

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: P157359

Luminaire Tested: **VST-E06-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157359
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33708)
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-5MQ-7030
Description: VENTUS LED SITE/ROADWAY LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

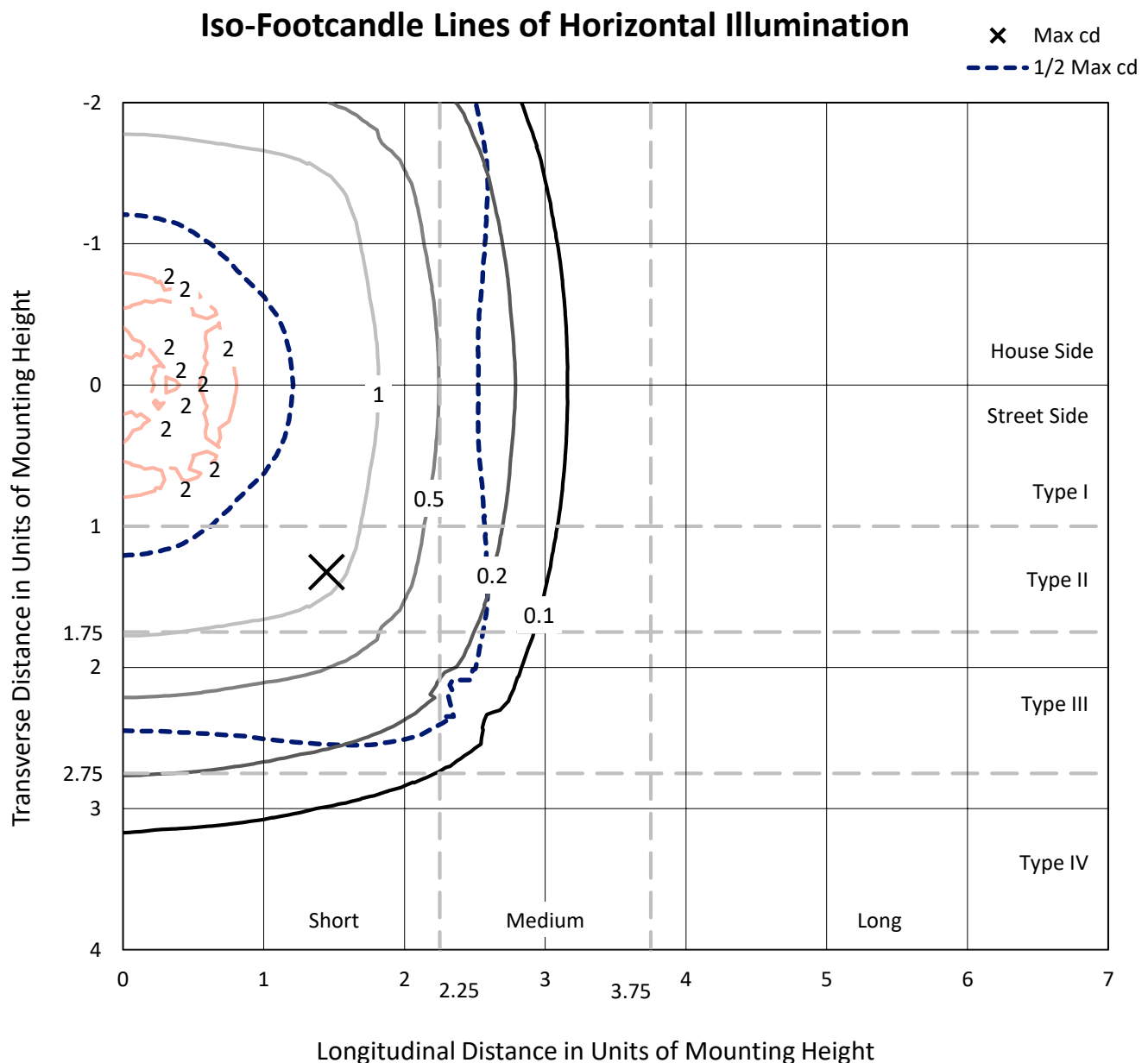
Lumens per Lamp: N/A
Luminaire Lumens: 17530.1 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

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: P157359

CATALOG NUMBER: VST-E06-LED-E-U-5MQ-7030

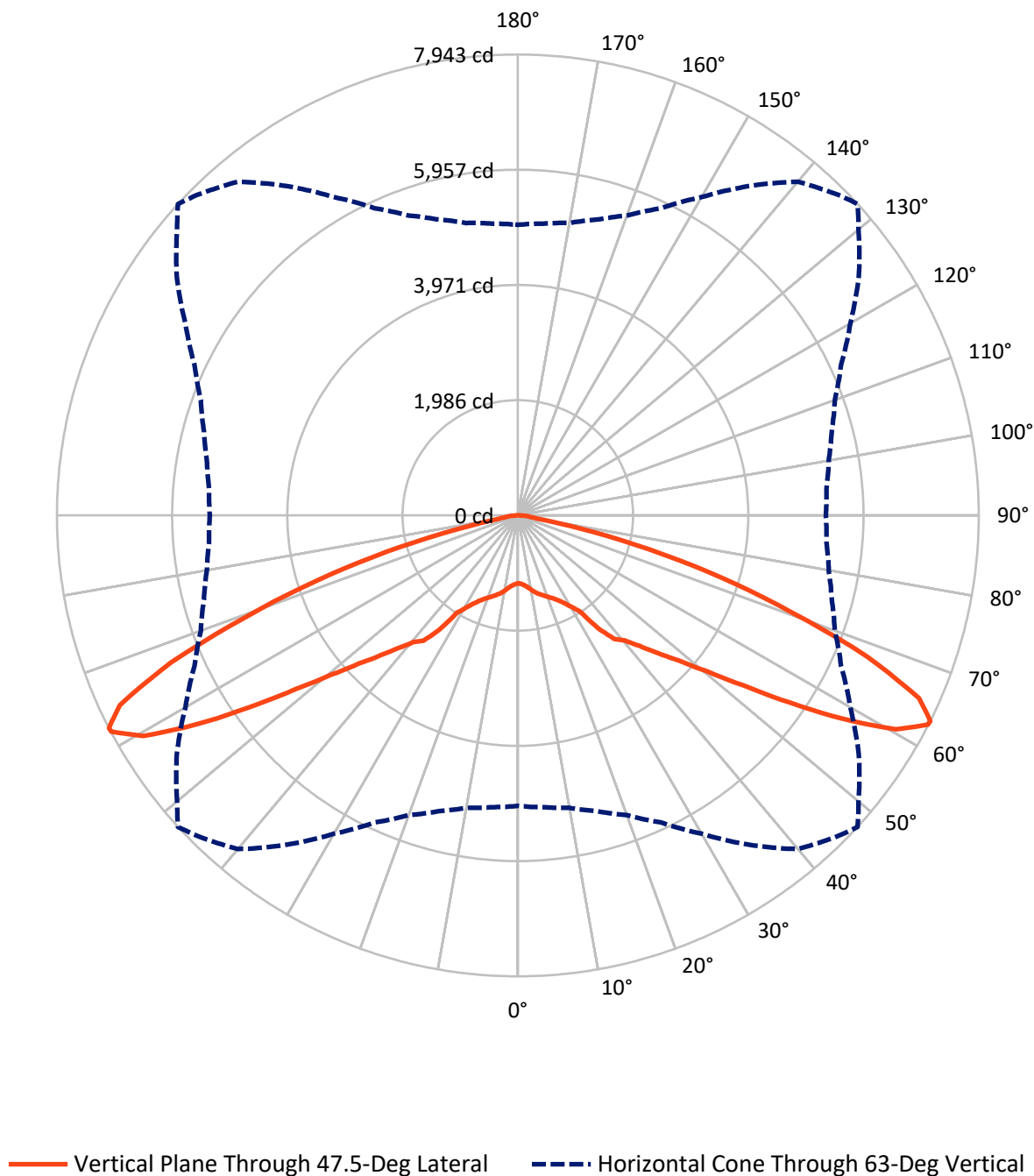


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - Full Cutoff

REPORT NUMBER: P157359

CATALOG NUMBER: VST-E06-LED-E-U-5MQ-7030

Luminous Intensity Polar Plot



REPORT NUMBER: P157359

CATALOG NUMBER: VST-E06-LED-E-U-5MQ-7030

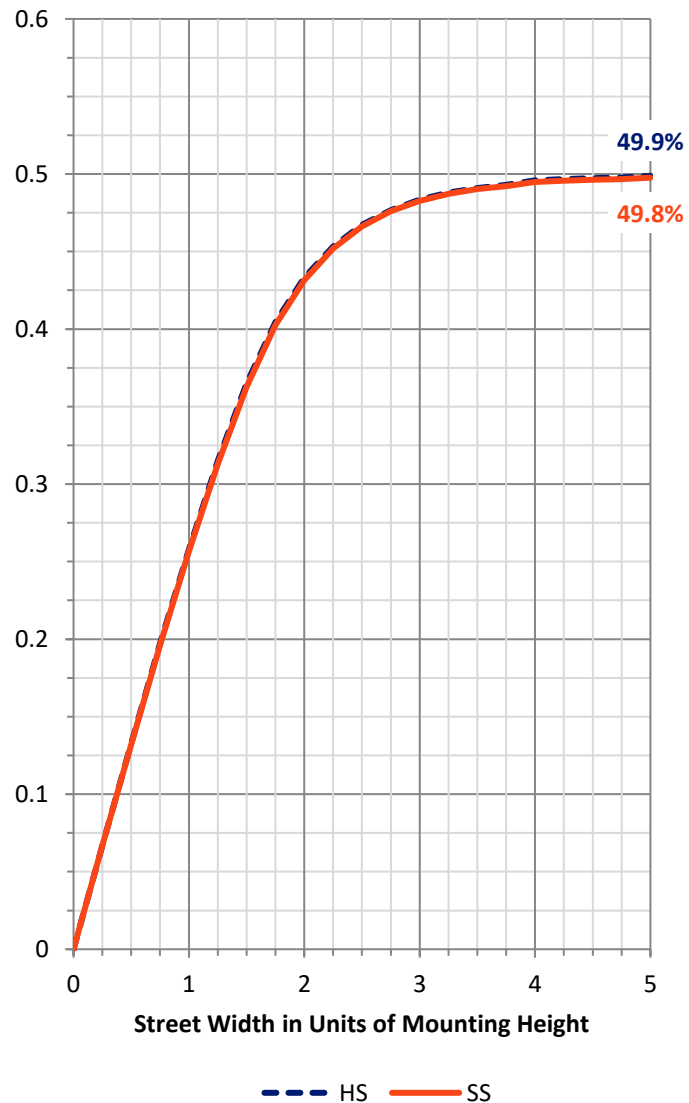
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8765.0	0.0	8765.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8765.0	0.0	8765.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17530.1	0.0	17530.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	0.7
10°-20°	399.5	2.3
20°-30°	764.1	4.4
30°-40°	1461.7	8.3
40°-50°	2529.2	14.4
50°-60°	4542.3	25.9
60°-70°	5523.5	31.5
70°-80°	1994.8	11.4
80°-90°	197.6	1.1
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°	17530.1	100.0
0°-180°	17530.1	100.0

Coefficient of Utilization



REPORT NUMBER: P157359

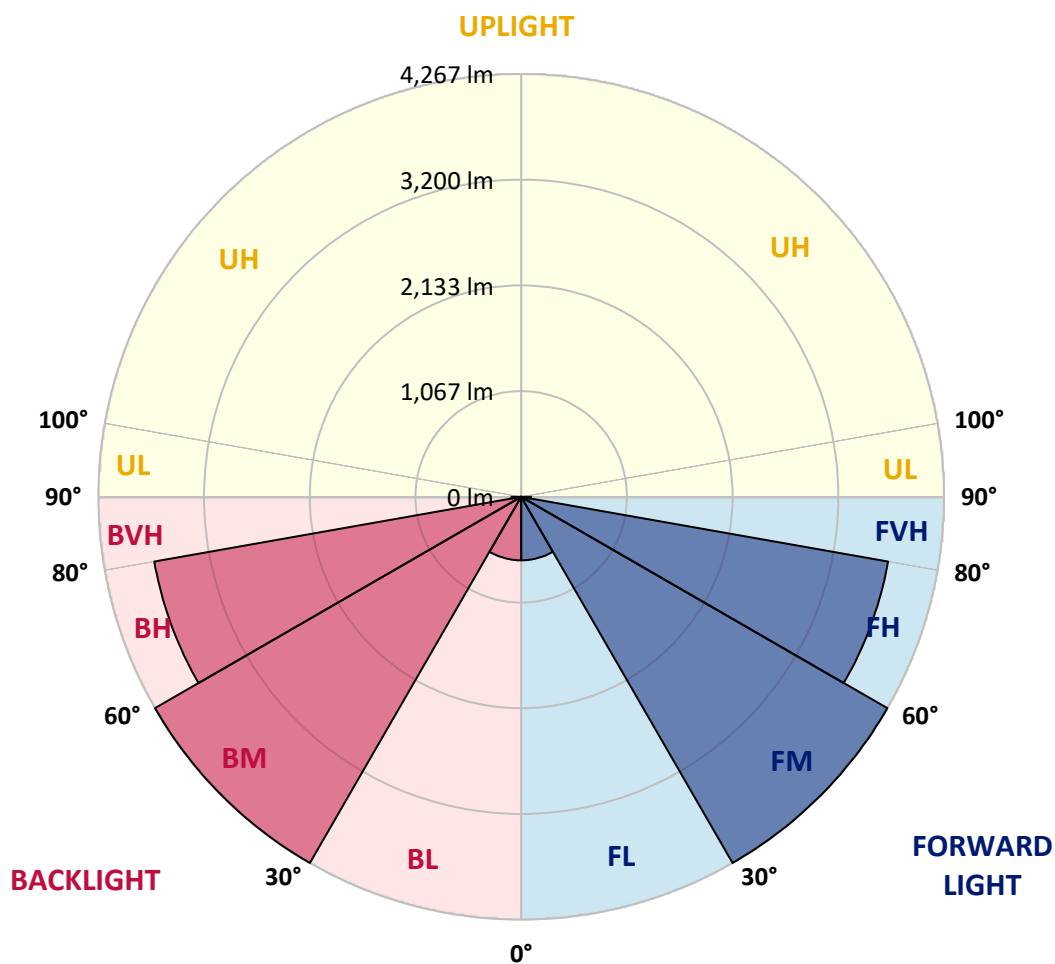
CATALOG NUMBER: VST-E06-LED-E-U-5MQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	640.6	3.7			
FM	(30°-60°)	4266.6	24.3			
FH	(60°-80°)	3759.1	21.4			G2/5000
FVH	(80°-90°)	98.8	0.6			G1/100
BL	(0°-30°)	640.6	3.7	B2/1000		
BM	(30°-60°)	4266.6	24.3	B3/5000		
BH	(60°-80°)	3759.1	21.4	B4/5000		G2/5000
BVH	(80°-90°)	98.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P157359

CATALOG NUMBER: VST-E06-LED-E-U-5MQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	47.5°
0°	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5
2.5°	1178.2	1176.0	1177.1	1178.2	1177.1	1176.0	1176.0	1176.0	1178.2	1176.0	1181.5
5°	1201.2	1199.0	1200.1	1200.1	1200.1	1198.0	1198.0	1198.0	1196.9	1198.0	1210.0
7.5°	1245.1	1241.8	1240.7	1242.9	1240.7	1239.6	1238.5	1238.5	1236.3	1236.3	1251.7
10°	1297.7	1293.3	1295.5	1296.6	1293.3	1291.1	1291.1	1291.1	1287.8	1286.7	1306.5
12.5°	1355.8	1353.6	1353.6	1351.4	1350.3	1348.1	1347.0	1348.1	1343.7	1343.7	1363.4
15°	1411.7	1407.3	1408.4	1405.1	1402.9	1400.7	1399.6	1398.5	1396.3	1396.3	1408.4
17.5°	1463.2	1459.9	1458.8	1455.5	1452.2	1448.9	1446.7	1445.7	1442.4	1442.4	1453.3
20°	1516.9	1513.6	1511.4	1505.9	1500.5	1497.2	1492.8	1490.6	1486.2	1487.3	1499.4
22.5°	1578.3	1572.8	1568.4	1564.0	1554.2	1547.6	1542.1	1537.7	1535.5	1535.5	1552.0
25°	1660.5	1657.2	1650.6	1636.4	1624.3	1614.4	1605.7	1601.3	1596.9	1594.7	1619.9
27.5°	1761.3	1758.0	1749.2	1735.0	1718.6	1702.1	1692.3	1684.6	1679.1	1675.8	1712.0
30°	1895.0	1889.5	1881.9	1858.9	1844.6	1819.4	1808.4	1797.5	1785.4	1788.7	1831.5
32.5°	2157.0	2149.3	2125.2	2100.0	2056.1	2022.2	1987.1	1960.8	1935.6	1932.3	1978.3
35°	2394.8	2391.5	2387.1	2369.6	2353.2	2332.3	2315.9	2288.5	2265.5	2260.0	2389.3
37.5°	2523.0	2530.7	2524.1	2521.9	2521.9	2531.8	2562.5	2593.2	2615.1	2628.3	2700.6
40°	2719.2	2719.2	2711.6	2707.2	2698.4	2711.6	2724.7	2747.7	2757.6	2758.7	2832.1
42.5°	2941.7	2942.8	2935.1	2922.0	2917.6	2929.7	2947.2	2969.1	2982.3	2985.6	3071.0
45°	3189.4	3186.1	3179.6	3175.2	3178.5	3189.4	3210.2	3253.0	3272.7	3288.1	3381.2
47.5°	3457.9	3479.9	3461.2	3464.5	3464.5	3498.5	3545.6	3580.7	3612.5	3642.1	3740.7
50°	3809.8	3813.1	3816.3	3826.2	3832.8	3877.7	3936.9	3978.6	4024.6	4062.9	4224.1
52.5°	4280.0	4273.4	4289.8	4300.8	4338.0	4362.2	4460.8	4513.4	4577.0	4626.3	4861.9
55°	4842.2	4838.9	4863.0	4871.8	4921.1	4980.3	5089.9	5205.0	5313.5	5373.8	5696.0
57.5°	5245.6	5254.3	5296.0	5354.1	5450.5	5576.6	5739.9	5994.1	6200.2	6265.9	6621.1
60°	5334.3	5362.8	5425.3	5541.5	5707.0	5941.5	6262.7	6651.7	7028.8	7154.8	7488.0
62.5°	5085.5	5118.4	5210.5	5349.7	5565.6	5913.0	6376.6	6925.8	7485.8	7766.4	7934.1
63°	5006.6	5047.2	5116.2	5277.3	5496.5	5839.6	6332.8	6924.7	7505.5	7811.3	7942.9
65°	4636.2	4643.8	4746.9	4908.0	5154.6	5510.8	6008.4	6692.3	7336.8	7689.7	7598.7
67.5°	3989.5	4021.3	4107.9	4270.1	4510.1	4880.6	5420.9	6053.3	6620.0	6901.6	6495.0
70°	3223.4	3221.2	3328.6	3459.0	3670.6	3996.1	4469.6	5040.6	5490.0	5694.9	5014.3
72.5°	2302.7	2245.7	2324.7	2469.3	2642.5	2902.3	3277.1	3721.0	4123.2	4300.8	3666.2
75°	1048.9	1033.5	1103.7	1247.3	1422.6	1653.9	1961.9	2345.5	2731.3	2939.5	2335.6
77.5°	352.9	357.3	384.7	436.2	530.5	646.7	838.5	1084.0	1396.3	1602.4	1096.0
80°	236.7	243.3	252.1	259.8	270.7	288.3	329.9	393.5	489.9	592.9	346.3
82.5°	194.0	201.7	221.4	230.2	236.7	242.2	245.5	249.9	249.9	252.1	219.2
85°	139.2	152.3	178.7	195.1	201.7	206.1	211.5	218.1	208.2	199.5	169.9
87.5°	48.2	65.8	96.4	106.3	114.0	115.1	122.8	135.9	129.3	105.2	51.5
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: P157359

CATALOG NUMBER: VST-E06-LED-E-U-5MQ-7030

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°
0°	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5	1170.5
2.5°	1176.0	1174.9	1176.0	1177.1	1177.1	1177.1	1178.2	1179.3	1179.3
5°	1198.0	1199.0	1198.0	1199.0	1199.0	1200.1	1200.1	1202.3	1202.3
7.5°	1235.2	1237.4	1236.3	1238.5	1238.5	1240.7	1239.6	1242.9	1242.9
10°	1285.6	1287.8	1290.0	1291.1	1290.0	1292.2	1294.4	1295.5	1294.4
12.5°	1342.6	1343.7	1342.6	1344.8	1344.8	1347.0	1347.0	1350.3	1350.3
15°	1395.2	1394.1	1393.0	1396.3	1398.5	1399.6	1401.8	1405.1	1401.8
17.5°	1442.4	1443.5	1441.3	1444.6	1448.9	1452.2	1454.4	1458.8	1457.7
20°	1489.5	1487.3	1489.5	1495.0	1499.4	1503.7	1508.1	1514.7	1513.6
22.5°	1535.5	1537.7	1543.2	1547.6	1555.3	1561.8	1567.3	1576.1	1579.4
25°	1600.2	1600.2	1609.0	1614.4	1625.4	1634.2	1646.2	1656.1	1661.6
27.5°	1682.4	1682.4	1692.3	1704.3	1720.8	1736.1	1749.2	1762.4	1760.2
30°	1794.2	1799.7	1808.4	1823.8	1845.7	1864.3	1881.9	1895.0	1896.1
32.5°	1941.1	1947.6	1973.9	2013.4	2059.4	2094.5	2120.8	2152.6	2157.0
35°	2274.2	2290.7	2324.7	2356.4	2375.1	2395.9	2409.1	2410.1	2412.3
37.5°	2625.0	2596.5	2570.2	2546.1	2535.1	2532.9	2532.9	2537.3	2539.5
40°	2753.2	2739.0	2726.9	2711.6	2715.9	2714.8	2722.5	2729.1	2733.5
42.5°	2972.4	2961.4	2950.5	2930.8	2941.7	2938.4	2949.4	2959.3	2964.7
45°	3278.2	3244.2	3220.1	3188.3	3199.3	3192.7	3192.7	3204.8	3207.0
47.5°	3615.8	3576.3	3527.0	3487.5	3474.4	3462.3	3473.3	3473.3	3461.2
50°	4020.2	3973.1	3915.0	3851.4	3829.5	3817.4	3821.8	3827.3	3793.3
52.5°	4569.3	4516.7	4434.5	4338.0	4317.2	4307.4	4305.2	4297.5	4288.7
55°	5313.5	5214.9	5114.0	4986.9	4948.5	4937.6	4938.7	4929.9	4950.7
57.5°	6191.4	6046.7	5814.4	5659.8	5567.8	5532.7	5500.9	5487.8	5488.9
60°	7060.6	6765.7	6418.3	6148.7	5955.8	5833.0	5736.6	5682.9	5667.5
62.5°	7620.6	7157.0	6635.3	6198.0	5881.2	5678.5	5526.1	5429.7	5399.0
63°	7664.5	7173.5	6615.6	6146.5	5813.3	5600.7	5440.6	5340.9	5308.0
65°	7569.1	7008.0	6358.0	5799.0	5434.1	5198.4	5025.3	4931.0	4905.8
67.5°	6828.2	6361.3	5699.3	5121.7	4753.4	4514.5	4316.1	4226.3	4197.8
70°	5554.6	5234.6	4692.1	4198.9	3855.8	3625.6	3425.1	3350.5	3349.4
72.5°	4117.7	3702.4	3379.0	3017.3	2718.1	2535.1	2360.8	2277.5	2235.9
75°	2723.6	2278.6	1916.9	1612.2	1314.1	1149.7	953.5	869.1	819.8
77.5°	1372.2	1017.1	728.9	505.3	392.4	322.2	294.8	280.6	279.5
80°	457.0	343.1	294.8	276.2	270.7	271.8	268.5	263.0	256.5
82.5°	253.2	266.3	268.5	260.9	260.9	256.5	252.1	231.3	220.3
85°	217.0	238.9	241.1	236.7	235.6	229.1	221.4	192.9	176.5
87.5°	135.9	156.7	153.4	137.0	151.3	141.4	133.7	86.6	63.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)