



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SWLSEL4HT4208LMWT50120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] DG3211126-60857E-10
 [TESTLAB] BACL
 [TESTDATE] 2021-12-02
 [ISSUEDATE] 2021-12-02 13:13:57
 [LAMPPOSITION] 0,0
 [OTHER]
 [MANUFAC] BEGHELLI
 [LUMCAT] SWLSEL4HT4208LMWT50120-277V_P
 [LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4208
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	29
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	7721	6120	5918
55	7258	5503	5391
65	6542	4859	4903
75	5205	4252	4490
85	2289	3742	4254

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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	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940
1	1176.657	1176.502	1176.522	1176.664	1176.664	1176.664	1177.089	1177.095	1176.799	1177.068
2	1175.794	1175.639	1175.929	1175.935	1176.077	1176.367	1176.947	1176.812	1176.360	1176.495
3	1174.486	1174.337	1174.627	1174.776	1175.207	1175.497	1176.225	1176.232	1175.477	1175.760
4	1172.773	1173.049	1172.914	1173.346	1173.784	1174.216	1174.796	1174.944	1174.175	1174.749
5	1170.884	1170.878	1170.878	1171.599	1172.038	1172.752	1173.481	1173.777	1172.402	1172.968
6	1168.329	1168.464	1168.605	1169.266	1170.136	1170.777	1171.781	1171.795	1170.514	1170.952
7	1165.260	1165.402	1165.982	1166.987	1167.587	1168.585	1169.165	1169.455	1167.513	1168.376
8	1162.131	1162.131	1162.887	1163.905	1164.923	1165.867	1166.596	1166.892	1164.748	1165.611
9	1158.314	1158.746	1159.454	1160.749	1162.212	1162.630	1163.662	1163.520	1161.302	1162.165
10	1154.194	1154.484	1155.475	1157.047	1158.503	1159.070	1160.101	1159.960	1157.721	1158.321
11	1149.871	1150.013	1151.288	1153.162	1154.889	1155.732	1156.494	1156.487	1153.210	1154.369
12	1144.841	1145.131	1146.695	1148.422	1150.606	1151.456	1152.063	1151.780	1148.698	1150.000
13	1139.318	1139.891	1141.718	1144.153	1146.338	1147.187	1147.666	1147.241	1143.404	1144.841
14	1133.714	1134.307	1136.276	1139.581	1141.476	1142.615	1142.811	1142.089	1137.834	1139.716
15	1127.685	1128.265	1130.659	1134.139	1136.324	1137.315	1137.328	1136.472	1132.129	1134.017
16	1121.191	1121.771	1124.752	1128.407	1130.881	1131.866	1131.711	1130.854	1125.844	1128.022
17	1114.555	1114.987	1118.264	1122.034	1125.257	1125.945	1125.514	1124.158	1119.148	1121.636
18	1107.313	1108.182	1111.595	1115.803	1119.154	1119.842	1119.134	1117.731	1111.864	1114.474
19	1099.841	1100.434	1104.683	1109.720	1112.384	1113.618	1112.505	1110.914	1104.460	1107.522
20	1091.748	1092.753	1097.143	1102.504	1106.126	1106.962	1105.701	1103.536	1096.941	1100.003
21	1083.366	1084.074	1089.341	1095.269	1099.052	1099.874	1098.040	1095.592	1088.579	1091.755
22	1074.491	1075.786	1081.053	1087.830	1091.910	1092.443	1090.177	1087.284	1079.772	1083.373
23	1065.179	1066.750	1072.745	1079.711	1084.074	1084.742	1082.267	1078.956	1070.553	1074.593
24	1055.987	1056.992	1063.702	1071.207	1076.171	1076.386	1073.527	1069.791	1060.937	1065.158
25	1045.764	1047.470	1054.443	1062.737	1067.836	1068.031	1064.733	1060.438	1051.125	1055.913
26	1035.648	1037.395	1045.218	1053.897	1059.312	1059.480	1055.798	1050.451	1040.956	1045.770
27	1025.115	1027.010	1035.554	1044.840	1050.525	1050.565	1045.993	1040.194	1030.348	1035.433
28	1013.752	1016.072	1025.317	1035.176	1041.286	1041.320	1036.181	1029.674	1018.924	1024.764
29	1002.584	1005.093	1014.804	1025.358	1031.602	1031.366	1025.931	1019.120	1007.817	1013.772
30	990.797	993.562	1003.994	1015.424	1022.390	1021.912	1015.559	1007.588	995.558	1002.348
31	978.800	981.646	992.921	1005.221	1012.073	1011.365	1004.695	996.117	983.642	990.628
32	966.567	969.770	981.848	994.762	1002.045	1001.330	993.905	984.498	970.964	978.658
33	954.240	957.591	970.222	983.986	991.417	990.439	982.259	971.881	958.650	966.398
34	941.056	944.839	958.515	972.710	980.722	979.333	970.370	959.682	945.581	953.855
35	927.373	932.026	946.565	961.948	969.972	968.833	959.034	946.572	931.777	940.894
36	913.940	918.283	933.806	949.735	958.798	956.755	946.417	933.240	917.979	927.791
37	899.974	905.025	921.702	938.938	948.298	945.952	934.461	919.982	904.283	914.317
38	886.210	891.167	908.343	926.335	935.958	933.348	921.385	905.928	891.855	900.567
39	871.084	876.837	895.442	914.628	924.365	921.891	908.376	891.868	879.703	888.496
40	856.221	862.473	882.467	902.017	912.079	909.132	895.044	877.390	867.490	876.425
41	841.244	847.751	868.427	889.447	899.940	896.838	881.604	862.938	851.265	864.347
42	825.788	832.821	855.183	877.113	887.862	884.504	868.097	847.893	835.384	849.383
43	810.392	817.520	840.623	863.666	875.171	871.091	853.807	832.443	819.145	833.846
44	794.227	802.232	826.846	850.800	862.756	858.359	840.037	817.048	802.711	818.140
45	778.414	786.661	812.806	837.717	849.646	844.953	825.531	801.409	785.832	802.104
46	761.690	770.800	798.206	824.169	836.712	832.153	811.673	785.670	768.939	786.041
47	744.972	754.703	783.235	810.770	823.319	817.904	796.857	769.283	751.830	769.782
48	728.383	738.465	768.703	797.431	810.702	805.112	781.934	752.835	734.027	753.092
49	710.917	721.828	753.550	783.444	797.161	790.977	766.741	736.226	716.373	736.529
50	693.680	705.219	738.950	769.856	784.335	777.355	751.891	719.650	698.563	719.535
51	675.972	688.704	723.568	755.877	770.503	763.692	736.900	702.454	680.159	702.339
52	658.539	671.103	708.220	741.708	756.591	749.416	721.268	685.069	661.958	685.069
53	640.777	654.588	693.006	727.688	743.293	735.497	705.805	667.724	643.036	667.414

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CANDELA TABULATION - (Cont.)

54	622.259	637.021	677.179	713.291	729.010	720.769	689.890	650.326	624.302	650.285
55	604.247	619.737	662.046	699.332	715.840	706.837	674.515	632.887	605.440	632.374
56	585.634	601.846	646.711	685.143	702.056	692.925	659.315	615.070	585.931	614.517
57	567.123	584.265	630.621	670.523	687.267	677.981	642.807	596.809	566.591	596.653
58	548.046	566.887	615.340	656.941	674.394	664.535	627.755	579.221	546.812	578.297
59	528.981	548.666	598.899	642.092	660.030	649.402	611.321	560.892	527.154	560.434
60	510.356	530.930	583.800	628.200	646.731	635.638	595.932	542.988	507.334	542.037
61	490.846	513.363	568.283	613.958	632.914	621.288	580.462	524.706	487.131	523.897
62	471.081	494.744	552.294	599.014	618.563	606.769	564.473	506.046	467.001	505.622
63	451.700	477.022	536.892	585.594	605.117	592.891	548.882	488.075	446.521	487.185
64	432.339	458.747	521.004	571.311	591.434	578.628	532.987	469.591	426.067	468.599
65	413.214	440.917	506.107	557.622	578.304	565.215	517.807	451.545	405.547	450.601
66	394.089	423.855	490.172	543.237	564.244	550.413	501.353	433.114	384.992	432.170
67	374.958	406.801	475.356	529.757	551.175	537.094	486.807	415.716	364.363	414.084
68	355.057	389.746	460.123	516.067	537.667	522.899	471.391	398.358	343.485	395.593
69	334.840	371.505	444.909	502.479	524.193	509.439	455.888	380.993	322.897	377.884
70	314.481	353.857	427.463	488.965	511.543	496.100	441.321	363.170	301.850	359.670
71	294.520	336.175	415.541	475.343	498.076	482.221	427.585	345.043	281.289	341.941
72	274.087	318.460	403.652	461.937	485.411	468.916	413.861	327.409	260.620	324.617
73	254.160	301.196	389.187	449.029	472.389	455.793	400.138	309.909	240.079	307.043
74	234.259	284.256	375.133	435.771	459.563	442.319	385.714	292.632	219.727	290.150
75	214.150	267.269	360.742	424.085	446.919	431.826	371.498	275.692	199.631	273.143
76	194.870	250.956	347.262	412.425	434.342	419.533	357.633	259.157	179.582	256.823
77	174.929	234.826	333.532	400.759	423.242	407.206	344.011	242.938	160.032	240.605
78	156.377	219.329	320.442	388.485	412.155	395.006	330.585	227.307	140.645	224.872
79	137.765	204.162	307.373	376.232	401.076	382.497	317.286	212.106	122.221	209.861
80	119.463	189.178	294.635	364.053	389.322	370.251	304.406	197.217	104.843	195.153
81	101.983	175.468	282.388	352.286	377.520	358.443	291.897	183.122	87.464	180.897
82	85.172	161.914	270.034	340.666	366.076	346.729	279.704	169.676	70.120	167.518
83	69.621	149.054	258.401	329.135	354.680	335.251	267.640	156.620	55.075	154.543
84	54.589	136.868	246.822	318.143	343.553	323.861	256.054	144.205	41.345	142.209
85	40.920	125.074	235.487	306.753	332.230	312.687	244.523	132.559	28.997	130.563
86	29.510	114.358	224.703	296.145	321.656	301.776	233.544	121.607	20.352	119.625
87	18.134	104.114	214.183	285.571	311.015	291.162	222.923	111.290	11.714	109.395
88	9.529	94.727	203.906	275.132	300.434	280.635	212.632	101.761	3.143	100.325
89	3.399	85.920	194.256	265.152	290.669	270.533	202.625	92.819	0.344	91.254
90	1.814	77.929	184.613	255.137	280.372	260.445	192.941	84.605	0.169	82.191
91	0.310	70.653	175.752	245.946	271.106	251.071	183.858	77.194	0.175	74.699
92	0.303	63.889	166.830	236.195	261.045	241.299	174.592	70.120	0.182	67.949
93	0.317	58.029	158.609	227.468	252.143	232.337	166.371	63.997	0.202	61.738
94	0.351	52.620	150.551	218.445	243.087	223.281	157.996	58.406	0.229	56.100
95	0.391	47.724	142.843	209.793	234.016	214.568	150.187	53.247	0.243	51.090
96	0.411	43.543	135.674	201.769	225.708	206.273	142.715	48.736	0.263	46.544
97	0.438	40.017	128.385	193.285	217.023	197.931	135.371	44.555	0.290	42.512
98	0.479	36.496	121.904	185.584	209.072	190.129	128.540	41.217	0.317	38.884
99	0.519	32.983	115.437	178.045	201.114	182.205	121.877	37.879	0.344	35.701
100	0.560	30.326	109.449	170.667	193.373	174.841	115.788	34.541	0.378	32.821
101	0.593	27.979	103.771	163.654	185.982	167.653	109.752	31.890	0.398	30.292
102	0.627	25.895	98.241	156.593	178.463	160.525	104.108	29.598	0.425	28.053
103	0.661	24.048	93.210	150.140	171.591	153.909	98.807	27.554	0.452	25.990
104	0.688	22.395	88.267	143.490	164.517	147.179	93.594	25.653	0.472	24.203
105	0.722	20.952	83.688	137.394	157.928	141.069	88.955	24.075	0.492	22.530
106	0.742	19.610	79.311	131.399	151.461	134.825	84.302	22.551	0.472	21.040
107	0.742	18.471	75.259	125.755	145.358	129.120	80.080	21.229	0.486	19.739
108	0.769	17.378	71.347	120.218	139.289	123.475	76.014	20.035	0.519	18.491
109	0.809	16.434	67.672	114.918	133.503	118.026	72.089	18.902	0.553	17.392

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CANDELA TABULATION - (Cont.)

110	0.856	15.557	64.280	109.867	127.913	112.847	68.508	17.918	0.600	16.387
111	0.890	14.735	60.874	104.897	122.423	107.810	64.995	16.980	0.641	15.456
112	0.931	14.047	57.988	100.331	117.372	103.076	61.839	16.151	0.695	14.634
113	0.971	13.359	55.041	95.813	112.267	98.477	58.791	15.382	0.735	13.831
114	1.005	12.766	52.378	91.544	107.540	94.093	55.918	14.667	0.776	13.143
115	1.052	12.206	49.801	87.336	102.793	89.879	53.153	14.000	0.823	12.489
116	1.099	11.687	47.333	83.344	98.295	85.711	50.611	13.413	0.870	11.889
117	1.133	11.248	45.101	79.682	94.013	81.962	48.210	12.860	0.917	11.336
118	1.180	10.790	42.963	75.899	89.791	78.111	45.863	12.334	0.971	10.830
119	1.214	10.432	40.819	72.588	85.940	74.706	43.759	11.869	1.025	10.345
120	1.268	10.055	38.681	69.169	82.029	71.219	41.709	11.417	1.079	9.927
121	1.315	9.724	36.867	66.033	78.381	67.962	39.666	11.019	1.133	9.515
122	1.355	9.428	35.181	63.046	74.840	64.880	37.616	10.641	1.180	9.144
123	1.416	9.117	33.455	60.025	71.381	61.846	35.869	10.291	1.241	8.807
124	1.457	8.895	31.992	57.388	68.198	59.087	34.177	9.967	1.281	8.470
125	1.524	8.632	30.474	54.745	65.150	56.363	32.646	9.664	1.342	8.133
126	1.571	8.416	29.085	52.189	62.109	53.767	31.142	9.380	1.396	7.863
127	1.632	8.207	27.797	49.862	59.357	51.305	29.712	9.104	1.457	7.587
128	1.706	8.011	26.462	47.414	56.478	48.871	28.316	8.875	1.511	7.337
129	1.767	7.856	25.342	45.283	53.956	46.652	27.096	8.652	1.571	7.094
130	1.841	7.667	24.156	43.773	51.433	44.359	25.808	8.423	1.632	6.878
131	1.915	7.533	23.077	41.365	48.992	42.276	24.715	8.247	1.693	6.669
132	1.983	7.398	22.058	38.944	46.720	40.192	23.528	8.052	1.740	6.467
133	2.057	7.270	21.013	36.995	44.386	38.115	22.449	7.903	1.801	6.251
134	2.144	7.155	20.103	35.229	42.262	36.301	21.465	7.748	1.861	5.907
135	2.219	7.027	19.219	33.563	40.138	34.541	20.480	7.580	1.902	5.786
136	2.293	6.926	18.376	31.897	38.014	32.855	19.590	7.445	1.956	5.658
137	2.374	6.811	17.608	30.373	36.173	31.257	18.747	7.290	2.010	5.563
138	2.475	6.730	16.872	28.890	34.365	29.719	17.931	7.155	2.070	5.456
139	2.576	6.656	16.178	27.473	32.666	28.289	17.216	7.067	2.117	5.327
140	2.664	6.602	15.564	26.145	31.027	26.880	16.488	6.973	2.165	5.206
141	2.758	6.548	14.971	24.870	29.443	25.551	15.841	6.899	2.232	5.064
142	2.873	6.474	14.398	23.650	27.939	24.344	15.234	6.838	2.300	4.923
143	2.967	6.433	13.851	22.517	26.523	23.124	14.620	6.784	2.340	4.795
144	3.021	6.379	13.305	21.424	25.167	22.004	14.054	6.730	2.367	4.660
145	3.068	6.352	12.813	20.399	23.886	20.925	13.487	6.683	2.380	4.552
146	3.122	6.325	12.327	19.408	22.658	19.887	12.961	6.555	2.394	4.444
147	3.176	6.299	11.869	18.450	21.478	18.936	12.469	6.373	2.414	4.296
148	3.250	6.285	11.471	17.587	20.393	18.005	12.010	6.359	2.441	4.235
149	3.311	6.258	11.053	16.724	19.314	17.109	11.565	6.339	2.461	4.127
150	3.372	6.238	10.695	15.915	18.322	16.293	11.167	6.292	2.482	4.087
151	3.419	6.211	10.351	15.160	17.351	15.497	10.763	6.245	2.515	4.006
152	3.466	6.184	10.001	14.431	16.468	14.782	10.419	6.164	2.549	3.891
153	3.527	6.164	9.697	13.750	15.625	14.067	10.055	6.110	2.583	3.803
154	3.581	6.143	9.407	13.116	14.836	13.400	9.724	5.968	2.617	3.756
155	3.628	6.137	9.124	12.489	14.087	12.766	9.407	5.887	2.657	3.736
156	3.675	6.116	8.848	11.909	13.352	12.132	9.097	5.806	2.697	3.722
157	3.716	6.110	8.605	11.383	12.685	11.579	8.821	5.799	2.731	3.702
158	3.756	6.089	8.355	10.864	12.031	11.039	8.551	5.719	2.772	3.662
159	3.790	6.083	8.133	10.392	11.410	10.527	8.234	5.692	2.805	3.520
160	3.810	6.062	7.917	9.940	10.857	10.068	7.944	5.597	2.832	3.325
161	3.824	6.036	7.688	9.495	10.297	9.610	7.634	5.536	2.859	3.156
162	3.830	6.022	7.499	9.104	9.805	9.185	7.256	5.408	2.880	3.028
163	3.830	6.002	7.290	8.706	9.333	8.787	6.973	5.314	2.900	2.940
164	3.830	5.988	7.108	8.362	8.895	8.409	6.663	5.287	2.920	2.886
165	3.817	5.975	6.905	8.018	8.483	8.052	6.393	5.273	2.933	2.866

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CANDELA TABULATION - (Cont.)

166	3.803	5.961	6.717	7.688	8.099	7.715	6.002	5.280	2.960	2.873
167	3.803	5.948	6.555	7.398	7.742	7.391	5.692	5.307	3.008	2.933
168	3.817	5.928	6.400	7.114	7.404	7.027	5.489	5.334	3.075	3.014
169	3.857	5.907	6.272	6.845	7.101	6.669	5.435	5.280	3.156	3.109
170	3.911	5.840	6.150	6.602	6.791	6.312	5.368	5.179	3.230	3.196
171	3.938	5.725	6.049	6.386	6.514	5.975	5.348	5.105	3.277	3.264
172	3.952	5.402	5.975	6.211	6.285	5.617	5.314	4.977	3.331	3.325
173	3.945	5.058	5.914	6.062	6.083	5.354	5.267	4.855	3.379	3.372
174	3.918	4.795	5.853	5.955	5.934	5.125	5.206	4.646	3.419	3.412
175	3.871	4.545	5.719	5.867	5.826	4.903	5.058	4.444	3.419	3.419
176	3.817	4.296	5.287	5.759	5.739	4.734	4.768	4.248	3.419	3.426
177	3.749	4.046	4.741	5.462	5.536	4.397	4.417	4.053	3.432	3.439
178	3.682	3.837	4.302	4.754	5.098	4.053	4.060	3.844	3.459	3.459
179	3.615	3.628	3.864	4.046	4.383	3.682	3.709	3.628	3.493	3.493
180	3.554	3.554	3.554	3.554	3.554	3.554	3.554	3.554	3.554	3.554

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	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940	1176.940
1	1176.927	1176.940	1176.792	1176.799	1176.637	1176.212	1176.657
2	1176.502	1176.785	1176.502	1176.064	1175.780	1175.355	1175.794
3	1176.050	1175.767	1175.767	1175.180	1174.742	1174.027	1174.486
4	1174.897	1174.890	1174.755	1173.885	1173.157	1172.152	1172.773
5	1172.988	1173.130	1172.988	1172.247	1171.370	1170.062	1170.884
6	1171.525	1171.532	1171.249	1170.224	1168.922	1167.189	1168.329
7	1168.956	1169.239	1168.821	1167.803	1166.211	1164.202	1165.260
8	1166.333	1166.771	1166.481	1164.883	1163.001	1160.978	1162.131
9	1163.311	1163.750	1163.210	1162.037	1159.575	1156.952	1158.314
10	1159.899	1160.621	1159.919	1158.301	1155.846	1152.798	1154.194
11	1155.806	1156.824	1156.406	1154.498	1151.733	1148.401	1149.871
12	1151.712	1152.731	1152.596	1150.418	1146.951	1143.182	1144.841
13	1147.275	1148.449	1148.024	1145.549	1142.366	1137.881	1139.318
14	1141.853	1143.600	1143.317	1140.559	1136.802	1132.021	1133.714
15	1136.587	1138.481	1138.057	1135.595	1130.976	1125.911	1127.685
16	1130.740	1132.918	1132.648	1129.856	1125.082	1119.586	1121.191
17	1124.927	1127.105	1127.132	1123.767	1118.419	1112.768	1114.555
18	1118.352	1121.090	1120.820	1117.597	1111.959	1105.755	1107.313
19	1111.527	1114.441	1114.326	1111.244	1104.716	1097.764	1099.841
20	1104.426	1108.230	1107.940	1104.271	1097.480	1089.955	1091.748
21	1096.806	1101.014	1100.738	1096.934	1089.563	1081.451	1083.366
22	1089.105	1093.171	1093.347	1089.233	1081.431	1072.758	1074.491
23	1080.938	1085.430	1085.895	1081.343	1073.096	1063.398	1065.179
24	1072.044	1077.142	1077.755	1073.048	1064.221	1054.227	1055.987
25	1063.054	1068.726	1069.481	1064.484	1055.090	1044.516	1045.764
26	1053.903	1060.026	1060.923	1055.643	1045.514	1034.064	1035.648
27	1044.287	1051.111	1051.873	1046.890	1036.174	1023.732	1025.115
28	1034.178	1041.340	1042.824	1037.085	1025.668	1012.767	1013.752
29	1024.049	1031.744	1033.382	1027.448	1015.620	1001.816	1002.584
30	1013.489	1021.918	1023.874	1017.400	1004.972	990.217	990.797
31	1002.497	1011.520	1013.597	1006.853	993.669	978.348	978.800
32	991.370	1001.249	1003.468	996.549	982.859	966.513	966.567
33	979.838	990.426	992.692	985.611	971.159	954.347	954.240
34	968.172	979.312	982.043	974.814	959.763	941.656	941.056
35	956.337	968.111	971.065	963.579	947.536	928.715	927.373
36	944.306	956.822	960.080	952.601	935.647	915.666	913.940

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CANDELA TABULATION - (Cont.)

37	931.898	945.412	949.027	940.941	923.071	902.395	899.974
38	919.011	933.409	937.118	928.843	910.743	890.890	886.210
39	906.313	921.418	925.795	917.264	897.782	879.392	871.084
40	893.588	909.428	913.785	905.133	886.938	867.834	856.221
41	882.184	897.142	901.842	892.981	876.095	852.796	841.244
42	870.781	886.736	890.546	882.535	865.177	837.832	825.788
43	859.303	876.331	879.986	872.089	851.096	822.658	810.392
44	845.067	865.919	869.425	861.636	837.150	807.283	794.227
45	830.643	852.418	858.804	848.210	822.807	791.476	778.414
46	815.881	838.924	845.985	834.898	808.443	775.656	761.690
47	801.733	825.713	832.889	821.762	793.931	759.741	744.972
48	786.270	811.518	819.341	807.802	779.149	743.300	728.383
49	771.636	798.220	806.352	794.463	764.387	726.960	710.917
50	756.544	784.173	792.751	780.430	749.517	710.479	693.680
51	741.122	770.038	779.263	766.552	734.526	693.532	675.972
52	725.982	756.234	765.628	752.781	719.326	676.727	658.539
53	710.067	741.931	752.141	738.606	704.187	659.679	640.777
54	694.908	728.019	738.626	724.681	688.913	642.706	622.259
55	679.094	713.817	724.627	710.519	673.450	625.199	604.247
56	663.422	699.149	711.038	696.519	658.189	607.882	585.634
57	647.817	685.183	697.288	682.378	642.888	590.443	567.123
58	631.720	670.975	683.100	668.075	627.202	572.511	548.046
59	616.075	656.827	669.545	653.920	611.867	555.201	528.981
60	600.619	642.584	655.936	639.866	596.417	537.296	510.356
61	584.636	627.883	641.728	625.732	580.772	519.486	490.846
62	569.349	614.153	628.652	611.712	565.748	502.000	471.081
63	553.198	599.546	614.477	597.550	550.197	483.880	451.700
64	537.822	585.560	600.915	583.537	534.990	466.172	432.339
65	522.123	571.648	587.273	569.800	519.749	448.341	413.214
66	506.667	557.696	573.779	555.706	504.610	430.498	394.089
67	491.487	543.790	560.312	542.024	489.430	412.863	374.958
68	476.105	529.980	546.987	528.516	474.588	395.067	355.057
69	461.161	516.202	533.783	514.591	459.617	377.716	334.840
70	446.109	502.810	520.700	501.528	445.111	360.149	314.481
71	431.118	488.918	507.328	487.812	430.370	342.973	294.520
72	416.640	475.714	494.501	474.716	416.148	326.073	274.087
73	401.972	462.348	481.560	461.593	401.871	309.066	254.160
74	387.811	449.373	468.646	448.503	387.818	292.483	234.259
75	373.784	436.493	456.360	435.832	374.128	276.110	214.150
76	359.758	423.431	443.533	422.959	360.358	260.249	194.870
77	346.412	411.164	431.489	410.692	347.086	244.348	174.929
78	332.574	398.203	418.966	397.994	333.754	229.087	156.377
79	319.869	386.273	407.192	386.085	321.090	214.440	137.765
80	306.928	374.020	395.215	374.054	308.392	199.914	119.463
81	294.183	361.956	383.461	362.044	295.936	186.258	101.983
82	282.213	350.660	372.071	350.775	283.946	172.656	85.172
83	270.054	338.677	360.472	339.237	272.023	160.107	69.621
84	258.442	327.678	349.480	327.941	260.438	147.752	54.589
85	247.085	316.531	338.434	317.030	249.419	136.369	40.920
86	235.945	305.579	327.631	305.977	238.433	125.343	29.510
87	225.418	295.086	317.044	295.538	227.698	114.999	18.134
88	215.013	284.661	306.908	285.254	217.710	105.861	9.529
89	204.884	274.255	296.503	275.105	207.467	96.723	3.399
90	195.349	264.464	286.697	265.050	198.019	87.593	1.814
91	185.712	254.564	276.724	255.448	188.598	79.837	0.310
92	176.999	245.346	267.411	246.087	179.670	72.892	0.303

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CANDELA TABULATION - (Cont.)

93	168.125	235.918	257.889	236.761	171.105	66.485	0.317
94	159.918	226.936	248.886	227.886	162.676	60.625	0.351
95	151.913	218.270	239.944	218.998	154.685	55.331	0.391
96	144.185	209.537	231.171	210.650	146.957	50.530	0.411
97	136.922	201.398	222.734	202.274	139.673	46.207	0.438
98	129.808	193.184	214.359	194.195	132.492	42.377	0.479
99	123.179	185.489	206.442	186.413	125.890	38.944	0.519
100	116.732	177.761	198.464	178.840	119.308	35.802	0.560
101	110.791	170.532	190.938	171.416	113.225	33.098	0.593
102	105.011	163.296	183.480	164.355	107.432	30.596	0.627
103	99.576	156.526	176.264	157.396	101.963	28.404	0.661
104	94.141	149.782	169.156	150.719	96.494	26.442	0.688
105	88.732	143.382	162.352	144.394	91.045	24.594	0.722
106	84.086	137.232	155.885	138.055	86.237	23.023	0.742
107	79.743	131.150	149.330	132.107	81.786	21.499	0.742
108	75.589	125.465	143.241	126.341	77.578	20.211	0.769
109	71.718	119.874	137.219	120.758	73.566	18.963	0.809
110	67.922	114.506	131.372	115.383	69.803	17.850	0.856
111	64.577	109.536	126.038	110.386	66.276	16.866	0.890
112	61.191	104.533	120.427	105.328	62.850	15.888	0.931
113	58.116	99.772	115.410	100.574	59.674	15.072	0.971
114	55.196	95.011	110.346	95.813	56.666	14.256	1.005
115	52.378	90.250	105.578	91.059	53.773	13.548	1.052
116	49.761	86.224	100.898	86.945	51.103	12.894	1.099
117	47.232	82.151	96.218	82.906	48.534	12.260	1.133
118	44.845	78.421	91.551	79.150	46.093	11.707	1.180
119	42.613	74.753	87.343	75.373	43.806	11.174	1.214
120	40.482	71.314	83.526	71.968	41.588	10.689	1.268
121	38.465	67.942	79.622	68.555	39.544	10.244	1.315
122	36.530	64.712	75.967	65.305	37.542	9.825	1.355
123	34.669	61.630	72.480	62.237	35.640	9.434	1.416
124	32.976	58.750	69.115	59.229	33.887	9.063	1.457
125	31.290	55.864	65.804	56.397	32.127	8.719	1.524
126	29.739	53.200	62.763	53.652	30.549	8.369	1.571
127	28.229	50.537	59.654	51.015	28.950	8.018	1.632
128	26.759	48.028	56.808	48.527	27.548	7.755	1.706
129	25.410	45.654	54.050	46.126	26.172	7.512	1.767
130	24.088	43.294	51.339	43.773	24.830	7.276	1.841
131	22.874	41.129	48.824	41.608	23.636	7.067	1.915
132	21.681	38.938	46.281	39.437	22.362	6.865	1.983
133	20.554	36.914	43.941	37.413	21.290	6.683	2.057
134	19.489	34.986	41.696	35.519	20.224	6.514	2.144
135	18.417	33.044	39.450	33.603	19.213	6.366	2.219
136	17.425	31.243	37.326	31.897	18.336	6.238	2.293
137	16.481	29.483	35.296	30.205	17.425	6.110	2.374
138	15.571	27.804	33.300	28.546	16.589	5.995	2.475
139	14.728	26.239	31.526	27.076	15.827	5.894	2.576
140	13.892	24.702	29.712	25.599	15.092	5.799	2.664
141	13.103	23.211	27.999	24.243	14.425	5.705	2.758
142	12.348	21.789	26.374	22.921	13.818	5.638	2.873
143	11.633	20.447	24.810	21.708	13.217	5.584	2.967
144	10.938	19.132	23.360	20.554	12.725	5.550	3.021
145	10.271	17.911	21.923	19.442	12.206	5.530	3.068
146	9.650	16.717	20.588	18.383	11.734	5.496	3.122
147	9.097	15.584	19.287	17.385	11.302	5.489	3.176
148	8.537	14.546	18.066	16.434	10.904	5.469	3.250

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CANDELA TABULATION - (Cont.)

149	7.984	13.568	16.933	15.537	10.540	5.462	3.311
150	7.506	12.651	15.800	14.681	10.149	5.456	3.372
151	7.101	11.822	14.795	13.865	9.792	5.449	3.419
152	6.690	11.033	13.818	13.110	9.448	5.456	3.466
153	6.137	10.277	12.894	12.381	9.097	5.449	3.527
154	5.880	9.616	12.064	11.707	8.780	5.462	3.581
155	5.550	9.003	11.255	11.039	8.463	5.456	3.628
156	5.327	8.389	10.513	10.446	8.146	5.462	3.675
157	4.930	7.782	9.819	9.839	7.843	5.442	3.716
158	4.714	7.290	9.212	9.279	7.573	5.422	3.756
159	4.484	6.892	8.605	8.773	7.303	5.395	3.790
160	4.296	6.481	7.991	8.268	7.027	5.341	3.810
161	4.161	6.089	7.519	7.762	6.771	5.280	3.824
162	4.066	5.732	7.101	7.337	6.514	5.206	3.830
163	3.958	5.273	6.710	6.953	6.278	5.139	3.830
164	3.884	4.909	6.373	6.609	6.062	5.064	3.830
165	3.918	4.498	6.069	6.292	5.860	4.990	3.817
166	3.999	4.356	5.820	6.022	5.665	4.923	3.803
167	4.093	4.188	5.570	5.766	5.476	4.862	3.803
168	4.168	4.060	5.280	5.536	5.314	4.808	3.817
169	4.134	4.012	4.977	5.307	5.152	4.754	3.857
170	4.066	4.006	4.673	5.105	4.997	4.727	3.911
171	4.026	4.060	4.404	4.943	4.882	4.734	3.938
172	3.878	4.195	4.188	4.822	4.815	4.774	3.952
173	3.709	4.316	3.945	4.781	4.815	4.828	3.945
174	3.554	4.309	3.716	4.822	4.869	4.795	3.918
175	3.466	4.147	3.729	4.869	4.869	4.431	3.871
176	3.412	3.803	3.776	4.640	4.599	3.857	3.817
177	3.358	3.486	3.486	4.296	3.932	3.493	3.749
178	3.331	3.331	3.250	3.770	3.399	3.331	3.682
179	3.406	3.304	3.143	3.055	3.250	3.358	3.615
180	3.554	3.554	3.554	3.554	3.554	3.554	3.554

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	431.51	N.A.	10.30
0-30	919.72	N.A.	21.90
0-40	1515.16	N.A.	36.00
0-60	2745.17	N.A.	65.20
0-80	3618.98	N.A.	86.00
0-90	3859.67	N.A.	91.70
10-90	3748.24	N.A.	89.10
20-40	1083.64	N.A.	25.80
20-50	1716.59	N.A.	40.80
40-70	1732.00	N.A.	41.20
60-80	873.81	N.A.	20.80
70-80	371.83	N.A.	8.80
80-90	240.69	N.A.	5.70
90-110	236.78	N.A.	5.60
90-120	288.97	N.A.	6.90
90-130	318.47	N.A.	7.60
90-150	342.43	N.A.	8.10
90-180	348.39	N.A.	8.30
110-180	111.61	N.A.	2.70
0-180	4208.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.43
10-20	320.08
20-30	488.21
30-40	595.44
40-50	632.94
50-60	597.07
60-70	501.98
70-80	371.83
80-90	240.69
90-100	147.65
100-110	89.13
110-120	52.18
120-130	29.50
130-140	15.89
140-150	8.08
150-160	3.87
160-170	1.65
170-180	0.44

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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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SWLSEL4HT4208LMWT50120-277V_P.IES

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

X=2H	Y=2H	16.4	17.9	16.8	18.4	18.9	18.4	20.0	18.9	20.5	21.0
	3H	17.9	19.3	18.4	19.7	20.3	20.9	22.3	21.4	22.8	23.4
	4H	18.3	19.7	18.9	20.2	20.7	22.2	23.5	22.7	24.0	24.5
	6H	18.6	19.8	19.1	20.4	20.9	23.4	24.7	23.9	25.2	25.8
	8H	18.7	19.8	19.2	20.4	21.0	24.1	25.3	24.6	25.8	26.4
	12H	18.7	19.8	19.2	20.3	21.0	24.8	25.9	25.4	26.5	27.1

UGR Viewed Endwise

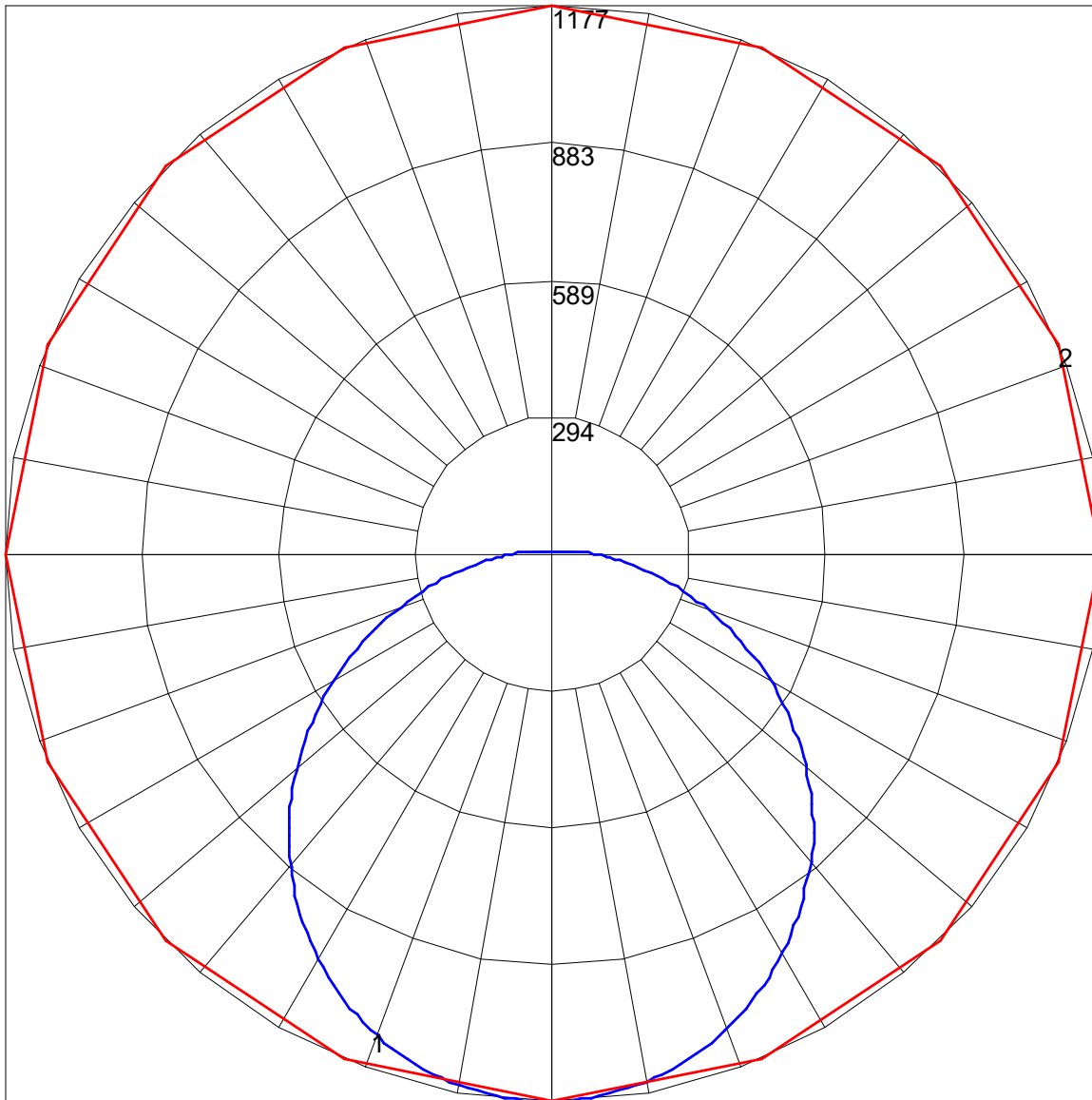
4H	2H	17.2	18.6	17.8	19.1	19.6	18.9	20.2	19.4	20.7	21.3
	3H	19.0	20.1	19.5	20.7	21.2	21.6	22.7	22.1	23.3	23.8
	4H	19.6	20.6	20.1	21.2	21.8	23.0	24.0	23.5	24.5	25.2
	6H	20.0	20.9	20.6	21.5	22.1	24.4	25.3	25.0	25.9	26.5
	8H	20.1	20.9	20.7	21.5	22.2	25.2	26.0	25.8	26.6	27.3
	12H	20.1	20.9	20.7	21.5	22.2	26.0	26.8	26.6	27.4	28.1

8H	4H	20.3	21.2	20.9	21.7	22.4	23.2	24.0	23.7	24.6	25.3
	6H	20.9	21.6	21.5	22.2	22.9	24.8	25.5	25.4	26.2	26.8
	8H	21.0	21.7	21.7	22.3	23.0	25.7	26.4	26.3	27.0	27.6
	12H	21.2	21.8	21.8	22.4	23.1	26.7	27.3	27.3	27.9	28.6

12H	4H	20.5	21.3	21.1	21.9	22.5	23.2	24.0	23.8	24.6	25.2
	6H	21.2	21.8	21.8	22.4	23.1	24.8	25.5	25.5	26.1	26.8
	8H	21.5	22.0	22.1	22.7	23.4	25.8	26.4	26.4	27.0	27.7

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 1177.095 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.)