

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: P165002

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165002
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
Description: VENTUS LED SITE LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (77) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16451.3 lumens
Efficiency: N/A
Efficacy: 58.2 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: B1 - U0 - G3

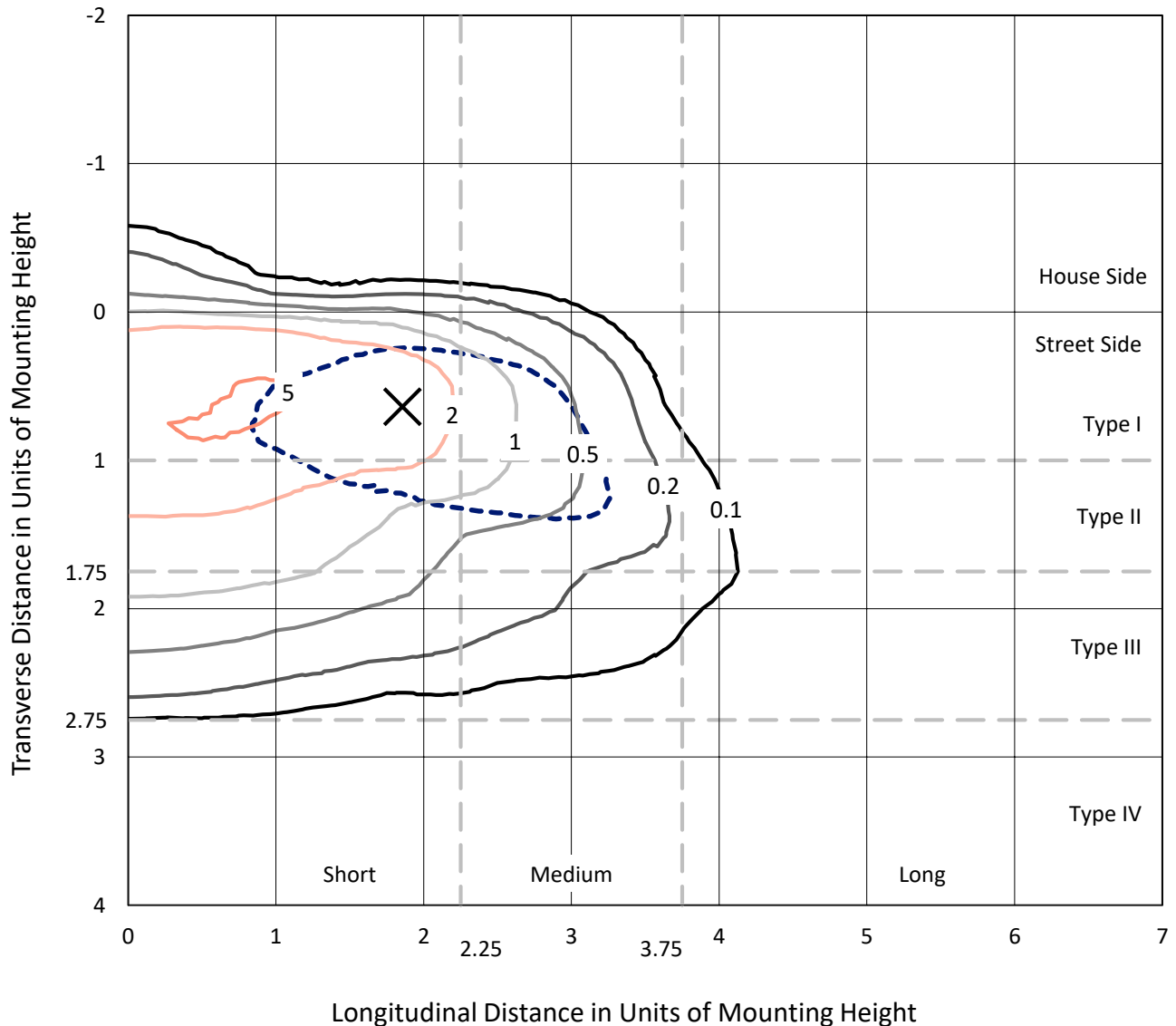
Input Watts (W): 282.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

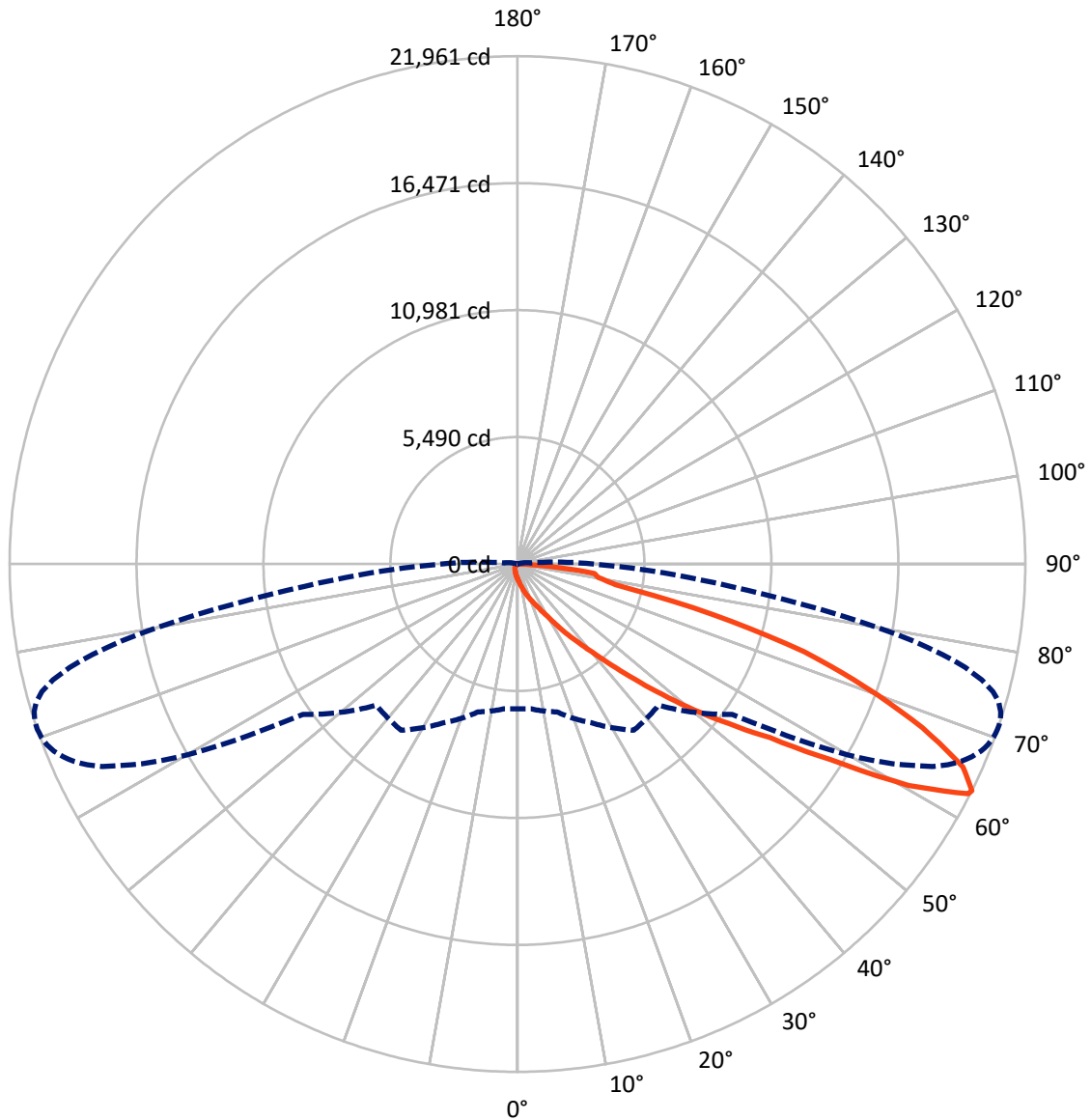


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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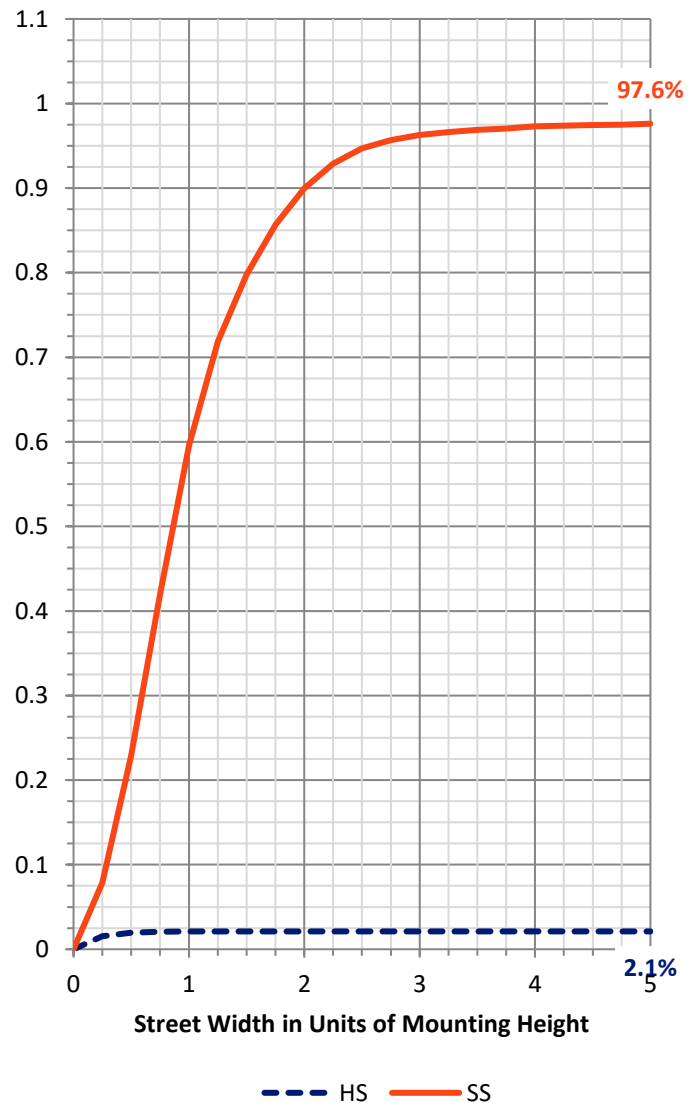
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	349.3	0.0	349.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	16102.0	0.0	16102.0
	% Fixture	97.9	0.0	97.9
Total	Lumens	16451.3	0.0	16451.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	0.4
10°-20°	270.5	1.6
20°-30°	549.4	3.3
30°-40°	1342.4	8.2
40°-50°	3002.1	18.2
50°-60°	4221.3	25.7
60°-70°	4963.9	30.2
70°-80°	1792.4	10.9
80°-90°	239.7	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°	16451.3	100.0
0°-180°	16451.3	100.0



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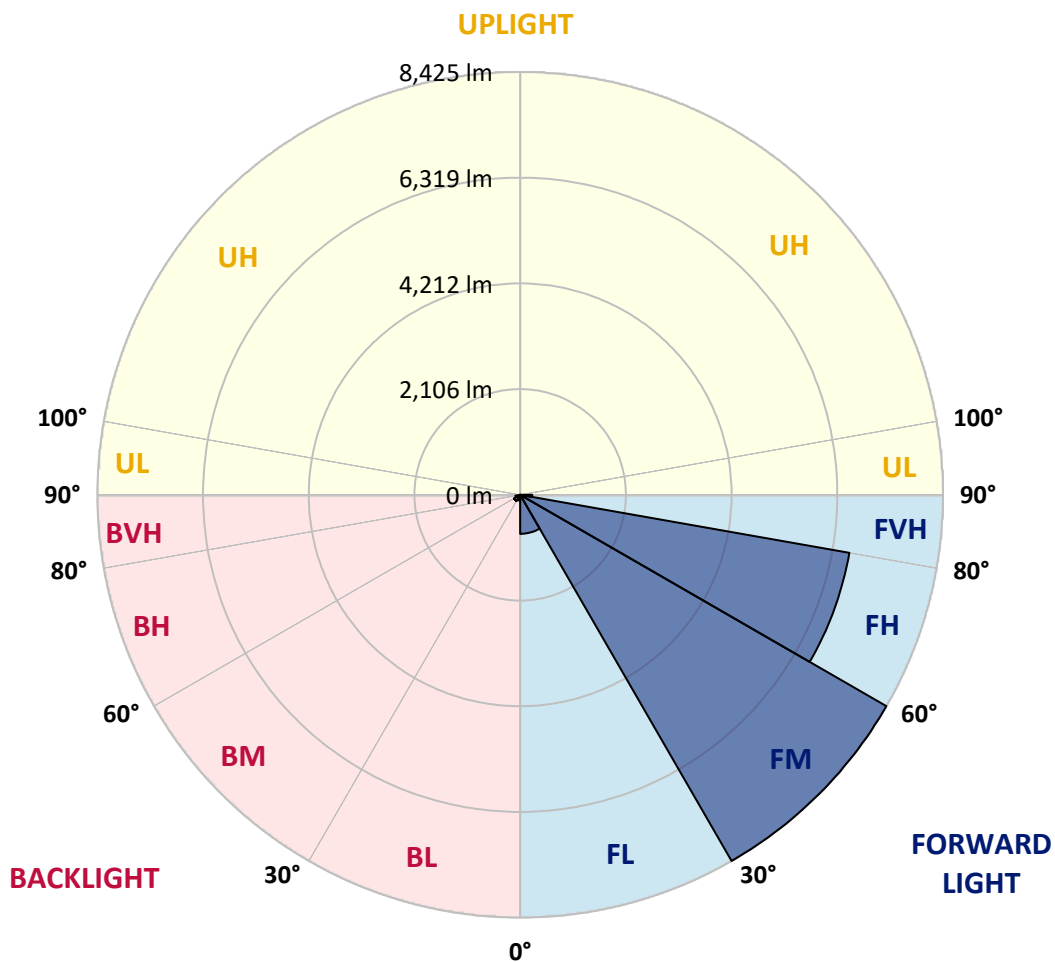
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	777.4	4.7			
FM	(30°-60°)	8425.0	51.2			
FH	(60°-80°)	6660.5	40.5			G3/7500
FVH	(80°-90°)	239.2	1.5			G3/500
BL	(0°-30°)	112.3	0.7	B1/500		
BM	(30°-60°)	140.7	0.9	B0/220		
BH	(60°-80°)	95.8	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: B1-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	825.4	834.3	828.3	813.5	795.5	771.7	750.6	750.6	747.7	738.6	741.7
5°	1082.6	1085.7	1073.7	1037.8	1004.9	954.0	897.2	891.2	885.2	876.3	873.4
7.5°	1334.0	1345.8	1334.0	1294.9	1229.2	1151.4	1061.7	1052.8	1034.8	1034.8	1022.9
10°	1591.1	1591.1	1579.1	1534.3	1474.4	1363.8	1250.1	1235.2	1214.3	1208.3	1190.3
12.5°	1773.5	1773.5	1767.5	1743.7	1695.7	1597.1	1459.5	1444.6	1417.7	1408.6	1387.7
15°	1845.2	1845.2	1848.3	1869.2	1872.3	1827.4	1683.8	1671.8	1644.9	1620.9	1612.0
17.5°	1890.1	1887.2	1887.2	1917.1	1970.9	2000.9	1908.1	1896.1	1866.3	1854.3	1824.3
20°	1988.9	1982.9	1964.9	1964.9	2015.8	2120.4	2120.4	2117.5	2084.6	2075.5	2060.6
22.5°	2135.4	2129.4	2075.5	2030.6	2054.6	2186.3	2308.9	2302.9	2290.9	2278.9	2270.0
25°	2374.6	2353.7	2260.9	2129.4	2108.6	2249.1	2452.4	2467.4	2476.3	2476.3	2482.3
27.5°	2736.6	2709.7	2545.2	2300.0	2207.2	2350.6	2610.9	2640.9	2667.7	2673.7	2700.6
30°	3238.9	3191.2	2954.9	2596.0	2383.7	2500.3	2844.3	2877.2	2916.0	2928.0	2969.8
32.5°	4064.4	4037.5	3810.3	3271.8	2817.2	2793.4	3170.3	3212.1	3262.9	3283.8	3334.6
35°	5320.6	5326.6	5141.2	4656.6	4028.6	3699.5	3753.4	3789.2	3807.2	3870.0	3896.9
37.5°	6172.9	6187.8	6229.8	6038.4	5589.8	5254.7	4833.0	4872.0	4779.2	4788.1	4791.2
40°	6639.5	6687.3	6932.6	7118.1	7082.1	6887.8	6549.8	6570.7	6397.2	6358.4	6169.8
42.5°	6950.4	7013.3	7405.2	7979.3	8272.4	8448.9	8371.2	8362.1	8227.5	8176.7	8018.1
45°	7144.9	7201.8	7695.2	8541.6	9217.5	9731.9	9944.2	9968.1	9854.5	9803.6	9672.1
47.5°	7135.9	7201.8	7731.0	8751.0	9746.9	10569.3	11167.5	11197.3	11266.2	11221.3	11230.2
50°	6741.2	6804.0	7336.4	8395.0	9591.3	10952.1	12046.7	12142.4	12253.1	12327.9	12363.8
52.5°	6262.6	6307.5	6780.1	7784.9	8927.3	10793.6	12567.1	12731.6	12896.2	13036.7	13135.3
55°	6086.1	6137.0	6507.8	7342.4	8395.0	10129.6	12809.3	13051.6	13285.0	13515.3	13703.6
57.5°	6178.9	6226.7	6492.9	7132.9	8078.1	9429.8	12878.2	13255.0	13637.9	14011.6	14382.5
60°	6519.8	6570.7	6798.0	7327.3	7994.4	9026.1	12609.0	13234.1	13871.1	14523.1	15136.2
62.5°	6385.2	6406.1	6741.2	7668.4	8592.4	8682.1	11631.0	12504.4	13476.4	14481.3	15471.1
63°	6256.7	6280.6	6621.5	7575.5	8774.9	8631.3	11329.0	12250.1	13275.9	14358.5	15435.3
65°	5673.5	5676.4	5936.6	6690.4	8571.5	8721.0	9983.2	10862.4	12040.7	13338.7	14699.6
67.5°	4234.9	4214.0	4465.2	5039.5	6729.2	8724.1	8568.4	9062.1	9881.5	11033.0	12253.1
70°	1501.4	1468.5	1875.2	2670.7	4193.0	7135.9	7363.2	7396.1	7623.5	8245.5	9011.2
72.5°	487.5	496.5	598.1	978.0	1932.0	4803.2	6666.4	6564.7	6504.9	6501.8	6603.5
75°	194.3	197.4	239.2	433.7	867.4	2314.9	5838.0	5894.7	5915.8	5945.5	5978.6
77.5°	92.6	101.7	134.6	242.3	430.6	1145.4	4178.1	4659.5	4934.7	5147.2	5275.7
80°	32.9	38.9	74.8	149.5	200.3	526.3	2201.2	2655.8	3059.5	3580.0	4028.6
82.5°	0.0	0.0	14.9	104.6	110.6	212.3	903.2	1058.6	1211.2	1570.1	2015.8
85°	0.0	0.0	0.0	30.0	32.9	36.0	305.1	368.0	412.8	481.5	556.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.9	18.0	44.9	68.8
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°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	735.7	732.8	732.8	726.8	723.7	717.7	714.8	705.8	702.9	702.9	702.9
5°	870.3	858.3	852.3	837.4	828.3	825.4	810.5	804.6	795.5	798.6	783.5
7.5°	1019.8	998.9	990.0	968.9	963.1	942.0	936.0	921.2	912.3	894.3	888.3
10°	1184.3	1157.4	1142.5	1109.5	1100.6	1085.7	1067.7	1049.7	1034.8	1016.9	1008.0
12.5°	1372.8	1348.9	1336.9	1292.0	1271.1	1250.1	1226.3	1202.3	1178.3	1163.4	1142.5
15°	1594.0	1555.2	1543.2	1501.4	1465.5	1438.6	1405.7	1375.7	1357.8	1328.0	1306.9
17.5°	1812.3	1773.5	1764.6	1701.7	1662.9	1644.9	1609.1	1570.1	1537.2	1507.4	1474.4
20°	2030.6	2003.8	1979.8	1920.0	1878.3	1848.3	1800.4	1761.5	1734.6	1692.8	1650.9
22.5°	2249.1	2222.1	2204.3	2141.4	2102.6	2060.6	2018.8	1976.9	1938.0	1887.2	1839.4
25°	2473.4	2455.4	2446.4	2389.7	2353.7	2314.9	2272.9	2225.2	2177.2	2120.4	2069.7
27.5°	2706.6	2712.6	2694.6	2682.6	2643.8	2616.9	2551.2	2518.3	2482.3	2413.5	2350.6
30°	3002.6	3020.6	3014.6	3023.7	2999.7	2981.8	2930.9	2889.1	2847.2	2781.4	2709.7
32.5°	3376.6	3400.6	3412.4	3445.4	3433.4	3427.4	3412.4	3352.6	3322.7	3209.1	3179.2
35°	3953.8	3941.8	3992.6	4019.5	4007.5	4001.7	3983.7	3950.9	3914.9	3834.1	3759.4
37.5°	4704.4	4716.4	4734.4	4680.6	4644.6	4641.7	4587.8	4554.9	4504.1	4414.3	4324.6
40°	6080.1	6005.5	5921.8	5694.4	5595.8	5538.9	5380.4	5335.5	5248.7	5126.1	5033.5
42.5°	7868.7	7793.8	7542.7	7162.9	6959.5	6678.4	6549.8	6391.2	6268.6	6068.3	5960.6
45°	9645.2	9429.8	9399.9	8957.3	8706.1	8335.2	8105.0	7838.7	7560.7	7297.5	7106.1
47.5°	11143.6	11095.6	10949.2	10679.9	10446.7	10135.6	9839.6	9429.8	9142.7	8768.9	8425.0
50°	12342.8	12339.9	12285.9	12130.5	11936.1	11685.0	11424.7	11077.8	10751.8	10294.1	9926.4
52.5°	13240.1	13287.9	13305.9	13257.9	13183.3	12961.9	12830.4	12540.2	12265.0	11876.2	11478.5
55°	13897.9	14074.5	14164.2	14265.9	14245.0	14167.3	14161.3	13972.8	13847.3	13539.1	13257.9
57.5°	14711.6	15001.6	15279.7	15773.3	15791.1	15964.7	16054.4	16144.2	16168.0	16045.4	15952.7
60°	15746.2	16338.5	16864.8	17896.8	18165.9	18590.5	18865.7	19164.8	19418.9	19439.9	19433.9
62.5°	16476.0	17388.2	18237.6	19768.8	20292.3	20782.8	21150.6	21440.8	21617.1	21796.6	21880.3
63°	16497.0	17495.9	18399.1	19978.2	20528.5	20995.1	21345.1	21614.2	21799.7	21907.2	21961.1
65°	15991.6	17202.8	18279.4	19852.6	20370.0	20839.7	21022.0	21198.5	21288.2	21330.0	21171.5
67.5°	13554.1	14738.5	15994.5	17753.1	18195.7	18758.0	18907.6	18997.3	19039.1	19030.2	18895.6
70°	10135.6	11128.7	12525.3	14535.1	15121.3	15671.6	16012.5	16159.1	16206.8	16191.9	15991.6
72.5°	7076.1	7659.3	8810.7	11047.9	11846.4	12552.2	12973.9	13192.2	13237.0	13147.3	12961.9
75°	5942.6	5972.6	6232.7	7455.9	8203.6	8957.3	9432.7	9570.4	9480.7	9208.4	8736.1
77.5°	5305.5	5371.5	5371.5	5553.8	5700.4	5909.8	5954.6	5619.5	5230.9	4728.4	4321.7
80°	4450.3	4680.6	4842.1	4976.6	4991.5	4949.7	4839.0	4650.6	4351.5	3968.7	3544.0
82.5°	2703.7	3158.3	3343.7	4037.5	4378.4	4608.7	4590.9	4339.5	4112.3	3714.6	3352.6
85°	682.0	735.7	798.6	1037.8	1163.4	1420.6	1582.1	1656.9	1683.8	1546.3	1399.7
87.5°	65.7	44.9	74.8	56.8	80.8	59.8	80.8	74.8	92.6	98.6	107.7
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	696.9	693.8	690.9	688.0	684.9	682.0	676.0	676.0	670.0	666.9	664.0
5°	774.6	768.6	765.7	759.7	750.6	744.6	735.7	723.7	714.8	711.8	705.8
7.5°	873.4	858.3	852.3	843.4	831.4	813.5	801.5	792.6	777.7	768.6	750.6
10°	984.0	968.9	951.1	933.1	915.2	894.3	879.2	867.4	843.4	831.4	810.5
12.5°	1124.6	1097.7	1076.6	1052.8	1028.9	1004.9	986.9	951.1	930.1	903.2	885.2
15°	1268.0	1244.1	1220.3	1190.3	1154.3	1115.5	1097.7	1064.6	1037.8	996.0	972.0
17.5°	1441.5	1396.6	1360.8	1324.9	1292.0	1256.1	1220.3	1169.4	1130.6	1094.6	1046.8
20°	1612.0	1558.3	1519.2	1471.4	1423.7	1366.8	1324.9	1288.9	1235.2	1187.4	1136.5
22.5°	1794.4	1740.6	1677.8	1630.0	1564.3	1519.2	1462.5	1402.6	1348.9	1286.0	1223.2
25°	2015.8	1958.9	1887.2	1824.3	1749.5	1686.8	1618.0	1549.2	1483.4	1411.7	1330.9
27.5°	2288.0	2228.1	2150.3	2075.5	1976.9	1899.2	1833.4	1740.6	1656.9	1567.2	1474.4
30°	2631.8	2566.0	2470.3	2362.6	2264.0	2177.2	2084.6	1962.0	1869.2	1761.5	1642.0
32.5°	3080.6	3002.6	2874.1	2772.4	2649.8	2536.1	2407.5	2284.9	2153.4	2012.8	1875.2
35°	3645.7	3574.0	3424.4	3274.9	3140.3	3005.7	2844.3	2703.7	2518.3	2347.7	2171.2
37.5°	4232.0	4103.2	3965.8	3804.3	3636.7	3475.2	3277.8	3083.5	2871.2	2685.7	2464.3
40°	4901.8	4746.3	4632.6	4459.2	4222.9	3992.6	3810.3	3568.0	3301.8	3053.5	2793.4
42.5°	5820.0	5646.6	5443.2	5180.0	5009.5	4740.3	4504.1	4216.9	3867.0	3588.9	3274.9
45°	6881.8	6645.5	6448.1	6193.8	5987.5	5652.6	5377.5	4994.6	4644.6	4279.8	3896.9
47.5°	8093.0	7799.8	7512.7	7261.5	6932.6	6603.5	6253.7	5846.9	5398.3	4997.5	4542.9
50°	9483.6	9067.9	8670.1	8347.2	7895.6	7515.8	7135.9	6678.4	6181.8	5721.3	5203.8
52.5°	11029.9	10548.4	10022.1	9525.6	9002.1	8514.7	8057.0	7530.7	6977.5	6415.2	5838.0
55°	12896.2	12534.2	11915.2	11284.1	10584.2	9932.4	9343.0	8691.2	8018.1	7279.5	6672.4
57.5°	15818.2	15641.6	15124.2	14493.3	13581.0	12788.5	11789.6	10991.0	10016.1	8999.2	8215.6
60°	19777.9	19559.4	19269.4	18758.0	18034.2	16957.6	15857.0	14615.9	13132.4	11723.8	10387.0
62.5°	21889.4	21811.5	21575.4	21222.3	20546.5	19697.1	18587.6	17223.7	15549.0	13838.2	12133.5
63°	21952.0	21853.4	21650.0	21291.1	20696.0	19873.6	18784.9	17460.0	15821.1	14077.6	12336.8
65°	21102.8	21063.9	20857.4	20465.7	20059.1	19430.9	18587.6	17448.0	16072.2	14424.4	12692.7
67.5°	18716.2	18599.4	18282.5	18162.8	17878.8	17442.0	16799.1	16015.4	15031.6	13736.5	12241.1
70°	15830.0	15656.5	15258.8	15046.5	14699.6	14424.4	14032.7	13473.3	12866.2	11963.0	10847.5
72.5°	12770.5	12411.6	12046.7	11493.5	11009.0	10518.4	10084.7	9690.1	9023.0	8658.2	7811.8
75°	8293.3	7641.3	7016.4	6178.9	5425.2	4758.3	4109.2	3780.3	3095.5	2817.2	2419.5
77.5°	3935.8	3570.9	3080.6	2700.6	2216.1	1809.4	1477.4	1109.5	870.3	682.0	520.3
80°	3176.1	2868.1	2572.0	2228.1	1863.2	1486.3	1139.5	852.3	604.1	418.6	296.0
82.5°	2832.3	2497.2	2132.3	1896.1	1648.0	1348.9	1106.6	903.2	666.9	487.5	332.0
85°	1100.6	927.1	714.8	583.2	454.6	373.8	338.0	233.2	182.5	143.5	110.6
87.5°	95.7	77.7	62.8	42.0	44.9	24.0	26.9	18.0	14.9	14.9	12.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	660.9	658.0	654.9	648.9	648.9	643.1	640.0	637.1	622.0	589.2	562.3
5°	693.8	688.0	682.0	672.9	666.9	658.0	652.0	643.1	610.0	547.4	493.4
7.5°	741.7	729.7	720.8	702.9	693.8	682.0	672.9	658.0	604.1	508.3	433.7
10°	798.6	777.7	762.6	741.7	723.7	708.8	693.8	672.9	598.1	466.6	379.8
12.5°	867.4	843.4	813.5	789.5	765.7	744.6	723.7	696.9	589.2	430.6	338.0
15°	936.0	900.3	879.2	846.3	813.5	783.5	753.7	729.7	592.2	391.7	302.0
17.5°	1013.8	978.0	933.1	897.2	861.4	822.5	786.6	738.6	577.2	362.0	275.1
20°	1088.6	1037.8	996.0	951.1	900.3	852.3	807.5	765.7	565.2	332.0	251.2
22.5°	1169.4	1109.5	1055.7	998.9	936.0	882.3	828.3	774.6	544.3	305.1	230.3
25°	1268.0	1199.2	1121.5	1052.8	986.9	921.2	852.3	786.6	523.4	281.1	215.4
27.5°	1387.7	1298.0	1220.3	1133.5	1040.8	957.1	882.3	810.5	502.5	263.2	200.3
30°	1540.3	1435.5	1324.9	1214.3	1115.5	1019.8	915.2	825.4	481.5	245.2	185.4
32.5°	1743.7	1612.0	1477.4	1348.9	1217.2	1094.6	984.0	867.4	469.5	230.3	170.5
35°	2012.8	1842.3	1677.8	1516.3	1357.8	1208.3	1064.6	933.1	469.5	212.3	152.6
37.5°	2266.9	2069.7	1860.3	1659.8	1471.4	1298.0	1127.5	968.9	445.7	197.4	137.7
40°	2542.1	2305.8	2060.6	1824.3	1597.1	1381.7	1187.4	1004.9	424.6	179.4	122.6
42.5°	2963.8	2664.8	2344.8	2069.7	1797.4	1531.2	1288.9	1073.7	397.7	161.5	107.7
45°	3517.2	3137.2	2760.6	2425.5	2078.6	1752.6	1465.5	1199.2	391.7	146.6	92.6
47.5°	4109.2	3660.6	3218.0	2790.3	2383.7	2003.8	1659.8	1339.8	391.7	131.7	80.8
50°	4698.4	4136.3	3663.7	3167.2	2709.7	2260.9	1851.2	1486.3	394.8	119.7	65.7
52.5°	5230.9	4629.7	4100.3	3526.1	3020.6	2500.3	2054.6	1630.0	388.8	104.6	53.8
55°	5969.5	5263.8	4650.6	4016.6	3424.4	2838.3	2332.9	1845.2	391.7	92.6	44.9
57.5°	7330.4	6501.8	5763.2	4931.8	4249.8	3493.2	2880.1	2288.0	427.7	77.7	32.9
60°	9283.3	8206.7	7168.9	6154.9	5287.7	4387.5	3591.8	2895.1	502.5	62.8	24.0
62.5°	10596.2	9187.6	7949.5	6830.9	5823.0	4880.9	4013.5	3221.0	553.2	50.9	14.9
63°	10730.8	9274.4	8030.1	6875.8	5846.9	4904.9	4031.5	3244.9	556.3	47.8	14.9
65°	10985.0	9423.8	8075.0	6884.7	5823.0	4872.0	4019.5	3242.0	562.3	38.9	12.0
67.5°	10695.0	9193.6	7814.9	6627.5	5613.6	4677.5	3870.0	3122.3	559.2	26.9	8.9
70°	9564.4	8320.4	7109.0	6002.4	5081.2	4234.9	3523.2	2847.2	514.3	18.0	6.0
72.5°	7022.3	6175.8	5236.9	4438.3	3828.1	3179.2	2712.6	2138.3	397.7	12.0	2.9
75°	2081.5	1896.1	1594.0	1405.7	1241.2	1025.8	912.3	711.8	203.4	6.0	0.0
77.5°	415.7	376.9	338.0	308.0	290.0	248.3	236.3	194.3	83.7	2.9	0.0
80°	218.3	179.4	152.6	134.6	116.6	95.7	80.8	65.7	14.9	0.0	0.0
82.5°	209.4	140.6	101.7	83.7	71.7	56.8	44.9	32.9	8.9	0.0	0.0
85°	77.7	59.8	44.9	36.0	30.0	26.9	20.9	18.0	0.0	0.0	0.0
87.5°	12.0	8.9	8.9	6.0	6.0	2.9	2.9	2.9	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: P165002

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

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	631.1	631.1	631.1	631.1	631.1	631.1	631.1
2.5°	535.4	511.4	499.4	484.6	484.6	481.5	487.5
5°	445.7	412.8	388.8	370.9	373.8	364.9	368.0
7.5°	376.9	344.0	322.9	311.1	308.0	305.1	305.1
10°	326.0	296.0	278.1	269.2	266.2	266.2	266.2
12.5°	290.0	260.3	245.2	239.2	239.2	236.3	236.3
15°	260.3	236.3	221.4	215.4	215.4	212.3	215.4
17.5°	236.3	212.3	200.3	194.3	194.3	191.4	191.4
20°	215.4	194.3	182.5	173.4	173.4	170.5	173.4
22.5°	197.4	176.5	161.5	155.5	152.6	149.5	152.6
25°	179.4	158.6	143.5	134.6	131.7	131.7	128.6
27.5°	164.5	143.5	125.7	116.6	113.7	113.7	110.6
30°	149.5	125.7	107.7	98.6	95.7	95.7	95.7
32.5°	134.6	107.7	92.6	83.7	80.8	80.8	80.8
35°	119.7	92.6	77.7	68.8	65.7	65.7	65.7
37.5°	101.7	77.7	59.8	53.8	50.9	47.8	47.8
40°	86.8	59.8	44.9	38.9	32.9	32.9	32.9
42.5°	71.7	47.8	32.9	24.0	20.9	18.0	20.9
45°	59.8	36.0	20.9	12.0	8.9	8.9	8.9
47.5°	47.8	24.0	8.9	2.9	2.9	2.9	2.9
50°	36.0	14.9	2.9	0.0	0.0	2.9	2.9
52.5°	26.9	8.9	0.0	0.0	0.0	0.0	0.0
55°	14.9	2.9	0.0	0.0	0.0	0.0	0.0
57.5°	8.9	0.0	0.0	0.0	0.0	0.0	0.0
60°	6.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.9	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)