

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: P165001

Luminaire Tested: **VTS-F11-LED-E1-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165001
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-F11-LED-E1-SL2-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (77) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15025.8 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

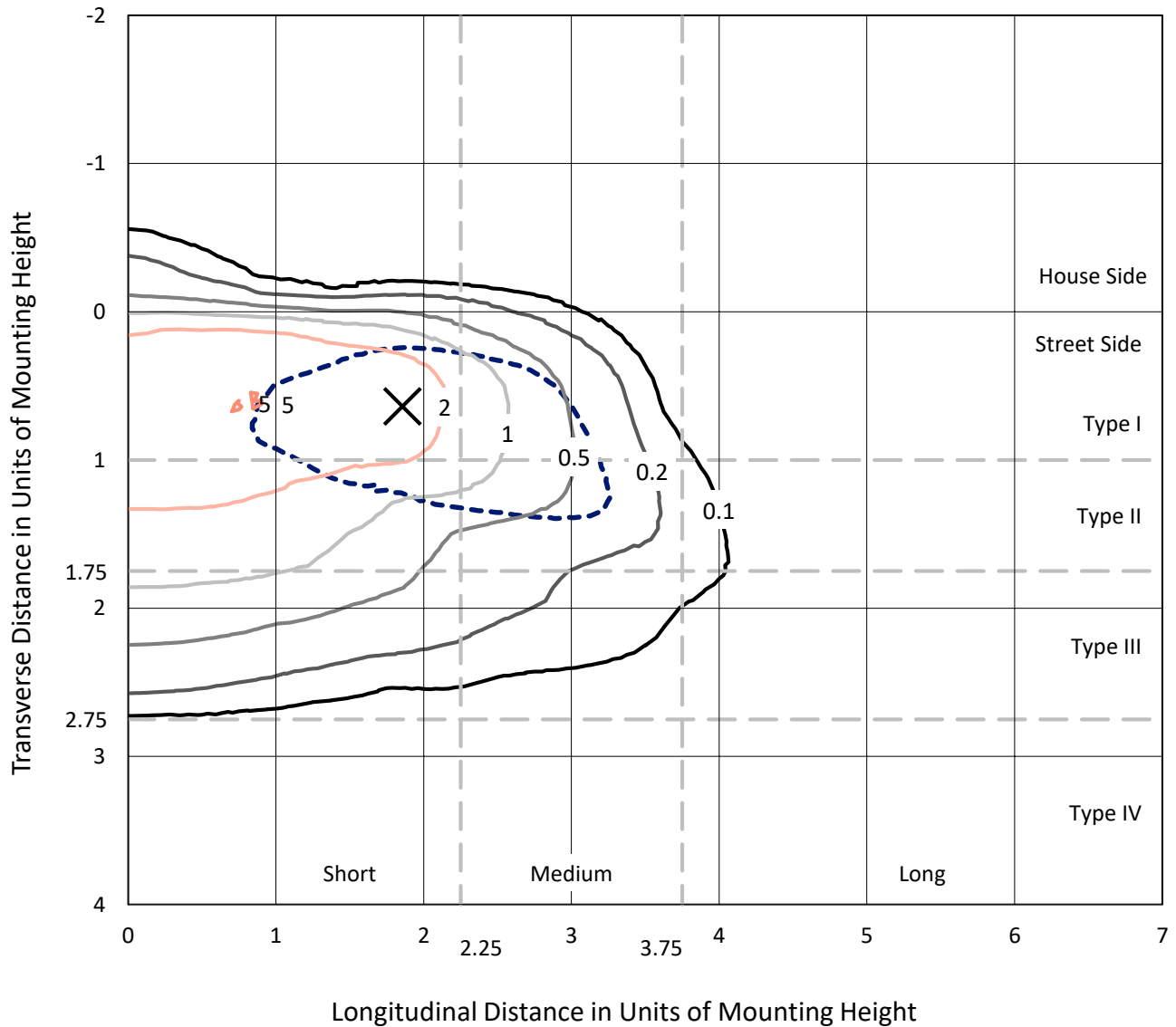
Input Watts (W): 282.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

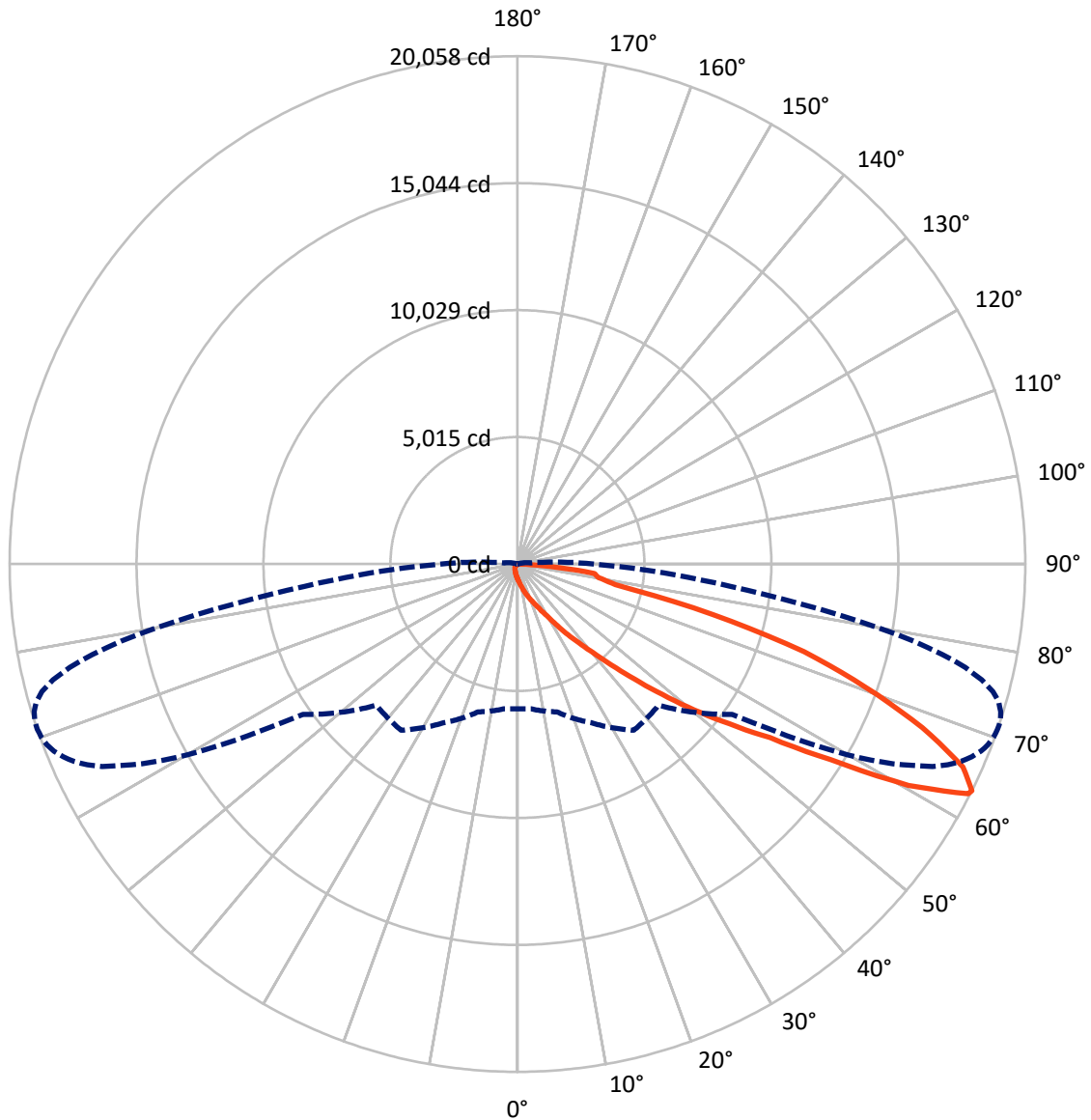


Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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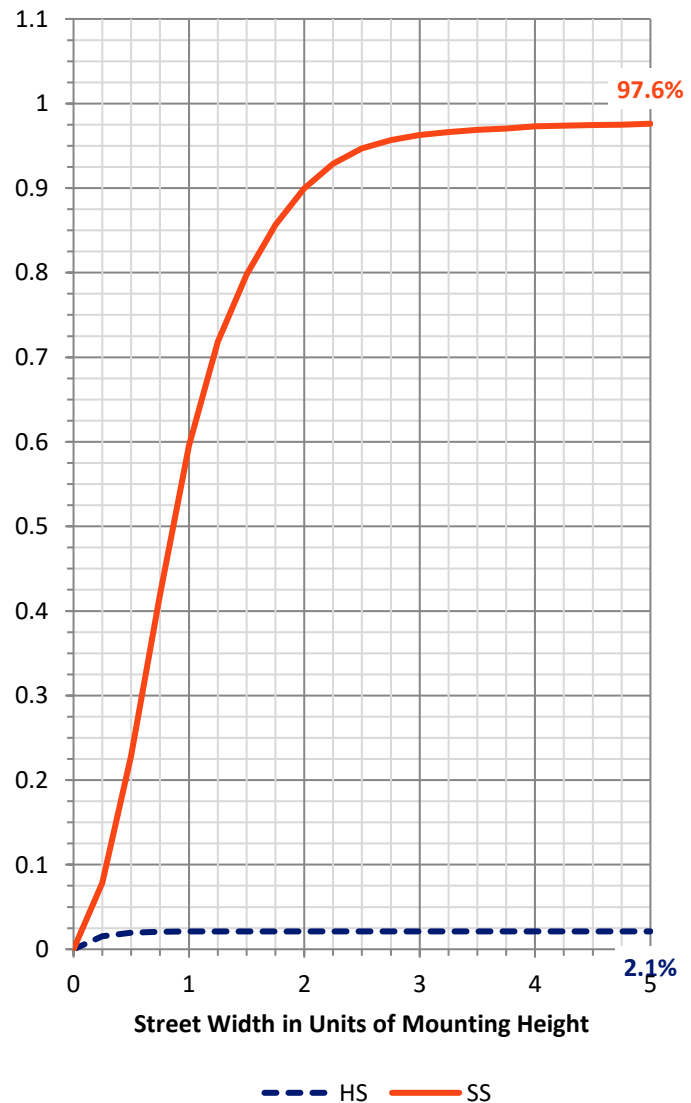
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.0	0.0	319.0
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	14706.8	0.0	14706.8
	% Fixture	97.9	0.0	97.9
Total	Lumens	15025.8	0.0	15025.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	0.4
10°-20°	247.1	1.6
20°-30°	501.8	3.3
30°-40°	1226.0	8.2
40°-50°	2741.9	18.2
50°-60°	3855.5	25.7
60°-70°	4533.7	30.2
70°-80°	1637.1	10.9
80°-90°	218.9	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°	15025.8	100.0
0°-180°	15025.8	100.0



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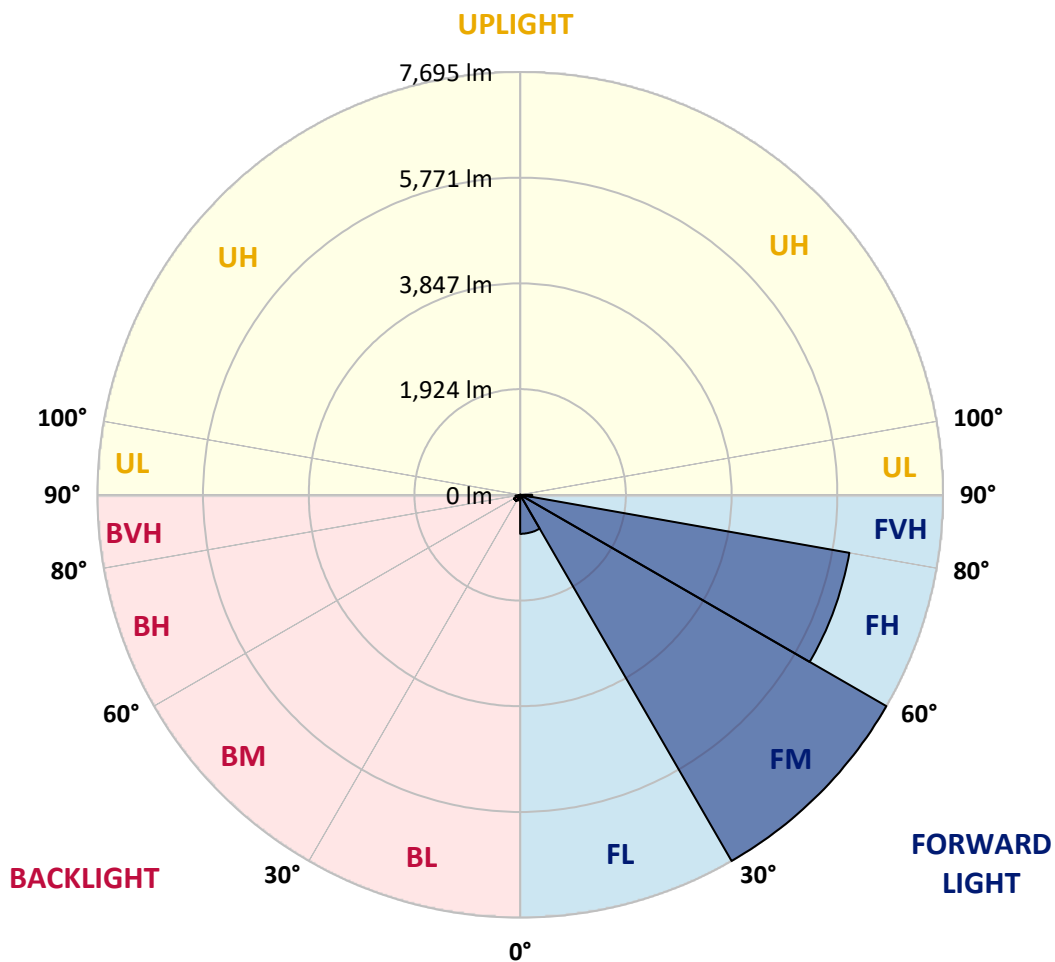
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	710.0	4.7			
FM	(30°-60°)	7694.9	51.2			
FH	(60°-80°)	6083.4	40.5			G3/7500
FVH	(80°-90°)	218.4	1.5			G2/225
BL	(0°-30°)	102.6	0.7	B0/110		
BM	(30°-60°)	128.5	0.9	B0/220		
BH	(60°-80°)	87.5	0.6	B0/110		G0/110
BVH	(80°-90°)	0.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4
2.5°	753.9	762.0	756.6	743.0	726.5	704.8	685.6	685.6	682.9	674.6	677.4
5°	988.8	991.6	980.7	947.8	917.8	871.4	819.4	814.0	808.5	800.4	797.7
7.5°	1218.4	1229.2	1218.4	1182.7	1122.7	1051.7	969.7	961.6	945.2	945.2	934.2
10°	1453.3	1453.3	1442.3	1401.3	1346.6	1245.6	1141.7	1128.1	1109.1	1103.6	1087.2
12.5°	1619.8	1619.8	1614.3	1592.6	1548.8	1458.7	1333.0	1319.4	1294.8	1286.6	1267.5
15°	1685.3	1685.3	1688.1	1707.2	1710.0	1669.1	1537.9	1526.9	1502.4	1480.5	1472.3
17.5°	1726.3	1723.6	1723.6	1751.0	1800.1	1827.5	1742.7	1731.8	1704.6	1693.6	1666.3
20°	1816.5	1811.1	1794.6	1794.6	1841.1	1936.6	1936.6	1934.0	1904.0	1895.7	1882.1
22.5°	1950.4	1944.9	1895.7	1854.7	1876.6	1996.8	2108.8	2103.3	2092.4	2081.4	2073.3
25°	2168.9	2149.8	2065.0	1944.9	1925.9	2054.2	2239.9	2253.6	2261.8	2261.8	2267.2
27.5°	2499.5	2474.9	2324.6	2100.7	2015.9	2147.0	2384.7	2412.0	2436.6	2442.1	2466.6
30°	2958.3	2914.7	2698.8	2371.1	2177.2	2283.7	2597.8	2627.8	2663.3	2674.3	2712.4
32.5°	3712.2	3687.6	3480.1	2988.3	2573.1	2551.4	2895.6	2933.7	2980.2	2999.3	3045.7
35°	4859.6	4865.1	4695.7	4253.1	3679.5	3378.9	3428.2	3460.9	3477.3	3534.7	3559.3
37.5°	5638.0	5651.6	5690.0	5515.1	5105.4	4799.4	4414.2	4449.9	4365.1	4373.2	4376.0
40°	6064.2	6107.8	6331.9	6501.3	6468.4	6290.9	5982.2	6001.3	5842.9	5807.4	5635.2
42.5°	6348.2	6405.6	6763.5	7287.9	7555.6	7716.8	7645.8	7637.5	7514.6	7468.2	7323.4
45°	6525.8	6577.7	7028.4	7801.4	8418.8	8888.6	9082.5	9104.4	9000.6	8954.1	8834.0
47.5°	6517.5	6577.7	7061.1	7992.7	8902.4	9653.5	10199.9	10227.1	10289.9	10249.0	10257.1
50°	6157.1	6214.5	6700.7	7667.6	8760.2	10003.1	11002.9	11090.3	11191.3	11259.7	11292.5
52.5°	5720.0	5761.0	6192.6	7110.4	8153.8	9858.3	11478.1	11628.4	11778.7	11907.1	11997.2
55°	5558.8	5605.2	5943.9	6706.1	7667.6	9251.9	11699.4	11920.7	12133.9	12344.2	12516.2
57.5°	5643.5	5687.1	5930.3	6514.9	7378.1	8612.7	11762.3	12106.5	12456.2	12797.5	13136.3
60°	5954.9	6001.3	6209.0	6692.4	7301.6	8244.0	11516.5	12087.4	12669.1	13264.6	13824.7
62.5°	5832.0	5851.0	6157.1	7003.9	7847.9	7929.8	10623.2	11420.9	12308.7	13226.5	14130.5
63°	5714.5	5736.4	6047.8	6919.1	8014.6	7883.4	10347.3	11188.7	12125.6	13114.4	14097.9
65°	5181.9	5184.5	5422.2	6110.6	7828.8	7965.3	9118.2	9921.2	10997.4	12183.0	13425.9
67.5°	3868.0	3848.9	4078.3	4602.8	6146.1	7968.1	7826.0	8276.8	9025.3	10077.0	11191.3
70°	1371.3	1341.3	1712.7	2439.2	3829.6	6517.5	6725.2	6755.2	6962.9	7531.1	8230.4
72.5°	445.2	453.5	546.2	893.3	1764.6	4387.0	6088.7	5995.8	5941.3	5938.5	6031.3
75°	177.5	180.3	218.5	396.1	792.2	2114.3	5332.2	5383.9	5403.2	5430.4	5460.6
77.5°	84.6	92.9	122.9	221.3	393.3	1046.2	3816.0	4255.8	4507.1	4701.2	4818.6
80°	30.0	35.5	68.3	136.5	183.0	480.7	2010.4	2425.6	2794.4	3269.8	3679.5
82.5°	0.0	0.0	13.6	95.5	101.0	193.9	824.9	966.9	1106.2	1434.0	1841.1
85°	0.0	0.0	0.0	27.4	30.0	32.8	278.7	336.1	377.0	439.7	508.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	8.1	16.4	41.0	62.9
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4
2.5°	672.0	669.3	669.3	663.8	661.0	655.6	652.9	644.6	642.0	642.0	642.0
5°	794.9	783.9	778.5	764.9	756.6	753.9	740.3	734.8	726.5	729.4	715.6
7.5°	931.4	912.3	904.2	885.0	879.7	860.4	854.9	841.3	833.2	816.8	811.3
10°	1081.7	1057.1	1043.5	1013.4	1005.2	991.6	975.2	958.8	945.2	928.8	920.6
12.5°	1253.9	1232.0	1221.0	1180.1	1161.0	1141.7	1120.0	1098.1	1076.2	1062.6	1043.5
15°	1455.9	1420.4	1409.5	1371.3	1338.5	1313.9	1283.9	1256.5	1240.1	1212.9	1193.7
17.5°	1655.3	1619.8	1611.7	1554.3	1518.8	1502.4	1469.7	1434.0	1404.0	1376.8	1346.6
20°	1854.7	1830.1	1808.2	1753.7	1715.5	1688.1	1644.4	1608.9	1584.3	1546.2	1507.8
22.5°	2054.2	2029.5	2013.3	1955.9	1920.4	1882.1	1843.9	1805.6	1770.1	1723.6	1680.0
25°	2259.1	2242.7	2234.4	2182.6	2149.8	2114.3	2076.0	2032.3	1988.6	1936.6	1890.4
27.5°	2472.1	2477.6	2461.1	2450.2	2414.7	2390.1	2330.1	2300.1	2267.2	2204.4	2147.0
30°	2742.5	2758.9	2753.4	2761.7	2739.8	2723.4	2676.9	2638.8	2600.5	2540.4	2474.9
32.5°	3084.0	3105.9	3116.7	3146.9	3135.9	3130.5	3116.7	3062.1	3034.7	2931.1	2903.7
35°	3611.2	3600.2	3646.7	3671.2	3660.3	3655.0	3638.5	3608.5	3575.7	3501.9	3433.7
37.5°	4296.8	4307.7	4324.1	4275.0	4242.2	4239.5	4190.3	4160.2	4113.8	4031.8	3949.9
40°	5553.3	5485.1	5408.6	5201.0	5110.9	5059.0	4914.2	4873.2	4793.9	4681.9	4597.3
42.5°	7186.9	7118.5	6889.1	6542.3	6356.5	6099.7	5982.2	5837.4	5725.5	5542.5	5444.1
45°	8809.5	8612.7	8585.4	8181.1	7951.7	7613.0	7402.7	7159.5	6905.5	6665.2	6490.3
47.5°	10178.0	10134.2	10000.5	9754.5	9541.5	9257.4	8987.0	8612.7	8350.5	8009.1	7694.9
50°	11273.3	11270.6	11221.4	11079.4	10901.9	10672.5	10434.8	10117.9	9820.2	9402.2	9066.3
52.5°	12092.9	12136.5	12152.9	12109.1	12041.0	11838.8	11718.7	11453.6	11202.3	10847.1	10483.9
55°	12693.7	12854.9	12936.9	13029.8	13010.7	12939.7	12934.2	12762.0	12647.4	12365.9	12109.1
57.5°	13436.8	13701.7	13955.7	14406.6	14422.8	14581.4	14663.3	14745.3	14767.0	14655.0	14570.4
60°	14381.8	14922.8	15403.5	16346.0	16591.8	16979.7	17231.0	17504.2	17736.2	17755.5	17750.0
62.5°	15048.3	15881.5	16657.4	18055.9	18533.9	18982.0	19317.9	19583.0	19744.0	19907.9	19984.4
63°	15067.6	15979.9	16804.8	18247.1	18749.8	19175.9	19495.5	19741.4	19910.7	20008.9	20058.2
65°	14605.9	15712.2	16695.5	18132.4	18604.9	19033.9	19200.4	19361.7	19443.6	19481.8	19337.0
67.5°	12379.7	13461.4	14608.6	16214.8	16619.0	17132.6	17269.3	17351.2	17389.4	17381.3	17258.3
70°	9257.4	10164.4	11440.0	13275.6	13811.0	14313.7	14625.0	14758.9	14802.5	14788.9	14605.9
72.5°	6463.0	6995.6	8047.3	10090.6	10819.9	11464.5	11849.7	12049.1	12090.1	12008.1	11838.8
75°	5427.7	5455.1	5692.6	6809.8	7492.7	8181.1	8615.4	8741.1	8659.2	8410.5	7979.1
77.5°	4845.8	4906.0	4906.0	5072.6	5206.4	5397.7	5438.7	5132.6	4777.6	4318.6	3947.2
80°	4064.7	4275.0	4422.5	4545.4	4559.0	4520.9	4419.7	4247.7	3974.5	3624.8	3237.0
82.5°	2469.4	2884.6	3054.0	3687.6	3999.0	4209.3	4193.1	3963.5	3756.0	3392.7	3062.1
85°	622.9	672.0	729.4	947.8	1062.6	1297.5	1445.0	1513.3	1537.9	1412.3	1278.4
87.5°	60.0	41.0	68.3	51.9	73.8	54.6	73.8	68.3	84.6	90.1	98.4
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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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4
2.5°	636.5	633.7	631.0	628.3	625.5	622.9	617.4	617.4	611.9	609.1	606.5
5°	707.5	702.0	699.3	693.9	685.6	680.1	672.0	661.0	652.9	650.1	644.6
7.5°	797.7	783.9	778.5	770.3	759.4	743.0	732.0	723.9	710.3	702.0	685.6
10°	898.7	885.0	868.7	852.3	835.9	816.8	803.0	792.2	770.3	759.4	740.3
12.5°	1027.1	1002.6	983.3	961.6	939.7	917.8	901.4	868.7	849.5	824.9	808.5
15°	1158.2	1136.3	1114.5	1087.2	1054.3	1018.8	1002.6	972.4	947.8	909.7	887.8
17.5°	1316.6	1275.6	1242.9	1210.1	1180.1	1147.2	1114.5	1068.1	1032.6	999.8	956.1
20°	1472.3	1423.2	1387.6	1343.9	1300.3	1248.4	1210.1	1177.2	1128.1	1084.5	1038.1
22.5°	1638.9	1589.8	1532.4	1488.8	1428.7	1387.6	1335.8	1281.1	1232.0	1174.6	1117.2
25°	1841.1	1789.2	1723.6	1666.3	1597.9	1540.7	1477.8	1414.9	1354.9	1289.4	1215.6
27.5°	2089.7	2035.0	1964.0	1895.7	1805.6	1734.6	1674.5	1589.8	1513.3	1431.4	1346.6
30°	2403.7	2343.7	2256.3	2157.9	2067.8	1988.6	1904.0	1792.0	1707.2	1608.9	1499.7
32.5°	2813.6	2742.5	2625.0	2532.1	2420.2	2316.3	2198.9	2086.9	1966.8	1838.4	1712.7
35°	3329.8	3264.3	3127.6	2991.1	2868.2	2745.3	2597.8	2469.4	2300.1	2144.3	1983.1
37.5°	3865.3	3747.7	3622.1	3474.7	3321.6	3174.1	2993.8	2816.3	2622.4	2453.0	2250.8
40°	4477.1	4335.1	4231.2	4072.8	3857.0	3646.7	3480.1	3258.9	3015.7	2788.9	2551.4
42.5°	5315.7	5157.3	4971.5	4731.2	4575.4	4329.6	4113.8	3851.5	3531.9	3277.9	2991.1
45°	6285.5	6069.7	5889.4	5657.1	5468.7	5162.8	4911.5	4561.8	4242.2	3908.9	3559.3
47.5°	7391.7	7124.0	6861.7	6632.3	6331.9	6031.3	5711.9	5340.3	4930.6	4564.5	4149.3
50°	8661.8	8282.2	7918.9	7623.9	7211.4	6864.6	6517.5	6099.7	5646.2	5225.5	4752.9
52.5°	10074.1	9634.4	9153.7	8700.2	8222.1	7776.9	7358.9	6878.2	6372.9	5859.3	5332.2
55°	11778.7	11448.1	10882.8	10306.4	9667.1	9071.7	8533.5	7938.1	7323.4	6648.7	6094.2
57.5°	14447.5	14286.3	13813.7	13237.4	12404.2	11680.3	10768.0	10038.6	9148.2	8219.4	7503.7
60°	18064.2	17864.6	17599.7	17132.6	16471.6	15488.2	14483.0	13349.4	11994.5	10708.0	9486.9
62.5°	19992.7	19921.5	19705.9	19383.4	18766.2	17990.4	16977.0	15731.3	14201.7	12639.1	11082.2
63°	20049.9	19959.8	19774.1	19446.3	18902.7	18151.6	17157.2	15947.1	14450.2	12857.7	11267.8
65°	19274.3	19238.8	19050.2	18692.4	18321.0	17747.2	16977.0	15936.1	14679.6	13174.6	11592.9
67.5°	17094.4	16987.8	16698.3	16589.0	16329.6	15930.6	15343.4	14627.7	13729.1	12546.2	11180.4
70°	14458.3	14299.9	13936.6	13742.7	13425.9	13174.6	12816.8	12305.9	11751.3	10926.4	9907.6
72.5°	11663.9	11336.1	11002.9	10497.6	10055.1	9607.0	9210.9	8850.5	8241.2	7907.9	7134.9
75°	7574.7	6979.2	6408.4	5643.5	4955.1	4346.0	3753.2	3452.8	2827.2	2573.1	2209.8
77.5°	3594.8	3261.5	2813.6	2466.6	2024.1	1652.6	1349.4	1013.4	794.9	622.9	475.2
80°	2900.9	2619.6	2349.2	2035.0	1701.7	1357.6	1040.7	778.5	551.7	382.4	270.4
82.5°	2586.9	2280.8	1947.6	1731.8	1505.2	1232.0	1010.7	824.9	609.1	445.2	303.2
85°	1005.2	846.8	652.9	532.6	415.2	341.4	308.7	213.0	166.7	131.0	101.0
87.5°	87.4	71.0	57.4	38.3	41.0	21.9	24.6	16.4	13.6	13.6	10.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4	576.4
2.5°	603.6	601.0	598.2	592.7	592.7	587.4	584.6	581.9	568.1	538.1	513.6
5°	633.7	628.3	622.9	614.6	609.1	601.0	595.5	587.4	557.2	500.0	450.7
7.5°	677.4	666.5	658.4	642.0	633.7	622.9	614.6	601.0	551.7	464.3	396.1
10°	729.4	710.3	696.5	677.4	661.0	647.4	633.7	614.6	546.2	426.1	346.9
12.5°	792.2	770.3	743.0	721.1	699.3	680.1	661.0	636.5	538.1	393.3	308.7
15°	854.9	822.3	803.0	773.0	743.0	715.6	688.4	666.5	540.9	357.8	275.9
17.5°	925.9	893.3	852.3	819.4	786.8	751.3	718.4	674.6	527.2	330.6	251.3
20°	994.3	947.8	909.7	868.7	822.3	778.5	737.5	699.3	516.2	303.2	229.4
22.5°	1068.1	1013.4	964.3	912.3	854.9	805.8	756.6	707.5	497.1	278.7	210.3
25°	1158.2	1095.3	1024.3	961.6	901.4	841.3	778.5	718.4	478.1	256.8	196.7
27.5°	1267.5	1185.5	1114.5	1035.2	950.7	874.2	805.8	740.3	459.0	240.4	183.0
30°	1406.8	1311.1	1210.1	1109.1	1018.8	931.4	835.9	753.9	439.7	223.9	169.4
32.5°	1592.6	1472.3	1349.4	1232.0	1111.7	999.8	898.7	792.2	428.8	210.3	155.8
35°	1838.4	1682.7	1532.4	1384.9	1240.1	1103.6	972.4	852.3	428.8	193.9	139.3
37.5°	2070.5	1890.4	1699.1	1516.0	1343.9	1185.5	1029.8	885.0	407.1	180.3	125.7
40°	2321.8	2106.0	1882.1	1666.3	1458.7	1262.0	1084.5	917.8	387.8	163.9	112.0
42.5°	2707.0	2433.9	2141.7	1890.4	1641.7	1398.5	1177.2	980.7	363.3	147.5	98.4
45°	3212.4	2865.4	2521.4	2215.3	1898.5	1600.7	1338.5	1095.3	357.8	133.9	84.6
47.5°	3753.2	3343.4	2939.2	2548.6	2177.2	1830.1	1516.0	1223.7	357.8	120.3	73.8
50°	4291.3	3777.9	3346.3	2892.8	2474.9	2065.0	1690.8	1357.6	360.6	109.3	60.0
52.5°	4777.6	4228.6	3745.0	3220.5	2758.9	2283.7	1876.6	1488.8	355.1	95.5	49.1
55°	5452.3	4807.7	4247.7	3668.6	3127.6	2592.4	2130.7	1685.3	357.8	84.6	41.0
57.5°	6695.2	5938.5	5263.8	4504.4	3881.6	3190.5	2630.5	2089.7	390.6	71.0	30.0
60°	8478.9	7495.6	6547.7	5621.6	4829.6	4007.3	3280.6	2644.3	459.0	57.4	21.9
62.5°	9678.0	8391.5	7260.7	6239.0	5318.4	4458.0	3665.8	2941.9	505.3	46.4	13.6
63°	9800.9	8470.8	7334.3	6280.0	5340.3	4479.9	3682.2	2963.8	508.1	43.6	13.6
65°	10033.2	8607.3	7375.3	6288.1	5318.4	4449.9	3671.2	2961.1	513.6	35.5	10.9
67.5°	9768.3	8396.9	7137.8	6053.2	5127.1	4272.2	3534.7	2851.8	510.7	24.6	8.1
70°	8735.7	7599.4	6493.0	5482.3	4641.0	3868.0	3217.9	2600.5	469.8	16.4	5.5
72.5°	6413.9	5640.7	4783.1	4053.7	3496.4	2903.7	2477.6	1953.1	363.3	10.9	2.7
75°	1901.1	1731.8	1455.9	1283.9	1133.6	936.9	833.2	650.1	185.8	5.5	0.0
77.5°	379.7	344.2	308.7	281.3	264.9	226.8	215.8	177.5	76.5	2.7	0.0
80°	199.4	163.9	139.3	122.9	106.5	87.4	73.8	60.0	13.6	0.0	0.0
82.5°	191.3	128.4	92.9	76.5	65.5	51.9	41.0	30.0	8.1	0.0	0.0
85°	71.0	54.6	41.0	32.8	27.4	24.6	19.1	16.4	0.0	0.0	0.0
87.5°	10.9	8.1	8.1	5.5	5.5	2.7	2.7	2.7	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: P165001

CATALOG NUMBER: VTS-F11-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	576.4	576.4	576.4	576.4	576.4	576.4	576.4
2.5°	489.0	467.1	456.2	442.6	442.6	439.7	445.2
5°	407.1	377.0	355.1	338.7	341.4	333.3	336.1
7.5°	344.2	314.2	294.9	284.1	281.3	278.7	278.7
10°	297.8	270.4	254.0	245.8	243.2	243.2	243.2
12.5°	264.9	237.7	223.9	218.5	218.5	215.8	215.8
15°	237.7	215.8	202.2	196.7	196.7	193.9	196.7
17.5°	215.8	193.9	183.0	177.5	177.5	174.8	174.8
20°	196.7	177.5	166.7	158.4	158.4	155.8	158.4
22.5°	180.3	161.2	147.5	142.0	139.3	136.5	139.3
25°	163.9	144.8	131.0	122.9	120.3	120.3	117.4
27.5°	150.3	131.0	114.8	106.5	103.8	103.8	101.0
30°	136.5	114.8	98.4	90.1	87.4	87.4	87.4
32.5°	122.9	98.4	84.6	76.5	73.8	73.8	73.8
35°	109.3	84.6	71.0	62.9	60.0	60.0	60.0
37.5°	92.9	71.0	54.6	49.1	46.4	43.6	43.6
40°	79.3	54.6	41.0	35.5	30.0	30.0	30.0
42.5°	65.5	43.6	30.0	21.9	19.1	16.4	19.1
45°	54.6	32.8	19.1	10.9	8.1	8.1	8.1
47.5°	43.6	21.9	8.1	2.7	2.7	2.7	2.7
50°	32.8	13.6	2.7	0.0	0.0	2.7	2.7
52.5°	24.6	8.1	0.0	0.0	0.0	0.0	0.0
55°	13.6	2.7	0.0	0.0	0.0	0.0	0.0
57.5°	8.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	5.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.7	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.7	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)