



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SWLSEL4HT4820LMWT35120-277V_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] SWLSEL4HT4820LMWT35120-277V_P
 [LAMP] LED

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4820
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	34
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	8844	7010	6779
55	8313	6303	6176
65	7494	5566	5616
75	5962	4871	5143
85	2622	4286	4873

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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	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116
1	1347.792	1347.614	1347.637	1347.800	1347.800	1347.800	1348.286	1348.294	1347.954	1348.263
2	1346.803	1346.626	1346.958	1346.965	1347.128	1347.460	1348.124	1347.970	1347.452	1347.607
3	1345.305	1345.135	1345.467	1345.637	1346.131	1346.463	1347.298	1347.305	1346.440	1346.765
4	1343.343	1343.659	1343.505	1343.999	1344.501	1344.996	1345.660	1345.830	1344.949	1345.606
5	1341.180	1341.172	1341.172	1341.999	1342.501	1343.320	1344.154	1344.494	1342.918	1343.567
6	1338.252	1338.407	1338.569	1339.326	1340.322	1341.056	1342.207	1342.223	1340.755	1341.257
7	1334.738	1334.900	1335.564	1336.715	1337.403	1338.546	1339.210	1339.542	1337.318	1338.306
8	1331.154	1331.154	1332.019	1333.185	1334.352	1335.433	1336.267	1336.607	1334.151	1335.139
9	1326.782	1327.276	1328.087	1329.570	1331.246	1331.725	1332.907	1332.745	1330.204	1331.192
10	1322.062	1322.394	1323.530	1325.329	1326.998	1327.647	1328.829	1328.666	1326.102	1326.789
11	1317.111	1317.273	1318.733	1320.880	1322.858	1323.823	1324.696	1324.688	1320.934	1322.263
12	1311.348	1311.680	1313.472	1315.450	1317.953	1318.926	1319.621	1319.297	1315.767	1317.257
13	1305.022	1305.679	1307.772	1310.560	1313.063	1314.036	1314.585	1314.098	1309.703	1311.348
14	1298.603	1299.283	1301.538	1305.323	1307.494	1308.799	1309.023	1308.197	1303.323	1305.478
15	1291.697	1292.362	1295.104	1299.090	1301.592	1302.728	1302.743	1301.762	1296.788	1298.951
16	1284.259	1284.923	1288.337	1292.524	1295.359	1296.486	1296.309	1295.328	1289.589	1292.084
17	1276.658	1277.152	1280.906	1285.224	1288.917	1289.704	1289.210	1287.658	1281.918	1284.769
18	1268.362	1269.358	1273.267	1278.087	1281.926	1282.714	1281.903	1280.296	1273.576	1276.565
19	1259.803	1260.483	1265.349	1271.120	1274.171	1275.584	1274.310	1272.487	1265.095	1268.601
20	1250.534	1251.685	1256.714	1262.854	1267.002	1267.960	1266.516	1264.036	1256.482	1259.989
21	1240.933	1241.744	1247.776	1254.566	1258.900	1259.842	1257.741	1254.937	1246.904	1250.542
22	1230.767	1232.250	1238.283	1246.046	1250.719	1251.330	1248.734	1245.420	1236.816	1240.940
23	1220.100	1221.900	1228.767	1236.746	1241.744	1242.508	1239.674	1235.881	1226.256	1230.883
24	1209.572	1210.722	1218.408	1227.006	1232.691	1232.938	1229.663	1225.383	1215.241	1220.077
25	1197.861	1199.816	1207.803	1217.304	1223.143	1223.367	1219.590	1214.670	1204.002	1209.487
26	1186.275	1188.275	1197.236	1207.177	1213.380	1213.573	1209.355	1203.230	1192.354	1197.869
27	1174.209	1176.380	1186.167	1196.803	1203.315	1203.361	1198.124	1191.481	1180.203	1186.028
28	1161.194	1163.851	1174.441	1185.734	1192.732	1192.771	1186.885	1179.431	1167.118	1173.808
29	1148.402	1151.275	1162.399	1174.487	1181.640	1181.370	1175.144	1167.342	1154.396	1161.217
30	1134.900	1138.067	1150.016	1163.109	1171.089	1170.540	1163.264	1154.134	1140.353	1148.132
31	1121.158	1124.418	1137.333	1151.422	1159.270	1158.459	1150.820	1140.994	1126.704	1134.707
32	1107.146	1110.815	1124.649	1139.442	1147.784	1146.965	1138.461	1127.685	1112.182	1120.996
33	1093.026	1096.865	1111.333	1127.098	1135.610	1134.490	1125.121	1113.233	1098.078	1106.953
34	1077.925	1082.258	1097.923	1114.183	1123.360	1121.768	1111.503	1099.259	1083.108	1092.586
35	1062.252	1067.582	1084.235	1101.855	1111.047	1109.741	1098.518	1084.243	1067.296	1077.739
36	1046.865	1051.839	1069.621	1087.866	1098.247	1095.907	1084.065	1068.972	1051.492	1062.731
37	1030.868	1036.653	1055.756	1075.499	1086.221	1083.533	1070.370	1053.786	1035.803	1047.297
38	1015.102	1020.779	1040.454	1061.062	1072.085	1069.096	1055.393	1037.688	1021.567	1031.547
39	997.776	1004.365	1025.677	1047.653	1058.807	1055.972	1040.492	1021.583	1007.648	1017.721
40	980.752	987.912	1010.815	1033.208	1044.733	1041.357	1025.221	1004.999	993.659	1003.894
41	963.596	971.050	994.733	1018.810	1030.829	1027.276	1009.826	988.445	975.074	990.060
42	945.891	953.948	979.562	1004.682	1016.995	1013.148	994.354	971.212	956.883	972.919
43	928.257	936.421	962.885	989.279	1002.457	997.784	977.986	953.515	938.283	955.122
44	909.741	918.910	947.104	974.541	988.237	983.200	962.213	935.881	919.459	937.132
45	891.628	901.074	931.022	959.556	973.220	967.844	945.598	917.968	900.124	918.763
46	872.471	882.907	914.299	944.038	958.405	953.183	929.724	899.939	880.775	900.364
47	853.322	864.469	897.150	928.689	943.064	936.862	912.754	881.169	861.178	881.740
48	834.320	845.868	880.504	913.410	928.612	922.208	895.660	862.329	840.786	862.622
49	814.314	826.812	863.148	897.390	913.101	906.018	878.257	843.304	820.563	843.651
50	794.570	807.787	846.424	881.825	898.410	890.415	861.247	824.317	800.163	824.186
51	774.286	788.870	828.805	865.813	882.567	874.765	844.076	804.620	779.083	804.489
52	754.319	768.709	811.224	849.584	866.631	858.413	826.171	784.706	758.235	784.706
53	733.973	749.792	793.798	833.525	851.399	842.469	808.459	764.839	736.560	764.484

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CANDELA TABULATION - (Cont.)

54	712.761	729.670	775.669	817.033	835.039	825.599	790.229	744.910	715.102	744.864
55	692.129	709.872	758.335	801.043	819.953	809.641	772.618	724.935	693.497	724.348
56	670.810	689.380	740.770	784.791	804.164	793.705	755.207	704.527	671.150	703.894
57	649.607	669.242	722.340	768.045	787.225	776.588	736.298	683.609	648.996	683.432
58	627.754	649.336	704.836	752.488	772.479	761.186	719.057	663.464	626.341	662.406
59	605.917	628.465	686.004	735.479	756.026	743.852	700.232	642.469	603.824	641.944
60	584.583	608.150	668.709	719.566	740.793	728.087	682.605	621.961	581.122	620.872
61	562.236	588.028	650.935	703.253	724.966	711.649	664.885	601.020	557.980	600.093
62	539.596	566.701	632.621	686.135	708.528	695.018	646.571	579.647	534.922	579.160
63	517.396	546.401	614.978	670.764	693.126	679.122	628.712	559.061	511.463	558.042
64	495.219	525.468	596.779	654.403	677.453	662.784	610.506	537.889	488.035	536.753
65	473.313	505.044	579.716	638.723	662.414	647.421	593.118	517.218	464.530	516.137
66	451.406	485.502	561.463	622.247	646.308	630.466	574.271	496.107	440.986	495.026
67	429.492	465.967	544.493	606.806	631.338	615.210	557.609	476.178	417.357	474.309
68	406.697	446.432	527.044	591.125	615.866	598.950	539.951	456.296	393.442	453.129
69	383.540	425.537	509.617	575.561	600.433	583.532	522.193	436.405	369.860	432.844
70	360.220	405.322	489.634	560.081	585.942	568.253	505.508	415.990	345.752	411.981
71	337.355	385.069	475.978	544.478	570.516	552.356	489.773	395.227	322.200	391.673
72	313.951	364.777	462.359	529.121	556.010	537.116	474.054	375.027	298.525	371.829
73	291.125	345.003	445.791	514.337	541.094	522.084	458.335	354.983	274.996	351.700
74	268.330	325.599	429.693	499.151	526.402	506.651	441.813	335.193	251.684	332.350
75	245.296	306.141	413.209	485.764	511.919	494.632	425.529	315.789	228.665	312.869
76	223.212	287.456	397.768	472.409	497.513	480.550	409.648	296.849	205.701	294.176
77	200.371	268.979	382.041	459.046	484.799	466.430	394.045	278.272	183.308	275.599
78	179.121	251.228	367.048	444.987	472.100	452.457	378.666	260.366	161.100	257.578
79	157.802	233.856	352.078	430.952	459.409	438.128	363.433	242.956	139.997	240.383
80	136.838	216.693	337.487	417.002	445.945	424.100	348.679	225.900	120.091	223.536
81	116.816	200.989	323.459	403.523	432.427	410.575	334.351	209.756	100.185	207.207
82	97.559	185.463	309.308	390.214	419.319	397.158	320.385	194.354	80.318	191.882
83	79.747	170.732	295.984	377.005	406.265	384.011	306.566	179.399	63.085	177.020
84	62.529	156.774	282.721	364.414	393.520	370.964	293.295	165.179	47.358	162.892
85	46.872	143.264	269.736	351.368	380.550	358.165	280.087	151.839	33.215	149.552
86	33.802	130.990	257.385	339.217	368.438	345.667	267.511	139.294	23.312	137.023
87	20.771	119.257	245.335	327.105	356.249	333.509	255.345	127.476	13.417	125.305
88	10.915	108.505	233.563	315.148	344.130	321.451	243.558	116.561	3.600	114.916
89	3.893	98.417	222.509	303.716	332.945	309.880	232.095	106.319	0.394	104.527
90	2.078	89.263	211.463	292.245	321.150	298.324	221.003	96.910	0.193	94.145
91	0.355	80.929	201.313	281.717	310.536	287.587	210.598	88.421	0.201	85.563
92	0.348	73.181	191.094	270.547	299.012	276.394	199.985	80.318	0.209	77.831
93	0.363	66.468	181.678	260.552	288.815	266.129	190.569	73.305	0.232	70.717
94	0.402	60.273	172.447	250.216	278.441	255.755	180.975	66.901	0.263	64.259
95	0.448	54.666	163.618	240.306	268.052	245.775	172.030	60.992	0.278	58.520
96	0.471	49.876	155.407	231.114	258.536	236.274	163.471	55.824	0.301	53.314
97	0.502	45.837	147.057	221.397	248.587	226.719	155.060	51.035	0.332	48.695
98	0.548	41.804	139.634	212.575	239.480	217.782	147.235	47.212	0.363	44.539
99	0.595	37.780	132.226	203.940	230.365	208.706	139.603	43.388	0.394	40.893
100	0.641	34.737	125.367	195.489	221.497	200.271	132.628	39.564	0.433	37.595
101	0.680	32.049	118.863	187.456	213.031	192.036	125.715	36.529	0.456	34.698
102	0.718	29.662	112.529	179.368	204.419	183.872	119.249	33.902	0.487	32.134
103	0.757	27.545	106.767	171.976	196.547	176.294	113.178	31.562	0.518	29.770
104	0.788	25.653	101.105	164.360	188.444	168.585	107.207	29.384	0.541	27.723
105	0.827	24.000	95.860	157.377	180.898	161.587	101.893	27.576	0.564	25.807
106	0.850	22.463	90.847	150.510	173.490	154.434	96.563	25.830	0.541	24.100
107	0.850	21.157	86.204	144.045	166.499	147.899	91.727	24.316	0.556	22.609
108	0.881	19.906	81.724	137.703	159.547	141.434	87.069	22.949	0.595	21.180
109	0.927	18.824	77.514	131.632	152.920	135.192	82.574	21.651	0.633	19.921

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CANDELA TABULATION - (Cont.)

110	0.981	17.820	73.629	125.846	146.516	129.260	78.472	20.524	0.687	18.770
111	1.020	16.878	69.728	120.153	140.229	123.490	74.448	19.450	0.734	17.704
112	1.066	16.090	66.422	114.924	134.443	118.067	70.833	18.500	0.796	16.762
113	1.112	15.302	63.047	109.748	128.596	112.799	67.341	17.619	0.842	15.843
114	1.151	14.622	59.995	104.859	123.181	107.779	64.051	16.801	0.888	15.055
115	1.205	13.981	57.045	100.039	117.743	102.951	60.884	16.036	0.942	14.306
116	1.259	13.386	54.218	95.466	112.591	98.177	57.972	15.364	0.996	13.618
117	1.298	12.884	51.661	91.272	107.686	93.882	55.222	14.730	1.051	12.985
118	1.352	12.359	49.212	86.938	102.850	89.472	52.534	14.128	1.112	12.405
119	1.390	11.950	46.756	83.145	98.440	85.571	50.124	13.595	1.174	11.849
120	1.452	11.517	44.307	79.229	93.960	81.577	47.775	13.077	1.236	11.370
121	1.506	11.139	42.229	75.637	89.781	77.847	45.435	12.622	1.298	10.899
122	1.553	10.799	40.298	72.215	85.725	74.316	43.087	12.189	1.352	10.474
123	1.622	10.443	38.321	68.755	81.763	70.840	41.086	11.787	1.421	10.088
124	1.668	10.188	36.645	65.735	78.117	67.681	39.147	11.417	1.468	9.702
125	1.746	9.887	34.907	62.707	74.625	64.561	37.394	11.069	1.537	9.316
126	1.800	9.640	33.315	59.779	71.142	61.587	35.671	10.745	1.599	9.007
127	1.869	9.401	31.840	57.114	67.990	58.767	34.034	10.428	1.668	8.690
128	1.954	9.177	30.311	54.310	64.692	55.979	32.435	10.165	1.730	8.404
129	2.024	8.999	29.028	51.869	61.803	53.437	31.037	9.910	1.800	8.126
130	2.109	8.783	27.669	50.139	58.914	50.811	29.561	9.648	1.869	7.879
131	2.194	8.628	26.433	47.381	56.118	48.424	28.310	9.447	1.939	7.639
132	2.271	8.474	25.267	44.608	53.515	46.037	26.950	9.223	1.993	7.408
133	2.356	8.327	24.069	42.376	50.842	43.658	25.715	9.053	2.062	7.161
134	2.456	8.196	23.026	40.352	48.409	41.580	24.587	8.875	2.132	6.767
135	2.541	8.049	22.015	38.444	45.976	39.564	23.459	8.682	2.178	6.628
136	2.626	7.933	21.049	36.536	43.542	37.633	22.439	8.528	2.240	6.481
137	2.719	7.802	20.168	34.791	41.434	35.803	21.474	8.350	2.302	6.373
138	2.835	7.709	19.326	33.091	39.364	34.041	20.539	8.196	2.371	6.249
139	2.951	7.624	18.531	31.469	37.417	32.404	19.720	8.095	2.425	6.102
140	3.051	7.562	17.828	29.947	35.540	30.789	18.886	7.987	2.480	5.963
141	3.159	7.500	17.148	28.488	33.725	29.268	18.145	7.902	2.557	5.801
142	3.291	7.415	16.492	27.089	32.002	27.885	17.449	7.833	2.634	5.639
143	3.399	7.369	15.866	25.792	30.380	26.487	16.746	7.771	2.680	5.492
144	3.461	7.307	15.240	24.540	28.827	25.205	16.098	7.709	2.711	5.338
145	3.515	7.276	14.676	23.366	27.360	23.969	15.449	7.655	2.727	5.214
146	3.576	7.245	14.120	22.231	25.954	22.779	14.846	7.508	2.742	5.090
147	3.638	7.215	13.595	21.134	24.602	21.690	14.282	7.300	2.765	4.920
148	3.723	7.199	13.139	20.145	23.359	20.624	13.757	7.284	2.796	4.851
149	3.793	7.168	12.660	19.157	22.123	19.597	13.247	7.261	2.819	4.727
150	3.862	7.145	12.251	18.230	20.987	18.662	12.792	7.207	2.843	4.681
151	3.916	7.114	11.857	17.364	19.875	17.751	12.328	7.153	2.881	4.588
152	3.970	7.083	11.455	16.530	18.863	16.932	11.934	7.060	2.920	4.457
153	4.040	7.060	11.108	15.750	17.897	16.113	11.517	6.998	2.958	4.357
154	4.102	7.037	10.776	15.024	16.994	15.348	11.139	6.836	2.997	4.302
155	4.156	7.029	10.451	14.306	16.136	14.622	10.776	6.743	3.043	4.279
156	4.210	7.006	10.134	13.641	15.294	13.896	10.420	6.651	3.090	4.264
157	4.256	6.998	9.856	13.039	14.530	13.263	10.104	6.643	3.128	4.241
158	4.302	6.975	9.571	12.444	13.780	12.645	9.795	6.550	3.175	4.194
159	4.341	6.967	9.316	11.903	13.070	12.058	9.431	6.519	3.213	4.032
160	4.364	6.944	9.068	11.386	12.436	11.533	9.099	6.411	3.244	3.808
161	4.380	6.913	8.806	10.876	11.795	11.007	8.744	6.342	3.275	3.615
162	4.387	6.898	8.590	10.428	11.231	10.521	8.311	6.195	3.298	3.468
163	4.387	6.875	8.350	9.972	10.691	10.065	7.987	6.087	3.321	3.368
164	4.387	6.859	8.142	9.578	10.188	9.632	7.632	6.056	3.345	3.306
165	4.372	6.844	7.910	9.184	9.717	9.223	7.323	6.040	3.360	3.283

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CANDELA TABULATION - (Cont.)

166	4.357	6.828	7.694	8.806	9.277	8.837	6.875	6.048	3.391	3.291
167	4.357	6.813	7.508	8.474	8.868	8.466	6.519	6.079	3.445	3.360
168	4.372	6.790	7.330	8.149	8.481	8.049	6.288	6.110	3.522	3.453
169	4.418	6.767	7.184	7.840	8.134	7.639	6.226	6.048	3.615	3.561
170	4.480	6.689	7.045	7.562	7.778	7.230	6.149	5.932	3.700	3.661
171	4.511	6.558	6.929	7.315	7.462	6.844	6.125	5.847	3.754	3.739
172	4.526	6.187	6.844	7.114	7.199	6.434	6.087	5.701	3.816	3.808
173	4.519	5.793	6.774	6.944	6.967	6.133	6.033	5.562	3.870	3.862
174	4.488	5.492	6.705	6.821	6.797	5.871	5.963	5.322	3.916	3.909
175	4.434	5.206	6.550	6.720	6.674	5.616	5.793	5.090	3.916	3.916
176	4.372	4.920	6.056	6.597	6.573	5.423	5.461	4.866	3.916	3.924
177	4.295	4.635	5.430	6.257	6.342	5.036	5.059	4.642	3.932	3.939
178	4.218	4.395	4.928	5.446	5.840	4.642	4.650	4.403	3.963	3.963
179	4.140	4.156	4.426	4.635	5.021	4.218	4.248	4.156	4.001	4.001
180	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071	4.071

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	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116	1348.116
1	1348.101	1348.116	1347.946	1347.954	1347.769	1347.282	1347.792
2	1347.614	1347.939	1347.614	1347.112	1346.788	1346.301	1346.803
3	1347.097	1346.772	1346.772	1346.100	1345.598	1344.779	1345.305
4	1345.776	1345.768	1345.614	1344.617	1343.783	1342.632	1343.343
5	1343.590	1343.752	1343.590	1342.740	1341.736	1340.237	1341.180
6	1341.914	1341.921	1341.597	1340.423	1338.932	1336.947	1338.252
7	1338.971	1339.295	1338.816	1337.650	1335.827	1333.525	1334.738
8	1335.966	1336.468	1336.136	1334.305	1332.150	1329.833	1331.154
9	1332.505	1333.007	1332.390	1331.045	1328.226	1325.221	1326.782
10	1328.597	1329.423	1328.620	1326.766	1323.954	1320.463	1322.062
11	1323.908	1325.075	1324.596	1322.410	1319.243	1315.427	1317.111
12	1319.219	1320.386	1320.231	1317.736	1313.766	1309.448	1311.348
13	1314.137	1315.481	1314.994	1312.159	1308.513	1303.377	1305.022
14	1307.926	1309.927	1309.603	1306.443	1302.141	1296.664	1298.603
15	1301.894	1304.064	1303.577	1300.758	1295.467	1289.666	1291.697
16	1295.197	1297.692	1297.383	1294.185	1288.716	1282.420	1284.259
17	1288.538	1291.033	1291.064	1287.209	1281.084	1274.611	1276.658
18	1281.007	1284.143	1283.834	1280.142	1273.684	1266.578	1268.362
19	1273.190	1276.527	1276.395	1272.865	1265.388	1257.424	1259.803
20	1265.056	1269.412	1269.080	1264.878	1257.100	1248.479	1250.534
21	1256.327	1261.147	1260.831	1256.474	1248.031	1238.739	1240.933
22	1247.506	1252.164	1252.365	1247.653	1238.716	1228.782	1230.767
23	1238.152	1243.296	1243.829	1238.615	1229.168	1218.061	1220.100
24	1227.963	1233.803	1234.506	1229.114	1219.003	1207.555	1209.572
25	1217.667	1224.163	1225.028	1219.304	1208.544	1196.432	1197.861
26	1207.185	1214.198	1215.226	1209.178	1197.576	1184.460	1186.275
27	1196.170	1203.987	1204.860	1199.151	1186.877	1172.626	1174.209
28	1184.591	1192.794	1194.494	1187.920	1174.843	1160.066	1161.194
29	1172.989	1181.802	1183.679	1176.882	1163.333	1147.521	1148.402
30	1160.892	1170.548	1172.788	1165.373	1151.136	1134.235	1134.900
31	1148.302	1158.637	1161.016	1153.292	1138.190	1120.641	1121.158
32	1135.556	1146.873	1149.414	1141.489	1125.808	1107.084	1107.146
33	1122.348	1134.475	1137.070	1128.960	1112.406	1093.149	1093.026
34	1108.984	1121.745	1124.873	1116.593	1099.352	1078.612	1077.925
35	1095.428	1108.915	1112.298	1103.724	1085.348	1063.789	1062.252
36	1081.648	1095.984	1099.715	1091.149	1071.730	1048.842	1046.865

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CANDELA TABULATION - (Cont.)

37	1067.435	1082.915	1087.055	1077.793	1057.324	1033.641	1030.868
38	1052.674	1069.165	1073.414	1063.936	1043.203	1020.463	1015.102
39	1038.128	1055.431	1060.444	1050.673	1028.357	1007.293	997.776
40	1023.553	1041.697	1046.687	1036.777	1015.936	994.053	980.752
41	1010.491	1027.623	1033.007	1022.857	1003.515	976.828	963.596
42	997.429	1015.705	1020.069	1010.892	991.010	959.687	945.891
43	984.282	1003.786	1007.972	998.927	974.881	942.307	928.257
44	967.975	991.859	995.876	986.954	958.907	924.696	909.741
45	951.453	976.395	983.710	971.575	942.477	906.590	891.628
46	934.544	960.939	969.026	956.327	926.024	888.468	872.471
47	918.338	945.806	954.025	941.280	909.401	870.239	853.322
48	900.626	929.547	938.507	925.290	892.469	851.407	834.320
49	883.864	914.314	923.630	910.012	875.561	832.690	814.314
50	866.577	898.224	908.050	893.937	858.528	813.812	794.570
51	848.912	882.034	892.601	878.040	841.357	794.400	774.286
52	831.570	866.222	876.982	862.267	823.946	775.151	754.319
53	813.341	849.839	861.533	846.030	806.605	755.624	733.973
54	795.976	833.903	846.054	830.079	789.109	736.182	712.761
55	777.863	817.635	830.018	813.858	771.397	716.129	692.129
56	759.911	800.835	814.453	797.822	753.917	696.293	670.810
57	742.037	784.838	798.703	781.624	736.390	676.318	649.607
58	723.599	768.562	782.451	765.241	718.423	655.778	627.754
59	705.678	752.357	766.925	749.027	700.858	635.950	605.917
60	687.974	736.043	751.337	732.930	683.161	615.442	584.583
61	669.667	719.203	735.062	716.739	665.241	595.041	562.236
62	652.156	703.477	720.084	700.680	648.031	575.012	539.596
63	633.656	686.746	703.847	684.459	630.218	554.257	517.396
64	616.044	670.725	688.314	668.408	612.800	533.972	495.219
65	598.062	654.790	672.687	652.673	595.343	513.549	473.313
66	580.357	638.808	657.231	636.529	578.001	493.110	451.406
67	562.970	622.880	641.805	620.856	560.614	472.911	429.492
68	545.350	607.061	626.542	605.384	543.612	452.526	406.697
69	528.233	591.280	611.417	589.434	526.464	432.651	383.540
70	510.992	575.939	596.432	574.471	509.849	412.529	360.220
71	493.821	560.027	581.114	558.760	492.963	392.855	337.355
72	477.237	544.902	566.423	543.759	476.673	373.498	313.951
73	460.436	529.593	551.599	528.727	460.320	354.017	291.125
74	444.215	514.731	536.807	513.734	444.223	335.023	268.330
75	428.148	499.977	522.733	499.220	428.542	316.268	245.296
76	412.081	485.015	508.042	484.474	412.769	298.100	223.212
77	396.795	470.964	494.246	470.424	397.567	279.886	200.371
78	380.944	456.118	479.902	455.879	382.296	262.406	179.121
79	366.391	442.454	466.415	442.237	367.790	245.628	157.802
80	351.568	428.418	452.696	428.457	353.245	228.990	136.838
81	336.969	414.599	439.233	414.700	338.978	213.348	116.816
82	323.258	401.661	426.186	401.792	325.244	197.768	97.559
83	309.331	387.935	412.900	388.576	311.587	183.393	79.747
84	296.030	375.336	400.309	375.638	298.316	169.242	62.529
85	283.022	362.568	387.657	363.140	285.695	156.203	46.872
86	270.261	350.023	375.282	350.479	273.112	143.573	33.802
87	258.204	338.004	363.155	338.522	260.814	131.724	20.771
88	246.285	326.062	351.545	326.742	249.375	121.258	10.915
89	234.683	314.144	339.626	315.117	237.641	110.791	3.893
90	223.760	302.928	328.395	303.600	226.819	100.332	2.078
91	212.722	291.588	316.971	292.600	216.028	91.449	0.355
92	202.742	281.029	306.303	281.879	205.801	83.493	0.348

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CANDELA TABULATION - (Cont.)

93	192.577	270.230	295.397	271.196	195.991	76.155	0.363
94	183.176	259.942	285.084	261.031	186.336	69.442	0.402
95	174.008	250.016	274.842	250.850	177.182	63.379	0.448
96	165.155	240.013	264.792	241.287	168.330	57.879	0.471
97	156.836	230.689	255.129	231.693	159.988	52.928	0.502
98	148.687	221.281	245.536	222.440	151.761	48.540	0.548
99	141.094	212.467	236.467	213.526	144.199	44.608	0.595
100	133.709	203.615	227.329	204.851	136.660	41.009	0.641
101	126.904	195.335	218.709	196.347	129.693	37.911	0.680
102	120.284	187.046	210.165	188.259	123.057	35.046	0.718
103	114.058	179.291	201.900	180.287	116.793	32.535	0.757
104	107.833	171.567	193.759	172.640	110.528	30.287	0.788
105	101.638	164.236	185.965	165.395	104.287	28.171	0.827
106	96.316	157.192	178.557	158.134	98.780	26.371	0.850
107	91.341	150.224	171.049	151.321	93.682	24.625	0.850
108	86.583	143.712	164.074	144.717	88.861	23.150	0.881
109	82.149	137.309	157.176	138.321	84.265	21.721	0.927
110	77.800	131.160	150.479	132.164	79.955	20.446	0.981
111	73.969	125.467	144.369	126.441	75.915	19.319	1.020
112	70.091	119.736	137.942	120.647	71.991	18.199	1.066
113	66.569	114.283	132.195	115.202	68.353	17.264	1.112
114	63.224	108.829	126.394	109.748	64.908	16.329	1.151
115	59.995	103.376	120.933	104.303	61.594	15.518	1.205
116	56.998	98.764	115.572	99.591	58.536	14.769	1.259
117	54.102	94.099	110.212	94.964	55.593	14.043	1.298
118	51.367	89.827	104.866	90.661	52.796	13.410	1.352
119	48.810	85.625	100.046	86.336	50.178	12.799	1.390
120	46.370	81.686	95.674	82.435	47.636	12.243	1.452
121	44.060	77.823	91.202	78.526	45.296	11.733	1.506
122	41.843	74.123	87.015	74.803	43.002	11.254	1.553
123	39.711	70.593	83.022	71.288	40.823	10.806	1.622
124	37.772	67.295	79.167	67.843	38.815	10.382	1.668
125	35.841	63.989	75.375	64.599	36.799	9.988	1.746
126	34.065	60.938	71.891	61.455	34.992	9.586	1.800
127	32.334	57.887	68.330	58.435	33.161	9.184	1.869
128	30.650	55.013	65.070	55.585	31.554	8.883	1.954
129	29.106	52.294	61.911	52.835	29.978	8.605	2.024
130	27.592	49.591	58.806	50.139	28.441	8.335	2.109
131	26.201	47.111	55.925	47.660	27.074	8.095	2.194
132	24.834	44.601	53.013	45.172	25.614	7.863	2.271
133	23.544	42.283	50.332	42.855	24.386	7.655	2.356
134	22.324	40.074	47.760	40.684	23.165	7.462	2.456
135	21.095	37.850	45.188	38.491	22.007	7.292	2.541
136	19.960	35.787	42.755	36.536	21.003	7.145	2.626
137	18.878	33.771	40.430	34.598	19.960	6.998	2.719
138	17.836	31.848	38.143	32.697	19.002	6.867	2.835
139	16.870	30.056	36.112	31.013	18.129	6.751	2.951
140	15.912	28.294	34.034	29.322	17.287	6.643	3.051
141	15.009	26.587	32.072	27.769	16.522	6.535	3.159
142	14.143	24.958	30.210	26.255	15.827	6.458	3.291
143	13.325	23.420	28.418	24.865	15.140	6.396	3.399
144	12.529	21.914	26.757	23.544	14.576	6.357	3.461
145	11.764	20.516	25.112	22.269	13.981	6.334	3.515
146	11.054	19.149	23.583	21.057	13.440	6.295	3.576
147	10.420	17.851	22.092	19.914	12.946	6.288	3.638
148	9.779	16.662	20.694	18.824	12.490	6.264	3.723

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CANDELA TABULATION - (Cont.)

149	9.146	15.541	19.396	17.797	12.073	6.257	3.793
150	8.597	14.491	18.098	16.816	11.625	6.249	3.862
151	8.134	13.541	16.947	15.881	11.216	6.241	3.916
152	7.663	12.637	15.827	15.016	10.822	6.249	3.970
153	7.029	11.772	14.769	14.182	10.420	6.241	4.040
154	6.736	11.015	13.819	13.410	10.057	6.257	4.102
155	6.357	10.312	12.892	12.645	9.694	6.249	4.156
156	6.102	9.609	12.042	11.965	9.331	6.257	4.210
157	5.647	8.914	11.247	11.270	8.983	6.234	4.256
158	5.399	8.350	10.552	10.629	8.675	6.210	4.302
159	5.137	7.894	9.856	10.049	8.366	6.180	4.341
160	4.920	7.423	9.153	9.470	8.049	6.118	4.364
161	4.766	6.975	8.613	8.891	7.755	6.048	4.380
162	4.658	6.566	8.134	8.404	7.462	5.963	4.387
163	4.534	6.040	7.686	7.964	7.191	5.886	4.387
164	4.449	5.623	7.300	7.570	6.944	5.801	4.387
165	4.488	5.152	6.952	7.207	6.713	5.716	4.372
166	4.581	4.990	6.666	6.898	6.488	5.639	4.357
167	4.689	4.797	6.380	6.604	6.272	5.569	4.357
168	4.774	4.650	6.048	6.342	6.087	5.507	4.372
169	4.735	4.596	5.701	6.079	5.901	5.446	4.418
170	4.658	4.588	5.353	5.847	5.724	5.415	4.480
171	4.611	4.650	5.044	5.662	5.592	5.423	4.511
172	4.442	4.805	4.797	5.523	5.515	5.469	4.526
173	4.248	4.944	4.519	5.477	5.515	5.531	4.519
174	4.071	4.936	4.256	5.523	5.577	5.492	4.488
175	3.970	4.751	4.272	5.577	5.577	5.075	4.434
176	3.909	4.357	4.326	5.314	5.268	4.418	4.372
177	3.847	3.994	3.994	4.920	4.503	4.001	4.295
178	3.816	3.816	3.723	4.318	3.893	3.816	4.218
179	3.901	3.785	3.600	3.499	3.723	3.847	4.140
180	4.071	4.071	4.071	4.071	4.071	4.071	4.071

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	494.27	N.A.	10.30
0-30	1053.49	N.A.	21.90
0-40	1735.52	N.A.	36.00
0-60	3144.44	N.A.	65.20
0-80	4145.33	N.A.	86.00
0-90	4421.03	N.A.	91.70
10-90	4293.4	N.A.	89.10
20-40	1241.25	N.A.	25.80
20-50	1966.25	N.A.	40.80
40-70	1983.9	N.A.	41.20
60-80	1000.9	N.A.	20.80
70-80	425.91	N.A.	8.80
80-90	275.70	N.A.	5.70
90-110	271.22	N.A.	5.60
90-120	330.99	N.A.	6.90
90-130	364.79	N.A.	7.60
90-150	392.24	N.A.	8.10
90-180	399.06	N.A.	8.30
110-180	127.84	N.A.	2.70
0-180	4820.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.64
10-20	366.64
20-30	559.21
30-40	682.04
40-50	725.00
50-60	683.91
60-70	574.99
70-80	425.91
80-90	275.70
90-100	169.13
100-110	102.09
110-120	59.77
120-130	33.79
130-140	18.20
140-150	9.25
150-160	4.43
160-170	1.89
170-180	0.51

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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 : SWLSEL4HT4820LMWT35120-277V_P.IES

UGR TABLE - CORRECTED

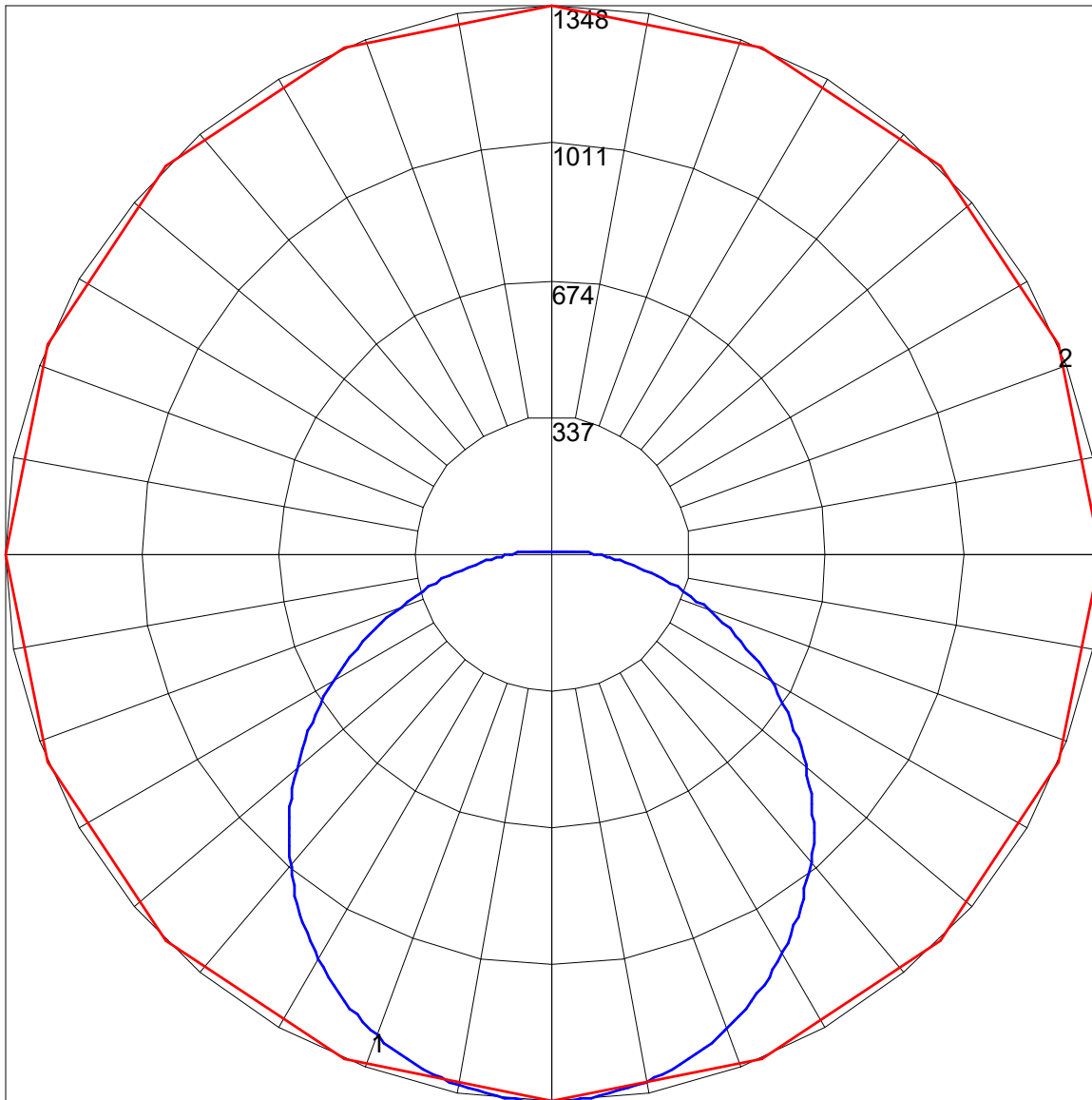
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	16.9	18.4	17.3	18.9	19.4	18.9	20.5	19.4	21.0	21.5
	3H	18.4	19.8	18.9	20.2	20.8	21.4	22.8	21.9	23.3	23.9
	4H	18.8	20.2	19.4	20.7	21.2	22.7	24.0	23.2	24.5	25.0
	6H	19.1	20.3	19.6	20.9	21.4	23.9	25.2	24.5	25.7	26.3
	8H	19.2	20.3	19.7	20.9	21.5	24.6	25.8	25.1	26.3	26.9
	12H	19.2	20.3	19.7	20.8	21.5	25.3	26.4	25.9	27.0	27.6
4H	2H	17.7	19.1	18.3	19.6	20.1	19.4	20.7	19.9	21.2	21.8
	3H	19.5	20.6	20.0	21.2	21.7	22.1	23.2	22.6	23.8	24.3
	4H	20.1	21.1	20.6	21.7	22.3	23.5	24.5	24.0	25.1	25.7
	6H	20.5	21.4	21.1	22.0	22.6	24.9	25.8	25.5	26.4	27.1
	8H	20.6	21.4	21.2	22.0	22.7	25.7	26.5	26.3	27.1	27.8
	12H	20.6	21.4	21.2	22.0	22.7	26.5	27.3	27.1	27.9	28.6
8H	4H	20.8	21.7	21.4	22.2	22.9	23.7	24.5	24.2	25.1	25.8
	6H	21.4	22.1	22.0	22.7	23.4	25.3	26.0	25.9	26.7	27.3
	8H	21.5	22.2	22.2	22.8	23.5	26.2	26.9	26.8	27.5	28.1
	12H	21.7	22.3	22.3	22.9	23.6	27.2	27.8	27.8	28.4	29.1
12H	4H	21.0	21.8	21.6	22.4	23.0	23.7	24.5	24.3	25.1	25.7
	6H	21.7	22.3	22.3	22.9	23.6	25.3	26.0	26.0	26.6	27.3
	8H	22.0	22.5	22.6	23.2	23.9	26.3	26.9	26.9	27.5	28.2

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 1348.294 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.)