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**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CLD-7563W.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LLI-19280-1  
[TESTLAB] LightLab International ([www.LightLabInternational.com](http://www.LightLabInternational.com))  
[MANUFAC] Justice Design, 500 S Grand Ave Suite 1100, Los Angeles, CA 90071  
[LUMCAT] CLD-7563W  
[LUMINAIRE] Justice Design - Post top luminaire. Product ID: CLD-7563W  
[MORE] Silver formed steel base and frosted clear glass box lens with white interior.  
[MORE] 28 LEDs in circular array with clear plastic dome cover.  
[MORE] No driver  
[MORE] Operating at 120v AC 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: Tuesday, October 15, 2019 11:03:26 AM  
[ISSUEDATE] Tuesday, October 15, 2019 11:03:26 AM

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	708
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.18 m
Luminous Width (90-270)	0.18 m
Luminous Height	0.38 m

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	531	507	518
55	620	587	604
65	702	657	685
75	782	722	763
85	861	783	840

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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>
<b>0.0</b>	0.281	0.281	0.281	0.281	0.281
<b>0.5</b>	0.337	0.300	0.318	0.300	0.300
<b>1.0</b>	0.356	0.328	0.365	0.328	0.346
<b>1.5</b>	0.412	0.374	0.412	0.384	0.365
<b>2.0</b>	0.477	0.421	0.487	0.421	0.477
<b>2.5</b>	0.496	0.505	0.543	0.487	0.515
<b>3.0</b>	0.580	0.599	0.618	0.562	0.571
<b>3.5</b>	0.711	0.721	0.683	0.655	0.683
<b>4.0</b>	0.777	0.814	0.739	0.777	0.758
<b>4.5</b>	0.955	0.927	0.861	0.899	0.936
<b>5.0</b>	1.170	1.123	0.983	1.095	1.151
<b>5.5</b>	1.460	1.376	1.114	1.367	1.404
<b>6.0</b>	1.788	1.647	1.320	1.610	1.685
<b>6.5</b>	2.078	1.928	1.713	1.919	2.040
<b>7.0</b>	2.331	2.218	2.087	2.218	2.321
<b>7.5</b>	2.677	2.490	2.424	2.537	2.640
<b>8.0</b>	3.023	2.827	2.761	2.836	3.014
<b>8.5</b>	3.388	3.173	3.089	3.182	3.323
<b>9.0</b>	3.781	3.538	3.491	3.529	3.678
<b>9.5</b>	4.146	3.941	3.922	3.931	4.081
<b>10.0</b>	4.530	4.315	4.343	4.259	4.427
<b>10.5</b>	4.923	4.727	4.746	4.652	4.820
<b>11.0</b>	5.335	5.167	5.232	5.064	5.232
<b>11.5</b>	5.719	5.588	5.682	5.494	5.625
<b>12.0</b>	6.159	6.047	6.140	5.916	6.009
<b>12.5</b>	6.571	6.496	6.674	6.402	6.458
<b>13.0</b>	7.001	6.954	7.160	6.861	6.833
<b>13.5</b>	7.432	7.441	7.638	7.301	7.310
<b>14.0</b>	7.862	7.909	8.209	7.750	7.703
<b>14.5</b>	8.340	8.405	8.714	8.265	8.134
<b>15.0</b>	8.780	8.901	9.229	8.705	8.574
<b>15.5</b>	9.182	9.388	9.781	9.201	9.051
<b>16.0</b>	9.688	9.875	10.324	9.697	9.426
<b>16.5</b>	10.109	10.408	10.839	10.184	9.903
<b>17.0</b>	10.586	10.932	11.438	10.727	10.362
<b>17.5</b>	11.064	11.447	12.009	11.232	10.783
<b>18.0</b>	11.522	11.962	12.561	11.728	11.251
<b>18.5</b>	11.981	12.486	13.132	12.224	11.691
<b>19.0</b>	12.449	13.029	13.703	12.758	12.149
<b>19.5</b>	12.936	13.535	14.274	13.263	12.645
<b>20.0</b>	13.375	14.106	14.882	13.815	13.104
<b>20.5</b>	13.834	14.639	15.491	14.358	13.544
<b>21.0</b>	14.302	15.173	16.043	14.910	14.012
<b>21.5</b>	14.779	15.734	16.633	15.472	14.489
<b>22.0</b>	15.247	16.286	17.241	16.052	14.929
<b>22.5</b>	15.725	16.839	17.840	16.558	15.360
<b>23.0</b>	16.240	17.400	18.458	17.129	15.846
<b>23.5</b>	16.689	17.971	19.038	17.672	16.333
<b>24.0</b>	17.166	18.542	19.656	18.243	16.782
<b>24.5</b>	17.662	19.094	20.274	18.814	17.260
<b>25.0</b>	18.140	19.675	20.910	19.356	17.737
<b>25.5</b>	18.608	20.264	21.472	19.909	18.224
<b>26.0</b>	19.094	20.817	22.127	20.508	18.683
<b>26.5</b>	19.590	21.378	22.717	21.069	19.132

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

27.0	20.077	21.977	23.334	21.603	19.609
27.5	20.517	22.530	23.980	22.183	20.077
28.0	21.023	23.100	24.598	22.726	20.536
28.5	21.500	23.662	25.206	23.306	21.032
29.0	22.033	24.224	25.843	23.877	21.481
29.5	22.520	24.813	26.451	24.486	21.930
30.0	22.969	25.384	27.041	25.029	22.427
30.5	23.466	25.974	27.706	25.600	22.904
31.0	23.934	26.536	28.295	26.189	23.353
31.5	24.448	27.144	28.922	26.732	23.877
32.0	24.888	27.715	29.559	27.331	24.308
32.5	25.384	28.295	30.195	27.902	24.738
33.0	25.862	28.857	30.794	28.436	25.235
33.5	26.348	29.437	31.403	29.044	25.712
34.0	26.798	30.036	32.049	29.596	26.142
34.5	27.275	30.626	32.657	30.139	26.610
35.0	27.752	31.188	33.294	30.738	27.069
35.5	28.258	31.749	33.883	31.290	27.509
36.0	28.716	32.329	34.510	31.843	28.024
36.5	29.194	32.900	35.119	32.432	28.464
37.0	29.671	33.481	35.708	32.985	28.894
37.5	30.130	34.042	36.326	33.556	29.390
38.0	30.607	34.604	36.944	34.127	29.868
38.5	31.103	35.175	37.552	34.651	30.280
39.0	31.524	35.718	38.151	35.212	30.757
39.5	32.049	36.307	38.788	35.793	31.225
40.0	32.498	36.860	39.368	36.326	31.637
40.5	32.900	37.412	39.977	36.897	32.077
41.0	33.396	37.974	40.576	37.440	32.526
41.5	33.864	38.544	41.156	38.002	32.985
42.0	34.314	39.097	41.755	38.535	33.425
42.5	34.754	39.630	42.345	39.087	33.874
43.0	35.175	40.182	42.962	39.621	34.276
43.5	35.671	40.716	43.515	40.145	34.716
44.0	36.064	41.287	44.114	40.716	35.175
44.5	36.513	41.830	44.694	41.240	35.596
45.0	36.981	42.345	45.237	41.774	36.036
45.5	37.403	42.897	45.836	42.298	36.476
46.0	37.861	43.430	46.407	42.822	36.897
46.5	38.292	43.964	46.950	43.337	37.281
47.0	38.694	44.497	47.530	43.898	37.730
47.5	39.162	45.031	48.101	44.394	38.142
48.0	39.574	45.536	48.625	44.862	38.591
48.5	39.977	46.070	49.206	45.452	39.003
49.0	40.398	46.585	49.767	45.930	39.349
49.5	40.819	47.100	50.319	46.435	39.789
50.0	41.212	47.596	50.853	46.950	40.182
50.5	41.615	48.138	51.377	47.436	40.557
51.0	42.026	48.597	51.929	47.933	40.978
51.5	42.438	49.112	52.453	48.429	41.371
52.0	42.859	49.617	52.968	48.943	41.764
52.5	43.234	50.076	53.492	49.393	42.167
53.0	43.664	50.591	54.026	49.908	42.532
53.5	44.020	51.068	54.531	50.394	42.869
54.0	44.413	51.546	55.074	50.834	43.299
54.5	44.769	52.023	55.533	51.321	43.646

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**CANDELA TABULATION - (Cont.)**

55.0	45.162	52.491	56.048	51.798	44.001
55.5	45.527	52.940	56.544	52.229	44.376
56.0	45.930	53.418	57.049	52.734	44.750
56.5	46.266	53.914	57.527	53.165	45.096
57.0	46.650	54.344	58.023	53.595	45.462
57.5	46.978	54.793	58.500	54.054	45.845
58.0	47.352	55.243	58.949	54.513	46.164
58.5	47.680	55.692	59.417	54.915	46.538
59.0	48.036	56.113	59.895	55.374	46.866
59.5	48.401	56.544	60.344	55.804	47.165
60.0	48.728	56.965	60.812	56.216	47.511
60.5	49.103	57.386	61.271	56.647	47.848
61.0	49.383	57.826	61.673	57.087	48.157
61.5	49.702	58.219	62.122	57.470	48.475
62.0	50.001	58.640	62.562	57.864	48.794
62.5	50.357	59.043	63.002	58.285	49.093
63.0	50.675	59.436	63.442	58.659	49.402
63.5	50.928	59.820	63.845	59.080	49.720
64.0	51.255	60.204	64.247	59.464	50.029
64.5	51.564	60.587	64.659	59.838	50.310
65.0	51.873	60.962	65.043	60.213	50.619
65.5	52.145	61.364	65.473	60.578	50.900
66.0	52.425	61.720	65.810	60.924	51.209
66.5	52.762	62.094	66.231	61.308	51.480
67.0	53.006	62.459	66.596	61.673	51.733
67.5	53.296	62.778	66.990	61.982	52.004
68.0	53.558	63.161	67.317	62.366	52.276
68.5	53.876	63.498	67.663	62.675	52.500
69.0	54.082	63.826	68.066	62.993	52.772
69.5	54.382	64.153	68.394	63.395	53.024
70.0	54.606	64.500	68.712	63.676	53.277
70.5	54.850	64.799	69.067	63.976	53.520
71.0	55.093	65.099	69.386	64.313	53.736
71.5	55.308	65.436	69.713	64.612	53.998
72.0	55.580	65.698	70.060	64.930	54.204
72.5	55.786	66.025	70.350	65.202	54.438
73.0	56.029	66.316	70.668	65.511	54.634
73.5	56.226	66.568	70.968	65.773	54.850
74.0	56.431	66.849	71.258	66.054	55.056
74.5	56.647	67.158	71.510	66.344	55.252
75.0	56.862	67.401	71.791	66.587	55.495
75.5	57.059	67.645	72.081	66.858	55.683
76.0	57.246	67.916	72.343	67.121	55.860
76.5	57.396	68.169	72.615	67.364	56.010
77.0	57.592	68.412	72.858	67.617	56.216
77.5	57.742	68.674	73.111	67.823	56.357
78.0	57.892	68.862	73.345	68.066	56.553
78.5	58.069	69.096	73.570	68.281	56.694
79.0	58.266	69.311	73.776	68.487	56.881
79.5	58.378	69.498	74.000	68.674	57.012
80.0	58.509	69.723	74.215	68.890	57.143
80.5	58.668	69.910	74.384	69.067	57.293
81.0	58.809	70.088	74.599	69.245	57.424
81.5	58.912	70.237	74.777	69.442	57.555
82.0	59.052	70.434	74.936	69.601	57.648
82.5	59.165	70.593	75.123	69.751	57.742

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**CANDELA TABULATION - (Cont.)**

83.0	59.277	70.752	75.292	69.929	57.854
83.5	59.342	70.902	75.432	70.060	57.948
84.0	59.473	71.024	75.573	70.200	58.032
84.5	59.520	71.173	75.732	70.350	58.154
85.0	59.651	71.295	75.825	70.471	58.210
85.5	59.679	71.398	75.956	70.565	58.322
86.0	59.764	71.520	76.087	70.687	58.397
86.5	59.829	71.623	76.172	70.752	58.463
87.0	59.848	71.698	76.275	70.874	58.481
87.5	59.876	71.782	76.350	70.958	58.537
88.0	59.923	71.801	76.387	71.005	58.537
88.5	59.923	71.875	76.434	71.042	58.594
89.0	59.941	71.913	76.471	71.089	58.640
89.5	59.960	71.932	76.499	71.127	58.612
90.0	59.941	71.969	76.518	71.117	58.659
90.5	59.960	71.960	76.537	71.127	58.650
91.0	59.970	71.941	76.527	71.127	58.678
91.5	59.960	71.922	76.527	71.127	58.659
92.0	59.979	71.988	76.574	71.173	58.771
92.5	60.054	72.053	76.593	71.230	58.781
93.0	60.157	72.138	76.696	71.314	58.874
93.5	60.241	72.203	76.752	71.426	58.987
94.0	60.306	72.315	76.855	71.501	59.052
94.5	60.419	72.390	76.967	71.567	59.165
95.0	60.503	72.474	77.014	71.698	59.286
95.5	60.597	72.568	77.108	71.763	59.370
96.0	60.709	72.624	77.164	71.819	59.455
96.5	60.793	72.737	77.229	71.913	59.567
97.0	60.859	72.783	77.267	71.969	59.651
97.5	60.906	72.858	77.332	72.006	59.736
98.0	61.027	72.886	77.388	72.091	59.801
98.5	61.083	72.942	77.398	72.128	59.829
99.0	61.130	72.952	77.454	72.166	59.923
99.5	61.140	72.999	77.435	72.203	59.960
100.0	61.224	73.027	77.435	72.203	59.998
100.5	61.242	73.045	77.482	72.231	60.072
101.0	61.308	73.036	77.491	72.269	60.101
101.5	61.355	73.017	77.463	72.278	60.147
102.0	61.374	73.055	77.463	72.287	60.175
102.5	61.402	73.027	77.445	72.287	60.204
103.0	61.411	73.055	77.417	72.269	60.204
103.5	61.420	73.027	77.398	72.250	60.241
104.0	61.448	73.008	77.360	72.240	60.278
104.5	61.439	72.971	77.332	72.222	60.250
105.0	61.448	72.952	77.295	72.175	60.288
105.5	61.439	72.924	77.239	72.147	60.297
106.0	61.411	72.868	77.164	72.138	60.278
106.5	61.430	72.830	77.108	72.063	60.306
107.0	61.392	72.802	77.052	72.063	60.297
107.5	61.374	72.737	76.977	71.978	60.260
108.0	61.364	72.671	76.902	71.913	60.269
108.5	61.345	72.606	76.808	71.847	60.232
109.0	61.280	72.540	76.705	71.810	60.213
109.5	61.271	72.428	76.668	71.726	60.175
110.0	61.252	72.381	76.537	71.641	60.166
110.5	61.177	72.278	76.434	71.548	60.101

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**CANDELA TABULATION - (Cont.)**

<b>111.0</b>	61.121	72.212	76.321	71.464	60.101
<b>111.5</b>	61.130	72.081	76.228	71.379	60.007
<b>112.0</b>	61.018	71.997	76.059	71.295	59.988
<b>112.5</b>	60.971	71.885	75.966	71.145	59.913
<b>113.0</b>	60.934	71.782	75.825	71.052	59.895
<b>113.5</b>	60.812	71.651	75.676	70.939	59.820
<b>114.0</b>	60.746	71.520	75.554	70.818	59.736
<b>114.5</b>	60.718	71.417	75.414	70.743	59.679
<b>115.0</b>	60.578	71.276	75.217	70.574	59.633
<b>115.5</b>	60.494	71.108	75.086	70.425	59.530
<b>116.0</b>	60.456	70.996	74.946	70.312	59.445
<b>116.5</b>	60.353	70.865	74.749	70.134	59.342
<b>117.0</b>	60.250	70.677	74.599	70.022	59.286
<b>117.5</b>	60.138	70.546	74.412	69.882	59.174
<b>118.0</b>	60.026	70.397	74.215	69.704	59.080
<b>118.5</b>	59.904	70.228	74.028	69.554	58.996
<b>119.0</b>	59.848	70.032	73.860	69.376	58.818
<b>119.5</b>	59.689	69.882	73.616	69.198	58.753
<b>120.0</b>	59.558	69.695	73.448	69.002	58.659
<b>120.5</b>	59.464	69.507	73.214	68.852	58.547
<b>121.0</b>	59.286	69.301	72.999	68.656	58.397
<b>121.5</b>	59.165	69.105	72.793	68.478	58.294
<b>122.0</b>	59.052	68.918	72.577	68.291	58.144
<b>122.5</b>	58.893	68.693	72.334	68.057	58.004
<b>123.0</b>	58.743	68.506	72.109	67.851	57.845
<b>123.5</b>	58.612	68.309	71.904	67.663	57.723
<b>124.0</b>	58.425	68.075	71.632	67.429	57.573
<b>124.5</b>	58.238	67.869	71.398	67.205	57.433
<b>125.0</b>	58.116	67.579	71.155	66.990	57.274
<b>125.5</b>	57.957	67.355	70.893	66.765	57.152
<b>126.0</b>	57.779	67.111	70.631	66.512	56.974
<b>126.5</b>	57.611	66.887	70.378	66.288	56.806
<b>127.0</b>	57.414	66.643	70.069	66.044	56.647
<b>127.5</b>	57.274	66.362	69.826	65.801	56.460
<b>128.0</b>	57.068	66.156	69.526	65.539	56.291
<b>128.5</b>	56.862	65.876	69.198	65.277	56.085
<b>129.0</b>	56.665	65.604	68.964	65.024	55.926
<b>129.5</b>	56.478	65.323	68.665	64.771	55.739
<b>130.0</b>	56.263	65.052	68.328	64.509	55.533
<b>130.5</b>	56.085	64.781	68.038	64.228	55.346
<b>131.0</b>	55.879	64.528	67.766	63.938	55.158
<b>131.5</b>	55.655	64.219	67.429	63.695	54.962
<b>132.0</b>	55.439	63.957	67.139	63.386	54.747
<b>132.5</b>	55.261	63.648	66.821	63.152	54.541
<b>133.0</b>	54.953	63.358	66.475	62.843	54.325
<b>133.5</b>	54.765	63.086	66.147	62.562	54.110
<b>134.0</b>	54.531	62.778	65.810	62.263	53.895
<b>134.5</b>	54.307	62.459	65.473	61.944	53.698
<b>135.0</b>	54.082	62.141	65.146	61.645	53.436
<b>135.5</b>	53.857	61.842	64.809	61.383	53.174
<b>136.0</b>	53.586	61.542	64.425	61.055	52.996
<b>136.5</b>	53.371	61.224	64.088	60.737	52.772
<b>137.0</b>	53.127	60.877	63.751	60.438	52.528
<b>137.5</b>	52.865	60.559	63.348	60.101	52.285
<b>138.0</b>	52.641	60.213	62.993	59.773	52.042
<b>138.5</b>	52.388	59.895	62.618	59.455	51.789

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	52.098	59.558	62.235	59.108	51.527
139.5	51.826	59.211	61.879	58.781	51.312
140.0	51.564	58.865	61.505	58.444	51.012
140.5	51.302	58.509	61.074	58.088	50.759
141.0	51.031	58.163	60.690	57.751	50.525
141.5	50.806	57.789	60.325	57.405	50.235
142.0	50.450	57.442	59.876	57.021	49.964
142.5	50.160	57.068	59.511	56.684	49.702
143.0	49.889	56.703	59.090	56.338	49.421
143.5	49.608	56.347	58.640	55.954	49.159
144.0	49.318	55.935	58.229	55.580	48.887
144.5	49.046	55.561	57.826	55.215	48.606
145.0	48.728	55.177	57.358	54.840	48.298
145.5	48.447	54.803	56.974	54.466	48.036
146.0	48.148	54.419	56.534	54.082	47.764
146.5	47.839	54.007	56.094	53.708	47.427
147.0	47.521	53.614	55.664	53.315	47.128
147.5	47.202	53.212	55.215	52.921	46.847
148.0	46.866	52.809	54.803	52.491	46.575
148.5	46.566	52.379	54.400	52.107	46.210
149.0	46.285	51.985	53.960	51.714	45.911
149.5	45.930	51.574	53.549	51.265	45.621
150.0	45.611	51.152	53.146	50.890	45.312
150.5	45.302	50.712	52.697	50.460	44.965
151.0	44.947	50.263	52.266	50.020	44.657
151.5	44.619	49.870	51.854	49.608	44.357
152.0	44.273	49.411	51.414	49.168	44.001
152.5	43.945	48.972	50.984	48.747	43.683
153.0	43.608	48.550	50.553	48.307	43.365
153.5	43.299	48.110	50.142	47.876	43.000
154.0	42.934	47.680	49.674	47.446	42.700
154.5	42.560	47.240	49.234	47.043	42.354
155.0	42.242	46.809	48.784	46.632	42.026
155.5	41.895	46.351	48.298	46.182	41.652
156.0	41.512	45.948	47.867	45.761	41.343
156.5	41.221	45.490	47.408	45.340	41.006
157.0	40.856	45.068	46.931	44.919	40.688
157.5	40.491	44.647	46.463	44.507	40.379
158.0	40.257	44.226	46.014	44.086	40.042
158.5	39.883	43.767	45.518	43.627	39.743
159.0	39.518	43.309	45.040	43.206	39.396
159.5	39.237	42.850	44.582	42.747	39.097
160.0	38.863	42.438	44.058	42.298	38.750
160.5	38.526	41.980	43.580	41.886	38.385
161.0	38.208	41.512	43.084	41.427	38.067
161.5	37.833	41.044	42.579	40.959	37.777
162.0	37.459	40.585	42.064	40.519	37.384
162.5	37.169	40.117	41.605	40.042	37.066
163.0	36.775	39.668	41.062	39.574	36.701
163.5	36.457	39.181	40.576	39.134	36.345
164.0	36.092	38.722	40.080	38.647	36.036
164.5	35.708	38.236	39.527	38.179	35.652
165.0	35.343	37.768	39.050	37.711	35.297
165.5	35.016	37.281	38.498	37.225	34.913
166.0	34.595	36.813	37.974	36.766	34.595
166.5	34.258	36.317	37.449	36.270	34.239



**IES INDOOR REPORT  
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**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	33.883	35.811	36.935	35.783	33.827
<b>167.5</b>	33.546	35.325	36.382	35.306	33.471
<b>168.0</b>	33.144	34.829	35.858	34.838	33.134
<b>168.5</b>	32.788	34.332	35.325	34.323	32.732
<b>169.0</b>	32.395	33.818	34.772	33.799	32.348
<b>169.5</b>	31.992	33.322	34.239	33.331	31.983
<b>170.0</b>	31.618	32.807	33.687	32.844	31.599
<b>170.5</b>	31.244	32.320	33.116	32.339	31.225
<b>171.0</b>	30.822	31.787	32.592	31.843	30.813
<b>171.5</b>	30.476	31.328	32.049	31.356	30.439
<b>172.0</b>	30.027	30.822	31.468	30.804	30.008
<b>172.5</b>	29.634	30.336	30.935	30.308	29.662
<b>173.0</b>	29.287	29.830	30.383	29.821	29.231
<b>173.5</b>	28.848	29.344	29.784	29.297	28.857
<b>174.0</b>	28.445	28.829	29.241	28.848	28.492
<b>174.5</b>	28.099	28.323	28.679	28.370	28.071
<b>175.0</b>	27.659	27.865	28.089	27.883	27.715
<b>175.5</b>	27.256	27.415	27.575	27.415	27.275
<b>176.0</b>	26.863	26.957	27.050	26.966	26.844
<b>176.5</b>	26.470	26.517	26.526	26.489	26.442
<b>177.0</b>	26.058	26.086	26.114	26.068	26.096
<b>177.5</b>	25.712	25.703	25.740	25.721	25.740
<b>178.0</b>	25.431	25.384	25.384	25.356	25.422
<b>178.5</b>	25.188	25.169	25.113	25.104	25.160
<b>179.0</b>	24.954	24.972	24.888	24.907	25.001
<b>179.5</b>	24.795	24.860	24.851	24.860	24.916
<b>180.0</b>	24.898	24.898	24.898	24.898	24.898

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CLD-7563W.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2.91	N.A.	0.40
0-30	12.09	N.A.	1.70
0-40	31.48	N.A.	4.40
0-60	109.66	N.A.	15.50
0-80	237.75	N.A.	33.60
0-90	313.02	N.A.	44.20
10-90	312.81	N.A.	44.20
20-40	28.57	N.A.	4.00
20-50	60.77	N.A.	8.60
40-70	137.08	N.A.	19.40
60-80	128.09	N.A.	18.10
70-80	69.20	N.A.	9.80
80-90	75.27	N.A.	10.60
90-110	151.48	N.A.	21.40
90-120	220.21	N.A.	31.10
90-130	279.27	N.A.	39.40
90-150	360.26	N.A.	50.90
90-180	395.26	N.A.	55.80
110-180	243.78	N.A.	34.40
0-180	708.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.21
10-20	2.69
20-30	9.18
30-40	19.39
40-50	32.20
50-60	45.98
60-70	58.90
70-80	69.20
80-90	75.27
90-100	76.65
100-110	74.84
110-120	68.73
120-130	59.06
130-140	47.01
140-150	33.98
150-160	21.44
160-170	10.75
170-180	2.82

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CLD-7563W.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	
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	91	84	78	73	82	77	71	67	62	58	54	49	46	43	36	34	32	26
2	81	71	62	55	73	64	57	50	51	46	41	40	35	32	29	26	23	18
3	72	60	51	44	65	55	46	40	43	37	32	33	28	24	24	20	17	12
4	65	52	43	35	59	47	39	32	38	31	26	29	24	19	20	17	13	9
5	59	46	36	29	53	41	33	26	33	26	21	25	20	16	18	14	11	7
6	54	41	31	25	49	37	28	22	29	23	18	22	17	13	16	12	9	6
7	50	36	27	21	45	33	25	19	26	20	15	20	15	11	14	10	7	4
8	46	32	24	18	41	29	22	16	23	17	13	18	13	10	13	9	6	4
9	43	29	21	16	38	27	19	14	21	15	11	16	12	8	12	8	5	3
10	40	27	19	14	36	24	17	12	19	14	10	15	10	7	11	7	5	3

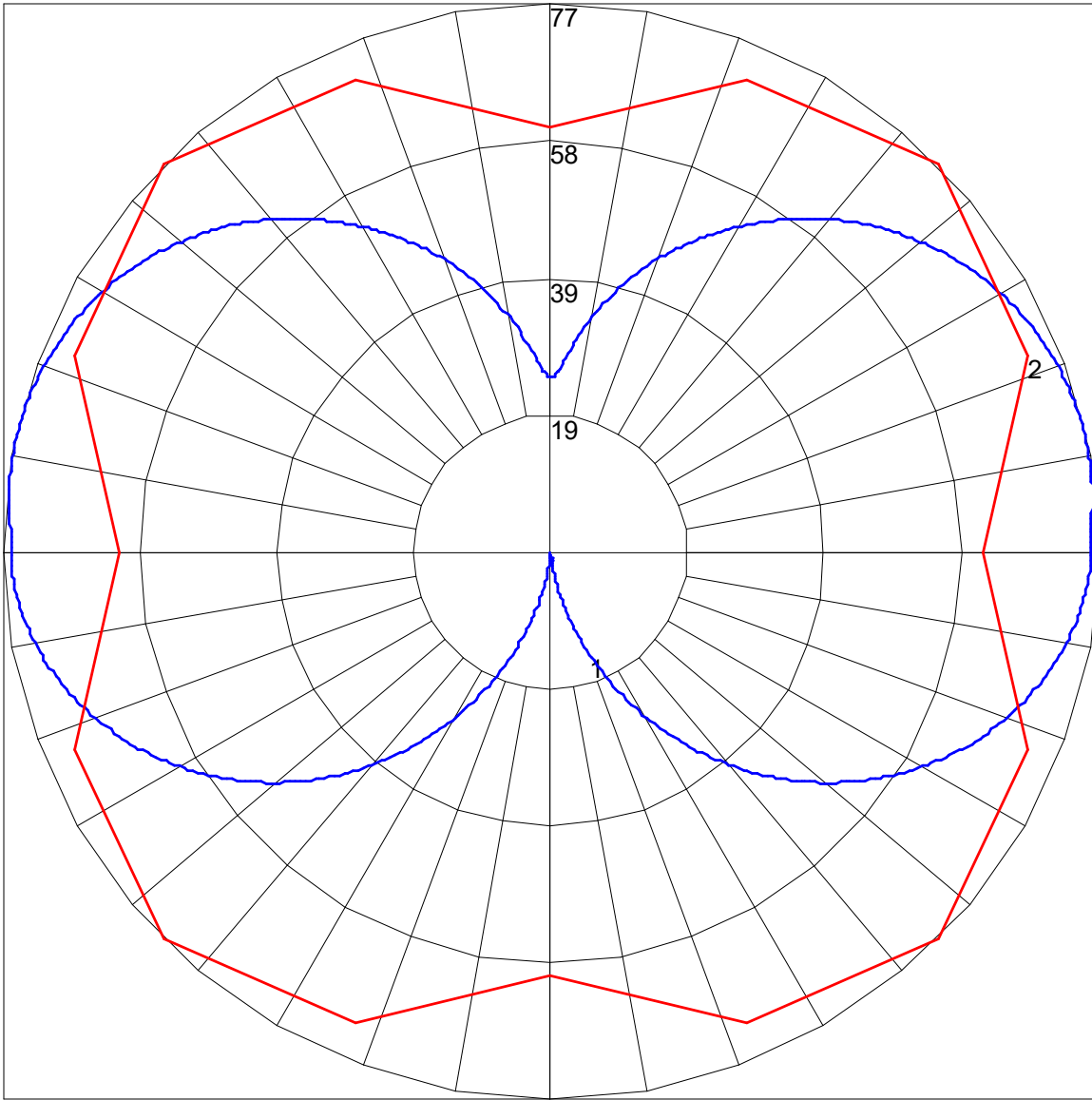
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : CLD-7563W.IES**

**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	6.0	7.0	7.0	8.0	9.4	5.9	6.9	6.9	7.9	9.3
	3H	9.2	10.1	10.2	11.2	12.5	9.1	10.0	10.1	11.0	12.4
	4H	10.8	11.6	11.7	12.6	14.0	10.6	11.5	11.6	12.5	13.9
	6H	12.3	13.1	13.3	14.1	15.5	12.1	12.9	13.1	14.0	15.3
	8H	13.0	13.7	14.0	14.8	16.2	12.8	13.6	13.8	14.7	16.0
	12H	13.7	14.4	14.7	15.4	16.8	13.5	14.3	14.5	15.3	16.7
4H	2H	7.1	8.0	8.1	9.0	10.4	7.1	7.9	8.1	9.0	10.3
	3H	10.5	11.3	11.5	12.3	13.7	10.4	11.2	11.4	12.2	13.6
	4H	12.2	12.9	13.2	13.9	15.3	12.1	12.8	13.1	13.8	15.2
	6H	13.8	14.5	14.9	15.5	16.9	13.7	14.4	14.8	15.4	16.8
	8H	14.6	15.2	15.6	16.3	17.7	14.5	15.1	15.5	16.2	17.6
	12H	15.4	15.9	16.4	17.0	18.4	15.3	15.8	16.3	16.9	18.3
8H	4H	12.9	13.5	13.9	14.5	16.0	12.8	13.4	13.8	14.5	15.9
	6H	14.8	15.3	15.8	16.4	17.8	14.7	15.2	15.7	16.3	17.7
	8H	15.7	16.2	16.8	17.3	18.7	15.6	16.1	16.7	17.2	18.6
	12H	16.7	17.1	17.7	18.2	19.6	16.6	17.0	17.6	18.1	19.5
12H	4H	13.0	13.6	14.1	14.7	16.1	13.0	13.5	14.0	14.6	16.0
	6H	15.0	15.5	16.1	16.6	18.0	15.0	15.4	16.0	16.5	17.9
	8H	16.1	16.5	17.1	17.6	19.0	16.0	16.4	17.0	17.5	18.9

Maximum UGR = 19.6

POLAR GRAPH



Maximum Candela = 77.491 Located At Horizontal Angle = 45, Vertical Angle = 101  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (101) (Through Max. Cd.)