



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SWLSEL4HT6499LMWT40120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] DG3211126-60857E-10
 [TESTLAB] BACL
 [TESTDATE] 2021-12-02
 [ISSUE DATE] 2021-12-02 13:13:57
 [LAMPPOSITION] 0,0
 [OTHER]
 [MANUFAC] BEGHELLI
 [LUMCAT] SWLSEL4HT6499LMWT40120-277V_P
 [LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6499
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	46
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.23 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.05 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11924	9452	9140
55	11209	8499	8327
65	10104	7505	7573
75	8039	6568	6935
85	3535	5779	6570

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716
1	1817.279	1817.039	1817.070	1817.289	1817.289	1817.289	1817.945	1817.956	1817.497	1817.914
2	1815.946	1815.706	1816.154	1816.164	1816.383	1816.831	1817.727	1817.518	1816.820	1817.029
3	1813.925	1813.696	1814.144	1814.373	1815.039	1815.487	1816.612	1816.623	1815.456	1815.893
4	1811.280	1811.707	1811.498	1812.165	1812.842	1813.508	1814.404	1814.633	1813.446	1814.331
5	1808.363	1808.353	1808.353	1809.467	1810.144	1811.248	1812.373	1812.831	1810.707	1811.582
6	1804.416	1804.624	1804.843	1805.864	1807.207	1808.197	1809.749	1809.769	1807.791	1808.468
7	1799.677	1799.896	1800.792	1802.343	1803.270	1804.812	1805.708	1806.155	1803.156	1804.489
8	1794.845	1794.845	1796.011	1797.584	1799.156	1800.615	1801.739	1802.198	1798.886	1800.219
9	1788.950	1789.616	1790.710	1792.709	1794.970	1795.615	1797.209	1796.990	1793.564	1794.897
10	1782.586	1783.034	1784.565	1786.992	1789.241	1790.116	1791.710	1791.491	1788.033	1788.960
11	1775.910	1776.129	1778.097	1780.992	1783.659	1784.961	1786.138	1786.127	1781.065	1782.857
12	1768.140	1768.588	1771.004	1773.671	1777.045	1778.357	1779.295	1778.857	1774.098	1776.108
13	1759.610	1760.496	1763.318	1767.078	1770.452	1771.765	1772.504	1771.848	1765.922	1768.140
14	1750.955	1751.872	1754.913	1760.016	1762.943	1764.703	1765.005	1763.891	1757.319	1760.225
15	1741.644	1742.540	1746.237	1751.611	1754.986	1756.517	1756.538	1755.215	1748.508	1751.424
16	1731.615	1732.510	1737.114	1742.759	1746.581	1748.102	1747.862	1746.539	1738.801	1742.165
17	1721.366	1722.033	1727.094	1732.916	1737.895	1738.957	1738.291	1736.197	1728.459	1732.302
18	1710.180	1711.524	1716.794	1723.293	1728.469	1729.531	1728.438	1726.272	1717.210	1721.241
19	1698.640	1699.557	1706.118	1713.898	1718.012	1719.918	1718.200	1715.742	1705.775	1710.503
20	1686.142	1687.694	1694.474	1702.754	1708.347	1709.639	1707.691	1704.348	1694.162	1698.890
21	1673.196	1674.290	1682.424	1691.579	1697.422	1698.692	1695.859	1692.079	1681.247	1686.153
22	1659.490	1661.490	1669.624	1680.091	1686.392	1687.215	1683.715	1679.247	1667.645	1673.207
23	1645.107	1647.533	1656.792	1667.551	1674.290	1675.321	1671.499	1666.385	1653.408	1659.646
24	1630.911	1632.463	1642.826	1654.418	1662.083	1662.417	1658.001	1652.231	1638.556	1645.075
25	1615.122	1617.757	1628.526	1641.336	1649.210	1649.512	1644.419	1637.785	1623.402	1630.796
26	1599.499	1602.196	1614.278	1627.682	1636.046	1636.306	1630.619	1622.360	1607.696	1615.132
27	1583.231	1586.157	1599.353	1613.695	1622.475	1622.537	1615.476	1606.519	1591.313	1599.166
28	1565.681	1569.264	1583.543	1598.770	1608.206	1608.258	1600.322	1590.271	1573.670	1582.689
29	1548.434	1552.308	1567.306	1583.606	1593.250	1592.885	1584.491	1573.972	1556.516	1565.712
30	1530.228	1534.498	1550.610	1568.264	1579.023	1578.283	1568.472	1556.162	1537.581	1548.069
31	1511.700	1516.095	1533.509	1552.506	1563.088	1561.994	1551.694	1538.446	1519.178	1529.968
32	1492.807	1497.754	1516.407	1536.352	1547.601	1546.497	1535.029	1520.500	1499.597	1511.481
33	1473.768	1478.944	1498.452	1519.709	1531.186	1529.676	1517.043	1501.014	1480.579	1492.546
34	1453.406	1459.249	1480.371	1502.295	1514.668	1512.522	1498.681	1482.173	1460.395	1473.174
35	1432.274	1439.461	1461.915	1485.672	1498.066	1496.306	1481.173	1461.926	1439.075	1453.156
36	1411.527	1418.235	1442.210	1466.811	1480.808	1477.653	1461.686	1441.335	1417.766	1432.920
37	1389.958	1397.758	1423.515	1450.136	1464.592	1460.968	1443.220	1420.859	1396.613	1412.110
38	1368.700	1376.355	1402.883	1430.670	1445.533	1441.502	1423.026	1399.154	1377.418	1390.874
39	1345.339	1354.223	1382.959	1412.590	1427.629	1423.807	1402.935	1377.439	1358.650	1372.231
40	1322.384	1332.039	1362.920	1393.113	1408.653	1404.101	1382.344	1355.077	1339.788	1353.588
41	1299.252	1309.303	1341.236	1373.700	1389.905	1385.115	1361.587	1332.758	1314.729	1334.935
42	1275.381	1286.244	1320.780	1354.650	1371.252	1366.065	1340.725	1309.522	1290.202	1311.823
43	1251.603	1262.612	1298.294	1333.883	1351.651	1345.350	1318.656	1285.661	1265.122	1287.827
44	1226.638	1239.001	1277.016	1314.011	1332.477	1325.686	1297.388	1261.883	1239.741	1263.570
45	1202.215	1214.953	1255.332	1293.805	1312.230	1304.981	1274.985	1237.730	1213.672	1238.803
46	1176.386	1190.456	1232.783	1272.881	1292.254	1285.213	1253.582	1213.422	1187.582	1213.994
47	1150.566	1165.595	1209.662	1252.187	1271.569	1263.206	1230.700	1188.113	1161.159	1188.884
48	1124.945	1140.516	1187.217	1231.586	1252.082	1243.448	1207.652	1162.711	1133.663	1163.106
49	1097.970	1114.822	1163.815	1209.985	1231.169	1221.618	1184.186	1137.058	1106.396	1137.527
50	1071.349	1089.169	1141.266	1188.998	1211.359	1200.580	1161.252	1111.458	1078.890	1111.281
51	1043.999	1063.663	1117.509	1167.408	1189.998	1179.479	1138.100	1084.899	1050.467	1084.722
52	1017.076	1036.479	1093.804	1145.526	1168.512	1157.430	1113.957	1058.049	1022.357	1058.049
53	989.643	1010.973	1070.308	1123.873	1147.973	1135.933	1090.076	1031.262	993.132	1030.782

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54	961.043	983.842	1045.863	1101.636	1125.914	1113.187	1065.496	1004.391	964.199	1004.328
55	933.224	957.148	1022.492	1080.077	1105.573	1091.669	1041.750	977.457	935.068	976.666
56	904.479	929.516	998.808	1058.164	1084.285	1070.183	1018.274	949.940	904.937	949.086
57	875.889	902.364	973.958	1035.584	1061.444	1047.103	992.778	921.736	875.066	921.497
58	846.425	875.525	950.357	1014.608	1041.562	1026.335	969.531	894.574	844.519	893.147
59	816.981	847.383	924.965	991.674	1019.378	1002.964	944.150	866.266	814.159	865.557
60	788.215	819.991	901.646	970.219	998.839	981.706	920.382	838.613	783.549	837.145
61	758.084	792.860	877.680	948.222	977.499	959.543	896.490	810.378	752.345	809.128
62	727.557	764.104	852.986	925.142	955.335	937.119	871.796	781.560	721.256	780.903
63	697.624	736.733	829.198	904.416	934.568	915.685	847.716	753.803	689.625	752.428
64	667.722	708.508	804.660	882.357	913.436	893.657	823.168	725.255	658.036	723.724
65	638.185	680.970	781.653	861.214	893.157	872.942	799.723	697.385	626.343	695.927
66	608.648	654.620	757.042	838.999	871.442	850.080	774.311	668.920	594.598	667.462
67	579.100	628.280	734.160	818.179	851.257	829.511	751.845	642.049	562.738	639.529
68	548.365	601.941	710.633	797.036	830.396	807.587	728.036	615.241	530.493	610.971
69	517.141	573.768	687.136	776.050	809.587	786.798	704.092	588.422	498.696	583.621
70	485.698	546.512	660.192	755.178	790.048	766.197	681.595	560.895	466.190	555.489
71	454.869	519.203	641.778	734.140	769.249	744.763	660.380	532.899	434.435	528.108
72	423.311	491.843	623.417	713.434	749.689	724.214	639.185	505.664	402.512	501.352
73	392.535	465.180	601.076	693.500	729.578	703.946	617.990	478.636	370.788	474.210
74	361.800	439.017	579.371	673.024	709.768	683.137	595.712	451.953	339.355	448.120
75	330.742	412.782	557.145	654.974	690.240	666.931	573.757	425.790	308.318	421.853
76	300.965	387.588	536.326	636.967	670.816	647.944	552.344	400.252	277.354	396.649
77	270.168	362.675	515.120	618.949	653.672	628.905	531.305	375.204	247.161	371.600
78	241.516	338.741	494.905	599.993	636.550	610.064	510.569	351.062	217.217	347.302
79	212.770	315.317	474.720	581.069	619.438	590.744	490.030	327.586	188.763	324.118
80	184.503	292.175	455.046	562.259	601.285	571.831	470.138	304.590	161.924	301.403
81	157.508	271.001	436.132	544.085	583.058	553.594	450.818	282.822	135.084	279.385
82	131.543	250.067	417.052	526.140	565.384	535.503	431.987	262.054	108.296	258.721
83	107.525	230.205	399.086	508.330	547.782	517.776	413.354	241.891	85.060	238.683
84	84.310	211.385	381.203	491.353	530.597	500.185	395.461	222.716	63.855	219.634
85	63.199	193.169	363.695	473.762	513.110	482.927	377.652	204.730	44.785	201.647
86	45.576	176.619	347.042	457.379	496.779	466.076	360.696	187.815	31.433	184.753
87	28.006	160.799	330.794	441.048	480.344	449.682	344.292	171.880	18.091	168.954
88	14.717	146.301	314.921	424.926	464.003	433.424	328.399	157.164	4.853	154.945
89	5.249	132.699	300.017	409.511	448.922	417.823	312.943	143.353	0.531	140.937
90	2.802	120.357	285.124	394.045	433.018	402.242	297.986	130.668	0.260	126.939
91	0.479	109.119	271.438	379.849	418.708	387.765	283.957	119.222	0.271	115.368
92	0.469	98.673	257.659	364.789	403.169	372.673	269.647	108.296	0.281	104.943
93	0.490	89.622	244.963	351.312	389.421	358.831	256.951	98.839	0.312	95.350
94	0.542	81.269	232.517	337.376	375.433	344.844	244.015	90.205	0.354	86.643
95	0.604	73.708	220.613	324.014	361.425	331.388	231.955	82.238	0.375	78.905
96	0.635	67.250	209.541	311.620	348.593	318.577	220.415	75.270	0.406	71.885
97	0.677	61.803	198.283	298.518	335.179	305.694	209.073	68.813	0.448	65.657
98	0.739	56.367	188.274	286.624	322.899	293.643	198.522	63.657	0.490	60.053
99	0.802	50.940	178.286	274.979	310.610	281.406	188.232	58.502	0.531	55.138
100	0.864	46.837	169.037	263.585	298.653	270.032	178.827	53.346	0.583	50.690
101	0.917	43.212	160.268	252.754	287.238	258.930	169.506	49.253	0.614	46.785
102	0.969	39.994	151.727	241.849	275.625	247.921	160.788	45.712	0.656	43.327
103	1.021	37.140	143.958	231.882	265.012	237.704	152.602	42.556	0.698	40.140
104	1.062	34.589	136.323	221.612	254.087	227.310	144.551	39.619	0.729	37.380
105	1.114	32.360	129.251	212.197	243.911	217.873	137.386	37.182	0.760	34.797
106	1.146	30.287	122.492	202.938	233.923	208.229	130.199	34.828	0.729	32.495
107	1.146	28.527	116.233	194.221	224.497	199.418	123.679	32.787	0.750	30.485
108	1.187	26.840	110.192	185.670	215.124	190.700	117.399	30.943	0.802	28.558
109	1.250	25.382	104.516	177.484	206.188	182.285	111.337	29.194	0.854	26.861

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CANDELA TABULATION - (Cont.)

110	1.323	24.028	99.277	169.683	197.554	174.286	105.807	27.673	0.927	25.309
111	1.375	22.757	94.017	162.007	189.076	166.506	100.381	26.225	0.989	23.871
112	1.437	21.695	89.559	154.956	181.275	159.195	95.506	24.944	1.073	22.601
113	1.500	20.632	85.008	147.978	173.391	152.092	90.799	23.757	1.135	21.361
114	1.552	19.716	80.894	141.385	166.090	145.322	86.362	22.653	1.198	20.299
115	1.625	18.851	76.916	134.886	158.757	138.812	82.092	21.622	1.271	19.289
116	1.698	18.049	73.104	128.720	151.810	132.376	78.165	20.716	1.344	18.362
117	1.750	17.372	69.656	123.065	145.197	126.585	74.458	19.862	1.416	17.508
118	1.823	16.664	66.355	117.222	138.677	120.638	70.833	19.049	1.500	16.727
119	1.875	16.112	63.043	112.108	132.730	115.378	67.584	18.331	1.583	15.977
120	1.958	15.529	59.741	106.828	126.689	109.994	64.417	17.633	1.666	15.331
121	2.031	15.019	56.939	101.985	121.055	104.963	61.262	17.018	1.750	14.696
122	2.093	14.560	54.336	97.371	115.587	100.204	58.095	16.435	1.823	14.123
123	2.187	14.081	51.669	92.705	110.244	95.517	55.398	15.893	1.916	13.602
124	2.250	13.738	49.409	88.632	105.328	91.257	52.784	15.394	1.979	13.081
125	2.354	13.331	47.066	84.550	100.620	87.049	50.419	14.925	2.073	12.561
126	2.427	12.998	44.920	80.602	95.923	83.040	48.097	14.487	2.156	12.144
127	2.520	12.675	42.931	77.009	91.674	79.238	45.889	14.060	2.250	11.717
128	2.635	12.373	40.869	73.229	87.226	75.478	43.733	13.706	2.333	11.332
129	2.729	12.134	39.140	69.937	83.331	72.052	41.848	13.363	2.427	10.957
130	2.843	11.842	37.307	67.604	79.436	68.511	39.859	13.008	2.520	10.623
131	2.958	11.634	35.640	63.886	75.666	65.292	38.171	12.738	2.614	10.301
132	3.062	11.425	34.068	60.147	72.156	62.074	36.338	12.436	2.687	9.988
133	3.177	11.227	32.453	57.137	68.552	58.866	34.672	12.206	2.781	9.655
134	3.312	11.050	31.047	54.408	65.271	56.064	33.151	11.967	2.875	9.124
135	3.427	10.853	29.683	51.836	61.991	53.346	31.631	11.707	2.937	8.936
136	3.541	10.696	28.381	49.263	58.710	50.742	30.256	11.498	3.020	8.738
137	3.666	10.519	27.194	46.910	55.867	48.274	28.954	11.259	3.104	8.592
138	3.822	10.394	26.059	44.618	53.075	45.899	27.694	11.050	3.197	8.426
139	3.979	10.280	24.986	42.431	50.451	43.691	26.590	10.915	3.270	8.228
140	4.114	10.196	24.038	40.379	47.920	41.515	25.465	10.769	3.343	8.040
141	4.260	10.113	23.122	38.411	45.472	39.463	24.465	10.655	3.447	7.822
142	4.437	9.998	22.236	36.526	43.150	37.599	23.528	10.561	3.552	7.603
143	4.583	9.936	21.393	34.776	40.963	35.713	22.580	10.478	3.614	7.405
144	4.666	9.853	20.549	33.089	38.869	33.984	21.705	10.394	3.656	7.197
145	4.739	9.811	19.789	31.506	36.890	32.318	20.830	10.321	3.677	7.030
146	4.822	9.769	19.039	29.975	34.995	30.714	20.018	10.123	3.697	6.864
147	4.906	9.728	18.331	28.496	33.172	29.246	19.258	9.842	3.729	6.634
148	5.020	9.707	17.716	27.163	31.495	27.808	18.549	9.821	3.770	6.541
149	5.114	9.665	17.070	25.829	29.829	26.423	17.862	9.790	3.802	6.374
150	5.208	9.634	16.518	24.580	28.298	25.163	17.247	9.717	3.833	6.312
151	5.280	9.592	15.987	23.413	26.798	23.934	16.622	9.644	3.885	6.187
152	5.353	9.551	15.446	22.288	25.434	22.830	16.091	9.519	3.937	6.010
153	5.447	9.519	14.977	21.236	24.132	21.726	15.529	9.436	3.989	5.874
154	5.530	9.488	14.529	20.257	22.913	20.695	15.019	9.217	4.041	5.801
155	5.603	9.478	14.092	19.289	21.757	19.716	14.529	9.092	4.104	5.770
156	5.676	9.446	13.665	18.393	20.622	18.737	14.050	8.967	4.166	5.749
157	5.739	9.436	13.290	17.581	19.591	17.883	13.623	8.957	4.218	5.718
158	5.801	9.405	12.904	16.779	18.581	17.050	13.206	8.832	4.281	5.655
159	5.853	9.394	12.561	16.050	17.622	16.258	12.717	8.790	4.333	5.437
160	5.885	9.363	12.227	15.352	16.768	15.550	12.269	8.645	4.374	5.135
161	5.905	9.322	11.873	14.664	15.904	14.842	11.790	8.551	4.416	4.874
162	5.916	9.301	11.582	14.060	15.144	14.185	11.207	8.353	4.447	4.676
163	5.916	9.269	11.259	13.446	14.414	13.571	10.769	8.207	4.478	4.541
164	5.916	9.249	10.978	12.915	13.738	12.988	10.290	8.165	4.510	4.458
165	5.895	9.228	10.665	12.384	13.102	12.436	9.874	8.145	4.531	4.426

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CANDELA TABULATION - (Cont.)

166	5.874	9.207	10.373	11.873	12.509	11.915	9.269	8.155	4.572	4.437
167	5.874	9.186	10.123	11.425	11.957	11.415	8.790	8.197	4.645	4.531
168	5.895	9.155	9.884	10.988	11.436	10.853	8.478	8.238	4.749	4.656
169	5.957	9.124	9.686	10.571	10.967	10.301	8.395	8.155	4.874	4.801
170	6.041	9.019	9.499	10.196	10.488	9.749	8.290	7.999	4.989	4.937
171	6.082	8.842	9.342	9.863	10.061	9.228	8.259	7.884	5.062	5.041
172	6.103	8.342	9.228	9.592	9.707	8.676	8.207	7.686	5.145	5.135
173	6.093	7.811	9.134	9.363	9.394	8.270	8.134	7.499	5.218	5.208
174	6.051	7.405	9.040	9.197	9.165	7.915	8.040	7.176	5.280	5.270
175	5.978	7.020	8.832	9.061	8.999	7.572	7.811	6.864	5.280	5.280
176	5.895	6.634	8.165	8.894	8.863	7.311	7.363	6.562	5.280	5.291
177	5.791	6.249	7.322	8.436	8.551	6.791	6.822	6.259	5.301	5.312
178	5.687	5.926	6.645	7.343	7.874	6.259	6.270	5.937	5.343	5.343
179	5.582	5.603	5.968	6.249	6.770	5.687	5.728	5.603	5.395	5.395
180	5.489	5.489	5.489	5.489	5.489	5.489	5.489	5.489	5.489	5.489

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716	1817.716
1	1817.695	1817.716	1817.487	1817.497	1817.247	1816.591	1817.279
2	1817.039	1817.477	1817.039	1816.362	1815.925	1815.269	1815.946
3	1816.341	1815.904	1815.904	1814.998	1814.321	1813.217	1813.925
4	1814.560	1814.550	1814.342	1812.998	1811.873	1810.321	1811.280
5	1811.613	1811.832	1811.613	1810.467	1809.113	1807.093	1808.363
6	1809.353	1809.363	1808.926	1807.343	1805.333	1802.656	1804.416
7	1805.385	1805.822	1805.176	1803.604	1801.146	1798.042	1799.677
8	1801.333	1802.010	1801.562	1799.094	1796.188	1793.064	1794.845
9	1796.667	1797.344	1796.511	1794.699	1790.897	1786.846	1788.950
10	1791.397	1792.512	1791.428	1788.929	1785.138	1780.430	1782.586
11	1785.075	1786.648	1786.002	1783.055	1778.784	1773.639	1775.910
12	1778.753	1780.326	1780.118	1776.754	1771.400	1765.578	1768.140
13	1771.900	1773.712	1773.056	1769.234	1764.318	1757.392	1759.610
14	1763.526	1766.224	1765.786	1761.527	1755.725	1748.341	1750.955
15	1755.392	1758.319	1757.663	1753.861	1746.727	1738.905	1741.644
16	1746.362	1749.726	1749.310	1744.998	1737.624	1729.136	1731.615
17	1737.384	1740.749	1740.790	1735.593	1727.334	1718.606	1721.366
18	1727.230	1731.458	1731.042	1726.063	1717.356	1707.774	1710.180
19	1716.690	1721.189	1721.012	1716.252	1706.170	1695.432	1698.640
20	1705.723	1711.597	1711.149	1705.483	1694.995	1683.372	1686.142
21	1693.954	1700.453	1700.026	1694.151	1682.768	1670.238	1673.196
22	1682.059	1688.340	1688.611	1682.257	1670.207	1656.813	1659.490
23	1669.447	1676.383	1677.102	1670.072	1657.334	1642.357	1645.107
24	1655.709	1663.583	1664.531	1657.261	1643.628	1628.193	1630.911
25	1641.826	1650.585	1651.752	1644.034	1629.526	1613.195	1615.122
26	1627.693	1637.150	1638.535	1630.380	1614.736	1597.051	1599.499
27	1612.841	1623.381	1624.558	1616.861	1600.311	1581.095	1583.231
28	1597.228	1608.289	1610.581	1601.717	1584.085	1564.161	1565.681
29	1581.585	1593.469	1595.999	1586.834	1568.566	1547.246	1548.434
30	1565.275	1578.294	1581.314	1571.316	1552.121	1529.332	1530.228
31	1548.298	1562.234	1565.442	1555.026	1534.665	1511.002	1511.700
32	1531.113	1546.372	1549.798	1539.112	1517.970	1492.723	1492.807
33	1513.304	1529.655	1533.155	1522.219	1499.899	1473.935	1473.768
34	1495.285	1512.491	1516.709	1505.544	1482.298	1454.333	1453.406
35	1477.007	1495.192	1499.754	1488.193	1463.415	1434.347	1432.274
36	1458.426	1477.757	1482.787	1471.237	1445.053	1414.194	1411.527

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CANDELA TABULATION - (Cont.)

37	1439.263	1460.135	1465.717	1453.229	1425.629	1393.697	1389.958
38	1419.359	1441.596	1447.324	1434.545	1406.590	1375.928	1368.700
39	1399.748	1423.078	1429.837	1416.662	1386.573	1358.171	1345.339
40	1380.094	1404.560	1411.288	1397.925	1369.825	1340.319	1322.384
41	1362.483	1385.583	1392.843	1379.157	1353.078	1317.094	1299.252
42	1344.871	1369.513	1375.397	1363.024	1336.216	1293.982	1275.381
43	1327.144	1353.442	1359.087	1346.891	1314.469	1270.548	1251.603
44	1305.158	1337.361	1342.777	1330.748	1292.930	1246.802	1226.638
45	1282.880	1316.510	1326.373	1310.011	1270.778	1222.389	1202.215
46	1260.081	1295.670	1306.574	1289.452	1248.593	1197.955	1176.386
47	1238.230	1275.266	1286.348	1269.163	1226.180	1173.376	1150.566
48	1214.349	1253.343	1265.424	1247.604	1203.350	1147.984	1124.945
49	1191.748	1232.804	1245.365	1227.003	1180.552	1122.748	1097.970
50	1168.439	1211.109	1224.357	1205.329	1157.586	1097.293	1071.349
51	1144.619	1189.279	1203.527	1183.895	1134.434	1071.120	1043.999
52	1121.238	1167.960	1182.468	1162.627	1110.958	1045.166	1017.076
53	1096.658	1145.869	1161.638	1140.735	1087.576	1018.836	989.643
54	1073.245	1124.383	1140.766	1119.227	1063.986	992.622	961.043
55	1048.821	1102.449	1119.144	1097.356	1040.104	965.584	933.224
56	1024.617	1079.796	1098.158	1075.734	1016.535	938.838	904.479
57	1000.516	1058.226	1076.921	1053.894	992.903	911.904	875.889
58	975.655	1036.282	1055.008	1031.803	968.677	884.211	846.425
59	951.492	1014.431	1034.074	1009.942	944.993	857.475	816.981
60	927.621	992.434	1013.056	988.237	921.132	829.823	788.215
61	902.937	969.729	991.111	966.407	896.969	802.317	758.084
62	879.326	948.524	970.916	944.754	873.764	775.310	727.557
63	854.382	925.965	949.024	922.882	849.747	747.325	697.624
64	830.635	904.364	928.079	901.239	826.261	719.975	667.722
65	806.389	882.878	907.009	880.024	802.723	692.437	638.185
66	782.518	861.329	886.169	858.256	779.341	664.879	608.648
67	759.073	839.853	865.370	837.124	755.897	637.644	579.100
68	735.316	818.523	844.790	816.263	732.973	610.158	548.365
69	712.237	797.245	824.397	794.755	709.852	583.360	517.141
70	688.990	776.560	804.192	774.581	687.449	556.229	485.698
71	665.837	755.105	783.538	753.397	664.681	529.702	454.869
72	643.476	734.712	763.729	733.171	642.716	503.601	423.311
73	620.823	714.070	743.742	712.903	620.667	477.334	392.535
74	598.952	694.031	723.797	692.687	598.962	451.724	361.800
75	577.288	674.138	704.821	673.117	577.819	426.436	330.742
76	555.625	653.964	685.012	653.235	556.552	401.940	300.965
77	535.013	635.019	666.410	634.290	536.055	377.381	270.168
78	513.641	615.001	647.069	614.678	515.464	353.811	241.516
79	494.019	596.577	628.885	596.285	495.905	331.190	212.770
80	474.033	577.653	610.387	577.705	476.293	308.756	184.503
81	454.348	559.020	592.234	559.155	457.056	287.665	157.508
82	435.862	541.575	574.643	541.752	438.538	266.658	131.543
83	417.083	523.067	556.729	523.932	420.124	247.275	107.525
84	399.148	506.080	539.752	506.486	402.231	228.195	84.310
85	381.609	488.864	522.692	489.635	385.213	210.614	63.199
86	364.404	471.950	506.007	472.564	368.247	193.585	45.576
87	348.146	455.744	489.656	456.442	351.666	177.609	28.006
88	332.075	439.642	474.002	440.559	336.241	163.496	14.717
89	316.432	423.572	457.931	424.884	320.421	149.384	5.249
90	301.705	408.449	442.788	409.355	305.829	135.282	2.802
91	286.821	393.160	427.384	394.524	291.279	123.304	0.479
92	273.365	378.922	413.000	380.068	277.490	112.577	0.469

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CANDELA TABULATION - (Cont.)

93	259.659	364.362	398.294	365.664	264.262	102.682	0.490
94	246.984	350.489	384.390	351.957	251.243	93.632	0.542
95	234.621	337.106	370.580	338.230	238.902	85.456	0.604
96	222.685	323.618	357.030	325.336	226.966	78.040	0.635
97	211.468	311.047	344.000	312.401	215.718	71.364	0.677
98	200.480	298.361	331.065	299.924	204.625	65.448	0.739
99	190.242	286.478	318.837	287.905	194.429	60.147	0.802
100	180.285	274.542	306.516	276.208	184.264	55.294	0.864
101	171.110	263.377	294.893	264.741	174.870	51.117	0.917
102	162.184	252.202	283.374	253.837	165.923	47.253	0.969
103	153.789	241.745	272.230	243.088	157.476	43.868	1.021
104	145.395	231.330	261.252	232.777	149.030	40.838	1.062
105	137.042	221.446	250.744	223.008	140.614	37.984	1.114
106	129.866	211.947	240.755	213.218	133.188	35.557	1.146
107	123.159	202.553	230.632	204.032	126.314	33.203	1.146
108	116.743	193.773	221.227	195.127	119.815	31.214	1.187
109	110.765	185.139	211.926	186.503	113.618	29.287	1.250
110	104.901	176.848	202.897	178.202	107.807	27.569	1.323
111	99.735	169.172	194.658	170.485	102.360	26.048	1.375
112	94.507	161.444	185.993	162.673	97.069	24.538	1.437
113	89.757	154.091	178.244	155.331	92.163	23.278	1.500
114	85.248	146.738	170.422	147.978	87.518	22.018	1.552
115	80.894	139.385	163.059	140.635	83.050	20.924	1.625
116	76.853	133.167	155.831	134.282	78.926	19.914	1.698
117	72.947	126.877	148.603	128.043	74.957	18.935	1.750
118	69.260	121.117	141.395	122.242	71.187	18.081	1.823
119	65.813	115.451	134.896	116.410	67.656	17.258	1.875
120	62.522	110.140	129.001	111.150	64.230	16.508	1.958
121	59.408	104.932	122.971	105.880	61.074	15.821	2.031
122	56.419	99.943	117.326	100.860	57.981	15.175	2.093
123	53.544	95.184	111.941	96.121	55.044	14.571	2.187
124	50.930	90.736	106.744	91.476	52.336	13.998	2.250
125	48.326	86.279	101.631	87.101	49.618	13.467	2.354
126	45.931	82.165	96.933	82.863	47.180	12.925	2.427
127	43.598	78.051	92.132	78.790	44.712	12.384	2.520
128	41.327	74.176	87.737	74.947	42.546	11.977	2.635
129	39.244	70.510	83.477	71.239	40.421	11.602	2.729
130	37.203	66.865	79.290	67.604	38.348	11.238	2.843
131	35.328	63.522	75.405	64.261	36.505	10.915	2.958
132	33.485	60.137	71.479	60.908	34.536	10.603	3.062
133	31.745	57.012	67.865	57.783	32.880	10.321	3.177
134	30.100	54.034	64.397	54.856	31.235	10.061	3.312
135	28.444	51.034	60.928	51.898	29.673	9.832	3.427
136	26.913	48.253	57.648	49.263	28.319	9.634	3.541
137	25.455	45.535	54.513	46.649	26.913	9.436	3.666
138	24.048	42.941	51.430	44.087	25.621	9.259	3.822
139	22.747	40.525	48.691	41.817	24.444	9.103	3.979
140	21.455	38.151	45.889	39.536	23.309	8.957	4.114
141	20.237	35.849	43.243	37.442	22.278	8.811	4.260
142	19.070	33.651	40.733	35.401	21.341	8.707	4.437
143	17.966	31.579	38.317	33.526	20.414	8.624	4.583
144	16.893	29.548	36.078	31.745	19.653	8.572	4.666
145	15.862	27.663	33.859	30.027	18.851	8.540	4.739
146	14.904	25.819	31.797	28.392	18.122	8.488	4.822
147	14.050	24.069	29.787	26.850	17.456	8.478	4.906
148	13.186	22.465	27.902	25.382	16.841	8.447	5.020

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CANDELA TABULATION - (Cont.)

149	12.331	20.955	26.152	23.996	16.279	8.436	5.114
150	11.592	19.539	24.403	22.674	15.675	8.426	5.208
151	10.967	18.258	22.851	21.413	15.123	8.415	5.280
152	10.332	17.039	21.341	20.247	14.592	8.426	5.353
153	9.478	15.873	19.914	19.122	14.050	8.415	5.447
154	9.082	14.852	18.633	18.081	13.560	8.436	5.530
155	8.572	13.904	17.383	17.050	13.071	8.426	5.603
156	8.228	12.956	16.237	16.133	12.581	8.436	5.676
157	7.613	12.019	15.164	15.196	12.113	8.405	5.739
158	7.280	11.259	14.227	14.331	11.696	8.374	5.801
159	6.926	10.644	13.290	13.550	11.280	8.332	5.853
160	6.634	10.009	12.342	12.769	10.853	8.249	5.885
161	6.426	9.405	11.613	11.988	10.457	8.155	5.905
162	6.280	8.853	10.967	11.332	10.061	8.040	5.916
163	6.114	8.145	10.363	10.738	9.696	7.936	5.916
164	5.999	7.582	9.842	10.207	9.363	7.822	5.916
165	6.051	6.947	9.374	9.717	9.051	7.707	5.895
166	6.176	6.728	8.988	9.301	8.749	7.603	5.874
167	6.322	6.468	8.603	8.905	8.457	7.509	5.874
168	6.437	6.270	8.155	8.551	8.207	7.426	5.895
169	6.384	6.197	7.686	8.197	7.957	7.343	5.957
170	6.280	6.187	7.218	7.884	7.718	7.301	6.041
171	6.218	6.270	6.801	7.634	7.541	7.311	6.082
172	5.989	6.478	6.468	7.447	7.436	7.374	6.103
173	5.728	6.666	6.093	7.384	7.436	7.457	6.093
174	5.489	6.655	5.739	7.447	7.520	7.405	6.051
175	5.353	6.405	5.760	7.520	7.520	6.843	5.978
176	5.270	5.874	5.832	7.166	7.103	5.957	5.895
177	5.187	5.385	5.385	6.634	6.072	5.395	5.791
178	5.145	5.145	5.020	5.822	5.249	5.145	5.687
179	5.260	5.103	4.853	4.718	5.020	5.187	5.582
180	5.489	5.489	5.489	5.489	5.489	5.489	5.489

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	666.45	N.A.	10.30
0-30	1420.46	N.A.	21.90
0-40	2340.07	N.A.	36.00
0-60	4239.76	N.A.	65.20
0-80	5589.31	N.A.	86.00
0-90	5961.04	N.A.	91.70
10-90	5788.95	N.A.	89.10
20-40	1673.62	N.A.	25.80
20-50	2651.17	N.A.	40.80
40-70	2674.97	N.A.	41.20
60-80	1349.55	N.A.	20.80
70-80	574.27	N.A.	8.80
80-90	371.73	N.A.	5.70
90-110	365.70	N.A.	5.60
90-120	446.29	N.A.	6.90
90-130	491.86	N.A.	7.60
90-150	528.87	N.A.	8.10
90-180	538.07	N.A.	8.30
110-180	172.38	N.A.	2.70
0-180	6499.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	172.10
10-20	494.35
20-30	754.01
30-40	919.61
40-50	977.55
50-60	922.14
60-70	775.28
70-80	574.26
80-90	371.73
90-100	228.04
100-110	137.66
110-120	80.60
120-130	45.57
130-140	24.54
140-150	12.47
150-160	5.97
160-170	2.55
170-180	0.68

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL4HT6499LMWT40120-277V_P.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	94	94	94	92
1	105	99	94	90	101	96	92	87	90	87	83	85	82	79	80	78	75	72
2	95	85	78	72	91	83	76	70	78	72	67	73	68	64	69	65	62	59
3	86	74	66	59	83	72	64	58	68	61	56	64	58	53	60	56	52	49
4	78	66	56	49	75	64	55	48	60	53	47	57	50	45	54	48	44	41
5	72	58	49	42	69	57	48	41	54	46	40	51	44	39	48	42	38	35
6	66	52	43	37	64	51	42	36	48	41	35	46	39	34	44	38	33	31
7	61	47	38	32	59	46	38	32	44	36	31	42	35	30	40	34	29	27
8	57	43	34	28	55	42	34	28	40	33	27	38	32	27	36	31	26	24
9	53	40	31	26	51	39	31	25	37	30	25	35	29	24	34	28	24	22
10	50	36	28	23	48	36	28	23	34	27	22	33	26	22	31	25	21	20

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UGR TABLE - CORRECTED

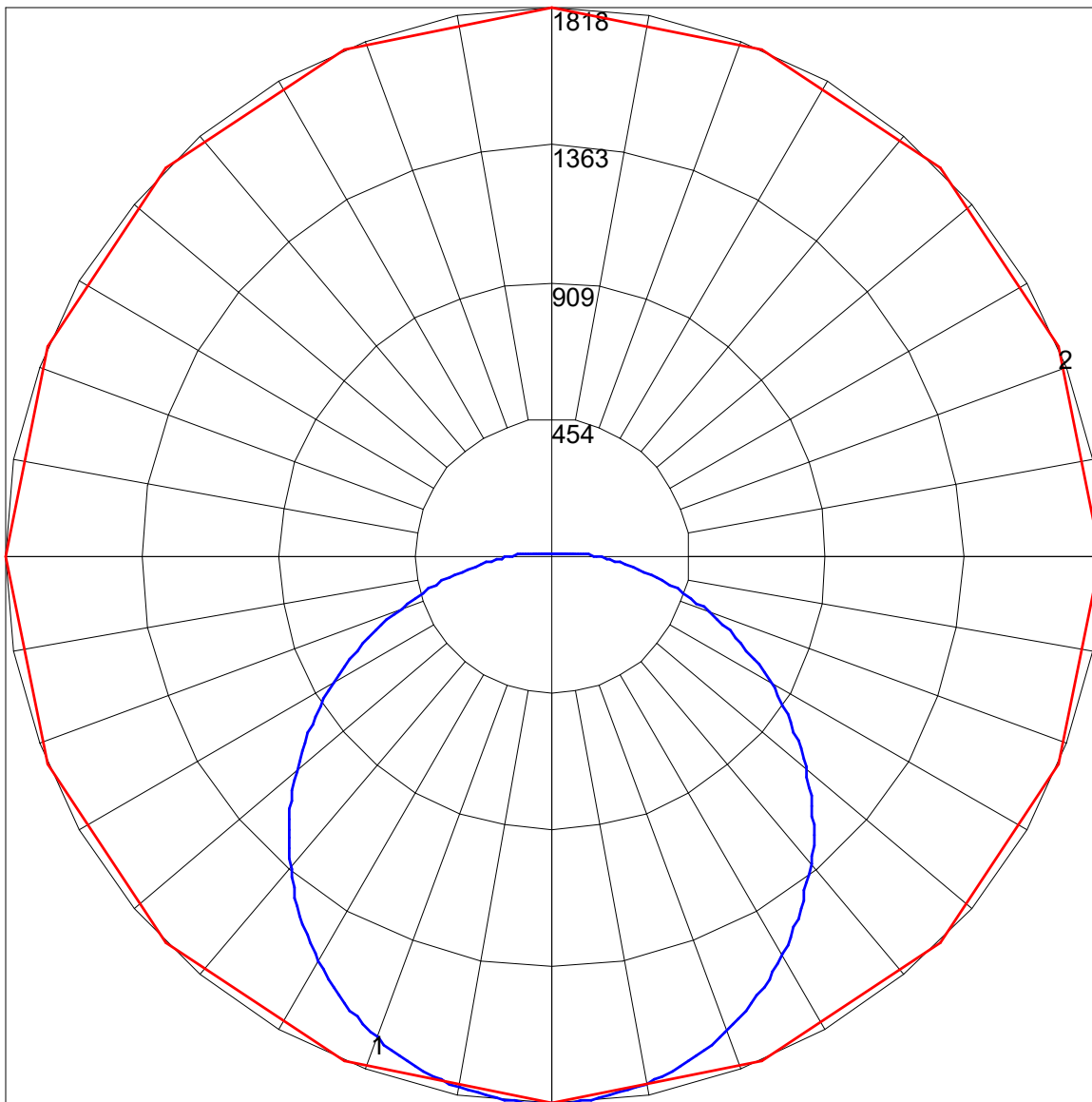
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	17.9	19.4	18.3	19.9	20.4	19.9	21.5	20.4	22.0	22.5
	3H	19.4	20.8	19.9	21.2	21.8	22.4	23.8	22.9	24.3	24.9
	4H	19.8	21.2	20.4	21.7	22.2	23.7	25.0	24.2	25.5	26.0
	6H	20.1	21.3	20.6	21.9	22.4	24.9	26.2	25.5	26.7	27.3
	8H	20.2	21.3	20.7	21.9	22.5	25.6	26.8	26.1	27.3	27.9
	12H	20.2	21.3	20.7	21.8	22.5	26.3	27.4	26.9	28.0	28.6
4H	2H	18.7	20.1	19.3	20.6	21.1	20.4	21.7	20.9	22.2	22.8
	3H	20.5	21.6	21.0	22.2	22.7	23.1	24.2	23.6	24.8	25.3
	4H	21.1	22.1	21.6	22.7	23.3	24.5	25.5	25.0	26.1	26.7
	6H	21.5	22.4	22.1	23.0	23.6	25.9	26.8	26.5	27.4	28.1
	8H	21.6	22.4	22.2	23.0	23.7	26.7	27.5	27.3	28.1	28.8
	12H	21.6	22.4	22.2	23.0	23.7	27.5	28.3	28.1	28.9	29.6
8H	4H	21.8	22.7	22.4	23.2	23.9	24.7	25.5	25.2	26.1	26.8
	6H	22.4	23.1	23.0	23.7	24.4	26.3	27.0	26.9	27.7	28.3
	8H	22.6	23.2	23.2	23.8	24.5	27.2	27.9	27.8	28.5	29.1
	12H	22.7	23.3	23.3	23.9	24.6	28.2	28.8	28.8	29.4	30.1
12H	4H	22.0	22.8	22.6	23.4	24.0	24.7	25.5	25.3	26.1	26.7
	6H	22.7	23.4	23.3	23.9	24.6	26.3	27.0	27.0	27.6	28.3
	8H	23.0	23.5	23.6	24.2	24.9	27.3	27.9	27.9	28.5	29.2

Maximum UGR = 30.1

POLAR GRAPH



Maximum Candela = 1817.956 Located At Horizontal Angle = 157.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)