

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: McGRAW-EDISON

Report Number: P165167

Luminaire Tested: **VTS-E06-LED-E1-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165167
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E06-LED-E1-SL3-HSS
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10278.6 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

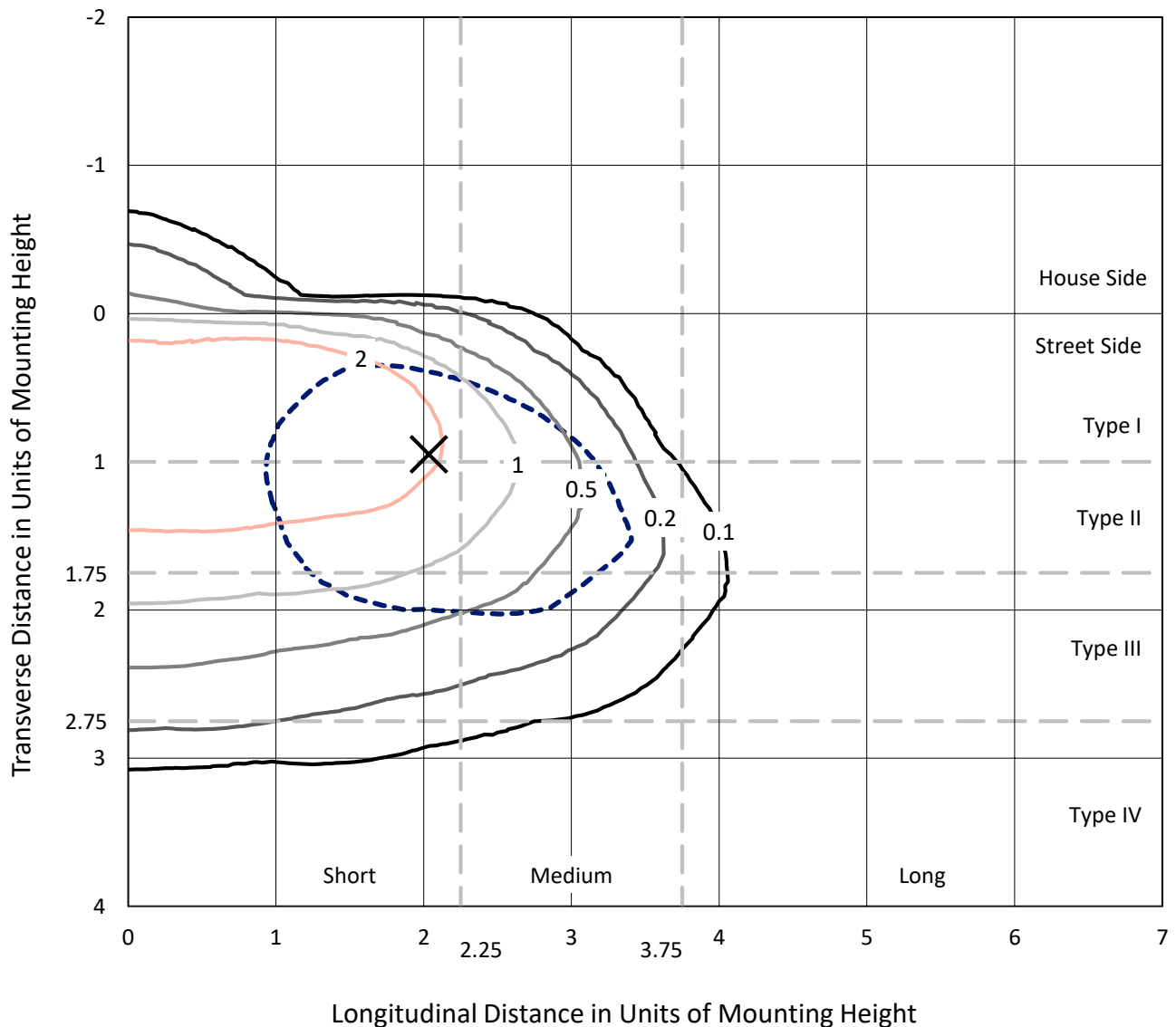
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

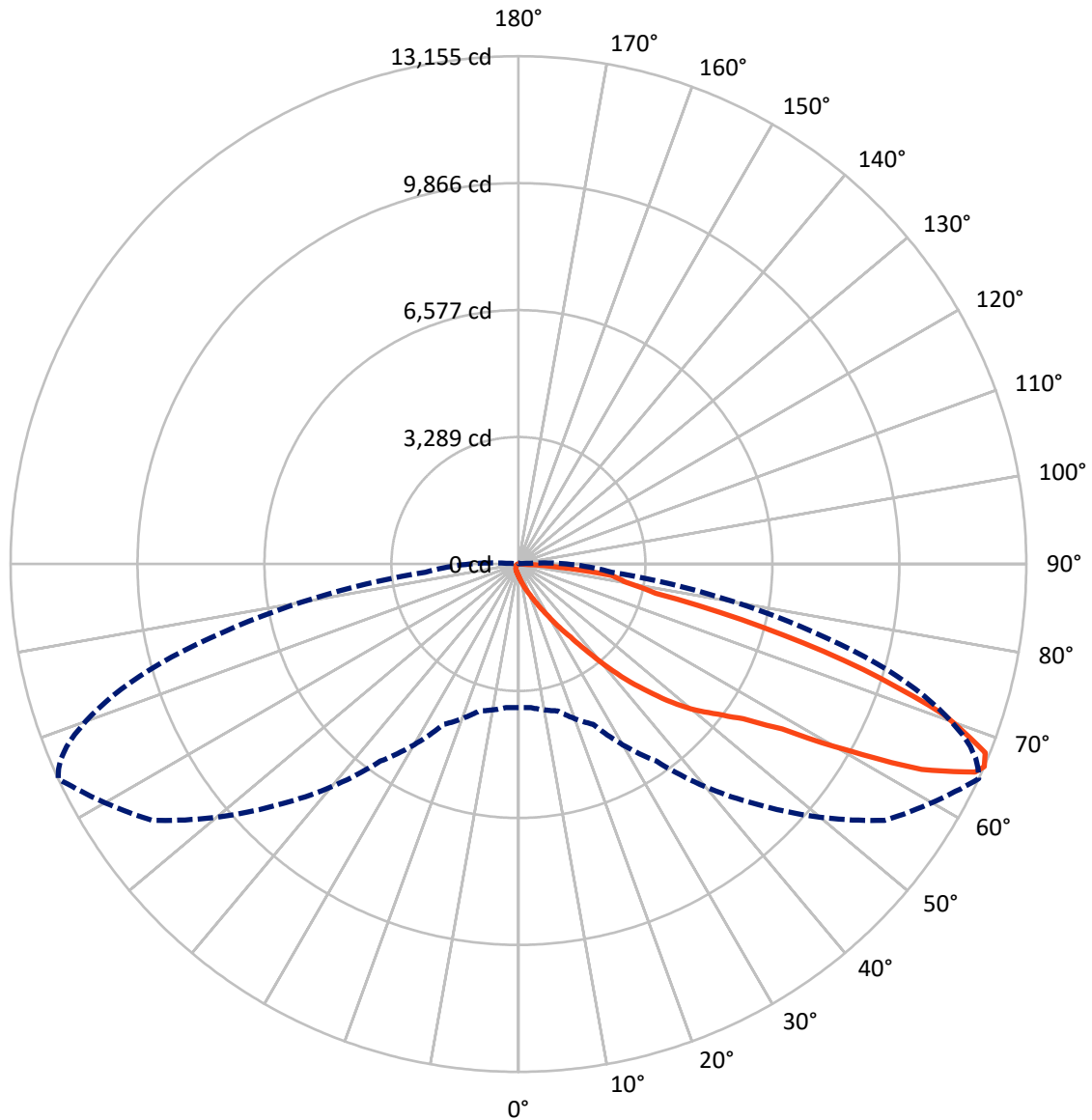


Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

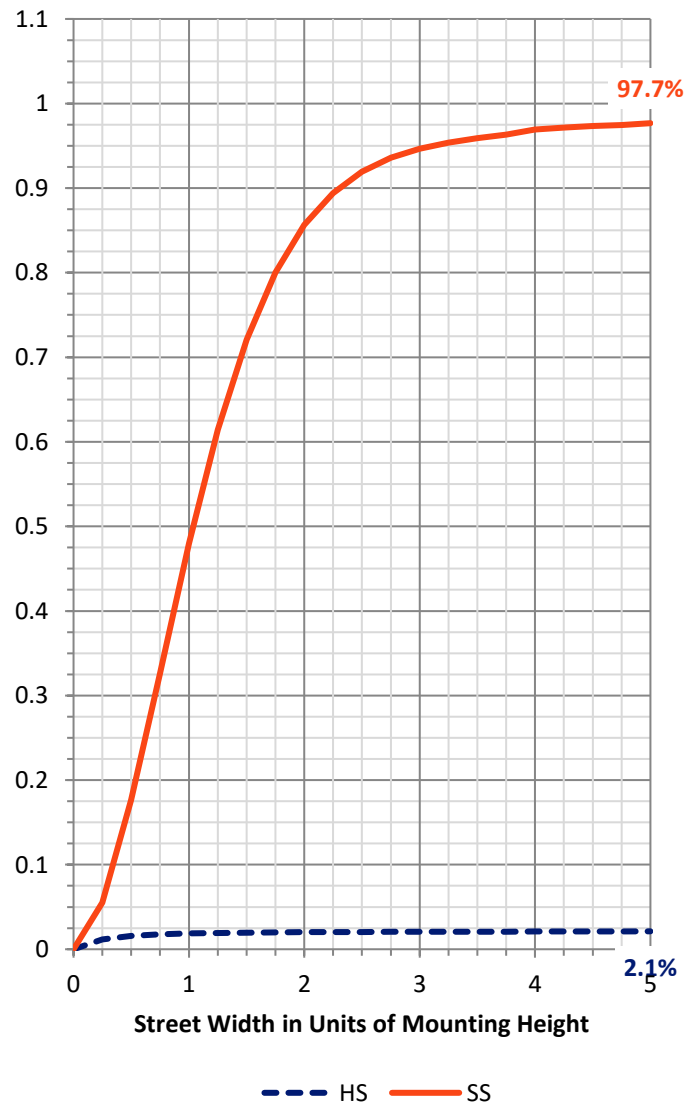
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	222.7	0.0	222.7
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	10055.9	0.0	10055.9
	% Fixture	97.8	0.0	97.8
Total	Lumens	10278.6	0.0	10278.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	0.3
10°-20°	147.3	1.4
20°-30°	317.6	3.1
30°-40°	678.3	6.6
40°-50°	1500.0	14.6
50°-60°	2542.1	24.7
60°-70°	3392.2	33.0
70°-80°	1494.2	14.5
80°-90°	172.1	1.7
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°	10278.6	100.0
0°-180°	10278.6	100.0



REPORT NUMBER: P165167

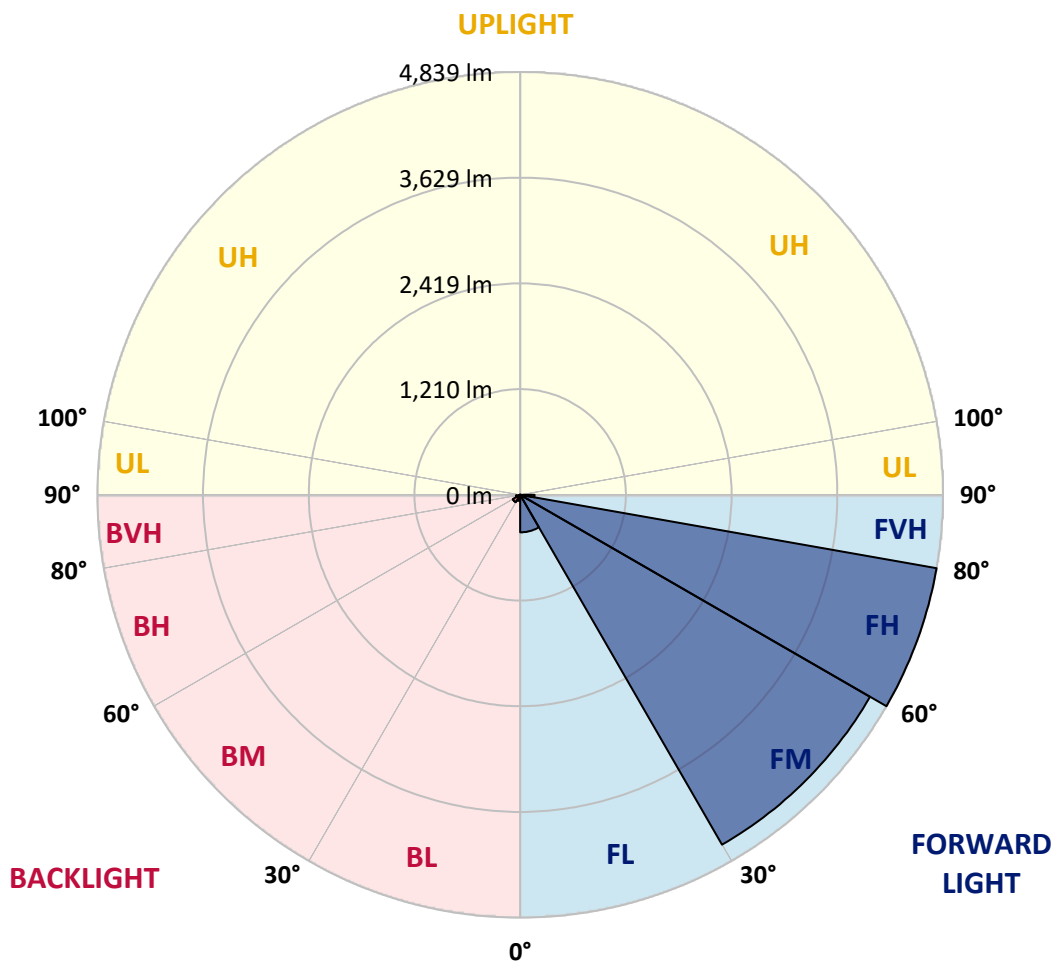
CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.3	4.2			
FM (30°-60°)	4622.6	45.0			
FH (60°-80°)	4838.7	47.1			G2/5000
FVH (80°-90°)	165.3	1.6			G2/225
BL (0°-30°)	70.3	0.7	B0/110		
BM (30°-60°)	97.8	1.0	B0/220		
BH (60°-80°)	47.8	0.5	B0/110		G0/110
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short





REPORT NUMBER: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2
2.5°	391.3	389.3	381.4	381.4	369.5	361.7	351.7	341.9	341.9	339.8	337.9
5°	517.7	505.9	503.9	482.2	464.4	438.7	415.0	383.4	379.4	375.5	373.4
7.5°	658.1	656.0	638.3	612.6	577.1	529.6	482.2	430.8	422.9	418.9	411.0
10°	839.9	829.9	806.3	762.7	709.4	646.2	569.2	488.0	478.2	470.3	466.3
12.5°	1013.8	996.0	982.1	926.8	859.6	766.7	673.8	557.3	549.4	539.5	523.7
15°	1175.8	1159.9	1136.3	1088.9	1013.8	897.1	788.5	646.2	626.4	612.6	600.7
17.5°	1302.2	1292.4	1264.7	1211.4	1130.3	1027.6	897.1	737.0	721.3	703.4	681.7
20°	1422.8	1408.9	1365.5	1292.4	1205.4	1126.3	1025.6	855.6	833.9	812.2	788.5
22.5°	1537.4	1523.5	1452.5	1331.9	1239.0	1205.4	1169.9	990.0	956.4	938.6	914.9
25°	1697.5	1667.9	1557.1	1365.5	1241.0	1266.7	1327.9	1163.9	1132.3	1106.6	1069.1
27.5°	1912.9	1873.3	1699.4	1414.9	1248.8	1333.9	1509.7	1375.3	1341.7	1312.1	1270.7
30°	2155.9	2130.2	1922.8	1533.5	1306.2	1432.7	1713.2	1644.1	1604.6	1569.0	1519.7
32.5°	2401.0	2365.4	2159.9	1758.7	1460.3	1624.3	1968.2	1956.4	1905.0	1871.4	1818.0
35°	2616.4	2598.6	2446.4	2128.2	1812.1	1960.3	2308.1	2321.9	2276.5	2240.9	2181.6
37.5°	2762.6	2762.6	2733.0	2525.4	2371.3	2482.0	2808.0	2810.0	2764.6	2683.6	2653.9
40°	2837.6	2859.4	2966.2	3005.6	2997.7	3140.0	3464.2	3428.5	3391.0	3349.4	3250.7
42.5°	2991.8	3011.5	3238.8	3511.6	3689.4	3877.1	4100.4	4088.5	4043.2	3968.0	3877.1
45°	3252.7	3278.4	3549.1	3981.8	4347.4	4614.2	4756.4	4701.1	4655.6	4584.6	4537.1
47.5°	3584.6	3634.1	3940.3	4475.9	4916.5	5357.2	5505.4	5359.2	5319.7	5264.3	5187.2
50°	3938.4	3985.8	4311.8	4924.4	5422.4	5948.0	6195.1	5948.0	5890.8	5872.9	5786.0
52.5°	4244.6	4284.2	4598.4	5270.3	5809.7	6426.2	6785.9	6459.8	6418.3	6359.0	6295.8
55°	4426.4	4458.1	4752.5	5436.2	6072.6	6857.0	7357.1	7070.5	7009.2	6985.6	6894.6
57.5°	4487.8	4519.3	4784.2	5458.0	6214.8	7250.3	8050.7	8060.5	7987.4	7902.5	7874.8
60°	4487.8	4523.3	4746.6	5404.7	6353.2	7669.2	8975.4	9799.4	9641.4	9625.6	9524.8
62.5°	4302.0	4335.6	4560.8	5240.6	6538.9	8234.4	10263.8	11718.2	11672.9	11570.0	11404.1
65°	3898.8	3918.6	4139.9	4821.7	6467.8	8754.1	11380.3	12994.8	12921.7	12720.1	12506.8
66°	3717.0	3732.8	3940.3	4582.6	6234.6	8825.3	11578.0	13154.9	13034.4	12864.4	12623.3
67.5°	3454.2	3481.9	3628.1	4138.0	5675.4	8578.2	11453.5	13042.3	12937.6	12732.0	12490.9
70°	2306.2	2286.4	2802.1	3175.6	4323.7	6989.5	10275.7	11710.3	11712.4	11615.5	11518.7
72.5°	1094.8	1106.6	1256.8	1954.3	2829.7	4669.6	8179.1	9346.9	9481.3	9307.4	9186.8
75°	786.5	804.2	895.2	1195.6	1687.6	2802.1	5301.8	6536.9	6540.8	6232.6	5958.0
77.5°	229.2	239.2	335.9	737.0	1264.7	1891.1	3045.1	3634.1	3549.1	3327.7	3120.2
80°	94.8	94.8	98.8	235.2	507.8	1284.5	2130.2	2798.2	2788.3	2703.4	2580.8
82.5°	35.5	37.6	47.4	96.8	120.6	316.2	1420.8	2428.7	2422.7	2302.2	2215.2
85°	4.0	4.0	11.9	41.5	45.5	59.3	284.5	1071.0	1065.1	1071.0	938.6
87.5°	0.0	0.0	1.9	4.0	5.9	7.9	11.9	41.5	45.5	43.4	39.5
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: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2
2.5°	337.9	334.0	334.0	332.0	332.0	332.0	330.0	328.1	328.1	326.0	324.1
5°	369.5	365.5	363.6	359.6	357.7	355.7	351.7	349.8	345.8	343.8	341.9
7.5°	407.0	399.1	397.2	391.3	385.3	381.4	377.4	371.5	367.6	359.6	357.7
10°	454.6	444.6	436.7	428.8	422.9	413.0	407.0	399.1	391.3	385.3	379.4
12.5°	515.8	502.0	490.1	482.2	468.4	456.5	444.6	438.7	422.9	415.0	405.1
15°	583.0	567.1	553.3	537.5	527.6	507.8	492.0	474.2	466.3	452.5	436.7
17.5°	669.8	644.2	622.4	606.7	586.9	567.1	549.4	531.6	507.8	492.0	472.3
20°	762.7	741.0	711.4	683.8	660.0	636.4	610.6	586.9	565.2	539.5	515.8
22.5°	881.4	849.7	814.2	786.5	754.9	729.2	693.6	662.0	626.4	592.8	565.2
25°	1031.5	990.0	956.4	916.9	879.4	839.9	796.3	756.8	711.4	679.8	632.4
27.5°	1217.3	1177.8	1132.3	1081.0	1043.4	984.1	926.8	877.4	824.0	774.6	721.3
30°	1454.4	1397.2	1349.6	1300.3	1225.2	1167.8	1100.6	1033.6	960.4	911.0	829.9
32.5°	1738.9	1677.7	1606.6	1535.4	1466.3	1385.3	1302.2	1219.2	1138.2	1047.4	964.3
35°	2086.8	2013.6	1932.6	1855.6	1748.9	1661.9	1557.1	1442.5	1351.7	1246.9	1142.2
37.5°	2547.2	2426.6	2355.5	2274.5	2130.2	2011.7	1895.0	1780.4	1620.4	1509.7	1361.5
40°	3124.2	3053.0	2936.5	2806.1	2675.6	2519.5	2361.5	2209.3	2023.6	1869.4	1697.5
42.5°	3802.0	3697.3	3578.8	3391.0	3258.6	3074.8	2895.0	2693.4	2466.1	2268.6	2067.0
45°	4438.3	4313.9	4222.9	4035.2	3896.9	3679.4	3462.1	3248.8	2985.8	2731.0	2497.8
47.5°	5126.0	5023.2	4873.1	4720.9	4580.6	4335.6	4100.4	3841.6	3564.8	3262.6	2960.2
50°	5730.7	5649.7	5546.9	5363.2	5207.0	5001.5	4724.9	4442.3	4092.5	3792.1	3448.3
52.5°	6244.4	6181.2	6037.0	5906.5	5766.2	5572.6	5325.6	5054.9	4677.5	4347.4	3956.2
55°	6851.2	6805.7	6679.2	6598.2	6473.8	6288.0	6056.8	5805.8	5406.6	5047.0	4604.3
57.5°	7845.1	7809.6	7698.8	7665.2	7542.7	7380.7	7096.2	6827.4	6361.1	5914.4	5408.6
60°	9491.2	9420.1	9258.0	9175.1	8916.1	8698.8	8329.3	7959.7	7396.6	6827.4	6218.8
62.5°	11253.8	11054.3	10746.0	10481.3	10113.7	9736.2	9242.2	8677.1	8017.1	7341.2	6641.6
65°	12204.4	11864.5	11475.2	11054.3	10578.1	10022.8	9400.3	8722.6	8013.1	7299.7	6560.6
66°	12313.1	11929.7	11516.8	11048.4	10518.8	9928.0	9295.6	8584.2	7847.0	7151.5	6412.4
67.5°	12176.8	11775.6	11338.9	10819.2	10246.1	9633.5	8969.5	8230.4	7521.0	6815.5	6096.2
70°	11222.3	10823.0	10433.8	9886.4	9275.8	8659.3	8030.9	7204.9	6533.0	5884.8	5244.6
72.5°	8961.6	8690.9	8305.6	7837.2	7242.4	6519.1	5995.4	5256.5	4673.5	4045.1	3549.1
75°	5600.3	5218.9	4742.6	4145.9	3691.3	3104.4	2798.2	2236.9	1905.0	1614.5	1333.9
77.5°	2863.3	2576.9	2242.9	1906.9	1584.8	1264.7	978.1	691.7	466.3	324.1	241.1
80°	2365.4	2112.5	1835.8	1529.5	1245.0	966.4	695.6	474.2	302.4	197.6	154.1
82.5°	1954.3	1741.0	1493.9	1209.4	962.4	758.9	527.6	343.8	213.4	138.4	108.7
85°	832.0	754.9	583.0	462.4	347.8	256.9	179.9	120.6	85.0	69.1	63.2
87.5°	35.5	39.5	37.6	29.6	21.7	21.7	19.8	15.8	15.8	15.8	15.8
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: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2
2.5°	324.1	322.1	320.2	320.2	318.1	316.2	304.3	294.5	282.6	274.7	266.8
5°	337.9	335.9	332.0	330.0	326.0	324.1	298.4	276.6	258.8	245.0	235.2
7.5°	351.7	349.8	343.8	337.9	335.9	332.0	290.5	262.8	239.2	223.3	213.4
10°	369.5	363.6	357.7	349.8	343.8	337.9	282.6	247.0	221.3	207.5	197.6
12.5°	395.2	385.3	375.5	365.5	357.7	347.8	278.6	233.2	207.5	191.6	181.8
15°	424.9	411.0	399.1	387.4	373.4	363.6	270.7	221.3	195.6	179.9	168.0
17.5°	452.5	436.7	418.9	401.2	387.4	373.4	262.8	209.5	183.7	168.0	156.1
20°	492.0	468.4	446.6	424.9	405.1	387.4	250.9	197.6	173.9	156.1	144.2
22.5°	535.6	507.8	480.2	450.6	424.9	401.2	241.1	187.7	164.0	146.3	132.4
25°	590.9	557.3	519.7	482.2	452.5	421.0	231.2	177.8	154.1	136.3	122.5
27.5°	667.9	620.5	579.0	531.6	486.1	450.6	223.3	169.9	144.2	126.5	112.7
30°	772.7	703.4	638.3	586.9	533.5	482.2	215.4	160.1	136.3	116.6	100.8
32.5°	889.2	808.2	733.1	656.0	588.8	529.6	207.5	152.2	126.5	106.7	92.9
35°	1033.6	930.7	829.9	741.0	660.0	580.9	199.6	144.2	118.6	96.8	83.0
37.5°	1241.0	1112.5	980.2	865.6	760.8	656.0	193.7	136.3	108.7	87.0	73.1
40°	1525.6	1359.6	1197.5	1041.4	905.0	774.6	185.8	128.4	100.8	79.1	65.2
42.5°	1833.8	1632.2	1418.9	1243.0	1055.3	891.2	177.8	120.6	92.9	71.2	57.4
45°	2217.2	1966.2	1707.4	1468.2	1239.0	1027.6	169.9	112.7	83.0	63.2	49.4
47.5°	2636.2	2316.0	2023.6	1723.2	1450.4	1197.5	160.1	106.7	75.1	55.3	43.4
50°	3067.0	2729.0	2359.4	2017.6	1693.6	1367.5	150.2	96.8	67.2	49.4	35.5
52.5°	3531.2	3132.1	2754.7	2329.8	1952.4	1590.7	140.3	88.9	61.2	43.4	29.6
55°	4122.1	3675.6	3232.9	2756.6	2302.2	1849.7	130.4	79.1	53.4	37.6	23.8
57.5°	4865.2	4335.6	3792.1	3254.6	2703.4	2189.5	122.5	69.1	45.5	31.6	19.8
60°	5566.7	4948.2	4290.1	3671.6	3049.1	2450.4	110.6	61.2	39.5	25.7	19.8
62.5°	5930.3	5224.8	4515.4	3833.6	3169.7	2543.3	98.8	51.4	33.6	21.7	17.8
65°	5841.4	5122.1	4434.4	3746.6	3096.6	2484.0	87.0	45.5	29.6	19.8	17.8
66°	5713.0	5001.5	4309.9	3655.8	3035.3	2420.8	81.0	43.4	27.7	19.8	15.8
67.5°	5432.3	4744.6	4084.6	3475.9	2867.3	2300.2	73.1	39.5	25.7	17.8	15.8
70°	4639.9	4015.4	3487.8	2946.4	2450.4	1938.6	59.3	33.6	21.7	15.8	15.8
72.5°	3070.8	2646.0	2294.3	1974.1	1650.0	1280.5	49.4	27.7	17.8	15.8	13.8
75°	1158.0	1047.4	899.2	808.2	705.5	618.5	39.5	17.8	13.8	13.8	13.8
77.5°	205.6	189.7	168.0	154.1	142.3	130.4	31.6	11.9	11.9	13.8	13.8
80°	138.4	128.4	116.6	106.7	98.8	88.9	21.7	9.8	11.9	11.9	13.8
82.5°	98.8	92.9	87.0	79.1	73.1	65.2	13.8	9.8	11.9	11.9	11.9
85°	59.3	55.3	51.4	47.4	41.5	39.5	9.8	9.8	9.8	11.9	11.9
87.5°	15.8	13.8	15.8	15.8	11.9	13.8	7.9	7.9	7.9	9.8	9.8
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: P165167

CATALOG NUMBER: VTS-E06-LED-E1-SL3-HSS

CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	310.2	310.2	310.2	310.2	310.2
2.5°	262.8	262.8	258.8	264.8	264.8
5°	227.3	227.3	225.2	227.3	227.3
7.5°	207.5	205.6	205.6	205.6	207.5
10°	189.7	187.7	187.7	187.7	187.7
12.5°	173.9	172.0	169.9	172.0	172.0
15°	160.1	156.1	156.1	156.1	156.1
17.5°	148.2	144.2	142.3	142.3	142.3
20°	136.3	130.4	130.4	130.4	130.4
22.5°	124.4	118.6	118.6	118.6	118.6
25°	112.7	106.7	106.7	106.7	106.7
27.5°	102.7	96.8	96.8	96.8	96.8
30°	91.0	87.0	87.0	88.9	87.0
32.5°	83.0	77.0	77.0	79.1	79.1
35°	73.1	69.1	69.1	69.1	69.1
37.5°	63.2	59.3	59.3	59.3	59.3
40°	55.3	51.4	49.4	51.4	51.4
42.5°	47.4	43.4	41.5	41.5	41.5
45°	41.5	35.5	33.6	35.5	35.5
47.5°	33.6	29.6	29.6	31.6	31.6
50°	25.7	25.7	27.7	31.6	31.6
52.5°	23.8	23.8	27.7	31.6	31.6
55°	21.7	23.8	27.7	29.6	31.6
57.5°	19.8	23.8	27.7	29.6	29.6
60°	19.8	21.7	25.7	29.6	29.6
62.5°	17.8	19.8	23.8	27.7	27.7
65°	17.8	19.8	23.8	27.7	27.7
66°	17.8	19.8	23.8	27.7	27.7
67.5°	17.8	19.8	23.8	27.7	27.7
70°	17.8	19.8	23.8	25.7	25.7
72.5°	15.8	17.8	21.7	25.7	25.7
75°	15.8	17.8	21.7	25.7	25.7
77.5°	15.8	17.8	21.7	25.7	25.7
80°	15.8	17.8	21.7	23.8	25.7
82.5°	13.8	17.8	19.8	23.8	23.8
85°	13.8	15.8	19.8	21.7	23.8
87.5°	11.9	13.8	15.8	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)