

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: P159341

Luminaire Tested: **VST-E06-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159341
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33705)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VST-E06-LED-E-U-T2-7050
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19003.8 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 150.5
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



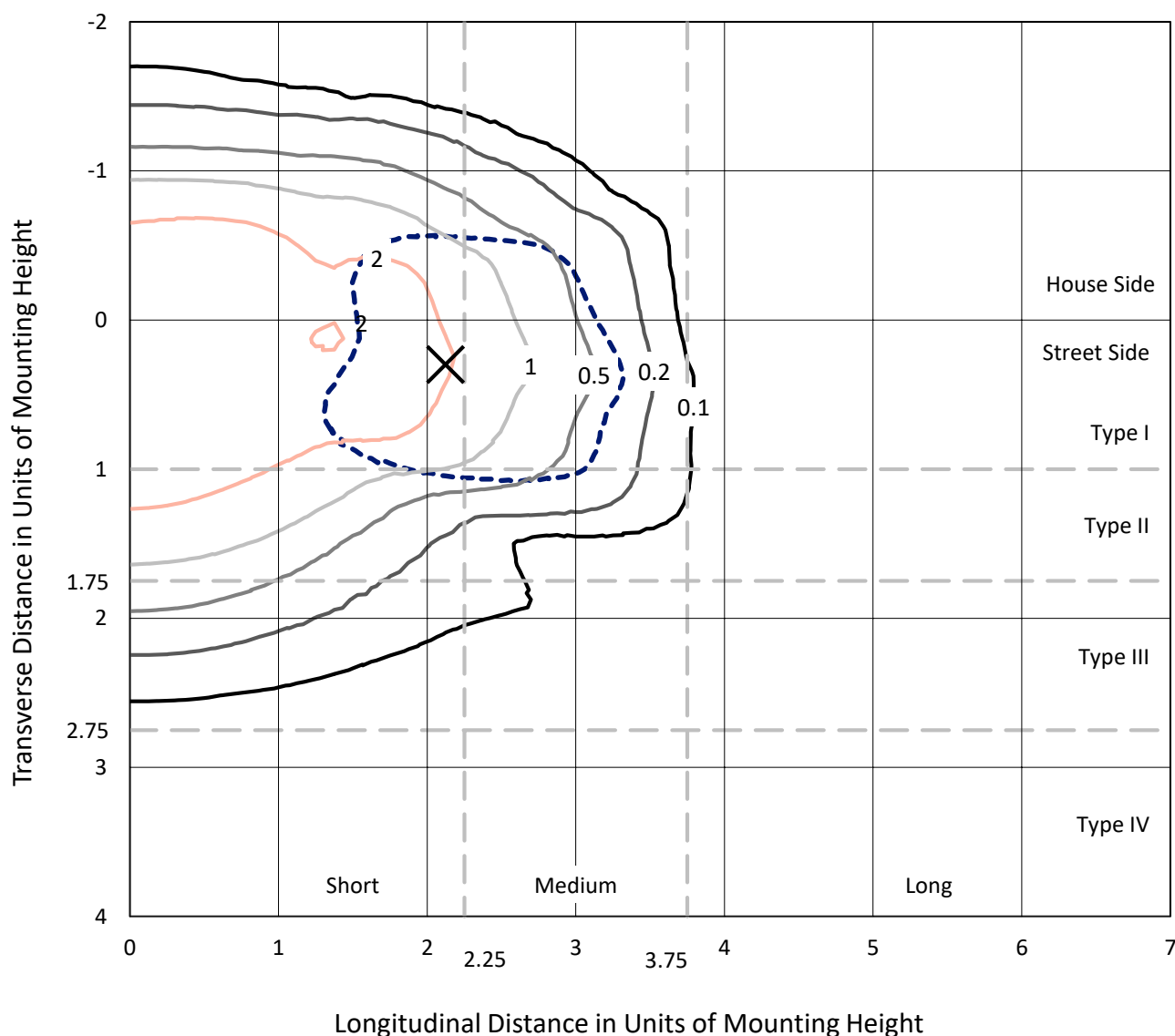
REPORT NUMBER: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

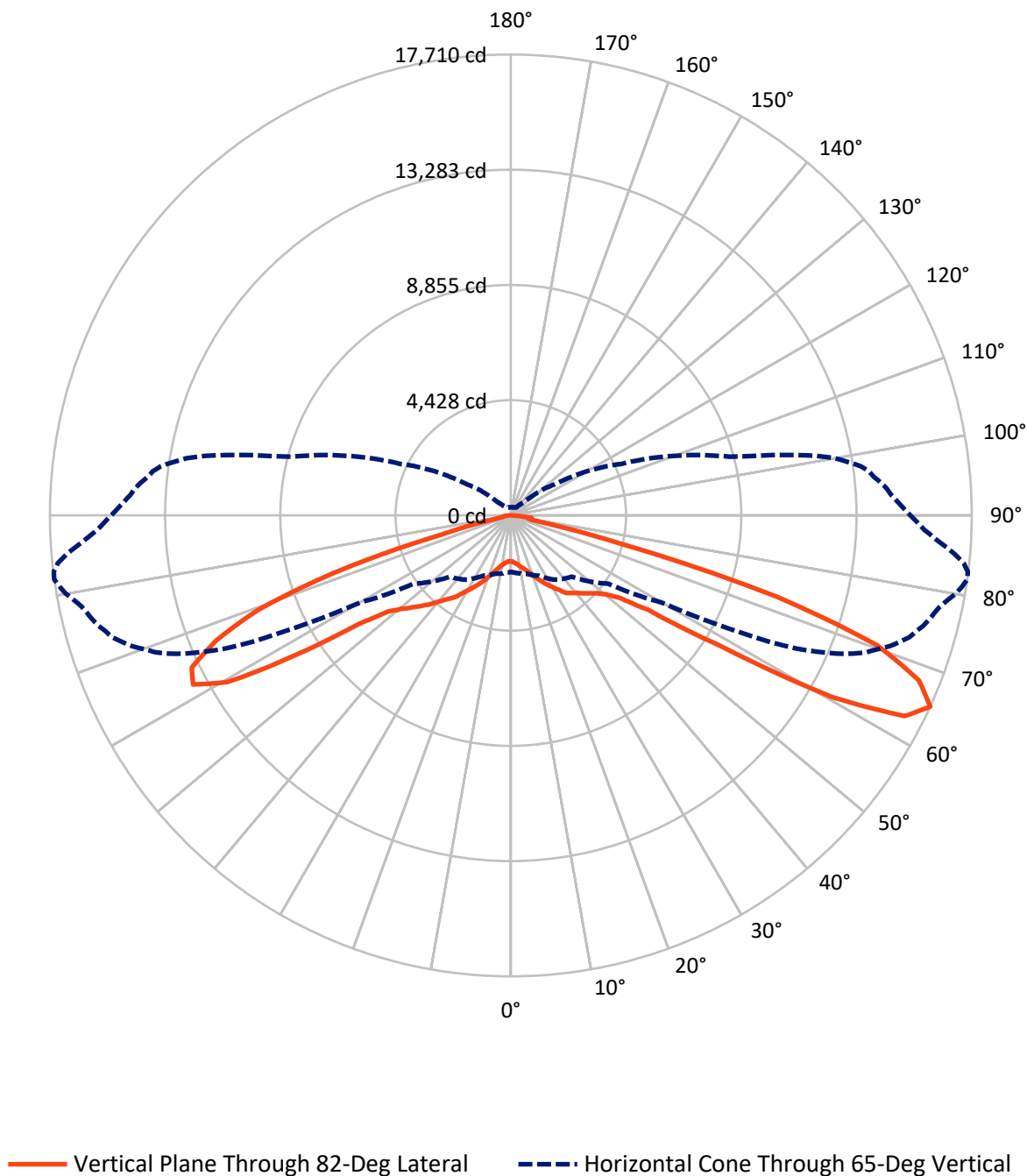


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P159341

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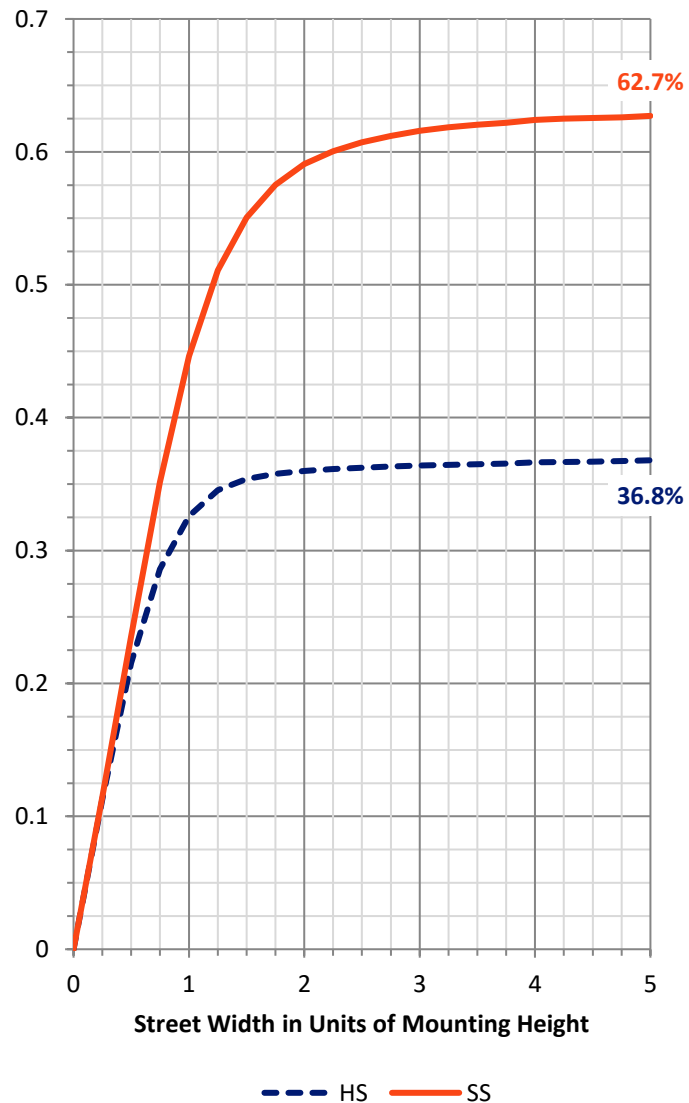
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7075.7	0.0	7075.7
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	11928.0	0.0	11928.0
	% Fixture	62.8	0.0	62.8
Total	Lumens	19003.8	0.0	19003.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	0.9
10°-20°	629.0	3.3
20°-30°	1246.3	6.6
30°-40°	2136.4	11.2
40°-50°	3209.4	16.9
50°-60°	4458.9	23.5
60°-70°	5086.9	26.8
70°-80°	1752.4	9.2
80°-90°	305.4	1.6
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°	19003.8	100.0
0°-180°	19003.8	100.0

Coefficient of Utilization



REPORT NUMBER: P159341

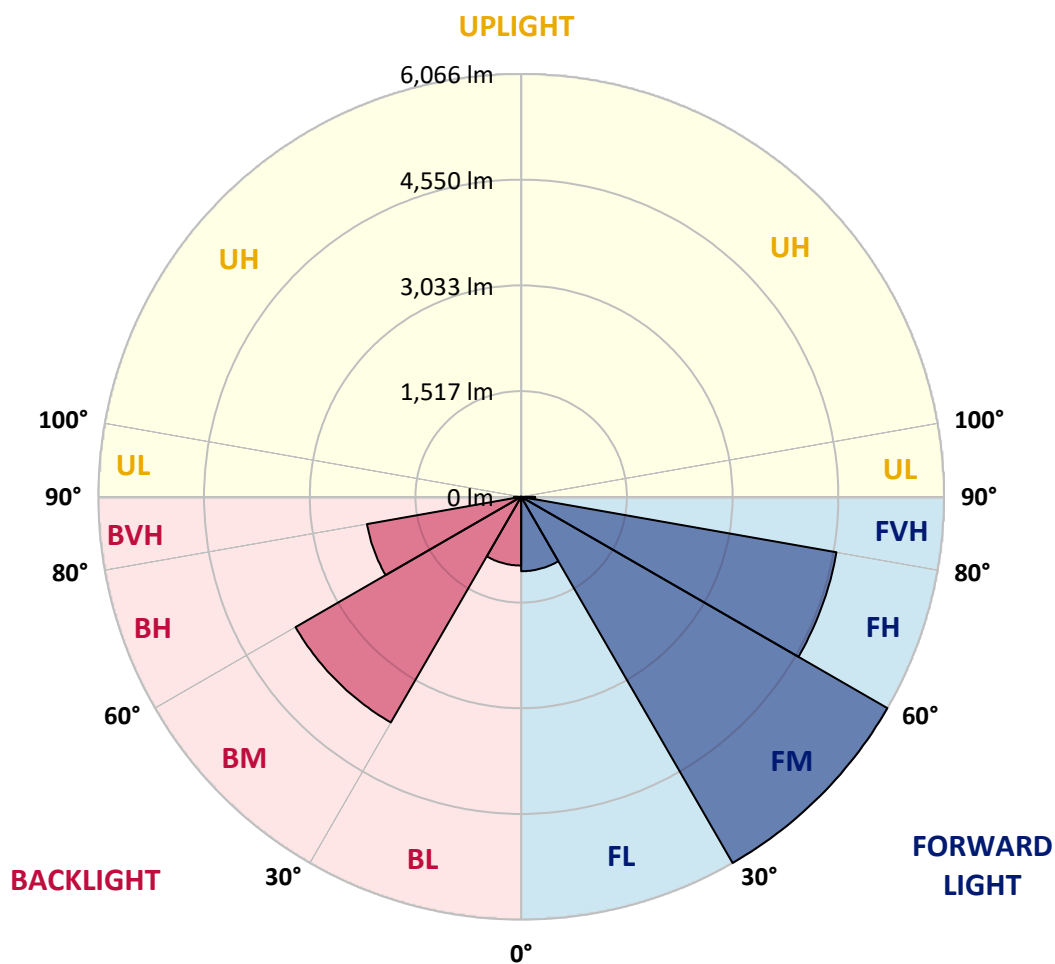
CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1067.6	5.6			
FM	(30°-60°)	6066.4	31.9			
FH	(60°-80°)	4593.0	24.2			G2/5000
FVH	(80°-90°)	201.1	1.1			G2/225
BL	(0°-30°)	986.7	5.2	B2/1000		
BM	(30°-60°)	3738.3	19.7	B3/5000		
BH	(60°-80°)	2246.3	11.8	B3/2500		G3/2500
BVH	(80°-90°)	104.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1864.2	1865.5	1864.2	1860.5	1859.3	1848.2	1835.9	1829.8	1828.5	1823.6	1824.8
5°	1980.0	1976.3	1971.4	1965.2	1959.0	1940.6	1919.6	1908.6	1904.9	1901.2	1896.2
7.5°	2083.4	2085.9	2083.4	2074.8	2058.8	2035.4	2008.3	1991.1	1989.8	1986.1	1982.4
10°	2216.4	2222.5	2207.8	2193.0	2170.8	2135.1	2104.3	2082.2	2078.5	2073.6	2071.1
12.5°	2360.5	2361.7	2356.8	2323.5	2286.6	2237.3	2193.0	2170.8	2165.9	2159.7	2157.3
15°	2514.4	2515.6	2488.5	2456.5	2399.9	2340.8	2279.2	2254.6	2248.4	2249.6	2239.8
17.5°	2636.3	2638.7	2612.9	2572.2	2504.5	2434.3	2367.8	2348.1	2344.4	2345.7	2340.8
20°	2689.2	2692.9	2676.9	2646.1	2582.1	2520.5	2472.5	2460.2	2459.0	2456.5	2466.3
22.5°	2686.8	2688.0	2681.8	2669.5	2631.3	2595.6	2589.5	2596.9	2595.6	2598.1	2606.7
25°	2664.6	2668.3	2667.1	2672.0	2665.8	2679.4	2707.7	2733.5	2737.2	2742.2	2758.2
27.5°	2721.2	2728.6	2720.0	2724.9	2734.8	2780.3	2838.2	2877.6	2885.0	2898.5	2912.1
30°	2942.9	2933.0	2921.9	2909.6	2915.8	2944.1	3009.4	3043.8	3047.5	3057.4	3075.9
32.5°	3271.6	3260.6	3250.7	3231.0	3226.1	3213.8	3235.9	3244.5	3243.3	3253.2	3258.1
35°	3642.3	3643.5	3641.0	3655.8	3668.1	3605.3	3527.8	3506.8	3515.4	3504.4	3506.8
37.5°	3958.7	3962.4	4027.7	4108.9	4132.3	4092.9	3923.0	3839.3	3811.0	3807.3	3778.9
40°	4309.6	4309.6	4408.1	4507.9	4573.1	4622.4	4420.5	4272.7	4212.4	4195.1	4124.9
42.5°	4695.0	4675.3	4765.2	4874.8	4995.5	5107.5	5002.9	4836.7	4750.5	4719.7	4596.5
45°	5011.5	4999.2	5043.5	5145.7	5341.5	5560.7	5575.4	5490.5	5438.8	5374.7	5261.5
47.5°	5206.0	5199.9	5225.7	5336.6	5581.6	5936.2	6134.5	6177.6	6146.8	6097.5	5987.9
50°	5282.4	5273.8	5292.2	5415.4	5690.0	6157.9	6596.2	6799.4	6814.2	6825.2	6790.8
52.5°	5255.3	5244.2	5282.4	5385.8	5671.5	6235.4	6957.0	7347.3	7412.6	7468.0	7581.3
55°	4995.5	4978.3	5081.7	5276.2	5591.5	6207.1	7220.5	7874.3	8012.2	8160.0	8411.2
57.5°	4597.8	4583.0	4732.0	4999.2	5449.9	6129.5	7397.8	8540.5	8850.8	9116.7	9829.7
60°	4214.8	4202.5	4289.9	4548.5	4990.6	5751.5	7178.6	8764.6	9285.4	9859.2	11160.7
62.5°	3530.2	3497.0	3613.9	3831.9	4111.4	4757.8	6221.9	8265.9	9068.7	9912.2	11676.7
65°	2169.6	2217.6	2318.6	2559.9	3018.0	3325.8	4569.5	6687.3	7746.3	8804.0	11093.0
67.5°	1377.9	1391.4	1466.5	1634.0	1988.6	2297.7	2769.3	4196.4	5012.7	6053.2	8709.2
70°	1180.8	1189.5	1253.5	1428.3	1673.4	2053.9	2095.7	2191.8	2484.8	3147.3	5119.9
72.5°	930.9	945.7	996.1	1147.6	1443.1	1851.9	2587.0	1732.5	1673.4	1728.8	2498.4
75°	554.1	571.3	613.2	695.7	927.2	1416.0	2710.1	2015.7	1879.0	1771.9	1723.9
77.5°	293.1	280.7	309.1	357.1	476.5	754.8	2036.6	2470.0	2374.0	2245.9	1973.8
80°	145.3	150.2	158.8	168.7	213.0	306.6	1018.3	2555.0	2832.1	2955.2	2713.8
82.5°	57.9	65.3	92.3	98.5	117.0	130.5	327.5	1416.0	2028.0	2750.8	3591.8
85°	29.6	28.3	49.3	59.1	69.0	61.6	115.7	528.2	950.6	1481.3	2399.9
87.5°	3.7	4.9	11.1	14.8	20.9	19.7	33.2	114.5	182.2	258.6	363.2
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: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1818.7	1817.4	1817.4	1812.5	1812.5	1813.7	1810.0	1807.6	1807.6	1808.8	1803.9
5°	1892.5	1888.9	1888.9	1883.9	1877.8	1877.8	1872.8	1871.6	1869.2	1864.2	1860.5
7.5°	1978.7	1975.0	1968.9	1965.2	1962.7	1959.0	1952.9	1950.4	1945.5	1940.6	1935.6
10°	2067.4	2062.5	2060.0	2053.9	2051.4	2044.0	2040.3	2041.5	2031.7	2028.0	2029.2
12.5°	2156.1	2151.1	2142.5	2140.0	2138.8	2131.4	2127.7	2125.3	2117.9	2116.7	2113.0
15°	2234.9	2237.3	2233.6	2227.5	2222.5	2221.3	2217.6	2215.2	2210.2	2205.3	2200.4
17.5°	2337.1	2340.8	2335.8	2327.2	2327.2	2326.0	2327.2	2326.0	2317.4	2321.1	2318.6
20°	2467.6	2470.0	2457.7	2461.4	2463.9	2462.7	2466.3	2470.0	2467.6	2467.6	2471.3
22.5°	2617.8	2621.5	2614.1	2619.0	2626.4	2620.3	2631.3	2630.1	2632.6	2636.3	2637.5
25°	2771.7	2779.1	2772.9	2786.5	2781.6	2786.5	2800.0	2796.3	2802.5	2812.3	2816.0
27.5°	2925.6	2930.6	2931.8	2940.4	2949.0	2956.4	2973.7	2973.7	2978.6	2995.8	2995.8
30°	3086.9	3091.9	3096.8	3109.1	3114.0	3127.6	3144.8	3149.7	3147.3	3171.9	3179.3
32.5°	3272.9	3277.8	3286.4	3301.2	3307.3	3320.9	3320.9	3334.4	3344.3	3365.2	3366.4
35°	3520.4	3524.1	3520.4	3519.1	3527.8	3546.2	3547.5	3567.2	3575.8	3596.7	3602.9
37.5°	3767.9	3766.6	3750.6	3733.4	3734.6	3727.2	3722.3	3730.9	3734.6	3735.8	3749.4
40°	4101.5	4069.5	4044.9	4001.8	3982.1	3951.3	3932.9	3931.6	3911.9	3909.5	3913.2
42.5°	4538.7	4501.7	4443.9	4371.2	4315.8	4259.2	4217.3	4192.7	4149.6	4127.4	4108.9
45°	5149.4	5058.3	4989.3	4903.1	4796.0	4697.5	4594.1	4547.3	4464.8	4414.3	4357.7
47.5°	5895.6	5805.7	5699.8	5611.2	5470.8	5334.1	5192.5	5068.1	4924.1	4809.6	4716.0
50°	6705.8	6652.9	6576.5	6494.0	6313.0	6223.1	6044.6	5875.9	5720.7	5516.3	5337.8
52.5°	7536.9	7567.7	7550.5	7520.9	7406.4	7372.0	7218.0	7012.4	6856.0	6715.7	6405.4
55°	8561.4	8598.4	8672.2	8715.3	8701.8	8789.2	8751.0	8591.0	8528.2	8462.9	8242.5
57.5°	10128.9	10392.4	10674.4	10921.9	10979.7	11290.0	11223.5	11383.6	11496.9	11415.6	11344.2
60°	11799.8	12331.7	12810.7	13311.9	13719.4	14024.8	14428.7	14700.8	14872.0	15179.8	15204.4
62.5°	12473.3	13196.1	13804.4	14385.6	14869.5	15293.1	15657.5	16033.1	16340.9	16619.2	16819.9
65°	12103.9	12858.7	13596.3	14186.1	14651.6	15016.0	15412.5	15710.5	16013.4	16191.9	16402.5
67.5°	10062.4	11062.2	11969.7	12634.6	13271.2	13641.9	14111.0	14404.1	14725.4	14913.8	15049.3
70°	6560.5	7862.0	9102.0	10110.4	10969.9	11402.1	11968.5	12368.7	12755.3	12765.2	12990.5
72.5°	3540.1	4628.6	5666.6	6697.2	7677.3	8252.4	8811.4	9297.7	9681.9	9518.2	9742.3
75°	1971.4	2481.1	3048.8	3668.1	4265.3	4594.1	5011.5	5014.0	5212.2	4900.7	4979.5
77.5°	1896.2	1872.8	1881.5	1898.7	1928.3	1865.5	1864.2	1826.1	1767.0	1659.8	1678.3
80°	2491.0	2193.0	1978.7	1642.6	1322.4	1078.6	1010.9	1026.9	1074.9	1171.0	1292.9
82.5°	3601.6	3350.4	2990.9	2461.4	1932.0	1489.9	1223.9	1086.0	1079.9	1175.9	1360.6
85°	2622.7	2774.2	2750.8	2296.4	1893.8	1537.9	1119.3	945.7	783.1	745.0	810.2
87.5°	386.6	320.1	360.8	301.7	219.2	169.9	149.0	119.4	114.5	117.0	128.1
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: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1805.1	1800.2	1795.3	1799.0	1795.3	1794.0	1790.3	1787.9	1786.7	1786.7	1786.7
5°	1860.5	1854.4	1850.7	1849.5	1845.8	1842.1	1840.8	1834.7	1833.4	1833.4	1829.8
7.5°	1935.6	1930.7	1924.6	1920.9	1918.4	1912.3	1906.1	1904.9	1903.6	1898.7	1895.0
10°	2023.1	2015.7	2008.3	2008.3	2003.4	2002.1	1996.0	1987.4	1986.1	1978.7	1976.3
12.5°	2105.6	2103.1	2094.5	2092.0	2088.3	2084.6	2080.9	2077.2	2073.6	2067.4	2069.9
15°	2204.1	2197.9	2190.5	2191.8	2190.5	2185.6	2180.7	2177.0	2174.5	2172.1	2172.1
17.5°	2322.3	2319.8	2318.6	2312.4	2307.5	2311.2	2311.2	2311.2	2305.0	2306.3	2307.5
20°	2472.5	2475.0	2472.5	2467.6	2466.3	2470.0	2461.4	2475.0	2467.6	2462.7	2465.1
22.5°	2638.7	2647.4	2637.5	2638.7	2644.9	2647.4	2638.7	2649.8	2646.1	2638.7	2644.9
25°	2819.7	2825.9	2821.0	2819.7	2823.4	2832.1	2830.8	2829.6	2838.2	2830.8	2834.5
27.5°	3005.7	3009.4	3011.8	3015.5	3018.0	3016.8	3021.7	3021.7	3026.6	3018.0	3021.7
30°	3190.4	3190.4	3195.3	3200.2	3200.2	3200.2	3210.1	3211.3	3203.9	3206.4	3197.8
32.5°	3387.4	3388.6	3393.5	3393.5	3403.4	3404.6	3415.7	3400.9	3415.7	3403.4	3405.8
35°	3618.9	3634.9	3637.3	3649.7	3659.5	3663.2	3663.2	3664.4	3678.0	3668.1	3671.8
37.5°	3754.3	3758.0	3767.9	3774.0	3774.0	3778.9	3782.6	3778.9	3782.6	3781.4	3785.1
40°	3914.4	3910.7	3921.8	3924.2	3919.3	3925.5	3924.2	3920.5	3930.4	3923.0	3927.9
42.5°	4108.9	4088.0	4086.8	4096.6	4086.8	4091.7	4090.5	4081.8	4094.2	4097.9	4094.2
45°	4317.0	4305.9	4283.8	4283.8	4273.9	4270.2	4271.5	4270.2	4271.5	4286.2	4291.2
47.5°	4655.6	4587.9	4549.8	4514.0	4484.5	4483.3	4469.7	4477.1	4487.0	4511.6	4533.7
50°	5223.3	5066.9	4970.9	4882.2	4818.2	4796.0	4770.2	4767.7	4776.3	4804.6	4842.8
52.5°	6235.4	6018.7	5814.3	5624.7	5459.7	5332.9	5270.1	5236.8	5224.5	5252.8	5289.8
55°	8087.4	7678.6	7390.4	7198.3	6788.3	6614.7	6391.8	6289.6	6189.9	6199.7	6262.5
57.5°	11251.9	11031.5	10790.1	10454.0	10202.8	9899.9	9343.3	9033.0	9046.6	9119.2	8892.6
60°	15399.0	15176.1	15076.4	14771.0	14596.1	14474.2	14178.7	13664.0	13481.8	13447.3	13031.1
62.5°	16973.8	17026.8	17105.6	17191.8	17186.9	17239.8	16981.2	16813.8	16603.2	16329.9	15918.6
65°	16562.6	16696.8	16856.9	17088.3	17351.9	17546.4	17710.2	17690.5	17493.5	17129.0	16694.3
67.5°	15169.9	15302.9	15419.9	15730.2	16162.4	16557.6	16907.3	17145.0	17013.2	16711.6	16204.3
70°	13076.7	13172.7	13246.6	13516.3	13990.3	14473.0	14929.8	15328.8	15288.2	14922.4	14517.3
72.5°	9475.1	9707.8	9833.4	9814.9	10108.0	10648.5	10712.5	11053.6	11148.4	10754.4	10109.2
75°	4616.2	4619.9	4474.6	4426.6	4441.4	4535.0	4356.4	4367.5	4305.9	4026.4	3796.2
77.5°	1613.0	1568.7	1462.8	1337.2	1157.4	988.8	817.6	743.7	719.1	646.4	596.0
80°	1390.2	1455.4	1434.5	1331.1	1141.4	910.0	679.7	503.6	429.7	403.9	379.2
82.5°	1578.6	1829.8	1989.8	1981.2	1721.4	1292.9	806.5	463.0	330.0	289.4	266.0
85°	880.4	946.9	965.4	879.2	730.2	498.7	278.3	195.8	166.2	151.5	136.7
87.5°	140.4	128.1	125.6	109.6	103.4	94.8	83.7	78.8	72.6	69.0	69.0
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: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1785.4	1784.2	1780.5	1776.8	1774.3	1773.1	1771.9	1769.4	1768.2	1767.0	1764.5
5°	1827.3	1824.8	1818.7	1812.5	1810.0	1806.4	1802.7	1800.2	1797.7	1796.5	1791.6
7.5°	1892.5	1890.1	1882.7	1877.8	1876.5	1866.7	1865.5	1861.8	1855.6	1854.4	1847.0
10°	1971.4	1970.1	1964.0	1960.3	1957.8	1952.9	1945.5	1939.3	1933.2	1933.2	1928.3
12.5°	2062.5	2057.5	2061.2	2052.6	2050.2	2045.2	2041.5	2040.3	2032.9	2026.8	2025.5
15°	2169.6	2163.4	2163.4	2161.0	2158.5	2153.6	2152.4	2153.6	2146.2	2148.7	2141.3
17.5°	2302.6	2305.0	2303.8	2303.8	2297.7	2297.7	2287.8	2300.1	2291.5	2297.7	2295.2
20°	2468.8	2470.0	2467.6	2471.3	2473.7	2472.5	2471.3	2470.0	2473.7	2478.7	2475.0
22.5°	2646.1	2646.1	2644.9	2658.4	2643.7	2654.7	2658.4	2651.0	2670.7	2668.3	2672.0
25°	2838.2	2838.2	2848.1	2859.1	2861.6	2853.0	2857.9	2851.8	2864.1	2873.9	2876.4
27.5°	3016.8	3032.8	3040.1	3032.8	3038.9	3052.5	3051.2	3051.2	3059.8	3057.4	3080.8
30°	3200.2	3210.1	3219.9	3215.0	3217.5	3234.7	3235.9	3237.2	3248.2	3264.2	3281.5
32.5°	3409.5	3419.4	3414.5	3430.5	3429.2	3450.2	3453.9	3457.6	3492.0	3485.9	3521.6
35°	3666.9	3676.7	3671.8	3689.1	3686.6	3694.0	3707.5	3722.3	3728.5	3764.2	3792.5
37.5°	3787.6	3787.6	3798.6	3818.3	3825.7	3838.0	3859.0	3877.4	3908.2	3946.4	3990.7
40°	3932.9	3936.6	3951.3	3972.3	3985.8	4014.1	4052.3	4078.2	4124.9	4166.8	4218.5
42.5°	4108.9	4124.9	4142.2	4170.5	4200.1	4244.4	4298.6	4331.8	4393.4	4447.6	4511.6
45°	4314.6	4330.6	4371.2	4422.9	4466.0	4515.3	4559.6	4638.4	4693.8	4750.5	4805.9
47.5°	4563.3	4610.1	4643.3	4704.9	4757.8	4823.1	4878.5	4952.4	5012.7	5081.7	5128.5
50°	4882.2	4940.1	4983.2	5063.2	5114.9	5187.6	5257.8	5313.2	5374.7	5442.5	5480.6
52.5°	5340.3	5399.4	5453.5	5553.3	5617.3	5666.6	5760.1	5829.1	5885.7	5935.0	5976.9
55°	6332.7	6315.5	6465.7	6659.0	6681.2	6859.7	6893.0	6950.8	7055.5	7070.3	7187.3
57.5°	9168.5	9079.8	9297.7	9581.0	9531.7	9441.8	9817.4	9840.8	9787.8	9929.4	9769.3
60°	13092.7	12937.5	12996.7	13074.2	12962.2	12909.2	12927.7	12980.6	12928.9	12872.3	12717.1
62.5°	15713.0	15474.1	15302.9	15158.9	14976.6	14844.9	14697.1	14514.9	14465.6	14258.8	14085.1
65°	16272.0	15900.1	15629.2	15357.1	15105.9	14873.2	14650.3	14493.9	14287.1	14042.0	13861.0
67.5°	15657.5	15197.0	14800.5	14405.3	14120.9	13778.5	13611.1	13356.2	13101.3	12820.6	12654.3
70°	13872.1	13391.9	12893.2	12506.6	12119.9	11696.4	11613.9	11312.2	11165.7	10782.7	10716.2
72.5°	9574.8	9254.7	9031.8	8554.0	8318.8	8102.1	8033.2	7753.7	7783.2	7363.3	7516.0
75°	3404.6	3359.1	3293.8	3024.1	2976.1	2892.4	2870.2	2850.5	3050.0	2772.9	2973.7
77.5°	584.9	581.2	547.9	531.9	562.7	543.0	547.9	538.1	596.0	604.6	591.0
80°	363.2	353.4	342.3	334.9	336.2	328.8	330.0	332.5	336.2	334.9	338.6
82.5°	248.7	240.1	235.2	230.3	237.6	240.1	246.3	252.4	262.3	268.4	275.8
85°	135.4	124.4	124.4	123.1	133.0	140.4	150.2	162.5	179.8	194.5	210.6
87.5°	69.0	66.5	67.7	70.2	78.8	85.0	97.3	108.4	123.1	139.1	153.9
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: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1763.3	1763.3	1762.0	1762.0	1760.8	1759.6	1758.3	1754.6	1741.1	1728.8	1720.2
5°	1790.3	1786.7	1785.4	1781.7	1780.5	1778.0	1774.3	1770.6	1746.0	1723.9	1707.8
7.5°	1845.8	1840.8	1838.4	1834.7	1831.0	1826.1	1821.1	1817.4	1787.9	1762.0	1742.3
10°	1918.4	1915.9	1914.7	1909.8	1909.8	1902.4	1901.2	1892.5	1860.5	1837.1	1819.9
12.5°	2019.4	2014.5	2013.2	2007.1	2009.5	2007.1	2004.6	1999.7	1976.3	1949.2	1925.8
15°	2145.0	2145.0	2138.8	2133.9	2135.1	2132.7	2137.6	2131.4	2116.7	2092.0	2053.9
17.5°	2296.4	2294.0	2296.4	2292.7	2295.2	2297.7	2291.5	2292.7	2285.3	2254.6	2197.9
20°	2472.5	2468.8	2483.6	2477.4	2491.0	2478.7	2481.1	2484.8	2484.8	2444.2	2367.8
22.5°	2674.4	2672.0	2672.0	2684.3	2689.2	2690.4	2695.4	2699.1	2708.9	2657.2	2535.3
25°	2876.4	2885.0	2886.2	2902.2	2909.6	2909.6	2913.3	2926.9	2956.4	2885.0	2727.4
27.5°	3082.0	3102.9	3107.9	3119.0	3130.0	3141.1	3149.7	3159.6	3207.6	3130.0	2924.4
30°	3287.6	3311.0	3328.3	3340.6	3354.1	3381.2	3386.1	3405.8	3485.9	3391.1	3111.6
32.5°	3529.0	3562.2	3584.4	3600.4	3621.3	3647.2	3662.0	3686.6	3764.2	3609.0	3248.2
35°	3817.1	3836.8	3868.8	3895.9	3908.2	3952.6	3976.0	3982.1	4041.2	3797.4	3349.2
37.5°	4016.6	4049.8	4105.2	4143.4	4165.6	4190.2	4229.6	4255.5	4312.1	3968.6	3399.7
40°	4270.2	4320.7	4365.1	4421.7	4457.4	4475.9	4515.3	4536.2	4543.6	4115.1	3383.7
42.5°	4579.3	4624.9	4684.0	4729.5	4756.6	4777.5	4809.6	4818.2	4722.1	4184.0	3297.5
45°	4869.9	4940.1	4990.6	5023.8	5043.5	5054.6	5074.3	5075.5	4869.9	4149.6	3149.7
47.5°	5182.7	5233.1	5279.9	5303.3	5300.9	5303.3	5295.9	5291.0	4943.8	4030.1	2960.1
50°	5528.7	5561.9	5581.6	5592.7	5598.8	5575.4	5542.2	5520.0	4949.9	3860.2	2768.0
52.5°	5992.9	6034.7	6031.0	6029.8	5980.6	5958.4	5869.7	5824.2	4914.2	3660.7	2551.3
55°	7168.8	7128.1	7048.1	7087.5	6886.8	6782.1	6644.2	6516.2	4961.0	3471.1	2300.1
57.5°	9833.4	9849.4	9621.6	9499.7	9161.1	8737.5	8396.4	8065.2	5382.1	3355.4	1972.6
60°	12613.7	12404.4	12115.0	11674.2	11238.3	10609.1	10002.1	9428.3	5802.0	3234.7	1584.7
62.5°	13827.8	13529.8	13092.7	12522.6	11838.0	11068.4	10312.4	9613.0	5598.8	2844.4	1152.5
65°	13581.5	13125.9	12643.3	11975.9	11143.5	10300.0	9417.2	8703.0	4684.0	2121.6	710.5
67.5°	12293.6	11906.9	11397.2	10605.4	9715.2	8837.2	8028.2	7227.9	3479.7	1322.4	397.7
70°	10376.4	9998.4	9481.2	8671.0	7782.0	6942.2	6085.2	5432.6	2217.6	637.8	286.9
72.5°	7198.3	6891.7	6526.0	5948.5	5169.1	4405.7	3825.7	3324.6	1228.9	338.6	262.3
75°	2923.2	2924.4	2857.9	2614.1	2209.0	1904.9	1624.1	1377.9	513.5	288.1	258.6
77.5°	662.5	673.5	736.3	698.2	629.2	588.6	527.0	465.4	312.8	296.7	261.0
80°	334.9	336.2	332.5	333.7	330.0	331.2	326.3	322.6	293.1	305.4	261.0
82.5°	279.5	285.7	284.4	284.4	285.7	285.7	285.7	284.4	304.1	321.4	252.4
85°	221.6	234.0	243.8	253.7	264.7	272.1	275.8	279.5	295.5	316.5	229.0
87.5°	167.5	182.2	194.5	204.4	221.6	221.6	234.0	242.6	242.6	247.5	120.7
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: P159341

CATALOG NUMBER: VST-E06-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	1768.2	1768.2	1768.2	1768.2	1768.2
2.5°	1707.8	1702.9	1698.0	1695.5	1690.6
5°	1695.5	1685.7	1679.5	1679.5	1674.6
7.5°	1731.2	1727.6	1718.9	1714.0	1718.9
10°	1807.6	1801.4	1791.6	1784.2	1787.9
12.5°	1909.8	1885.2	1865.5	1856.8	1850.7
15°	2015.7	1966.4	1927.0	1904.9	1898.7
17.5°	2129.0	2042.8	1983.7	1950.4	1944.3
20°	2244.7	2137.6	2053.9	2010.8	2009.5
22.5°	2383.8	2241.0	2133.9	2077.2	2073.6
25°	2530.4	2333.4	2191.8	2119.1	2111.7
27.5°	2657.2	2407.2	2227.5	2141.3	2133.9
30°	2763.1	2462.7	2257.0	2157.3	2147.4
32.5°	2839.4	2494.7	2269.3	2162.2	2151.1
35°	2864.1	2482.4	2234.9	2117.9	2105.6
37.5°	2830.8	2402.3	2138.8	2009.5	1994.7
40°	2731.1	2261.9	1982.4	1849.5	1831.0
42.5°	2578.4	2089.6	1794.0	1667.2	1643.8
45°	2390.0	1895.0	1606.9	1465.3	1454.2
47.5°	2193.0	1690.6	1396.3	1268.3	1254.7
50°	1980.0	1454.2	1190.7	1051.6	1051.6
52.5°	1726.3	1223.9	951.8	847.2	838.5
55°	1434.5	964.1	758.5	678.5	667.4
57.5°	1120.5	741.3	605.8	559.0	546.7
60°	823.8	556.6	487.6	461.7	456.8
62.5°	559.0	423.6	392.8	381.7	380.5
65°	378.0	330.0	321.4	317.7	318.9
67.5°	290.6	274.6	270.9	269.7	269.7
70°	252.4	242.6	238.9	240.1	238.9
72.5°	237.6	224.1	225.3	227.8	226.6
75°	232.7	215.5	220.4	221.6	216.7
77.5°	229.0	205.6	217.9	221.6	208.1
80°	221.6	197.0	226.6	227.8	204.4
82.5°	203.2	174.8	226.6	209.3	184.7
85°	172.4	133.0	256.1	182.2	136.7
87.5°	109.6	78.8	173.6	124.4	82.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)