5°	872.8	873.2	871.2	867.2	854.8	843.2	841.2	843.6	843.2	844.0	846.8
25°	865.6	866.8	866.4	868.0	866.0	870.4	879.6	888.0	889.2	890.8	896.0
27.5°	884.0	886.4	883.6	885.2	888.4	903.2	922.0	934.8	937.2	941.6	946.0
30°	956.0	952.8	949.2	945.2	947.2	956.4	977.6	988.8	990.0	993.2	999.2
32.5°	1062.8	1059.2	1056.0	1049.6	1048.0	1044.0	1051.2	1054.0	1053.6	1056.8	1058.4
35°	1183.2	1183.6	1182.8	1187.6	1191.6	1171.2	1146.0	1139.2	1142.0	1138.4	1139.2
37.5°	1286.0	1287.2	1308.4	1334.8	1342.4	1329.6	1274.4	1247.2	1238.0	1236.8	1227.6
40°	1400.0	1400.0	1432.0	1464.4	1485.6	1501.6	1436.0	1388.0	1368.4	1362.8	1340.0
42.5°	1525.2	1518.8	1548.0	1583.6	1622.8	1659.2	1625.2	1571.2	1543.2	1533.2	1493.2
45°	1628.0	1624.0	1638.4	1671.6	1735.2	1806.4	1811.2	1783.6	1766.8	1746.0	1709.2
47.5°	1691.2	1689.2	1697.6	1733.6	1813.2	1928.4	1992.8	2006.8	1996.8	1980.8	1945.2
50°	1716.0	1713.2	1719.2	1759.2	1848.4	2000.4	2142.8	2208.8	2213.6	2217.2	2206.0
52.5°	1707.2	1703.6	1716.0	1749.6	1842.4	2025.6	2260.0	2386.8	2408.0	2426.0	2462.8
55°	1622.8	1617.2	1650.8	1714.0	1816.4	2016.4	2345.6	2558.0	2602.8	2650.8	2732.4
57.5°	1493.6	1488.8	1537.2	1624.0	1770.4	1991.2	2403.2	2774.4	2875.2	2961.6	3193.2
60°	1369.2	1365.2	1393.6	1477.6	1621.2	1868.4	2332.0	2847.2	3016.4	3202.8	3625.6
62.5°	1146.8	1136.0	1174.0	1244.8	1335.6	1545.6	2021.2	2685.2	2946.0	3220.0	3793.2
65°	704.8	720.4	753.2	831.6	980.4	1080.4	1484.4	2172.4	2516.4	2860.0	3603.6
67.5°	447.6	452.0	476.4	530.8	646.0	746.4	899.6	1363.2	1628.4	1966.4	2829.2
70°	383.6	386.4	407.2	464.0	543.6	667.2	680.8	712.0	807.2	1022.4	1663.2
72.5°	302.4	307.2	323.6	372.8	468.8	601.6	840.4	562.8	543.6	561.6	811.6
75°	180.0	185.6	199.2	226.0	301.2	460.0	880.4	654.8	610.4	575.6	560.0
77.5°	95.2	91.2	100.4	116.0	154.8	245.2	661.6	802.4	771.2	729.6	641.2
80°	47.2	48.8	51.6	54.8	69.2	99.6	330.8	830.0	920.0	960.0	881.6
82.5°	18.8	21.2	30.0	32.0	38.0	42.4	106.4	460.0	658.8	893.6	1166.8
85°	9.6	9.2	16.0	19.2	22.4	20.0	37.6	171.6	308.8	481.2	779.6
87.5°	1.2	1.6	3.6	4.8	6.8	6.4	10.8	37.2	59.2	84.0	118.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4
2.5°	590.8	590.4	590.4	588.8	588.8	589.2	588.0	587.2	587.2	587.6	586.0
5°	614.8	613.6	613.6	612.0	610.0	610.0	608.4	608.0	607.2	605.6	604.4
7.5°	642.8	641.6	639.6	638.4	637.6	636.4	634.4	633.6	632.0	630.4	628.8
10°	671.6	670.0	669.2	667.2	666.4	664.0	662.8	663.2	660.0	658.8	659.2
12.5°	700.4	698.8	696.0	695.2	694.8	692.4	691.2	690.4	688.0	687.6	686.4
15°	726.0	726.8	725.6	723.6	722.0	721.6	720.4	719.6	718.0	716.4	714.8
17.5°	759.2	760.4	758.8	756.0	756.0	755.6	756.0	755.6	752.8	754.0	753.2
20°	801.6	802.4	798.4	799.6	800.4	800.0	801.2	802.4	801.6	801.6	802.8
22.5°	850.4	851.6	849.2	850.8	853.2	851.2	854.8	854.4	855.2	856.4	856.8
25°	900.4	902.8	900.8	905.2	903.6	905.2	909.6	908.4	910.4	913.6	914.8
27.5°	950.4	952.0	952.4	955.2	958.0	960.4	966.0	966.0	967.6	973.2	973.2
30°	1002.8	1004.4	1006.0	1010.0	1011.6	1016.0	1021.6	1023.2	1022.4	1030.4	1032.8
32.5°	1063.2	1064.8	1067.6	1072.4	1074.4	1078.8	1078.8	1083.2	1086.4	1093.2	1093.6
35°	1143.6	1144.8	1143.6	1143.2	1146.0	1152.0	1152.4	1158.8	1161.6	1168.4	1170.4
37.5°	1224.0	1223.6	1218.4	1212.8	1213.2	1210.8	1209.2	1212.0	1213.2	1213.6	1218.0
40°	1332.4	1322.0	1314.0	1300.0	1293.6	1283.6	1277.6	1277.2	1270.8	1270.0	1271.2
42.5°	1474.4	1462.4	1443.6	1420.0	1402.0	1383.6	1370.0	1362.0	1348.0	1340.8	1334.8
45°	1672.8	1643.2	1620.8	1592.8	1558.0	1526.0	1492.4	1477.2	1450.4	1434.0	1415.6
47.5°	1915.2	1886.0	1851.6	1822.8	1777.2	1732.8	1686.8	1646.4	1599.6	1562.4	1532.0
50°	2178.4	2161.2	2136.4	2109.6	2050.8	2021.6	1963.6	1908.8	1858.4	1792.0	1734.0
52.5°	2448.4	2458.4	2452.8	2443.2	2406.0	2394.8	2344.8	2278.0	2227.2	2181.6	2080.8
55°	2781.2	2793.2	2817.2	2831.2	2826.8	2855.2	2842.8	2790.8	2770.4	2749.2	2677.6
57.5°	3290.4	3376.0	3467.6	3548.0	3566.8	3667.6	3646.0	3698.0	3734.8	3708.4	3685.2
60°	3833.2	4006.0	4161.6	4324.4	4456.8	4556.0	4687.2	4775.6	4831.2	4931.2	4939.2
62.5°	4052.0	4286.8	4484.4	4673.2	4830.4	4968.0	5086.4	5208.4	5308.4	5398.8	5464.0
65°	3932.0	4177.2	4416.8	4608.4	4759.6	4878.0	5006.8	5103.6	5202.0	5260.0	5328.4
67.5°	3268.8	3593.6	3888.4	4104.4	4311.2	4431.6	4584.0	4679.2	4783.6	4844.8	4888.8
70°	2131.2	2554.0	2956.8	3284.4	3563.6	3704.0	3888.0	4018.0	4143.6	4146.8	4220.0
72.5°	1150.0	1503.6	1840.8	2175.6	2494.0	2680.8	2862.4	3020.4	3145.2	3092.0	3164.8
75°	640.4	806.0	990.4	1191.6	1385.6	1492.4	1628.0	1628.8	1693.2	1592.0	1617.6
77.5°	616.0	608.4	611.2	616.8	626.4	606.0	605.6	593.2	574.0	539.2	545.2
80°	809.2	712.4	642.8	533.6	429.6	350.4	328.4	333.6	349.2	380.4	420.0
82.5°	1170.0	1088.4	971.6	799.6	627.6	484.0	397.6	352.8	350.8	382.0	442.0
85°	852.0	901.2	893.6	746.0	615.2	499.6	363.6	307.2	254.4	242.0	263.2
87.5°	125.6	104.0	117.2	98.0	71.2	55.2	48.4	38.8	37.2	38.0	41.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4
2.5°	586.4	584.8	583.2	584.4	583.2	582.8	581.6	580.8	580.4	580.4	580.4
5°	604.4	602.4	601.2	600.8	599.6	598.4	598.0	596.0	595.6	595.6	594.4
7.5°	628.8	627.2	625.2	624.0	623.2	621.2	619.2	618.8	618.4	616.8	615.6
10°	657.2	654.8	652.4	652.4	650.8	650.4	648.4	645.6	645.2	642.8	642.0
12.5°	684.0	683.2	680.4	679.6	678.4	677.2	676.0	674.8	673.6	671.6	672.4
15°	716.0	714.0	711.6	712.0	711.6	710.0	708.4	707.2	706.4	705.6	705.6
17.5°	754.4	753.6	753.2	751.2	749.6	750.8	750.8	750.8	748.8	749.2	749.6
20°	803.2	804.0	803.2	801.6	801.2	802.4	799.6	804.0	801.6	800.0	800.8
22.5°	857.2	860.0	856.8	857.2	859.2	860.0	857.2	860.8	859.6	857.2	859.2
25°	916.0	918.0	916.4	916.0	917.2	920.0	919.6	919.2	922.0	919.6	920.8
27.5°	976.4	977.6	978.4	979.6	980.4	980.0	981.6	981.6	983.2	980.4	981.6
30°	1036.4	1036.4	1038.0	1039.6	1039.6	1039.6	1042.8	1043.2	1040.8	1041.6	1038.8
32.5°	1100.4	1100.8	1102.4	1102.4	1105.6	1106.0	1109.6	1104.8	1109.6	1105.6	1106.4
35°	1175.6	1180.8	1181.6	1185.6	1188.8	1190.0	1190.0	1190.4	1194.8	1191.6	1192.8
37.5°	1219.6	1220.8	1224.0	1226.0	1226.0	1227.6	1228.8	1227.6	1228.8	1228.4	1229.6
40°	1271.6	1270.4	1274.0	1274.8	1273.2	1275.2	1274.8	1273.6	1276.8	1274.4	1276.0
42.5°	1334.8	1328.0	1327.6	1330.8	1327.6	1329.2	1328.8	1326.0	1330.0	1331.2	1330.0
45°	1402.4	1398.8	1391.6	1391.6	1388.4	1387.2	1387.6	1387.2	1387.6	1392.4	1394.0
47.5°	1512.4	1490.4	1478.0	1466.4	1456.8	1456.4	1452.0	1454.4	1457.6	1465.6	1472.8
50°	1696.8	1646.0	1614.8	1586.0	1565.2	1558.0	1549.6	1548.8	1551.6	1560.8	1573.2
52.5°	2025.6	1955.2	1888.8	1827.2	1773.6	1732.4	1712.0	1701.2	1697.2	1706.4	1718.4
55°	2627.2	2494.4	2400.8	2338.4	2205.2	2148.8	2076.4	2043.2	2010.8	2014.0	2034.4
57.5°	3655.2	3583.6	3505.2	3396.0	3314.4	3216.0	3035.2	2934.4	2938.8	2962.4	2888.8
60°	5002.4	4930.0	4897.6	4798.4	4741.6	4702.0	4606.0	4438.8	4379.6	4368.4	4233.2
62.5°	5514.0	5531.2	5556.8	5584.8	5583.2	5600.4	5516.4	5462.0	5393.6	5304.8	5171.2
65°	5380.4	5424.0	5476.0	5551.2	5636.8	5700.0	5753.2	5746.8	5682.8	5564.4	5423.2
67.5°	4928.0	4971.2	5009.2	5110.0	5250.4	5378.8	5492.4	5569.6	5526.8	5428.8	5264.0
70°	4248.0	4279.2	4303.2	4390.8	4544.8	4701.6	4850.0	4979.6	4966.4	4847.6	4716.0
72.5°	3078.0	3153.6	3194.4	3188.4	3283.6	3459.2	3480.0	3590.8	3621.6	3493.6	3284.0
75°	1499.6	1500.8	1453.6	1438.0	1442.8	1473.2	1415.2	1418.8	1398.8	1308.0	1233.2
77.5°	524.0	509.6	475.2	434.4	376.0	321.2	265.6	241.6	233.6	210.0	193.6
80°	451.6	472.8	466.0	432.4	370.8	295.6	220.8	163.6	139.6	131.2	123.2
82.5°	512.8	594.4	646.4	643.6	559.2	420.0	262.0	150.4	107.2	94.0	86.4
85°	286.0	307.6	313.6	285.6	237.2	162.0	90.4	63.6	54.0	49.2	44.4
87.5°	45.6	41.6	40.8	35.6	33.6	30.8	27.2	25.6	23.6	22.4	22.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VTS-E02-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4
2.5°	580.0	579.6	578.4	577.2	576.4	576.0	575.6	574.8	574.4	574.0	573.2
5°	593.6	592.8	590.8	588.8	588.0	586.8	585.6	584.8	584.0	583.6	582.0
7.5°	614.8	614.0	611.6	610.0	609.6	606.4	606.0	604.8	602.8	602.4	600.0
10°	640.4	640.0	638.0	636.8	636.0	634.4	632.0	630.0	628.0	628.0	626.4
12.5°	670.0	668.4	669.6	666.8	666.0	664.4	663.2	662.8	660.4	658.4	658.0
15°	704.8	702.8	702.8	702.0	701.2	699.6	699.2	699.6	697.2	698.0	695.6
17.5°	748.0	748.8	748.4	748.4	746.4	746.4	743.2	747.2	744.4	746.4	745.6
20°	802.0	802.4	801.6	802.8	803.6	803.2	802.8	802.4	803.6	805.2	804.0
22.5°	859.6	859.6	859.2	863.6	858.8	862.4	863.6	861.2	867.6	866.8	868.0
25°	922.0	922.0	925.2	928.8	929.6	926.8	928.4	926.4	930.4	933.6	934.4
27.5°	980.0	985.2	987.6	985.2	987.2	991.6	991.2	991.2	994.0	993.2	1000.8
30°	1039.6	1042.8	1046.0	1044.4	1045.2	1050.8	1051.2	1051.6	1055.2	1060.4	1066.0
32.5°	1107.6	1110.8	1109.2	1114.4	1114.0	1120.8	1122.0	1123.2	1134.4	1132.4	1144.0
35°	1191.2	1194.4	1192.8	1198.4	1197.6	1200.0	1204.4	1209.2	1211.2	1222.8	1232.0
37.5°	1230.4	1230.4	1234.0	1240.4	1242.8	1246.8	1253.6	1259.6	1269.6	1282.0	1296.4
40°	1277.6	1278.8	1283.6	1290.4	1294.8	1304.0	1316.4	1324.8	1340.0	1353.6	1370.4
42.5°	1334.8	1340.0	1345.6	1354.8	1364.4	1378.8	1396.4	1407.2	1427.2	1444.8	1465.6
45°	1401.6	1406.8	1420.0	1436.8	1450.8	1466.8	1481.2	1506.8	1524.8	1543.2	1561.2
47.5°	1482.4	1497.6	1508.4	1528.4	1545.6	1566.8	1584.8	1608.8	1628.4	1650.8	1666.0
50°	1586.0	1604.8	1618.8	1644.8	1661.6	1685.2	1708.0	1726.0	1746.0	1768.0	1780.4
52.5°	1734.8	1754.0	1771.6	1804.0	1824.8	1840.8	1871.2	1893.6	1912.0	1928.0	1941.6
55°	2057.2	2051.6	2100.4	2163.2	2170.4	2228.4	2239.2	2258.0	2292.0	2296.8	2334.8
57.5°	2978.4	2949.6	3020.4	3112.4	3096.4	3067.2	3189.2	3196.8	3179.6	3225.6	3173.6
60°	4253.2	4202.8	4222.0	4247.2	4210.8	4193.6	4199.6	4216.8	4200.0	4181.6	4131.2
62.5°	5104.4	5026.8	4971.2	4924.4	4865.2	4822.4	4774.4	4715.2	4699.2	4632.0	4575.6
65°	5286.0	5165.2	5077.2	4988.8	4907.2	4831.6	4759.2	4708.4	4641.2	4561.6	4502.8
67.5°	5086.4	4936.8	4808.0	4679.6	4587.2	4476.0	4421.6	4338.8	4256.0	4164.8	4110.8
70°	4506.4	4350.4	4188.4	4062.8	3937.2	3799.6	3772.8	3674.8	3627.2	3502.8	3481.2
72.5°	3110.4	3006.4	2934.0	2778.8	2702.4	2632.0	2609.6	2518.8	2528.4	2392.0	2441.6
75°	1106.0	1091.2	1070.0	982.4	966.8	939.6	932.4	926.0	990.8	900.8	966.0
77.5°	190.0	188.8	178.0	172.8	182.8	176.4	178.0	174.8	193.6	196.4	192.0
80°	118.0	114.8	111.2	108.8	109.2	106.8	107.2	108.0	109.2	108.8	110.0
82.5°	80.8	78.0	76.4	74.8	77.2	78.0	80.0	82.0	85.2	87.2	89.6
85°	44.0	40.4	40.4	40.0	43.2	45.6	48.8	52.8	58.4	63.2	68.4
87.5°	22.4	21.6	22.0	22.8	25.6	27.6	31.6	35.2	40.0	45.2	50.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4	574.4
2.5°	572.8	572.8	572.4	572.4	572.0	571.6	571.2	570.0	565.6	561.6	558.8
5°	581.6	580.4	580.0	578.8	578.4	577.6	576.4	575.2	567.2	560.0	554.8
7.5°	599.6	598.0	597.2	596.0	594.8	593.2	591.6	590.4	580.8	572.4	566.0
10°	623.2	622.4	622.0	620.4	620.4	618.0	617.6	614.8	604.4	596.8	591.2
12.5°	656.0	654.4	654.0	652.0	652.8	652.0	651.2	649.6	642.0	633.2	625.6
15°	696.8	696.8	694.8	693.2	693.6	692.8	694.4	692.4	687.6	679.6	667.2
17.5°	746.0	745.2	746.0	744.8	745.6	746.4	744.4	744.8	742.4	732.4	714.0
20°	803.2	802.0	806.8	804.8	809.2	805.2	806.0	807.2	807.2	794.0	769.2
22.5°	868.8	868.0	868.0	872.0	873.6	874.0	875.6	876.8	880.0	863.2	823.6
25°	934.4	937.2	937.6	942.8	945.2	945.2	946.4	950.8	960.4	937.2	886.0
27.5°	1001.2	1008.0	1009.6	1013.2	1016.8	1020.4	1023.2	1026.4	1042.0	1016.8	950.0
30°	1068.0	1075.6	1081.2	1085.2	1089.6	1098.4	1100.0	1106.4	1132.4	1101.6	1010.8
32.5°	1146.4	1157.2	1164.4	1169.6	1176.4	1184.8	1189.6	1197.6	1222.8	1172.4	1055.2
35°	1240.0	1246.4	1256.8	1265.6	1269.6	1284.0	1291.6	1293.6	1312.8	1233.6	1088.0
37.5°	1304.8	1315.6	1333.6	1346.0	1353.2	1361.2	1374.0	1382.4	1400.8	1289.2	1104.4
40°	1387.2	1403.6	1418.0	1436.4	1448.0	1454.0	1466.8	1473.6	1476.0	1336.8	1099.2
42.5°	1487.6	1502.4	1521.6	1536.4	1545.2	1552.0	1562.4	1565.2	1534.0	1359.2	1071.2
45°	1582.0	1604.8	1621.2	1632.0	1638.4	1642.0	1648.4	1648.8	1582.0	1348.0	1023.2
47.5°	1683.6	1700.0	1715.2	1722.8	1722.0	1722.8	1720.4	1718.8	1606.0	1309.2	961.6
50°	1796.0	1806.8	1813.2	1816.8	1818.8	1811.2	1800.4	1793.2	1608.0	1254.0	899.2
52.5°	1946.8	1960.4	1959.2	1958.8	1942.8	1935.6	1906.8	1892.0	1596.4	1189.2	828.8
55°	2328.8	2315.6	2289.6	2302.4	2237.2	2203.2	2158.4	2116.8	1611.6	1127.6	747.2
57.5°	3194.4	3199.6	3125.6	3086.0	2976.0	2838.4	2727.6	2620.0	1748.4	1090.0	640.8
60°	4097.6	4029.6	3935.6	3792.4	3650.8	3446.4	3249.2	3062.8	1884.8	1050.8	514.8
62.5°	4492.0	4395.2	4253.2	4068.0	3845.6	3595.6	3350.0	3122.8	1818.8	924.0	374.4
65°	4412.0	4264.0	4107.2	3890.4	3620.0	3346.0	3059.2	2827.2	1521.6	689.2	230.8
67.5°	3993.6	3868.0	3702.4	3445.2	3156.0	2870.8	2608.0	2348.0	1130.4	429.6	129.2
70°	3370.8	3248.0	3080.0	2816.8	2528.0	2255.2	1976.8	1764.8	720.4	207.2	93.2
72.5°	2338.4	2238.8	2120.0	1932.4	1679.2	1431.2	1242.8	1080.0	399.2	110.0	85.2
75°	949.6	950.0	928.4	849.2	717.6	618.8	527.6	447.6	166.8	93.6	84.0
77.5°	215.2	218.8	239.2	226.8	204.4	191.2	171.2	151.2	101.6	96.4	84.8
80°	108.8	109.2	108.0	108.4	107.2	107.6	106.0	104.8	95.2	99.2	84.8
82.5°	90.8	92.8	92.4	92.4	92.8	92.8	92.8	92.4	98.8	104.4	82.0
85°	72.0	76.0	79.2	82.4	86.0	88.4	89.6	90.8	96.0	102.8	74.4
87.5°	54.4	59.2	63.2	66.4	72.0	72.0	76.0	78.8	78.8	80.4	39.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VTS-E02-LED-E1-T2

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	574.4	574.4	574.4	574.4	574.4
2.5°	554.8	553.2	551.6	550.8	549.2
5°	550.8	547.6	545.6	545.6	544.0
7.5°	562.4	561.2	558.4	556.8	558.4
10°	587.2	585.2	582.0	579.6	580.8
12.5°	620.4	612.4	606.0	603.2	601.2
15°	654.8	638.8	626.0	618.8	616.8
17.5°	691.6	663.6	644.4	633.6	631.6
20°	729.2	694.4	667.2	653.2	652.8
22.5°	774.4	728.0	693.2	674.8	673.6
25°	822.0	758.0	712.0	688.4	686.0
27.5°	863.2	782.0	723.6	695.6	693.2
30°	897.6	800.0	733.2	700.8	697.6
32.5°	922.4	810.4	737.2	702.4	698.8
35°	930.4	806.4	726.0	688.0	684.0
37.5°	919.6	780.4	694.8	652.8	648.0
40°	887.2	734.8	644.0	600.8	594.8
42.5°	837.6	678.8	582.8	541.6	534.0
45°	776.4	615.6	522.0	476.0	472.4
47.5°	712.4	549.2	453.6	412.0	407.6
50°	643.2	472.4	386.8	341.6	341.6
52.5°	560.8	397.6	309.2	275.2	272.4
55°	466.0	313.2	246.4	220.4	216.8
57.5°	364.0	240.8	196.8	181.6	177.6
60°	267.6	180.8	158.4	150.0	148.4
62.5°	181.6	137.6	127.6	124.0	123.6
65°	122.8	107.2	104.4	103.2	103.6
67.5°	94.4	89.2	88.0	87.6	87.6
70°	82.0	78.8	77.6	78.0	77.6
72.5°	77.2	72.8	73.2	74.0	73.6
75°	75.6	70.0	71.6	72.0	70.4
77.5°	74.4	66.8	70.8	72.0	67.6
80°	72.0	64.0	73.6	74.0	66.4
82.5°	66.0	56.8	73.6	68.0	60.0
85°	56.0	43.2	83.2	59.2	44.4
87.5°	35.6	25.6	56.4	40.4	26.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)