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IES INDOOR REPORT
PHOTOMETRIC FILENAME : POR 1 LIGHT.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLI-18097-3
[TESTLAB] LightLab International (www.LightLabInternational.com)
[MANUFAC] Justice Design Group, Los Angeles, CA 90071
[LUMCAT] Limoges Translucent Porcelain (POR) 1-Light Bath Bar
[LUMINAIRE] Justice Design Group - Wall mount bathroom luminaire. Product ID: POR 1-Light
[MORE] Steel formed housing and translucent porcelain lens.
[MORE] 10 LEDs mounted in circular array with white plastic dome lens.
[MORE] No driver.
[MORE] Operating at 120 VAC and 60 Hz.
[OTHER] Absolute test - lamp lumens value set to -1
[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
[MORE] The sample was tested at a distance of 8m.
[MORE] This IES file created by LightLab/LSA Report program version 3.820a.
[DATE] This file created: Wednesday, April 18, 2018 12:43:45 PM
[ISSUEDATE] Wednesday, April 18, 2018 12:43:45 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	249
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	7.48
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.56
Spacing Criterion (90-270)	1.74
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 m
Luminous Width (90-270)	0.17 m
Luminous Height	0.14 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1333	1273	2195
55	1124	984	1425
65	1006	836	1065
75	933	741	928
85	899	685	833

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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>
0.0	39.042	39.042	39.042	39.042	39.042	39.042	39.042	39.042	39.042
0.5	38.664	38.776	38.925	38.943	39.069	39.226	39.348	39.357	39.361
1.0	38.763	38.893	38.956	38.983	39.118	39.370	39.564	39.640	39.699
1.5	39.073	39.150	39.150	39.082	39.249	39.577	39.861	40.041	40.113
2.0	39.420	39.451	39.429	39.235	39.402	39.802	40.207	40.486	40.576
2.5	39.843	39.870	39.753	39.465	39.595	40.072	40.599	40.977	41.080
3.0	40.347	40.261	40.113	39.735	39.793	40.351	41.040	41.463	41.602
3.5	40.855	40.734	40.513	40.009	40.023	40.639	41.449	41.971	42.192
4.0	41.382	41.256	40.887	40.315	40.252	40.977	41.904	42.489	42.705
4.5	41.913	41.728	41.319	40.603	40.500	41.314	42.345	43.029	43.281
5.0	42.412	42.268	41.737	40.914	40.734	41.647	42.759	43.524	43.825
5.5	42.916	42.741	42.156	41.260	40.990	41.980	43.213	44.073	44.365
6.0	43.497	43.263	42.583	41.593	41.247	42.340	43.690	44.617	44.995
6.5	44.019	43.767	43.042	41.917	41.485	42.682	44.136	45.144	45.495
7.0	44.541	44.253	43.474	42.264	41.760	43.029	44.613	45.693	46.071
7.5	45.058	44.797	43.915	42.606	42.030	43.389	45.090	46.228	46.629
8.0	45.549	45.297	44.370	42.934	42.300	43.744	45.540	46.750	47.164
8.5	46.053	45.814	44.806	43.281	42.547	44.104	46.012	47.272	47.700
9.0	46.620	46.296	45.252	43.627	42.835	44.460	46.498	47.776	48.235
9.5	47.151	46.795	45.706	43.965	43.128	44.824	46.917	48.267	48.771
10.0	47.659	47.317	46.138	44.316	43.380	45.162	47.367	48.811	49.297
10.5	48.163	47.866	46.593	44.680	43.650	45.526	47.835	49.311	49.828
11.0	48.739	48.339	47.029	45.027	43.920	45.886	48.267	49.810	50.355
11.5	49.279	48.843	47.457	45.405	44.194	46.246	48.721	50.292	50.845
12.0	49.779	49.360	47.911	45.751	44.469	46.606	49.162	50.809	51.354
12.5	50.188	49.824	48.384	46.089	44.734	46.980	49.594	51.259	51.853
13.0	50.476	50.278	48.802	46.440	44.991	47.326	50.031	51.754	52.299
13.5	50.656	50.638	49.266	46.782	45.270	47.691	50.454	52.209	52.672
14.0	50.715	50.868	49.680	47.097	45.540	48.028	50.868	52.623	52.920
14.5	50.854	51.057	50.116	47.452	45.778	48.375	51.277	52.960	53.055
15.0	50.958	51.178	50.526	47.794	46.075	48.717	51.709	53.203	53.113
15.5	51.061	51.273	50.917	48.141	46.345	49.041	52.101	53.298	53.095
16.0	51.097	51.394	51.250	48.483	46.575	49.387	52.492	53.356	53.068
16.5	51.142	51.408	51.552	48.802	46.822	49.720	52.893	53.347	53.005
17.0	51.147	51.439	51.813	49.126	47.115	50.031	53.248	53.302	52.911
17.5	51.205	51.507	52.020	49.464	47.349	50.341	53.554	53.253	52.875
18.0	51.174	51.498	52.150	49.774	47.596	50.674	53.829	53.167	52.753
18.5	51.205	51.493	52.263	50.089	47.857	50.976	54.000	53.086	52.632
19.0	51.196	51.516	52.312	50.404	48.109	51.295	54.094	52.996	52.515
19.5	51.129	51.448	52.348	50.724	48.361	51.588	54.130	52.897	52.380
20.0	51.043	51.430	52.362	51.007	48.600	51.907	54.112	52.762	52.272
20.5	50.971	51.390	52.357	51.322	48.865	52.195	54.063	52.645	52.114
21.0	50.805	51.277	52.339	51.606	49.108	52.497	53.991	52.510	51.966
21.5	50.715	51.165	52.303	51.903	49.360	52.794	53.896	52.344	51.817
22.0	50.625	51.079	52.245	52.173	49.612	53.064	53.797	52.191	51.624
22.5	50.476	50.931	52.186	52.429	49.869	53.352	53.698	52.002	51.394
23.0	50.332	50.755	52.123	52.654	50.107	53.604	53.559	51.804	51.205
23.5	50.125	50.548	51.997	52.812	50.319	53.869	53.401	51.615	50.949
24.0	49.927	50.332	51.885	52.947	50.571	54.117	53.248	51.358	50.688
24.5	49.756	50.157	51.754	53.064	50.791	54.360	53.077	51.075	50.454
25.0	49.549	49.918	51.574	53.158	51.016	54.571	52.884	50.836	50.188
25.5	49.320	49.693	51.403	53.230	51.241	54.733	52.699	50.548	49.887
26.0	49.068	49.437	51.192	53.248	51.435	54.877	52.456	50.238	49.599
26.5	48.829	49.171	50.971	53.302	51.642	54.967	52.236	49.941	49.257

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CANDELA TABULATION - (Cont.)

27.0	48.501	48.879	50.724	53.284	51.831	55.008	51.988	49.594	48.933
27.5	48.276	48.631	50.467	53.248	52.015	55.017	51.696	49.275	48.600
28.0	47.943	48.330	50.166	53.163	52.186	54.981	51.403	48.919	48.240
28.5	47.623	47.979	49.860	53.068	52.380	54.873	51.084	48.555	47.853
29.0	47.317	47.646	49.558	52.897	52.569	54.733	50.737	48.163	47.466
29.5	46.980	47.331	49.216	52.722	52.740	54.544	50.386	47.772	47.070
30.0	46.642	46.984	48.852	52.506	52.879	54.306	50.008	47.371	46.633
30.5	46.219	46.624	48.478	52.240	53.059	54.049	49.585	46.939	46.179
31.0	45.886	46.291	48.087	52.006	53.199	53.761	49.176	46.498	45.751
31.5	45.526	45.909	47.709	51.727	53.356	53.446	48.744	46.066	45.270
32.0	45.099	45.508	47.331	51.403	53.509	53.082	48.303	45.612	44.820
32.5	44.712	45.130	46.885	51.088	53.599	52.681	47.839	45.126	44.289
33.0	44.293	44.707	46.471	50.715	53.712	52.245	47.389	44.631	43.798
33.5	43.812	44.320	46.053	50.319	53.797	51.817	46.921	44.122	43.213
34.0	43.420	43.875	45.589	49.945	53.770	51.304	46.417	43.632	42.718
34.5	43.002	43.443	45.157	49.482	53.703	50.814	45.927	43.110	42.174
35.0	42.507	42.988	44.689	49.018	53.478	50.301	45.391	42.579	41.593
35.5	42.066	42.570	44.239	48.541	53.172	49.770	44.887	42.043	41.022
36.0	41.598	42.079	43.753	48.042	52.776	49.207	44.361	41.463	40.477
36.5	41.103	41.620	43.299	47.502	52.308	48.672	43.825	40.932	39.879
37.0	40.666	41.161	42.813	46.948	51.718	48.069	43.276	40.374	39.307
37.5	40.198	40.680	42.300	46.386	50.980	47.479	42.718	39.780	38.700
38.0	39.703	40.185	41.832	45.823	50.166	46.885	42.169	39.195	38.101
38.5	39.226	39.694	41.319	45.220	49.320	46.260	41.571	38.578	37.521
39.0	38.745	39.226	40.828	44.622	48.447	45.661	41.004	37.993	36.931
39.5	38.286	38.722	40.320	44.001	47.574	45.031	40.414	37.377	36.310
40.0	37.890	38.241	39.798	43.384	46.696	44.410	39.834	36.774	35.730
40.5	37.431	37.750	39.276	42.777	45.864	43.771	39.217	36.166	35.127
41.0	36.967	37.278	38.767	42.138	45.031	43.146	38.619	35.559	34.546
41.5	36.621	36.814	38.223	41.544	44.226	42.507	37.998	34.942	33.988
42.0	36.243	36.351	37.692	40.918	43.479	41.868	37.386	34.339	33.426
42.5	35.928	35.892	37.147	40.288	42.709	41.215	36.747	33.745	32.886
43.0	35.658	35.464	36.616	39.667	41.985	40.576	36.108	33.165	32.323
43.5	35.424	35.095	36.067	39.015	41.305	39.906	35.482	32.607	31.855
44.0	35.230	34.722	35.536	38.376	40.626	39.231	34.816	32.017	31.401
44.5	34.942	34.434	35.001	37.773	39.969	38.569	34.173	31.500	30.973
45.0	34.704	34.155	34.452	37.093	39.312	37.867	33.520	31.000	30.627
45.5	34.479	33.889	33.948	36.468	38.700	37.201	32.904	30.546	30.285
46.0	34.231	33.669	33.421	35.829	38.052	36.490	32.265	30.123	29.961
46.5	33.970	33.417	32.908	35.190	37.444	35.779	31.630	29.754	29.619
47.0	33.705	33.151	32.431	34.515	36.792	35.073	30.973	29.412	29.272
47.5	33.471	32.917	31.936	33.867	36.130	34.344	30.375	29.070	28.926
48.0	33.232	32.679	31.513	33.219	35.469	33.619	29.776	28.746	28.566
48.5	32.971	32.404	31.099	32.535	34.785	32.872	29.178	28.404	28.264
49.0	32.760	32.161	30.744	31.896	34.087	32.161	28.629	28.075	27.940
49.5	32.517	31.909	30.379	31.221	33.372	31.419	28.098	27.738	27.603
50.0	32.278	31.671	30.060	30.568	32.643	30.712	27.630	27.427	27.301
50.5	32.040	31.414	29.731	29.943	31.878	29.979	27.189	27.090	26.986
51.0	31.824	31.185	29.452	29.331	31.113	29.241	26.788	26.784	26.653
51.5	31.626	30.924	29.200	28.647	30.343	28.525	26.433	26.455	26.370
52.0	31.365	30.712	28.975	28.048	29.529	27.814	26.095	26.172	26.077
52.5	31.185	30.478	28.723	27.445	28.696	27.112	25.807	25.861	25.780
53.0	30.960	30.235	28.485	26.824	27.909	26.419	25.483	25.542	25.488
53.5	30.771	30.015	28.237	26.289	27.094	25.762	25.182	25.308	25.191
54.0	30.577	29.817	28.008	25.735	26.298	25.110	24.894	24.984	24.925
54.5	30.321	29.583	27.765	25.231	25.542	24.511	24.601	24.709	24.682

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CANDELA TABULATION - (Cont.)

55.0	30.118	29.403	27.531	24.777	24.772	23.904	24.313	24.421	24.394
55.5	29.983	29.200	27.292	24.399	24.048	23.337	24.025	24.160	24.156
56.0	29.799	28.993	27.072	24.012	23.319	22.860	23.737	23.895	23.886
56.5	29.614	28.786	26.824	23.701	22.639	22.405	23.458	23.638	23.625
57.0	29.457	28.620	26.604	23.368	22.005	22.059	23.197	23.373	23.382
57.5	29.268	28.395	26.383	23.053	21.375	21.784	22.927	23.116	23.139
58.0	29.119	28.215	26.149	22.824	20.790	21.559	22.639	22.873	22.891
58.5	28.912	28.048	25.951	22.648	20.277	21.321	22.383	22.621	22.630
59.0	28.773	27.859	25.744	22.437	19.840	21.100	22.131	22.365	22.401
59.5	28.597	27.679	25.528	22.252	19.480	20.884	21.861	22.144	22.194
60.0	28.408	27.513	25.330	22.059	19.210	20.659	21.627	21.901	21.933
60.5	28.242	27.342	25.137	21.861	18.985	20.421	21.375	21.649	21.730
61.0	28.093	27.166	24.934	21.654	18.801	20.187	21.118	21.429	21.469
61.5	27.972	27.013	24.705	21.469	18.634	19.966	20.893	21.195	21.276
62.0	27.792	26.833	24.534	21.240	18.477	19.750	20.646	20.970	21.028
62.5	27.625	26.662	24.340	21.055	18.292	19.516	20.425	20.749	20.794
63.0	27.481	26.496	24.138	20.853	18.117	19.291	20.200	20.497	20.601
63.5	27.292	26.329	23.958	20.655	17.937	19.066	19.971	20.304	20.362
64.0	27.144	26.185	23.791	20.466	17.752	18.864	19.732	20.088	20.160
64.5	27.036	26.023	23.593	20.254	17.563	18.634	19.525	19.881	19.939
65.0	26.883	25.861	23.445	20.065	17.383	18.427	19.305	19.656	19.732
65.5	26.712	25.704	23.242	19.885	17.194	18.189	19.062	19.471	19.521
66.0	26.563	25.564	23.080	19.687	17.010	17.986	18.859	19.255	19.318
66.5	26.433	25.393	22.900	19.480	16.830	17.779	18.634	19.044	19.129
67.0	26.293	25.263	22.725	19.327	16.614	17.554	18.405	18.832	18.918
67.5	26.127	25.105	22.545	19.138	16.447	17.334	18.220	18.634	18.711
68.0	25.983	24.943	22.387	18.922	16.272	17.158	18.018	18.427	18.526
68.5	25.857	24.795	22.225	18.756	16.074	16.924	17.806	18.247	18.351
69.0	25.726	24.664	22.050	18.571	15.880	16.744	17.622	18.045	18.117
69.5	25.582	24.511	21.892	18.373	15.700	16.551	17.415	17.851	17.937
70.0	25.456	24.381	21.717	18.211	15.507	16.330	17.230	17.662	17.766
70.5	25.290	24.228	21.541	18.036	15.318	16.137	17.032	17.482	17.532
71.0	25.146	24.084	21.415	17.833	15.133	15.943	16.834	17.275	17.374
71.5	25.033	23.971	21.258	17.676	14.953	15.750	16.641	17.100	17.190
72.0	24.903	23.823	21.091	17.491	14.778	15.543	16.461	16.906	17.010
72.5	24.781	23.683	20.952	17.302	14.593	15.363	16.272	16.735	16.821
73.0	24.633	23.548	20.799	17.154	14.413	15.169	16.096	16.542	16.645
73.5	24.493	23.422	20.641	16.969	14.233	14.976	15.903	16.375	16.461
74.0	24.399	23.274	20.497	16.789	14.062	14.791	15.732	16.195	16.294
74.5	24.295	23.134	20.335	16.641	13.869	14.602	15.552	16.020	16.110
75.0	24.147	23.022	20.196	16.483	13.711	14.436	15.385	15.858	15.925
75.5	23.998	22.882	20.070	16.303	13.540	14.265	15.205	15.664	15.759
76.0	23.877	22.756	19.930	16.150	13.356	14.071	15.025	15.498	15.579
76.5	23.733	22.630	19.773	15.997	13.180	13.914	14.854	15.327	15.421
77.0	23.589	22.495	19.660	15.835	13.027	13.743	14.674	15.169	15.259
77.5	23.517	22.387	19.512	15.669	12.847	13.554	14.512	14.989	15.111
78.0	23.382	22.252	19.354	15.525	12.699	13.401	14.350	14.823	14.931
78.5	23.229	22.117	19.242	15.345	12.523	13.234	14.188	14.661	14.773
79.0	23.148	21.991	19.107	15.214	12.361	13.054	14.017	14.503	14.580
79.5	22.990	21.870	18.954	15.079	12.199	12.888	13.855	14.332	14.431
80.0	22.918	21.744	18.841	14.904	12.046	12.726	13.693	14.175	14.274
80.5	22.788	21.636	18.697	14.769	11.902	12.568	13.522	14.031	14.134
81.0	22.657	21.519	18.567	14.625	11.745	12.406	13.387	13.864	13.950
81.5	22.572	21.379	18.450	14.481	11.614	12.271	13.234	13.716	13.801
82.0	22.423	21.262	18.310	14.355	11.466	12.109	13.063	13.581	13.662
82.5	22.324	21.168	18.171	14.224	11.313	11.943	12.919	13.428	13.513

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CANDELA TABULATION - (Cont.)

83.0	22.176	21.028	18.063	14.076	11.164	11.808	12.775	13.275	13.356
83.5	22.068	20.929	17.941	13.941	11.029	11.668	12.622	13.117	13.198
84.0	21.973	20.821	17.806	13.828	10.890	11.515	12.487	12.987	13.050
84.5	21.856	20.691	17.707	13.684	10.759	11.371	12.334	12.825	12.897
85.0	21.762	20.574	17.590	13.567	10.638	11.227	12.204	12.694	12.789
85.5	21.658	20.466	17.460	13.446	10.494	11.074	12.078	12.550	12.631
86.0	21.550	20.353	17.347	13.315	10.377	10.953	11.916	12.379	12.519
86.5	21.438	20.263	17.257	13.203	10.246	10.813	11.781	12.253	12.334
87.0	21.316	20.151	17.127	13.117	10.129	10.683	11.659	12.136	12.208
87.5	21.217	20.034	17.032	12.982	10.039	10.561	11.524	11.988	12.091
88.0	21.123	19.966	16.938	12.897	9.904	10.440	11.407	11.866	11.943
88.5	21.019	19.863	16.834	12.802	9.823	10.318	11.281	11.745	11.812
89.0	21.001	19.804	16.758	12.699	9.729	10.233	11.160	11.605	11.664
89.5	21.010	19.800	16.758	12.690	9.661	10.143	11.047	11.493	11.551
90.0	20.970	19.827	16.789	12.708	9.697	10.120	11.002	11.425	11.475
90.5	21.037	19.854	16.794	12.721	9.697	10.129	10.975	11.389	11.452
91.0	21.096	19.872	16.821	12.748	9.688	10.129	10.953	11.371	11.430
91.5	21.114	19.926	16.843	12.775	9.720	10.134	10.948	11.362	11.389
92.0	21.150	19.921	16.888	12.766	9.724	10.134	10.926	11.326	11.376
92.5	21.177	19.957	16.906	12.802	9.751	10.120	10.908	11.290	11.344
93.0	21.213	19.989	16.906	12.834	9.742	10.093	10.908	11.277	11.326
93.5	21.267	20.011	16.969	12.847	9.787	10.098	10.908	11.259	11.295
94.0	21.289	20.056	16.987	12.883	9.778	10.089	10.867	11.241	11.259
94.5	21.321	20.070	17.014	12.892	9.801	10.066	10.881	11.209	11.205
95.0	21.388	20.101	17.032	12.915	9.801	10.066	10.849	11.146	11.173
95.5	21.379	20.151	17.055	12.942	9.814	10.062	10.827	11.128	11.160
96.0	21.433	20.173	17.086	12.960	9.823	10.053	10.804	11.106	11.101
96.5	21.460	20.196	17.140	12.973	9.850	10.039	10.777	11.056	11.074
97.0	21.492	20.227	17.131	13.005	9.846	10.030	10.764	11.025	11.016
97.5	21.514	20.254	17.158	13.041	9.850	10.008	10.750	11.016	10.993
98.0	21.564	20.259	17.190	13.036	9.886	10.017	10.710	10.971	10.957
98.5	21.568	20.299	17.212	13.077	9.891	9.990	10.696	10.939	10.912
99.0	21.595	20.326	17.212	13.113	9.904	9.963	10.687	10.903	10.876
99.5	21.627	20.335	17.244	13.099	9.913	9.963	10.638	10.867	10.813
100.0	21.636	20.358	17.257	13.126	9.936	9.945	10.629	10.836	10.786
100.5	21.672	20.362	17.262	13.149	9.940	9.931	10.615	10.791	10.741
101.0	21.667	20.376	17.280	13.176	9.963	9.913	10.588	10.741	10.696
101.5	21.717	20.385	17.298	13.185	9.972	9.882	10.557	10.714	10.633
102.0	21.699	20.398	17.293	13.207	10.008	9.873	10.525	10.665	10.615
102.5	21.712	20.398	17.298	13.212	10.008	9.859	10.485	10.620	10.570
103.0	21.717	20.412	17.307	13.230	10.035	9.823	10.449	10.584	10.530
103.5	21.717	20.416	17.298	13.257	10.026	9.810	10.422	10.557	10.449
104.0	21.753	20.421	17.280	13.230	10.035	9.787	10.381	10.512	10.431
104.5	21.762	20.439	17.284	13.257	10.044	9.760	10.327	10.458	10.359
105.0	21.721	20.443	17.275	13.270	10.071	9.733	10.278	10.426	10.309
105.5	21.744	20.416	17.271	13.243	10.080	9.711	10.228	10.368	10.251
106.0	21.762	20.421	17.284	13.252	10.066	9.693	10.179	10.305	10.215
106.5	21.753	20.430	17.275	13.252	10.080	9.670	10.134	10.260	10.156
107.0	21.766	20.430	17.262	13.248	10.066	9.652	10.080	10.192	10.111
107.5	21.753	20.416	17.257	13.243	10.066	9.625	10.035	10.138	10.035
108.0	21.753	20.412	17.248	13.266	10.080	9.571	9.985	10.048	9.958
108.5	21.762	20.407	17.257	13.243	10.062	9.562	9.940	9.994	9.877
109.0	21.721	20.403	17.235	13.243	10.071	9.513	9.891	9.918	9.828
109.5	21.735	20.371	17.212	13.225	10.048	9.499	9.841	9.859	9.715
110.0	21.712	20.376	17.199	13.225	10.062	9.477	9.792	9.769	9.679
110.5	21.717	20.340	17.199	13.221	10.044	9.450	9.729	9.724	9.567

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CANDELA TABULATION - (Cont.)

111.0	21.690	20.344	17.181	13.234	10.048	9.423	9.688	9.648	9.486
111.5	21.676	20.331	17.181	13.216	10.026	9.400	9.616	9.585	9.445
112.0	21.622	20.322	17.163	13.212	10.021	9.355	9.571	9.504	9.346
112.5	21.636	20.304	17.127	13.198	10.030	9.342	9.531	9.441	9.256
113.0	21.627	20.277	17.127	13.185	10.026	9.301	9.481	9.373	9.175
113.5	21.600	20.254	17.104	13.167	10.012	9.283	9.409	9.279	9.112
114.0	21.564	20.241	17.073	13.167	10.008	9.261	9.364	9.229	9.040
114.5	21.573	20.214	17.059	13.144	10.003	9.216	9.319	9.126	8.950
115.0	21.519	20.182	17.019	13.126	9.981	9.189	9.225	9.027	8.847
115.5	21.501	20.187	17.001	13.113	9.985	9.153	9.202	8.937	8.766
116.0	21.456	20.124	16.965	13.081	9.949	9.148	9.126	8.815	8.671
116.5	21.460	20.106	16.942	13.077	9.963	9.094	9.049	8.721	8.577
117.0	21.402	20.074	16.906	13.054	9.940	9.076	9.018	8.635	8.415
117.5	21.352	20.029	16.893	13.032	9.918	9.045	8.968	8.514	8.329
118.0	21.325	19.998	16.839	12.996	9.900	9.004	8.896	8.424	8.185
118.5	21.285	19.980	16.812	12.978	9.873	8.973	8.833	8.325	8.082
119.0	21.231	19.921	16.780	12.969	9.859	8.946	8.797	8.221	7.956
119.5	21.186	19.894	16.749	12.946	9.859	8.919	8.716	8.104	7.821
120.0	21.145	19.867	16.722	12.910	9.828	8.887	8.680	7.983	7.699
120.5	21.114	19.795	16.686	12.865	9.805	8.842	8.613	7.875	7.582
121.0	21.069	19.764	16.632	12.865	9.769	8.811	8.541	7.776	7.461
121.5	20.988	19.732	16.587	12.843	9.769	8.766	8.509	7.677	7.335
122.0	20.952	19.665	16.555	12.789	9.756	8.730	8.446	7.564	7.204
122.5	20.889	19.620	16.524	12.757	9.720	8.716	8.388	7.470	7.096
123.0	20.839	19.579	16.465	12.744	9.697	8.662	8.338	7.366	6.975
123.5	20.772	19.494	16.416	12.685	9.679	8.635	8.289	7.276	6.826
124.0	20.763	19.431	16.384	12.667	9.670	8.608	8.208	7.168	6.727
124.5	20.650	19.386	16.335	12.636	9.634	8.563	8.167	7.078	6.619
125.0	20.574	19.314	16.290	12.600	9.603	8.554	8.127	6.979	6.507
125.5	20.497	19.255	16.222	12.550	9.580	8.514	8.077	6.894	6.421
126.0	20.407	19.174	16.173	12.523	9.571	8.496	8.046	6.817	6.327
126.5	20.371	19.098	16.114	12.478	9.549	8.473	7.987	6.727	6.232
127.0	20.236	19.039	16.065	12.456	9.535	8.451	7.920	6.655	6.138
127.5	20.146	18.949	15.997	12.415	9.517	8.415	7.884	6.592	6.066
128.0	20.083	18.868	15.939	12.366	9.486	8.406	7.843	6.493	5.985
128.5	19.984	18.778	15.876	12.339	9.486	8.397	7.785	6.412	5.908
129.0	19.885	18.729	15.822	12.289	9.445	8.356	7.740	6.322	5.832
129.5	19.818	18.630	15.745	12.258	9.427	8.329	7.708	6.246	5.782
130.0	19.687	18.567	15.682	12.195	9.409	8.280	7.627	6.174	5.710
130.5	19.611	18.477	15.610	12.163	9.409	8.266	7.596	6.106	5.616
131.0	19.521	18.387	15.543	12.136	9.364	8.239	7.551	6.043	5.575
131.5	19.444	18.310	15.484	12.078	9.346	8.221	7.497	5.958	5.535
132.0	19.314	18.220	15.399	12.064	9.333	8.203	7.452	5.895	5.458
132.5	19.197	18.103	15.336	11.997	9.306	8.176	7.420	5.827	5.391
133.0	19.116	18.018	15.264	11.943	9.265	8.149	7.366	5.769	5.377
133.5	18.994	17.928	15.187	11.907	9.261	8.127	7.326	5.724	5.310
134.0	18.895	17.820	15.115	11.853	9.220	8.118	7.276	5.661	5.287
134.5	18.801	17.721	15.039	11.794	9.216	8.091	7.245	5.593	5.229
135.0	18.688	17.626	14.944	11.740	9.180	8.055	7.200	5.553	5.184
135.5	18.580	17.505	14.886	11.695	9.153	8.059	7.155	5.503	5.139
136.0	18.459	17.442	14.796	11.641	9.121	8.010	7.101	5.422	5.080
136.5	18.346	17.338	14.719	11.605	9.099	7.987	7.051	5.386	5.022
137.0	18.220	17.217	14.638	11.538	9.076	7.960	7.033	5.332	4.959
137.5	18.094	17.113	14.557	11.488	9.031	7.938	6.966	5.269	4.936
138.0	17.959	17.005	14.472	11.443	9.022	7.897	6.943	5.242	4.923
138.5	17.856	16.888	14.400	11.385	8.995	7.897	6.925	5.197	4.864

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CANDELA TABULATION - (Cont.)

139.0	17.721	16.794	14.305	11.317	8.946	7.884	6.862	5.134	4.828
139.5	17.604	16.672	14.215	11.263	8.923	7.852	6.831	5.098	4.783
140.0	17.514	16.564	14.094	11.218	8.910	7.843	6.799	5.049	4.738
140.5	17.388	16.434	14.031	11.133	8.856	7.803	6.741	5.013	4.698
141.0	17.262	16.348	13.932	11.101	8.838	7.771	6.723	4.950	4.644
141.5	17.154	16.204	13.851	11.029	8.802	7.767	6.678	4.905	4.599
142.0	17.023	16.096	13.747	10.957	8.757	7.740	6.642	4.851	4.545
142.5	16.866	15.984	13.662	10.903	8.730	7.708	6.619	4.828	4.491
143.0	16.740	15.853	13.563	10.831	8.698	7.699	6.588	4.756	4.477
143.5	16.605	15.723	13.455	10.759	8.662	7.659	6.534	4.716	4.437
144.0	16.479	15.601	13.360	10.705	8.613	7.627	6.525	4.680	4.410
144.5	16.344	15.475	13.266	10.647	8.581	7.636	6.516	4.653	4.378
145.0	16.200	15.367	13.180	10.557	8.541	7.600	6.466	4.594	4.356
145.5	16.069	15.241	13.081	10.507	8.514	7.569	6.435	4.572	4.351
146.0	15.921	15.106	12.973	10.440	8.469	7.533	6.421	4.540	4.378
146.5	15.790	14.967	12.861	10.368	8.419	7.519	6.381	4.473	4.374
147.0	15.660	14.845	12.775	10.296	8.374	7.492	6.385	4.441	4.360
147.5	15.525	14.692	12.672	10.224	8.361	7.470	6.345	4.414	4.374
148.0	15.363	14.566	12.559	10.156	8.302	7.438	6.318	4.378	4.383
148.5	15.210	14.445	12.465	10.080	8.280	7.411	6.295	4.338	4.392
149.0	15.048	14.323	12.352	10.017	8.226	7.393	6.286	4.297	4.414
149.5	14.935	14.184	12.244	9.927	8.176	7.380	6.259	4.279	4.437
150.0	14.782	14.031	12.136	9.864	8.122	7.335	6.237	4.248	4.432
150.5	14.634	13.914	12.024	9.792	8.095	7.326	6.223	4.230	4.459
151.0	14.490	13.752	11.925	9.702	8.046	7.290	6.196	4.225	4.491
151.5	14.359	13.621	11.821	9.639	8.001	7.272	6.174	4.189	4.473
152.0	14.170	13.500	11.700	9.576	7.960	7.236	6.156	4.149	4.464
152.5	14.017	13.342	11.601	9.481	7.906	7.218	6.120	4.144	4.482
153.0	13.900	13.194	11.466	9.387	7.870	7.195	6.124	4.126	4.477
153.5	13.720	13.063	11.371	9.315	7.816	7.159	6.115	4.122	4.495
154.0	13.567	12.919	11.250	9.243	7.771	7.128	6.079	4.113	4.482
154.5	13.401	12.766	11.124	9.153	7.731	7.096	6.079	4.113	4.473
155.0	13.234	12.609	11.016	9.067	7.690	7.060	6.052	4.108	4.473
155.5	13.086	12.456	10.903	8.977	7.636	7.033	6.016	4.117	4.500
156.0	12.942	12.321	10.782	8.914	7.582	7.015	6.016	4.122	4.500
156.5	12.744	12.172	10.651	8.815	7.551	6.975	6.016	4.104	4.527
157.0	12.622	12.033	10.548	8.721	7.479	6.948	5.989	4.068	4.518
157.5	12.447	11.880	10.417	8.635	7.420	6.903	5.980	4.050	4.495
158.0	12.289	11.713	10.314	8.563	7.380	6.880	5.976	4.018	4.495
158.5	12.150	11.583	10.206	8.464	7.312	6.844	5.953	3.960	4.491
159.0	11.974	11.439	10.066	8.374	7.258	6.795	5.944	3.937	4.495
159.5	11.812	11.277	9.949	8.298	7.204	6.781	5.935	3.883	4.500
160.0	11.646	11.115	9.823	8.185	7.146	6.732	5.904	3.879	4.495
160.5	11.497	10.966	9.706	8.100	7.096	6.714	5.877	3.856	4.491
161.0	11.322	10.804	9.571	8.019	7.047	6.669	5.850	3.847	4.527
161.5	11.133	10.651	9.459	7.902	6.979	6.633	5.809	3.793	4.545
162.0	10.957	10.498	9.306	7.803	6.925	6.588	5.769	3.757	4.567
162.5	10.791	10.341	9.189	7.726	6.894	6.556	5.706	3.717	4.567
163.0	10.624	10.174	9.063	7.623	6.808	6.511	5.566	3.690	4.576
163.5	10.444	10.026	8.923	7.533	6.772	6.466	5.418	3.622	4.603
164.0	10.296	9.859	8.802	7.447	6.718	6.453	5.233	3.510	4.590
164.5	10.111	9.688	8.671	7.326	6.651	6.399	5.004	3.411	4.504
165.0	9.936	9.517	8.541	7.231	6.588	6.313	4.792	3.361	4.369
165.5	9.747	9.364	8.406	7.123	6.529	6.214	4.567	3.339	4.189
166.0	9.585	9.198	8.266	7.038	6.453	6.057	4.297	3.321	3.982
166.5	9.391	9.022	8.109	6.943	6.367	5.841	4.072	3.276	3.690

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CANDELA TABULATION - (Cont.)

167.0	9.193	8.856	7.983	6.853	6.232	5.611	3.892	3.253	3.343
167.5	9.018	8.689	7.852	6.741	6.039	5.337	3.712	3.159	3.042
168.0	8.815	8.491	7.672	6.655	5.769	5.040	3.600	3.096	2.682
168.5	8.631	8.316	7.537	6.547	5.530	4.761	3.528	3.019	2.349
169.0	8.442	8.154	7.411	6.385	5.206	4.464	3.447	2.871	1.953
169.5	8.244	7.983	7.245	6.187	4.918	4.176	3.415	2.709	1.530
170.0	8.037	7.798	7.078	5.922	4.594	3.955	3.352	2.475	1.138
170.5	7.839	7.564	6.903	5.647	4.320	3.811	3.262	2.187	0.823
171.0	7.636	7.348	6.646	5.359	4.090	3.667	3.190	1.935	0.504
171.5	7.452	7.164	6.426	5.058	3.933	3.586	3.064	1.719	0.333
172.0	7.236	6.957	6.210	4.770	3.793	3.528	2.848	1.462	0.297
172.5	7.051	6.673	5.908	4.558	3.672	3.424	2.596	1.210	0.292
173.0	6.727	6.417	5.620	4.360	3.568	3.307	2.340	0.967	0.279
173.5	6.340	6.124	5.296	4.126	3.438	3.069	2.002	0.819	0.238
174.0	6.133	5.746	4.923	3.937	3.330	2.722	1.656	0.756	0.207
174.5	5.796	5.382	4.585	3.721	3.127	2.376	1.323	0.679	0.175
175.0	5.391	4.990	4.261	3.451	2.835	1.980	1.057	0.621	0.135
175.5	4.864	4.536	3.879	3.177	2.475	1.548	0.904	0.513	0.099
176.0	4.338	4.032	3.501	2.848	2.092	1.174	0.801	0.427	0.130
176.5	3.771	3.465	3.055	2.385	1.647	0.904	0.684	0.301	0.103
177.0	3.109	2.889	2.556	1.912	1.246	0.760	0.576	0.198	0.085
177.5	2.425	2.241	2.083	1.489	0.918	0.670	0.486	0.130	0.085
178.0	1.696	1.570	1.588	1.012	0.675	0.558	0.382	0.108	0.144
178.5	1.080	1.003	1.048	0.643	0.544	0.459	0.288	0.117	0.099
179.0	0.634	0.603	0.562	0.400	0.423	0.364	0.225	0.108	0.112
179.5	0.225	0.342	0.216	0.216	0.292	0.292	0.139	0.112	0.157
180.0	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162	0.162

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	18.34	N.A.	7.40
0-30	42.12	N.A.	16.90
0-40	70.88	N.A.	28.50
0-60	121.28	N.A.	48.70
0-80	160.46	N.A.	64.40
0-90	176.29	N.A.	70.80
10-90	172.13	N.A.	69.10
20-40	52.54	N.A.	21.10
20-50	79.64	N.A.	32.00
40-70	71.18	N.A.	28.60
60-80	39.18	N.A.	15.70
70-80	18.41	N.A.	7.40
80-90	15.83	N.A.	6.40
90-110	28.94	N.A.	11.60
90-120	41.70	N.A.	16.70
90-130	52.36	N.A.	21.00
90-150	66.75	N.A.	26.80
90-180	72.84	N.A.	29.20
110-180	43.90	N.A.	17.60
0-180	249.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.16
10-20	14.19
20-30	23.78
30-40	28.76
40-50	27.11
50-60	23.30
60-70	20.77
70-80	18.41
80-90	15.83
90-100	14.75
100-110	14.19
110-120	12.76
120-130	10.66
130-140	8.36
140-150	6.03
150-160	3.86
160-170	1.90
170-180	0.33

IES INDOOR REPORT
PHOTOMETRIC FILENAME : POR 1 LIGHT.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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71	71
1	100	94	89	85	94	89	85	81	80	76	73	71	68	66	63	61	59	54	54
2	90	81	74	68	85	77	71	65	69	64	59	61	57	53	54	51	48	44	44
3	82	71	63	56	77	67	60	54	60	54	49	54	49	44	47	44	40	37	37
4	75	63	54	47	70	60	51	45	53	47	41	48	42	38	42	38	34	31	31
5	69	56	47	40	65	53	45	39	48	41	36	43	37	33	38	33	30	27	27
6	63	50	41	35	60	48	40	34	43	36	31	39	33	29	34	30	26	23	23
7	59	45	37	31	55	43	35	29	39	32	27	35	29	25	31	27	23	21	21
8	54	41	33	27	51	39	32	26	36	29	24	32	26	22	29	24	21	18	18
9	51	38	30	24	48	36	28	23	33	26	22	29	24	20	27	22	19	16	16
10	47	35	27	22	45	33	26	21	30	24	20	27	22	18	25	20	17	15	15

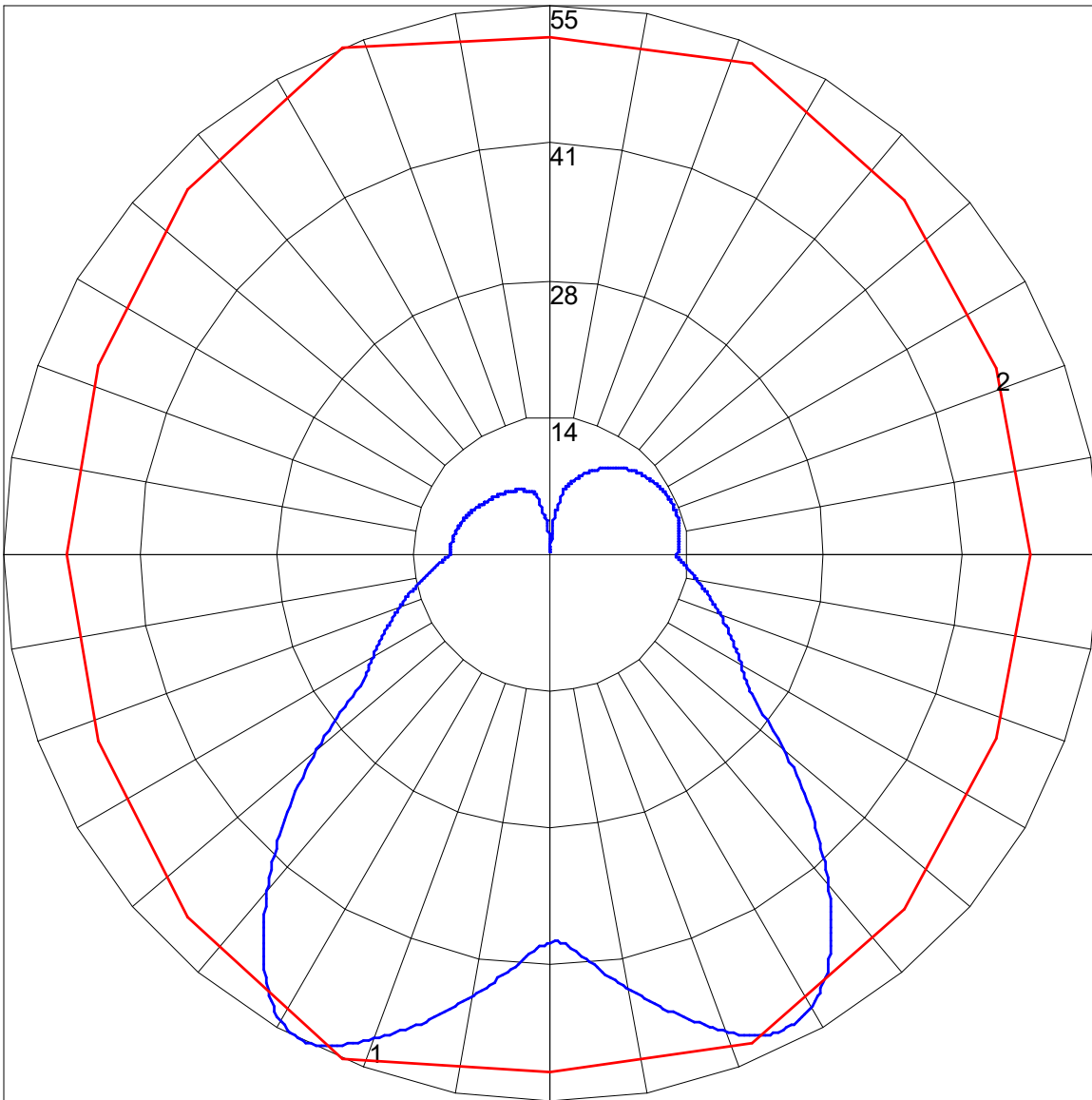
IES INDOOR REPORT
PHOTOMETRIC FILENAME : POR 1 LIGHT.IES

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	10.0	11.1	10.7	11.9	12.8	8.2	9.4	8.9	10.1	11.1
	3H	12.3	13.4	13.0	14.1	15.1	10.0	11.1	10.8	11.9	12.9
	4H	13.4	14.4	14.2	15.2	16.2	10.9	11.9	11.6	12.7	13.6
	6H	14.5	15.5	15.3	16.3	17.3	11.6	12.6	12.4	13.4	14.3
	8H	15.1	15.9	15.9	16.8	17.8	12.0	12.9	12.8	13.7	14.7
	12H	15.6	16.4	16.4	17.2	18.3	12.3	13.1	13.1	13.9	15.0
4H	2H	10.5	11.5	11.3	12.3	13.3	9.0	10.0	9.8	10.8	11.8
	3H	13.1	14.0	13.9	14.8	15.8	11.1	12.0	11.9	12.8	13.8
	4H	14.4	15.2	15.2	16.0	17.0	12.1	12.9	12.9	13.7	14.7
	6H	15.7	16.4	16.5	17.2	18.3	13.0	13.7	13.8	14.5	15.5
	8H	16.3	17.0	17.1	17.8	18.9	13.4	14.1	14.2	14.9	15.9
	12H	16.9	17.5	17.8	18.4	19.5	13.8	14.4	14.6	15.3	16.3
8H	4H	14.7	15.4	15.6	16.3	17.3	12.7	13.3	13.5	14.2	15.2
	6H	16.3	16.8	17.1	17.7	18.7	13.8	14.4	14.6	15.2	16.3
	8H	17.0	17.6	17.9	18.4	19.5	14.3	14.8	15.2	15.7	16.8
	12H	17.9	18.3	18.7	19.2	20.3	14.9	15.3	15.7	16.2	17.3
12H	4H	14.8	15.4	15.6	16.3	17.3	12.8	13.4	13.7	14.3	15.3
	6H	16.4	16.9	17.2	17.8	18.8	14.0	14.5	14.9	15.4	16.5
	8H	17.2	17.7	18.1	18.6	19.7	14.7	15.1	15.5	16.0	17.1

Maximum UGR = 20.3

POLAR GRAPH



Maximum Candela = 55.017 Located At Horizontal Angle = 112.5, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (112.5 - 292.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)