

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: P164963

Luminaire Tested: **VTS-F07-LED-E1-SL2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164963
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: MCGRAW-EDISON
Catalog Number: VTS-F07-LED-E1-SL2-HSS-7050
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (49) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10742.3 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

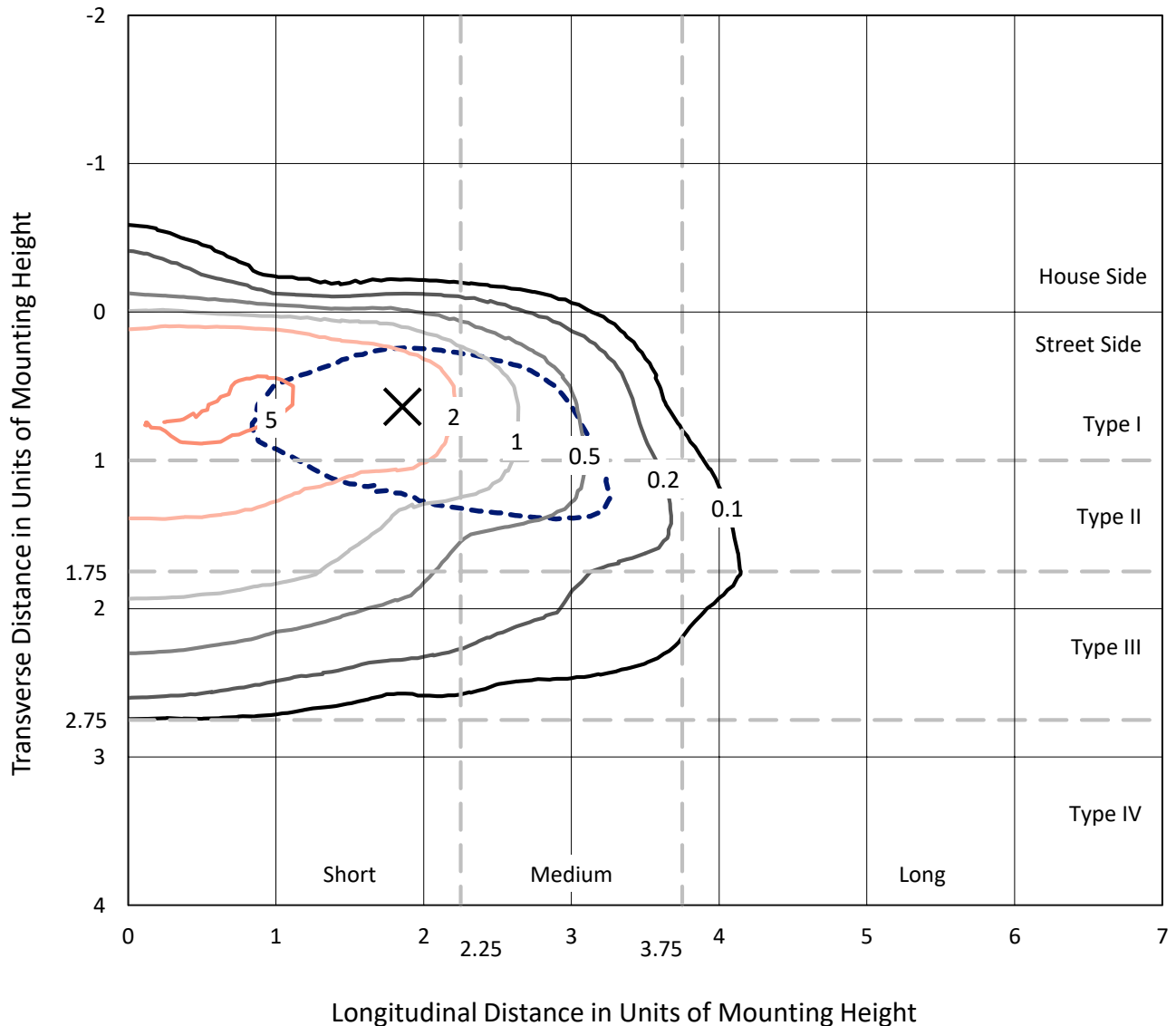
Input Watts (W): 180.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

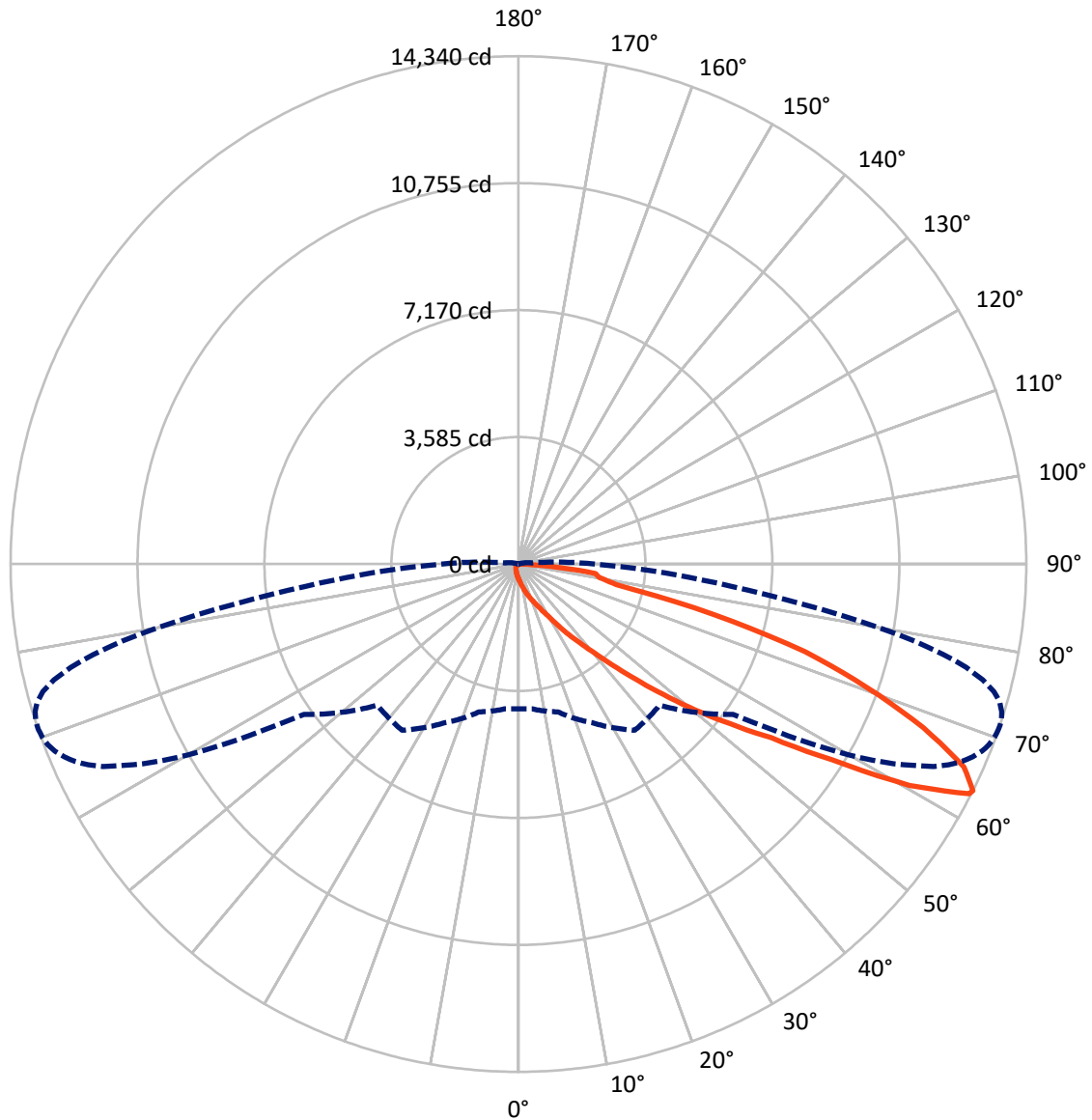


Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

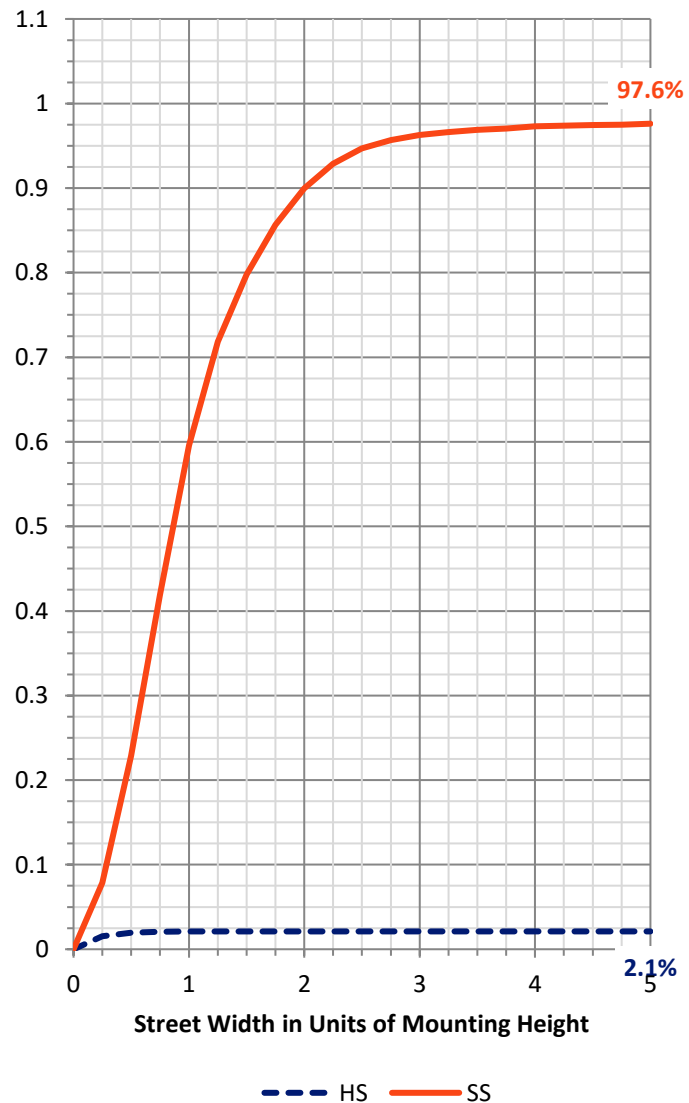
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	228.1	0.0	228.1
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	10514.2	0.0	10514.2
	% Fixture	97.9	0.0	97.9
Total	Lumens	10742.3	0.0	10742.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	0.4
10°-20°	176.6	1.6
20°-30°	358.8	3.3
30°-40°	876.5	8.2
40°-50°	1960.3	18.2
50°-60°	2756.4	25.7
60°-70°	3241.3	30.2
70°-80°	1170.4	10.9
80°-90°	156.5	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°	10742.3	100.0
0°-180°	10742.3	100.0



REPORT NUMBER: P164963

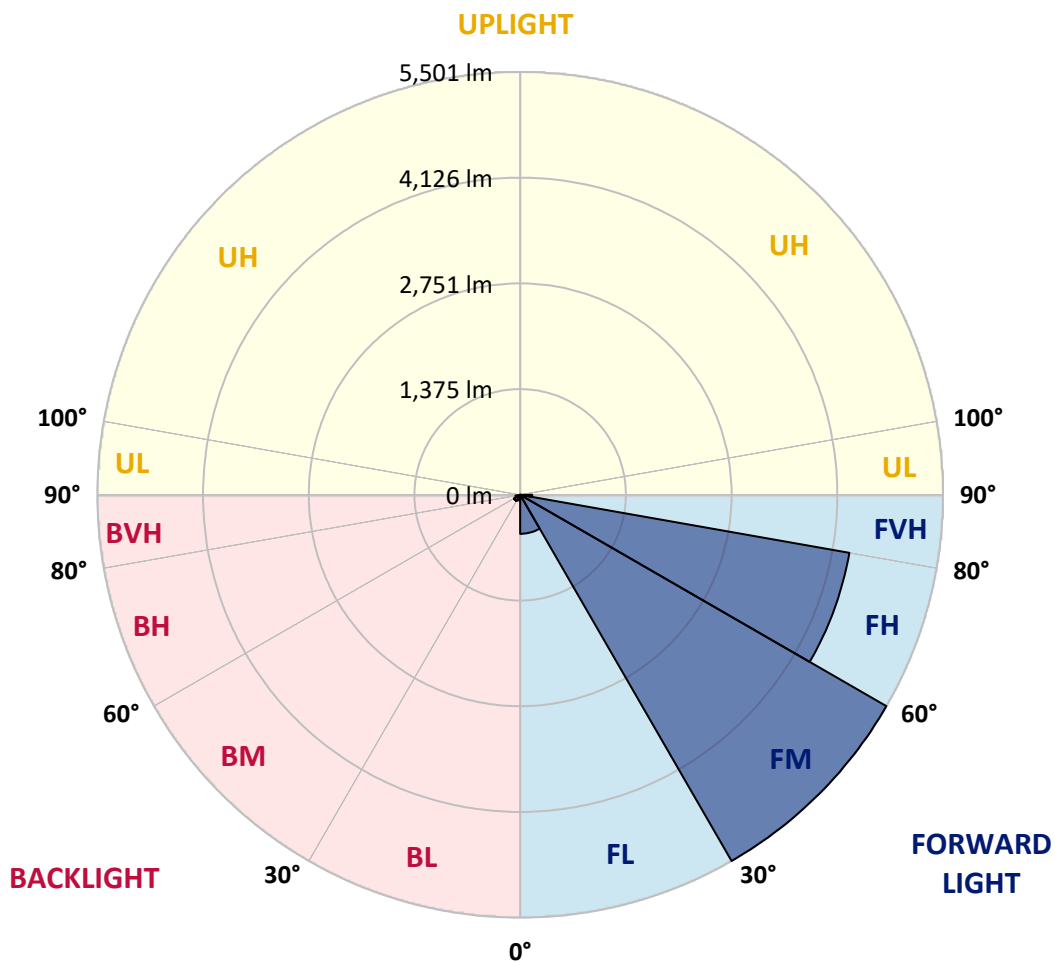
CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.6	4.7			
FM	(30°-60°)	5501.3	51.2			
FH	(60°-80°)	4349.1	40.5			G2/5000
FVH	(80°-90°)	156.2	1.5			G2/225
BL	(0°-30°)	73.3	0.7	B0/110		
BM	(30°-60°)	91.9	0.9	B0/220		
BH	(60°-80°)	62.5	0.6	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			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 II Short





REPORT NUMBER: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	539.0	544.8	540.9	531.2	519.4	503.9	490.1	490.1	488.2	482.3	484.3
5°	706.9	708.9	701.1	677.6	656.2	623.0	585.8	581.9	578.0	572.2	570.3
7.5°	871.0	878.8	871.0	845.6	802.6	751.9	693.3	687.5	675.7	675.7	667.9
10°	1039.0	1039.0	1031.1	1001.9	962.7	890.5	816.3	806.5	792.9	789.0	777.2
12.5°	1158.0	1158.0	1154.1	1138.6	1107.3	1042.9	953.0	943.3	925.7	919.8	906.2
15°	1204.9	1204.9	1206.9	1220.5	1222.6	1193.3	1099.5	1091.6	1074.1	1058.4	1052.6
17.5°	1234.2	1232.3	1232.3	1251.8	1286.9	1306.5	1245.9	1238.1	1218.6	1210.8	1191.2
20°	1298.7	1294.8	1283.0	1283.0	1316.2	1384.5	1384.5	1382.6	1361.2	1355.3	1345.5
22.5°	1394.4	1390.5	1355.3	1326.0	1341.6	1427.6	1507.6	1503.7	1495.9	1488.1	1482.3
25°	1550.6	1536.9	1476.3	1390.5	1376.8	1468.6	1601.3	1611.2	1617.0	1617.0	1620.9
27.5°	1786.9	1769.4	1661.9	1501.8	1441.2	1534.9	1704.9	1724.4	1742.0	1745.9	1763.4
30°	2114.9	2083.8	1929.5	1695.1	1556.5	1632.6	1857.2	1878.7	1904.1	1911.9	1939.2
32.5°	2653.9	2636.4	2488.0	2136.4	1839.6	1824.0	2070.1	2097.4	2130.6	2144.2	2177.4
35°	3474.2	3478.1	3357.1	3040.7	2630.6	2415.7	2450.9	2474.3	2486.0	2527.0	2544.6
37.5°	4030.8	4040.5	4067.9	3942.9	3650.0	3431.2	3155.8	3181.3	3120.7	3126.5	3128.5
40°	4335.4	4366.6	4526.8	4647.9	4624.4	4497.5	4276.9	4290.5	4177.2	4151.9	4028.8
42.5°	4538.5	4579.5	4835.4	5210.3	5401.7	5517.0	5466.2	5460.3	5372.4	5339.2	5235.7
45°	4665.5	4702.6	5024.8	5577.4	6018.8	6354.7	6493.3	6509.0	6434.7	6401.5	6315.7
47.5°	4659.5	4702.6	5048.2	5714.2	6364.5	6901.5	7292.1	7311.6	7356.5	7327.2	7333.0
50°	4401.8	4442.9	4790.5	5481.7	6262.9	7151.5	7866.2	7928.7	8001.0	8049.8	8073.3
52.5°	4089.4	4118.7	4427.2	5083.4	5829.3	7048.0	8206.0	8313.4	8420.9	8512.7	8577.1
55°	3974.1	4007.3	4249.5	4794.4	5481.7	6614.4	8364.2	8522.4	8674.8	8825.2	8948.1
57.5°	4034.7	4065.9	4239.7	4657.6	5274.8	6157.5	8409.1	8655.2	8905.2	9149.3	9391.4
60°	4257.3	4290.5	4439.0	4784.5	5220.1	5893.8	8233.4	8641.6	9057.5	9483.2	9883.6
62.5°	4169.4	4183.0	4401.8	5007.3	5610.6	5669.2	7594.8	8165.1	8799.8	9455.9	10102.3
63°	4085.4	4101.1	4323.7	4946.7	5729.8	5636.0	7397.6	7999.1	8668.9	9375.8	10078.9
65°	3704.7	3706.5	3876.5	4368.6	5597.0	5694.6	6518.8	7092.9	7862.3	8709.9	9598.5
67.5°	2765.3	2751.7	2915.7	3290.7	4394.0	5696.6	5595.0	5917.3	6452.4	7204.3	8001.0
70°	980.4	958.9	1224.4	1743.9	2737.9	4659.5	4808.0	4829.5	4978.0	5384.1	5884.1
72.5°	318.3	324.2	390.5	638.6	1261.6	3136.4	4353.0	4286.6	4247.6	4245.5	4312.0
75°	126.9	128.9	156.2	283.2	566.4	1511.6	3812.1	3849.1	3862.9	3882.3	3903.9
77.5°	60.5	66.4	87.9	158.2	281.2	748.0	2728.2	3042.6	3222.2	3361.0	3444.9
80°	21.5	25.4	48.9	97.6	130.8	343.7	1437.3	1734.2	1997.8	2337.7	2630.6
82.5°	0.0	0.0	9.7	68.3	72.2	138.6	589.8	691.3	790.9	1025.2	1316.2
85°	0.0	0.0	0.0	19.6	21.5	23.5	199.2	240.3	269.6	314.4	363.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.8	11.7	29.3	44.9
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: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	480.4	478.5	478.5	474.6	472.6	468.7	466.8	460.8	458.9	458.9	458.9
5°	568.3	560.5	556.5	546.8	540.9	539.0	529.3	525.4	519.4	521.4	511.6
7.5°	665.9	652.2	646.4	632.7	628.9	615.1	611.2	601.5	595.7	583.9	580.0
10°	773.3	755.8	746.1	724.5	718.7	708.9	697.2	685.5	675.7	664.0	658.2
12.5°	896.4	880.8	872.9	843.7	830.0	816.3	800.7	785.1	769.4	759.7	746.1
15°	1040.9	1015.5	1007.7	980.4	956.9	939.4	917.9	898.3	886.6	867.1	853.4
17.5°	1183.4	1158.0	1152.2	1111.2	1085.8	1074.1	1050.7	1025.2	1003.8	984.3	962.7
20°	1326.0	1308.4	1292.8	1253.7	1226.5	1206.9	1175.6	1150.2	1132.7	1105.4	1078.0
22.5°	1468.6	1451.0	1439.3	1398.3	1372.9	1345.5	1318.3	1290.9	1265.5	1232.3	1201.1
25°	1615.1	1603.3	1597.4	1560.4	1536.9	1511.6	1484.2	1453.0	1421.7	1384.5	1351.5
27.5°	1767.4	1771.3	1759.5	1751.7	1726.3	1708.8	1665.8	1644.4	1620.9	1576.0	1534.9
30°	1960.7	1972.4	1968.5	1974.4	1958.8	1947.0	1913.8	1886.5	1859.1	1816.2	1769.4
32.5°	2204.8	2220.5	2228.2	2249.8	2242.0	2238.0	2228.2	2189.2	2169.6	2095.5	2075.9
35°	2581.7	2573.9	2607.1	2624.6	2616.8	2613.0	2601.3	2579.8	2556.3	2503.6	2454.8
37.5°	3071.9	3079.7	3091.4	3056.3	3032.8	3030.9	2995.7	2974.3	2941.0	2882.5	2823.9
40°	3970.2	3921.4	3866.8	3718.3	3653.9	3616.8	3513.2	3484.0	3427.3	3347.2	3286.7
42.5°	5138.1	5089.2	4925.2	4677.2	4544.4	4360.8	4276.9	4173.3	4093.3	3962.5	3892.1
45°	6298.1	6157.5	6137.9	5848.9	5684.9	5442.7	5292.3	5118.5	4936.9	4765.1	4640.1
47.5°	7276.5	7245.2	7149.6	6973.7	6821.4	6618.3	6425.0	6157.5	5970.0	5725.9	5501.3
50°	8059.5	8057.6	8022.4	7920.9	7794.0	7630.0	7460.1	7233.6	7020.7	6721.8	6481.7
52.5°	8645.5	8676.7	8688.4	8657.1	8608.4	8463.8	8378.0	8188.4	8008.8	7754.9	7495.2
55°	9075.0	9190.3	9248.9	9315.3	9301.7	9250.9	9247.0	9123.9	9041.9	8840.7	8657.1
57.5°	9606.3	9795.7	9977.3	10299.6	10311.2	10424.6	10483.2	10541.8	10557.3	10477.2	10416.8
60°	10281.9	10668.6	11012.3	11686.2	11861.9	12139.2	12318.8	12514.2	12680.1	12693.8	12689.9
62.5°	10758.4	11354.1	11908.7	12908.6	13250.4	13570.7	13810.8	14000.3	14115.5	14232.6	14287.3
63°	10772.2	11424.4	12014.2	13045.3	13404.6	13709.3	13937.8	14113.6	14234.7	14304.9	14340.1
65°	10442.1	11233.0	11936.0	12963.3	13301.1	13607.8	13726.9	13842.1	13900.7	13928.0	13824.5
67.5°	8850.5	9623.9	10444.0	11592.3	11881.4	12248.5	12346.2	12404.8	12432.1	12426.3	12338.4
70°	6618.3	7266.8	8178.7	9491.0	9873.9	10233.2	10455.8	10551.5	10582.7	10572.9	10442.1
72.5°	4620.5	5001.3	5753.2	7214.0	7735.4	8196.3	8471.6	8614.2	8643.5	8584.9	8463.8
75°	3880.4	3900.0	4069.8	4868.5	5356.7	5848.9	6159.4	6249.2	6190.7	6012.9	5704.4
77.5°	3464.4	3507.4	3507.4	3626.5	3722.2	3858.9	3888.2	3669.4	3415.6	3087.5	2822.0
80°	2905.9	3056.3	3161.7	3249.6	3259.3	3232.1	3159.7	3036.7	2841.4	2591.4	2314.2
82.5°	1765.5	2062.3	2183.4	2636.4	2859.0	3009.4	2997.7	2833.6	2685.2	2425.5	2189.2
85°	445.3	480.4	521.4	677.6	759.7	927.6	1033.0	1081.9	1099.5	1009.7	914.0
87.5°	42.9	29.3	48.9	37.1	52.8	39.0	52.8	48.9	60.5	64.4	70.3
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: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	455.0	453.0	451.1	449.2	447.2	445.3	441.4	441.4	437.5	435.5	433.6
5°	505.8	501.9	500.0	496.1	490.1	486.2	480.4	472.6	466.8	464.8	460.8
7.5°	570.3	560.5	556.5	550.7	542.9	531.2	523.3	517.5	507.8	501.9	490.1
10°	642.5	632.7	621.1	609.3	597.6	583.9	574.1	566.4	550.7	542.9	529.3
12.5°	734.3	716.8	703.0	687.5	671.8	656.2	644.4	621.1	607.3	589.8	578.0
15°	828.0	812.3	796.8	777.2	753.8	728.4	716.8	695.2	677.6	650.4	634.7
17.5°	941.3	912.0	888.6	865.1	843.7	820.2	796.8	763.6	738.2	714.7	683.6
20°	1052.6	1017.5	992.0	960.8	929.6	892.5	865.1	841.6	806.5	775.3	742.1
22.5°	1171.7	1136.6	1095.5	1064.4	1021.4	992.0	955.0	915.9	880.8	839.7	798.7
25°	1316.2	1279.1	1232.3	1191.2	1142.4	1101.5	1056.5	1011.6	968.6	921.8	869.0
27.5°	1494.0	1454.9	1404.1	1355.3	1290.9	1240.1	1197.2	1136.6	1081.9	1023.3	962.7
30°	1718.5	1675.6	1613.1	1542.7	1478.4	1421.7	1361.2	1281.1	1220.5	1150.2	1072.2
32.5°	2011.5	1960.7	1876.7	1810.3	1730.2	1656.0	1572.0	1492.0	1406.1	1314.3	1224.4
35°	2380.6	2333.7	2236.0	2138.4	2050.5	1962.7	1857.2	1765.5	1644.4	1533.0	1417.8
37.5°	2763.4	2679.3	2589.5	2484.1	2374.7	2269.2	2140.3	2013.4	1874.8	1753.7	1609.2
40°	3200.8	3099.2	3025.0	2911.8	2757.5	2607.1	2488.0	2329.8	2156.0	1993.9	1824.0
42.5°	3800.4	3687.1	3554.3	3382.4	3271.1	3095.3	2941.0	2753.6	2525.0	2343.5	2138.4
45°	4493.6	4339.3	4210.4	4044.4	3909.7	3691.0	3511.3	3261.4	3032.8	2794.6	2544.6
47.5°	5284.5	5093.1	4905.6	4741.6	4526.8	4312.0	4083.5	3817.9	3525.0	3263.3	2966.4
50°	6192.6	5921.1	5661.4	5450.5	5155.6	4907.6	4659.5	4360.8	4036.6	3735.8	3398.0
52.5°	7202.2	6887.9	6544.2	6220.0	5878.2	5559.9	5261.0	4917.4	4556.1	4189.0	3812.1
55°	8420.9	8184.5	7780.4	7368.3	6911.2	6485.6	6100.8	5675.2	5235.7	4753.3	4356.9
57.5°	10328.9	10213.6	9875.7	9463.8	8868.1	8350.6	7698.3	7176.9	6540.3	5876.3	5364.6
60°	12914.5	12771.9	12582.5	12248.5	11775.9	11072.9	10354.3	9543.8	8575.2	7655.4	6782.4
62.5°	14293.2	14242.4	14088.2	13857.7	13416.4	12861.7	12137.3	11246.7	10153.1	9036.0	7922.9
63°	14334.2	14269.8	14136.9	13902.6	13514.0	12977.0	12266.1	11400.9	10330.8	9192.3	8055.6
65°	13779.6	13754.3	13619.4	13363.6	13098.1	12687.9	12137.3	11393.1	10494.8	9418.8	8288.1
67.5°	12221.2	12145.0	11938.0	11859.9	11674.4	11389.2	10969.4	10457.7	9815.3	8969.6	7993.1
70°	10336.6	10223.3	9963.6	9825.0	9598.5	9418.8	9163.0	8797.8	8401.3	7811.6	7083.2
72.5°	8338.8	8104.5	7866.2	7505.0	7188.6	6868.3	6585.1	6327.4	5891.8	5653.6	5100.9
75°	5415.3	4989.6	4581.5	4034.7	3542.5	3107.1	2683.2	2468.5	2021.3	1839.6	1579.9
77.5°	2570.0	2331.7	2011.5	1763.4	1447.0	1181.5	964.7	724.5	568.3	445.3	339.8
80°	2073.9	1872.8	1679.5	1454.9	1216.6	970.5	744.0	556.5	394.4	273.4	193.3
82.5°	1849.4	1630.6	1392.4	1238.1	1076.1	880.8	722.6	589.8	435.5	318.3	216.8
85°	718.7	605.4	466.8	380.8	296.8	244.1	220.7	152.3	119.2	93.7	72.2
87.5°	62.5	50.8	41.0	27.4	29.3	15.7	17.6	11.7	9.7	9.7	7.8
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: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	431.6	429.7	427.6	423.7	423.7	419.9	417.9	416.0	406.2	384.7	367.2
5°	453.0	449.2	445.3	439.4	435.5	429.7	425.7	419.9	398.3	357.4	322.2
7.5°	484.3	476.5	470.7	458.9	453.0	445.3	439.4	429.7	394.4	331.9	283.2
10°	521.4	507.8	498.0	484.3	472.6	462.9	453.0	439.4	390.5	304.7	248.0
12.5°	566.4	550.7	531.2	515.5	500.0	486.2	472.6	455.0	384.7	281.2	220.7
15°	611.2	587.9	574.1	552.6	531.2	511.6	492.2	476.5	386.7	255.8	197.2
17.5°	662.0	638.6	609.3	585.8	562.5	537.1	513.6	482.3	376.9	236.4	179.7
20°	710.8	677.6	650.4	621.1	587.9	556.5	527.3	500.0	369.1	216.8	164.0
22.5°	763.6	724.5	689.4	652.2	611.2	576.1	540.9	505.8	355.4	199.2	150.4
25°	828.0	783.1	732.3	687.5	644.4	601.5	556.5	513.6	341.8	183.6	140.6
27.5°	906.2	847.6	796.8	740.1	679.6	625.0	576.1	529.3	328.1	171.8	130.8
30°	1005.8	937.3	865.1	792.9	728.4	665.9	597.6	539.0	314.4	160.1	121.1
32.5°	1138.6	1052.6	964.7	880.8	794.8	714.7	642.5	566.4	306.6	150.4	111.4
35°	1314.3	1203.0	1095.5	990.1	886.6	789.0	695.2	609.3	306.6	138.6	99.6
37.5°	1480.2	1351.5	1214.7	1083.8	960.8	847.6	736.2	632.7	291.0	128.9	89.9
40°	1659.9	1505.6	1345.5	1191.2	1042.9	902.2	775.3	656.2	277.3	117.2	80.0
42.5°	1935.3	1740.1	1531.1	1351.5	1173.7	999.8	841.6	701.1	259.7	105.4	70.3
45°	2296.6	2048.5	1802.6	1583.8	1357.3	1144.4	956.9	783.1	255.8	95.7	60.5
47.5°	2683.2	2390.3	2101.3	1822.0	1556.5	1308.4	1083.8	874.8	255.8	86.0	52.8
50°	3067.9	2700.9	2392.3	2068.1	1769.4	1476.3	1208.8	970.5	257.8	78.2	42.9
52.5°	3415.6	3023.1	2677.4	2302.4	1972.4	1632.6	1341.6	1064.4	253.9	68.3	35.1
55°	3898.0	3437.1	3036.7	2622.7	2236.0	1853.3	1523.3	1204.9	255.8	60.5	29.3
57.5°	4786.6	4245.5	3763.2	3220.3	2775.0	2281.0	1880.6	1494.0	279.3	50.8	21.5
60°	6061.8	5358.8	4681.1	4019.0	3452.8	2864.9	2345.4	1890.5	328.1	41.0	15.7
62.5°	6919.0	5999.3	5190.8	4460.4	3802.3	3187.1	2620.7	2103.2	361.2	33.2	9.7
63°	7006.9	6055.9	5243.5	4489.7	3817.9	3202.8	2632.5	2118.9	363.2	31.2	9.7
65°	7173.0	6153.5	5272.8	4495.5	3802.3	3181.3	2624.6	2117.0	367.2	25.4	7.8
67.5°	6983.6	6003.2	5103.0	4327.6	3665.5	3054.3	2527.0	2038.8	365.1	17.6	5.8
70°	6245.3	5433.0	4642.0	3919.4	3317.9	2765.3	2300.5	1859.1	335.8	11.7	3.9
72.5°	4585.4	4032.7	3419.6	2898.1	2499.7	2075.9	1771.3	1396.3	259.7	7.8	1.9
75°	1359.2	1238.1	1040.9	917.9	810.4	669.8	595.7	464.8	132.8	3.9	0.0
77.5°	271.5	246.1	220.7	201.1	189.4	162.1	154.3	126.9	54.7	1.9	0.0
80°	142.5	117.2	99.6	87.9	76.1	62.5	52.8	42.9	9.7	0.0	0.0
82.5°	136.7	91.8	66.4	54.7	46.8	37.1	29.3	21.5	5.8	0.0	0.0
85°	50.8	39.0	29.3	23.5	19.6	17.6	13.6	11.7	0.0	0.0	0.0
87.5°	7.8	5.8	5.8	3.9	3.9	1.9	1.9	1.9	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: P164963

CATALOG NUMBER: VTS-F07-LED-E1-SL2-HSS-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	412.1	412.1	412.1	412.1	412.1	412.1	412.1
2.5°	349.6	334.0	326.1	316.4	316.4	314.4	318.3
5°	291.0	269.6	253.9	242.2	244.1	238.2	240.3
7.5°	246.1	224.6	210.9	203.1	201.1	199.2	199.2
10°	212.9	193.3	181.6	175.8	173.9	173.9	173.9
12.5°	189.4	169.9	160.1	156.2	156.2	154.3	154.3
15°	169.9	154.3	144.6	140.6	140.6	138.6	140.6
17.5°	154.3	138.6	130.8	126.9	126.9	125.0	125.0
20°	140.6	126.9	119.2	113.3	113.3	111.4	113.3
22.5°	128.9	115.3	105.4	101.5	99.6	97.6	99.6
25°	117.2	103.5	93.7	87.9	86.0	86.0	84.0
27.5°	107.4	93.7	82.1	76.1	74.2	74.2	72.2
30°	97.6	82.1	70.3	64.4	62.5	62.5	62.5
32.5°	87.9	70.3	60.5	54.7	52.8	52.8	52.8
35°	78.2	60.5	50.8	44.9	42.9	42.9	42.9
37.5°	66.4	50.8	39.0	35.1	33.2	31.2	31.2
40°	56.7	39.0	29.3	25.4	21.5	21.5	21.5
42.5°	46.8	31.2	21.5	15.7	13.6	11.7	13.6
45°	39.0	23.5	13.6	7.8	5.8	5.8	5.8
47.5°	31.2	15.7	5.8	1.9	1.9	1.9	1.9
50°	23.5	9.7	1.9	0.0	0.0	1.9	1.9
52.5°	17.6	5.8	0.0	0.0	0.0	0.0	0.0
55°	9.7	1.9	0.0	0.0	0.0	0.0	0.0
57.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0
60°	3.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.9	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)