

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: P164956

Luminaire Tested: **VTS-E07-LED-E1-SL2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P164956
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-E07-LED-E1-SL2-HSS-7030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (147) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11582.8 lumens
Efficiency: N/A
Efficacy: 67.1 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

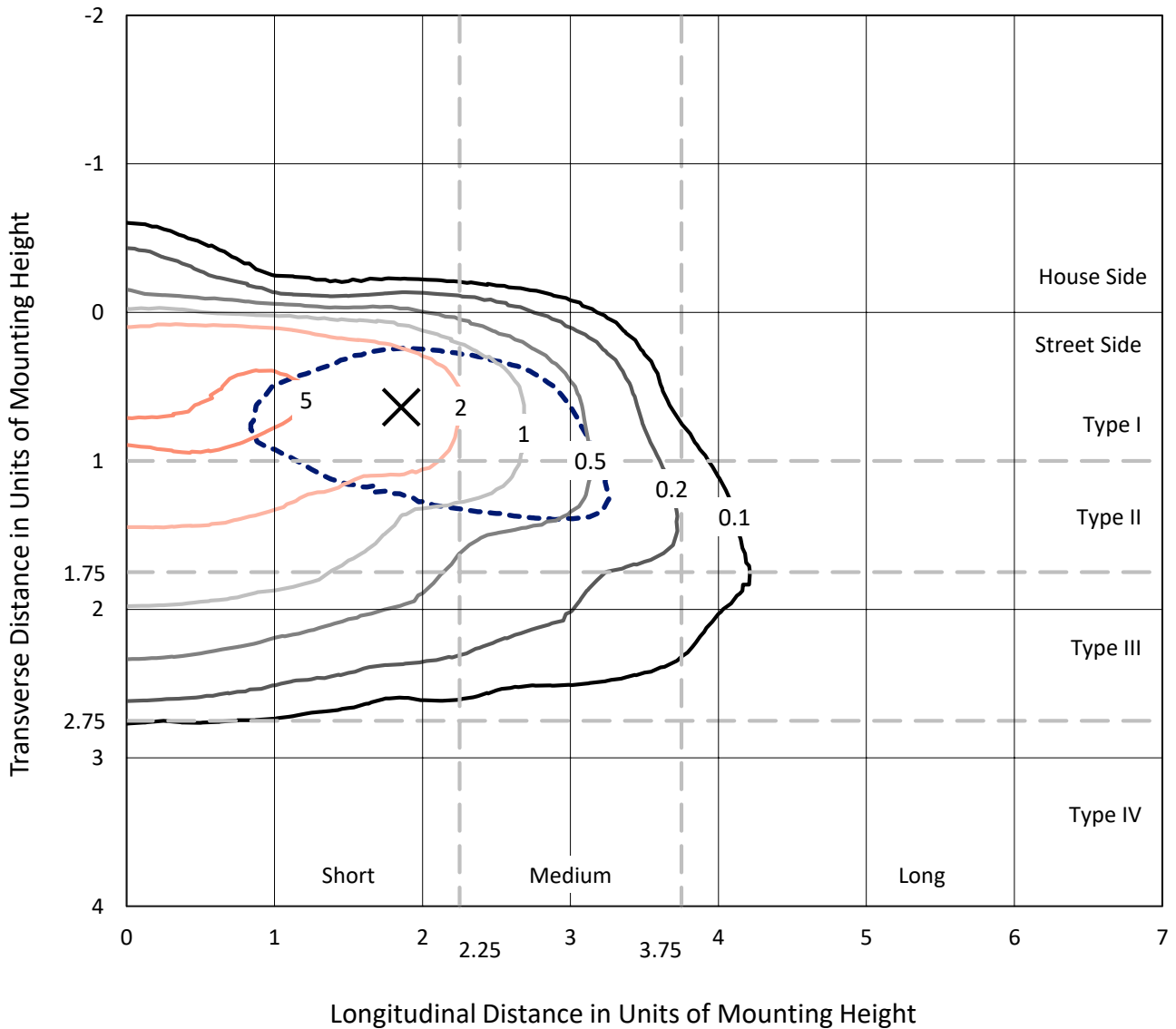
Input Watts (W): 172.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

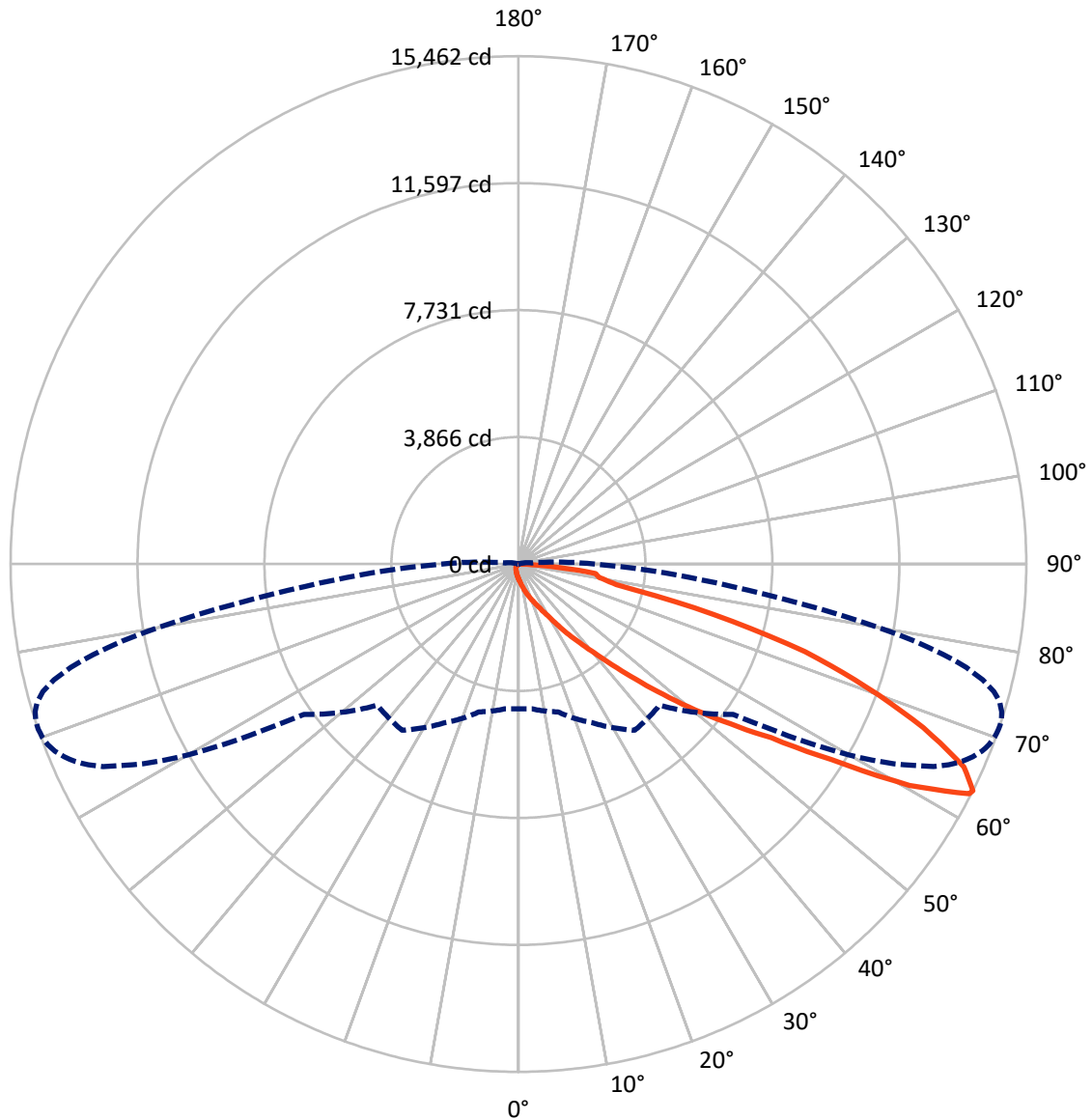
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P164956
CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	245.9	0.0	245.9
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	11336.9	0.0	11336.9
	% Fixture	97.9	0.0	97.9
Total	Lumens	11582.8	0.0	11582.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	0.4
10°-20°	190.5	1.6
20°-30°	386.8	3.3
30°-40°	945.1	8.2
40°-50°	2113.6	18.2
50°-60°	2972.0	25.7
60°-70°	3494.9	30.2
70°-80°	1262.0	10.9
80°-90°	168.8	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°	11582.8	100.0
0°-180°	11582.8	100.0



REPORT NUMBER: P164956

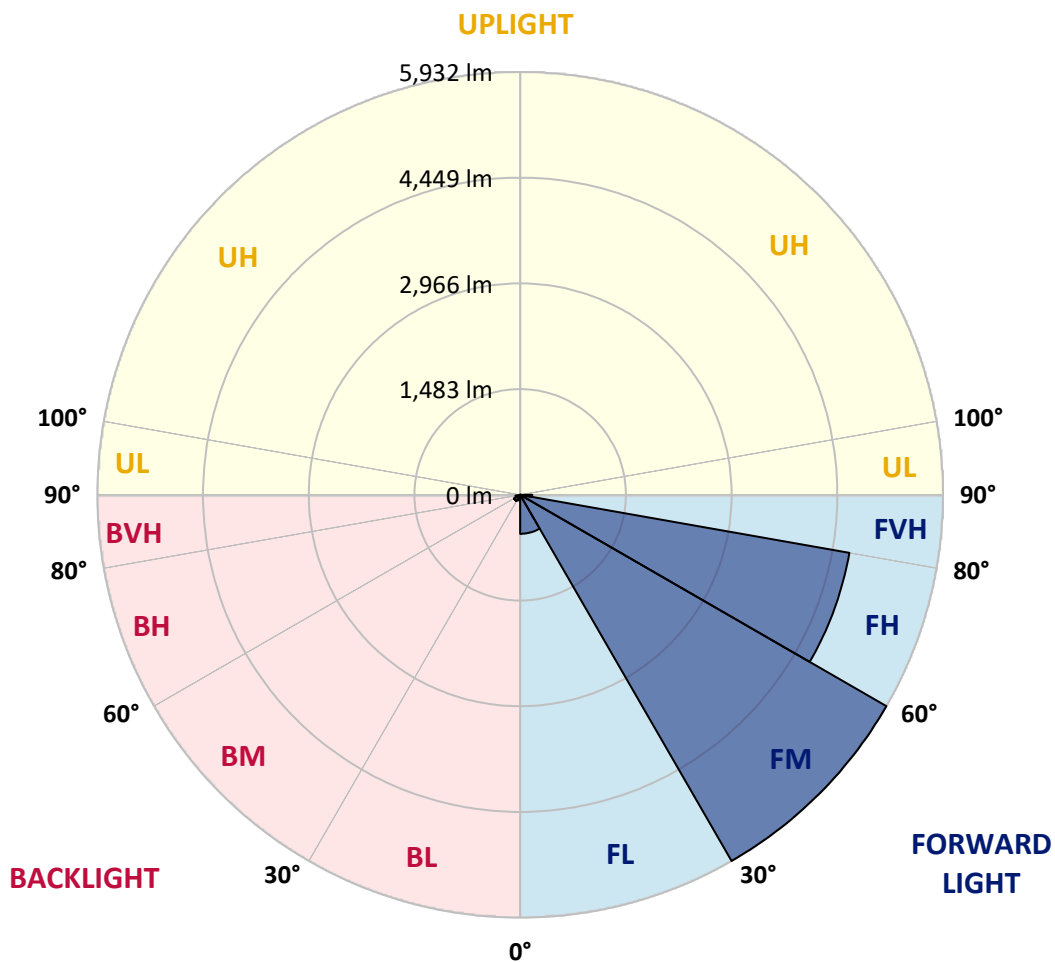
CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	547.3	4.7			
FM	(30°-60°)	5931.7	51.2			
FH	(60°-80°)	4689.4	40.5			G2/5000
FVH	(80°-90°)	168.4	1.5			G2/225
BL	(0°-30°)	79.1	0.7	B0/110		
BM	(30°-60°)	99.1	0.9	B0/220		
BH	(60°-80°)	67.4	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	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: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	581.2	587.4	583.2	572.7	560.1	543.3	528.5	528.5	526.4	520.0	522.2
5°	762.2	764.4	756.0	730.6	707.5	671.7	631.7	627.5	623.2	617.0	614.9
7.5°	939.2	947.5	939.2	911.7	865.4	810.7	747.5	741.3	728.6	728.6	720.2
10°	1120.3	1120.3	1111.8	1080.2	1038.0	960.2	880.1	869.6	854.9	850.7	838.1
12.5°	1248.6	1248.6	1244.4	1227.7	1193.9	1124.5	1027.6	1017.1	998.1	991.8	977.0
15°	1299.1	1299.1	1301.3	1316.0	1318.2	1286.6	1185.5	1177.0	1158.1	1141.2	1135.0
17.5°	1330.7	1328.7	1328.7	1349.8	1387.6	1408.7	1343.4	1335.0	1314.0	1305.5	1284.4
20°	1400.3	1396.1	1383.4	1383.4	1419.2	1492.9	1492.9	1490.8	1467.7	1461.3	1450.8
22.5°	1503.5	1499.3	1461.3	1429.7	1446.6	1539.3	1625.6	1621.4	1612.9	1604.5	1598.2
25°	1671.9	1657.2	1591.8	1499.3	1484.6	1583.5	1726.6	1737.2	1743.5	1743.5	1747.7
27.5°	1926.7	1907.8	1792.0	1619.3	1554.0	1655.0	1838.2	1859.3	1878.3	1882.5	1901.4
30°	2280.4	2246.8	2080.4	1827.8	1678.3	1760.4	2002.6	2025.7	2053.1	2061.5	2090.9
32.5°	2861.6	2842.7	2682.7	2303.6	1983.5	1966.8	2232.1	2261.5	2297.3	2312.0	2347.8
35°	3746.1	3750.3	3619.7	3278.6	2836.4	2604.7	2642.7	2667.9	2680.5	2724.8	2743.7
37.5°	4346.1	4356.6	4386.2	4251.4	3935.6	3699.6	3402.7	3430.2	3364.9	3371.1	3373.3
40°	4674.6	4708.3	4881.0	5011.6	4986.3	4849.4	4611.5	4626.2	4504.1	4476.7	4344.0
42.5°	4893.5	4937.8	5213.7	5617.9	5824.3	5948.6	5893.9	5887.5	5792.7	5756.9	5645.3
45°	5030.5	5070.5	5417.9	6013.8	6489.7	6851.9	7001.3	7018.2	6938.2	6902.4	6809.8
47.5°	5024.1	5070.5	5443.1	6161.2	6862.5	7441.5	7862.7	7883.6	7932.1	7900.5	7906.8
50°	4746.2	4790.5	5165.3	5910.6	6752.9	7711.0	8481.7	8549.1	8626.9	8679.6	8704.9
52.5°	4409.3	4440.9	4773.6	5481.1	6285.4	7599.4	8848.0	8963.9	9079.7	9178.7	9248.1
55°	4285.0	4320.8	4581.9	5169.5	5910.6	7131.9	9018.6	9189.2	9353.5	9515.6	9648.2
57.5°	4350.4	4384.0	4571.4	5022.1	5687.5	6639.2	9067.1	9332.4	9601.9	9865.1	10126.2
60°	4590.4	4626.2	4786.3	5158.9	5628.5	6355.0	8877.6	9317.7	9766.1	10225.2	10656.9
62.5°	4495.6	4510.3	4746.2	5399.0	6049.6	6112.8	8189.0	8803.9	9488.3	10195.8	10892.7
63°	4405.1	4422.0	4662.0	5333.7	6178.1	6077.0	7976.3	8624.9	9347.1	10109.3	10867.5
65°	3994.5	3996.5	4179.8	4710.4	6034.9	6140.1	7028.8	7647.8	8477.5	9391.3	10349.5
67.5°	2981.7	2966.9	3143.8	3548.1	4737.8	6142.3	6032.7	6380.3	6957.2	7767.9	8626.9
70°	1057.1	1033.9	1320.2	1880.3	2952.1	5024.1	5184.2	5207.3	5367.4	5805.4	6344.5
72.5°	343.2	349.6	421.1	688.6	1360.3	3381.8	4693.6	4622.0	4579.9	4577.7	4649.3
75°	136.8	139.0	168.4	305.4	610.7	1629.8	4110.4	4150.2	4165.1	4186.0	4209.3
77.5°	65.2	71.6	94.8	170.6	303.2	806.5	2941.6	3280.6	3474.3	3623.9	3714.5
80°	23.1	27.4	52.7	105.2	141.0	370.6	1549.8	1869.8	2154.1	2520.6	2836.4
82.5°	0.0	0.0	10.5	73.7	77.9	149.5	635.9	745.3	852.8	1105.4	1419.2
85°	0.0	0.0	0.0	21.1	23.1	25.3	214.8	259.1	290.6	339.0	391.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.3	12.7	31.6	48.5
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: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	518.0	516.0	516.0	511.7	509.6	505.3	503.3	496.9	494.9	494.9	494.9
5°	612.7	604.3	600.1	589.6	583.2	581.2	570.7	566.5	560.1	562.2	551.6
7.5°	718.0	703.3	697.0	682.2	678.1	663.3	659.0	648.6	642.3	629.6	625.4
10°	833.8	814.9	804.4	781.2	774.9	764.4	751.7	739.1	728.6	715.9	709.7
12.5°	966.6	949.7	941.2	909.7	895.0	880.1	863.4	846.5	829.6	819.1	804.4
15°	1122.3	1094.9	1086.5	1057.1	1031.8	1012.9	989.7	968.6	955.9	935.0	920.1
17.5°	1276.0	1248.6	1242.4	1198.1	1170.8	1158.1	1132.9	1105.4	1082.3	1061.3	1038.0
20°	1429.7	1410.8	1393.9	1351.8	1322.4	1301.3	1267.6	1240.2	1221.3	1191.9	1162.3
22.5°	1583.5	1564.5	1551.9	1507.7	1480.3	1450.8	1421.4	1391.9	1364.5	1328.7	1295.1
25°	1741.4	1728.8	1722.4	1682.5	1657.2	1629.8	1600.3	1566.7	1532.9	1492.9	1457.2
27.5°	1905.6	1909.9	1897.2	1888.8	1861.4	1842.5	1796.2	1773.0	1747.7	1699.3	1655.0
30°	2114.1	2126.7	2122.5	2128.9	2112.0	2099.4	2063.6	2034.1	2004.6	1958.3	1907.8
32.5°	2377.3	2394.2	2402.5	2425.8	2417.4	2413.1	2402.5	2360.5	2339.4	2259.4	2238.3
35°	2783.7	2775.3	2811.1	2830.0	2821.6	2817.5	2804.8	2781.7	2756.3	2699.4	2646.9
37.5°	3312.2	3320.6	3333.3	3295.4	3270.1	3268.1	3230.1	3207.0	3171.2	3108.0	3044.8
40°	4280.8	4228.2	4169.3	4009.2	3939.8	3899.8	3788.1	3756.5	3695.4	3609.1	3543.9
42.5°	5540.1	5487.4	5310.5	5043.2	4899.9	4702.0	4611.5	4499.8	4413.5	4272.5	4196.7
45°	6790.9	6639.2	6618.1	6306.5	6129.7	5868.5	5706.4	5519.0	5323.2	5137.9	5003.1
47.5°	7845.8	7812.0	7709.0	7519.3	7355.2	7136.1	6927.7	6639.2	6437.1	6173.9	5931.7
50°	8690.1	8688.1	8650.1	8540.6	8403.8	8227.0	8043.7	7799.5	7570.0	7247.7	6988.8
52.5°	9321.9	9355.5	9368.2	9334.4	9281.9	9126.0	9033.4	8829.1	8635.4	8361.6	8081.6
55°	9785.1	9909.3	9972.5	10044.1	10029.4	9974.7	9970.5	9837.7	9749.4	9532.4	9334.4
57.5°	10357.9	10562.1	10757.9	11105.4	11118.0	11240.2	11303.4	11366.5	11383.3	11297.0	11231.8
60°	11086.4	11503.4	11873.9	12600.5	12790.0	13088.9	13282.7	13493.3	13672.1	13687.0	13682.8
62.5°	11600.2	12242.4	12840.5	13918.5	14287.1	14632.4	14891.4	15095.7	15219.9	15346.2	15405.2
63°	11615.0	12318.3	12954.2	14066.0	14453.4	14781.9	15028.3	15217.8	15348.4	15424.1	15462.1
65°	11259.1	12111.9	12869.9	13977.5	14341.8	14672.5	14800.8	14925.1	14988.3	15017.7	14906.1
67.5°	9543.0	10376.8	11261.2	12499.3	12810.9	13206.8	13312.2	13375.4	13404.8	13398.5	13303.8
70°	7136.1	7835.3	8818.6	10233.6	10646.4	11033.8	11273.8	11377.0	11410.7	11400.2	11259.1
72.5°	4982.0	5392.6	6203.3	7778.4	8340.6	8837.5	9134.5	9288.2	9319.7	9256.6	9126.0
75°	4184.0	4205.1	4388.2	5249.4	5775.8	6306.5	6641.3	6738.2	6675.0	6483.3	6150.8
77.5°	3735.4	3781.9	3781.9	3910.2	4013.4	4160.9	4192.4	3956.5	3682.9	3329.1	3042.8
80°	3133.3	3295.4	3409.1	3503.9	3514.4	3484.9	3406.9	3274.3	3063.7	2794.2	2495.2
82.5°	1903.6	2223.6	2354.2	2842.7	3082.7	3244.8	3232.3	3055.3	2895.3	2615.3	2360.5
85°	480.1	518.0	562.2	730.6	819.1	1000.2	1113.9	1166.5	1185.5	1088.7	985.5
87.5°	46.3	31.6	52.7	40.0	56.9	42.1	56.9	52.7	65.2	69.4	75.8
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: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	490.6	488.5	486.4	484.4	482.2	480.1	475.9	475.9	471.7	469.5	467.5
5°	545.4	541.1	539.1	534.9	528.5	524.3	518.0	509.6	503.3	501.1	496.9
7.5°	614.9	604.3	600.1	593.8	585.4	572.7	564.3	558.0	547.5	541.1	528.5
10°	692.8	682.2	669.7	657.0	644.3	629.6	619.0	610.7	593.8	585.4	570.7
12.5°	791.8	772.8	758.0	741.3	724.4	707.5	694.8	669.7	654.8	635.9	623.2
15°	892.8	875.9	859.2	838.1	812.7	785.4	772.8	749.6	730.6	701.2	684.4
17.5°	1014.9	983.3	958.1	932.8	909.7	884.3	859.2	823.3	796.0	770.7	737.0
20°	1135.0	1097.1	1069.6	1036.0	1002.4	962.3	932.8	907.5	869.6	836.0	800.2
22.5°	1263.3	1225.5	1181.3	1147.6	1101.3	1069.6	1029.7	987.5	949.7	905.4	861.2
25°	1419.2	1379.2	1328.7	1284.4	1231.8	1187.6	1139.2	1090.7	1044.4	993.9	937.0
27.5°	1610.9	1568.7	1514.0	1461.3	1391.9	1337.1	1290.8	1225.5	1166.5	1103.4	1038.0
30°	1853.0	1806.7	1739.3	1663.4	1594.0	1532.9	1467.7	1381.4	1316.0	1240.2	1156.1
32.5°	2168.9	2114.1	2023.5	1951.9	1865.6	1785.6	1695.0	1608.7	1516.1	1417.2	1320.2
35°	2566.8	2516.3	2411.0	2305.7	2211.0	2116.2	2002.6	1903.6	1773.0	1653.0	1528.7
37.5°	2979.6	2888.9	2792.1	2678.5	2560.4	2446.8	2307.8	2171.0	2021.5	1890.9	1735.1
40°	3451.2	3341.7	3261.7	3139.6	2973.2	2811.1	2682.7	2512.1	2324.7	2149.9	1966.8
42.5°	4097.7	3975.6	3832.4	3647.1	3527.0	3337.5	3171.2	2969.0	2722.6	2526.8	2305.7
45°	4845.2	4678.9	4539.9	4360.8	4215.6	3979.8	3786.1	3516.5	3270.1	3013.2	2743.7
47.5°	5698.0	5491.6	5289.4	5112.6	4881.0	4649.3	4403.0	4116.6	3800.8	3518.6	3198.5
50°	6677.1	6384.4	6104.3	5877.0	5559.0	5291.6	5024.1	4702.0	4352.4	4028.1	3663.8
52.5°	7765.7	7426.8	7056.2	6706.6	6338.1	5994.9	5672.7	5302.1	4912.6	4516.7	4110.4
55°	9079.7	8824.9	8389.1	7944.8	7452.0	6993.0	6578.1	6119.2	5645.3	5125.2	4697.8
57.5°	11137.0	11012.7	10648.4	10204.2	9561.9	9003.9	8300.6	7738.4	7052.0	6336.0	5784.3
60°	13924.9	13771.1	13566.9	13206.8	12697.3	11939.3	11164.4	10290.5	9246.1	8254.3	7313.1
62.5°	15411.5	15356.7	15190.5	14941.9	14466.1	13868.0	13086.9	12126.6	10947.5	9743.0	8542.8
63°	15455.7	15386.2	15243.0	14990.3	14571.3	13992.3	13225.8	12292.9	11139.1	9911.5	8685.9
65°	14857.7	14830.4	14685.0	14409.2	14122.9	13680.6	13086.9	12284.5	11315.9	10155.7	8936.5
67.5°	13177.4	13095.2	12872.1	12787.8	12587.8	12280.3	11827.6	11275.9	10583.2	9671.4	8618.5
70°	11145.3	11023.2	10743.2	10593.7	10349.5	10155.7	9879.9	9486.1	9058.6	8422.7	7637.4
72.5°	8991.2	8738.6	8481.7	8092.2	7751.0	7405.7	7100.3	6822.5	6352.8	6095.9	5500.0
75°	5839.0	5380.0	4940.0	4350.4	3819.7	3350.2	2893.2	2661.6	2179.4	1983.5	1703.5
77.5°	2771.1	2514.2	2168.9	1901.4	1560.3	1274.0	1040.2	781.2	612.7	480.1	366.3
80°	2236.2	2019.3	1810.9	1568.7	1311.8	1046.5	802.3	600.1	425.3	294.7	208.4
82.5°	1994.1	1758.2	1501.3	1335.0	1160.3	949.7	779.1	635.9	469.5	343.2	233.7
85°	774.9	652.8	503.3	410.6	320.1	263.2	238.0	164.2	128.5	101.0	77.9
87.5°	67.4	54.7	44.2	29.5	31.6	16.9	18.9	12.7	10.5	10.5	8.4
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: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	465.3	463.3	461.1	456.9	456.9	452.8	450.6	448.6	438.0	414.8	395.9
5°	488.5	484.4	480.1	473.8	469.5	463.3	459.0	452.8	429.5	385.4	347.4
7.5°	522.2	513.8	507.5	494.9	488.5	480.1	473.8	463.3	425.3	357.9	305.4
10°	562.2	547.5	536.9	522.2	509.6	499.1	488.5	473.8	421.1	328.5	267.4
12.5°	610.7	593.8	572.7	555.8	539.1	524.3	509.6	490.6	414.8	303.2	238.0
15°	659.0	633.8	619.0	595.9	572.7	551.6	530.7	513.8	417.0	275.8	212.6
17.5°	713.8	688.6	657.0	631.7	606.5	579.1	553.8	520.0	406.4	254.8	193.7
20°	766.4	730.6	701.2	669.7	633.8	600.1	568.5	539.1	397.9	233.7	176.8
22.5°	823.3	781.2	743.3	703.3	659.0	621.2	583.2	545.4	383.2	214.8	162.1
25°	892.8	844.3	789.6	741.3	694.8	648.6	600.1	553.8	368.5	197.9	151.7
27.5°	977.0	913.9	859.2	798.0	732.8	673.9	621.2	570.7	353.8	185.3	141.0
30°	1084.5	1010.7	932.8	854.9	785.4	718.0	644.3	581.2	339.0	172.6	130.6
32.5°	1227.7	1135.0	1040.2	949.7	857.0	770.7	692.8	610.7	330.5	162.1	120.1
35°	1417.2	1297.1	1181.3	1067.6	955.9	850.7	749.6	657.0	330.5	149.5	107.4
37.5°	1596.1	1457.2	1309.8	1168.6	1036.0	913.9	793.8	682.2	313.8	139.0	96.9
40°	1789.8	1623.4	1450.8	1284.4	1124.5	972.8	836.0	707.5	299.0	126.3	86.3
42.5°	2086.7	1876.2	1650.9	1457.2	1265.5	1078.1	907.5	756.0	280.0	113.7	75.8
45°	2476.3	2208.8	1943.6	1707.7	1463.5	1233.9	1031.8	844.3	275.8	103.2	65.2
47.5°	2893.2	2577.3	2265.7	1964.6	1678.3	1410.8	1168.6	943.3	275.8	92.7	56.9
50°	3308.0	2912.2	2579.5	2229.9	1907.8	1591.8	1303.4	1046.5	278.0	84.3	46.3
52.5°	3682.9	3259.6	2886.9	2482.6	2126.7	1760.4	1446.6	1147.6	273.8	73.7	37.8
55°	4202.9	3706.0	3274.3	2828.0	2411.0	1998.3	1642.5	1299.1	275.8	65.2	31.6
57.5°	5161.1	4577.7	4057.7	3472.3	2992.1	2459.4	2027.7	1610.9	301.1	54.7	23.1
60°	6536.0	5778.0	5047.4	4333.5	3722.9	3089.1	2528.9	2038.4	353.8	44.2	16.9
62.5°	7460.4	6468.6	5597.0	4809.4	4099.7	3436.5	2825.8	2267.8	389.5	35.8	10.5
63°	7555.1	6529.8	5653.7	4841.0	4116.6	3453.4	2838.4	2284.6	391.7	33.6	10.5
65°	7734.2	6635.0	5685.3	4847.3	4099.7	3430.2	2830.0	2282.6	395.9	27.4	8.4
67.5°	7530.0	6472.9	5502.2	4666.2	3952.3	3293.3	2724.8	2198.3	393.7	18.9	6.3
70°	6734.0	5858.1	5005.2	4226.1	3577.5	2981.7	2480.5	2004.6	362.1	12.7	4.2
72.5°	4944.2	4348.2	3687.1	3124.9	2695.2	2238.3	1909.9	1505.5	280.0	8.4	2.0
75°	1465.5	1335.0	1122.3	989.7	873.9	722.2	642.3	501.1	143.2	4.2	0.0
77.5°	292.7	265.3	238.0	216.9	204.2	174.8	166.4	136.8	58.9	2.0	0.0
80°	153.7	126.3	107.4	94.8	82.1	67.4	56.9	46.3	10.5	0.0	0.0
82.5°	147.4	99.0	71.6	58.9	50.5	40.0	31.6	23.1	6.3	0.0	0.0
85°	54.7	42.1	31.6	25.3	21.1	18.9	14.7	12.7	0.0	0.0	0.0
87.5°	8.4	6.3	6.3	4.2	4.2	2.0	2.0	2.0	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: P164956

CATALOG NUMBER: VTS-E07-LED-E1-SL2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	444.3	444.3	444.3	444.3	444.3	444.3	444.3
2.5°	377.0	360.1	351.6	341.2	341.2	339.0	343.2
5°	313.8	290.6	273.8	261.1	263.2	256.9	259.1
7.5°	265.3	242.2	227.4	219.0	216.9	214.8	214.8
10°	229.5	208.4	195.8	189.5	187.5	187.5	187.5
12.5°	204.2	183.2	172.6	168.4	168.4	166.4	166.4
15°	183.2	166.4	155.9	151.7	151.7	149.5	151.7
17.5°	166.4	149.5	141.0	136.8	136.8	134.8	134.8
20°	151.7	136.8	128.5	122.1	122.1	120.1	122.1
22.5°	139.0	124.3	113.7	109.5	107.4	105.2	107.4
25°	126.3	111.6	101.0	94.8	92.7	92.7	90.5
27.5°	115.8	101.0	88.5	82.1	80.0	80.0	77.9
30°	105.2	88.5	75.8	69.4	67.4	67.4	67.4
32.5°	94.8	75.8	65.2	58.9	56.9	56.9	56.9
35°	84.3	65.2	54.7	48.5	46.3	46.3	46.3
37.5°	71.6	54.7	42.1	37.8	35.8	33.6	33.6
40°	61.1	42.1	31.6	27.4	23.1	23.1	23.1
42.5°	50.5	33.6	23.1	16.9	14.7	12.7	14.7
45°	42.1	25.3	14.7	8.4	6.3	6.3	6.3
47.5°	33.6	16.9	6.3	2.0	2.0	2.0	2.0
50°	25.3	10.5	2.0	0.0	0.0	2.0	2.0
52.5°	18.9	6.3	0.0	0.0	0.0	0.0	0.0
55°	10.5	2.0	0.0	0.0	0.0	0.0	0.0
57.5°	6.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	4.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.0	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.0	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)