



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 155(SW)-48LED72DMVOA40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 555MW48LH72W7000LDMV40KWH
 [TESTDATE] 17-Oct-2017 11:02:16
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 10/17/2017 11:55:28 AM
 [MANUFAC] TEXAS FLUORESCENTS
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 5389
 [_NUMBEROFRAYS]10000000
 [MORE] (1) OSRAM OT85W
 [MORE] (4) OSRAM "H" BOARDS, 3,997 CCT, 75 LM/WT, 83.9
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5390
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	71.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.56
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.23 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.11 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8236	6529	6512
55	7516	5959	6000
65	6749	5355	5509
75	5173	4596	4910
85	2047	3932	4482

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73
3	1271.12	1271.40	1271.61	1270.72	1270.70	1269.90	1268.80	1267.67	1266.51	1265.23
6	1270.21	1270.80	1272.73	1273.96	1274.59	1274.90	1274.58	1274.18	1273.73	1272.81
9	1251.59	1254.16	1262.77	1269.21	1275.36	1278.71	1281.32	1283.47	1284.99	1285.74
12	1226.63	1233.18	1247.55	1263.19	1274.27	1280.98	1286.97	1293.36	1297.72	1299.69
15	1207.19	1212.95	1231.24	1251.57	1267.87	1280.71	1291.52	1301.55	1308.14	1310.48
18	1187.24	1192.61	1207.13	1233.92	1255.66	1276.97	1294.46	1308.27	1315.19	1318.43
21	1159.67	1166.03	1186.11	1218.59	1246.00	1271.42	1294.65	1309.94	1318.36	1324.70
24	1130.86	1140.43	1169.87	1204.34	1233.61	1265.14	1294.36	1308.39	1316.86	1328.92
27	1106.85	1118.02	1148.97	1187.71	1219.72	1255.72	1291.37	1305.75	1312.24	1329.99
30	1078.58	1090.35	1122.40	1162.77	1202.83	1244.40	1282.82	1301.74	1305.99	1325.59
33	1036.75	1053.23	1088.19	1137.46	1187.32	1230.70	1267.69	1292.02	1297.22	1314.14
36	986.32	1014.33	1054.19	1113.41	1167.64	1206.52	1249.40	1277.07	1285.11	1298.02
39	935.72	978.79	1022.44	1077.96	1136.46	1179.06	1229.77	1259.40	1272.54	1280.36
42	892.58	935.37	982.25	1043.93	1109.27	1156.59	1207.00	1232.89	1255.48	1263.23
45	858.78	875.08	939.89	1009.49	1079.80	1132.73	1177.83	1201.08	1229.35	1246.59
48	815.31	814.98	900.46	972.80	1044.47	1096.40	1145.55	1173.88	1196.62	1223.27
51	747.21	773.63	853.13	929.05	1003.86	1053.02	1112.65	1146.36	1164.54	1187.30
54	675.80	730.55	810.96	872.62	959.56	1011.58	1079.12	1112.77	1129.71	1144.86
57	622.44	675.43	757.26	825.26	920.63	967.28	1041.79	1074.88	1094.14	1103.37
60	571.93	614.99	692.30	774.44	868.53	925.07	989.27	1033.30	1053.98	1062.67
63	506.73	549.45	635.43	722.91	804.27	885.51	935.85	985.03	1009.59	1020.73
66	436.85	474.05	571.63	671.09	752.91	839.24	887.53	930.23	960.60	976.00
69	374.45	408.33	512.98	602.74	698.65	779.92	836.70	874.21	908.66	927.04
72	312.23	352.56	454.36	542.57	644.12	720.67	780.15	822.24	856.64	872.85
75	241.73	291.94	391.95	487.70	581.35	666.52	720.50	772.41	803.37	813.95
78	169.83	226.94	329.29	433.10	527.73	604.41	667.04	718.09	752.66	756.22
81	114.70	171.58	283.98	386.57	482.81	554.24	623.35	674.97	707.69	712.15
84	61.87	125.21	230.34	334.71	428.95	501.94	584.25	624.23	661.05	669.03
87	22.76	86.03	193.50	299.68	396.01	470.91	548.87	593.95	621.63	633.52
90	7.15	67.33	172.77	282.69	371.27	440.98	519.19	562.04	610.43	595.17
93	0.52	28.23	87.97	135.59	163.36	202.41	242.11	275.07	251.94	274.54
96	0.05	3.15	5.96	6.67	12.97	12.66	19.29	27.39	27.01	17.36
99	0.03	0.69	2.07	2.54	2.16	2.15	3.07	2.85	5.01	0.96
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	100	110	120	130	140	150	160	170	180	190
0	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73
3	1264.01	1262.58	1261.02	1259.34	1257.65	1256.89	1255.42	1255.44	1255.90	1256.79
6	1271.67	1270.00	1267.18	1263.92	1260.13	1256.11	1252.49	1250.48	1251.32	1254.70
9	1285.07	1283.03	1279.09	1273.36	1267.16	1259.51	1253.01	1247.51	1246.38	1249.55
12	1299.22	1295.24	1286.86	1277.20	1268.22	1259.12	1249.65	1241.10	1236.03	1236.27
15	1310.72	1304.97	1292.02	1276.34	1261.70	1250.83	1238.95	1224.83	1217.18	1216.39
18	1318.74	1313.07	1296.63	1274.51	1253.10	1238.80	1220.66	1206.03	1197.07	1200.57
21	1322.86	1313.79	1296.54	1272.60	1247.07	1225.53	1199.13	1182.80	1181.48	1186.79
24	1323.22	1308.53	1290.78	1268.08	1234.56	1204.94	1173.79	1154.90	1160.43	1167.27
27	1323.16	1305.33	1285.48	1260.52	1217.49	1182.43	1143.69	1123.65	1124.94	1135.04
30	1319.56	1306.88	1279.52	1250.72	1198.90	1159.76	1114.33	1090.27	1085.43	1095.05
33	1305.54	1302.09	1262.80	1235.58	1184.13	1144.22	1082.14	1053.85	1052.53	1053.76
36	1286.72	1286.23	1237.72	1209.92	1161.42	1126.46	1052.00	1009.55	1018.07	1008.86
39	1272.17	1262.49	1215.13	1180.94	1122.82	1086.10	1023.66	956.78	972.56	960.91
42	1254.59	1234.54	1199.94	1157.26	1093.28	1040.96	986.57	904.64	920.23	914.14
45	1228.42	1207.06	1179.92	1134.93	1070.32	991.54	945.31	863.87	867.31	872.11
48	1198.87	1173.56	1146.11	1095.60	1041.68	948.33	896.79	825.11	814.11	830.75
51	1169.86	1136.28	1110.99	1050.02	998.30	917.28	834.63	779.25	759.42	789.08
54	1133.91	1109.26	1080.05	1017.23	945.26	871.80	781.40	723.36	702.30	738.79
57	1093.88	1078.67	1044.09	979.02	900.27	817.08	724.98	669.13	642.35	684.46
60	1049.35	1034.58	995.81	924.08	851.73	759.94	675.18	613.47	580.84	626.24
63	1004.72	989.16	944.87	865.57	790.64	712.05	631.58	553.07	518.54	562.41
66	959.24	937.82	889.64	815.83	736.11	658.72	568.60	485.94	452.78	489.73
69	909.85	878.99	833.06	764.30	684.76	598.14	506.54	419.68	381.69	421.21
72	857.33	826.59	778.23	709.87	639.16	540.56	446.66	354.01	309.71	358.07
75	801.23	776.05	720.06	658.83	576.79	485.46	384.25	286.76	241.56	293.11
78	747.31	717.24	665.07	600.42	519.49	430.80	324.18	220.90	176.30	226.73
81	700.42	664.78	610.18	540.24	457.73	371.18	264.54	153.40	109.20	161.57
84	657.34	625.75	571.14	499.21	406.83	330.50	214.40	111.68	59.17	121.27
87	622.15	592.75	536.32	482.91	370.47	286.14	180.51	75.82	26.15	82.43
90	600.78	571.60	505.22	444.57	367.41	270.05	167.01	63.13	8.24	65.54
93	264.38	302.60	264.24	231.63	187.94	159.84	101.77	32.46	1.35	35.11
96	37.01	31.89	28.11	28.67	23.77	18.56	16.61	5.37	0.19	5.79
99	9.46	2.32	1.44	0.96	1.07	0.19	0.20	1.70	0.00	1.78
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73
3	1258.08	1260.03	1261.43	1262.78	1263.44	1263.78	1263.95	1264.12	1264.59	1265.31
6	1260.68	1267.26	1272.35	1275.38	1275.31	1273.49	1271.18	1269.02	1268.49	1268.95
9	1259.23	1269.43	1280.86	1286.30	1285.83	1282.32	1279.21	1277.87	1278.29	1279.31
12	1244.20	1259.37	1275.88	1284.69	1286.43	1286.59	1289.74	1293.81	1296.33	1295.47
15	1228.10	1248.90	1271.75	1285.98	1289.67	1293.97	1307.23	1317.36	1317.60	1307.65
18	1214.17	1243.36	1272.68	1294.10	1300.10	1304.26	1322.02	1336.72	1329.80	1310.14
21	1198.97	1230.56	1265.36	1292.86	1305.35	1308.92	1326.74	1341.11	1328.38	1305.27
24	1173.23	1194.32	1239.04	1277.30	1298.05	1307.49	1325.01	1335.73	1322.66	1303.79
27	1140.52	1163.57	1214.09	1258.19	1285.40	1302.56	1322.76	1328.22	1323.35	1304.86
30	1116.62	1151.11	1199.11	1245.82	1276.77	1297.02	1319.25	1319.33	1323.62	1297.51
33	1092.92	1149.03	1189.34	1231.33	1267.57	1286.98	1309.33	1307.92	1309.77	1276.69
36	1061.92	1134.69	1167.99	1199.68	1247.08	1271.04	1292.28	1292.37	1283.33	1255.04
39	1031.88	1092.41	1133.80	1167.82	1219.34	1248.81	1272.38	1271.88	1259.72	1236.95
42	997.82	1048.68	1108.32	1149.02	1197.24	1224.15	1247.58	1249.33	1238.16	1218.47
45	954.03	1005.67	1079.54	1124.73	1168.10	1201.60	1219.09	1226.79	1215.77	1196.50
48	901.30	966.02	1042.44	1088.78	1127.72	1172.52	1188.77	1200.03	1190.63	1166.45
51	833.91	927.83	996.82	1056.42	1093.07	1134.78	1156.89	1164.82	1160.14	1125.36
54	781.29	874.37	942.94	1025.44	1059.32	1099.15	1118.87	1123.27	1118.37	1083.50
57	731.43	818.83	898.78	976.96	1017.23	1060.28	1081.94	1079.44	1072.34	1043.24
60	686.93	758.55	851.56	918.25	966.98	1015.06	1041.79	1038.05	1022.73	1003.23
63	644.35	705.97	790.76	865.18	919.39	969.33	996.32	1000.95	975.04	961.35
66	576.78	656.46	733.02	812.66	867.31	917.51	945.41	958.16	927.69	913.25
69	508.23	589.36	674.74	749.22	810.18	859.45	889.27	901.25	875.85	859.95
72	445.74	532.77	622.56	688.81	752.41	805.10	831.31	839.61	822.80	803.07
75	381.79	477.94	555.65	638.23	688.44	749.53	772.66	783.74	767.70	741.75
78	319.64	420.17	495.88	581.41	629.37	685.19	718.13	730.54	712.68	681.52
81	265.05	356.15	438.42	511.10	569.61	618.60	658.94	671.34	653.22	628.17
84	215.30	309.83	397.23	464.85	537.40	577.19	610.61	623.20	606.01	591.76
87	180.72	279.48	372.25	434.92	505.73	551.25	587.83	589.13	581.10	563.32
90	160.82	264.66	350.39	423.57	489.61	533.36	566.61	586.35	562.40	533.01
93	108.50	174.97	221.07	282.33	309.11	363.15	342.10	359.50	318.10	345.37
96	17.85	21.27	35.36	39.92	42.07	52.08	46.85	34.41	39.25	49.31
99	0.30	0.38	2.13	2.42	4.01	7.97	13.39	4.01	9.64	9.78
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 155(SW)-48LED72DMVOA40.IES

CANDELA TABULATION - (Cont.)

108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73	1262.73
3	1266.26	1267.43	1268.59	1269.05	1270.48	1270.83	1271.12
6	1269.98	1271.07	1271.37	1271.38	1270.92	1269.87	1270.21
9	1279.40	1277.21	1272.74	1265.54	1259.46	1252.19	1251.59
12	1290.30	1282.05	1271.60	1257.88	1242.51	1230.31	1226.63
15	1294.38	1281.01	1265.40	1248.26	1228.93	1212.27	1207.19
18	1288.88	1272.80	1256.69	1236.36	1210.03	1194.39	1187.24
21	1283.14	1268.92	1253.26	1224.08	1187.50	1166.07	1159.67
24	1285.00	1269.43	1245.97	1203.55	1164.47	1137.92	1130.86
27	1283.07	1260.52	1227.52	1180.35	1141.87	1120.41	1106.85
30	1269.97	1242.06	1201.41	1156.93	1119.21	1102.12	1078.58
33	1254.05	1229.85	1182.00	1138.72	1088.36	1068.80	1036.75
36	1239.82	1213.28	1157.34	1113.80	1052.25	1022.30	986.32
39	1219.38	1184.35	1118.81	1067.36	1018.04	968.72	935.72
42	1191.86	1150.23	1089.88	1030.95	981.23	914.18	892.58
45	1159.82	1121.69	1063.65	999.25	939.52	863.33	858.78
48	1125.68	1088.78	1030.23	962.23	891.02	815.87	815.31
51	1091.83	1044.56	985.87	917.77	836.41	773.79	747.21
54	1055.06	998.49	932.89	861.87	798.96	723.00	675.80
57	1012.05	951.45	889.71	811.59	752.65	664.16	622.44
60	958.03	905.78	844.17	756.35	686.95	605.07	571.93
63	906.87	857.54	790.09	704.70	626.64	544.42	506.73
66	859.25	805.63	739.15	657.33	559.06	474.09	436.85
69	809.17	748.61	681.55	591.34	496.94	408.48	374.45
72	755.56	692.38	624.01	526.64	436.57	348.70	312.23
75	694.44	640.01	551.65	466.83	374.73	283.14	241.73
78	634.73	577.85	489.91	413.24	314.85	214.21	169.83

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	587.10	515.55	445.04	368.98	272.24	162.19	114.70
84	553.76	465.07	398.55	323.34	220.04	117.26	61.87
87	514.54	445.13	369.12	278.24	185.39	80.21	22.76
90	486.45	422.65	347.72	257.24	158.66	60.03	7.15
93	273.84	238.32	184.94	143.84	88.02	24.20	0.52
96	34.47	23.18	21.97	10.99	7.63	3.20	0.05
99	9.10	6.14	4.20	4.48	2.72	0.88	0.03
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	390.01	N.A.	7.20
0-30	1052.3	N.A.	19.50
0-40	1709.9	N.A.	31.70
0-60	3454.27	N.A.	64.10
0-80	4709.17	N.A.	87.40
0-90	5258.59	N.A.	97.60
10-90	5160.52	N.A.	95.70
20-40	1319.89	N.A.	24.50
20-50	2058.05	N.A.	38.20
40-70	2431.99	N.A.	45.10
60-80	1254.91	N.A.	23.30
70-80	567.28	N.A.	10.50
80-90	549.42	N.A.	10.20
90-110	131.38	N.A.	2.40
90-120	131.38	N.A.	2.40
90-130	131.38	N.A.	2.40
90-150	131.38	N.A.	2.40
90-180	131.38	N.A.	2.40
110-180	0.00	N.A.	0.00
0-180	5389.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.08
10-20	291.93
20-30	662.29
30-40	657.60
40-50	738.16
50-60	1006.2
60-70	687.62
70-80	567.28
80-90	549.42
90-100	130.83
100-110	0.55
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

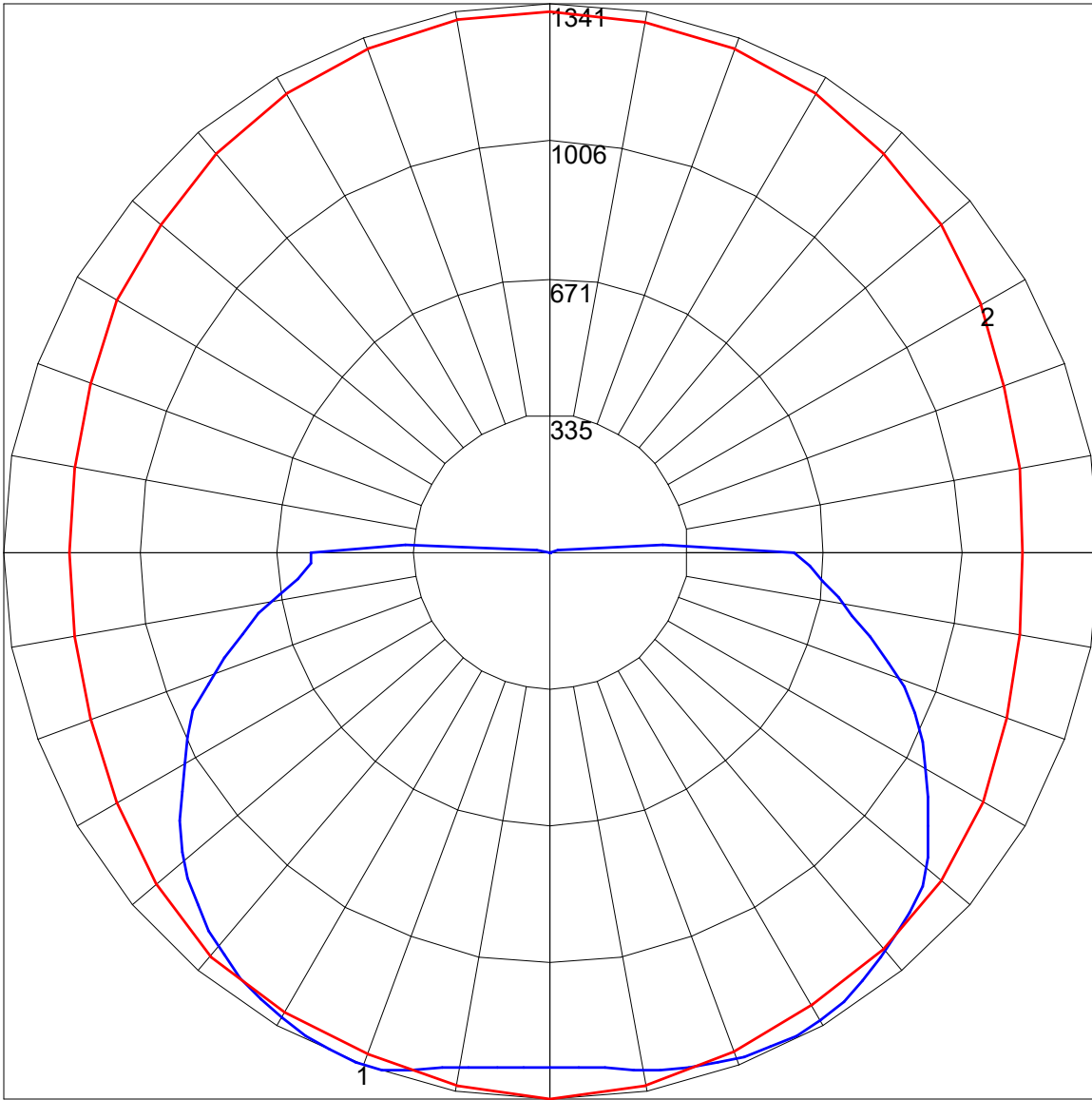
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	104	97	92	86	101	95	89	85	90	85	81	85	82	78	81	78	76	73
2	93	83	74	67	90	81	73	66	76	70	64	73	67	62	69	65	60	58
3	84	71	62	54	81	70	61	53	66	58	52	63	56	51	60	54	50	47
4	76	62	52	45	74	61	51	44	58	50	43	55	48	42	53	46	41	39
5	70	55	45	38	67	54	44	37	51	43	37	49	42	36	47	40	35	33
6	64	49	39	32	62	48	39	32	46	38	31	44	37	31	42	36	30	28
7	59	44	35	28	57	43	34	28	41	33	27	40	32	27	38	32	27	24
8	55	40	31	25	53	39	31	24	38	30	24	36	29	24	35	28	23	21
9	51	37	28	22	49	36	28	22	35	27	21	33	26	21	32	26	21	19
10	48	34	25	20	46	33	25	20	32	24	19	31	24	19	30	23	19	17

POLAR GRAPH



Maximum Candela = 1341.11 Located At Horizontal Angle = 270, Vertical Angle = 21
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (21) (Through Max. Cd.)