



IES INDOOR REPORT
PHOTOMETRIC FILENAME : L032011905R02.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L032011905R02
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUEDATE] 9/17/2020
 [MANUFAC] LUX Dynamics
 [LUMCAT] 360P-4-URDL-835-U1-xx-WP
 [LUMINAIRE] LED LUMINAIRE
 [BALLASTCAT] OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM-1 L(2 DRIVERS)
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 119.98VAC, 99.51W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12759
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	99.51
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	Hor. Cylinder Along Length
Luminous Length (0-180)	3.85 ft
Luminous Width (90-270)	0.38 ft (Diameter)
Luminous Height	0.38 ft (Diameter)

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	112910	10703	9372
55	91215	10038	9541
65	71458	9761	9659
75	42702	9004	9717
85	18846	8376	9570

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	1272	1272	1272	1272	1272	1272	1272	1272	1272	1272
5	1265	1266	1267	1266	1264	1265	1269	1273	1276	1277
10	1248	1249	1251	1251	1252	1254	1261	1268	1274	1278
15	1218	1220	1223	1226	1229	1236	1247	1257	1266	1273
20	1176	1179	1184	1190	1198	1208	1223	1238	1249	1259
25	1124	1128	1136	1145	1157	1173	1191	1208	1221	1233
30	1063	1067	1079	1092	1108	1127	1148	1167	1183	1201
35	992	998	1013	1031	1051	1073	1096	1119	1140	1163
40	914	922	941	962	984	1009	1038	1066	1094	1125
45	842	850	872	897	922	953	984	1017	1051	1086
50	805	814	833	855	879	910	945	982	1017	1051
55	788	796	811	825	845	875	912	951	988	1027
60	750	760	776	793	815	842	875	916	968	1018
65	683	694	712	735	767	800	836	890	948	1005
70	593	607	629	662	701	749	800	854	917	978
75	435	449	479	523	583	646	710	787	864	931
80	300	318	358	421	496	570	655	742	824	897
85	198	223	281	355	439	526	618	706	790	868
90	159	199	265	338	423	510	601	688	772	849
95	213	237	296	369	450	535	626	716	801	876
100	315	332	372	433	507	580	667	755	837	909
105	450	465	494	537	597	656	718	796	874	944
110	608	623	645	678	719	764	811	858	927	988
115	693	708	725	747	779	808	841	894	957	1014
120	753	768	784	799	820	844	878	919	971	1021
125	779	793	809	823	841	874	911	950	987	1025
130	786	800	822	846	871	901	937	974	1010	1045
135	813	828	855	881	907	938	969	1004	1040	1075
140	884	897	922	945	967	993	1021	1048	1078	1112
145	957	968	991	1011	1032	1053	1078	1100	1121	1144
150	1025	1034	1052	1070	1087	1107	1128	1146	1164	1181
155	1086	1092	1105	1119	1133	1150	1168	1186	1199	1212
160	1133	1138	1148	1159	1169	1182	1198	1213	1225	1235
165	1173	1176	1182	1189	1195	1205	1217	1229	1238	1247
170	1199	1202	1206	1209	1211	1216	1225	1234	1241	1246
175	1216	1217	1218	1219	1218	1220	1225	1230	1233	1235
180	1223	1223	1223	1223	1223	1223	1223	1223	1223	1223

Vert. Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	1272	1272	1272	1272	1272	1272	1272	1272	1272
5	1277	1277	1277	1278	1280	1280	1278	1278	1279
10	1281	1283	1284	1287	1291	1292	1292	1292	1293
15	1279	1284	1289	1294	1299	1301	1302	1302	1304
20	1267	1274	1281	1288	1294	1297	1299	1300	1302
25	1244	1255	1265	1276	1284	1289	1293	1294	1297
30	1216	1231	1246	1260	1272	1280	1286	1289	1293
35	1184	1206	1226	1246	1261	1272	1281	1285	1290
40	1155	1183	1209	1232	1249	1263	1274	1279	1283
45	1122	1155	1186	1212	1234	1250	1263	1271	1275
50	1087	1124	1161	1197	1228	1252	1270	1281	1286
55	1068	1112	1156	1197	1231	1259	1279	1292	1298
60	1066	1110	1151	1195	1232	1264	1286	1301	1306

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CANDELA TABULATION - (Cont.)

65	1057	1103	1146	1190	1234	1268	1293	1308	1314
70	1033	1083	1134	1187	1234	1273	1299	1316	1322
75	994	1059	1126	1184	1233	1272	1300	1316	1322
80	969	1046	1114	1174	1223	1266	1294	1311	1316
85	947	1027	1097	1157	1207	1250	1278	1296	1302
90	929	1012	1081	1141	1192	1235	1264	1281	1287
95	953	1031	1102	1162	1212	1255	1284	1302	1309
100	977	1056	1126	1186	1235	1275	1304	1322	1328
105	1006	1069	1134	1193	1245	1286	1314	1330	1336
110	1041	1091	1140	1193	1241	1281	1308	1324	1330
115	1062	1107	1149	1191	1235	1269	1295	1311	1317
120	1066	1107	1150	1191	1231	1263	1285	1299	1305
125	1064	1107	1151	1192	1228	1255	1275	1288	1294
130	1079	1115	1152	1188	1220	1244	1263	1274	1278
135	1110	1143	1176	1204	1225	1241	1254	1261	1265
140	1143	1173	1199	1222	1239	1252	1262	1268	1272
145	1167	1190	1211	1232	1247	1259	1267	1272	1276
150	1195	1210	1225	1240	1253	1262	1268	1271	1275
155	1223	1233	1243	1254	1262	1267	1270	1271	1274
160	1243	1250	1258	1265	1272	1274	1276	1277	1279
165	1253	1258	1262	1268	1273	1275	1276	1276	1277
170	1249	1252	1254	1259	1262	1264	1263	1263	1263
175	1236	1236	1237	1238	1241	1240	1240	1239	1239
180	1223	1223	1223	1223	1223	1223	1223	1223	1223

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	479.31	N.A.	3.80
0-30	1043.78	N.A.	8.20
0-40	1767.97	N.A.	13.90
0-60	3534.19	N.A.	27.70
0-80	5486.56	N.A.	43.00
0-90	6389.95	N.A.	50.10
10-90	6268.44	N.A.	49.10
20-40	1288.66	N.A.	10.10
20-50	2124.75	N.A.	16.70
40-70	2755.5	N.A.	21.60
60-80	1952.37	N.A.	15.30
70-80	963.08	N.A.	7.50
80-90	903.39	N.A.	7.10
90-110	1886.44	N.A.	14.80
90-120	2881.86	N.A.	22.60
90-130	3809.00	N.A.	29.90
90-150	5348.45	N.A.	41.90
90-180	6368.72	N.A.	49.90
110-180	4482.28	N.A.	35.10
0-180	12758.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.51
10-20	357.80
20-30	564.47
30-40	724.19
40-50	836.10
50-60	930.12
60-70	989.29
70-80	963.08
80-90	903.39
90-100	911.17
100-110	975.27
110-120	995.42
120-130	927.15
130-140	826.57
140-150	712.87
150-160	553.36
160-170	349.27
170-180	117.64

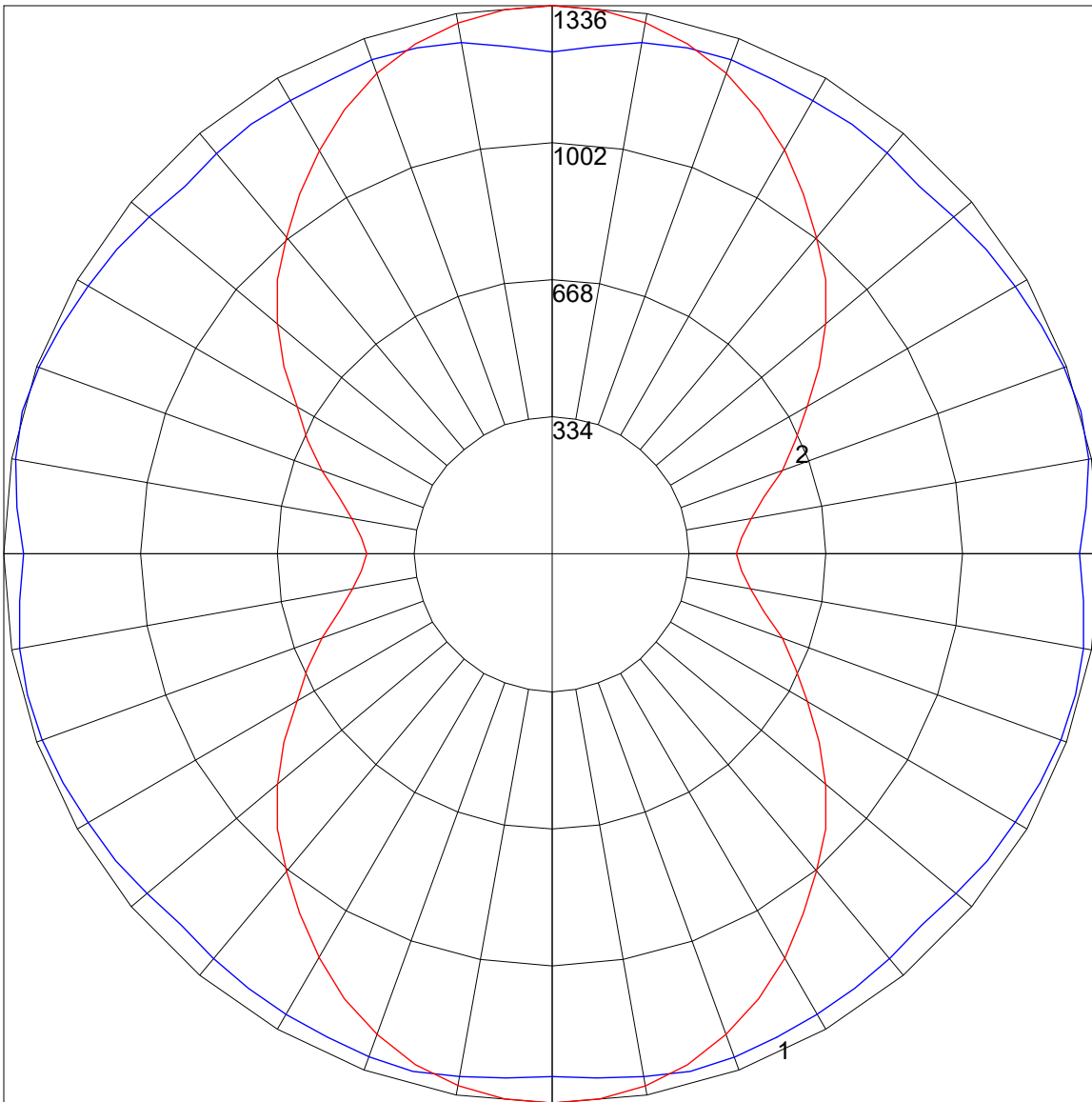
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	94	89	83	79	86	81	77	73	68	65	61	56	53	51	44	42	41	35
2	85	76	68	62	77	69	63	57	58	53	48	47	43	40	37	34	32	27
3	76	65	57	50	70	60	52	46	50	44	39	41	36	32	32	29	26	21
4	69	57	48	41	63	53	45	38	44	37	33	36	31	27	28	24	21	17
5	64	51	42	35	58	46	38	32	39	32	28	32	27	23	25	21	18	15
6	58	45	36	30	53	41	34	28	35	28	24	28	23	20	22	19	16	13
7	54	40	32	26	49	37	30	24	31	25	21	26	21	17	20	16	14	11
8	50	37	28	23	45	34	26	21	28	22	18	23	19	15	19	15	12	10
9	46	33	25	20	42	31	24	19	26	20	16	21	17	13	17	13	11	8
10	43	30	23	18	40	28	21	17	24	18	14	20	15	12	16	12	10	8

POLAR GRAPH



Maximum Candela = 1336 Located At Horizontal Angle = 90, Vertical Angle = 105
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (105) (Through Max. Cd.)