



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L45PSF36-LED41DMVWH40  
 [TESTDATE] 31-May-2017 07:37:09  
 [TESTLAB] Radiant Vision Systems ProSource  
 [ISSUE DATE] 6/1/2017 6:30:31 AM  
 [MANUFAC] Mobern Lighting Co.  
 [LAMP] LED Module  
 [\_TOTALLUMINAIRELUMENS] 4626.1  
 [\_NUMBEROF RAYS]10000000  
 [OTHER] Absolute Photometry measurement

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3278
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.91 m
Luminous Width (90-270)	0.10 m
Luminous Height	0.13 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8217	4229	3389
55	6716	2983	2346
65	5318	1984	1518
75	3816	1150	899
85	1927	469	421

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**CANDELA TABULATION**

	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>80</b>	<b>90</b>
<b>0</b>	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836
<b>3</b>	1104.510	1103.689	1102.527	1101.571	1100.247	1099.036	1098.406	1098.023	1097.917	1098.271
<b>6</b>	1099.163	1097.336	1095.283	1091.848	1088.173	1084.922	1083.180	1082.125	1082.508	1084.512
<b>9</b>	1087.882	1086.473	1084.094	1078.598	1071.843	1065.752	1061.227	1059.804	1061.128	1064.457
<b>12</b>	1069.364	1069.293	1067.572	1062.750	1055.760	1045.726	1037.978	1034.062	1034.912	1038.835
<b>15</b>	1043.013	1040.939	1040.372	1035.882	1028.029	1018.419	1009.942	1006.324	1005.148	1007.882
<b>18</b>	1011.607	1009.680	1001.742	999.398	991.523	984.661	977.062	972.714	971.758	970.462
<b>21</b>	977.990	976.616	970.696	963.940	955.357	946.916	940.911	934.396	927.831	926.061
<b>24</b>	942.221	944.275	942.150	927.335	914.773	906.339	897.926	887.700	877.920	878.118
<b>27</b>	903.506	905.482	902.550	888.387	870.541	861.930	852.830	837.045	827.478	829.687
<b>30</b>	860.613	858.198	853.786	840.600	818.435	806.785	797.487	785.760	776.859	778.594
<b>33</b>	812.720	809.498	800.440	788.926	768.410	751.740	737.025	727.741	721.091	722.564
<b>36</b>	761.095	759.310	742.959	737.726	716.842	700.214	682.638	671.810	663.376	664.226
<b>39</b>	707.686	707.686	692.304	679.430	663.539	649.425	630.510	620.823	609.683	607.013
<b>42</b>	655.112	652.208	640.517	626.219	613.040	596.200	581.640	564.538	556.600	552.556
<b>45</b>	604.563	593.530	587.199	574.594	560.020	540.007	527.940	510.647	505.322	501.710
<b>48</b>	551.012	537.607	537.061	524.357	507.142	484.240	474.510	462.974	455.248	454.306
<b>51</b>	491.442	490.663	481.747	471.521	455.878	434.038	426.397	416.880	407.928	409.472
<b>54</b>	436.290	441.906	436.198	413.289	405.747	388.532	379.375	373.880	360.545	365.056
<b>57</b>	394.226	391.662	387.236	368.392	361.877	345.957	338.224	330.151	321.696	319.855
<b>60</b>	353.365	344.251	335.859	324.500	316.746	305.174	296.967	287.563	286.437	277.691
<b>63</b>	302.080	297.618	290.955	282.131	270.871	266.679	259.073	249.322	250.837	242.148
<b>66</b>	249.924	247.445	245.285	242.750	232.078	229.189	220.564	215.323	214.197	210.720
<b>69</b>	208.149	204.842	210.040	198.929	195.544	190.948	183.293	184.150	181.147	180.248
<b>72</b>	172.848	171.361	174.158	163.252	164.442	158.075	152.729	153.161	152.856	151.051
<b>75</b>	137.836	137.907	134.395	131.512	129.572	131.045	124.509	121.315	124.204	124.020
<b>78</b>	103.604	103.073	101.076	102.117	97.988	97.726	99.128	95.141	96.954	98.909
<b>81</b>	76.148	75.228	80.142	79.576	78.025	77.926	79.314	78.004	76.573	78.294
<b>84</b>	48.268	50.860	51.313	53.346	53.077	54.061	57.984	58.423	57.942	58.692
<b>87</b>	24.205	27.392	27.470	28.843	32.094	36.095	37.568	41.406	41.328	41.569
<b>90</b>	6.756	9.086	11.968	15.764	16.911	23.065	22.739	26.535	27.123	31.825
<b>93</b>	10.587	13.908	18.610	24.417	30.593	35.578	39.699	42.801	45.683	45.669
<b>96</b>	18.632	20.869	25.451	31.180	36.215	41.781	46.682	48.828	51.674	52.368
<b>99</b>	27.675	28.114	34.105	38.588	44.458	48.835	52.616	55.789	57.510	58.069
<b>102</b>	39.551	38.481	42.667	47.064	52.404	56.171	59.400	62.594	63.699	63.642
<b>105</b>	50.938	48.537	51.611	55.853	60.725	64.995	66.652	70.016	70.221	70.172
<b>108</b>	62.538	59.712	61.610	65.066	69.881	73.380	74.966	76.977	77.423	76.970
<b>111</b>	74.399	72.162	72.501	75.362	79.009	81.438	83.315	84.399	85.369	84.243
<b>114</b>	87.245	85.418	85.567	88.485	88.952	91.034	91.778	92.578	94.178	92.457
<b>117</b>	101.692	99.496	100.438	100.403	99.128	100.750	100.495	101.104	102.966	101.819
<b>120</b>	117.271	114.566	112.845	112.477	112.555	110.742	110.345	110.091	111.684	111.139
<b>123</b>	133.587	131.364	127.766	125.960	126.265	122.101	121.981	120.352	121.237	119.452
<b>126</b>	151.560	148.303	143.133	141.313	137.758	134.607	133.460	131.852	131.357	128.028
<b>129</b>	171.920	165.115	157.566	159.173	150.859	146.370	145.166	143.693	142.730	138.289
<b>132</b>	193.370	181.891	176.735	174.356	166.545	159.322	157.325	156.872	154.351	150.123
<b>135</b>	214.480	201.117	196.019	189.043	184.008	176.275	173.258	170.574	167.154	163.146
<b>138</b>	235.314	220.606	217.086	205.543	200.098	194.702	189.893	185.049	180.722	177.507
<b>141</b>	256.120	239.365	236.830	225.032	216.067	211.903	204.927	200.685	195.813	193.377
<b>144</b>	276.388	259.087	255.015	249.067	237.637	229.777	222.440	217.533	212.080	210.309
<b>147</b>	295.374	281.720	274.695	269.292	260.327	248.245	240.951	237.389	229.904	227.971
<b>150</b>	312.412	303.142	292.980	287.301	279.419	267.649	260.844	256.708	248.947	246.999
<b>153</b>	327.262	322.050	312.065	305.082	298.560	288.596	281.062	274.745	269.313	267.982
<b>156</b>	341.390	339.258	332.878	324.748	318.332	308.949	301.350	296.068	291.833	290.353
<b>159</b>	355.971	356.247	352.040	346.807	338.699	329.656	323.247	318.403	314.905	313.226

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**CANDELA TABULATION - (Cont.)**

162	369.447	370.778	367.110	362.868	355.610	348.670	342.431	338.373	336.907	335.739
165	380.154	380.395	379.255	375.587	370.701	365.658	360.815	358.032	356.346	357.033
168	388.688	388.773	387.923	386.053	384.085	380.608	377.640	375.651	375.509	376.281
171	396.230	396.230	396.449	395.182	394.098	392.972	392.151	391.959	392.278	392.724
174	403.892	404.034	404.919	405.117	404.869	404.572	404.947	405.075	405.273	405.747
177	411.930	412.064	412.007	412.907	412.723	413.020	413.466	413.820	414.125	414.507
180	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248

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

	<b>100</b>	<b>110</b>	<b>120</b>	<b>130</b>	<b>140</b>	<b>150</b>	<b>160</b>	<b>170</b>	<b>180</b>	<b>190</b>
0	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836
3	1098.554	1099.114	1099.631	1099.971	1100.261	1100.608	1100.141	1100.403	1100.573	1100.686
6	1087.302	1090.141	1092.790	1093.909	1094.298	1093.994	1092.818	1090.977	1091.034	1091.097
9	1069.924	1075.631	1079.965	1081.176	1079.533	1076.644	1076.580	1074.930	1076.021	1076.226
12	1044.855	1051.908	1057.587	1057.524	1055.463	1051.171	1052.290	1055.456	1058.515	1058.664
15	1010.856	1018.228	1022.385	1023.178	1020.770	1024.148	1031.166	1036.385	1040.563	1039.154
18	972.870	976.163	982.275	985.929	989.193	999.745	1007.967	1016.429	1017.619	1017.406
21	930.621	936.209	942.766	947.561	956.363	968.607	976.482	983.797	985.192	984.109
24	885.519	890.015	892.770	900.772	910.063	917.011	930.820	941.654	945.932	942.518
27	833.646	833.179	839.332	850.330	861.583	867.489	878.380	896.318	903.768	896.991
30	778.077	776.589	786.631	800.688	816.707	823.930	829.801	847.264	860.436	847.158
33	720.956	721.027	737.917	752.519	774.734	783.742	781.143	794.152	816.445	793.904
36	664.927	670.096	686.278	695.399	720.418	740.679	729.291	735.998	769.791	736.501
39	610.859	620.157	625.978	634.285	657.201	682.595	686.186	680.457	718.612	681.668
42	555.169	565.182	574.459	585.068	603.919	622.069	631.048	627.777	664.254	628.513
45	503.417	513.508	523.132	540.156	555.205	560.834	586.250	577.554	608.741	576.995
48	455.935	461.239	468.589	486.506	505.619	508.855	524.810	528.330	553.689	527.714
51	410.995	407.539	420.619	435.334	452.939	464.914	464.206	482.292	500.294	482.547
54	363.286	365.326	378.058	394.049	401.243	411.214	418.324	434.230	448.442	433.571
57	320.605	327.474	338.989	351.948	357.295	359.370	370.892	386.740	397.738	383.483
60	281.387	287.683	296.804	303.312	312.143	311.449	324.245	339.704	347.636	335.172
63	246.482	248.854	258.039	260.497	264.625	270.156	286.861	295.529	298.072	291.450
66	213.007	212.384	220.110	223.977	225.337	233.105	242.594	251.361	250.788	247.891
69	180.149	178.966	183.739	184.738	188.611	193.101	201.571	207.668	207.696	205.458
72	149.960	148.891	152.176	150.264	156.787	157.998	164.024	166.304	169.371	165.504
75	120.720	120.713	122.179	121.138	124.190	124.381	127.412	129.926	135.478	128.552
78	94.702	95.382	96.140	94.674	95.644	95.764	95.991	97.868	103.568	94.964
81	75.051	75.922	73.245	72.509	70.604	68.890	68.876	65.356	68.982	62.353
84	58.402	54.358	54.103	50.258	45.726	44.798	42.610	43.651	42.213	41.512
87	40.769	38.510	35.975	31.952	26.074	22.534	22.576	21.372	20.735	21.351
90	29.948	29.729	25.133	22.930	16.528	11.005	11.238	7.492	6.338	6.728
93	46.016	43.715	38.609	33.815	32.271	26.691	22.038	15.728	10.552	9.298
96	51.936	50.988	45.280	40.854	38.793	34.473	29.049	23.051	17.074	16.408
99	58.034	56.681	51.575	48.651	46.037	41.696	37.150	30.238	24.835	23.787
102	63.933	60.774	57.439	54.918	52.043	47.971	42.851	37.844	33.043	32.186
105	70.972	67.042	65.002	63.664	60.024	55.527	50.959	47.185	44.225	41.760
108	78.138	74.350	73.330	71.970	69.251	63.288	59.910	57.920	56.950	53.317
111	85.355	82.324	81.559	80.504	78.825	72.523	70.136	70.320	70.681	67.367
114	93.484	90.935	90.106	90.375	89.264	85.085	83.110	83.265	84.165	82.047
117	101.465	99.397	98.753	100.325	98.987	96.551	96.919	97.237	96.961	97.322
120	108.412	107.223	107.924	110.239	111.082	108.278	108.207	112.597	112.569	113.511
123	115.883	115.905	118.596	120.685	124.027	122.391	123.539	128.389	133.481	129.869
126	125.281	126.746	129.841	133.035	136.937	138.898	140.563	145.074	154.450	146.908
129	137.199	138.721	142.340	146.738	151.291	156.468	156.064	164.725	170.596	166.326
132	149.301	151.709	154.492	161.092	165.858	171.268	176.530	183.583	185.956	184.299

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**CANDELA TABULATION - (Cont.)**

135	162.714	164.895	168.613	176.374	182.408	187.641	195.927	201.040	204.970	200.664
138	177.486	179.674	184.115	192.740	200.423	205.168	215.104	218.687	224.643	217.356
141	193.802	196.153	199.984	209.580	217.752	223.290	233.325	238.402	241.695	236.115
144	210.621	212.660	218.297	226.328	236.164	244.705	251.312	257.820	259.144	255.136
147	228.594	231.575	236.787	243.834	255.511	264.413	271.055	276.558	280.042	274.525
150	247.481	251.560	257.296	264.059	275.021	284.206	290.176	296.415	301.315	294.694
153	267.628	271.119	278.767	286.826	296.584	304.303	311.236	317.709	319.571	315.429
156	290.140	293.716	300.033	308.050	317.914	325.088	332.722	336.730	336.326	334.216
159	313.694	317.100	322.482	328.629	338.026	346.170	350.065	353.620	353.669	351.906
162	336.822	338.578	342.410	347.607	354.533	362.118	365.517	370.113	370.863	369.475
165	357.543	360.276	362.805	366.784	371.904	377.931	382.541	384.588	386.478	384.531
168	377.230	378.653	381.082	384.085	388.405	391.896	395.493	397.788	398.984	398.113
171	393.454	394.148	395.139	396.803	399.098	402.008	404.926	406.413	407.433	406.965
174	406.080	406.583	407.369	408.035	409.338	410.775	411.993	412.517	413.105	412.893
177	414.713	415.031	415.343	415.633	416.079	416.582	416.660	416.972	417.071	416.943
180	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248

**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	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836
3	1100.714	1101.706	1101.670	1102.031	1102.414	1102.655	1102.860	1103.172	1103.398	1103.788
6	1092.974	1094.213	1094.652	1094.610	1094.546	1093.555	1092.620	1092.245	1092.493	1093.519
9	1078.436	1078.379	1079.724	1079.824	1078.259	1075.553	1073.039	1071.680	1072.714	1074.888
12	1057.878	1057.070	1058.465	1056.688	1053.933	1048.679	1044.763	1043.665	1045.839	1050.194
15	1037.242	1032.426	1027.483	1024.870	1020.749	1016.110	1010.318	1010.495	1013.455	1020.501
18	1011.422	1006.947	996.098	988.967	983.216	977.225	973.762	972.318	977.629	982.452
21	978.578	973.862	959.734	947.114	942.299	936.542	931.273	928.589	933.057	940.344
24	932.994	920.672	909.320	896.552	889.753	886.822	882.757	878.225	882.608	890.610
27	880.285	871.129	860.188	846.874	837.144	830.587	827.506	821.289	830.105	835.367
30	831.649	828.434	815.737	797.657	783.813	776.802	770.860	762.511	775.556	777.645
33	783.260	787.474	770.669	746.443	728.406	717.387	712.551	706.220	712.359	716.445
36	731.104	740.849	712.246	689.557	671.399	656.882	652.577	650.360	648.434	664.608
39	686.179	677.447	648.002	630.517	610.724	601.263	594.720	592.482	595.109	614.492
42	633.584	614.994	594.911	576.612	558.115	545.099	537.614	535.107	543.987	552.662
45	575.592	555.948	545.984	524.307	505.527	493.750	484.466	481.485	491.300	494.983
48	526.042	505.208	495.811	469.822	453.732	444.533	435.525	432.679	439.612	446.325
51	460.233	457.861	442.933	420.718	407.376	394.643	391.520	388.582	392.908	399.615
54	411.476	401.378	391.882	379.021	360.723	351.106	346.595	346.637	346.467	357.847
57	365.297	350.815	347.133	337.190	318.743	309.558	305.281	304.799	306.286	316.675
60	320.464	303.631	299.899	291.521	278.647	270.071	265.652	265.518	268.591	275.184
63	281.472	264.257	252.643	249.095	242.325	234.422	230.258	231.108	233.112	235.846
66	236.129	228.870	215.791	213.475	205.508	200.926	197.428	199.050	198.950	199.106
69	197.343	186.374	181.296	176.792	171.134	169.732	166.545	166.835	167.232	166.290
72	161.496	150.647	150.257	143.275	141.809	141.476	138.863	136.824	139.592	138.049
75	125.373	119.799	117.710	114.446	113.667	113.993	113.178	111.578	113.971	111.988
78	94.029	93.003	89.363	88.959	88.945	89.398	90.602	89.759	91.395	88.385
81	65.710	65.597	63.104	65.087	64.039	67.573	66.801	67.601	68.791	67.983
84	40.932	43.375	41.569	45.428	47.673	50.648	51.405	51.589	52.213	50.081
87	21.868	22.470	26.995	31.237	34.353	35.606	35.620	38.418	36.669	35.273
90	11.486	14.808	17.598	18.575	25.855	27.059	28.199	30.196	28.737	28.362
93	11.416	13.859	16.783	18.603	20.700	22.335	23.192	25.579	25.614	24.573
96	18.178	19.857	20.459	21.535	23.582	24.771	25.416	27.045	27.222	26.676
99	26.188	26.705	26.776	27.809	28.319	29.268	29.566	31.024	31.740	30.996
102	33.751	34.183	34.211	35.061	35.528	35.762	36.187	37.532	38.538	38.439
105	43.162	42.950	42.688	43.368	43.028	43.580	43.014	43.573	45.117	45.733

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**CANDELA TABULATION - (Cont.)**

108	53.133	52.666	52.333	51.859	50.633	51.653	50.556	50.209	52.453	52.744
111	64.067	63.564	62.453	60.569	58.756	59.464	58.487	58.041	60.094	60.172
114	77.912	77.706	73.755	70.504	68.812	67.714	67.502	66.942	68.529	68.656
117	93.824	90.531	84.526	81.042	79.286	77.274	76.949	76.595	77.536	77.862
120	107.548	102.903	98.130	93.024	89.568	87.925	86.466	86.573	87.288	87.451
123	124.048	116.301	112.300	105.721	100.870	99.043	96.784	96.600	97.939	98.201
126	139.430	131.024	124.431	118.100	112.647	110.331	107.952	107.017	108.518	110.190
129	153.345	146.851	136.682	130.578	126.357	122.264	120.472	118.312	119.842	122.094
132	172.685	161.390	150.321	144.125	139.564	135.478	132.504	130.960	131.420	134.586
135	190.757	177.061	166.559	159.428	153.217	148.664	145.803	145.137	144.443	147.170
138	208.192	193.016	182.967	175.680	167.976	164.123	161.007	159.881	158.068	159.853
141	225.386	210.267	199.113	193.009	184.950	182.408	177.890	174.469	172.756	173.011
144	243.416	232.531	219.360	211.896	205.423	199.729	194.999	190.106	188.618	188.278
147	263.981	253.571	241.270	231.264	224.303	218.212	213.673	208.234	206.691	207.972
150	284.461	274.539	261.715	251.616	243.834	238.714	234.967	229.238	226.965	228.700
153	306.421	295.239	283.519	274.398	265.787	260.780	258.089	252.679	249.697	249.088
156	327.496	315.273	305.288	297.264	289.857	286.288	281.749	275.906	273.442	272.613
159	345.483	337.006	327.984	320.903	315.761	310.372	303.369	296.917	295.267	295.742
162	362.960	357.061	348.946	343.514	337.842	331.532	324.564	318.275	317.270	317.879
165	382.038	376.727	370.616	365.248	359.611	353.797	346.411	342.310	340.179	342.162
168	396.067	392.661	389.169	384.007	379.106	373.675	369.284	366.126	364.398	364.568
171	406.031	403.396	400.365	397.306	393.999	390.982	388.376	386.174	384.949	384.418
174	412.609	411.434	409.777	407.992	406.427	404.501	403.000	401.753	400.698	400.323
177	416.589	416.327	415.711	414.975	414.344	413.679	413.041	412.609	412.029	411.660
180	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248	417.248

**Vert. Horizontal Angles**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
0	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836	1104.836
3	1104.220	1104.609	1105.041	1105.381	1105.176	1105.020	1104.510
6	1095.120	1096.331	1097.974	1099.447	1100.169	1099.602	1099.163
9	1077.543	1079.887	1081.672	1083.414	1086.339	1086.806	1087.882
12	1055.158	1058.126	1061.036	1061.270	1063.642	1066.489	1069.364
15	1024.141	1027.724	1030.486	1034.027	1037.093	1039.041	1043.013
18	985.858	991.261	999.178	1006.161	1006.118	1011.585	1011.607
21	944.870	952.369	967.538	976.680	978.181	981.007	977.990
24	897.841	909.617	925.572	931.960	943.687	947.766	942.221
27	848.723	862.751	878.083	884.924	896.835	906.763	903.506
30	790.377	805.093	824.029	836.096	848.000	857.858	860.613
33	730.956	747.435	770.039	784.507	800.801	809.122	812.720
36	676.781	693.112	715.057	732.039	749.325	759.735	761.095
39	618.677	641.104	662.576	674.211	697.807	706.439	707.686
42	564.177	589.302	611.355	622.076	640.063	648.476	655.112
45	508.898	534.285	552.110	569.906	585.089	592.347	604.563
48	456.473	478.525	495.478	519.018	536.899	542.054	551.012
51	410.563	425.930	447.054	468.936	481.209	495.323	491.442
54	364.837	375.757	399.799	413.827	434.258	440.674	436.290
57	323.728	330.831	355.709	367.443	383.646	387.569	394.226
60	283.158	290.912	308.935	321.257	332.155	342.749	353.365
63	247.155	253.026	262.642	276.586	289.432	298.029	302.080
66	211.669	217.136	225.499	235.761	243.175	247.204	249.924
69	176.360	181.353	188.413	192.797	202.852	204.099	208.149
72	143.962	149.875	155.158	156.971	165.738	170.674	172.848
75	112.817	120.238	121.740	124.126	129.650	136.859	137.836
78	87.833	92.493	92.811	95.297	98.151	101.338	103.604

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**CANDELA TABULATION - (Cont.)**

<b>81</b>	66.886	68.904	69.577	71.460	74.442	72.523	76.148
<b>84</b>	50.541	46.130	47.765	49.040	46.342	48.155	48.268
<b>87</b>	35.535	27.576	28.858	25.232	23.801	24.715	24.205
<b>90</b>	25.395	21.535	18.844	15.728	9.284	7.329	6.756
<b>93</b>	24.177	20.515	16.840	13.328	11.246	10.141	10.587
<b>96</b>	26.641	23.504	20.062	18.802	16.507	16.401	18.632
<b>99</b>	30.947	28.836	27.356	25.203	24.686	24.134	27.675
<b>102</b>	38.446	37.518	36.435	34.268	34.466	35.571	39.551
<b>105</b>	45.301	46.037	44.423	43.007	44.097	46.193	50.938
<b>108</b>	52.942	54.741	53.848	52.368	54.245	57.170	62.538
<b>111</b>	60.994	64.145	63.897	63.196	64.669	68.762	74.399
<b>114</b>	70.412	74.251	75.058	77.133	76.871	81.849	87.245
<b>117</b>	80.582	84.144	86.112	89.596	91.289	96.763	101.692
<b>120</b>	90.269	94.681	99.709	101.678	103.816	112.371	117.271
<b>123</b>	100.545	105.849	113.383	114.991	119.091	129.062	133.587
<b>126</b>	111.967	117.923	125.904	130.733	135.662	146.398	151.560
<b>129</b>	125.146	130.408	140.711	150.010	151.907	164.633	171.920
<b>132</b>	137.673	143.459	157.431	167.515	173.959	182.542	193.370
<b>135</b>	151.978	159.095	175.355	185.510	196.309	201.769	214.480
<b>138</b>	166.743	175.588	191.522	204.502	220.089	221.881	235.314
<b>141</b>	180.078	190.615	206.259	223.871	240.548	243.210	256.120
<b>144</b>	195.396	205.784	222.943	244.138	256.857	263.733	276.388
<b>147</b>	212.363	222.341	240.675	259.895	272.528	283.129	295.374
<b>150</b>	231.745	241.546	257.069	274.454	287.789	301.513	312.412
<b>153</b>	252.190	262.671	275.729	290.119	305.734	319.925	327.262
<b>156</b>	273.406	282.754	295.076	307.511	323.834	336.319	341.390
<b>159</b>	297.604	304.516	315.691	327.609	339.924	350.900	355.971
<b>162</b>	320.952	327.595	336.164	346.680	355.404	364.802	369.447
<b>165</b>	345.200	350.929	357.727	365.311	372.081	376.472	380.154
<b>168</b>	367.209	371.232	376.529	380.424	384.361	387.024	388.688
<b>171</b>	384.906	386.542	388.844	391.450	394.070	395.160	396.230
<b>174</b>	400.358	400.365	401.307	402.355	403.106	403.155	403.892
<b>177</b>	411.342	411.030	411.044	411.583	411.101	411.611	411.930
<b>180</b>	417.248	417.248	417.248	417.248	417.248	417.248	417.248

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	322.31	N.A.	9.80
0-30	803.80	N.A.	24.50
0-40	1211.06	N.A.	36.90
0-60	2014.64	N.A.	61.50
0-80	2364.49	N.A.	72.10
0-90	2432.5	N.A.	74.20
10-90	2348.12	N.A.	71.60
20-40	888.75	N.A.	27.10
20-50	1274.3	N.A.	38.90
40-70	1021.3	N.A.	31.20
60-80	349.85	N.A.	10.70
70-80	132.14	N.A.	4.00
80-90	68.00	N.A.	2.10
90-110	73.26	N.A.	2.20
90-120	171.12	N.A.	5.20
90-130	271.62	N.A.	8.30
90-150	566.56	N.A.	17.30
90-180	845.75	N.A.	25.80
110-180	772.49	N.A.	23.60
0-180	3278.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	84.38
10-20	237.93
20-30	481.49
30-40	407.26
40-50	385.55
50-60	418.04
60-70	217.72
70-80	132.14
80-90	68.00
90-100	26.96
100-110	46.30
110-120	97.86
120-130	100.50
130-140	119.82
140-150	175.12
150-160	125.44
160-170	99.09
170-180	54.66

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L45PSF36-LED1U2D41DMVWH40.IES**

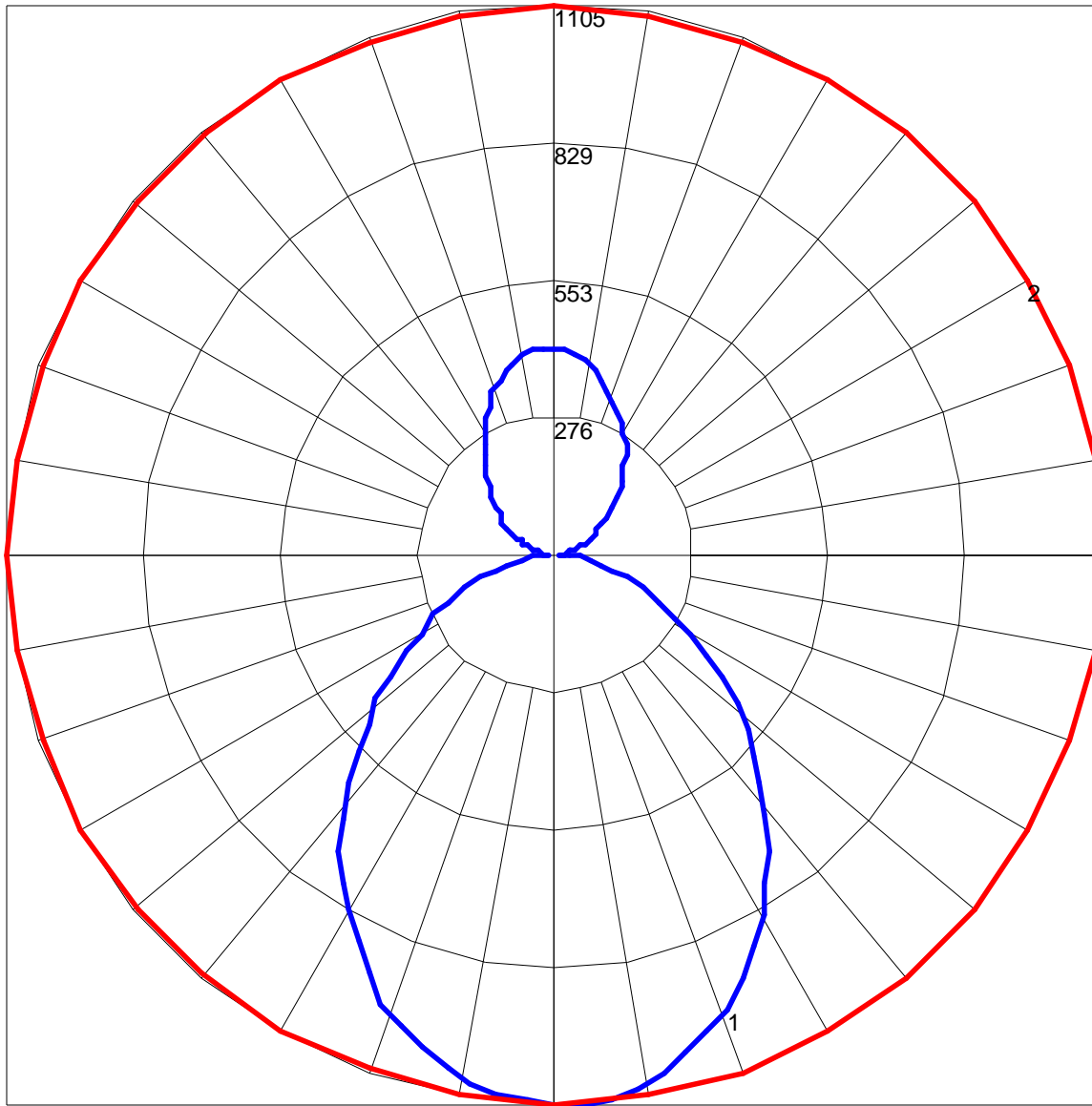
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74	0
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	63	0
2	94	87	80	75	89	83	77	72	75	70	67	68	64	61	61	59	56	53	0
3	86	76	69	63	82	73	66	61	66	61	56	60	56	52	55	51	48	45	0
4	79	68	60	54	75	65	58	52	59	53	48	54	49	45	49	45	42	39	0
5	73	61	52	46	69	58	51	45	53	47	42	49	43	39	44	40	37	34	0
6	67	55	46	40	64	53	45	39	48	42	37	44	39	35	40	36	32	30	0
7	62	50	41	36	59	48	40	35	44	37	33	40	35	31	37	32	29	27	0
8	58	45	37	32	55	44	36	31	40	34	29	37	32	28	34	29	26	24	0
9	54	42	34	29	51	40	33	28	37	31	26	34	29	25	31	27	24	22	0
10	51	38	31	26	48	37	30	25	34	28	24	32	26	23	29	25	21	20	0



POLAR GRAPH



Maximum Candela = 1105.381 Located At Horizontal Angle = 330, Vertical Angle = 3  
# 1 - Vertical Plane Through Horizontal Angles (330 - 150) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)