



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-840-DMA-50U-50D-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 12731921.04  
[TESTLAB] UL Verification Services Inc.  
[ISSUEDATE] 01-11-2024  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836  
[LUMINAIRE] 4' SUSPENDED LED LUMINAIRE  
[MORE] WITH FROSTED ACRYLIC LENS  
[LUMCAT] SDI5-4-L27-840-DMA-50U-50D-DIM-UNV  
[LAMPCAT] HLM 80 CRI, 4000K CCT  
[ \_SEARCH\_SOURCETYPE] LED  
[ \_SEARCH\_APPLICATION] Indoor, Architectural, Classroom, Direct-Indirect  
[ \_SEARCH\_MOUNTING] Suspended

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	78
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	Rectangular w/Sides
Luminous Length (0-180)	3.67 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.15 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14019	12984	13745
55	13858	11868	12272
65	12992	9741	9746
75	10641	6376	6119
85	4954	1829	1673

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1334.897	1334.897	1334.897	1334.897	1334.897
0.5	1333.844	1341.214	1331.739	1332.792	1333.844
1.0	1333.844	1341.214	1331.739	1332.792	1334.897
1.5	1334.897	1340.161	1331.739	1333.844	1335.950
2.0	1333.844	1341.214	1332.792	1334.897	1337.003
2.5	1333.844	1341.214	1332.792	1335.950	1338.055
3.0	1333.844	1341.214	1333.844	1337.003	1340.161
3.5	1333.844	1341.214	1334.897	1339.108	1342.266
4.0	1333.844	1341.214	1335.950	1341.214	1344.372
4.5	1333.844	1342.266	1337.003	1343.319	1347.530
5.0	1332.792	1342.266	1339.108	1346.477	1350.688
5.5	1333.844	1342.266	1340.161	1348.583	1353.847
6.0	1333.844	1342.266	1342.266	1351.741	1358.058
6.5	1333.844	1343.319	1344.372	1354.900	1362.269
7.0	1333.844	1344.372	1346.477	1358.058	1366.480
7.5	1332.792	1344.372	1348.583	1362.269	1369.638
8.0	1332.792	1345.425	1350.688	1366.480	1373.849
8.5	1331.739	1345.425	1353.847	1370.691	1379.113
9.0	1332.792	1346.477	1355.952	1374.902	1384.377
9.5	1332.792	1346.477	1359.111	1379.113	1388.588
10.0	1331.739	1346.477	1361.216	1383.324	1393.852
10.5	1330.686	1347.530	1363.322	1387.535	1399.115
11.0	1330.686	1348.583	1366.480	1392.799	1405.432
11.5	1330.686	1349.636	1368.585	1398.063	1410.696
12.0	1330.686	1349.636	1371.744	1403.326	1417.012
12.5	1330.686	1350.688	1374.902	1408.590	1422.276
13.0	1330.686	1351.741	1378.060	1413.854	1428.593
13.5	1329.633	1351.741	1381.218	1419.118	1434.909
14.0	1328.581	1352.794	1384.377	1424.382	1442.278
14.5	1327.528	1353.847	1387.535	1430.698	1448.595
15.0	1327.528	1353.847	1390.693	1435.962	1454.912
15.5	1326.475	1354.900	1394.904	1442.278	1462.281
16.0	1326.475	1355.952	1397.010	1448.595	1469.650
16.5	1325.422	1355.952	1400.168	1453.859	1475.967
17.0	1325.422	1355.952	1404.379	1460.175	1483.336
17.5	1324.370	1357.005	1407.537	1466.492	1490.705
18.0	1322.264	1358.058	1410.696	1471.756	1497.022
18.5	1322.264	1358.058	1413.854	1478.072	1504.391
19.0	1320.159	1358.058	1417.012	1483.336	1510.708
19.5	1319.106	1358.058	1420.171	1489.653	1518.077
20.0	1318.053	1358.058	1423.329	1494.916	1524.394
20.5	1315.947	1358.058	1426.487	1500.180	1530.710
21.0	1315.947	1359.111	1429.645	1505.444	1538.079
21.5	1314.895	1358.058	1432.804	1511.760	1544.396
22.0	1312.789	1358.058	1435.962	1517.024	1550.713
22.5	1311.736	1358.058	1438.067	1522.288	1557.029
23.0	1309.631	1358.058	1441.226	1528.605	1562.293
23.5	1307.525	1357.005	1443.331	1532.816	1567.557
24.0	1306.473	1355.952	1445.437	1538.079	1573.873
24.5	1304.367	1355.952	1447.542	1543.343	1579.137
25.0	1302.262	1355.952	1449.648	1547.554	1585.454
25.5	1300.156	1354.900	1451.753	1552.818	1590.717
26.0	1298.051	1353.847	1453.859	1557.029	1595.981
26.5	1295.945	1352.794	1454.912	1561.240	1600.192

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDI5-4-L27-840-DMA-50U-50D-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	1292.787	1351.741	1455.964	1564.398	1604.403
27.5	1290.681	1350.688	1458.070	1567.557	1608.614
28.0	1287.523	1348.583	1459.123	1571.768	1612.825
28.5	1285.417	1346.477	1460.175	1573.873	1617.036
29.0	1282.259	1345.425	1460.175	1577.031	1622.300
29.5	1278.048	1343.319	1461.228	1579.137	1624.406
30.0	1274.890	1341.214	1461.228	1581.242	1626.511
30.5	1271.732	1338.055	1461.228	1583.348	1628.617
31.0	1268.573	1335.950	1461.228	1584.401	1630.722
31.5	1264.362	1333.844	1460.175	1585.454	1633.880
32.0	1259.099	1330.686	1459.123	1586.506	1634.933
32.5	1254.888	1327.528	1458.070	1586.506	1635.986
33.0	1251.729	1324.370	1457.017	1587.559	1635.986
33.5	1247.518	1320.159	1454.912	1586.506	1637.039
34.0	1243.307	1315.947	1452.806	1586.506	1635.986
34.5	1236.991	1312.789	1450.700	1584.401	1634.933
35.0	1232.780	1308.578	1448.595	1583.348	1633.880
35.5	1227.516	1304.367	1446.489	1580.190	1631.775
36.0	1222.252	1300.156	1443.331	1579.137	1629.669
36.5	1216.988	1294.892	1439.120	1575.979	1626.511
37.0	1211.724	1290.681	1435.962	1571.768	1622.300
37.5	1206.461	1285.417	1431.751	1567.557	1619.142
38.0	1200.144	1280.154	1426.487	1563.346	1613.878
38.5	1194.880	1273.837	1422.276	1559.135	1609.667
39.0	1188.564	1268.573	1417.012	1554.924	1604.403
39.5	1180.142	1262.257	1411.748	1548.607	1599.139
40.0	1173.825	1256.993	1405.432	1543.343	1594.928
40.5	1167.509	1250.676	1399.115	1537.027	1589.665
41.0	1161.192	1243.307	1392.799	1530.710	1583.348
41.5	1154.876	1236.991	1385.429	1524.394	1577.031
42.0	1147.506	1229.621	1379.113	1518.077	1569.662
42.5	1140.137	1222.252	1371.744	1510.708	1562.293
43.0	1131.715	1213.830	1363.322	1503.338	1553.871
43.5	1123.293	1206.461	1355.952	1494.916	1546.501
44.0	1115.923	1198.039	1348.583	1487.547	1538.079
44.5	1107.501	1189.617	1340.161	1478.072	1529.657
45.0	1100.132	1181.194	1330.686	1469.650	1521.235
45.5	1091.710	1172.772	1322.264	1460.175	1510.708
46.0	1083.288	1163.298	1313.842	1449.648	1500.180
46.5	1074.866	1154.876	1304.367	1440.173	1489.653
47.0	1065.391	1145.401	1293.840	1429.645	1478.072
47.5	1055.916	1134.873	1284.365	1417.012	1466.492
48.0	1046.652	1125.398	1273.837	1406.485	1454.912
48.5	1037.072	1115.923	1263.310	1394.904	1443.331
49.0	1026.965	1106.449	1251.729	1382.271	1429.645
49.5	1016.754	1095.921	1241.202	1369.638	1417.012
50.0	1006.752	1085.393	1229.621	1357.005	1403.326
50.5	996.541	1074.866	1218.041	1343.319	1389.641
51.0	986.118	1064.338	1205.408	1329.633	1374.902
51.5	976.222	1052.758	1192.775	1315.947	1361.216
52.0	965.484	1041.599	1180.142	1301.209	1345.425
52.5	954.325	1029.913	1166.456	1287.523	1330.686
53.0	942.955	1018.543	1153.823	1272.784	1315.947
53.5	932.007	1006.437	1140.137	1256.993	1300.156
54.0	920.742	994.751	1126.451	1242.254	1283.312
54.5	908.741	982.644	1112.765	1226.463	1267.521

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55.0	896.634	970.011	1098.027	1210.672	1251.729
55.5	884.843	957.273	1084.341	1194.880	1234.885
56.0	873.579	944.640	1069.602	1178.036	1216.988
56.5	861.051	931.270	1054.863	1161.192	1200.144
57.0	849.049	917.689	1039.072	1144.348	1182.247
57.5	836.521	904.319	1023.702	1127.504	1164.350
58.0	823.362	890.633	1007.911	1110.660	1146.453
58.5	811.887	876.737	992.119	1092.763	1128.557
59.0	800.307	862.525	976.433	1075.919	1110.660
59.5	788.832	848.733	960.536	1058.022	1091.710
60.0	775.883	835.574	944.429	1039.809	1072.760
60.5	762.618	821.783	928.111	1021.070	1053.811
61.0	749.143	807.465	911.478	1002.647	1035.387
61.5	735.457	792.832	894.739	984.223	1016.122
62.0	721.455	779.357	878.737	965.695	997.067
62.5	707.664	764.618	862.525	946.745	977.275
63.0	693.557	750.616	846.207	927.901	957.168
63.5	679.345	735.667	829.047	909.057	937.586
64.0	664.922	720.402	811.782	889.686	918.110
64.5	650.499	704.716	794.306	872.105	898.108
65.0	636.076	689.135	776.725	852.734	879.369
65.5	621.443	673.555	759.565	833.153	859.577
66.0	606.915	657.974	742.721	813.677	839.574
66.5	592.176	642.182	725.455	794.201	819.151
67.0	577.648	626.286	707.559	774.409	799.043
67.5	563.120	610.389	689.451	754.301	778.515
68.0	548.382	594.282	671.028	734.088	757.354
68.5	533.327	578.175	652.921	715.981	736.299
69.0	518.378	562.383	634.602	695.768	717.244
69.5	503.534	546.276	616.390	675.239	696.715
70.0	488.690	530.064	597.967	654.710	675.449
70.5	473.636	513.641	579.438	634.181	653.973
71.0	458.476	497.218	560.594	613.653	632.708
71.5	443.316	480.900	541.749	593.124	611.547
72.0	428.367	464.687	523.115	572.595	590.176
72.5	413.313	448.370	504.482	551.961	569.016
73.0	398.048	432.157	485.848	531.432	547.961
73.5	382.783	415.734	467.109	510.903	526.695
74.0	367.623	399.416	448.475	490.375	505.324
74.5	352.674	383.099	429.946	470.056	484.163
75.0	337.619	366.781	411.418	449.633	463.319
75.5	322.670	350.568	393.100	429.631	442.895
76.0	307.616	334.356	374.887	409.733	422.367
76.5	292.667	318.249	356.780	389.836	401.838
77.0	277.823	302.247	338.883	370.150	381.519
77.5	262.979	286.350	321.091	350.568	361.517
78.0	248.240	270.664	303.405	331.303	341.620
78.5	233.818	255.083	286.034	312.248	322.039
79.0	219.500	239.713	268.769	293.298	302.668
79.5	205.393	224.553	251.714	274.665	283.402
80.0	191.497	209.394	234.870	256.347	264.453
80.5	177.600	194.655	218.342	238.239	245.924
81.0	164.020	180.022	202.130	220.553	227.712
81.5	150.650	165.809	186.022	203.182	209.920
82.0	137.701	151.808	170.547	186.338	192.339
82.5	125.068	138.122	155.387	169.810	175.284

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83.0	112.645	124.962	140.543	153.703	158.651
83.5	100.538	112.119	126.226	138.122	142.649
84.0	88.958	99.696	112.329	123.278	127.278
84.5	77.694	87.695	99.170	108.960	112.540
85.0	67.061	76.325	86.642	95.485	98.538
85.5	56.744	65.482	74.851	82.747	85.379
86.0	46.953	55.270	63.797	71.061	73.167
86.5	37.794	45.690	53.585	60.218	61.797
87.0	29.372	37.057	44.111	50.217	51.375
87.5	21.792	29.267	35.794	40.636	41.163
88.0	15.370	22.529	27.793	31.056	31.056
88.5	10.212	16.528	20.424	23.898	24.108
89.0	6.317	11.686	15.370	19.581	19.476
89.5	3.895	8.633	12.949	16.844	16.528
90.0	2.632	8.212	12.212	16.212	15.370
90.5	5.369	9.475	8.738	7.369	6.843
91.0	9.159	17.686	15.476	13.581	13.054
91.5	14.423	28.846	25.898	22.108	21.160
92.0	20.424	40.952	40.321	32.951	30.846
92.5	26.108	51.585	57.796	48.427	45.163
93.0	32.951	60.849	76.746	68.640	64.639
93.5	42.426	70.851	96.327	91.485	86.853
94.0	53.585	82.010	114.961	115.066	110.224
94.5	65.166	94.117	132.542	138.438	135.069
95.0	76.851	106.750	150.123	162.019	161.072
95.5	88.537	120.120	168.757	186.233	187.601
96.0	100.644	134.016	188.444	210.973	214.552
96.5	112.750	148.544	209.078	236.344	242.345
97.0	124.857	163.493	230.659	263.189	270.559
97.5	136.964	178.864	252.662	289.719	299.510
98.0	149.071	194.550	275.401	317.196	329.197
98.5	161.388	210.446	298.036	345.515	359.412
99.0	173.810	226.554	321.302	374.255	390.363
99.5	186.338	242.871	344.884	403.627	421.630
100.0	198.971	259.294	369.729	435.105	453.107
100.5	211.499	276.033	392.784	467.846	485.006
101.0	224.343	292.772	417.419	498.376	517.325
101.5	237.186	309.827	443.527	526.800	549.750
102.0	249.925	326.566	466.793	555.119	582.596
102.5	262.874	343.199	490.480	585.755	615.548
103.0	276.033	360.780	516.799	617.864	648.709
103.5	289.087	377.624	543.644	650.920	681.977
104.0	302.352	393.942	567.121	682.608	715.138
104.5	315.406	411.102	589.439	713.244	747.774
105.0	328.566	428.999	613.442	742.931	779.988
105.5	341.515	445.632	639.445	771.566	811.466
106.0	354.569	461.529	665.869	798.938	841.996
106.5	367.623	477.952	690.609	826.626	874.316
107.0	380.467	495.007	712.822	855.576	906.425
107.5	393.416	512.798	734.299	885.475	938.007
108.0	406.259	529.221	756.091	914.110	969.274
108.5	418.892	544.486	777.462	942.534	1000.225
109.0	431.420	559.541	798.727	971.801	1030.966
109.5	443.843	574.911	820.625	1001.173	1061.180
110.0	456.265	590.913	842.838	1030.545	1090.657
110.5	468.372	607.336	864.946	1059.075	1120.134

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111.0	480.373	623.443	885.475	1086.446	1149.612
111.5	492.059	638.814	904.635	1113.818	1176.983
112.0	503.639	652.921	923.374	1141.190	1205.408
112.5	515.220	665.975	941.797	1166.456	1232.780
113.0	526.800	679.134	960.010	1191.722	1259.099
113.5	538.170	692.399	978.644	1214.883	1285.417
114.0	549.224	706.085	997.278	1239.096	1310.684
114.5	560.172	719.665	1015.911	1262.257	1335.950
115.0	570.911	733.351	1034.229	1283.312	1360.163
115.5	581.438	746.827	1051.810	1304.367	1383.324
116.0	591.650	759.565	1069.602	1325.422	1406.485
116.5	601.756	771.777	1086.446	1344.372	1429.645
117.0	611.968	782.410	1102.238	1363.322	1451.753
117.5	622.180	792.832	1116.976	1382.271	1472.808
118.0	631.865	803.149	1130.662	1400.168	1493.864
118.5	641.551	811.992	1143.295	1417.012	1513.866
119.0	650.710	821.572	1155.928	1433.856	1532.816
119.5	659.448	830.731	1167.509	1449.648	1549.660
120.0	667.975	840.311	1179.089	1465.439	1567.557
120.5	676.292	850.207	1189.617	1479.125	1583.348
121.0	684.503	859.787	1201.197	1492.811	1599.139
121.5	692.609	869.262	1211.724	1506.497	1613.878
122.0	700.610	878.421	1222.252	1519.130	1628.617
122.5	708.401	887.159	1231.727	1531.763	1641.250
123.0	715.665	895.686	1241.202	1542.290	1654.936
123.5	722.824	903.372	1250.676	1552.818	1665.463
124.0	729.667	910.846	1259.099	1563.346	1677.043
124.5	736.720	917.268	1267.521	1571.768	1686.518
125.0	743.879	923.479	1274.890	1580.190	1695.993
125.5	750.090	929.059	1282.259	1588.612	1704.415
126.0	756.196	934.428	1289.629	1594.928	1711.784
126.5	761.881	939.902	1295.945	1601.245	1718.101
127.0	767.461	944.956	1301.209	1606.509	1725.470
127.5	772.830	950.009	1306.473	1610.720	1729.681
128.0	777.988	954.430	1311.736	1615.983	1732.840
128.5	782.726	958.536	1314.895	1619.142	1737.051
129.0	787.568	962.431	1318.053	1622.300	1740.209
129.5	791.990	966.011	1320.159	1625.458	1742.314
130.0	796.201	969.695	1323.317	1626.511	1745.473
130.5	800.201	973.064	1324.370	1628.617	1747.578
131.0	803.991	976.117	1325.422	1629.669	1748.631
131.5	807.571	979.381	1326.475	1630.722	1748.631
132.0	810.834	981.381	1326.475	1630.722	1748.631
132.5	814.098	983.802	1326.475	1629.669	1746.525
133.0	817.045	985.908	1326.475	1628.617	1744.420
133.5	819.572	987.698	1325.422	1626.511	1743.367
134.0	822.204	989.066	1325.422	1624.406	1741.262
134.5	824.625	990.645	1324.370	1621.247	1738.103
135.0	827.047	991.593	1323.317	1618.089	1734.945
135.5	829.363	992.119	1321.211	1613.878	1731.787
136.0	831.047	992.435	1319.106	1609.667	1727.576
136.5	832.416	991.803	1315.947	1605.456	1721.259
137.0	833.679	991.382	1312.789	1600.192	1715.996
137.5	834.942	990.540	1309.631	1594.928	1708.626
138.0	835.890	989.592	1306.473	1588.612	1702.310
138.5	836.732	988.645	1302.262	1582.295	1695.993

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

139.0	837.469	986.961	1299.103	1575.979	1688.624
139.5	837.890	985.066	1294.892	1568.609	1681.254
140.0	838.206	983.592	1289.629	1562.293	1672.832
140.5	838.206	982.118	1284.365	1553.871	1663.358
141.0	837.995	980.118	1280.154	1546.501	1654.936
141.5	837.574	977.907	1274.890	1538.079	1644.408
142.0	837.048	975.907	1269.626	1530.710	1633.880
142.5	836.627	973.064	1264.362	1522.288	1623.353
143.0	836.100	970.643	1258.046	1513.866	1611.772
143.5	835.153	967.590	1251.729	1503.338	1601.245
144.0	833.995	964.010	1245.413	1493.864	1590.717
144.5	832.837	961.063	1238.043	1484.389	1579.137
145.0	831.679	957.799	1230.674	1473.861	1567.557
145.5	830.521	954.851	1224.358	1464.386	1555.976
146.0	829.047	950.746	1216.988	1452.806	1543.343
146.5	827.257	947.166	1208.566	1441.226	1530.710
147.0	825.362	943.587	1201.197	1430.698	1518.077
147.5	823.257	939.586	1192.775	1419.118	1505.444
148.0	821.256	934.744	1184.353	1407.537	1491.758
148.5	819.256	930.322	1175.931	1394.904	1479.125
149.0	817.256	926.427	1167.509	1382.271	1465.439
149.5	815.045	921.900	1158.034	1369.638	1451.753
150.0	812.308	917.163	1149.612	1357.005	1438.067
150.5	809.676	912.741	1140.137	1344.372	1423.329
151.0	806.728	908.004	1130.662	1331.739	1408.590
151.5	803.886	903.687	1121.187	1318.053	1393.852
152.0	801.149	899.055	1111.712	1304.367	1380.166
152.5	798.412	894.002	1101.185	1290.681	1365.427
153.0	795.674	888.633	1091.710	1276.995	1350.688
153.5	793.148	883.580	1081.182	1262.257	1334.897
154.0	790.200	878.421	1070.655	1247.518	1318.053
154.5	787.147	872.947	1060.127	1232.780	1302.262
155.0	784.094	867.367	1049.389	1218.041	1285.417
155.5	780.831	861.682	1038.651	1203.302	1269.626
156.0	777.567	855.576	1028.018	1188.564	1252.782
156.5	773.988	850.207	1017.596	1172.772	1236.991
157.0	770.724	844.207	1006.858	1158.034	1221.199
157.5	767.461	838.311	995.698	1143.295	1205.408
158.0	764.513	832.416	984.434	1127.504	1187.511
158.5	761.355	826.310	973.485	1111.712	1170.667
159.0	758.407	820.730	962.537	1095.921	1153.823
159.5	755.354	815.572	951.377	1081.182	1136.979
160.0	752.196	810.097	940.113	1065.391	1119.082
160.5	748.932	804.939	928.954	1050.231	1101.185
161.0	745.774	799.359	917.689	1034.756	1085.393
161.5	742.616	795.464	906.740	1019.491	1067.497
162.0	739.668	790.095	895.897	1004.331	1049.600
162.5	736.615	784.515	885.159	989.171	1032.440
163.0	733.772	779.146	874.316	974.328	1015.490
163.5	730.930	773.882	863.893	959.063	998.646
164.0	727.982	768.408	853.576	944.113	981.907
164.5	725.140	763.250	843.680	929.480	965.379
165.0	722.087	758.091	834.100	915.584	949.061
165.5	719.455	753.143	824.415	901.371	932.533
166.0	717.244	748.406	815.782	887.159	916.321
166.5	714.612	743.774	807.465	874.000	900.740

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

167.0	711.875	739.352	798.938	860.840	885.791
167.5	709.454	735.141	791.779	847.891	871.473
168.0	707.243	731.035	783.357	835.469	856.840
168.5	705.243	727.140	775.251	823.467	843.786
169.0	703.242	723.350	767.671	813.361	830.626
169.5	701.242	719.665	760.197	802.307	817.467
170.0	699.031	716.086	752.933	792.832	806.623
170.5	697.136	712.612	745.879	782.620	797.254
171.0	695.452	709.348	739.247	772.724	785.884
171.5	693.768	706.401	732.930	763.355	775.567
172.0	692.294	703.558	727.035	754.406	765.460
172.5	690.714	700.821	721.244	745.879	755.670
173.0	689.346	698.084	715.665	737.668	746.511
173.5	688.083	695.452	710.401	729.772	737.668
174.0	686.714	693.241	705.348	722.403	729.140
174.5	685.451	691.241	700.821	715.454	721.034
175.0	684.503	689.346	696.610	709.243	713.770
175.5	683.661	687.451	692.820	703.558	707.032
176.0	682.819	685.767	689.346	698.400	701.137
176.5	682.187	684.187	686.503	693.873	695.873
177.0	681.556	682.819	683.872	690.083	691.451
177.5	681.134	681.661	681.556	686.819	687.662
178.0	680.608	680.713	679.871	683.977	684.398
178.5	680.082	679.976	678.397	681.661	681.766
179.0	679.661	679.555	677.239	679.976	679.661
179.5	679.134	679.239	676.397	679.029	678.397
180.0	678.081	678.081	678.081	678.081	678.081



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

Zone	Lumens	%Lamp	%Fixt
0-20	524.81	N.A.	4.90
0-30	1194.94	N.A.	11.00
0-40	2097.6	N.A.	19.40
0-60	4086.82	N.A.	37.80
0-80	5276.9	N.A.	48.80
0-90	5382.3	N.A.	49.80
10-90	5253.47	N.A.	48.60
20-40	1572.79	N.A.	14.50
20-50	2591.56	N.A.	24.00
40-70	2748.46	N.A.	25.40
60-80	1190.08	N.A.	11.00
70-80	430.83	N.A.	4.00
80-90	105.41	N.A.	1.00
90-110	773.40	N.A.	7.20
90-120	1760.04	N.A.	16.30
90-130	2871.98	N.A.	26.60
90-150	4640.02	N.A.	42.90
90-180	5433.93	N.A.	50.20
110-180	4660.53	N.A.	43.10
0-180	10816.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	128.83
10-20	395.97
20-30	670.13
30-40	902.66
40-50	1018.77
50-60	970.45
60-70	759.25
70-80	430.83
80-90	105.41
90-100	159.35
100-110	614.05
110-120	986.65
120-130	1111.94
130-140	1004.82
140-150	763.22
150-160	484.67
160-170	240.76
170-180	68.47

**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	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	72	70	67	60	58	57	49	47	46	41
2	88	80	74	69	81	74	69	64	63	59	55	52	49	46	42	40	38	34
3	80	70	63	56	73	65	58	53	55	50	46	46	42	39	37	34	32	28
4	73	62	53	47	67	57	50	44	48	43	38	40	36	33	33	29	27	23
5	67	55	46	40	61	51	43	38	43	37	33	36	31	28	29	26	23	20
6	61	49	40	34	56	45	38	32	38	32	28	32	27	24	26	23	20	17
7	56	44	36	30	52	41	33	28	35	29	24	29	24	21	24	20	17	15
8	52	40	32	26	48	37	30	25	31	26	21	26	22	18	22	18	15	13
9	49	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	21	42	31	24	19	26	21	17	22	18	15	18	15	12	10

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SDI5-4-L27-840-DMA-50U-50D-DIM-UNV\_.IES

## UGR TABLE - CORRECTED

### Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

### Room Size UGR Viewed Crosswise

X=2H	Y=2H	16.0	16.9	17.0	17.9	19.2	UGR Viewed Endwise			
	3H	17.5	18.3	18.4	19.2	20.5	18.7	19.6	19.6	20.5
	4H	17.9	18.7	18.9	19.6	20.9	20.5	21.3	21.5	22.3
	6H	18.1	18.8	19.1	19.8	21.1	21.1	21.9	22.1	22.9
	8H	18.1	18.8	19.1	19.8	21.1	21.5	22.2	22.5	23.2
	12H	18.1	18.7	19.1	19.7	21.1	21.6	22.3	22.6	23.3

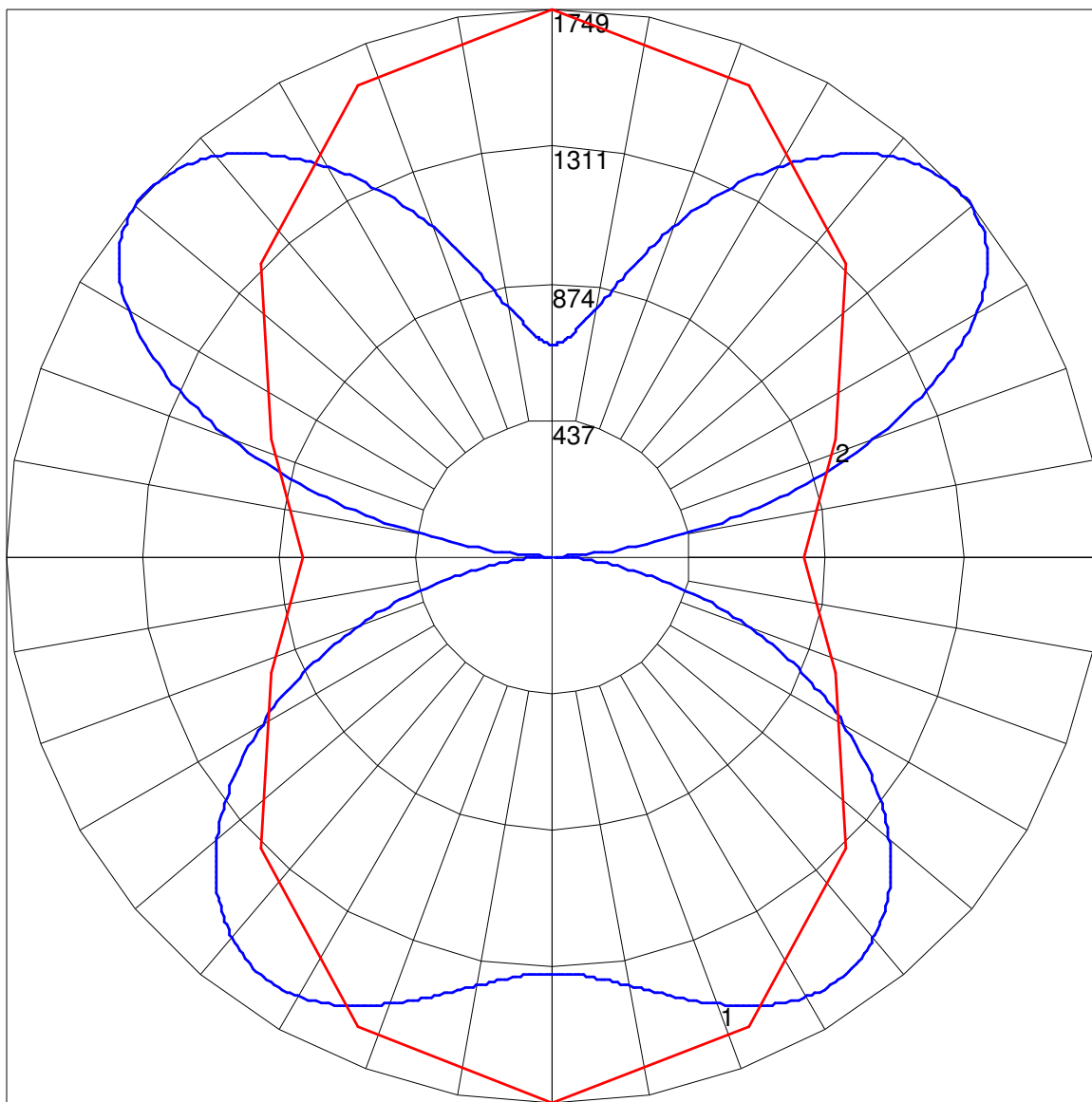
4H	2H	16.8	17.6	17.8	18.6	19.9	18.9	19.7	19.9	20.7
	3H	18.4	19.1	19.4	20.1	21.4	20.9	21.6	21.9	22.6
	4H	18.9	19.5	19.9	20.5	21.8	21.6	22.2	22.6	23.2
	6H	19.2	19.7	20.2	20.7	22.1	22.2	22.7	23.2	23.7
	8H	19.3	19.7	20.3	20.7	22.1	22.3	22.7	23.3	23.8
	12H	19.2	19.7	20.3	20.7	22.1	22.3	22.8	23.4	23.8

8H	4H	19.2	19.7	20.2	20.7	22.1	21.7	22.2	22.7	23.2
	6H	19.6	20.0	20.6	21.1	22.4	22.3	22.7	23.3	23.7
	8H	19.7	20.0	20.7	21.1	22.4	22.4	22.8	23.5	23.8
	12H	19.7	20.0	20.7	21.0	22.4	22.5	22.8	23.6	23.9

12H	4H	19.2	19.7	20.3	20.7	22.1	21.7	22.1	22.7	23.1
	6H	19.6	20.0	20.7	21.0	22.4	22.2	22.6	23.3	23.6
	8H	19.7	20.0	20.8	21.1	22.5	22.4	22.7	23.5	23.8

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 1748.631 Located At Horizontal Angle = 90, Vertical Angle = 131  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (131) (Through Max. Cd.)