



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 10T596LED70DMVXXSW40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 10T596LED70DMVxxSW40
 [TESTDATE] 20-Jan-2020 08:33:13
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 1/20/2020 9:49:23 AM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [TOTALLUMINAIRELUMENS] 7245
 [DRIVER TYPE](1) PHILIPS ADVANCED 75W
 [BOARD/LAMP TYPE] (4) PHILIPS "Z" BOARD
 [COLOR TEMP] 4015 CCT
 [LUMEN/WATT] 105 LPW
 [CRI] 83.9
 [NUMBEROFRAYS]10000000
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7247
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	69
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.41 m
Luminous Width (90-270)	0.05 m
Luminous Height	0.08 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14369	7794	7187
55	13094	6452	6100
65	11636	5249	5174
75	9455	4322	4437
85	6471	3546	3823

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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	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180
3	2117.398	2116.185	2114.686	2115.007	2113.722	2113.401	2113.686	2113.900	2114.043	2114.293
6	2099.659	2097.339	2097.196	2095.912	2094.662	2094.234	2096.126	2097.946	2099.267	2100.052
9	2075.103	2074.068	2075.389	2073.354	2072.498	2073.140	2076.816	2081.028	2083.384	2083.027
12	2045.907	2047.549	2050.725	2051.975	2052.724	2052.831	2057.471	2062.789	2065.288	2063.753
15	2011.964	2009.430	2013.284	2013.820	2013.962	2020.530	2028.489	2036.306	2040.196	2041.660
18	1967.420	1963.637	1956.213	1961.852	1965.600	1982.446	1994.724	2000.971	2008.751	2013.213
21	1907.707	1905.173	1904.780	1912.847	1926.303	1947.789	1962.352	1965.243	1969.954	1975.986
24	1838.536	1841.248	1853.848	1859.202	1878.261	1905.030	1918.308	1925.018	1930.978	1935.047
27	1767.009	1768.829	1786.318	1801.594	1820.797	1847.851	1864.948	1879.689	1894.894	1895.500
30	1693.840	1690.306	1712.364	1735.564	1756.301	1787.103	1807.805	1832.896	1857.774	1855.454
33	1617.744	1620.778	1634.091	1668.606	1697.695	1736.706	1755.266	1777.716	1810.767	1811.624
36	1534.725	1548.609	1548.502	1594.687	1626.882	1677.993	1706.546	1724.143	1755.445	1761.798
39	1442.925	1457.594	1469.158	1500.139	1543.612	1607.108	1650.724	1673.603	1703.691	1705.511
42	1350.803	1357.406	1389.529	1422.259	1478.117	1531.976	1588.406	1612.462	1648.011	1647.833
45	1265.535	1265.428	1305.510	1341.773	1407.804	1455.631	1518.163	1547.931	1583.195	1592.938
48	1178.196	1176.911	1215.994	1256.576	1331.244	1382.105	1451.027	1490.574	1515.344	1536.402
51	1080.221	1087.931	1117.627	1176.554	1252.935	1313.041	1386.174	1432.217	1454.881	1473.477
54	979.641	990.491	1044.137	1086.717	1166.703	1245.297	1312.184	1369.470	1391.171	1407.375
57	885.592	898.334	958.012	1006.339	1093.784	1174.056	1239.694	1302.869	1326.247	1342.094
60	793.792	809.818	858.038	924.818	1012.371	1098.995	1167.060	1235.875	1258.682	1277.099
63	698.744	718.589	773.055	845.938	924.711	1020.651	1101.208	1167.524	1194.936	1211.354
66	603.125	622.006	679.399	768.272	862.464	954.121	1037.534	1100.851	1131.547	1146.323
69	510.575	530.991	598.021	678.864	797.576	892.124	972.967	1040.460	1068.086	1083.755
72	420.346	445.616	524.210	611.870	730.225	828.806	908.150	978.820	1007.552	1023.649
75	331.544	363.203	450.577	553.692	659.554	772.413	841.941	911.077	943.342	965.043
78	246.632	285.751	380.763	493.693	602.768	707.239	781.371	842.048	877.919	904.010
81	180.174	223.183	330.759	442.653	555.084	653.594	733.580	795.149	823.881	845.403
84	112.180	169.894	271.046	390.043	492.658	593.488	684.432	739.290	773.162	789.081
87	57.000	118.105	223.468	333.114	452.326	549.230	624.326	697.781	711.593	745.858
90	22.343	87.553	187.276	286.358	408.175	480.915	560.794	644.278	671.333	686.395
93	1.535	25.556	75.632	122.995	152.120	207.871	238.959	300.884	259.910	281.646
96	0.143	1.749	5.211	5.461	10.922	12.314	18.274	29.375	26.269	19.238
99	0.107	0.393	2.034	2.463	1.785	2.320	2.855	2.748	4.533	1.249
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	100	110	120	130	140	150	160	170	180	190
0	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180
3	2113.972	2113.651	2113.115	2112.330	2111.866	2112.615	2111.116	2112.044	2112.758	2113.258
6	2099.195	2097.768	2095.626	2092.699	2091.736	2091.129	2089.987	2087.667	2089.094	2089.701
9	2080.100	2075.281	2069.749	2064.574	2060.683	2056.686	2056.900	2054.116	2056.722	2058.363
12	2057.721	2049.405	2042.124	2037.269	2033.201	2024.884	2019.602	2017.210	2019.638	2024.741
15	2035.021	2023.492	2011.892	2006.610	1998.829	1991.512	1985.694	1978.056	1979.591	1986.908
18	2010.179	1993.547	1973.880	1964.636	1954.107	1948.253	1939.901	1936.154	1930.800	1945.041
21	1975.451	1958.961	1931.050	1917.701	1907.065	1893.466	1882.116	1873.371	1869.053	1882.687
24	1932.549	1919.664	1888.969	1874.906	1854.062	1824.580	1813.016	1801.345	1803.986	1813.837
27	1883.044	1875.941	1848.066	1825.401	1794.563	1760.085	1737.955	1732.673	1743.880	1752.197
30	1834.074	1832.647	1794.670	1758.407	1720.074	1689.664	1664.929	1660.040	1677.350	1684.489
33	1788.103	1774.112	1731.816	1700.193	1655.185	1620.743	1584.694	1578.305	1593.153	1598.471
36	1737.170	1707.938	1677.279	1646.084	1591.297	1553.070	1498.569	1487.397	1498.961	1501.138
39	1684.167	1654.329	1620.064	1574.914	1509.847	1467.088	1423.758	1393.669	1405.805	1407.946
42	1629.237	1595.758	1547.110	1487.611	1429.861	1385.353	1347.377	1300.442	1317.931	1319.466
45	1569.239	1526.337	1481.615	1419.653	1352.766	1296.373	1262.430	1212.568	1235.054	1234.661
48	1503.316	1467.052	1433.823	1359.155	1287.093	1208.570	1167.738	1126.193	1146.716	1149.214
51	1443.531	1412.372	1368.578	1276.028	1213.674	1130.976	1061.233	1042.174	1044.565	1064.053
54	1383.961	1347.698	1288.699	1188.297	1117.805	1040.211	982.318	952.337	939.273	971.717
57	1322.178	1276.778	1219.385	1114.272	1040.639	958.547	897.085	859.644	842.583	882.095
60	1254.720	1211.640	1142.468	1046.778	970.647	879.882	808.961	762.919	750.319	792.650
63	1193.080	1149.964	1070.299	972.003	889.269	807.819	734.829	670.797	656.164	700.386
66	1133.867	1081.756	1003.626	907.900	818.705	736.364	644.278	581.067	561.258	601.662
69	1067.551	1009.658	934.705	846.652	750.748	651.167	562.686	493.158	468.316	507.827
72	999.272	946.198	873.172	781.443	695.425	584.922	491.409	406.890	378.907	422.273
75	933.848	889.875	815.422	730.153	630.251	522.604	419.953	325.797	294.210	343.715
78	874.885	828.521	756.708	675.080	570.717	462.927	351.710	252.771	214.902	270.439
81	821.918	769.343	696.638	613.476	509.505	401.608	289.392	182.529	137.308	195.164
84	769.772	711.308	655.093	566.434	459.215	357.956	236.817	139.627	79.129	147.159
87	723.729	672.118	604.124	525.495	414.635	305.310	195.664	100.937	32.444	103.578
90	666.514	611.763	551.836	468.709	376.623	276.257	160.472	74.347	7.317	73.561
93	262.337	312.984	266.334	234.212	185.563	146.052	90.836	28.982	1.463	29.446
96	34.657	33.122	25.234	27.447	22.129	15.776	13.206	6.175	1.642	4.247
99	7.602	2.391	1.142	0.678	0.750	0.107	0.214	1.463	0.500	0.714
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180
3	2113.543	2116.506	2116.863	2118.790	2120.825	2122.431	2123.680	2124.501	2124.786	2124.572
6	2094.091	2097.625	2100.623	2103.907	2109.046	2113.472	2116.506	2118.790	2119.111	2118.183
9	2065.288	2069.071	2077.066	2084.669	2093.235	2100.123	2104.799	2107.583	2108.761	2107.547
12	2034.093	2045.514	2058.899	2069.464	2079.814	2087.595	2091.236	2093.520	2096.304	2096.768
15	2003.969	2018.710	2033.201	2049.333	2063.218	2075.888	2078.494	2078.922	2083.169	2085.525
18	1960.389	1981.376	1994.724	2012.285	2032.737	2056.258	2063.539	2063.110	2068.072	2068.107
21	1905.316	1933.263	1953.107	1968.312	1993.904	2024.706	2037.733	2044.479	2044.622	2041.124
24	1840.213	1868.981	1903.531	1928.087	1959.068	1987.443	2002.898	2019.959	2009.465	2003.326
27	1768.437	1805.271	1846.245	1879.260	1923.376	1950.716	1966.992	1987.122	1964.636	1961.031
30	1695.161	1730.567	1774.147	1814.194	1871.480	1910.884	1931.728	1947.325	1921.449	1921.127
33	1613.069	1657.969	1712.935	1762.476	1814.015	1856.239	1889.540	1902.389	1885.578	1874.656
36	1532.083	1599.292	1660.468	1715.648	1764.689	1800.238	1838.893	1851.742	1850.029	1824.616
39	1463.340	1530.299	1591.368	1655.649	1712.400	1751.090	1789.352	1795.598	1807.270	1775.040
42	1381.249	1447.850	1512.774	1580.089	1651.188	1698.694	1737.777	1740.026	1753.874	1717.076
45	1291.769	1348.912	1429.826	1511.418	1584.265	1642.194	1682.133	1689.842	1692.662	1654.400
48	1211.354	1259.646	1359.405	1446.458	1517.807	1585.229	1619.244	1639.659	1626.311	1593.938
51	1121.945	1187.369	1284.023	1370.577	1447.814	1524.517	1555.390	1582.909	1562.065	1534.154
54	1038.819	1100.816	1187.512	1293.517	1372.718	1461.056	1490.038	1517.735	1496.177	1476.939
57	940.701	1019.866	1111.059	1220.099	1305.510	1390.172	1432.859	1445.816	1438.963	1412.729
60	849.722	937.560	1042.495	1145.003	1236.874	1313.148	1370.184	1376.644	1380.606	1338.382
63	776.160	861.500	960.760	1065.695	1169.987	1239.622	1295.373	1317.503	1312.506	1265.535
66	685.752	790.080	887.306	1002.056	1099.638	1170.273	1215.709	1258.432	1237.766	1200.361
69	604.517	705.883	813.709	935.133	1026.683	1102.422	1144.896	1189.368	1170.665	1137.757
72	529.599	637.604	755.031	858.181	961.581	1040.675	1083.648	1116.949	1111.131	1072.405
75	451.077	571.966	690.035	803.393	898.085	982.175	1020.437	1049.098	1046.599	1002.948
78	379.086	509.897	629.252	749.534	834.874	912.825	956.406	982.068	981.247	929.101
81	317.767	445.652	558.903	671.761	766.988	835.088	880.310	906.472	906.151	863.356
84	261.409	397.646	500.189	614.118	725.335	787.368	829.770	845.010	845.617	803.715
87	219.828	339.004	457.251	560.901	670.191	727.655	762.669	782.585	788.724	752.068
90	181.102	291.676	415.242	524.174	610.977	683.325	709.773	751.961	726.870	677.615
93	106.969	187.348	242.421	334.042	367.022	457.608	407.033	424.843	387.295	430.304
96	16.383	21.594	35.478	46.507	49.541	60.105	54.395	39.939	44.936	59.534
99	0.178	0.286	1.678	2.356	5.033	9.458	13.991	6.318	10.065	12.135
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles
Angles

	300	310	320	330	340	350	360
0	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180	2123.180
3	2124.001	2122.930	2121.717	2121.289	2118.969	2118.326	2117.398
6	2115.828	2112.366	2110.010	2107.726	2104.799	2100.873	2099.659
9	2103.086	2095.947	2089.237	2082.598	2080.100	2075.246	2075.103
12	2090.700	2079.600	2069.107	2057.543	2049.976	2045.836	2045.907
15	2074.496	2057.400	2039.340	2027.418	2018.638	2011.821	2011.964
18	2051.047	2026.633	2005.218	1992.940	1976.807	1973.737	1967.420
21	2021.636	1991.726	1971.203	1953.750	1931.157	1918.986	1907.707
24	1988.443	1954.321	1926.267	1896.571	1875.691	1855.240	1838.536
27	1954.250	1911.669	1879.225	1842.141	1808.126	1787.353	1767.009
30	1908.028	1851.778	1816.193	1781.286	1742.595	1713.221	1693.840
33	1850.493	1793.992	1749.377	1711.401	1670.747	1638.196	1617.744
36	1794.956	1744.630	1691.698	1641.765	1590.012	1559.638	1534.725
39	1735.743	1690.271	1627.774	1560.280	1513.416	1472.799	1442.925
42	1671.354	1614.675	1549.929	1479.866	1426.578	1379.286	1350.803
45	1606.145	1540.757	1464.340	1394.526	1335.170	1285.451	1265.535
48	1545.861	1473.905	1393.384	1315.968	1250.437	1193.472	1178.196
51	1480.116	1405.591	1329.531	1242.585	1159.850	1107.169	1080.221
54	1400.237	1339.203	1251.294	1148.786	1084.183	1014.334	979.641
57	1322.714	1268.105	1171.950	1063.125	990.527	923.390	885.592
60	1248.510	1191.652	1087.324	982.532	891.767	833.518	793.792
63	1185.085	1105.884	1010.443	908.578	813.245	739.540	698.744
66	1128.227	1023.971	949.838	834.446	723.015	639.817	603.125
69	1071.405	956.870	878.740	744.502	639.424	548.802	510.575
72	1004.590	903.331	809.497	671.939	564.256	464.925	420.346
75	926.139	849.722	733.473	606.873	489.660	382.798	331.544
78	859.930	781.157	668.906	545.982	417.669	304.418	246.632

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CANDELA TABULATION - (Cont.)

81	811.924	716.340	613.333	492.408	367.414	242.813	180.174
84	779.301	661.553	551.978	434.587	305.310	187.241	112.180
87	702.635	604.874	505.364	377.837	260.802	133.024	57.000
90	626.682	543.448	444.188	332.151	208.942	96.476	22.343
93	340.895	297.137	220.220	170.573	98.189	29.303	1.535
96	41.724	26.091	24.271	11.957	8.495	2.606	0.143
99	11.243	6.853	4.140	4.997	3.177	0.714	0.107
102	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	631.05	N.A.	8.70
0-30	1640.7	N.A.	22.60
0-40	2584.34	N.A.	35.70
0-60	4880.49	N.A.	67.30
0-80	6418.17	N.A.	88.60
0-90	7098.77	N.A.	98.00
10-90	6936.34	N.A.	95.70
20-40	1953.29	N.A.	27.00
20-50	2957.83	N.A.	40.80
40-70	3140.12	N.A.	43.30
60-80	1537.67	N.A.	21.20
70-80	693.70	N.A.	9.60
80-90	680.60	N.A.	9.40
90-110	148.51	N.A.	2.00
90-120	148.51	N.A.	2.00
90-130	148.51	N.A.	2.00
90-150	148.51	N.A.	2.00
90-180	148.51	N.A.	2.00
110-180	0.00	N.A.	0.00
0-180	7247.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	162.43
10-20	468.63
20-30	1009.64
30-40	943.64
40-50	1004.54
50-60	1291.61
60-70	843.97
70-80	693.70
80-90	680.60
90-100	147.93
100-110	0.58
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

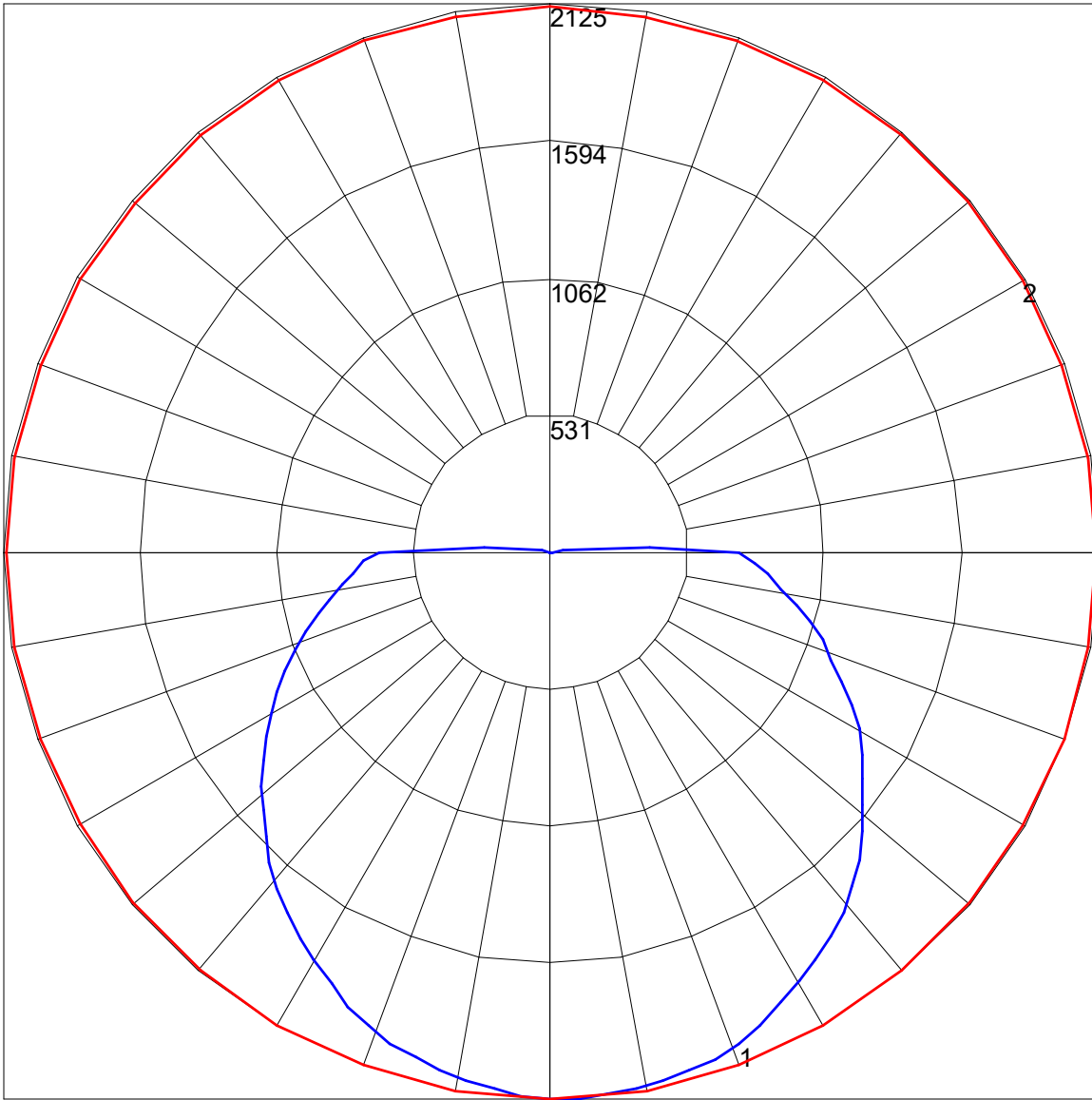
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	105	98	93	88	102	96	91	86	91	87	83	87	83	80	83	80	77	75
2	94	84	76	69	91	82	75	68	78	72	66	74	69	64	71	67	63	60
3	85	73	64	56	82	71	63	56	68	61	54	65	59	53	62	57	52	50
4	78	64	55	47	75	63	54	47	60	52	46	57	50	45	55	49	44	42
5	71	57	47	40	69	56	47	40	53	45	39	51	44	38	49	43	38	35
6	66	51	42	35	63	50	41	34	48	40	34	46	39	33	44	38	33	31
7	61	46	37	30	59	45	36	30	43	36	30	42	35	29	40	34	29	27
8	56	42	33	27	55	41	33	27	40	32	26	38	31	26	37	31	26	24
9	53	38	30	24	51	38	30	24	36	29	24	35	28	23	34	28	23	21
10	49	35	27	22	48	35	27	22	34	26	21	33	26	21	31	25	21	19

POLAR GRAPH



Maximum Candela = 2124.786 Located At Horizontal Angle = 280, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (280 - 100) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)