

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: P159191

Luminaire Tested: **VTS-E02-LED-E1-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159191
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-T2-7050
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

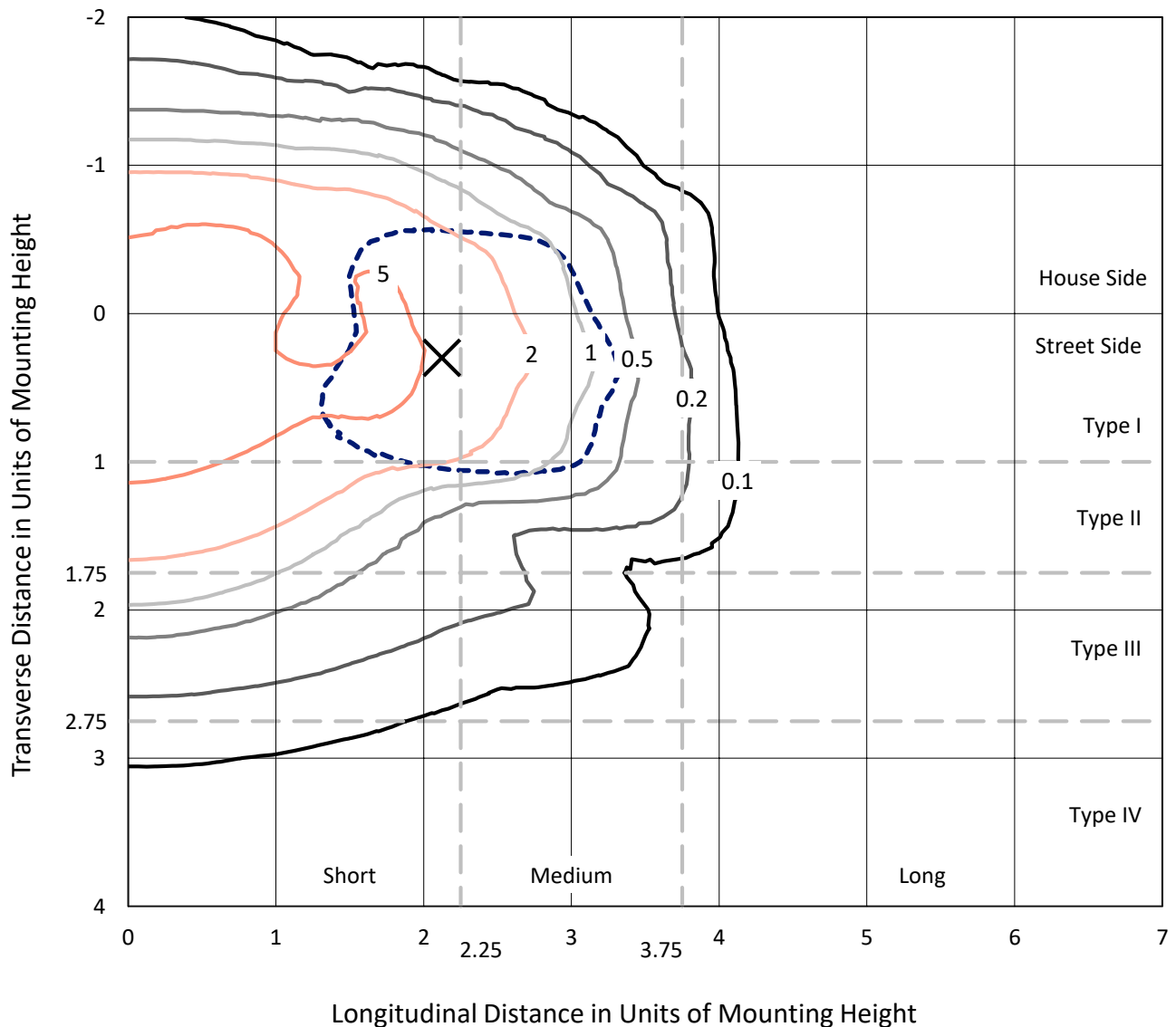
Lumens per Lamp: N/A
Luminaire Lumens: 6334.6 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

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

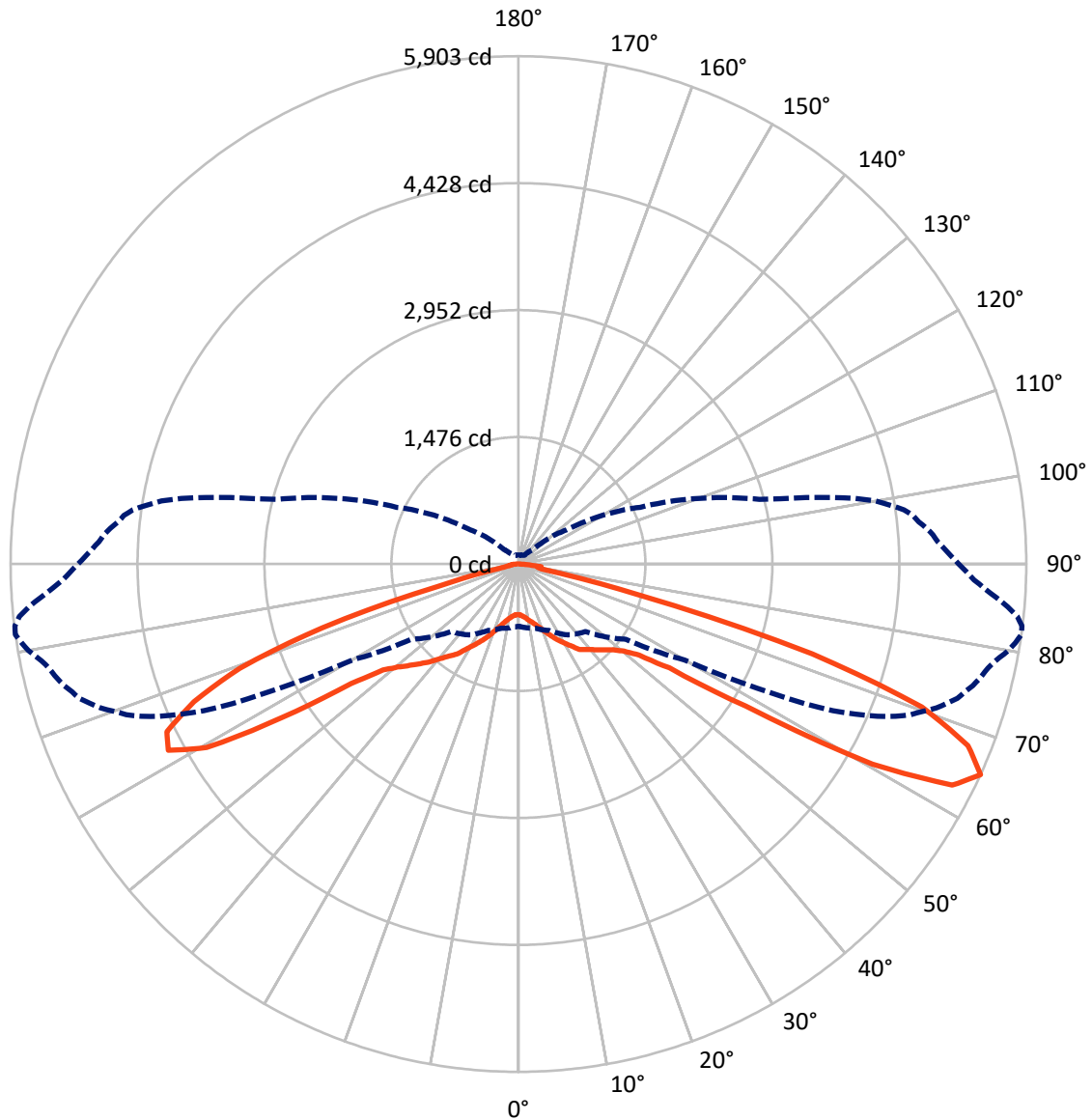


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - Semi-Cutoff

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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	2358.6	0.0	2358.6
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	3976.0	0.0	3976.0
	% Fixture	62.8	0.0	62.8
Total	Lumens	6334.6	0.0	6334.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	0.9
10°-20°	209.7	3.3
20°-30°	415.4	6.6
30°-40°	712.1	11.2
40°-50°	1069.8	16.9
50°-60°	1486.3	23.5
60°-70°	1695.6	26.8
70°-80°	584.1	9.2
80°-90°	101.8	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°	6334.6	100.0
0°-180°	6334.6	100.0



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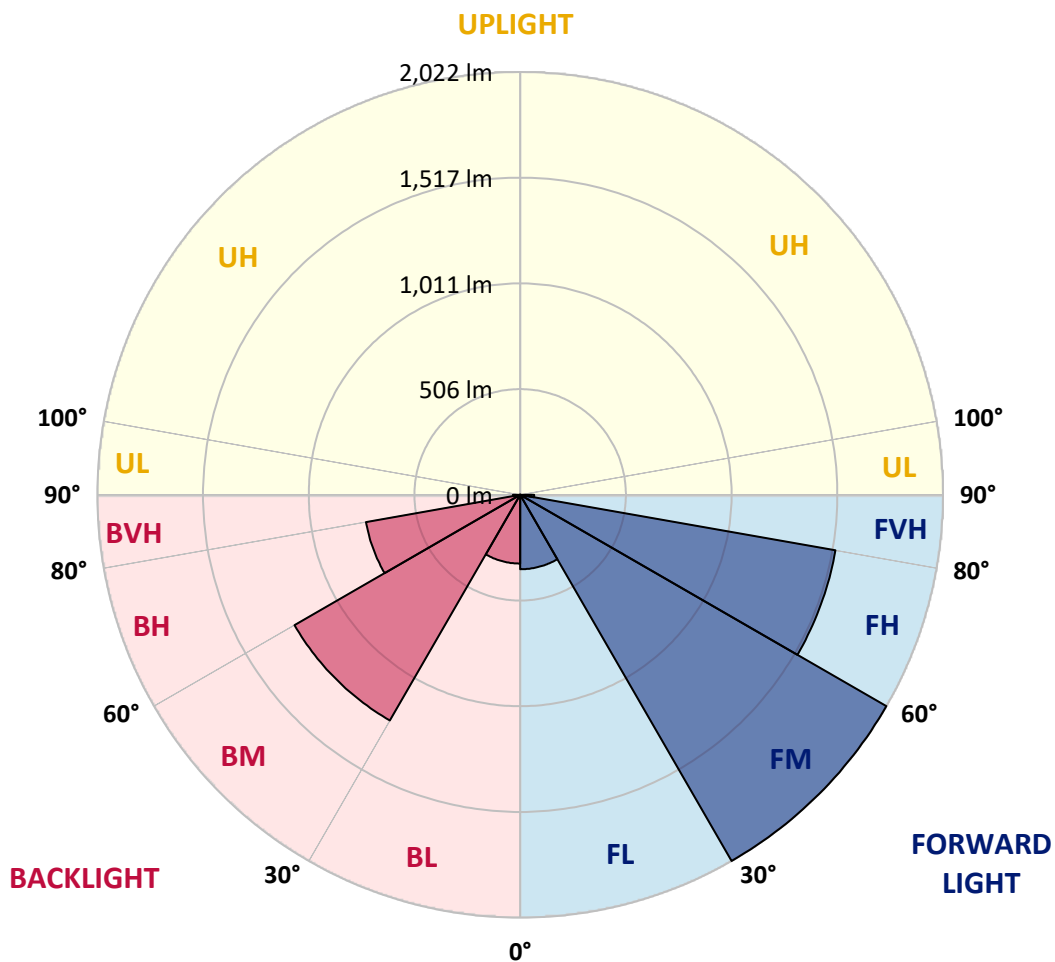
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.9	5.6			
FM	(30°-60°)	2022.1	31.9			
FH	(60°-80°)	1531.0	24.2			G1/1800
FVH	(80°-90°)	67.0	1.1			G1/100
BL	(0°-30°)	328.9	5.2	B1/500		
BM	(30°-60°)	1246.1	19.7	B2/2500		
BH	(60°-80°)	748.8	11.8	B2/1000		G2/1000
BVH	(80°-90°)	34.8	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°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	621.4	621.8	621.4	620.2	619.8	616.1	612.0	609.9	609.5	607.9	608.3
5°	660.0	658.8	657.1	655.1	653.0	646.9	639.9	636.2	635.0	633.7	632.1
7.5°	694.5	695.3	694.5	691.6	686.3	678.5	669.4	663.7	663.3	662.0	660.8
10°	738.8	740.8	735.9	731.0	723.6	711.7	701.4	694.1	692.8	691.2	690.4
12.5°	786.8	787.2	785.6	774.5	762.2	745.8	731.0	723.6	722.0	719.9	719.1
15°	838.1	838.5	829.5	818.8	800.0	780.3	759.7	751.5	749.5	749.9	746.6
17.5°	878.8	879.6	871.0	857.4	834.8	811.4	789.3	782.7	781.5	781.9	780.3
20°	896.4	897.6	892.3	882.0	860.7	840.2	824.2	820.1	819.7	818.8	822.1
22.5°	895.6	896.0	893.9	889.8	877.1	865.2	863.2	865.6	865.2	866.0	868.9
25°	888.2	889.4	889.0	890.7	888.6	893.1	902.6	911.2	912.4	914.1	919.4
27.5°	907.1	909.5	906.7	908.3	911.6	926.8	946.1	959.2	961.7	966.2	970.7
30°	981.0	977.7	974.0	969.9	971.9	981.4	1003.1	1014.6	1015.8	1019.1	1025.3
32.5°	1090.5	1086.9	1083.6	1077.0	1075.4	1071.3	1078.6	1081.5	1081.1	1084.4	1086.0
35°	1214.1	1214.5	1213.7	1218.6	1222.7	1201.8	1175.9	1168.9	1171.8	1168.1	1168.9
37.5°	1319.6	1320.8	1342.6	1369.6	1377.4	1364.3	1307.7	1279.8	1270.3	1269.1	1259.6
40°	1436.5	1436.5	1469.4	1502.6	1524.4	1540.8	1473.5	1424.2	1404.1	1398.4	1375.0
42.5°	1565.0	1558.4	1588.4	1624.9	1665.2	1702.5	1667.6	1612.2	1583.5	1573.2	1532.2
45°	1670.5	1666.4	1681.2	1715.2	1780.5	1853.6	1858.5	1830.2	1812.9	1791.6	1753.8
47.5°	1735.3	1733.3	1741.9	1778.9	1860.5	1978.7	2044.8	2059.2	2048.9	2032.5	1996.0
50°	1760.8	1757.9	1764.1	1805.1	1896.7	2052.6	2198.7	2266.5	2271.4	2275.1	2263.6
52.5°	1751.8	1748.1	1760.8	1795.3	1890.5	2078.5	2319.0	2449.1	2470.9	2489.3	2527.1
55°	1665.2	1659.4	1693.9	1758.7	1863.8	2069.0	2406.8	2624.8	2670.7	2720.0	2803.7
57.5°	1532.6	1527.7	1577.3	1666.4	1816.6	2043.2	2465.9	2846.8	2950.3	3038.9	3276.6
60°	1404.9	1400.8	1430.0	1516.2	1663.5	1917.2	2392.9	2921.5	3095.1	3286.4	3720.2
62.5°	1176.7	1165.7	1204.6	1277.3	1370.5	1585.9	2074.0	2755.3	3022.9	3304.1	3892.2
65°	723.2	739.2	772.9	853.3	1006.0	1108.6	1523.2	2229.1	2582.1	2934.7	3697.7
67.5°	459.3	463.8	488.8	544.7	662.9	765.9	923.1	1398.8	1670.9	2017.7	2903.1
70°	393.6	396.5	417.8	476.1	557.8	684.6	698.6	730.6	828.3	1049.1	1706.6
72.5°	310.3	315.2	332.0	382.5	481.0	617.3	862.3	577.5	557.8	576.3	832.8
75°	184.7	190.4	204.4	231.9	309.1	472.0	903.4	671.9	626.3	590.6	574.6
77.5°	97.7	93.6	103.0	119.0	158.8	251.6	678.9	823.3	791.3	748.6	657.9
80°	48.4	50.1	52.9	56.2	71.0	102.2	339.4	851.7	944.0	985.1	904.6
82.5°	19.3	21.8	30.8	32.8	39.0	43.5	109.2	472.0	676.0	916.9	1197.3
85°	9.9	9.4	16.4	19.7	23.0	20.5	38.6	176.1	316.9	493.8	800.0
87.5°	1.2	1.6	3.7	4.9	7.0	6.6	11.1	38.2	60.7	86.2	121.1
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°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	606.2	605.8	605.8	604.2	604.2	604.6	603.4	602.5	602.5	602.9	601.3
5°	630.8	629.6	629.6	628.0	625.9	625.9	624.3	623.9	623.1	621.4	620.2
7.5°	659.6	658.3	656.3	655.1	654.2	653.0	651.0	650.1	648.5	646.9	645.2
10°	689.1	687.5	686.7	684.6	683.8	681.3	680.1	680.5	677.2	676.0	676.4
12.5°	718.7	717.0	714.2	713.3	712.9	710.5	709.2	708.4	706.0	705.6	704.3
15°	745.0	745.8	744.5	742.5	740.8	740.4	739.2	738.4	736.7	735.1	733.5
17.5°	779.0	780.3	778.6	775.7	775.7	775.3	775.7	775.3	772.5	773.7	772.9
20°	822.5	823.3	819.2	820.5	821.3	820.9	822.1	823.3	822.5	822.5	823.8
22.5°	872.6	873.8	871.4	873.0	875.5	873.4	877.1	876.7	877.5	878.8	879.2
25°	923.9	926.4	924.3	928.8	927.2	928.8	933.3	932.1	934.2	937.4	938.7
27.5°	975.2	976.9	977.3	980.1	983.0	985.5	991.2	991.2	992.9	998.6	998.6
30°	1029.0	1030.6	1032.3	1036.4	1038.0	1042.5	1048.3	1049.9	1049.1	1057.3	1059.8
32.5°	1091.0	1092.6	1095.5	1100.4	1102.4	1107.0	1107.0	1111.5	1114.8	1121.7	1122.1
35°	1173.5	1174.7	1173.5	1173.0	1175.9	1182.1	1182.5	1189.1	1191.9	1198.9	1201.0
37.5°	1256.0	1255.5	1250.2	1244.5	1244.9	1242.4	1240.8	1243.6	1244.9	1245.3	1249.8
40°	1367.2	1356.5	1348.3	1333.9	1327.4	1317.1	1311.0	1310.5	1304.0	1303.2	1304.4
42.5°	1512.9	1500.6	1481.3	1457.1	1438.6	1419.7	1405.8	1397.6	1383.2	1375.8	1369.6
45°	1716.5	1686.1	1663.1	1634.4	1598.7	1565.8	1531.4	1515.8	1488.3	1471.4	1452.6
47.5°	1965.2	1935.2	1899.9	1870.4	1823.6	1778.0	1730.8	1689.4	1641.4	1603.2	1572.0
50°	2235.3	2217.6	2192.2	2164.7	2104.3	2074.4	2014.9	1958.6	1906.9	1838.8	1779.3
52.5°	2512.3	2522.6	2516.8	2507.0	2468.8	2457.3	2406.0	2337.5	2285.3	2238.6	2135.1
55°	2853.8	2866.1	2890.7	2905.1	2900.6	2929.7	2917.0	2863.7	2842.7	2821.0	2747.5
57.5°	3376.3	3464.1	3558.1	3640.6	3659.9	3763.3	3741.2	3794.5	3832.3	3805.2	3781.4
60°	3933.3	4110.6	4270.2	4437.3	4573.1	4674.9	4809.6	4900.3	4957.3	5059.9	5068.1
62.5°	4157.8	4398.7	4601.5	4795.2	4956.5	5097.7	5219.2	5344.4	5447.0	5539.7	5606.6
65°	4034.6	4286.2	4532.1	4728.7	4883.9	5005.3	5137.5	5236.8	5337.8	5397.3	5467.5
67.5°	3354.1	3687.4	3989.9	4211.5	4423.7	4547.3	4703.7	4801.4	4908.5	4971.3	5016.4
70°	2186.8	2620.7	3034.0	3370.1	3656.6	3800.7	3989.5	4122.9	4251.8	4255.1	4330.2
72.5°	1180.0	1542.9	1888.9	2232.4	2559.1	2750.8	2937.1	3099.2	3227.3	3172.7	3247.4
75°	657.1	827.0	1016.3	1222.7	1421.8	1531.4	1670.5	1671.3	1737.4	1633.6	1659.8
77.5°	632.1	624.3	627.2	632.9	642.8	621.8	621.4	608.7	589.0	553.3	559.4
80°	830.3	731.0	659.6	547.5	440.8	359.5	337.0	342.3	358.3	390.3	431.0
82.5°	1200.5	1116.8	997.0	820.5	644.0	496.6	408.0	362.0	360.0	392.0	453.5
85°	874.2	924.7	916.9	765.5	631.3	512.6	373.1	315.2	261.0	248.3	270.1
87.5°	128.9	106.7	120.3	100.6	73.1	56.6	49.7	39.8	38.2	39.0	42.7
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°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	601.7	600.1	598.4	599.7	598.4	598.0	596.8	596.0	595.6	595.6	595.6
5°	620.2	618.1	616.9	616.5	615.3	614.0	613.6	611.6	611.1	611.1	609.9
7.5°	645.2	643.6	641.5	640.3	639.5	637.4	635.4	635.0	634.5	632.9	631.7
10°	674.4	671.9	669.4	669.4	667.8	667.4	665.3	662.5	662.0	659.6	658.8
12.5°	701.9	701.0	698.2	697.3	696.1	694.9	693.6	692.4	691.2	689.1	690.0
15°	734.7	732.6	730.2	730.6	730.2	728.5	726.9	725.7	724.8	724.0	724.0
17.5°	774.1	773.3	772.9	770.8	769.2	770.4	770.4	770.4	768.3	768.8	769.2
20°	824.2	825.0	824.2	822.5	822.1	823.3	820.5	825.0	822.5	820.9	821.7
22.5°	879.6	882.5	879.2	879.6	881.6	882.5	879.6	883.3	882.0	879.6	881.6
25°	939.9	942.0	940.3	939.9	941.1	944.0	943.6	943.2	946.1	943.6	944.8
27.5°	1001.9	1003.1	1003.9	1005.2	1006.0	1005.6	1007.2	1007.2	1008.9	1006.0	1007.2
30°	1063.5	1063.5	1065.1	1066.7	1066.7	1066.7	1070.0	1070.4	1068.0	1068.8	1065.9
32.5°	1129.1	1129.5	1131.2	1131.2	1134.5	1134.9	1138.6	1133.6	1138.6	1134.5	1135.3
35°	1206.3	1211.6	1212.4	1216.6	1219.8	1221.1	1221.1	1221.5	1226.0	1222.7	1223.9
37.5°	1251.4	1252.7	1256.0	1258.0	1258.0	1259.6	1260.9	1259.6	1260.9	1260.5	1261.7
40°	1304.8	1303.6	1307.3	1308.1	1306.4	1308.5	1308.1	1306.8	1310.1	1307.7	1309.3
42.5°	1369.6	1362.7	1362.3	1365.5	1362.3	1363.9	1363.5	1360.6	1364.7	1366.0	1364.7
45°	1439.0	1435.3	1427.9	1427.9	1424.6	1423.4	1423.8	1423.4	1423.8	1428.7	1430.4
47.5°	1551.9	1529.3	1516.6	1504.7	1494.8	1494.4	1489.9	1492.4	1495.7	1503.9	1511.2
50°	1741.1	1689.0	1657.0	1627.4	1606.1	1598.7	1590.1	1589.2	1592.1	1601.5	1614.3
52.5°	2078.5	2006.2	1938.1	1874.9	1819.9	1777.6	1756.7	1745.6	1741.5	1750.9	1763.3
55°	2695.8	2559.5	2463.5	2399.4	2262.8	2204.9	2130.6	2096.5	2063.3	2066.6	2087.5
57.5°	3750.6	3677.2	3596.7	3484.7	3400.9	3300.0	3114.4	3011.0	3015.5	3039.7	2964.2
60°	5133.0	5058.7	5025.5	4923.7	4865.4	4824.7	4726.2	4554.7	4493.9	4482.4	4343.7
62.5°	5657.9	5675.6	5701.9	5730.6	5729.0	5746.6	5660.4	5604.6	5534.4	5443.3	5306.2
65°	5520.9	5565.6	5619.0	5696.1	5784.0	5848.8	5903.4	5896.8	5831.2	5709.7	5564.8
67.5°	5056.6	5101.0	5140.0	5243.4	5387.5	5519.2	5635.8	5715.0	5671.1	5570.5	5401.4
70°	4358.9	4390.9	4415.5	4505.4	4663.4	4824.3	4976.6	5109.6	5096.1	4974.1	4839.1
72.5°	3158.4	3235.9	3277.8	3271.6	3369.3	3549.5	3570.8	3684.5	3716.1	3584.8	3369.7
75°	1538.7	1540.0	1491.5	1475.5	1480.5	1511.7	1452.1	1455.8	1435.3	1342.1	1265.4
77.5°	537.7	522.9	487.6	445.7	385.8	329.6	272.5	247.9	239.7	215.5	198.7
80°	463.4	485.1	478.2	443.7	380.5	303.3	226.6	167.9	143.2	134.6	126.4
82.5°	526.2	609.9	663.3	660.4	573.8	431.0	268.8	154.3	110.0	96.5	88.7
85°	293.5	315.6	321.8	293.1	243.4	166.2	92.8	65.3	55.4	50.5	45.6
87.5°	46.8	42.7	41.9	36.5	34.5	31.6	27.9	26.3	24.2	23.0	23.0
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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CATALOG NUMBER: VTS-E02-LED-E1-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	595.1	594.7	593.5	592.3	591.4	591.0	590.6	589.8	589.4	589.0	588.2
5°	609.1	608.3	606.2	604.2	603.4	602.1	600.9	600.1	599.2	598.8	597.2
7.5°	630.8	630.0	627.6	625.9	625.5	622.2	621.8	620.6	618.5	618.1	615.7
10°	657.1	656.7	654.7	653.4	652.6	651.0	648.5	646.4	644.4	644.4	642.8
12.5°	687.5	685.8	687.1	684.2	683.4	681.7	680.5	680.1	677.6	675.6	675.2
15°	723.2	721.1	721.1	720.3	719.5	717.9	717.5	717.9	715.4	716.2	713.8
17.5°	767.5	768.3	767.9	767.9	765.9	765.9	762.6	766.7	763.8	765.9	765.1
20°	822.9	823.3	822.5	823.8	824.6	824.2	823.8	823.3	824.6	826.2	825.0
22.5°	882.0	882.0	881.6	886.1	881.2	884.9	886.1	883.7	890.2	889.4	890.7
25°	946.1	946.1	949.4	953.0	953.9	951.0	952.6	950.6	954.7	958.0	958.8
27.5°	1005.6	1010.9	1013.4	1010.9	1013.0	1017.5	1017.1	1017.1	1019.9	1019.1	1026.9
30°	1066.7	1070.0	1073.3	1071.7	1072.5	1078.2	1078.6	1079.1	1082.7	1088.1	1093.8
32.5°	1136.5	1139.8	1138.2	1143.5	1143.1	1150.1	1151.3	1152.5	1164.0	1162.0	1173.9
35°	1222.3	1225.6	1223.9	1229.7	1228.9	1231.3	1235.8	1240.8	1242.8	1254.7	1264.2
37.5°	1262.5	1262.5	1266.2	1272.8	1275.2	1279.3	1286.3	1292.5	1302.7	1315.5	1330.2
40°	1311.0	1312.2	1317.1	1324.1	1328.6	1338.0	1350.8	1359.4	1375.0	1388.9	1406.2
42.5°	1369.6	1375.0	1380.7	1390.2	1400.0	1414.8	1432.9	1443.9	1464.5	1482.5	1503.9
45°	1438.2	1443.5	1457.1	1474.3	1488.7	1505.1	1519.9	1546.1	1564.6	1583.5	1602.0
47.5°	1521.1	1536.7	1547.8	1568.3	1585.9	1607.7	1626.2	1650.8	1670.9	1693.9	1709.5
50°	1627.4	1646.7	1661.1	1687.7	1705.0	1729.2	1752.6	1771.1	1791.6	1814.2	1826.9
52.5°	1780.1	1799.8	1817.8	1851.1	1872.4	1888.9	1920.0	1943.0	1961.9	1978.3	1992.3
55°	2110.9	2105.2	2155.2	2219.7	2227.1	2286.6	2297.7	2316.9	2351.8	2356.8	2395.8
57.5°	3056.2	3026.6	3099.2	3193.7	3177.2	3147.3	3272.5	3280.3	3262.6	3309.8	3256.4
60°	4364.2	4312.5	4332.2	4358.1	4320.7	4303.1	4309.2	4326.9	4309.6	4290.8	4239.0
62.5°	5237.7	5158.0	5101.0	5053.0	4992.2	4948.3	4899.0	4838.3	4821.9	4752.9	4695.0
65°	5424.0	5300.0	5209.7	5119.0	5035.3	4957.7	4883.4	4831.3	4762.4	4680.7	4620.3
67.5°	5219.2	5065.7	4933.5	4801.8	4707.0	4592.8	4537.0	4452.1	4367.1	4273.5	4218.1
70°	4624.0	4464.0	4297.7	4168.9	4040.0	3898.8	3871.3	3770.7	3721.9	3594.2	3572.1
72.5°	3191.6	3084.9	3010.6	2851.3	2772.9	2700.7	2677.7	2584.6	2594.4	2454.4	2505.3
75°	1134.9	1119.7	1097.9	1008.0	992.0	964.1	956.7	950.2	1016.7	924.3	991.2
77.5°	195.0	193.7	182.6	177.3	187.6	181.0	182.6	179.4	198.7	201.5	197.0
80°	121.1	117.8	114.1	111.6	112.1	109.6	110.0	110.8	112.1	111.6	112.9
82.5°	82.9	80.0	78.4	76.8	79.2	80.0	82.1	84.1	87.4	89.5	91.9
85°	45.1	41.5	41.5	41.0	44.3	46.8	50.1	54.2	59.9	64.8	70.2
87.5°	23.0	22.2	22.6	23.4	26.3	28.3	32.4	36.1	41.0	46.4	51.3
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°	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4
2.5°	587.8	587.8	587.3	587.3	586.9	586.5	586.1	584.9	580.4	576.3	573.4
5°	596.8	595.6	595.1	593.9	593.5	592.7	591.4	590.2	582.0	574.6	569.3
7.5°	615.3	613.6	612.8	611.6	610.3	608.7	607.0	605.8	596.0	587.3	580.8
10°	639.5	638.6	638.2	636.6	636.6	634.1	633.7	630.8	620.2	612.4	606.6
12.5°	673.1	671.5	671.1	669.0	669.8	669.0	668.2	666.6	658.8	649.7	641.9
15°	715.0	715.0	712.9	711.3	711.7	710.9	712.5	710.5	705.6	697.3	684.6
17.5°	765.5	764.7	765.5	764.2	765.1	765.9	763.8	764.2	761.8	751.5	732.6
20°	824.2	822.9	827.9	825.8	830.3	826.2	827.0	828.3	828.3	814.7	789.3
22.5°	891.5	890.7	890.7	894.8	896.4	896.8	898.5	899.7	903.0	885.7	845.1
25°	958.8	961.7	962.1	967.4	969.9	969.9	971.1	975.6	985.5	961.7	909.1
27.5°	1027.3	1034.3	1036.0	1039.7	1043.3	1047.0	1049.9	1053.2	1069.2	1043.3	974.8
30°	1095.9	1103.7	1109.4	1113.5	1118.0	1127.1	1128.7	1135.3	1162.0	1130.4	1037.2
32.5°	1176.3	1187.4	1194.8	1200.1	1207.1	1215.7	1220.7	1228.9	1254.7	1203.0	1082.7
35°	1272.4	1278.9	1289.6	1298.6	1302.7	1317.5	1325.3	1327.4	1347.1	1265.8	1116.4
37.5°	1338.9	1349.9	1368.4	1381.1	1388.5	1396.7	1409.9	1418.5	1437.4	1322.9	1133.2
40°	1423.4	1440.2	1455.0	1473.9	1485.8	1492.0	1505.1	1512.1	1514.5	1371.7	1127.9
42.5°	1526.4	1541.6	1561.3	1576.5	1585.5	1592.5	1603.2	1606.1	1574.0	1394.7	1099.2
45°	1623.3	1646.7	1663.5	1674.6	1681.2	1684.9	1691.4	1691.8	1623.3	1383.2	1049.9
47.5°	1727.6	1744.4	1760.0	1767.8	1767.0	1767.8	1765.3	1763.7	1647.9	1343.4	986.7
50°	1842.9	1854.0	1860.5	1864.2	1866.3	1858.5	1847.4	1840.0	1650.0	1286.7	922.7
52.5°	1997.6	2011.6	2010.3	2009.9	1993.5	1986.1	1956.6	1941.4	1638.1	1220.2	850.4
55°	2389.6	2376.0	2349.4	2362.5	2295.6	2260.7	2214.7	2172.1	1653.7	1157.0	766.7
57.5°	3277.8	3283.1	3207.2	3166.6	3053.7	2912.5	2798.8	2688.4	1794.0	1118.5	657.5
60°	4204.6	4134.8	4038.3	3891.4	3746.1	3536.4	3334.0	3142.8	1934.0	1078.2	528.2
62.5°	4609.3	4509.9	4364.2	4174.2	3946.0	3689.5	3437.5	3204.3	1866.3	948.1	384.2
65°	4527.2	4375.3	4214.4	3992.0	3714.5	3433.3	3139.1	2901.0	1561.3	707.2	236.8
67.5°	4097.9	3969.0	3799.1	3535.1	3238.4	2945.7	2676.1	2409.3	1159.9	440.8	132.6
70°	3458.8	3332.8	3160.4	2890.3	2594.0	2314.1	2028.4	1810.9	739.2	212.6	95.6
72.5°	2399.4	2297.2	2175.3	1982.8	1723.0	1468.6	1275.2	1108.2	409.6	112.9	87.4
75°	974.4	974.8	952.6	871.4	736.3	635.0	541.4	459.3	171.2	96.0	86.2
77.5°	220.8	224.5	245.4	232.7	209.7	196.2	175.7	155.1	104.3	98.9	87.0
80°	111.6	112.1	110.8	111.2	110.0	110.4	108.8	107.5	97.7	101.8	87.0
82.5°	93.2	95.2	94.8	94.8	95.2	95.2	95.2	94.8	101.4	107.1	84.1
85°	73.9	78.0	81.3	84.6	88.2	90.7	91.9	93.2	98.5	105.5	76.3
87.5°	55.8	60.7	64.8	68.1	73.9	73.9	78.0	80.9	80.9	82.5	40.2
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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CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	589.4	589.4	589.4	589.4	589.4
2.5°	569.3	567.6	566.0	565.2	563.5
5°	565.2	561.9	559.8	559.8	558.2
7.5°	577.1	575.9	573.0	571.3	573.0
10°	602.5	600.5	597.2	594.7	596.0
12.5°	636.6	628.4	621.8	618.9	616.9
15°	671.9	655.5	642.3	635.0	632.9
17.5°	709.7	680.9	661.2	650.1	648.1
20°	748.2	712.5	684.6	670.3	669.8
22.5°	794.6	747.0	711.3	692.4	691.2
25°	843.5	777.8	730.6	706.4	703.9
27.5°	885.7	802.4	742.5	713.8	711.3
30°	921.0	820.9	752.3	719.1	715.8
32.5°	946.5	831.6	756.4	720.7	717.0
35°	954.7	827.5	745.0	706.0	701.9
37.5°	943.6	800.8	712.9	669.8	664.9
40°	910.4	754.0	660.8	616.5	610.3
42.5°	859.5	696.5	598.0	555.7	547.9
45°	796.7	631.7	535.6	488.4	484.7
47.5°	731.0	563.5	465.4	422.8	418.2
50°	660.0	484.7	396.9	350.5	350.5
52.5°	575.4	408.0	317.3	282.4	279.5
55°	478.2	321.4	252.8	226.2	222.5
57.5°	373.5	247.1	201.9	186.3	182.2
60°	274.6	185.5	162.5	153.9	152.3
62.5°	186.3	141.2	130.9	127.2	126.8
65°	126.0	110.0	107.1	105.9	106.3
67.5°	96.9	91.5	90.3	89.9	89.9
70°	84.1	80.9	79.6	80.0	79.6
72.5°	79.2	74.7	75.1	75.9	75.5
75°	77.6	71.8	73.5	73.9	72.2
77.5°	76.3	68.5	72.6	73.9	69.4
80°	73.9	65.7	75.5	75.9	68.1
82.5°	67.7	58.3	75.5	69.8	61.6
85°	57.5	44.3	85.4	60.7	45.6
87.5°	36.5	26.3	57.9	41.5	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)