

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: P165116

Luminaire Tested: **VST-E12-LED-E-U-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165116
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-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(12) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (252) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19856.2 lumens
Efficiency: N/A
Efficacy: 68.1 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

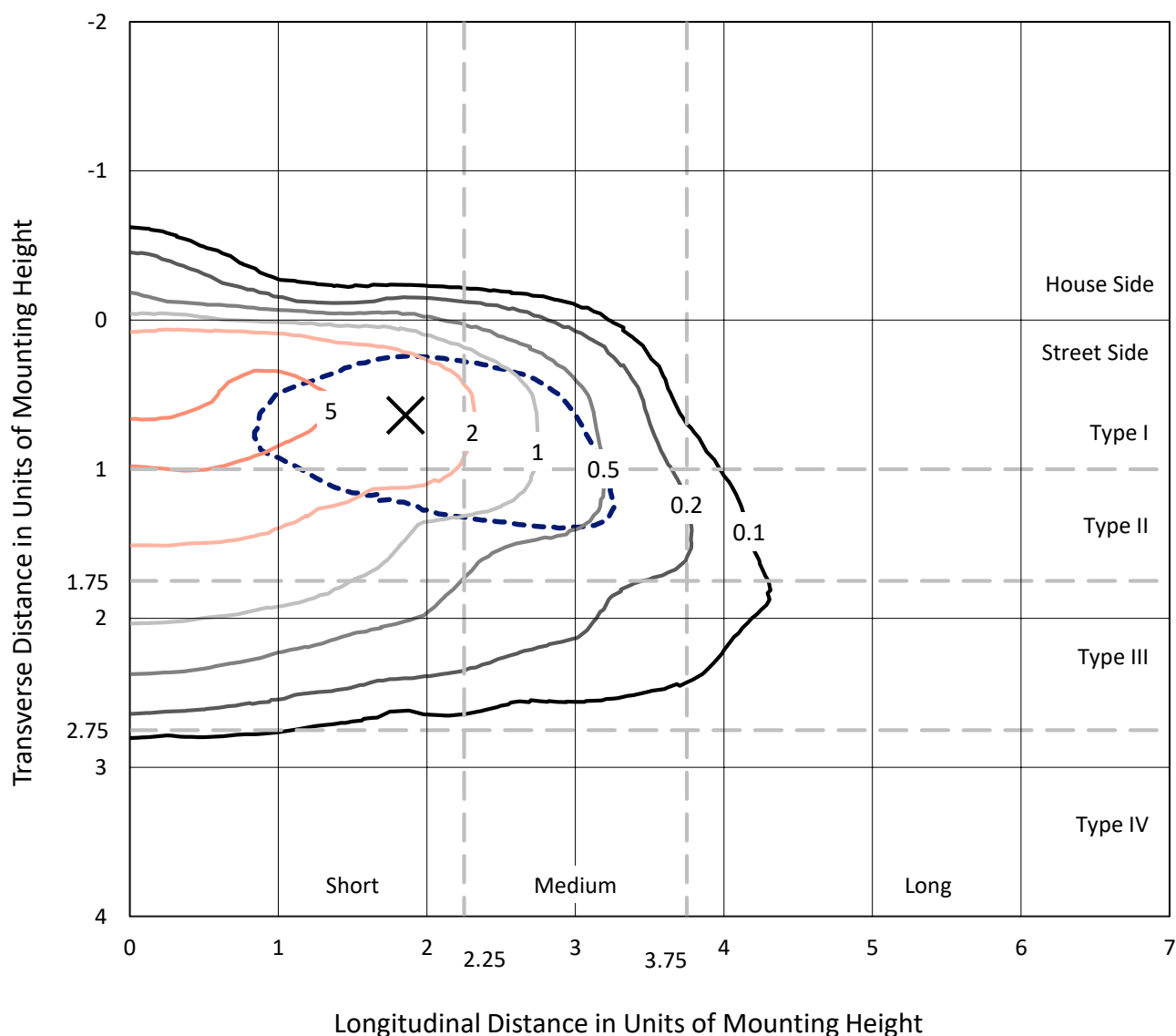


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

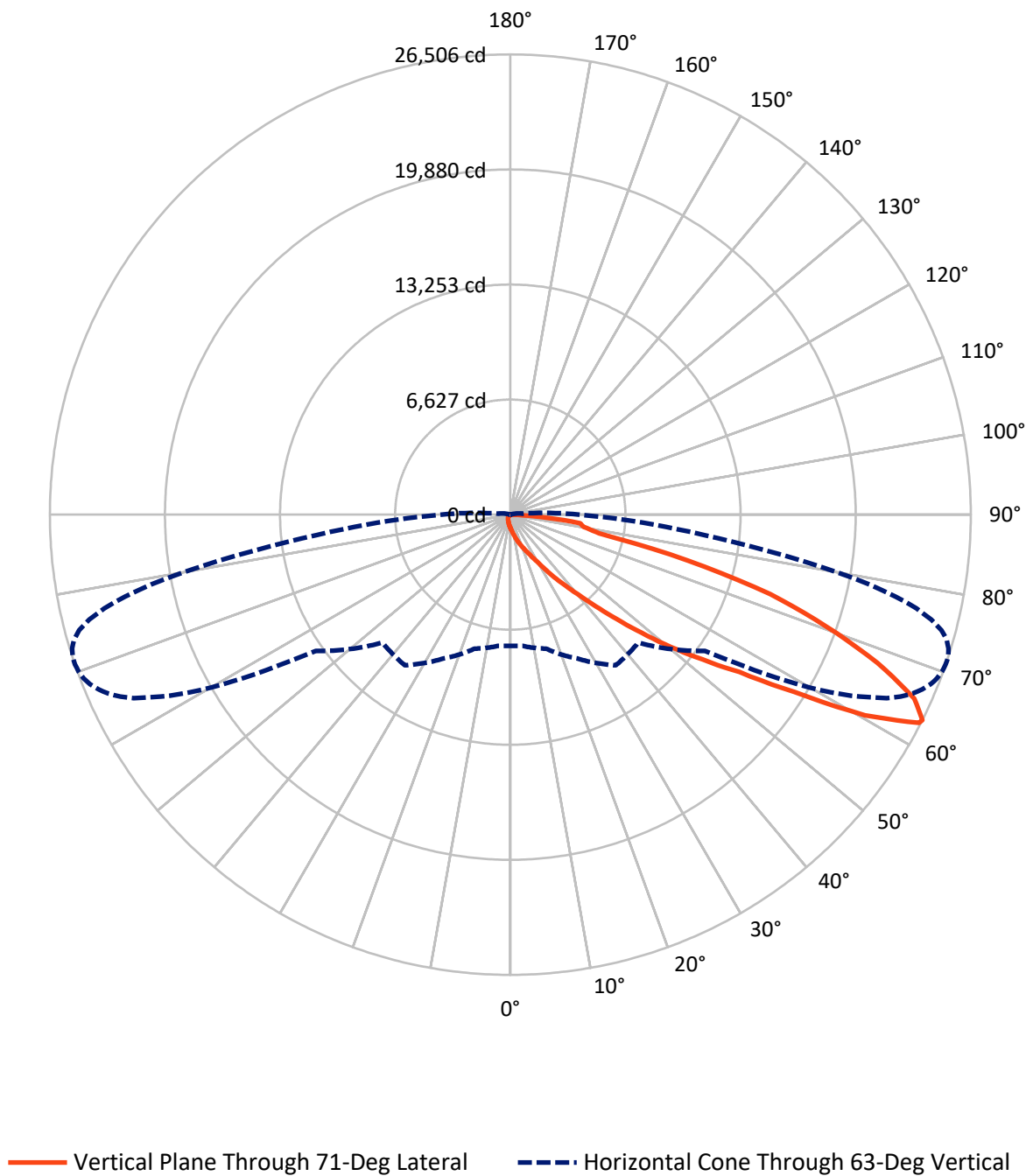


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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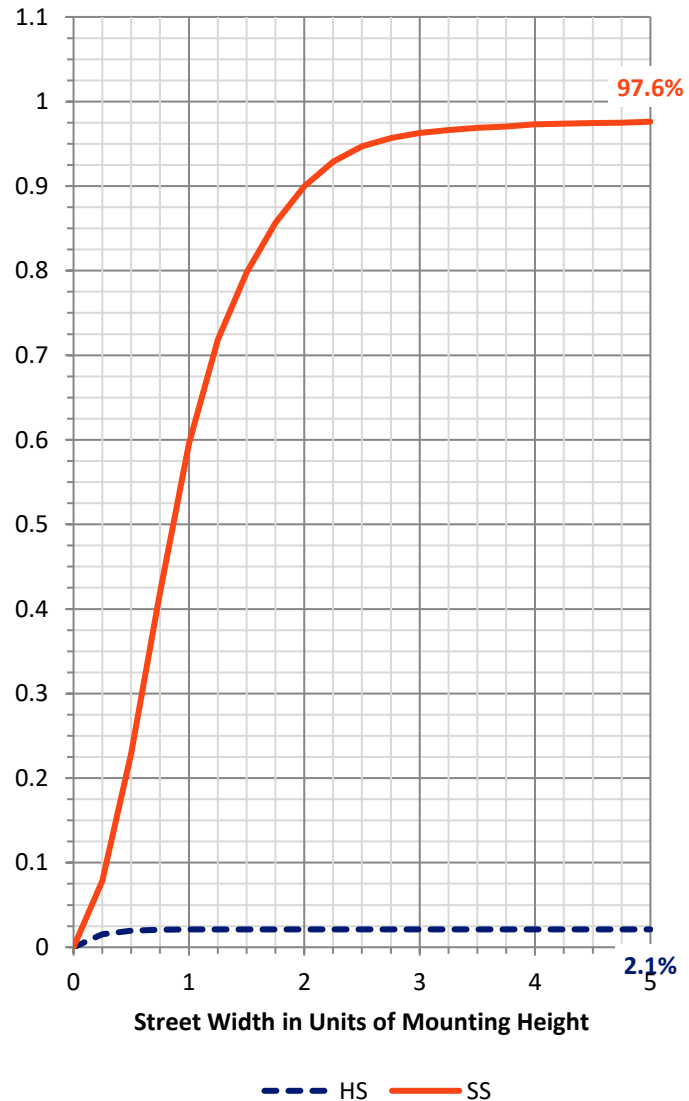
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	421.6	0.0	421.6
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	19434.6	0.0	19434.6
	% Fixture	97.9	0.0	97.9
Total	Lumens	19856.2	0.0	19856.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	0.4
10°-20°	326.5	1.6
20°-30°	663.1	3.3
30°-40°	1620.2	8.2
40°-50°	3623.4	18.2
50°-60°	5094.9	25.7
60°-70°	5991.2	30.2
70°-80°	2163.4	10.9
80°-90°	289.3	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°	19856.2	100.0
0°-180°	19856.2	100.0

Coefficient of Utilization



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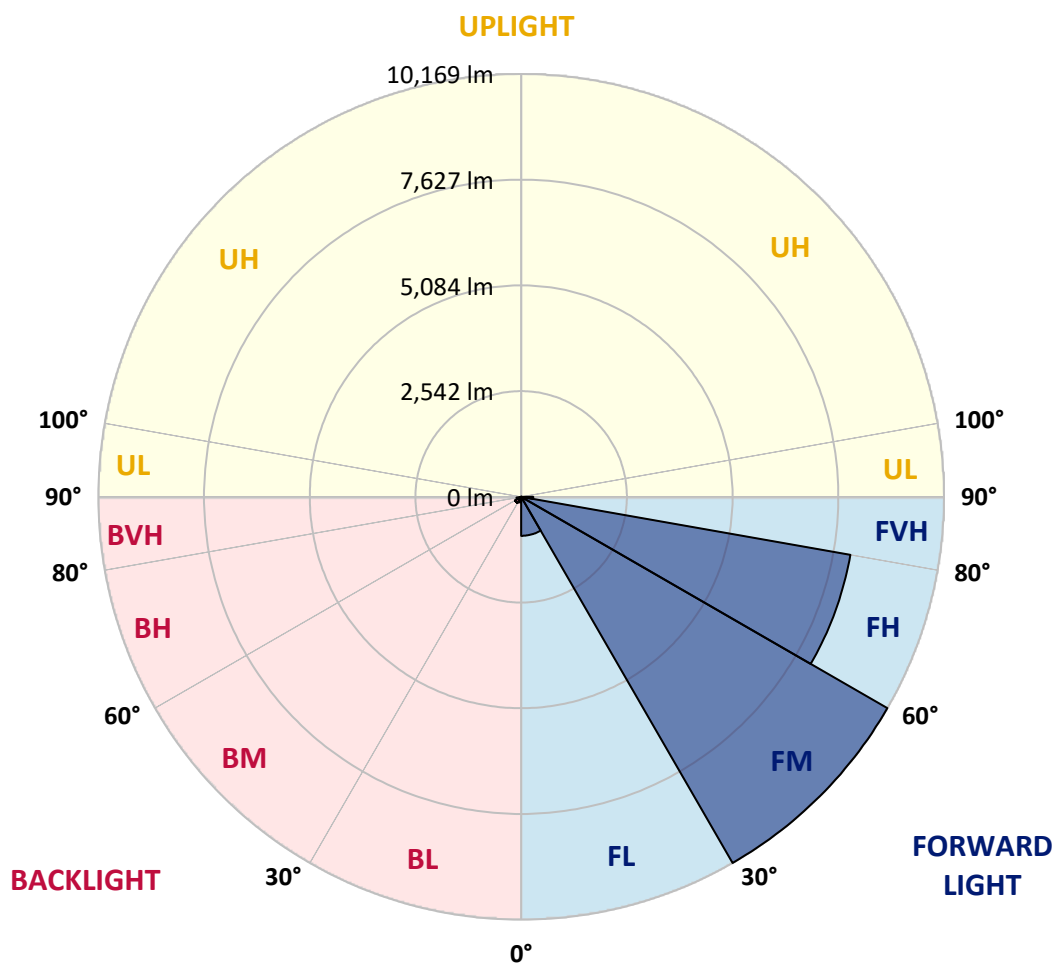
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	938.3	4.7			
FM	(30°-60°)	10168.7	51.2			
FH	(60°-80°)	8039.0	40.5			G4/12000
FVH	(80°-90°)	288.7	1.5			G3/500
BL	(0°-30°)	135.5	0.7	B1/500		
BM	(30°-60°)	169.8	0.9	B0/220		
BH	(60°-80°)	115.6	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°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	996.3	1007.0	999.8	981.8	960.1	931.4	906.0	906.0	902.5	891.5	895.2
5°	1306.7	1310.4	1295.9	1252.5	1212.9	1151.5	1082.9	1075.6	1068.4	1057.7	1054.2
7.5°	1610.1	1624.3	1610.1	1562.9	1483.6	1389.8	1281.5	1270.7	1249.0	1249.0	1234.6
10°	1920.4	1920.4	1906.0	1851.8	1779.5	1646.0	1508.8	1490.8	1465.6	1458.4	1436.7
12.5°	2140.5	2140.5	2133.3	2104.6	2046.7	1927.7	1761.5	1743.5	1711.1	1700.1	1674.9
15°	2227.1	2227.1	2230.8	2256.0	2259.8	2205.6	2032.2	2017.8	1985.3	1956.4	1945.7
17.5°	2281.3	2277.7	2277.7	2313.9	2378.8	2415.0	2303.0	2288.5	2252.5	2238.1	2201.9
20°	2400.5	2393.3	2371.6	2371.6	2432.9	2559.2	2559.2	2555.7	2516.0	2505.1	2487.1
22.5°	2577.4	2570.2	2505.1	2450.9	2479.9	2638.8	2786.7	2779.5	2765.0	2750.6	2739.8
25°	2866.1	2840.9	2728.9	2570.2	2545.0	2714.6	2959.9	2978.1	2988.8	2988.8	2996.1
27.5°	3303.0	3270.5	3071.9	2776.0	2664.0	2837.2	3151.3	3187.4	3219.9	3227.1	3259.6
30°	3909.3	3851.6	3566.5	3133.3	2877.1	3017.8	3433.0	3472.6	3519.5	3534.0	3584.4
32.5°	4905.6	4873.1	4598.9	3949.0	3400.3	3371.6	3826.4	3876.8	3938.2	3963.4	4024.8
35°	6421.8	6429.0	6205.2	5620.4	4862.4	4465.2	4530.3	4573.5	4595.2	4671.0	4703.5
37.5°	7450.5	7468.5	7519.1	7288.1	6746.7	6342.2	5833.2	5880.4	5768.4	5779.1	5782.8
40°	8013.7	8071.3	8367.5	8591.3	8547.9	8313.3	7905.4	7930.6	7721.2	7674.3	7446.8
42.5°	8388.9	8464.8	8937.8	9630.7	9984.5	10197.6	10103.8	10092.8	9930.4	9869.0	9677.6
45°	8623.7	8692.3	9287.9	10309.4	11125.3	11746.1	12002.3	12031.2	11894.0	11832.6	11673.9
47.5°	8612.7	8692.3	9331.1	10562.1	11764.2	12756.8	13478.9	13514.8	13597.9	13543.7	13554.5
50°	8136.4	8212.3	8854.7	10132.5	11576.4	13218.9	14540.0	14655.5	14789.0	14879.4	14922.8
52.5°	7558.8	7613.0	8183.3	9396.2	10775.0	13027.5	15168.0	15366.6	15565.2	15734.9	15853.9
55°	7345.7	7407.1	7854.7	8862.0	10132.5	12226.1	15460.5	15752.9	16034.6	16312.5	16539.8
57.5°	7457.8	7515.4	7836.8	8609.2	9750.0	11381.5	15543.5	15998.4	16460.5	16911.6	17359.2
60°	7869.2	7930.6	8205.0	8843.8	9648.9	10894.2	15218.7	15973.2	16741.9	17528.9	18268.9
62.5°	7706.8	7732.0	8136.4	9255.5	10370.8	10479.1	14038.3	15092.4	16265.6	17478.5	18673.1
63°	7551.6	7580.5	7992.0	9143.4	10591.1	10417.7	13673.7	14785.5	16023.6	17330.3	18629.9
65°	6847.7	6851.2	7165.3	8075.0	10345.6	10526.0	12049.4	13110.6	14532.8	16099.4	17741.9
67.5°	5111.4	5086.2	5389.4	6082.5	8121.9	10529.7	10341.8	10937.6	11926.7	13316.4	14789.0
70°	1812.2	1772.5	2263.3	3223.4	5060.8	8612.7	8887.2	8926.9	9201.3	9952.1	10876.2
72.5°	588.3	599.3	721.8	1180.4	2331.9	5797.3	8046.1	7923.4	7851.2	7847.5	7970.3
75°	234.5	238.3	288.7	523.5	1046.9	2794.0	7046.3	7114.7	7140.1	7176.1	7216.0
77.5°	111.8	122.8	162.4	292.4	519.7	1382.5	5042.8	5623.9	5956.0	6212.5	6367.7
80°	39.7	46.9	90.3	180.4	241.8	635.3	2656.8	3205.4	3692.7	4321.0	4862.4
82.5°	0.0	0.0	18.0	126.3	133.5	256.2	1090.1	1277.7	1461.9	1895.0	2432.9
85°	0.0	0.0	0.0	36.2	39.7	43.4	368.3	444.1	498.3	581.1	671.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	10.7	21.7	54.1	83.1
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	888.0	884.5	884.5	877.3	873.5	866.3	862.8	851.8	848.3	848.3	848.3
5°	1050.4	1036.0	1028.7	1010.8	999.8	996.3	978.3	971.1	960.1	963.8	945.6
7.5°	1230.8	1205.6	1194.9	1169.5	1162.4	1137.0	1129.8	1111.8	1101.1	1079.4	1072.1
10°	1429.4	1397.0	1379.0	1339.1	1328.4	1310.4	1288.7	1267.0	1249.0	1227.3	1216.6
12.5°	1657.0	1628.0	1613.6	1559.4	1534.2	1508.8	1480.1	1451.1	1422.2	1404.2	1379.0
15°	1924.0	1877.0	1862.6	1812.2	1768.8	1736.3	1696.6	1660.5	1638.8	1602.8	1577.4
17.5°	2187.4	2140.5	2129.8	2053.9	2007.0	1985.3	1942.1	1895.0	1855.3	1819.4	1779.5
20°	2450.9	2418.5	2389.5	2317.4	2267.0	2230.8	2173.0	2126.1	2093.6	2043.2	1992.6
22.5°	2714.6	2682.0	2660.5	2584.6	2537.7	2487.1	2436.7	2386.0	2339.1	2277.7	2220.1
25°	2985.3	2963.6	2952.7	2884.3	2840.9	2794.0	2743.3	2685.7	2627.8	2559.2	2498.0
27.5°	3266.8	3274.0	3252.3	3237.9	3191.0	3158.5	3079.2	3039.5	2996.1	2913.0	2837.2
30°	3624.1	3645.8	3638.6	3649.5	3620.6	3598.9	3537.5	3487.1	3436.5	3357.1	3270.5
32.5°	4075.4	4104.4	4118.6	4158.5	4144.1	4136.8	4118.6	4046.5	4010.3	3873.3	3837.2
35°	4772.1	4757.6	4819.0	4851.4	4837.0	4829.9	4808.2	4768.6	4725.2	4627.6	4537.5
37.5°	5678.0	5692.5	5714.2	5649.3	5605.9	5602.4	5537.3	5497.6	5436.3	5328.0	5219.7
40°	7338.5	7248.4	7147.4	6872.9	6753.9	6685.3	6493.9	6439.8	6335.0	6187.0	6075.2
42.5°	9497.2	9406.9	9103.8	8645.4	8399.9	8060.6	7905.4	7714.0	7566.0	7324.3	7194.3
45°	11641.5	11381.5	11345.3	10811.1	10508.0	10060.4	9782.4	9461.1	9125.5	8807.8	8576.8
47.5°	13449.9	13392.1	13215.4	12890.3	12608.8	12233.3	11876.0	11381.5	11035.0	10583.8	10168.7
50°	14897.3	14893.8	14828.7	14641.1	14406.5	14103.4	13789.3	13370.6	12977.1	12424.7	11980.8
52.5°	15980.4	16038.1	16059.8	16001.9	15911.8	15644.6	15485.9	15135.6	14803.5	14334.2	13854.1
55°	16774.4	16987.4	17095.7	17218.5	17193.3	17099.5	17092.2	16864.7	16713.2	16341.2	16001.9
57.5°	17756.4	18106.5	18442.1	19037.9	19059.4	19268.9	19377.2	19485.5	19514.2	19366.2	19254.4
60°	19005.2	19720.0	20355.3	21600.8	21925.7	22438.2	22770.3	23131.3	23438.0	23463.4	23456.2
62.5°	19886.0	20987.0	22012.3	23860.4	24492.1	25084.2	25528.1	25878.4	26091.2	26307.8	26408.8
63°	19911.4	21117.0	22207.1	24113.1	24777.3	25340.4	25762.8	26087.7	26311.5	26441.3	26506.4
65°	19301.4	20763.2	22062.7	23961.4	24585.9	25152.8	25372.9	25585.9	25694.2	25744.6	25553.3
67.5°	16359.4	17788.8	19304.9	21427.4	21961.6	22640.3	22820.9	22929.2	22979.6	22968.9	22806.4
70°	12233.3	13431.9	15117.6	17543.3	18250.9	18915.1	19326.6	19503.5	19561.1	19543.1	19301.4
72.5°	8540.6	9244.5	10634.2	13334.4	14298.2	15150.1	15659.1	15922.5	15976.7	15868.4	15644.6
75°	7172.6	7208.7	7522.6	8999.0	9901.4	10811.1	11385.0	11551.2	11442.9	11114.3	10544.2
77.5°	6403.6	6483.2	6483.2	6703.3	6880.2	7132.9	7187.0	6782.6	6313.5	5707.0	5216.2
80°	5371.4	5649.3	5844.2	6006.6	6024.6	5974.2	5840.5	5613.2	5252.1	4790.0	4277.5
82.5°	3263.3	3812.0	4035.8	4873.1	5284.6	5562.5	5541.0	5237.7	4963.4	4483.4	4046.5
85°	823.1	888.0	963.8	1252.5	1404.2	1714.6	1909.5	1999.8	2032.2	1866.3	1689.4
87.5°	79.4	54.1	90.3	68.6	97.5	72.1	97.5	90.3	111.8	119.0	130.0
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°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	841.1	837.4	833.9	830.3	826.6	823.1	815.9	815.9	808.6	804.9	801.4
5°	934.9	927.7	924.2	916.9	906.0	898.7	888.0	873.5	862.8	859.1	851.8
7.5°	1054.2	1036.0	1028.7	1018.0	1003.5	981.8	967.3	956.6	938.6	927.7	906.0
10°	1187.6	1169.5	1148.0	1126.3	1104.6	1079.4	1061.2	1046.9	1018.0	1003.5	978.3
12.5°	1357.3	1324.9	1299.4	1270.7	1241.8	1212.9	1191.2	1148.0	1122.5	1090.1	1068.4
15°	1530.5	1501.5	1472.8	1436.7	1393.3	1346.4	1324.9	1285.0	1252.5	1202.1	1173.2
17.5°	1739.8	1685.7	1642.5	1599.1	1559.4	1516.0	1472.8	1411.5	1364.5	1321.1	1263.5
20°	1945.7	1880.8	1833.6	1776.0	1718.3	1649.7	1599.1	1555.7	1490.8	1433.2	1371.8
22.5°	2165.7	2100.9	2025.0	1967.4	1888.0	1833.6	1765.3	1692.9	1628.0	1552.2	1476.3
25°	2432.9	2364.3	2277.7	2201.9	2111.6	2036.0	1952.9	1869.8	1790.5	1703.9	1606.3
27.5°	2761.5	2689.2	2595.4	2505.1	2386.0	2292.2	2212.9	2100.9	1999.8	1891.5	1779.5
30°	3176.5	3097.1	2981.6	2851.6	2732.6	2627.8	2516.0	2368.1	2256.0	2126.1	1981.8
32.5°	3718.1	3624.1	3468.9	3346.2	3198.2	3061.0	2905.8	2757.8	2599.1	2429.4	2263.3
35°	4400.3	4313.7	4133.1	3952.7	3790.3	3627.8	3433.0	3263.3	3039.5	2833.7	2620.6
37.5°	5107.9	4952.5	4786.5	4591.7	4389.3	4194.5	3956.2	3721.6	3465.4	3241.6	2974.4
40°	5916.3	5728.7	5591.5	5382.1	5096.9	4819.0	4598.9	4306.5	3985.1	3685.5	3371.6
42.5°	7024.6	6815.3	6569.8	6252.1	6046.3	5721.4	5436.3	5089.7	4667.3	4331.7	3952.7
45°	8306.1	8020.9	7782.6	7475.7	7226.7	6822.5	6490.4	6028.3	5605.9	5165.5	4703.5
47.5°	9768.0	9414.2	9067.6	8764.4	8367.5	7970.3	7548.1	7057.1	6515.6	6031.8	5483.2
50°	11446.4	10944.6	10464.6	10074.8	9529.7	9071.3	8612.7	8060.6	7461.3	6905.4	6280.9
52.5°	13312.7	12731.6	12096.3	11497.0	10865.3	10276.9	9724.6	9089.3	8421.6	7742.9	7046.3
55°	15565.2	15128.4	14381.3	13619.6	12774.8	11988.1	11276.7	10490.0	9677.6	8786.1	8053.3
57.5°	19092.0	18879.0	18254.4	17492.9	16391.9	15435.3	14229.6	13265.8	12089.1	10861.8	9915.9
60°	23871.3	23607.6	23257.6	22640.3	21766.7	20467.3	19138.9	17640.9	15850.4	14150.3	12536.7
62.5°	26419.8	26325.8	26040.8	25614.7	24799.0	23773.8	22434.7	20788.4	18767.2	16702.3	14644.8
63°	26495.4	26376.4	26130.9	25697.7	24979.4	23986.8	22672.7	21073.6	19095.5	16991.2	14890.1
65°	25470.4	25423.5	25174.3	24701.5	24210.7	23452.4	22434.7	21059.2	19398.7	17409.8	15319.7
67.5°	22589.9	22448.9	22066.4	21921.9	21579.1	21051.9	20275.9	19330.1	18142.6	16579.5	14774.6
70°	19106.3	18896.9	18416.9	18160.6	17741.9	17409.8	16937.0	16261.9	15529.1	14439.0	13092.6
72.5°	15413.6	14980.4	14540.0	13872.3	13287.5	12695.4	12172.0	11695.6	10890.5	10450.1	9428.6
75°	10009.7	9222.8	8468.5	7457.8	6548.1	5743.1	4959.7	4562.7	3736.1	3400.3	2920.2
77.5°	4750.4	4310.0	3718.1	3259.6	2674.7	2183.9	1783.2	1339.1	1050.4	823.1	628.0
80°	3833.4	3461.7	3104.4	2689.2	2248.8	1794.0	1375.3	1028.7	729.1	505.3	357.3
82.5°	3418.5	3014.1	2573.7	2288.5	1989.1	1628.0	1335.6	1090.1	804.9	588.3	400.7
85°	1328.4	1119.0	862.8	703.9	548.7	451.1	407.9	281.5	220.3	173.2	133.5
87.5°	115.5	93.8	75.8	50.6	54.1	28.9	32.4	21.7	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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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	797.7	794.2	790.4	783.2	783.2	776.2	772.5	769.0	750.8	711.1	678.7
5°	837.4	830.3	823.1	812.2	804.9	794.2	786.9	776.2	736.3	660.7	595.6
7.5°	895.2	880.8	870.0	848.3	837.4	823.1	812.2	794.2	729.1	613.6	523.5
10°	963.8	938.6	920.4	895.2	873.5	855.6	837.4	812.2	721.8	563.1	458.4
12.5°	1046.9	1018.0	981.8	952.9	924.2	898.7	873.5	841.1	711.1	519.7	407.9
15°	1129.8	1086.6	1061.2	1021.5	981.8	945.6	909.7	880.8	714.8	472.8	364.5
17.5°	1223.6	1180.4	1126.3	1082.9	1039.7	992.8	949.4	891.5	696.6	436.9	332.1
20°	1313.9	1252.5	1202.1	1148.0	1086.6	1028.7	974.6	924.2	682.2	400.7	303.2
22.5°	1411.5	1339.1	1274.2	1205.6	1129.8	1064.9	999.8	934.9	657.0	368.3	278.0
25°	1530.5	1447.4	1353.6	1270.7	1191.2	1111.8	1028.7	949.4	631.7	339.3	260.0
27.5°	1674.9	1566.7	1472.8	1368.1	1256.3	1155.2	1064.9	978.3	606.5	317.6	241.8
30°	1859.1	1732.6	1599.1	1465.6	1346.4	1230.8	1104.6	996.3	581.1	295.9	223.8
32.5°	2104.6	1945.7	1783.2	1628.0	1469.1	1321.1	1187.6	1046.9	566.6	278.0	205.8
35°	2429.4	2223.6	2025.0	1830.1	1638.8	1458.4	1285.0	1126.3	566.6	256.2	184.1
37.5°	2736.1	2498.0	2245.3	2003.3	1776.0	1566.7	1360.8	1169.5	537.9	238.3	166.2
40°	3068.2	2783.0	2487.1	2201.9	1927.7	1667.7	1433.2	1212.9	512.5	216.6	148.0
42.5°	3577.2	3216.4	2830.1	2498.0	2169.5	1848.1	1555.7	1295.9	480.1	194.9	130.0
45°	4245.1	3786.5	3331.9	2927.5	2508.8	2115.3	1768.8	1447.4	472.8	176.9	111.8
47.5°	4959.7	4418.3	3884.1	3367.9	2877.1	2418.5	2003.3	1617.1	472.8	158.9	97.5
50°	5670.8	4992.4	4422.0	3822.7	3270.5	2728.9	2234.3	1794.0	476.5	144.5	79.4
52.5°	6313.5	5588.0	4949.0	4255.8	3645.8	3017.8	2479.9	1967.4	469.3	126.3	64.9
55°	7205.0	6353.2	5613.2	4847.9	4133.1	3425.7	2815.7	2227.1	472.8	111.8	54.1
57.5°	8847.5	7847.5	6956.0	5952.5	5129.4	4216.2	3476.1	2761.5	516.2	93.8	39.7
60°	11204.6	9905.2	8652.6	7428.8	6382.1	5295.5	4335.2	3494.3	606.5	75.8	28.9
62.5°	12789.2	11089.1	9594.8	8244.7	7028.1	5891.1	4844.2	3887.6	667.7	61.4	18.0
63°	12951.7	11193.9	9692.1	8298.8	7057.1	5920.0	4865.9	3916.5	671.4	57.7	18.0
65°	13258.6	11374.3	9746.3	8309.6	7028.1	5880.4	4851.4	3913.0	678.7	46.9	14.5
67.5°	12908.5	11096.3	9432.4	7999.2	6775.4	5645.6	4671.0	3768.6	674.9	32.4	10.7
70°	11543.9	10042.4	8580.3	7244.7	6132.9	5111.4	4252.3	3436.5	620.8	21.7	7.2
72.5°	8475.7	7454.0	6320.7	5356.9	4620.4	3837.2	3274.0	2580.9	480.1	14.5	3.5
75°	2512.3	2288.5	1924.0	1696.6	1498.0	1238.1	1101.1	859.1	245.5	7.2	0.0
77.5°	501.8	454.8	407.9	371.8	350.1	299.7	285.2	234.5	101.1	3.5	0.0
80°	263.5	216.6	184.1	162.4	140.7	115.5	97.5	79.4	18.0	0.0	0.0
82.5°	252.7	169.7	122.8	101.1	86.6	68.6	54.1	39.7	10.7	0.0	0.0
85°	93.8	72.1	54.1	43.4	36.2	32.4	25.2	21.7	0.0	0.0	0.0
87.5°	14.5	10.7	10.7	7.2	7.2	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

REPORT NUMBER: P165116

CATALOG NUMBER: VST-E12-LED-E-U-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	761.7	761.7	761.7	761.7	761.7	761.7	761.7
2.5°	646.2	617.3	602.8	584.8	584.8	581.1	588.3
5°	537.9	498.3	469.3	447.6	451.1	440.4	444.1
7.5°	454.8	415.2	389.7	375.5	371.8	368.3	368.3
10°	393.5	357.3	335.6	324.9	321.4	321.4	321.4
12.5°	350.1	314.1	295.9	288.7	288.7	285.2	285.2
15°	314.1	285.2	267.2	260.0	260.0	256.2	260.0
17.5°	285.2	256.2	241.8	234.5	234.5	231.0	231.0
20°	260.0	234.5	220.3	209.3	209.3	205.8	209.3
22.5°	238.3	213.1	194.9	187.6	184.1	180.4	184.1
25°	216.6	191.4	173.2	162.4	158.9	158.9	155.2
27.5°	198.6	173.2	151.7	140.7	137.2	137.2	133.5
30°	180.4	151.7	130.0	119.0	115.5	115.5	115.5
32.5°	162.4	130.0	111.8	101.1	97.5	97.5	97.5
35°	144.5	111.8	93.8	83.1	79.4	79.4	79.4
37.5°	122.8	93.8	72.1	64.9	61.4	57.7	57.7
40°	104.8	72.1	54.1	46.9	39.7	39.7	39.7
42.5°	86.6	57.7	39.7	28.9	25.2	21.7	25.2
45°	72.1	43.4	25.2	14.5	10.7	10.7	10.7
47.5°	57.7	28.9	10.7	3.5	3.5	3.5	3.5
50°	43.4	18.0	3.5	0.0	0.0	3.5	3.5
52.5°	32.4	10.7	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°	10.7	0.0	0.0	0.0	0.0	0.0	0.0
60°	7.2	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)