



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DEM-AC MODE.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]ITL86922  
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.  
[ISSUE DATE]03/01/16  
[MANUFAC] LumenFocus, LLC  
[LUMCAT] DEM (AC Mode)  
[LUMINAIRE]CAST BLACK PAINTED METAL HOUSING, CAST FINNED METAL HEAT  
[MORE]SINK, ONE CIRCUIT BOARD WITH TWO LEDS, 2-PIECE MOLDED SPECULAR  
[MORE]PLASTIC REFLECTOR WITH VERTICALLY RIBBED SECTION BELOW AND  
[MORE]BEHIND LEDS, CLEAR PRISMATIC PLASTIC LENS IN CAST BLACK PAINTED  
[MORE]METAL FACEPLATE. LENS PRISMS IN.  
[LAMP]TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL  
[MORE]BASE-UP POSITION.  
[OTHER]INPUT ELECTRICAL: 120.0 VOLTS, 14.8 WATTS, 0.257 AMPS  
[ MOUNTING]WALL  
[ NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT  
[MORE]VOLTAGE (120VAC, 60Hz) TO THE DRIVER. LED DRIVER INFORMATION  
[MORE]PROVIDED BY CLIENT.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[OTHER]TEST DISTANCE = 20.0 FEET  
[ ABSOLUTE]LUMENS]1275

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1275
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.88
Spacing Criterion (90-270)	1.46
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	0.41 ft
Luminous Height	0.24 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	41033	36350	44290
55	40209	26713	41049
65	39898	17718	34652
75	31890	10337	18904
85	20335	5297	11516

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**CANDELA TABULATION**

	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>
0.0	361	361	361	361	361	361	361	361	361	361
2.5	497	492	486	482	476	457	441	419	400	377
5.0	561	562	562	562	559	548	534	504	465	417
7.5	515	516	511	513	527	551	570	564	531	472
10.0	519	517	502	496	504	524	549	566	559	519
12.5	544	544	531	526	513	504	516	527	533	512
15.0	553	551	545	539	517	494	478	483	493	483
16.0	553	554	547	538	515	490	469	472	482	472
17.0	556	555	545	533	513	488	466	465	470	460
18.0	560	557	542	528	511	486	465	456	460	449
19.0	561	559	540	525	509	486	464	450	453	440
20.0	564	560	538	522	508	486	463	447	447	432
20.5	566	560	537	522	508	485	463	446	444	427
21.0	566	561	538	522	507	485	462	445	441	423
21.5	566	561	538	523	506	484	462	444	438	420
22.0	566	561	539	524	505	484	462	443	436	415
22.5	567	563	540	525	505	485	462	442	435	411
23.0	568	564	542	526	506	485	462	442	434	407
23.5	570	564	545	527	506	484	461	441	433	405
24.0	571	565	548	529	505	482	460	440	431	401
24.5	570	566	551	532	506	481	459	439	430	398
25.0	567	564	553	534	507	480	459	438	428	396
25.5	564	562	554	535	507	479	459	437	426	393
26.0	557	557	555	536	509	479	460	436	424	391
26.5	550	551	553	537	510	479	461	435	422	388
27.0	542	544	550	536	513	479	462	435	420	386
27.5	535	537	545	535	514	479	462	434	419	384
28.0	528	529	540	533	515	480	462	433	418	382
28.5	522	522	533	529	514	481	462	432	416	380
29.0	517	517	527	526	512	483	461	430	415	379
29.5	513	513	521	523	509	485	459	429	414	378
30.0	511	511	517	518	506	485	458	428	412	376
30.5	509	510	514	514	503	486	457	427	410	375
31.0	508	509	512	510	500	485	457	427	408	374
31.5	507	508	510	506	497	483	457	426	406	372
32.0	507	508	509	503	494	480	458	426	404	371
32.5	507	507	509	501	491	478	459	424	403	369
33.0	507	507	509	498	488	476	459	422	401	367
33.5	505	506	508	496	484	474	458	420	399	365
34.0	505	505	507	494	481	473	457	419	398	364
34.5	503	504	505	493	477	472	456	419	397	362
35.0	502	502	504	492	473	469	454	418	396	361
35.5	500	500	502	490	470	467	453	417	395	359
36.0	498	497	500	489	467	464	452	415	393	356
36.5	496	496	498	487	465	460	450	414	391	355
37.0	493	494	495	484	462	456	448	412	390	353
37.5	491	491	492	481	460	451	445	410	387	352
38.0	489	488	490	478	457	448	440	409	385	349
38.5	486	486	486	476	454	444	436	408	382	348
39.0	483	483	484	473	452	441	433	407	380	346
39.5	480	480	481	470	450	438	430	405	378	345
40.0	478	478	478	467	447	436	427	403	375	343
40.5	476	476	475	464	444	433	424	401	373	342
41.0	472	473	472	460	441	429	421	398	370	340

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**CANDELA TABULATION - (Cont.)**

41.5	470	470	469	457	437	426	416	396	367	338
42.0	467	467	465	453	434	421	411	393	364	337
42.5	464	463	462	449	430	417	405	389	361	335
43.0	461	460	459	445	427	413	401	385	359	333
43.5	459	457	455	441	424	409	396	381	355	331
44.0	457	454	452	437	420	405	392	376	352	329
44.5	455	452	449	433	417	401	388	371	349	327
45.0	451	450	446	429	413	398	384	367	346	326
45.5	448	447	442	425	410	394	380	362	343	324
46.0	446	445	439	421	405	391	376	357	340	322
46.5	443	442	436	416	402	387	371	352	337	320
47.0	440	439	433	412	397	382	367	348	335	317
47.5	438	437	430	408	393	377	363	344	332	315
48.0	436	435	427	403	388	372	358	341	330	313
48.5	433	433	425	399	383	366	354	339	327	312
49.0	432	432	422	395	378	361	349	335	324	309
49.5	430	431	419	391	375	355	344	332	320	307
50.0	430	430	417	387	369	350	339	327	316	305
51.0	430	429	412	378	358	340	328	317	309	301
52.0	430	432	409	369	347	330	317	308	302	296
53.0	434	436	408	360	337	320	308	299	294	291
54.0	440	443	408	352	326	308	298	287	286	286
55.0	449	454	412	345	316	297	287	276	279	280
57.5	481	476	434	325	289	269	260	255	259	265
60.0	482	477	450	308	264	242	236	232	238	248
62.5	458	462	440	294	237	216	213	212	218	232
65.0	439	443	427	290	214	194	192	191	199	215
67.5	424	427	422	294	193	172	171	170	178	193
70.0	398	403	413	303	173	151	149	149	152	165
72.5	365	369	393	304	157	130	127	124	123	127
75.0	335	338	371	287	140	108	103	101	100	102
77.5	305	306	336	263	126	88	84	83	81	79
80.0	275	275	304	232	109	72	69	69	70	65
82.5	238	238	264	202	96	60	57	59	62	56
85.0	197	199	212	167	84	51	49	52	55	50
87.5	150	151	161	133	73	44	43	45	48	44
90.0	97	99	101	100	59	39	37	39	42	39
92.5	52	54	58	64	45	34	32	34	36	34
95.0	37	38	39	41	35	30	28	29	31	30
97.5	32	32	32	31	28	27	25	25	26	25
100.0	30	30	29	27	25	24	22	21	21	20
102.5	28	28	27	25	24	22	19	18	17	14
105.0	26	26	25	24	22	20	17	15	13	10
107.5	24	24	23	22	21	18	15	12	10	8
110.0	23	23	22	21	19	17	13	11	8	6
112.5	21	21	20	19	17	15	12	9	7	5
115.0	19	19	18	17	16	14	11	8	6	4
117.5	17	17	16	15	14	12	9	7	5	4
120.0	15	15	14	13	12	10	8	6	4	3
122.5	13	13	12	12	11	9	7	5	4	2
125.0	11	11	10	10	9	8	6	4	3	2
127.5	9	9	9	8	8	6	5	3	2	1
130.0	8	8	7	7	6	5	4	3	2	1
132.5	6	6	6	6	5	4	3	2	1	1
135.0	5	5	5	5	4	3	2	1	1	0
137.5	4	4	4	3	3	2	2	1	0	0

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**CANDELA TABULATION - (Cont.)**

140.0	3	3	3	2	2	1	1	0	0	0
142.5	2	2	2	2	1	1	0	0	0	0
145.0	1	1	1	1	1	0	0	0	0	0
147.5	1	1	1	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>90.0</u>	<u>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>116.0</u>	<u>117.0</u>
0.0	361	361	361	361	361	361	361	361	361	361
2.5	369	359	350	343	338	335	332	329	328	326
5.0	397	373	354	337	329	323	317	311	309	307
7.5	447	412	381	352	339	327	317	308	304	301
10.0	491	454	417	379	362	345	330	316	311	305
12.5	489	458	423	386	369	351	332	314	307	300
15.0	467	442	414	376	353	331	308	288	281	274
16.0	457	437	408	367	345	322	297	275	269	260
17.0	447	431	404	362	336	309	283	262	256	246
18.0	438	423	397	356	328	299	271	249	243	234
19.0	431	417	391	345	316	289	261	239	231	224
20.0	421	410	385	337	307	278	251	230	223	216
20.5	416	406	381	332	302	273	246	226	218	212
21.0	412	403	378	328	297	269	242	222	215	209
21.5	409	400	374	323	293	264	238	219	212	205
22.0	406	398	371	318	288	259	234	215	209	202
22.5	402	396	369	314	284	254	230	212	206	200
23.0	398	392	366	311	279	250	227	210	203	198
23.5	393	388	362	307	275	246	224	207	201	196
24.0	390	384	358	302	270	243	222	206	200	195
24.5	387	380	355	298	266	240	220	205	199	194
25.0	384	377	353	294	261	237	218	203	198	194
25.5	380	375	350	289	257	234	216	202	198	194
26.0	377	372	347	285	253	232	215	202	198	195
26.5	374	369	344	281	250	230	214	202	198	196
27.0	372	367	341	277	247	228	213	203	199	198
27.5	371	364	339	273	245	226	212	203	201	200
28.0	368	362	337	270	243	225	212	204	203	203
28.5	367	361	334	268	241	225	212	205	205	205
29.0	365	360	331	265	239	224	212	207	207	209
29.5	364	360	329	263	238	223	213	209	210	213
30.0	363	359	327	260	237	223	213	211	213	217
30.5	362	357	325	258	237	223	214	214	217	222
31.0	361	356	322	257	237	224	216	217	222	228
31.5	359	355	319	256	237	224	217	220	226	234

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**CANDELA TABULATION - (Cont.)**

32.0	357	355	316	254	237	225	219	224	231	241
32.5	355	354	314	252	237	225	221	229	237	249
33.0	353	352	312	251	236	226	223	233	243	258
33.5	350	350	310	250	236	227	225	238	250	267
34.0	348	348	307	249	236	228	228	244	258	279
34.5	347	347	304	249	236	229	230	251	267	291
35.0	345	346	302	247	236	229	233	258	277	304
35.5	344	345	300	246	235	230	237	266	288	319
36.0	342	342	298	245	235	231	240	275	300	332
36.5	341	339	295	245	235	233	244	284	313	346
37.0	339	337	292	245	235	234	249	296	326	360
37.5	338	334	289	245	236	236	254	307	340	376
38.0	337	333	286	244	236	238	260	319	353	390
38.5	335	331	284	243	237	241	266	330	366	401
39.0	334	328	282	243	238	244	274	342	378	410
39.5	332	325	279	243	240	248	283	356	392	421
40.0	330	322	276	244	241	252	292	371	406	433
40.5	329	321	274	245	243	256	301	383	414	440
41.0	328	319	272	245	245	260	310	393	421	442
41.5	327	318	271	245	247	266	320	401	426	441
42.0	325	315	270	246	249	272	332	413	432	442
42.5	323	313	268	247	252	278	345	423	439	444
43.0	322	311	266	248	256	286	356	430	443	442
43.5	320	309	264	249	259	293	364	433	442	435
44.0	319	308	263	250	262	300	375	436	438	425
44.5	317	306	262	251	266	309	387	441	438	417
45.0	316	303	261	253	270	318	398	444	437	412
45.5	314	299	259	255	274	326	406	443	433	403
46.0	313	297	257	257	278	333	410	437	424	389
46.5	311	295	256	258	283	340	415	428	410	369
47.0	309	293	256	260	288	347	418	419	395	348
47.5	308	292	255	262	294	355	420	411	382	329
48.0	306	290	255	266	301	363	422	401	368	312
48.5	304	287	253	269	307	371	423	390	352	294
49.0	302	285	251	271	311	376	422	377	335	274
49.5	301	283	251	273	315	380	419	362	317	255
50.0	299	281	250	275	320	383	413	348	300	237
51.0	296	275	248	280	329	388	401	318	266	207
52.0	291	270	246	286	335	389	384	285	234	181
53.0	287	266	246	290	340	386	362	251	202	155
54.0	281	260	244	296	346	383	342	224	179	138
55.0	275	253	242	299	346	370	314	195	157	121
57.5	258	240	237	302	339	333	249	141	114	86
60.0	240	224	231	294	320	287	192	106	84	61
62.5	224	208	223	278	292	243	149	80	61	42
65.0	210	198	214	257	257	197	110	56	41	27
67.5	190	181	200	229	215	153	79	38	26	18
70.0	161	156	175	195	168	107	53	27	20	14
72.5	124	122	138	151	117	62	33	20	16	11
75.0	99	99	109	97	68	31	13	9	8	7
77.5	78	76	73	51	33	18	9	7	6	6
80.0	66	63	53	33	20	11	7	6	5	5
82.5	57	56	47	28	17	9	6	5	4	4
85.0	49	49	42	25	15	8	5	4	4	4
87.5	42	43	37	22	13	7	5	4	4	3
90.0	36	37	33	19	12	7	5	4	3	3

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**CANDELA TABULATION - (Cont.)**

92.5	31	32	28	17	10	6	4	3	3	3
95.0	26	26	24	14	9	5	4	3	3	2
97.5	22	21	20	12	7	4	3	3	2	2
100.0	16	15	14	9	6	4	3	2	2	2
102.5	11	10	10	6	4	3	2	2	1	1
105.0	8	7	5	4	3	2	2	1	1	1
107.5	7	5	3	2	2	2	1	1	1	1
110.0	5	4	3	2	1	1	1	1	0	0
112.5	4	3	2	1	1	1	1	0	0	0
115.0	4	3	2	1	1	1	0	0	0	0
117.5	3	2	1	1	1	0	0	0	0	0
120.0	2	2	1	1	0	0	0	0	0	0
122.5	2	1	1	0	0	0	0	0	0	0
125.0	1	1	1	0	0	0	0	0	0	0
127.5	1	1	0	0	0	0	0	0	0	0
130.0	1	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

**Vert. Horizontal Angles**  
**Angles**

	<u>118.0</u>	<u>119.0</u>	<u>120.0</u>	<u>121.0</u>	<u>122.0</u>	<u>123.0</u>	<u>124.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>
0.0	361	361	361	361	361	361	361	361	361	361
2.5	326	324	323	322	321	320	318	318	313	308
5.0	306	304	302	300	299	298	296	295	290	285
7.5	298	296	293	291	288	286	284	282	274	267
10.0	300	296	291	287	282	278	275	271	256	243
12.5	295	288	281	275	270	264	259	254	232	214
15.0	269	261	254	248	242	236	231	226	205	185
16.0	254	246	240	233	228	223	218	213	192	174
17.0	241	233	226	220	216	210	206	201	181	165
18.0	229	221	215	210	205	200	195	190	172	159
19.0	218	212	206	201	196	190	186	182	166	158
20.0	210	204	198	193	188	183	179	176	164	164
20.5	206	200	195	189	185	180	177	174	165	170
21.0	202	197	192	187	183	179	176	173	167	180
21.5	199	194	189	184	181	177	175	173	170	194
22.0	196	191	187	182	179	177	175	173	176	214

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**CANDELA TABULATION - (Cont.)**

22.5	194	189	185	181	179	177	176	174	184	239
23.0	192	188	184	181	179	178	177	177	196	278
23.5	191	187	184	181	180	179	179	180	211	303
24.0	190	187	184	182	182	181	183	185	230	344
24.5	190	187	186	184	184	185	188	192	254	376
25.0	190	188	187	187	188	190	195	201	279	404
25.5	192	190	190	190	193	197	204	213	307	426
26.0	193	192	193	195	199	205	215	226	334	441
26.5	195	195	197	200	206	214	227	242	362	451
27.0	198	198	202	206	215	225	242	259	388	454
27.5	201	203	207	213	225	237	258	278	411	451
28.0	205	207	214	222	236	252	276	299	429	444
28.5	209	213	221	232	249	269	296	322	441	432
29.0	213	219	230	243	263	286	317	345	448	416
29.5	219	226	236	255	275	305	338	368	453	402
30.0	225	233	246	268	296	324	357	387	454	378
30.5	231	242	258	284	309	344	377	404	452	353
31.0	239	253	272	302	329	366	397	421	444	326
31.5	245	264	287	320	349	386	415	435	430	298
32.0	254	277	302	337	368	403	428	446	413	268
32.5	265	291	319	356	385	417	438	452	393	238
33.0	277	307	337	375	406	431	445	454	372	209
33.5	290	323	355	394	420	442	451	454	349	181
34.0	304	339	372	410	434	451	455	452	323	156
34.5	319	356	388	422	441	454	455	447	297	140
35.0	334	372	403	433	447	455	450	438	270	115
35.5	350	389	418	442	451	453	443	425	244	99
36.0	365	403	431	448	453	449	432	409	219	85
36.5	379	414	437	450	451	441	420	391	195	75
37.0	393	424	442	450	446	431	404	370	172	66
37.5	407	434	446	449	438	418	385	348	151	59
38.0	420	442	450	446	429	403	366	325	131	54
38.5	428	445	450	441	418	387	345	302	114	49
39.0	433	445	445	431	403	368	322	278	100	45
39.5	438	444	438	418	385	345	297	253	87	41
40.0	445	445	433	405	366	322	273	229	76	38
40.5	449	445	427	392	353	300	250	207	67	35
41.0	448	439	418	377	330	280	229	187	60	32
41.5	442	427	403	357	313	257	209	169	54	30
42.0	435	414	384	334	289	234	188	151	49	28
42.5	431	403	365	311	265	211	168	134	44	26
43.0	427	393	349	291	244	191	151	119	41	24
43.5	416	377	331	272	224	174	136	106	37	22
44.0	401	356	309	249	204	157	123	95	34	21
44.5	385	335	285	227	185	142	110	84	32	19
45.0	373	317	263	206	167	127	98	75	29	18
45.5	360	301	245	189	152	115	87	68	27	17
46.0	343	282	229	175	140	105	79	59	25	16
46.5	322	261	211	161	129	96	71	54	24	15
47.0	297	239	192	148	118	87	64	49	22	14
47.5	276	218	174	134	107	78	58	45	21	13
48.0	257	200	159	121	96	70	52	41	19	12
48.5	239	185	146	111	87	63	47	37	18	11
49.0	221	171	135	102	78	57	43	34	17	11
49.5	204	158	125	94	71	51	39	31	16	10
50.0	188	145	115	85	64	46	35	29	15	9



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DEM-AC MODE.IES**

**CANDELA TABULATION - (Cont.)**

51.0	163	126	97	71	52	38	30	25	13	8
52.0	144	110	84	59	43	32	26	22	12	8
53.0	124	93	70	49	35	27	22	19	11	7
54.0	108	80	58	40	29	23	19	17	10	6
55.0	95	69	48	34	25	20	17	15	9	6
57.5	64	44	30	22	18	15	13	12	7	5
60.0	43	29	21	16	14	12	11	10	6	4
62.5	29	20	15	13	11	10	9	8	5	3
65.0	19	14	12	10	9	8	7	7	4	2
67.5	13	11	9	8	7	7	6	6	3	2
70.0	11	9	8	7	6	6	5	5	3	1
72.5	9	7	6	6	5	5	4	4	2	1
75.0	6	6	5	5	4	4	4	3	2	1
77.5	5	5	4	4	4	3	3	3	1	0
80.0	4	4	4	3	3	3	3	2	1	0
82.5	4	3	3	3	3	2	2	2	1	0
85.0	3	3	3	2	2	2	2	2	1	0
87.5	3	3	3	2	2	2	2	1	0	0
90.0	3	3	2	2	2	2	1	1	0	0
92.5	3	2	2	2	2	1	1	1	0	0
95.0	2	2	2	2	1	1	1	1	0	0
97.5	2	2	1	1	1	1	1	1	0	0
100.0	1	1	1	1	1	1	0	0	0	0
102.5	1	1	1	1	0	0	0	0	0	0
105.0	1	1	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0
115.0	0	0	0	0	0	0	0	0	0	0
117.5	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0
125.0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.5	0	0	0	0	0	0	0	0	0	0
135.0	0	0	0	0	0	0	0	0	0	0
137.5	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.5	0	0	0	0	0	0	0	0	0	0
145.0	0	0	0	0	0	0	0	0	0	0
147.5	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.5	0	0	0	0	0	0	0	0	0	0
155.0	0	0	0	0	0	0	0	0	0	0
157.5	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.5	0	0	0	0	0	0	0	0	0	0
165.0	0	0	0	0	0	0	0	0	0	0
167.5	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.5	0	0	0	0	0	0	0	0	0	0
175.0	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0

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

Vert. Angles	Horizontal Angles	
	<u>157.5</u>	<u>180.0</u>
0.0	361	361
2.5	299	296
5.0	274	269
7.5	244	237
10.0	202	188
12.5	161	148
15.0	146	156
16.0	157	206
17.0	195	282
18.0	261	343
19.0	332	370
20.0	382	358
20.5	395	335
21.0	399	303
21.5	394	269
22.0	380	239
22.5	358	213
23.0	329	191
23.5	298	171
24.0	267	154
24.5	239	140
25.0	212	127
25.5	187	115
26.0	165	105
26.5	146	95
27.0	130	87
27.5	116	79
28.0	104	72
28.5	93	66
29.0	83	59
29.5	74	54
30.0	67	49
30.5	60	44
31.0	54	42
31.5	48	38
32.0	43	34
32.5	39	30
33.0	35	27
33.5	32	24
34.0	29	21
34.5	26	19
35.0	24	17
35.5	22	14
36.0	20	13
36.5	18	11
37.0	16	9
37.5	15	8
38.0	13	6
38.5	12	5
39.0	11	5
39.5	10	4
40.0	9	3
40.5	8	3

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

41.0	7	2
41.5	6	2
42.0	6	2
42.5	5	1
43.0	5	1
43.5	4	1
44.0	4	0
44.5	3	0
45.0	3	0
45.5	2	0
46.0	2	0
46.5	2	0
47.0	2	0
47.5	1	0
48.0	1	0
48.5	1	0
49.0	1	0
49.5	1	0
50.0	0	0
51.0	0	0
52.0	0	0
53.0	0	0
54.0	0	0
55.0	0	0
57.5	0	0
60.0	0	0
62.5	0	0
65.0	0	0
67.5	0	0
70.0	0	0
72.5	0	0
75.0	0	0
77.5	0	0
80.0	0	0
82.5	0	0
85.0	0	0
87.5	0	0
90.0	0	0
92.5	0	0
95.0	0	0
97.5	0	0
100.0	0	0
102.5	0	0
105.0	0	0
107.5	0	0
110.0	0	0
112.5	0	0
115.0	0	0
117.5	0	0
120.0	0	0
122.5	0	0
125.0	0	0
127.5	0	0
130.0	0	0
132.5	0	0
135.0	0	0

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : DEM-AC MODE.IES

CANDELA TABULATION - (Cont.)

137.5	0	0
140.0	0	0
142.5	0	0
145.0	0	0
147.5	0	0
150.0	0	0
152.5	0	0
155.0	0	0
157.5	0	0
160.0	0	0
162.5	0	0
165.0	0	0
167.5	0	0
170.0	0	0
172.5	0	0
175.0	0	0
177.5	0	0
180.0	0	0

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	147.33	N.A.	11.60
0-30	318.77	N.A.	25.00
0-40	515.28	N.A.	40.40
0-60	901.06	N.A.	70.70
0-80	1169.79	N.A.	91.80
0-90	1230.05	N.A.	96.50
10-90	1191.58	N.A.	93.50
20-40	367.95	N.A.	28.90
20-50	567.23	N.A.	44.50
40-70	544.99	N.A.	42.70
60-80	268.73	N.A.	21.10
70-80	109.51	N.A.	8.60
80-90	60.26	N.A.	4.70
90-110	33.82	N.A.	2.70
90-120	40.25	N.A.	3.20
90-130	43.48	N.A.	3.40
90-150	44.82	N.A.	3.50
90-180	44.82	N.A.	3.50
110-180	11.01	N.A.	0.90
0-180	1274.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	38.47
10-20	108.86
20-30	171.44
30-40	196.51
40-50	199.28
50-60	186.50
60-70	159.22
70-80	109.51
80-90	60.26
90-100	22.76
100-110	11.06
110-120	6.43
120-130	3.23
130-140	1.16
140-150	0.18
150-160	0.00
160-170	0.00
170-180	0.00

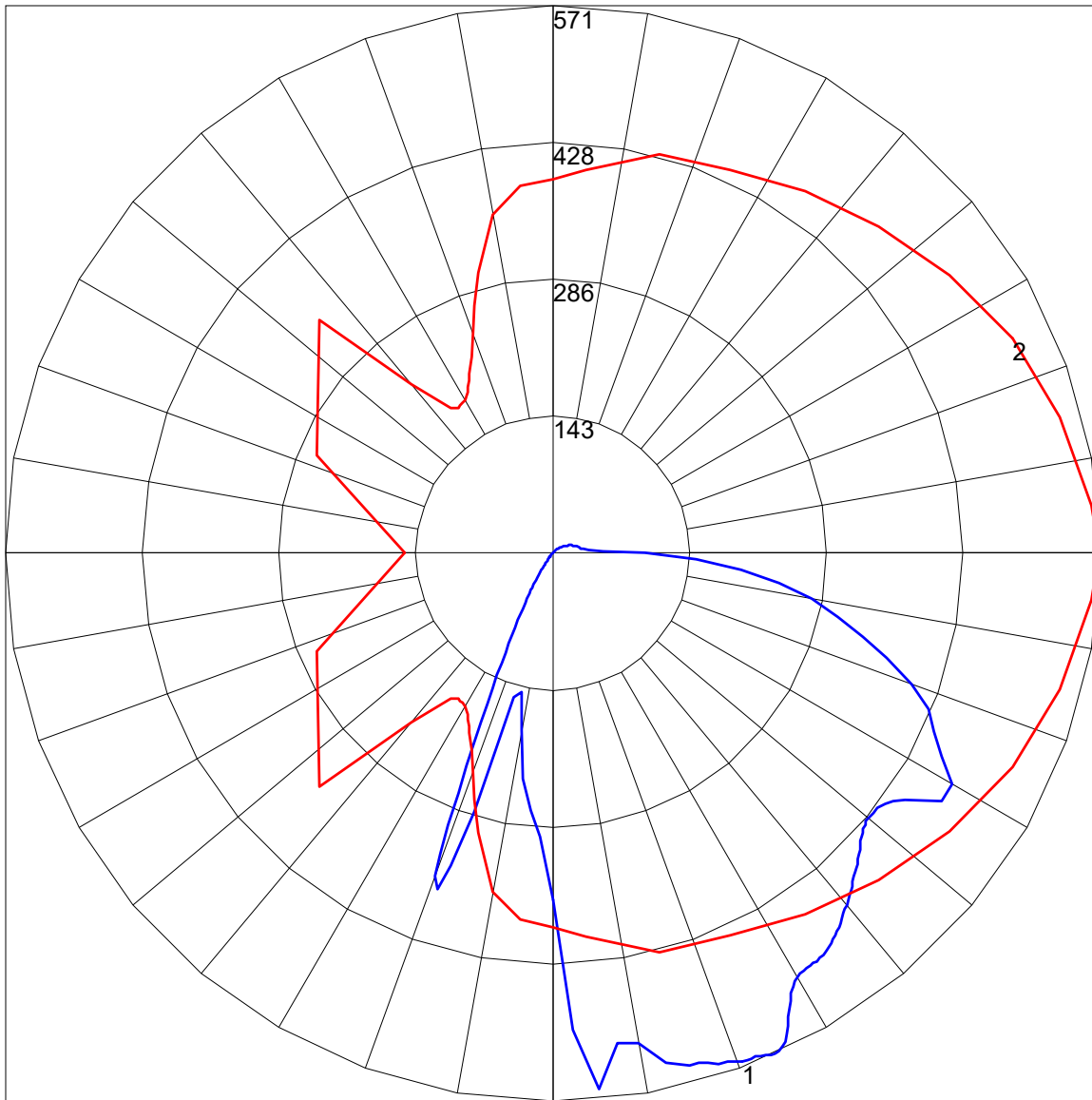
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DEM-AC MODE.IES**

**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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	106	101	96	92	103	98	94	90	93	90	86	89	86	83	85	82	80	78
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	70	66	64
3	88	76	68	61	85	74	66	60	71	64	58	68	62	57	65	60	56	53
4	80	67	58	51	77	66	57	51	63	55	50	60	54	49	57	52	47	45
5	73	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 571 Located At Horizontal Angle = 0, Vertical Angle = 24  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (24) (Through Max. Cd.)