

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: P165107

Luminaire Tested: **VST-E11-LED-E-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165107
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-E11-LED-E-U-SL2-HSS
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (231) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19928.3 lumens
Efficiency: N/A
Efficacy: 73.9 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 - G4

Input Watts (W): 269.7
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



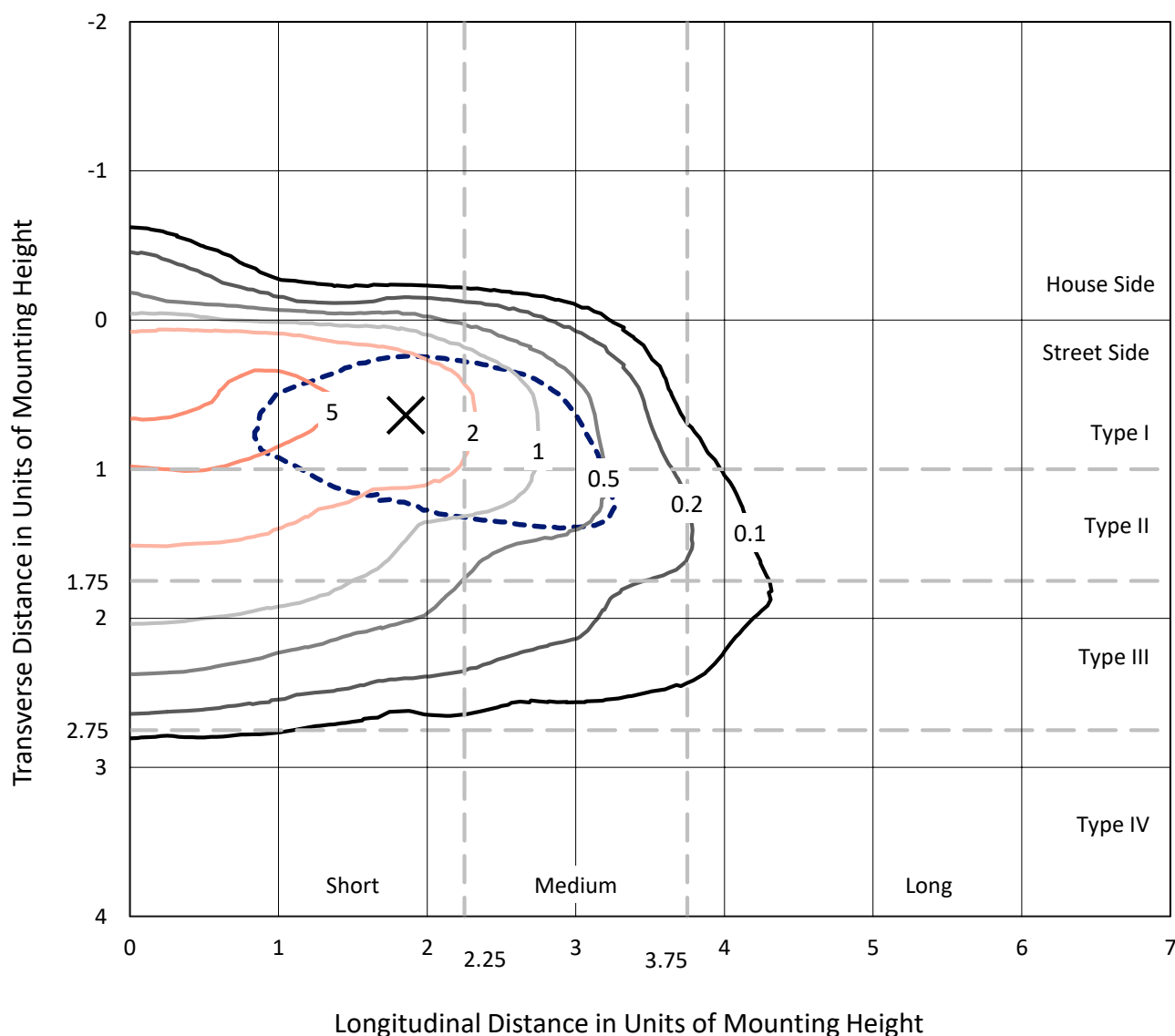
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

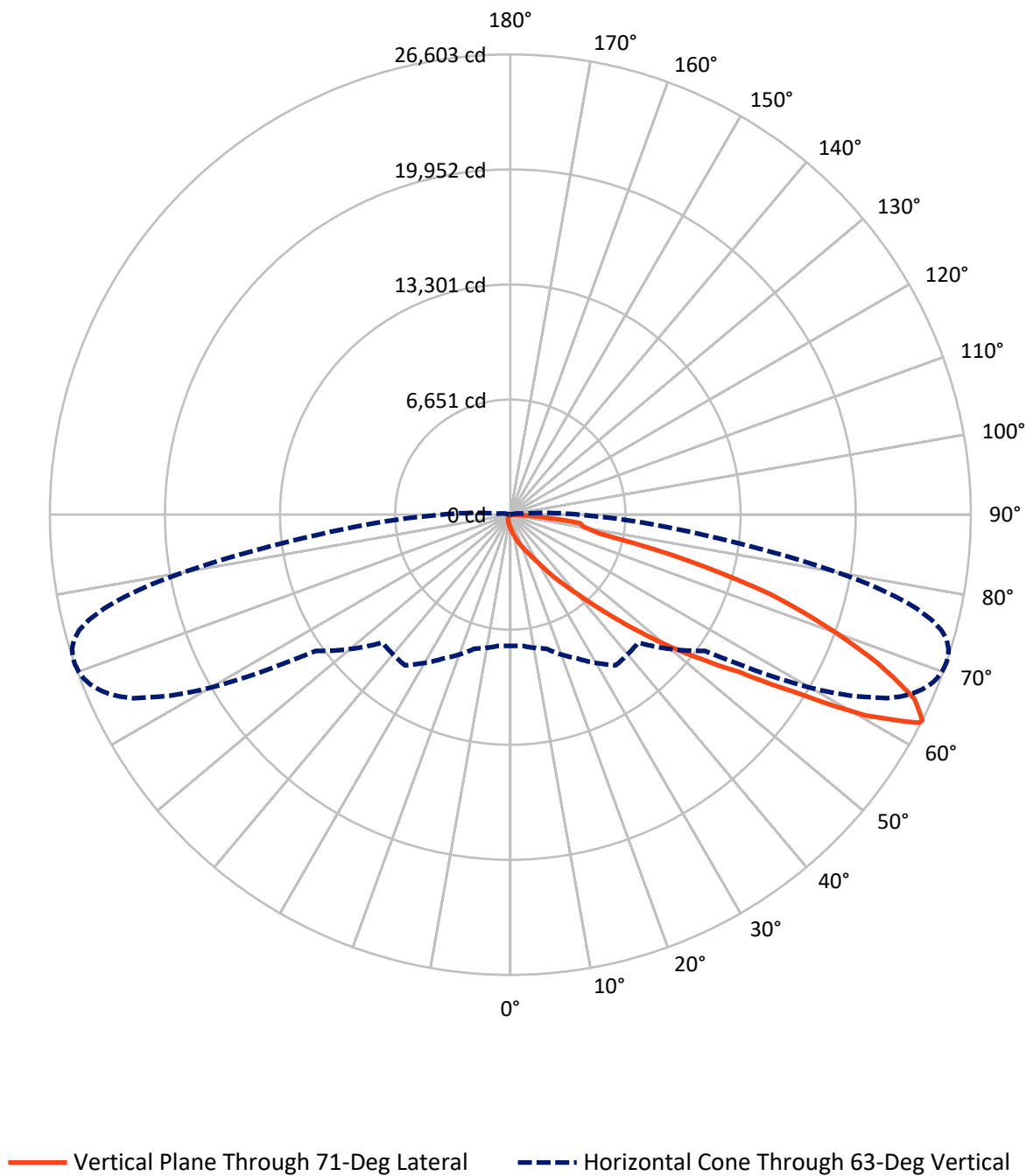


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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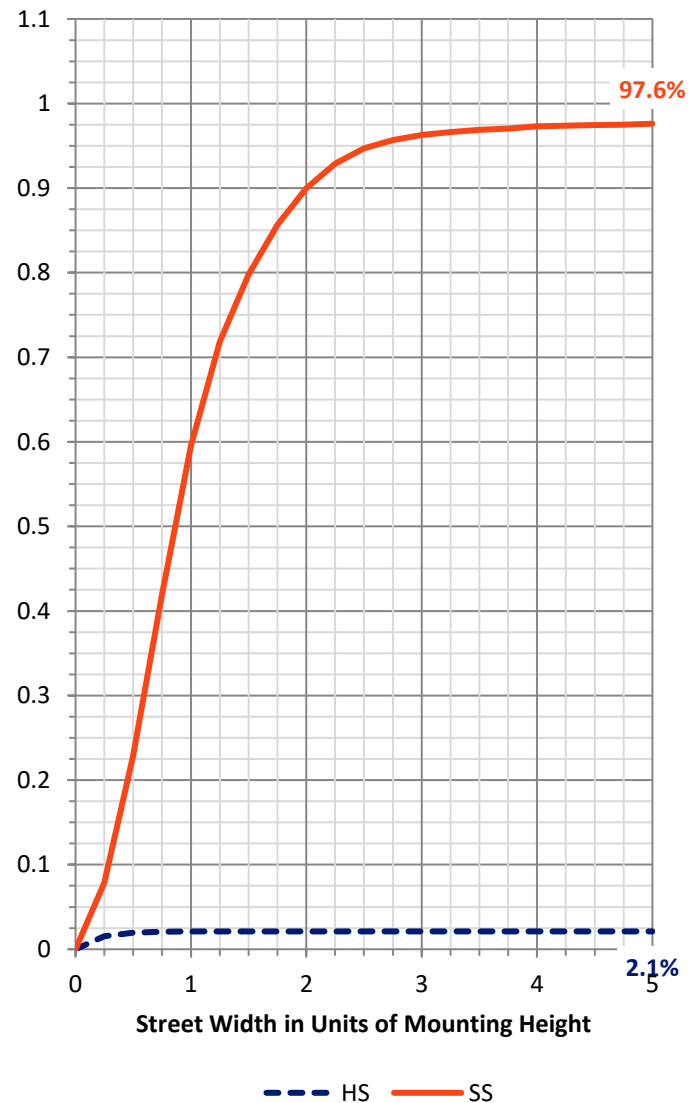
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.1	0.0	423.1
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	19505.2	0.0	19505.2
	% Fixture	97.9	0.0	97.9
Total	Lumens	19928.3	0.0	19928.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	0.4
10°-20°	327.7	1.6
20°-30°	665.6	3.3
30°-40°	1626.1	8.2
40°-50°	3636.6	18.2
50°-60°	5113.4	25.7
60°-70°	6013.0	30.2
70°-80°	2171.2	10.9
80°-90°	290.3	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°	19928.3	100.0
0°-180°	19928.3	100.0

Coefficient of Utilization



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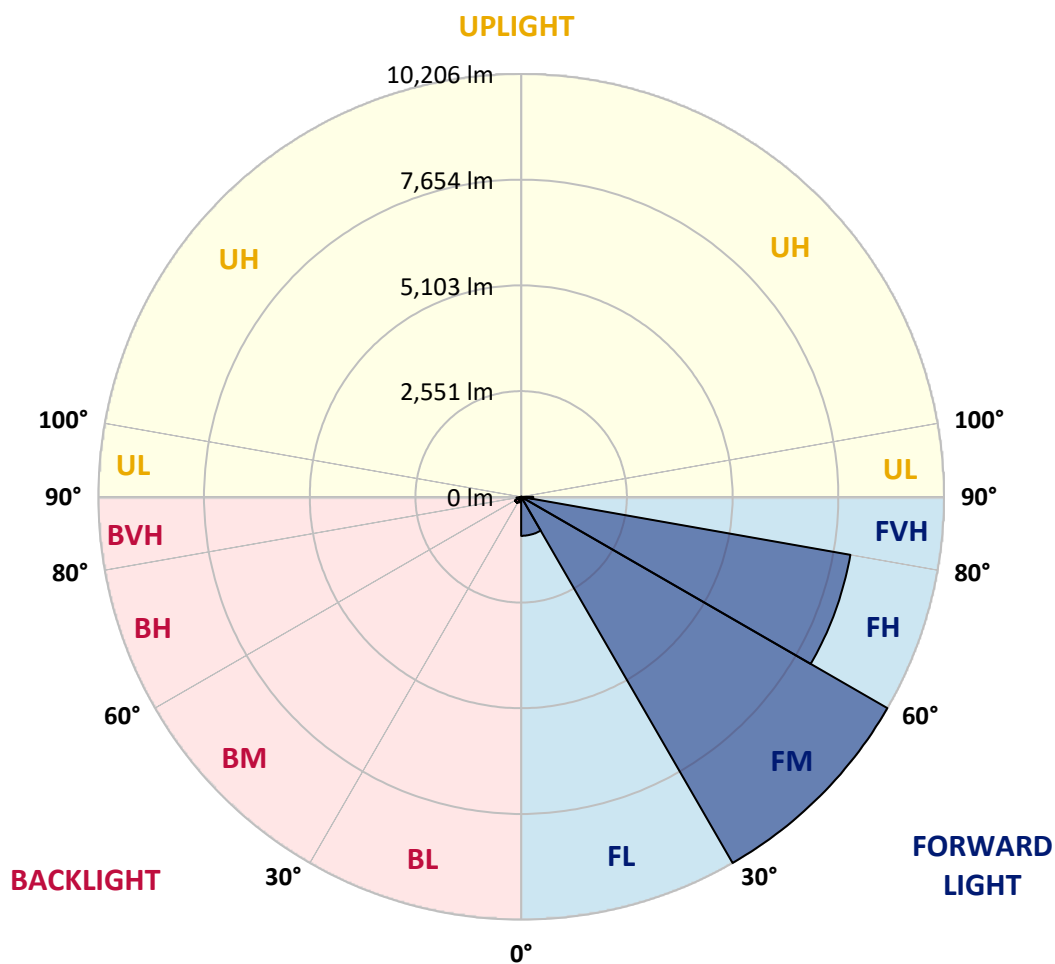
CATALOG NUMBER: VST-E11-LED-E-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.7	4.7			
FM	(30°-60°)	10205.6	51.2			
FH	(60°-80°)	8068.2	40.5			G4/12000
FVH	(80°-90°)	289.7	1.5			G3/500
BL	(0°-30°)	136.0	0.7	B1/500		
BM	(30°-60°)	170.4	0.9	B0/220		
BH	(60°-80°)	116.0	0.6	B1/500		G1/500
BVH	(80°-90°)	0.6	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°	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5
2.5°	999.9	1010.7	1003.4	985.4	963.6	934.8	909.3	909.3	905.7	894.7	898.5
5°	1311.4	1315.2	1300.6	1257.1	1217.3	1155.7	1086.8	1079.5	1072.3	1061.5	1058.0
7.5°	1615.9	1630.2	1615.9	1568.6	1489.0	1394.8	1286.1	1275.3	1253.6	1253.6	1239.0
10°	1927.4	1927.4	1912.9	1858.6	1786.0	1652.0	1514.3	1496.2	1470.9	1463.7	1441.9
12.5°	2148.3	2148.3	2141.0	2112.2	2054.1	1934.7	1767.9	1749.9	1717.3	1706.3	1681.0
15°	2235.2	2235.2	2238.9	2264.2	2268.0	2213.6	2039.6	2025.1	1992.5	1963.5	1952.7
17.5°	2289.5	2286.0	2286.0	2322.3	2387.4	2423.7	2311.3	2296.8	2260.7	2246.2	2209.9
20°	2409.2	2402.0	2380.2	2380.2	2441.8	2568.5	2568.5	2565.0	2525.2	2514.2	2496.1
22.5°	2586.8	2579.5	2514.2	2459.8	2488.9	2648.4	2796.9	2789.6	2775.1	2760.6	2749.8
25°	2876.5	2851.2	2738.8	2579.5	2554.2	2724.5	2970.7	2988.9	2999.7	2999.7	3007.0
27.5°	3315.0	3282.4	3083.1	2786.1	2673.7	2847.5	3162.7	3199.0	3231.6	3238.8	3271.4
30°	3923.5	3865.6	3579.4	3144.7	2887.5	3028.7	3445.4	3485.2	3532.3	3546.8	3597.4
32.5°	4923.4	4890.8	4615.6	3963.3	3412.6	3383.8	3840.3	3890.9	3952.5	3977.8	4039.4
35°	6445.1	6452.4	6227.8	5640.8	4880.0	4481.4	4546.7	4590.1	4611.9	4688.0	4720.5
37.5°	7477.6	7495.6	7546.4	7314.6	6771.2	6365.3	5854.4	5901.7	5789.3	5800.1	5803.8
40°	8042.8	8100.6	8397.8	8622.5	8578.9	8343.5	7934.1	7959.4	7749.3	7702.2	7473.8
42.5°	8419.4	8495.5	8970.3	9665.7	10020.8	10234.6	10140.5	10129.5	9966.4	9904.8	9712.8
45°	8655.0	8723.9	9321.6	10346.8	11165.7	11788.7	12045.9	12074.9	11937.2	11875.6	11716.3
47.5°	8644.0	8723.9	9365.0	10600.5	11807.0	12803.1	13527.8	13563.9	13647.3	13592.9	13603.7
50°	8166.0	8242.1	8886.9	10169.3	11618.4	13266.9	14592.8	14708.8	14842.7	14933.4	14976.9
52.5°	7586.3	7640.6	8213.0	9430.3	10814.1	13074.8	15223.1	15422.4	15621.8	15792.0	15911.5
55°	7372.4	7434.0	7883.3	8894.2	10169.3	12270.5	15516.6	15810.1	16092.8	16371.7	16599.9
57.5°	7484.8	7542.7	7865.2	8640.5	9785.4	11422.8	15600.0	16056.5	16520.2	16973.0	17422.2
60°	7897.8	7959.4	8234.8	8875.9	9684.0	10933.8	15273.9	16031.2	16802.7	17592.5	18335.2
62.5°	7734.8	7760.1	8166.0	9289.1	10408.4	10517.1	14089.2	15147.2	16324.7	17541.9	18740.9
63°	7579.0	7608.0	8021.0	9176.6	10629.5	10455.5	13723.4	14839.2	16081.8	17393.2	18697.6
65°	6872.6	6876.1	7191.4	8104.4	10383.1	10564.2	12093.2	13158.2	14585.6	16157.9	17806.4
67.5°	5130.0	5104.7	5408.9	6104.6	8151.4	10567.9	10379.4	10977.3	11970.0	13364.8	14842.7
70°	1818.7	1778.9	2271.5	3235.1	5079.1	8644.0	8919.5	8959.3	9234.7	9988.2	10915.7
72.5°	590.5	601.5	724.5	1184.7	2340.4	5818.3	8075.3	7952.1	7879.7	7876.0	7999.2
75°	235.4	239.1	289.7	525.4	1050.7	2804.1	7071.9	7140.5	7166.1	7202.1	7242.2
77.5°	112.2	123.2	163.0	293.5	521.6	1387.5	5061.1	5644.3	5977.6	6235.0	6390.8
80°	39.8	47.1	90.6	181.1	242.7	637.6	2666.4	3217.1	3706.1	4336.6	4880.0
82.5°	0.0	0.0	18.0	126.7	134.0	257.2	1094.1	1282.4	1467.2	1901.9	2441.8
85°	0.0	0.0	0.0	36.3	39.8	43.6	369.6	445.7	500.1	583.2	673.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10.8	21.8	54.3	83.4
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: VST-E11-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5
2.5°	891.2	887.7	887.7	880.4	876.7	869.4	865.9	854.9	851.4	851.4	851.4
5°	1054.2	1039.7	1032.5	1014.4	1003.4	999.9	981.9	974.6	963.6	967.3	949.1
7.5°	1235.3	1210.0	1199.2	1173.7	1166.7	1141.1	1133.9	1115.8	1105.1	1083.3	1076.0
10°	1434.6	1402.1	1384.0	1344.0	1333.2	1315.2	1293.4	1271.6	1253.6	1231.8	1221.0
12.5°	1663.0	1633.9	1619.4	1565.1	1539.8	1514.3	1485.4	1456.4	1427.4	1409.3	1384.0
15°	1930.9	1883.9	1869.3	1818.7	1775.2	1742.6	1702.8	1666.5	1644.7	1608.6	1583.1
17.5°	2195.4	2148.3	2137.5	2061.4	2014.3	1992.5	1949.2	1901.9	1862.1	1826.0	1786.0
20°	2459.8	2427.3	2398.2	2325.8	2275.2	2238.9	2180.9	2133.8	2101.2	2050.6	1999.8
22.5°	2724.5	2691.7	2670.1	2594.0	2546.9	2496.1	2445.5	2394.7	2347.6	2286.0	2228.2
25°	2996.2	2974.4	2963.4	2894.8	2851.2	2804.1	2753.3	2695.4	2637.4	2568.5	2507.1
27.5°	3278.7	3285.9	3264.1	3249.6	3202.5	3170.0	3090.3	3050.5	3007.0	2923.6	2847.5
30°	3637.3	3659.0	3651.8	3662.8	3633.7	3612.0	3550.4	3499.8	3448.9	3369.3	3282.4
32.5°	4090.2	4119.3	4133.6	4173.6	4159.1	4151.8	4133.6	4061.2	4024.9	3887.4	3851.1
35°	4789.4	4774.9	4836.5	4869.0	4854.5	4847.5	4825.7	4785.9	4742.3	4644.4	4554.0
37.5°	5698.7	5713.2	5735.0	5669.8	5626.3	5622.8	5557.4	5517.6	5456.0	5347.3	5238.6
40°	7365.2	7274.7	7173.3	6897.9	6778.4	6709.6	6517.5	6463.2	6358.0	6209.5	6097.3
42.5°	9531.7	9441.1	9136.8	8676.8	8430.4	8089.8	7934.1	7742.0	7593.5	7350.9	7220.4
45°	11683.8	11422.8	11386.5	10850.4	10546.1	10096.9	9817.9	9495.4	9158.6	8839.8	8607.9
47.5°	13498.8	13440.7	13263.4	12937.1	12654.6	12277.8	11919.2	11422.8	11075.0	10622.3	10205.6
50°	14951.4	14947.9	14882.6	14694.2	14458.8	14154.6	13839.3	13419.1	13024.2	12469.8	12024.3
52.5°	16038.4	16096.3	16118.1	16060.0	15969.6	15701.4	15542.1	15190.6	14857.3	14386.2	13904.4
55°	16835.3	17049.1	17157.8	17281.0	17255.7	17161.5	17154.3	16925.9	16773.9	16400.6	16060.0
57.5°	17820.9	18172.2	18509.0	19107.0	19128.6	19338.9	19447.6	19556.2	19585.1	19436.6	19324.4
60°	19074.2	19791.6	20429.2	21679.2	22005.3	22519.6	22852.9	23215.3	23523.1	23548.6	23541.3
62.5°	19958.2	21063.2	22092.2	23947.0	24581.0	25175.3	25620.8	25972.3	26185.9	26403.3	26504.7
63°	19983.7	21193.7	22287.8	24200.7	24867.3	25432.4	25856.4	26182.4	26407.0	26537.3	26602.6
65°	19371.4	20838.6	22142.8	24048.4	24675.2	25244.1	25465.0	25678.8	25787.5	25838.1	25646.1
67.5°	16418.8	17853.4	19375.0	21505.2	22041.4	22722.5	22903.8	23012.4	23063.0	23052.3	22889.2
70°	12277.8	13480.7	15172.5	17607.0	18317.2	18983.8	19396.7	19574.3	19632.1	19614.1	19371.4
72.5°	8571.6	9278.1	10672.9	13382.8	14350.2	15205.1	15715.9	15980.4	16034.7	15926.0	15701.4
75°	7198.6	7234.9	7550.0	9031.7	9937.4	10850.4	11426.4	11593.1	11484.4	11154.7	10582.4
77.5°	6426.9	6506.7	6506.7	6727.6	6905.1	7158.8	7213.1	6807.2	6336.4	5727.7	5235.1
80°	5390.9	5669.8	5865.4	6028.4	6046.5	5995.9	5861.7	5633.5	5271.2	4807.4	4293.1
82.5°	3275.1	3825.8	4050.4	4890.8	5303.8	5582.7	5561.2	5256.7	4981.5	4499.7	4061.2
85°	826.1	891.2	967.3	1257.1	1409.3	1720.8	1916.4	2007.1	2039.6	1873.1	1695.5
87.5°	79.6	54.3	90.6	68.9	97.9	72.4	97.9	90.6	112.2	119.5	130.5
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°	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5
2.5°	844.1	840.4	836.9	833.4	829.6	826.1	818.8	818.8	811.6	807.8	804.3
5°	938.3	931.0	927.5	920.3	909.3	902.0	891.2	876.7	865.9	862.2	854.9
7.5°	1058.0	1039.7	1032.5	1021.7	1007.2	985.4	970.9	960.1	942.0	931.0	909.3
10°	1192.0	1173.7	1152.1	1130.4	1108.6	1083.3	1065.0	1050.7	1021.7	1007.2	981.9
12.5°	1362.2	1329.7	1304.2	1275.3	1246.3	1217.3	1195.5	1152.1	1126.6	1094.1	1072.3
15°	1536.0	1507.0	1478.2	1441.9	1398.3	1351.2	1329.7	1289.6	1257.1	1206.5	1177.4
17.5°	1746.1	1691.8	1648.5	1604.9	1565.1	1521.5	1478.2	1416.6	1369.5	1325.9	1268.1
20°	1952.7	1887.6	1840.3	1782.4	1724.6	1655.7	1604.9	1561.3	1496.2	1438.4	1376.8
22.5°	2173.6	2108.5	2032.4	1974.5	1894.9	1840.3	1771.7	1699.1	1633.9	1557.8	1481.7
25°	2441.8	2372.9	2286.0	2209.9	2119.3	2043.4	1960.0	1876.6	1797.0	1710.1	1612.2
27.5°	2771.6	2699.0	2604.8	2514.2	2394.7	2300.5	2220.9	2108.5	2007.1	1898.4	1786.0
30°	3188.0	3108.4	2992.4	2862.0	2742.5	2637.4	2525.2	2376.7	2264.2	2133.8	1989.0
32.5°	3731.6	3637.3	3481.5	3358.3	3209.8	3072.1	2916.3	2767.8	2608.5	2438.3	2271.5
35°	4416.3	4329.4	4148.1	3967.0	3804.0	3641.0	3445.4	3275.1	3050.5	2843.9	2630.1
37.5°	5126.4	4970.5	4803.9	4608.3	4405.3	4209.7	3970.6	3735.2	3478.0	3253.4	2985.2
40°	5937.8	5749.5	5611.8	5401.7	5115.4	4836.5	4615.6	4322.1	3999.6	3698.9	3383.8
42.5°	7050.1	6840.0	6593.6	6274.8	6068.3	5742.2	5456.0	5108.2	4684.2	4347.4	3967.0
45°	8336.2	8050.0	7810.9	7502.9	7253.0	6847.3	6514.0	6050.2	5626.3	5184.3	4720.5
47.5°	9803.4	9448.3	9100.5	8796.3	8397.8	7999.2	7575.5	7082.7	6539.3	6053.7	5503.1
50°	11488.0	10984.4	10502.6	10111.4	9564.3	9104.3	8644.0	8089.8	7488.4	6930.4	6303.7
52.5°	13361.0	12777.8	12140.3	11538.8	10904.7	10314.3	9759.9	9122.3	8452.2	7771.1	7071.9
55°	15621.8	15183.3	14433.5	13669.0	12821.2	12031.6	11317.7	10528.1	9712.8	8818.0	8082.6
57.5°	19161.3	18947.5	18320.7	17556.4	16451.4	15491.3	14281.3	13314.0	12133.0	10901.2	9951.9
60°	23958.0	23693.3	23342.0	22722.5	21845.8	20541.6	19208.4	17704.9	15908.0	14201.7	12582.2
62.5°	26515.7	26421.3	26135.3	25707.7	24889.0	23860.1	22516.1	20863.9	18835.3	16762.9	14698.0
63°	26591.6	26472.2	26225.8	25791.0	25070.1	24073.9	22755.0	21150.1	19164.9	17052.9	14944.2
65°	25562.9	25515.8	25265.7	24791.1	24298.6	23537.6	22516.1	21135.6	19469.1	17473.1	15375.4
67.5°	22671.9	22530.4	22146.5	22001.5	21657.5	21128.4	20349.6	19400.3	18208.5	16639.7	14828.2
70°	19175.6	18965.5	18483.7	18226.6	17806.4	17473.1	16998.5	16320.9	15585.5	14491.4	13140.2
72.5°	15469.5	15034.8	14592.8	13922.7	13335.7	12741.5	12216.2	11738.1	10930.0	10488.1	9462.9
75°	10046.1	9256.3	8499.3	7484.8	6571.8	5764.0	4977.7	4579.3	3749.7	3412.6	2930.8
77.5°	4767.6	4325.6	3731.6	3271.4	2684.4	2191.9	1789.7	1344.0	1054.2	826.1	630.3
80°	3847.4	3474.2	3115.6	2699.0	2257.0	1800.5	1380.3	1032.5	731.7	507.1	358.6
82.5°	3430.9	3025.0	2583.0	2296.8	1996.3	1633.9	1340.5	1094.1	807.8	590.5	402.2
85°	1333.2	1123.1	865.9	706.4	550.7	452.8	409.4	282.5	221.1	173.8	134.0
87.5°	115.9	94.2	76.1	50.8	54.3	29.0	32.6	21.8	18.0	18.0	14.5
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-E11-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5	764.5
2.5°	800.6	797.1	793.3	786.1	786.1	779.0	775.3	771.8	753.5	713.7	681.1
5°	840.4	833.4	826.1	815.1	807.8	797.1	789.8	779.0	739.0	663.1	597.7
7.5°	898.5	884.0	873.2	851.4	840.4	826.1	815.1	797.1	731.7	615.8	525.4
10°	967.3	942.0	923.8	898.5	876.7	858.7	840.4	815.1	724.5	565.2	460.0
12.5°	1050.7	1021.7	985.4	956.3	927.5	902.0	876.7	844.1	713.7	521.6	409.4
15°	1133.9	1090.5	1065.0	1025.2	985.4	949.1	913.0	884.0	717.4	474.5	365.9
17.5°	1228.0	1184.7	1130.4	1086.8	1043.5	996.4	952.8	894.7	699.2	438.5	333.3
20°	1318.7	1257.1	1206.5	1152.1	1090.5	1032.5	978.1	927.5	684.6	402.2	304.3
22.5°	1416.6	1344.0	1278.9	1210.0	1133.9	1068.8	1003.4	938.3	659.3	369.6	279.0
25°	1536.0	1452.7	1358.5	1275.3	1195.5	1115.8	1032.5	952.8	634.0	340.6	260.9
27.5°	1681.0	1572.3	1478.2	1373.0	1260.8	1159.4	1068.8	981.9	608.7	318.8	242.7
30°	1865.8	1738.9	1604.9	1470.9	1351.2	1235.3	1108.6	999.9	583.2	297.0	224.6
32.5°	2112.2	1952.7	1789.7	1633.9	1474.4	1325.9	1192.0	1050.7	568.7	279.0	206.6
35°	2438.3	2231.7	2032.4	1836.8	1644.7	1463.7	1289.6	1130.4	568.7	257.2	184.8
37.5°	2746.0	2507.1	2253.5	2010.6	1782.4	1572.3	1365.8	1173.7	539.9	239.1	166.8
40°	3079.3	2793.1	2496.1	2209.9	1934.7	1673.8	1438.4	1217.3	514.4	217.4	148.5
42.5°	3590.2	3228.1	2840.4	2507.1	2177.3	1854.8	1561.3	1300.6	481.8	195.6	130.5
45°	4260.5	3800.3	3344.0	2938.1	2517.9	2123.0	1775.2	1452.7	474.5	177.5	112.2
47.5°	4977.7	4434.3	3898.2	3380.1	2887.5	2427.3	2010.6	1622.9	474.5	159.5	97.9
50°	5691.4	5010.5	4438.1	3836.6	3282.4	2738.8	2242.5	1800.5	478.3	145.0	79.6
52.5°	6336.4	5608.2	4966.9	4271.3	3659.0	3028.7	2488.9	1974.5	471.0	126.7	65.1
55°	7231.2	6376.3	5633.5	4865.5	4148.1	3438.2	2825.9	2235.2	474.5	112.2	54.3
57.5°	8879.6	7876.0	6981.3	5974.1	5148.0	4231.5	3488.8	2771.6	518.1	94.2	39.8
60°	11245.3	9941.1	8684.1	7455.8	6405.3	5314.8	4350.9	3507.0	608.7	76.1	29.0
62.5°	12835.7	11129.4	9629.6	8274.6	7053.6	5912.5	4861.8	3901.7	670.1	61.6	18.0
63°	12998.7	11234.5	9727.3	8329.0	7082.7	5941.5	4883.6	3930.7	673.9	57.9	18.0
65°	13306.7	11415.6	9781.6	8339.8	7053.6	5901.7	4869.0	3927.2	681.1	47.1	14.5
67.5°	12955.4	11136.6	9466.6	8028.2	6800.0	5666.1	4688.0	3782.2	677.4	32.6	10.8
70°	11585.9	10078.9	8611.5	7271.0	6155.2	5130.0	4267.8	3448.9	623.0	21.8	7.3
72.5°	8506.5	7481.1	6343.7	5376.4	4637.2	3851.1	3285.9	2590.3	481.8	14.5	3.5
75°	2521.4	2296.8	1930.9	1702.8	1503.5	1242.6	1105.1	862.2	246.4	7.3	0.0
77.5°	503.6	456.5	409.4	373.1	351.3	300.7	286.2	235.4	101.4	3.5	0.0
80°	264.4	217.4	184.8	163.0	141.2	115.9	97.9	79.6	18.0	0.0	0.0
82.5°	253.7	170.3	123.2	101.4	86.9	68.9	54.3	39.8	10.8	0.0	0.0
85°	94.2	72.4	54.3	43.6	36.3	32.6	25.3	21.8	0.0	0.0	0.0
87.5°	14.5	10.8	10.8	7.3	7.3	3.5	3.5	3.5	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-E11-LED-E-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	764.5	764.5	764.5	764.5	764.5	764.5	764.5
2.5°	648.6	619.5	605.0	587.0	587.0	583.2	590.5
5°	539.9	500.1	471.0	449.2	452.8	442.0	445.7
7.5°	456.5	416.7	391.2	376.9	373.1	369.6	369.6
10°	394.9	358.6	336.8	326.0	322.5	322.5	322.5
12.5°	351.3	315.3	297.0	289.7	289.7	286.2	286.2
15°	315.3	286.2	268.2	260.9	260.9	257.2	260.9
17.5°	286.2	257.2	242.7	235.4	235.4	231.9	231.9
20°	260.9	235.4	221.1	210.1	210.1	206.6	210.1
22.5°	239.1	213.8	195.6	188.3	184.8	181.1	184.8
25°	217.4	192.1	173.8	163.0	159.5	159.5	155.8
27.5°	199.3	173.8	152.2	141.2	137.7	137.7	134.0
30°	181.1	152.2	130.5	119.5	115.9	115.9	115.9
32.5°	163.0	130.5	112.2	101.4	97.9	97.9	97.9
35°	145.0	112.2	94.2	83.4	79.6	79.6	79.6
37.5°	123.2	94.2	72.4	65.1	61.6	57.9	57.9
40°	105.2	72.4	54.3	47.1	39.8	39.8	39.8
42.5°	86.9	57.9	39.8	29.0	25.3	21.8	25.3
45°	72.4	43.6	25.3	14.5	10.8	10.8	10.8
47.5°	57.9	29.0	10.8	3.5	3.5	3.5	3.5
50°	43.6	18.0	3.5	0.0	0.0	3.5	3.5
52.5°	32.6	10.8	0.0	0.0	0.0	0.0	0.0
55°	18.0	3.5	0.0	0.0	0.0	0.0	0.0
57.5°	10.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	7.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	3.5	0.0	0.0	0.0	0.0	0.0	0.0
63°	3.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.5	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)