

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: P159188

Luminaire Tested: **VTS-E02-LED-E1-T2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159188
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: MCGRAW-EDISON
Catalog Number: VTS-E02-LED-E1-T2-8030
Description: VENTUS LED SITE LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5210.3 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

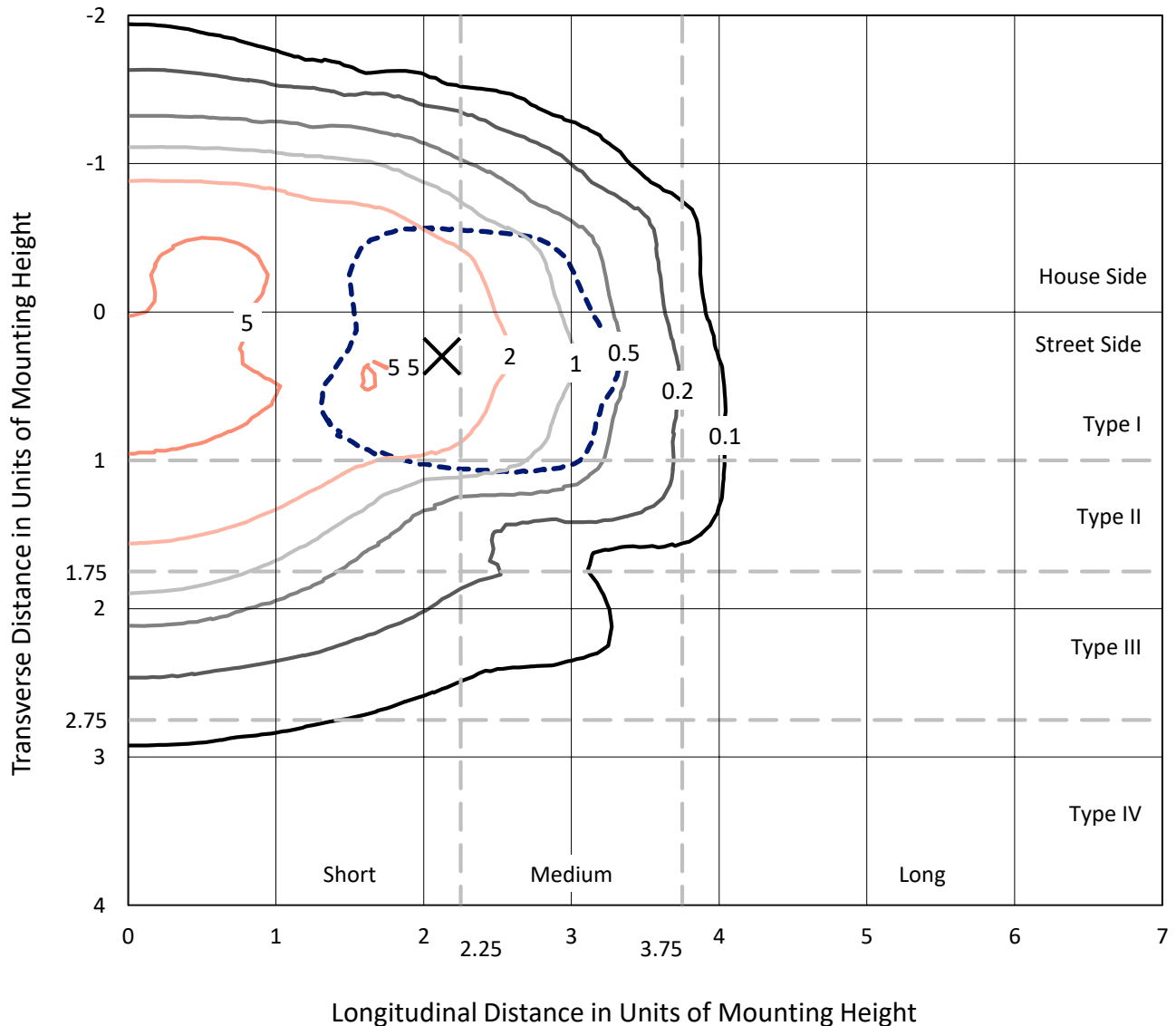
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

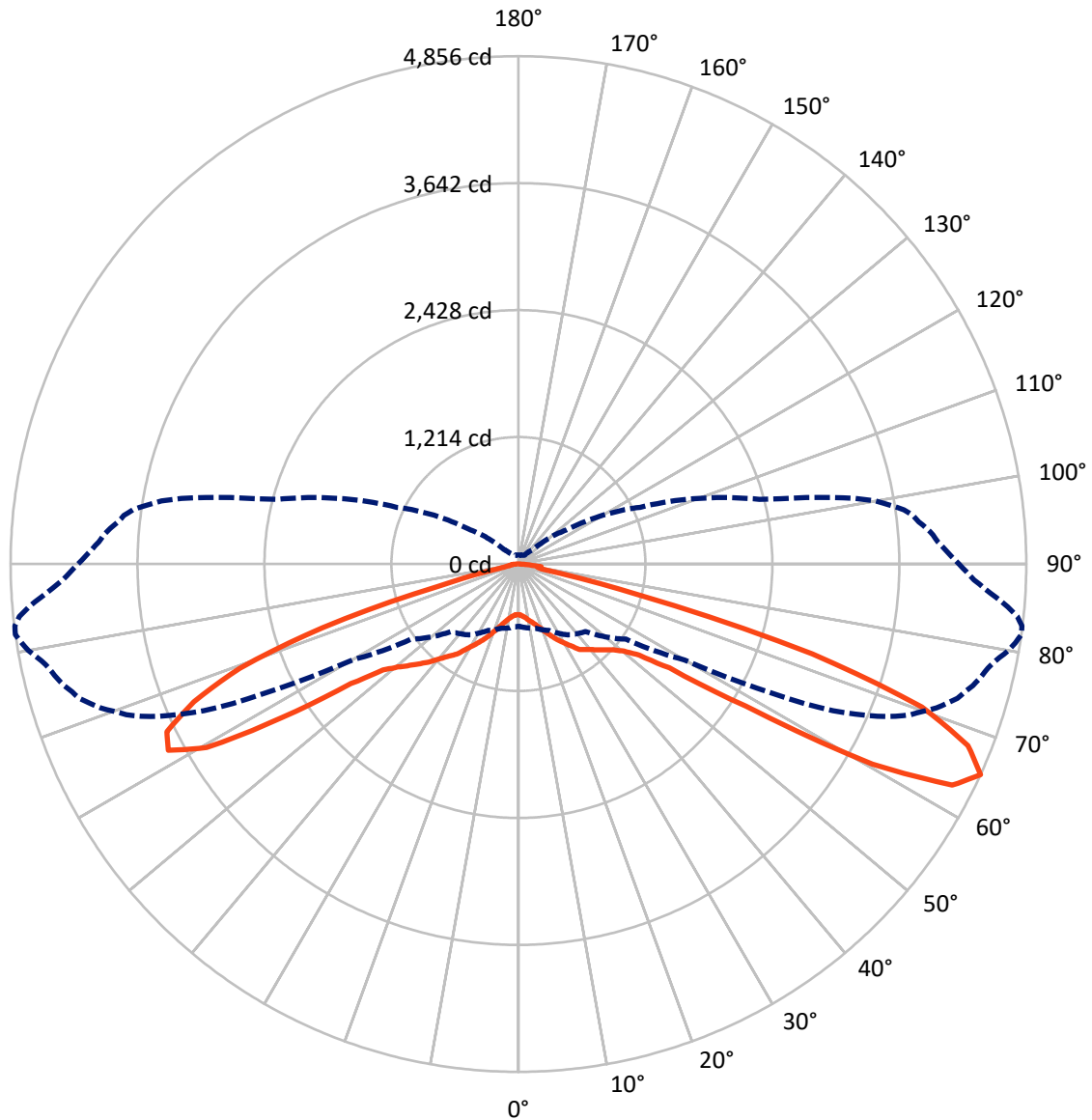


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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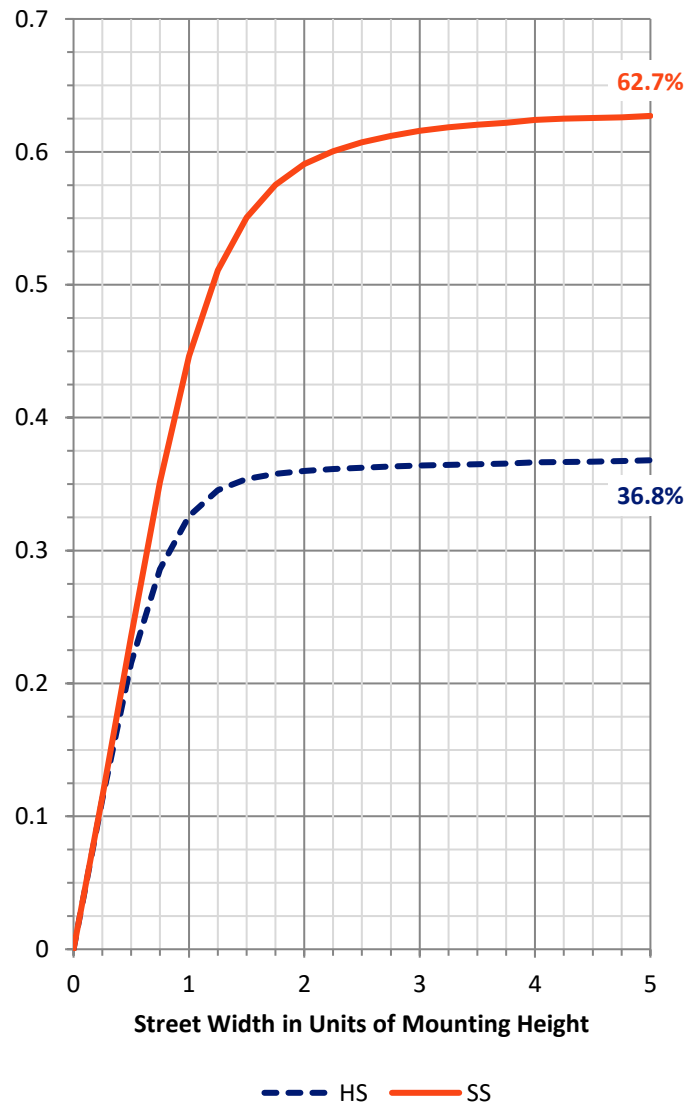
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1940.0	0.0	1940.0
	% Fixture	37.2	0.0	37.2
Street Side	Lumens	3270.3	0.0	3270.3
	% Fixture	62.8	0.0	62.8
Total	Lumens	5210.3	0.0	5210.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	0.9
10°-20°	172.4	3.3
20°-30°	341.7	6.6
30°-40°	585.7	11.2
40°-50°	879.9	16.9
50°-60°	1222.5	23.5
60°-70°	1394.7	26.8
70°-80°	480.5	9.2
80°-90°	83.7	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°	5210.3	100.0
0°-180°	5210.3	100.0



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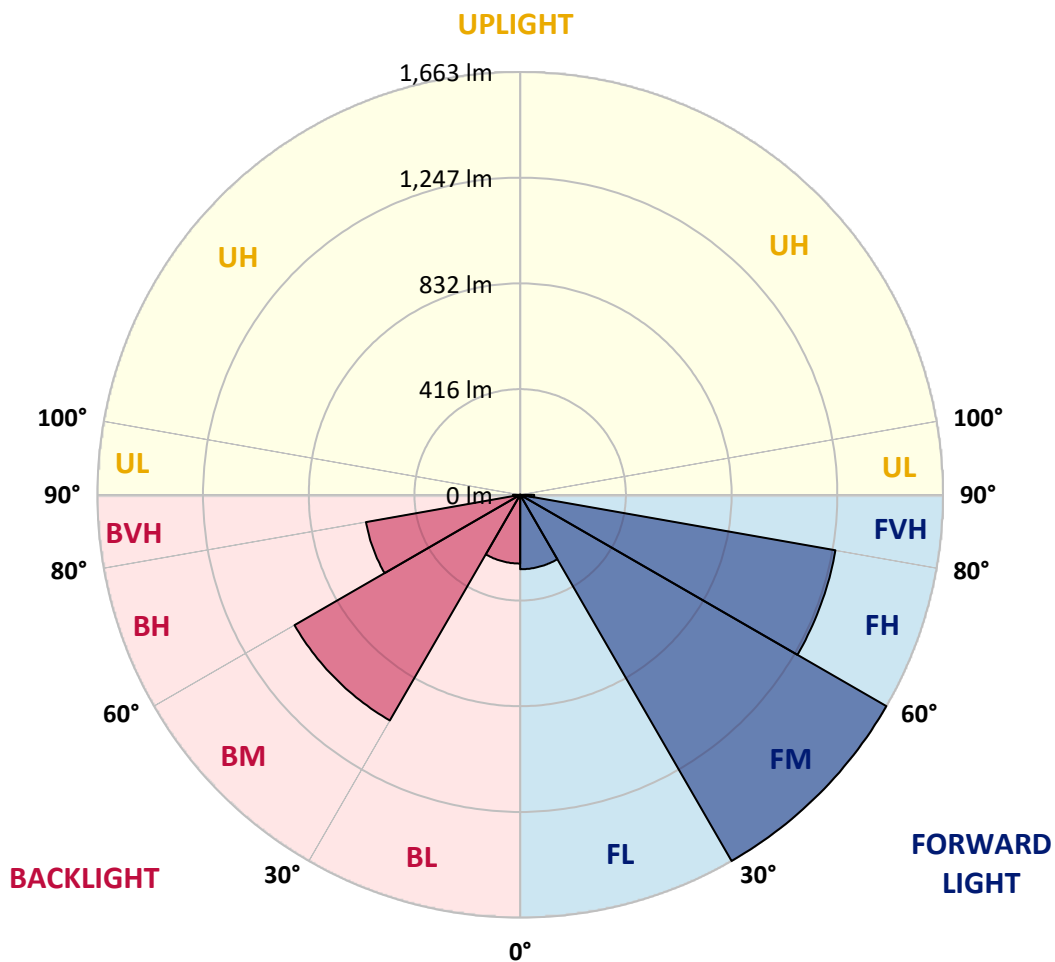
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.7	5.6			
FM (30°-60°)	1663.2	31.9			
FH (60°-80°)	1259.3	24.2			G1/1800
FVH (80°-90°)	55.1	1.1			G1/100
BL (0°-30°)	270.5	5.2	B1/500		
BM (30°-60°)	1025.0	19.7	B2/2500		
BH (60°-80°)	615.9	11.8	B2/1000		G2/1000
BVH (80°-90°)	28.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
2.5°	511.1	511.5	511.1	510.1	509.8	506.7	503.4	501.7	501.3	500.0	500.3
5°	542.9	541.8	540.5	538.8	537.1	532.1	526.3	523.3	522.3	521.2	519.9
7.5°	571.2	571.9	571.2	568.8	564.5	558.0	550.6	545.9	545.6	544.5	543.5
10°	607.7	609.4	605.3	601.3	595.2	585.4	577.0	570.9	569.9	568.5	567.8
12.5°	647.2	647.5	646.2	637.0	626.9	613.4	601.3	595.2	593.8	592.1	591.5
15°	689.4	689.7	682.3	673.5	658.0	641.8	624.9	618.1	616.5	616.8	614.1
17.5°	722.8	723.5	716.4	705.2	686.7	667.4	649.2	643.8	642.8	643.1	641.8
20°	737.3	738.3	733.9	725.5	707.9	691.1	677.9	674.5	674.2	673.5	676.2
22.5°	736.6	737.0	735.3	731.9	721.4	711.7	710.0	712.0	711.7	712.3	714.7
25°	730.6	731.6	731.2	732.6	730.9	734.6	742.4	749.5	750.5	751.8	756.2
27.5°	746.1	748.1	745.8	747.1	749.8	762.3	778.2	789.0	791.0	794.7	798.4
30°	806.9	804.2	801.1	797.7	799.4	807.2	825.1	834.5	835.6	838.3	843.3
32.5°	897.0	894.0	891.3	885.9	884.5	881.1	887.2	889.6	889.2	891.9	893.3
35°	998.6	998.9	998.3	1002.3	1005.7	988.5	967.2	961.5	963.8	960.8	961.5
37.5°	1085.4	1086.4	1104.3	1126.6	1133.0	1122.2	1075.6	1052.6	1044.9	1043.8	1036.1
40°	1181.6	1181.6	1208.6	1235.9	1253.8	1267.3	1212.0	1171.5	1154.9	1150.2	1130.9
42.5°	1287.3	1281.9	1306.5	1336.5	1369.6	1400.3	1371.7	1326.1	1302.4	1294.0	1260.2
45°	1374.0	1370.6	1382.8	1410.8	1464.5	1524.6	1528.6	1505.3	1491.2	1473.6	1442.5
47.5°	1427.4	1425.7	1432.8	1463.1	1530.3	1627.6	1681.9	1693.7	1685.3	1671.8	1641.7
50°	1448.3	1445.9	1451.0	1484.7	1560.0	1688.3	1808.5	1864.2	1868.3	1871.3	1861.8
52.5°	1440.9	1437.8	1448.3	1476.6	1555.0	1709.6	1907.4	2014.4	2032.3	2047.5	2078.6
55°	1369.6	1364.9	1393.3	1446.6	1533.0	1701.8	1979.7	2158.9	2196.7	2237.3	2306.1
57.5°	1260.6	1256.5	1297.4	1370.6	1494.2	1680.6	2028.3	2341.6	2426.6	2499.6	2695.0
60°	1155.6	1152.2	1176.2	1247.1	1368.3	1576.9	1968.2	2403.0	2545.8	2703.1	3060.0
62.5°	967.9	958.8	990.8	1050.6	1127.2	1304.5	1705.9	2266.3	2486.4	2717.7	3201.4
65°	594.8	608.0	635.7	701.9	827.4	911.8	1252.8	1833.5	2123.8	2413.8	3041.4
67.5°	377.8	381.5	402.1	448.0	545.2	630.0	759.3	1150.5	1374.4	1659.6	2387.8
70°	323.8	326.1	343.7	391.6	458.8	563.1	574.6	600.9	681.3	862.9	1403.7
72.5°	255.2	259.3	273.1	314.6	395.7	507.7	709.3	475.0	458.8	474.0	685.0
75°	151.9	156.6	168.1	190.7	254.2	388.2	743.0	552.6	515.2	485.8	472.6
77.5°	80.3	77.0	84.7	97.9	130.6	206.9	558.4	677.2	650.9	615.8	541.2
80°	39.8	41.2	43.5	46.3	58.4	84.1	279.2	700.5	776.5	810.2	744.1
82.5°	15.9	17.9	25.3	27.0	32.1	35.8	89.8	388.2	556.0	754.2	984.8
85°	8.1	7.8	13.5	16.2	18.9	16.9	31.7	144.8	260.6	406.1	658.0
87.5°	1.0	1.4	3.0	4.1	5.7	5.4	9.1	31.4	50.0	70.9	99.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
2.5°	498.6	498.3	498.3	496.9	496.9	497.3	496.3	495.6	495.6	495.9	494.6
5°	518.9	517.9	517.9	516.5	514.8	514.8	513.5	513.1	512.5	511.1	510.1
7.5°	542.5	541.5	539.8	538.8	538.1	537.1	535.4	534.8	533.4	532.1	530.7
10°	566.8	565.5	564.8	563.1	562.4	560.4	559.4	559.7	557.0	556.0	556.4
12.5°	591.1	589.8	587.4	586.7	586.4	584.4	583.4	582.7	580.7	580.3	579.3
15°	612.7	613.4	612.4	610.7	609.4	609.0	608.0	607.3	606.0	604.6	603.3
17.5°	640.8	641.8	640.4	638.1	638.1	637.7	638.1	637.7	635.4	636.4	635.7
20°	676.5	677.2	673.8	674.9	675.5	675.2	676.2	677.2	676.5	676.5	677.6
22.5°	717.7	718.7	716.7	718.1	720.1	718.4	721.4	721.1	721.8	722.8	723.1
25°	759.9	762.0	760.3	764.0	762.6	764.0	767.7	766.7	768.4	771.1	772.1
27.5°	802.1	803.5	803.8	806.2	808.5	810.6	815.3	815.3	816.6	821.4	821.4
30°	846.4	847.7	849.1	852.4	853.8	857.5	862.2	863.6	862.9	869.6	871.7
32.5°	897.3	898.7	901.0	905.1	906.8	910.5	910.5	914.2	916.9	922.7	923.0
35°	965.2	966.2	965.2	964.9	967.2	972.3	972.6	978.0	980.4	986.1	987.8
37.5°	1033.0	1032.7	1028.3	1023.6	1023.9	1021.9	1020.6	1022.9	1023.9	1024.3	1028.0
40°	1124.5	1115.8	1109.0	1097.2	1091.8	1083.3	1078.3	1077.9	1072.5	1071.9	1072.9
42.5°	1244.4	1234.3	1218.4	1198.5	1183.3	1167.7	1156.3	1149.5	1137.7	1131.6	1126.6
45°	1411.8	1386.8	1367.9	1344.3	1314.9	1287.9	1259.6	1246.7	1224.1	1210.3	1194.8
47.5°	1616.4	1591.8	1562.7	1538.4	1499.9	1462.5	1423.6	1389.5	1350.0	1318.7	1293.0
50°	1838.5	1824.0	1803.1	1780.5	1730.9	1706.2	1657.3	1611.0	1568.5	1512.4	1463.5
52.5°	2066.4	2074.9	2070.1	2062.0	2030.6	2021.2	1979.0	1922.6	1879.7	1841.3	1756.2
55°	2347.3	2357.4	2377.7	2389.5	2385.8	2409.8	2399.3	2355.4	2338.2	2320.3	2259.9
57.5°	2777.1	2849.3	2926.6	2994.5	3010.3	3095.4	3077.2	3121.1	3152.1	3129.9	3110.3
60°	3235.2	3381.0	3512.4	3649.8	3761.5	3845.2	3956.0	4030.6	4077.5	4161.9	4168.6
62.5°	3419.9	3618.0	3784.8	3944.1	4076.8	4192.9	4292.9	4395.8	4480.2	4556.5	4611.6
65°	3318.6	3525.5	3727.7	3889.4	4017.1	4117.0	4225.7	4307.4	4390.4	4439.4	4497.1
67.5°	2758.8	3033.0	3281.8	3464.1	3638.6	3740.2	3868.9	3949.2	4037.3	4089.0	4126.1
70°	1798.7	2155.6	2495.5	2772.0	3007.6	3126.1	3281.4	3391.2	3497.2	3499.9	3561.6
72.5°	970.6	1269.0	1553.6	1836.2	2104.9	2262.6	2415.8	2549.2	2654.5	2609.6	2671.1
75°	540.5	680.3	835.9	1005.7	1169.4	1259.6	1374.0	1374.7	1429.0	1343.6	1365.2
77.5°	519.9	513.5	515.8	520.6	528.7	511.5	511.1	500.7	484.5	455.1	460.1
80°	683.0	601.3	542.5	450.4	362.6	295.7	277.2	281.6	294.7	321.1	354.5
82.5°	987.5	918.6	820.0	674.9	529.7	408.5	335.6	297.8	296.1	322.4	373.0
85°	719.1	760.6	754.2	629.6	519.2	421.7	306.9	259.3	214.7	204.2	222.1
87.5°	106.0	87.8	98.9	82.7	60.1	46.6	40.8	32.7	31.4	32.1	35.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
2.5°	494.9	493.6	492.2	493.2	492.2	491.9	490.9	490.2	489.9	489.9	489.9
5°	510.1	508.4	507.4	507.1	506.1	505.0	504.7	503.0	502.7	502.7	501.7
7.5°	530.7	529.4	527.7	526.7	526.0	524.3	522.6	522.3	521.9	520.6	519.6
10°	554.7	552.6	550.6	550.6	549.3	548.9	547.2	544.9	544.5	542.5	541.8
12.5°	577.3	576.6	574.3	573.6	572.6	571.6	570.5	569.5	568.5	566.8	567.5
15°	604.3	602.6	600.6	600.9	600.6	599.2	597.9	596.9	596.2	595.5	595.5
17.5°	636.7	636.0	635.7	634.0	632.7	633.7	633.7	633.7	632.0	632.3	632.7
20°	677.9	678.6	677.9	676.5	676.2	677.2	674.9	678.6	676.5	675.2	675.9
22.5°	723.5	725.8	723.1	723.5	725.2	725.8	723.5	726.5	725.5	723.5	725.2
25°	773.1	774.8	773.4	773.1	774.1	776.5	776.1	775.8	778.2	776.1	777.1
27.5°	824.1	825.1	825.8	826.8	827.4	827.1	828.5	828.5	829.8	827.4	828.5
30°	874.7	874.7	876.1	877.4	877.4	877.4	880.1	880.5	878.4	879.1	876.7
32.5°	928.7	929.1	930.4	930.4	933.1	933.5	936.5	932.4	936.5	933.1	933.8
35°	992.2	996.6	997.3	1000.6	1003.3	1004.3	1004.3	1004.7	1008.4	1005.7	1006.7
37.5°	1029.3	1030.3	1033.0	1034.7	1034.7	1036.1	1037.1	1036.1	1037.1	1036.8	1037.8
40°	1073.2	1072.2	1075.2	1075.9	1074.6	1076.3	1075.9	1074.9	1077.6	1075.6	1076.9
42.5°	1126.6	1120.8	1120.5	1123.2	1120.5	1121.8	1121.5	1119.1	1122.5	1123.5	1122.5
45°	1183.6	1180.6	1174.5	1174.5	1171.8	1170.8	1171.1	1170.8	1171.1	1175.2	1176.5
47.5°	1276.5	1257.9	1247.4	1237.6	1229.5	1229.2	1225.5	1227.5	1230.2	1237.0	1243.0
50°	1432.1	1389.2	1362.9	1338.6	1321.0	1314.9	1307.8	1307.2	1309.5	1317.3	1327.8
52.5°	1709.6	1650.2	1594.1	1542.1	1496.9	1462.1	1444.9	1435.8	1432.4	1440.2	1450.3
55°	2217.3	2105.3	2026.3	1973.6	1861.2	1813.6	1752.5	1724.4	1697.1	1699.8	1717.0
57.5°	3085.0	3024.5	2958.4	2866.2	2797.3	2714.3	2561.7	2476.6	2480.3	2500.2	2438.1
60°	4222.0	4160.9	4133.5	4049.8	4001.9	3968.4	3887.4	3746.3	3696.3	3686.9	3572.8
62.5°	4653.8	4668.3	4689.9	4713.5	4712.2	4726.7	4655.8	4609.9	4552.1	4477.2	4364.4
65°	4541.0	4577.8	4621.7	4685.2	4757.4	4810.7	4855.6	4850.2	4796.2	4696.3	4577.1
67.5°	4159.2	4195.6	4227.7	4312.8	4431.3	4539.7	4635.5	4700.7	4664.6	4581.9	4442.8
70°	3585.3	3611.6	3631.9	3705.8	3835.8	3968.1	4093.4	4202.7	4191.6	4091.3	3980.3
72.5°	2597.8	2661.6	2696.0	2691.0	2771.3	2919.5	2937.1	3030.6	3056.6	2948.6	2771.7
75°	1265.6	1266.7	1226.8	1213.7	1217.7	1243.4	1194.4	1197.5	1180.6	1103.9	1040.8
77.5°	442.3	430.1	401.1	366.6	317.3	271.1	224.2	203.9	197.2	177.2	163.4
80°	381.1	399.0	393.3	364.9	313.0	249.5	186.4	138.1	117.8	110.7	104.0
82.5°	432.8	501.7	545.6	543.2	472.0	354.5	221.1	126.9	90.5	79.3	72.9
85°	241.4	259.6	264.7	241.0	200.2	136.7	76.3	53.7	45.6	41.5	37.5
87.5°	38.5	35.1	34.4	30.0	28.4	26.0	23.0	21.6	19.9	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VTS-E02-LED-E1-T2-8030

CANDELA DISTRIBUTION (continued):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
2.5°	489.5	489.2	488.2	487.2	486.5	486.1	485.8	485.1	484.8	484.5	483.8
5°	501.0	500.3	498.6	496.9	496.3	495.3	494.2	493.6	492.9	492.6	491.2
7.5°	518.9	518.2	516.2	514.8	514.5	511.8	511.5	510.4	508.8	508.4	506.4
10°	540.5	540.2	538.5	537.5	536.8	535.4	533.4	531.7	530.0	530.0	528.7
12.5°	565.5	564.1	565.1	562.8	562.1	560.7	559.7	559.4	557.4	555.7	555.3
15°	594.8	593.2	593.2	592.5	591.8	590.5	590.1	590.5	588.4	589.1	587.1
17.5°	631.3	632.0	631.6	631.6	630.0	630.0	627.3	630.6	628.3	630.0	629.3
20°	676.9	677.2	676.5	677.6	678.2	677.9	677.6	677.2	678.2	679.6	678.6
22.5°	725.5	725.5	725.2	728.9	724.8	727.9	728.9	726.8	732.2	731.6	732.6
25°	778.2	778.2	780.9	783.9	784.6	782.2	783.6	781.9	785.2	787.9	788.6
27.5°	827.1	831.5	833.5	831.5	833.2	836.9	836.6	836.6	838.9	838.3	844.7
30°	877.4	880.1	882.8	881.5	882.1	886.9	887.2	887.5	890.6	895.0	899.7
32.5°	934.8	937.5	936.2	940.5	940.2	945.9	947.0	948.0	957.4	955.7	965.5
35°	1005.4	1008.1	1006.7	1011.4	1010.8	1012.8	1016.5	1020.6	1022.2	1032.0	1039.8
37.5°	1038.4	1038.4	1041.5	1046.9	1048.9	1052.3	1058.0	1063.1	1071.5	1082.0	1094.1
40°	1078.3	1079.3	1083.3	1089.1	1092.8	1100.6	1111.0	1118.1	1130.9	1142.4	1156.6
42.5°	1126.6	1130.9	1135.7	1143.4	1151.5	1163.7	1178.5	1187.7	1204.5	1219.4	1237.0
45°	1182.9	1187.3	1198.5	1212.6	1224.5	1238.0	1250.1	1271.7	1286.9	1302.4	1317.6
47.5°	1251.1	1264.0	1273.1	1290.0	1304.5	1322.4	1337.6	1357.8	1374.4	1393.3	1406.1
50°	1338.6	1354.4	1366.3	1388.2	1402.4	1422.3	1441.5	1456.7	1473.6	1492.2	1502.6
52.5°	1464.2	1480.4	1495.2	1522.6	1540.1	1553.6	1579.3	1598.2	1613.7	1627.2	1638.7
55°	1736.3	1731.5	1772.7	1825.7	1831.8	1880.7	1889.9	1905.7	1934.4	1938.5	1970.6
57.5°	2513.7	2489.4	2549.2	2626.8	2613.3	2588.7	2691.7	2698.1	2683.6	2722.4	2678.5
60°	3589.7	3547.1	3563.3	3584.6	3553.9	3539.4	3544.4	3558.9	3544.8	3529.2	3486.7
62.5°	4308.1	4242.6	4195.6	4156.1	4106.2	4070.1	4029.6	3979.6	3966.1	3909.4	3861.8
65°	4461.3	4359.4	4285.1	4210.5	4141.6	4077.8	4016.7	3973.8	3917.1	3849.9	3800.3
67.5°	4292.9	4166.6	4057.9	3949.5	3871.6	3777.7	3731.8	3661.9	3592.0	3515.1	3469.5
70°	3803.4	3671.7	3535.0	3429.0	3323.0	3206.8	3184.2	3101.5	3061.3	2956.3	2938.1
72.5°	2625.1	2537.4	2476.3	2345.3	2280.8	2221.4	2202.5	2125.8	2133.9	2018.8	2060.7
75°	933.5	921.0	903.1	829.1	816.0	793.0	786.9	781.5	836.2	760.3	815.3
77.5°	160.4	159.3	150.2	145.8	154.3	148.9	150.2	147.5	163.4	165.8	162.0
80°	99.6	96.9	93.9	91.8	92.2	90.1	90.5	91.2	92.2	91.8	92.8
82.5°	68.2	65.8	64.5	63.1	65.2	65.8	67.5	69.2	71.9	73.6	75.6
85°	37.1	34.1	34.1	33.8	36.5	38.5	41.2	44.6	49.3	53.3	57.7
87.5°	18.9	18.2	18.6	19.2	21.6	23.3	26.7	29.7	33.8	38.1	42.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8	484.8
2.5°	483.4	483.4	483.1	483.1	482.8	482.4	482.1	481.1	477.4	474.0	471.6
5°	490.9	489.9	489.5	488.5	488.2	487.5	486.5	485.5	478.7	472.6	468.2
7.5°	506.1	504.7	504.0	503.0	502.0	500.7	499.3	498.3	490.2	483.1	477.7
10°	526.0	525.3	525.0	523.6	523.6	521.6	521.2	518.9	510.1	503.7	499.0
12.5°	553.7	552.3	552.0	550.3	551.0	550.3	549.6	548.3	541.8	534.4	528.0
15°	588.1	588.1	586.4	585.1	585.4	584.7	586.1	584.4	580.3	573.6	563.1
17.5°	629.6	628.9	629.6	628.6	629.3	630.0	628.3	628.6	626.6	618.1	602.6
20°	677.9	676.9	680.9	679.2	683.0	679.6	680.3	681.3	681.3	670.1	649.2
22.5°	733.3	732.6	732.6	736.0	737.3	737.6	739.0	740.0	742.7	728.5	695.1
25°	788.6	791.0	791.3	795.7	797.7	797.7	798.8	802.5	810.6	791.0	747.8
27.5°	845.0	850.7	852.1	855.1	858.2	861.2	863.6	866.3	879.4	858.2	801.8
30°	901.4	907.8	912.5	915.9	919.6	927.0	928.4	933.8	955.7	929.7	853.1
32.5°	967.6	976.7	982.7	987.1	992.9	1000.0	1004.0	1010.8	1032.0	989.5	890.6
35°	1046.5	1052.0	1060.7	1068.2	1071.5	1083.7	1090.1	1091.8	1108.0	1041.1	918.3
37.5°	1101.2	1110.4	1125.5	1136.0	1142.1	1148.8	1159.6	1166.7	1182.3	1088.1	932.1
40°	1170.8	1184.6	1196.8	1212.3	1222.1	1227.2	1238.0	1243.7	1245.7	1128.2	927.7
42.5°	1255.5	1268.0	1284.2	1296.7	1304.1	1309.9	1318.7	1321.0	1294.7	1147.2	904.1
45°	1335.2	1354.4	1368.3	1377.4	1382.8	1385.8	1391.2	1391.6	1335.2	1137.7	863.6
47.5°	1420.9	1434.8	1447.6	1454.0	1453.4	1454.0	1452.0	1450.7	1355.4	1105.0	811.6
50°	1515.8	1524.9	1530.3	1533.4	1535.1	1528.6	1519.5	1513.4	1357.1	1058.4	758.9
52.5°	1643.1	1654.6	1653.5	1653.2	1639.7	1633.6	1609.3	1596.8	1347.3	1003.7	699.5
55°	1965.5	1954.3	1932.4	1943.2	1888.2	1859.5	1821.7	1786.6	1360.2	951.7	630.6
57.5°	2696.0	2700.4	2638.0	2604.6	2511.7	2395.6	2302.1	2211.3	1475.6	920.0	540.8
60°	3458.3	3400.9	3321.6	3200.8	3081.2	2908.7	2742.3	2585.0	1590.8	886.9	434.5
62.5°	3791.2	3709.5	3589.7	3433.4	3245.7	3034.7	2827.4	2635.6	1535.1	779.8	316.0
65°	3723.7	3598.8	3466.4	3283.5	3055.2	2824.0	2581.9	2386.1	1284.2	581.7	194.8
67.5°	3370.6	3264.6	3124.8	2907.7	2663.6	2422.9	2201.1	1981.7	954.0	362.6	109.0
70°	2844.9	2741.3	2599.5	2377.4	2133.6	1903.4	1668.4	1489.5	608.0	174.9	78.7
72.5°	1973.6	1889.5	1789.3	1630.9	1417.2	1207.9	1048.9	911.5	336.9	92.8	71.9
75°	801.5	801.8	783.6	716.7	605.6	522.3	445.3	377.8	140.8	79.0	70.9
77.5°	181.6	184.7	201.9	191.4	172.5	161.4	144.5	127.6	85.7	81.4	71.6
80°	91.8	92.2	91.2	91.5	90.5	90.8	89.5	88.5	80.3	83.7	71.6
82.5°	76.6	78.3	78.0	78.0	78.3	78.3	78.3	78.0	83.4	88.1	69.2
85°	60.8	64.1	66.8	69.5	72.6	74.6	75.6	76.6	81.0	86.8	62.8
87.5°	45.9	50.0	53.3	56.0	60.8	60.8	64.1	66.5	66.5	67.9	33.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	484.8	484.8	484.8	484.8	484.8
2.5°	468.2	466.9	465.5	464.9	463.5
5°	464.9	462.2	460.5	460.5	459.1
7.5°	474.7	473.6	471.3	469.9	471.3
10°	495.6	493.9	491.2	489.2	490.2
12.5°	523.6	516.9	511.5	509.1	507.4
15°	552.6	539.1	528.3	522.3	520.6
17.5°	583.7	560.1	543.9	534.8	533.1
20°	615.4	586.1	563.1	551.3	551.0
22.5°	653.6	614.4	585.1	569.5	568.5
25°	693.8	639.7	600.9	581.0	579.0
27.5°	728.5	660.0	610.7	587.1	585.1
30°	757.6	675.2	618.8	591.5	588.8
32.5°	778.5	684.0	622.2	592.8	589.8
35°	785.2	680.6	612.7	580.7	577.3
37.5°	776.1	658.7	586.4	551.0	546.9
40°	748.8	620.2	543.5	507.1	502.0
42.5°	706.9	572.9	491.9	457.1	450.7
45°	655.3	519.6	440.6	401.7	398.7
47.5°	601.3	463.5	382.8	347.7	344.0
50°	542.9	398.7	326.5	288.3	288.3
52.5°	473.3	335.6	261.0	232.3	229.9
55°	393.3	264.3	208.0	186.0	183.0
57.5°	307.2	203.2	166.1	153.3	149.9
60°	225.9	152.6	133.7	126.6	125.2
62.5°	153.3	116.1	107.7	104.7	104.3
65°	103.6	90.5	88.1	87.1	87.4
67.5°	79.7	75.3	74.3	73.9	73.9
70°	69.2	66.5	65.5	65.8	65.5
72.5°	65.2	61.4	61.8	62.5	62.1
75°	63.8	59.1	60.4	60.8	59.4
77.5°	62.8	56.4	59.8	60.8	57.1
80°	60.8	54.0	62.1	62.5	56.0
82.5°	55.7	47.9	62.1	57.4	50.6
85°	47.3	36.5	70.2	50.0	37.5
87.5°	30.0	21.6	47.6	34.1	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)