

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: STREETWORKS

Report Number: P165118

Luminaire Tested: **VST-E12-LED-E-U-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165118
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: STREETWORKS
Catalog Number: VST-E12-LED-E-U-SL2-HSS-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (252) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22307.5 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G4

Input Watts (W): 291.7
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: 28.75 FT



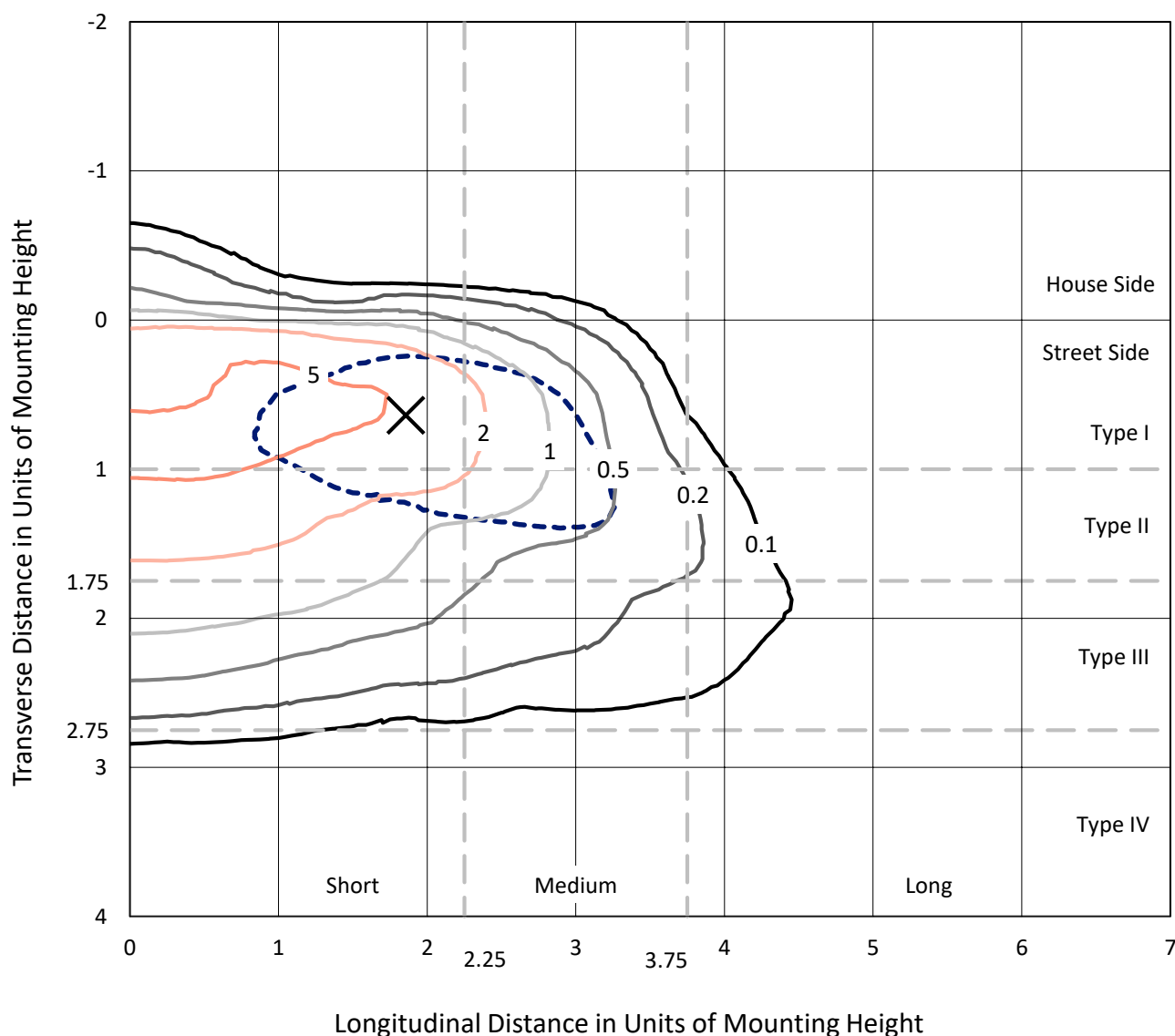
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

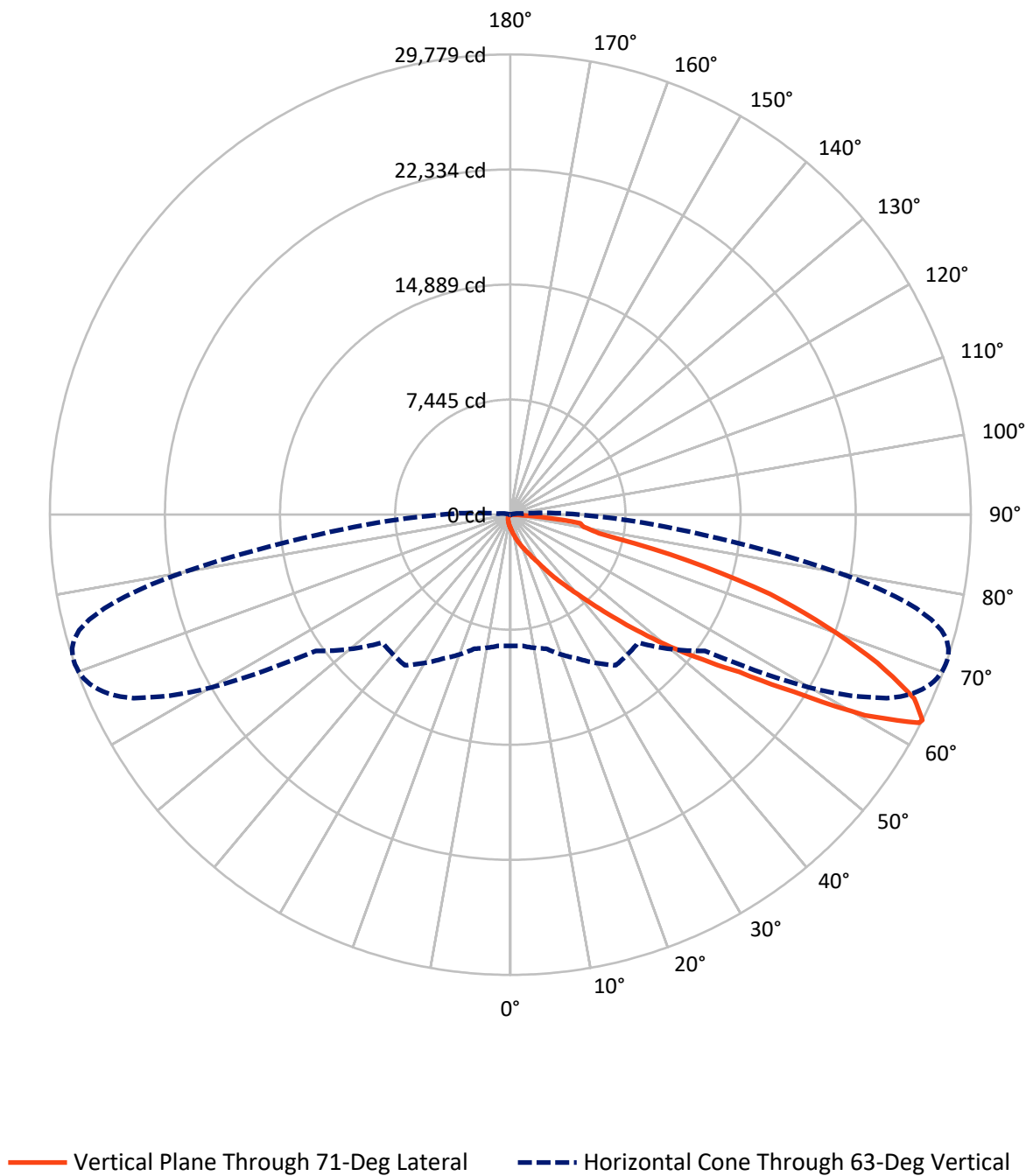


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.6	0.0	473.6
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	21833.9	0.0	21833.9
	% Fixture	97.9	0.0	97.9
Total	Lumens	22307.5	0.0	22307.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	0.4
10°-20°	366.8	1.6
20°-30°	745.0	3.3
30°-40°	1820.2	8.2
40°-50°	4070.7	18.2
50°-60°	5723.9	25.7
60°-70°	6730.8	30.2
70°-80°	2430.4	10.9
80°-90°	325.0	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°	22307.5	100.0
0°-180°	22307.5	100.0

Coefficient of Utilization



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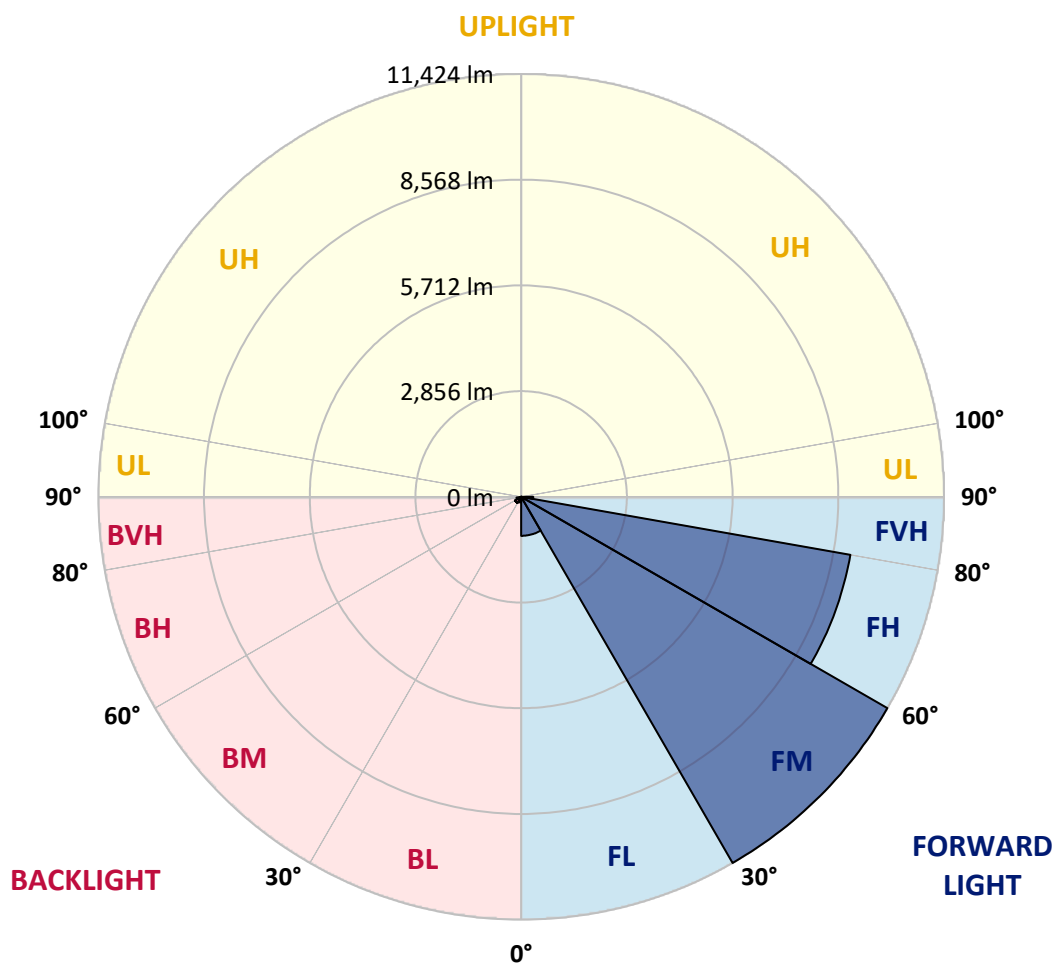
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1054.1	4.7			
FM	(30°-60°)	11424.0	51.2			
FH	(60°-80°)	9031.4	40.5			G4/12000
FVH	(80°-90°)	324.3	1.5			G3/500
BL	(0°-30°)	152.3	0.7	B1/500		
BM	(30°-60°)	190.8	0.9	B0/220		
BH	(60°-80°)	129.8	0.6	B1/500		G1/500
BVH	(80°-90°)	0.7	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-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	1119.3	1131.3	1123.2	1103.0	1078.6	1046.4	1017.8	1017.8	1013.9	1001.6	1005.7
5°	1468.0	1472.2	1455.9	1407.2	1362.6	1293.6	1216.6	1208.4	1200.3	1188.2	1184.3
7.5°	1808.8	1824.8	1808.8	1755.9	1666.7	1561.3	1439.7	1427.6	1403.2	1403.2	1387.0
10°	2157.5	2157.5	2141.3	2080.4	1999.2	1849.2	1695.0	1674.9	1646.5	1638.4	1614.0
12.5°	2404.8	2404.8	2396.7	2364.4	2299.4	2165.7	1979.0	1958.8	1922.3	1910.0	1881.7
15°	2502.1	2502.1	2506.2	2534.6	2538.7	2477.9	2283.1	2266.9	2230.4	2197.9	2185.9
17.5°	2562.9	2558.9	2558.9	2599.6	2672.5	2713.1	2587.3	2571.0	2530.6	2514.4	2473.7
20°	2696.9	2688.7	2664.3	2664.3	2733.3	2875.1	2875.1	2871.2	2826.6	2814.3	2794.1
22.5°	2895.6	2887.5	2814.3	2753.5	2786.0	2964.5	3130.8	3122.6	3106.4	3090.1	3078.1
25°	3219.9	3191.6	3065.8	2887.5	2859.1	3049.7	3325.3	3345.8	3357.8	3357.8	3366.0
27.5°	3710.7	3674.3	3451.2	3118.7	2992.9	3187.4	3540.3	3580.9	3617.4	3625.5	3662.0
30°	4391.9	4327.1	4006.7	3520.1	3232.2	3390.3	3856.8	3901.3	3954.0	3970.3	4026.9
32.5°	5511.2	5474.7	5166.6	4436.5	3820.1	3787.8	4298.8	4355.4	4424.4	4452.7	4521.7
35°	7214.6	7222.7	6971.3	6314.2	5462.7	5016.4	5089.6	5138.1	5162.5	5247.7	5284.1
37.5°	8370.3	8390.5	8447.4	8187.8	7579.6	7125.2	6553.4	6606.3	6480.5	6492.5	6496.7
40°	9003.0	9067.7	9400.4	9651.9	9603.1	9339.6	8881.3	8909.6	8674.4	8621.7	8366.1
42.5°	9424.6	9509.8	10041.2	10819.7	11217.1	11456.5	11351.1	11338.8	11156.3	11087.4	10872.4
45°	9688.3	9765.4	10434.5	11582.1	12498.7	13196.1	13484.0	13516.5	13362.4	13293.4	13115.1
47.5°	9676.0	9765.4	10483.0	11866.0	13216.6	14331.7	15142.9	15183.2	15276.6	15215.7	15227.8
50°	9140.9	9226.1	9947.9	11383.4	13005.5	14850.8	16335.0	16464.8	16614.8	16716.2	16765.0
52.5°	8492.0	8552.8	9193.6	10556.2	12105.2	14635.8	17040.6	17263.7	17486.8	17677.4	17811.1
55°	8252.6	8321.6	8824.4	9956.0	11383.4	13735.4	17369.1	17697.6	18014.1	18326.3	18581.7
57.5°	8378.4	8443.2	8804.2	9672.1	10953.6	12786.6	17462.4	17973.4	18492.6	18999.4	19502.2
60°	8840.7	8909.6	9218.0	9935.6	10840.1	12239.1	17097.5	17945.1	18808.8	19692.9	20524.2
62.5°	8658.2	8686.5	9140.9	10398.1	11651.1	11772.7	15771.3	16955.6	18273.6	19636.2	20978.4
63°	8483.8	8516.3	8978.6	10272.2	11898.6	11703.8	15361.8	16610.8	18001.7	19469.7	20929.8
65°	7693.1	7697.0	8049.9	9071.9	11622.7	11825.4	13537.0	14729.1	16326.9	18087.0	19932.2
67.5°	5742.4	5714.1	6054.7	6833.4	9124.6	11829.6	11618.6	12287.9	13399.0	14960.4	16614.8
70°	2035.9	1991.3	2542.7	3621.3	5685.5	9676.0	9984.3	10028.9	10337.2	11180.7	12218.9
72.5°	661.0	673.3	811.0	1326.1	2619.8	6513.0	9039.4	8901.5	8820.5	8816.3	8954.2
75°	263.5	267.7	324.3	588.1	1176.2	3138.9	7916.2	7993.0	8021.6	8062.0	8106.8
77.5°	125.6	137.9	182.5	328.5	583.9	1553.2	5665.3	6318.2	6691.3	6979.4	7153.8
80°	44.6	52.7	101.5	202.7	271.6	713.7	2984.7	3601.1	4148.6	4854.4	5462.7
82.5°	0.0	0.0	20.2	141.8	150.0	287.9	1224.7	1435.5	1642.3	2129.0	2733.3
85°	0.0	0.0	0.0	40.6	44.6	48.8	413.7	498.9	559.8	652.8	754.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	12.1	24.4	60.8	93.3
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	997.6	993.7	993.7	985.6	981.4	973.2	969.3	957.0	953.0	953.0	953.0
5°	1180.1	1163.8	1155.7	1135.5	1123.2	1119.3	1099.1	1091.0	1078.6	1082.8	1062.4
7.5°	1382.8	1354.5	1342.4	1313.8	1305.9	1277.4	1269.3	1249.1	1237.0	1212.6	1204.5
10°	1605.9	1569.4	1549.3	1504.4	1492.4	1472.2	1447.8	1423.4	1403.2	1378.8	1366.8
12.5°	1861.5	1829.0	1812.8	1751.9	1723.6	1695.0	1662.8	1630.3	1597.8	1577.6	1549.3
15°	2161.5	2108.8	2092.5	2035.9	1987.1	1950.7	1906.1	1865.5	1841.1	1800.7	1772.1
17.5°	2457.5	2404.8	2392.7	2307.5	2254.8	2230.4	2181.9	2129.0	2084.4	2044.0	1999.2
20°	2753.5	2717.0	2684.5	2603.5	2546.9	2506.2	2441.2	2388.5	2352.1	2295.4	2238.6
22.5°	3049.7	3013.1	2988.9	2903.7	2851.0	2794.1	2737.5	2680.6	2627.9	2558.9	2494.2
25°	3353.9	3329.5	3317.2	3240.4	3191.6	3138.9	3082.0	3017.2	2952.2	2875.1	2806.4
27.5°	3670.1	3678.2	3653.8	3637.6	3584.9	3548.4	3459.3	3414.7	3366.0	3272.6	3187.4
30°	4071.5	4095.9	4087.8	4100.1	4067.6	4043.2	3974.2	3917.6	3860.7	3771.6	3674.3
32.5°	4578.6	4611.1	4627.1	4671.9	4655.6	4647.5	4627.1	4546.1	4505.4	4351.5	4310.9
35°	5361.2	5344.9	5413.9	5450.3	5434.1	5426.2	5401.8	5357.3	5308.5	5198.9	5097.7
37.5°	6379.0	6395.3	6419.6	6346.7	6298.0	6294.0	6220.9	6176.3	6107.4	5985.7	5864.1
40°	8244.5	8143.3	8029.7	7721.4	7587.7	7510.6	7295.6	7234.8	7117.1	6950.8	6825.2
42.5°	10669.7	10568.2	10227.6	9712.7	9436.9	9055.7	8881.3	8666.3	8500.1	8228.5	8082.4
45°	13078.7	12786.6	12746.0	12145.8	11805.2	11302.3	10990.1	10629.1	10252.0	9895.2	9635.6
47.5°	15110.3	15045.3	14846.8	14481.6	14165.4	13743.6	13342.2	12786.6	12397.2	11890.4	11424.0
50°	16736.4	16732.5	16659.4	16448.6	16185.0	15844.5	15491.6	15021.2	14579.2	13958.6	13459.9
52.5°	17953.2	18018.0	18042.4	17977.4	17876.2	17576.0	17397.7	17004.1	16631.0	16103.8	15564.5
55°	18845.2	19084.6	19206.2	19344.1	19315.8	19210.4	19202.3	18946.7	18776.5	18358.6	17977.4
57.5°	19948.5	20341.8	20718.8	21388.1	21412.3	21647.7	21769.4	21891.0	21923.3	21757.0	21631.5
60°	21351.4	22154.5	22868.2	24267.5	24632.4	25208.2	25581.3	25986.9	26331.4	26360.0	26351.9
62.5°	22340.9	23577.9	24729.7	26806.0	27515.7	28180.9	28679.6	29073.1	29312.2	29555.5	29669.1
63°	22369.5	23724.0	24948.6	27089.9	27836.1	28468.8	28943.3	29308.3	29559.7	29705.5	29778.6
65°	21684.2	23326.5	24786.4	26919.5	27621.1	28258.0	28505.2	28744.6	28866.2	28922.9	28707.9
67.5°	18379.0	19984.9	21688.1	24072.7	24672.8	25435.3	25638.2	25759.8	25816.5	25804.4	25621.9
70°	13743.6	15090.2	16983.9	19709.1	20504.0	21250.2	21712.5	21911.2	21976.0	21955.8	21684.2
72.5°	9595.0	10385.7	11947.1	14980.6	16063.4	17020.4	17592.2	17888.2	17949.0	17827.4	17576.0
75°	8058.0	8098.7	8451.3	10109.9	11123.8	12145.8	12790.5	12977.2	12855.5	12486.4	11845.9
77.5°	7194.1	7283.5	7283.5	7530.8	7729.5	8013.5	8074.3	7619.9	7092.9	6411.5	5860.1
80°	6034.5	6346.7	6565.7	6748.2	6768.4	6711.7	6561.5	6306.1	5900.5	5381.4	4805.6
82.5°	3666.2	4282.6	4534.0	5474.7	5937.0	6249.2	6225.1	5884.3	5576.2	5036.9	4546.1
85°	924.7	997.6	1082.8	1407.2	1577.6	1926.3	2145.2	2246.7	2283.1	2096.7	1898.0
87.5°	89.1	60.8	101.5	77.1	109.6	81.0	109.6	101.5	125.6	133.7	146.0
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	944.9	940.7	936.8	932.9	928.7	924.7	916.6	916.6	908.5	904.3	900.3
5°	1050.3	1042.2	1038.3	1030.1	1017.8	1009.7	997.6	981.4	969.3	965.1	957.0
7.5°	1184.3	1163.8	1155.7	1143.7	1127.4	1103.0	1086.8	1074.7	1054.5	1042.2	1017.8
10°	1334.3	1313.8	1289.7	1265.3	1240.9	1212.6	1192.2	1176.2	1143.7	1127.4	1099.1
12.5°	1524.9	1488.4	1459.9	1427.6	1395.1	1362.6	1338.2	1289.7	1261.1	1224.7	1200.3
15°	1719.4	1686.9	1654.7	1614.0	1565.3	1512.6	1488.4	1443.6	1407.2	1350.5	1318.0
17.5°	1954.6	1893.8	1845.3	1796.5	1751.9	1703.2	1654.7	1585.7	1533.0	1484.2	1419.5
20°	2185.9	2113.0	2060.0	1995.2	1930.5	1853.4	1796.5	1747.7	1674.9	1610.1	1541.1
22.5°	2433.1	2360.2	2275.0	2210.2	2121.1	2060.0	1983.2	1901.9	1829.0	1743.8	1658.6
25°	2733.3	2656.2	2558.9	2473.7	2372.3	2287.3	2194.0	2100.6	2011.5	1914.2	1804.6
27.5°	3102.5	3021.2	2915.8	2814.3	2680.6	2575.2	2486.0	2360.2	2246.7	2125.0	1999.2
30°	3568.6	3479.5	3349.7	3203.7	3069.9	2952.2	2826.6	2660.4	2534.6	2388.5	2226.5
32.5°	4177.2	4071.5	3897.1	3759.2	3593.0	3438.8	3264.5	3098.3	2920.0	2729.4	2542.7
35°	4943.5	4846.3	4643.3	4440.7	4258.2	4075.7	3856.8	3666.2	3414.7	3183.5	2944.1
37.5°	5738.5	5563.9	5377.4	5158.5	4931.2	4712.3	4444.6	4181.1	3893.2	3641.8	3341.6
40°	6646.7	6435.9	6281.7	6046.6	5726.2	5413.9	5166.6	4838.1	4477.1	4140.5	3787.8
42.5°	7891.8	7656.6	7380.8	7024.0	6792.7	6427.8	6107.4	5718.0	5243.5	4866.4	4440.7
45°	9331.5	9011.1	8743.4	8398.6	8118.9	7664.8	7291.7	6772.5	6298.0	5803.2	5284.1
47.5°	10973.8	10576.4	10187.0	9846.4	9400.4	8954.2	8479.9	7928.3	7320.0	6776.5	6160.1
50°	12859.5	12295.8	11756.5	11318.6	10706.1	10191.2	9676.0	9055.7	8382.4	7757.8	7056.2
52.5°	14956.2	14303.3	13589.7	12916.4	12206.6	11545.7	10925.1	10211.4	9461.3	8698.8	7916.2
55°	17486.8	16996.0	16156.7	15301.0	14351.8	13468.0	12668.9	11785.0	10872.4	9870.8	9047.5
57.5°	21449.0	21209.6	20508.0	19652.5	18415.5	17340.8	15986.3	14903.5	13581.5	12202.7	11140.1
60°	26818.3	26522.0	26128.7	25435.3	24453.9	22994.0	21501.7	19818.7	17807.2	15897.2	14084.4
62.5°	29681.4	29575.7	29255.6	28776.8	27860.5	26708.7	25204.3	23354.8	21084.0	18764.2	16452.7
63°	29766.3	29632.6	29356.8	28870.2	28063.2	26948.1	25471.7	23675.2	21452.9	19088.8	16728.3
65°	28614.8	28562.1	28282.1	27750.9	27199.5	26347.7	25204.3	23659.0	21793.5	19559.1	17211.0
67.5°	25378.6	25220.3	24790.5	24628.3	24243.1	23650.8	22779.0	21716.4	20382.4	18626.3	16598.5
70°	21465.0	21229.8	20690.5	20402.6	19932.2	19559.1	19027.9	18269.4	17446.2	16221.5	14708.9
72.5°	17316.4	16829.8	16335.0	15584.9	14927.9	14262.7	13674.6	13139.5	12235.0	11740.2	10592.6
75°	11245.5	10361.4	9514.0	8378.4	7356.4	6452.2	5572.0	5126.0	4197.3	3820.1	3280.7
77.5°	5336.8	4842.1	4177.2	3662.0	3004.9	2453.5	2003.4	1504.4	1180.1	924.7	705.6
80°	4306.7	3889.0	3487.6	3021.2	2526.4	2015.4	1545.1	1155.7	819.1	567.6	401.4
82.5°	3840.5	3386.1	2891.4	2571.0	2234.6	1829.0	1500.5	1224.7	904.3	661.0	450.2
85°	1492.4	1257.2	969.3	790.8	616.4	506.8	458.3	316.2	247.5	194.5	150.0
87.5°	129.8	105.4	85.2	56.9	60.8	32.5	36.4	24.4	20.2	20.2	16.3
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	896.2	892.2	888.0	879.9	879.9	872.0	867.8	863.9	843.5	798.9	762.4
5°	940.7	932.9	924.7	912.4	904.3	892.2	884.1	872.0	827.2	742.2	669.1
7.5°	1005.7	989.5	977.4	953.0	940.7	924.7	912.4	892.2	819.1	689.3	588.1
10°	1082.8	1054.5	1034.1	1005.7	981.4	961.2	940.7	912.4	811.0	632.7	514.9
12.5°	1176.2	1143.7	1103.0	1070.5	1038.3	1009.7	981.4	944.9	798.9	583.9	458.3
15°	1269.3	1220.7	1192.2	1147.6	1103.0	1062.4	1022.0	989.5	803.1	531.2	409.5
17.5°	1374.7	1326.1	1265.3	1216.6	1168.0	1115.3	1066.6	1001.6	782.6	490.8	373.1
20°	1476.1	1407.2	1350.5	1289.7	1220.7	1155.7	1094.9	1038.3	766.4	450.2	340.6
22.5°	1585.7	1504.4	1431.5	1354.5	1269.3	1196.4	1123.2	1050.3	738.1	413.7	312.3
25°	1719.4	1626.1	1520.7	1427.6	1338.2	1249.1	1155.7	1066.6	709.7	381.2	292.1
27.5°	1881.7	1760.1	1654.7	1536.9	1411.3	1297.8	1196.4	1099.1	681.4	356.8	271.6
30°	2088.6	1946.5	1796.5	1646.5	1512.6	1382.8	1240.9	1119.3	652.8	332.5	251.4
32.5°	2364.4	2185.9	2003.4	1829.0	1650.5	1484.2	1334.3	1176.2	636.6	312.3	231.2
35°	2729.4	2498.1	2275.0	2056.1	1841.1	1638.4	1443.6	1265.3	636.6	287.9	206.9
37.5°	3073.9	2806.4	2522.5	2250.6	1995.2	1760.1	1528.8	1313.8	604.3	267.7	186.7
40°	3447.0	3126.6	2794.1	2473.7	2165.7	1873.6	1610.1	1362.6	575.8	243.3	166.2
42.5°	4018.8	3613.5	3179.5	2806.4	2437.3	2076.3	1747.7	1455.9	539.3	218.9	146.0
45°	4769.2	4254.0	3743.2	3288.9	2818.5	2376.5	1987.1	1626.1	531.2	198.7	125.6
47.5°	5572.0	4963.7	4363.6	3783.6	3232.2	2717.0	2250.6	1816.7	531.2	178.5	109.6
50°	6370.9	5608.7	4967.9	4294.6	3674.3	3065.8	2510.2	2015.4	535.4	162.3	89.1
52.5°	7092.9	6277.8	5559.9	4781.2	4095.9	3390.3	2786.0	2210.2	527.3	141.8	72.9
55°	8094.5	7137.5	6306.1	5446.4	4643.3	3848.6	3163.3	2502.1	531.2	125.6	60.8
57.5°	9939.8	8816.3	7814.7	6687.3	5762.6	4736.7	3905.3	3102.5	580.0	105.4	44.6
60°	12587.9	11128.0	9720.8	8345.9	7170.0	5949.3	4870.4	3925.7	681.4	85.2	32.5
62.5°	14368.1	12458.1	10779.3	9262.5	7895.8	6618.4	5442.2	4367.5	750.1	69.0	20.2
63°	14550.6	12575.8	10888.6	9323.4	7928.3	6650.9	5466.6	4400.0	754.3	64.8	20.2
65°	14895.4	12778.5	10949.4	9335.4	7895.8	6606.3	5450.3	4396.1	762.4	52.7	16.3
67.5°	14502.1	12466.2	10596.8	8986.7	7611.8	6342.6	5247.7	4233.8	758.3	36.4	12.1
70°	12969.1	11282.2	9639.6	8139.1	6890.0	5742.4	4777.3	3860.7	697.4	24.4	8.1
72.5°	9522.1	8374.3	7101.1	6018.2	5190.8	4310.9	3678.2	2899.5	539.3	16.3	3.9
75°	2822.4	2571.0	2161.5	1906.1	1683.0	1390.9	1237.0	965.1	275.8	8.1	0.0
77.5°	563.7	511.0	458.3	417.7	393.3	336.6	320.4	263.5	113.5	3.9	0.0
80°	296.0	243.3	206.9	182.5	158.1	129.8	109.6	89.1	20.2	0.0	0.0
82.5°	283.9	190.6	137.9	113.5	97.3	77.1	60.8	44.6	12.1	0.0	0.0
85°	105.4	81.0	60.8	48.8	40.6	36.4	28.3	24.4	0.0	0.0	0.0
87.5°	16.3	12.1	12.1	8.1	8.1	3.9	3.9	3.9	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



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CATALOG NUMBER: VST-E12-LED-E-U-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	855.8	855.8	855.8	855.8	855.8	855.8	855.8
2.5°	726.0	693.5	677.2	657.0	657.0	652.8	661.0
5°	604.3	559.8	527.3	502.9	506.8	494.7	498.9
7.5°	511.0	466.4	437.9	421.9	417.7	413.7	413.7
10°	442.0	401.4	377.0	365.0	361.0	361.0	361.0
12.5°	393.3	352.9	332.5	324.3	324.3	320.4	320.4
15°	352.9	320.4	300.2	292.1	292.1	287.9	292.1
17.5°	320.4	287.9	271.6	263.5	263.5	259.6	259.6
20°	292.1	263.5	247.5	235.2	235.2	231.2	235.2
22.5°	267.7	239.4	218.9	210.8	206.9	202.7	206.9
25°	243.3	215.0	194.5	182.5	178.5	178.5	174.4
27.5°	223.1	194.5	170.4	158.1	154.2	154.2	150.0
30°	202.7	170.4	146.0	133.7	129.8	129.8	129.8
32.5°	182.5	146.0	125.6	113.5	109.6	109.6	109.6
35°	162.3	125.6	105.4	93.3	89.1	89.1	89.1
37.5°	137.9	105.4	81.0	72.9	69.0	64.8	64.8
40°	117.7	81.0	60.8	52.7	44.6	44.6	44.6
42.5°	97.3	64.8	44.6	32.5	28.3	24.4	28.3
45°	81.0	48.8	28.3	16.3	12.1	12.1	12.1
47.5°	64.8	32.5	12.1	3.9	3.9	3.9	3.9
50°	48.8	20.2	3.9	0.0	0.0	3.9	3.9
52.5°	36.4	12.1	0.0	0.0	0.0	0.0	0.0
55°	20.2	3.9	0.0	0.0	0.0	0.0	0.0
57.5°	12.1	0.0	0.0	0.0	0.0	0.0	0.0
60°	8.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	3.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.9	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)