



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 11476049.13  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 10/12/2016  
 [MANUFAC] Prudential Lighting Corp  
 [LUMCAT] Bio2-LIN-LED35-HO-HO-SAL-D1-CW  
 [LUMINAIRE] Rectangular formed grey aluminum up/down housing with sing  
 [MORE] le down sided internal aluminum reflectors and a single down sided fro  
 [MORE] sted plastic lens  
 [LAMP] 120 white LEDs Up & 120 white LEDs Down with four (4) rectangul  
 [MORE] ar optics  
 [BALLAST] One (1) OSRAM Optotronic OT50W/PRG1400C/UNV/DIM/L  
 [OTHER] 25.9 C, 120.083 V, 0.4703 A, 56.2789 W, 0.9964 PF, 59.99 Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8653
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	96
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)	0.23 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.40 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4650	6340	15348
55	3094	4380	13005
65	1953	2820	10514
75	1034	1507	7510
85	311	449	3574

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>
<b>0.0</b>	1889.680	1889.680	1889.680	1889.680	1889.680
<b>0.5</b>	1905.480	1883.360	1884.940	1888.100	1877.040
<b>1.0</b>	1905.480	1886.520	1884.940	1883.360	1873.880
<b>1.5</b>	1905.480	1883.360	1883.360	1886.520	1873.880
<b>2.0</b>	1905.480	1883.360	1883.360	1884.940	1872.300
<b>2.5</b>	1900.740	1881.780	1878.620	1881.780	1870.720
<b>3.0</b>	1897.580	1878.620	1877.040	1881.780	1873.880
<b>3.5</b>	1894.420	1875.460	1877.040	1877.040	1870.720
<b>4.0</b>	1894.420	1873.880	1873.880	1873.880	1869.140
<b>4.5</b>	1889.680	1869.140	1870.720	1872.300	1869.140
<b>5.0</b>	1883.360	1865.980	1867.560	1875.460	1870.720
<b>5.5</b>	1883.360	1859.660	1864.400	1873.880	1864.400
<b>6.0</b>	1875.460	1853.340	1859.660	1870.720	1862.820
<b>6.5</b>	1869.140	1851.760	1858.080	1865.980	1853.340
<b>7.0</b>	1864.400	1843.860	1854.920	1858.080	1847.020
<b>7.5</b>	1856.500	1840.700	1850.180	1856.500	1845.440
<b>8.0</b>	1851.760	1834.380	1847.020	1848.600	1837.540
<b>8.5</b>	1845.440	1824.900	1839.120	1843.860	1839.120
<b>9.0</b>	1837.540	1817.000	1831.220	1837.540	1834.380
<b>9.5</b>	1829.640	1809.100	1824.900	1832.800	1829.640
<b>10.0</b>	1818.580	1802.780	1815.420	1828.060	1826.480
<b>10.5</b>	1809.100	1794.880	1804.360	1821.740	1817.000
<b>11.0</b>	1802.780	1785.400	1799.620	1817.000	1812.260
<b>11.5</b>	1788.560	1774.340	1791.720	1809.100	1804.360
<b>12.0</b>	1779.080	1766.440	1783.820	1802.780	1802.780
<b>12.5</b>	1768.020	1755.380	1772.760	1794.880	1794.880
<b>13.0</b>	1752.220	1745.900	1764.860	1786.980	1793.300
<b>13.5</b>	1742.740	1739.580	1756.960	1783.820	1788.560
<b>14.0</b>	1731.680	1725.360	1749.060	1777.500	1782.240
<b>14.5</b>	1722.200	1719.040	1734.840	1771.180	1771.180
<b>15.0</b>	1706.400	1706.400	1726.940	1764.860	1761.700
<b>15.5</b>	1696.920	1695.340	1719.040	1752.220	1753.800
<b>16.0</b>	1677.960	1682.700	1706.400	1744.320	1742.740
<b>16.5</b>	1670.060	1671.640	1695.340	1731.680	1736.420
<b>17.0</b>	1655.840	1657.420	1685.860	1723.780	1728.520
<b>17.5</b>	1641.620	1646.360	1676.380	1712.720	1722.200
<b>18.0</b>	1625.820	1630.560	1663.740	1704.820	1711.140
<b>18.5</b>	1616.340	1616.340	1654.260	1693.760	1701.660
<b>19.0</b>	1600.540	1603.700	1646.360	1684.280	1692.180
<b>19.5</b>	1584.740	1589.480	1636.880	1676.380	1681.120
<b>20.0</b>	1569.414	1574.628	1624.240	1665.320	1676.380
<b>20.5</b>	1553.772	1559.618	1611.600	1654.260	1668.480
<b>21.0</b>	1537.498	1544.608	1597.380	1644.780	1660.580
<b>21.5</b>	1521.540	1529.914	1581.580	1635.300	1655.840
<b>22.0</b>	1508.268	1514.588	1566.728	1625.820	1644.780
<b>22.5</b>	1491.046	1499.104	1552.666	1616.340	1628.980
<b>23.0</b>	1474.772	1484.094	1539.236	1610.020	1616.340
<b>23.5</b>	1457.550	1469.084	1525.648	1598.960	1606.860
<b>24.0</b>	1439.854	1452.810	1511.586	1584.740	1595.800
<b>24.5</b>	1422.158	1436.536	1497.524	1568.624	1584.740
<b>25.0</b>	1404.936	1420.262	1482.830	1554.088	1575.576
<b>25.5</b>	1386.608	1404.146	1467.662	1541.290	1564.832
<b>26.0</b>	1368.754	1388.030	1452.652	1528.966	1550.454
<b>26.5</b>	1352.006	1371.282	1437.642	1516.642	1537.498

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

27.0	1334.626	1355.166	1422.948	1505.266	1525.332
27.5	1317.246	1338.418	1407.938	1491.836	1514.114
28.0	1300.340	1321.828	1393.718	1477.458	1505.582
28.5	1282.960	1305.554	1379.972	1463.238	1494.206
29.0	1265.580	1289.122	1367.490	1449.334	1480.144
29.5	1249.148	1272.216	1353.744	1436.852	1463.396
30.0	1232.084	1255.626	1339.208	1426.266	1447.438
30.5	1215.178	1239.194	1323.092	1414.416	1433.850
31.0	1198.272	1222.604	1305.080	1400.512	1420.262
31.5	1181.366	1206.330	1287.226	1383.606	1407.622
32.0	1164.302	1189.266	1270.794	1365.910	1396.246
32.5	1148.502	1173.308	1255.626	1350.584	1382.500
33.0	1131.754	1157.192	1239.984	1336.364	1366.542
33.5	1115.322	1140.760	1224.342	1322.302	1352.638
34.0	1097.784	1124.328	1208.700	1309.030	1342.052
34.5	1081.826	1107.896	1193.058	1295.126	1330.202
35.0	1065.394	1092.254	1177.890	1279.958	1314.718
35.5	1048.962	1076.612	1162.248	1264.158	1297.812
36.0	1032.530	1060.338	1146.606	1250.412	1280.906
36.5	1015.782	1044.696	1130.648	1238.878	1265.422
37.0	999.350	1029.370	1115.638	1224.974	1249.938
37.5	984.024	1013.096	1099.996	1208.384	1235.876
38.0	968.698	997.770	1085.144	1190.846	1224.026
38.5	953.530	982.444	1069.344	1173.624	1211.070
39.0	937.572	967.908	1053.702	1158.456	1195.112
39.5	921.614	952.582	1038.376	1144.236	1181.682
40.0	905.656	937.730	1023.366	1130.490	1168.094
40.5	890.804	922.088	1007.882	1116.270	1151.978
41.0	875.004	907.710	992.398	1101.892	1133.018
41.5	861.100	892.858	977.704	1086.566	1117.060
42.0	846.406	877.848	963.010	1074.716	1101.260
42.5	832.028	864.734	948.000	1059.706	1086.882
43.0	818.756	849.566	933.622	1042.484	1071.872
43.5	804.378	835.188	918.612	1024.630	1060.654
44.0	790.474	821.284	904.234	1007.882	1048.330
44.5	777.202	807.064	889.856	993.346	1033.162
45.0	764.404	793.792	875.478	978.652	1015.940
45.5	751.922	779.572	861.100	965.064	996.348
46.0	737.386	766.300	846.406	952.582	981.338
46.5	726.168	752.554	832.976	940.732	965.222
47.0	712.896	739.282	818.282	924.458	951.318
47.5	699.308	726.800	804.852	906.920	936.940
48.0	687.774	713.528	791.264	890.330	929.356
48.5	675.450	700.256	777.834	874.688	915.452
49.0	664.390	687.932	763.772	860.468	895.702
49.5	651.118	675.134	750.184	846.880	877.374
50.0	640.058	661.388	737.860	831.870	863.154
50.5	627.418	650.486	724.114	817.650	849.408
51.0	617.148	639.110	709.894	802.798	834.082
51.5	605.298	627.102	696.780	789.210	825.076
52.0	592.500	613.988	683.982	775.306	813.068
52.5	581.756	603.244	671.974	760.454	794.266
53.0	569.590	591.868	659.492	746.550	778.150
53.5	557.740	580.334	645.904	732.962	763.614
54.0	545.732	567.536	633.738	719.216	749.710
54.5	536.410	556.634	620.940	705.312	738.808

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

55.0	524.560	544.784	609.090	691.408	725.220
55.5	515.080	533.882	596.766	677.188	709.578
56.0	502.914	523.296	584.126	664.548	693.146
56.5	493.276	513.500	571.644	651.276	679.716
57.0	482.058	501.176	560.584	637.214	668.498
57.5	473.210	490.906	548.418	623.942	654.436
58.0	463.098	480.636	536.094	611.144	638.478
58.5	453.302	470.208	525.034	598.662	626.944
59.0	442.716	460.254	513.026	585.232	612.408
59.5	433.868	449.668	502.598	571.960	601.348
60.0	423.598	439.872	490.590	559.320	584.758
60.5	412.696	428.812	479.214	546.048	571.960
61.0	403.058	419.174	468.470	532.776	559.320
61.5	394.684	409.852	458.042	522.032	548.260
62.0	385.836	400.056	446.824	508.760	532.618
62.5	376.672	389.312	435.764	497.226	519.820
63.0	367.508	379.674	425.178	483.164	509.550
63.5	357.870	370.194	414.118	471.788	496.120
64.0	349.180	361.820	402.426	459.464	480.478
64.5	340.016	351.392	392.630	447.614	470.840
65.0	331.010	343.334	382.992	435.132	458.832
65.5	324.374	333.380	372.248	423.756	445.402
66.0	315.368	324.848	362.136	412.538	433.078
66.5	306.520	316.158	352.024	400.056	420.596
67.0	297.830	307.942	342.702	388.048	410.168
67.5	290.246	298.462	331.958	376.672	397.212
68.0	281.714	289.140	321.056	365.138	385.204
68.5	272.866	280.608	311.892	354.078	374.460
69.0	264.492	273.498	303.360	343.334	360.398
69.5	256.592	263.386	291.826	331.642	350.128
70.0	247.586	255.644	283.452	319.950	337.014
70.5	240.002	246.638	273.498	309.522	325.638
71.0	231.470	238.422	264.808	299.410	315.210
71.5	224.676	230.838	255.328	288.508	304.624
72.0	216.460	222.148	245.848	277.606	293.248
72.5	208.244	214.406	236.368	267.494	281.398
73.0	200.344	206.822	227.994	257.382	270.022
73.5	192.602	198.764	219.620	246.954	259.278
74.0	184.860	190.864	210.140	237.632	248.376
74.5	177.434	182.964	201.608	227.046	237.790
75.0	169.850	175.696	193.550	217.250	226.730
75.5	162.740	168.270	185.334	206.822	217.092
76.0	155.788	160.212	176.644	197.500	206.664
76.5	148.678	153.418	168.586	188.810	196.710
77.0	141.726	146.308	160.686	179.172	186.756
77.5	134.932	139.356	152.944	170.482	176.644
78.0	128.454	132.404	145.202	161.634	167.480
78.5	121.818	125.610	137.618	152.470	158.000
79.0	115.498	118.974	130.192	143.938	148.678
79.5	109.178	112.496	122.924	135.406	139.514
80.0	102.858	105.860	115.656	127.032	130.982
80.5	96.854	99.540	108.704	119.132	122.450
81.0	91.008	93.378	101.752	111.232	114.234
81.5	85.162	87.374	95.116	103.490	106.018
82.0	79.474	81.370	88.638	95.906	98.276
82.5	73.944	75.524	82.160	88.638	90.692

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

83.0	68.572	69.678	75.840	81.528	83.266
83.5	63.042	64.148	69.836	74.734	76.156
84.0	57.828	58.776	63.990	68.256	69.520
84.5	52.772	53.404	58.144	61.936	62.884
85.0	47.874	48.348	52.614	55.458	56.564
85.5	42.976	43.292	47.242	49.454	50.560
86.0	38.236	38.394	41.870	43.766	44.556
86.5	33.654	33.654	36.814	38.394	38.868
87.0	29.230	29.072	31.916	33.022	33.496
87.5	24.964	24.964	27.492	28.282	28.282
88.0	20.856	21.330	23.700	24.332	24.174
88.5	16.906	18.328	21.330	21.488	21.804
89.0	13.430	17.696	24.490	19.750	19.592
89.5	11.692	20.540	35.550	18.960	17.854
90.0	12.324	29.072	52.456	18.802	16.274
90.5	9.638	36.972	64.780	18.328	12.640
91.0	17.538	53.246	92.272	21.172	12.798
91.5	31.442	74.892	124.820	24.490	13.904
92.0	48.506	101.752	163.056	28.598	15.326
92.5	67.624	135.248	206.348	34.128	17.538
93.0	88.006	174.906	250.272	40.764	20.698
93.5	109.652	220.568	292.300	47.874	23.858
94.0	133.984	272.392	330.694	54.826	27.492
94.5	161.160	330.062	365.296	61.304	31.284
95.0	192.760	394.368	394.684	67.466	35.392
95.5	228.784	468.154	418.542	73.470	39.500
96.0	271.760	551.894	438.134	80.106	43.924
96.5	320.740	645.904	453.618	86.900	48.506
97.0	377.620	750.026	465.152	93.536	53.088
97.5	443.506	863.944	471.314	100.014	57.828
98.0	522.506	985.762	473.368	106.650	62.726
98.5	617.622	1115.638	472.262	113.444	67.624
99.0	730.276	1244.724	469.418	120.870	72.838
99.5	861.574	1373.336	465.310	128.454	78.052
100.0	1009.936	1495.944	460.096	135.880	83.424
100.5	1171.886	1600.540	453.776	144.096	88.796
101.0	1341.104	1687.440	447.456	151.838	94.168
101.5	1513.956	1749.060	441.452	159.422	99.856
102.0	1679.540	1785.400	436.870	166.848	105.386
102.5	1823.320	1799.620	433.710	175.380	111.074
103.0	1930.760	1790.140	431.814	183.438	116.762
103.5	1998.700	1764.860	431.340	190.864	122.292
104.0	2027.140	1728.520	432.604	198.290	128.296
104.5	2031.880	1682.700	435.448	205.400	133.984
105.0	2017.660	1640.040	438.766	212.510	139.672
105.5	1993.960	1598.960	442.874	219.778	145.676
106.0	1963.940	1561.514	447.772	227.204	151.522
106.5	1933.920	1525.648	452.986	234.314	157.526
107.0	1905.480	1491.520	459.464	241.582	163.530
107.5	1873.880	1462.922	466.890	248.692	169.376
108.0	1845.440	1437.642	475.422	256.118	175.222
108.5	1817.000	1415.048	482.848	263.544	181.226
109.0	1791.720	1395.456	491.222	270.970	187.388
109.5	1764.860	1378.076	499.596	278.396	193.392
110.0	1742.740	1363.066	508.286	285.980	199.554
110.5	1719.040	1350.426	518.714	293.406	205.558

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

111.0	1698.500	1339.050	528.826	300.674	211.720
111.5	1681.120	1329.570	538.148	308.416	218.198
112.0	1663.740	1321.196	546.522	316.158	224.202
112.5	1649.520	1314.086	555.054	323.742	230.680
113.0	1638.460	1308.714	563.428	331.642	236.842
113.5	1624.240	1304.290	571.960	339.384	243.320
114.0	1611.600	1300.182	579.702	347.284	249.798
114.5	1600.540	1297.022	587.602	355.026	256.118
115.0	1591.060	1294.810	595.186	362.926	262.754
115.5	1583.160	1293.388	603.086	370.826	268.916
116.0	1575.892	1292.598	611.144	378.568	275.868
116.5	1571.152	1291.966	619.044	386.152	282.346
117.0	1567.676	1290.070	626.786	393.736	288.982
117.5	1563.726	1287.858	634.844	401.162	295.302
118.0	1560.092	1286.120	642.428	408.746	301.780
118.5	1555.984	1284.382	650.012	416.172	308.732
119.0	1551.876	1282.802	657.754	423.440	315.526
119.5	1547.926	1281.064	665.338	430.550	322.004
120.0	1543.976	1279.326	672.764	437.660	328.798
120.5	1540.026	1277.588	680.190	444.454	335.592
121.0	1535.602	1275.218	687.142	451.248	342.070
121.5	1531.178	1273.164	694.252	458.200	349.022
122.0	1526.438	1270.794	701.046	464.836	355.658
122.5	1521.382	1268.266	707.682	471.314	362.452
123.0	1516.010	1266.370	714.160	477.634	369.088
123.5	1510.954	1264.474	720.638	483.954	375.724
124.0	1505.424	1262.420	727.116	490.116	382.834
124.5	1499.736	1260.366	732.804	496.436	389.470
125.0	1494.048	1258.154	738.492	502.440	396.106
125.5	1488.360	1255.784	743.864	508.602	402.900
126.0	1482.672	1253.414	749.236	514.606	409.536
126.5	1476.826	1250.728	754.608	520.768	416.172
127.0	1470.822	1247.884	759.506	526.930	422.966
127.5	1464.976	1244.724	764.246	532.618	429.602
128.0	1459.130	1241.564	768.986	538.464	436.238
128.5	1453.126	1238.562	773.568	544.310	442.874
129.0	1446.964	1235.560	777.992	550.156	449.510
129.5	1440.802	1231.926	782.258	556.002	456.304
130.0	1434.166	1228.134	786.524	561.690	463.098
130.5	1427.688	1224.026	790.474	567.378	469.418
131.0	1420.736	1219.602	794.266	572.908	476.686
131.5	1413.942	1215.020	797.742	578.280	483.480
132.0	1406.358	1210.122	801.218	583.810	489.958
132.5	1399.248	1205.066	804.378	589.182	496.752
133.0	1391.822	1199.536	807.854	594.238	503.072
133.5	1384.238	1193.848	811.014	599.452	509.234
134.0	1376.654	1188.002	814.016	604.508	514.922
134.5	1368.438	1182.156	816.860	609.406	520.926
135.0	1360.538	1176.152	819.546	614.304	527.088
135.5	1352.006	1170.306	822.390	618.886	532.618
136.0	1343.158	1163.986	825.076	623.784	538.464
136.5	1334.310	1157.508	827.604	628.524	544.152
137.0	1324.672	1151.188	829.816	633.106	549.840
137.5	1315.350	1144.552	832.186	637.688	555.528
138.0	1305.238	1137.758	834.240	641.796	561.216
138.5	1295.126	1131.122	836.610	646.378	566.746

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

139.0	1284.698	1124.170	838.506	650.802	572.276
139.5	1274.112	1117.376	840.402	655.068	577.332
140.0	1263.368	1110.424	842.614	659.492	582.704
140.5	1252.466	1103.630	844.352	663.442	587.918
141.0	1241.564	1096.994	846.248	667.550	592.658
141.5	1230.820	1090.358	847.670	671.974	597.714
142.0	1219.602	1083.880	848.776	676.082	603.244
142.5	1208.542	1077.560	850.356	679.716	607.984
143.0	1197.798	1071.398	851.620	683.982	613.356
143.5	1187.054	1065.394	852.884	687.774	618.412
144.0	1176.468	1059.390	853.990	691.724	623.152
144.5	1165.566	1053.386	855.096	695.516	628.682
145.0	1154.980	1047.540	855.570	698.992	634.054
145.5	1144.710	1041.694	856.360	702.626	638.952
146.0	1134.440	1036.322	857.150	706.260	644.166
146.5	1124.802	1030.634	857.782	710.052	649.064
147.0	1115.164	1025.104	858.256	713.528	654.594
147.5	1105.684	1020.048	858.572	716.688	659.492
148.0	1096.520	1014.834	858.888	720.006	663.758
148.5	1087.672	1009.620	859.046	723.166	668.814
149.0	1079.298	1004.564	859.204	726.484	673.712
149.5	1071.240	999.824	859.362	729.486	678.610
150.0	1063.498	995.084	859.204	732.646	682.876
150.5	1055.756	990.344	859.204	735.648	687.616
151.0	1048.646	985.920	859.046	738.650	691.882
151.5	1041.378	981.812	859.046	741.810	696.148
152.0	1034.900	977.704	859.046	744.812	700.730
152.5	1028.264	973.280	858.730	747.814	705.470
153.0	1022.260	969.488	858.256	750.974	709.894
153.5	1016.256	965.696	858.256	753.976	714.002
154.0	1010.568	962.062	858.098	756.978	718.268
154.5	1005.354	958.428	857.940	759.822	722.534
155.0	1000.614	954.636	857.624	762.982	726.800
155.5	995.716	951.002	857.466	765.826	730.750
156.0	991.134	947.842	856.992	768.828	735.016
156.5	986.710	944.366	856.676	771.988	739.440
157.0	982.760	941.048	856.360	775.148	743.548
157.5	978.494	937.730	855.886	777.992	747.340
158.0	974.544	934.254	855.412	780.678	751.132
158.5	970.594	930.936	855.412	783.838	754.766
159.0	966.644	927.618	855.096	786.840	758.716
159.5	963.010	924.616	854.306	789.684	762.350
160.0	959.534	921.772	854.148	792.528	765.826
160.5	955.426	918.612	853.832	795.214	769.460
161.0	951.634	915.768	853.674	797.742	772.936
161.5	948.158	912.766	853.358	800.270	776.412
162.0	944.524	909.764	853.042	802.956	779.888
162.5	940.574	906.762	852.884	805.484	782.890
163.0	937.098	903.760	852.568	807.854	786.208
163.5	932.990	900.916	852.252	810.224	789.842
164.0	929.356	897.914	851.778	812.594	793.002
164.5	925.406	895.070	851.462	814.806	796.162
165.0	921.772	892.226	851.304	816.860	799.006
165.5	918.296	889.540	850.988	818.914	801.850
166.0	914.504	886.854	850.672	820.652	804.536
166.5	911.186	884.168	850.514	822.706	807.222

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****CANDELA TABULATION - (Cont.)**

167.0	907.710	881.482	850.356	824.760	809.908
167.5	904.392	879.270	850.040	826.498	812.278
168.0	901.390	876.584	850.040	828.236	814.648
168.5	898.388	874.372	849.566	830.290	817.334
169.0	895.860	872.160	849.408	832.028	819.546
169.5	893.332	870.264	849.408	833.608	821.916
170.0	891.120	868.526	849.408	835.346	823.970
170.5	888.908	866.946	849.408	836.926	826.024
171.0	886.696	865.524	849.566	838.348	827.920
171.5	884.642	863.944	849.408	839.612	829.816
172.0	882.904	862.680	849.408	840.876	831.554
172.5	881.166	861.416	849.408	841.982	832.976
173.0	879.270	860.310	849.724	842.930	834.398
173.5	877.374	859.520	850.040	844.194	835.978
174.0	875.952	858.414	850.198	845.142	837.558
174.5	874.372	857.782	850.514	846.090	838.980
175.0	873.266	857.308	850.672	847.038	840.244
175.5	871.844	856.834	850.830	847.828	841.666
176.0	870.580	856.202	850.988	848.460	842.772
176.5	869.158	855.886	850.988	849.092	843.562
177.0	868.210	855.570	851.304	849.724	844.352
177.5	867.420	855.570	851.462	850.356	844.510
178.0	866.314	855.570	851.620	850.830	845.300
178.5	865.682	855.412	851.778	851.304	845.616
179.0	865.366	855.254	852.094	851.462	845.774
179.5	865.208	855.412	852.094	851.620	845.774
180.0	853.674	853.674	853.674	853.674	853.674



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	663.53	N.A.	7.70
0-30	1346.81	N.A.	15.60
0-40	2087.19	N.A.	24.10
0-60	3323.45	N.A.	38.40
0-80	3918.6	N.A.	45.30
0-90	3980.47	N.A.	46.00
10-90	3803.6	N.A.	44.00
20-40	1423.66	N.A.	16.50
20-50	2106.73	N.A.	24.30
40-70	1622.4	N.A.	18.70
60-80	595.14	N.A.	6.90
70-80	209.01	N.A.	2.40
80-90	61.87	N.A.	0.70
90-110	1150.96	N.A.	13.30
90-120	1943.91	N.A.	22.50
90-130	2714.54	N.A.	31.40
90-150	3950.53	N.A.	45.70
90-180	4672.72	N.A.	54.00
110-180	3521.75	N.A.	40.70
0-180	8653.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	176.87
10-20	486.66
20-30	683.29
30-40	740.38
40-50	683.07
50-60	553.20
60-70	386.13
70-80	209.01
80-90	61.87
90-100	297.34
100-110	853.62
110-120	792.95
120-130	770.63
130-140	686.52
140-150	549.47
150-160	398.29
160-170	242.49
170-180	81.40

# IES INDOOR REPORT

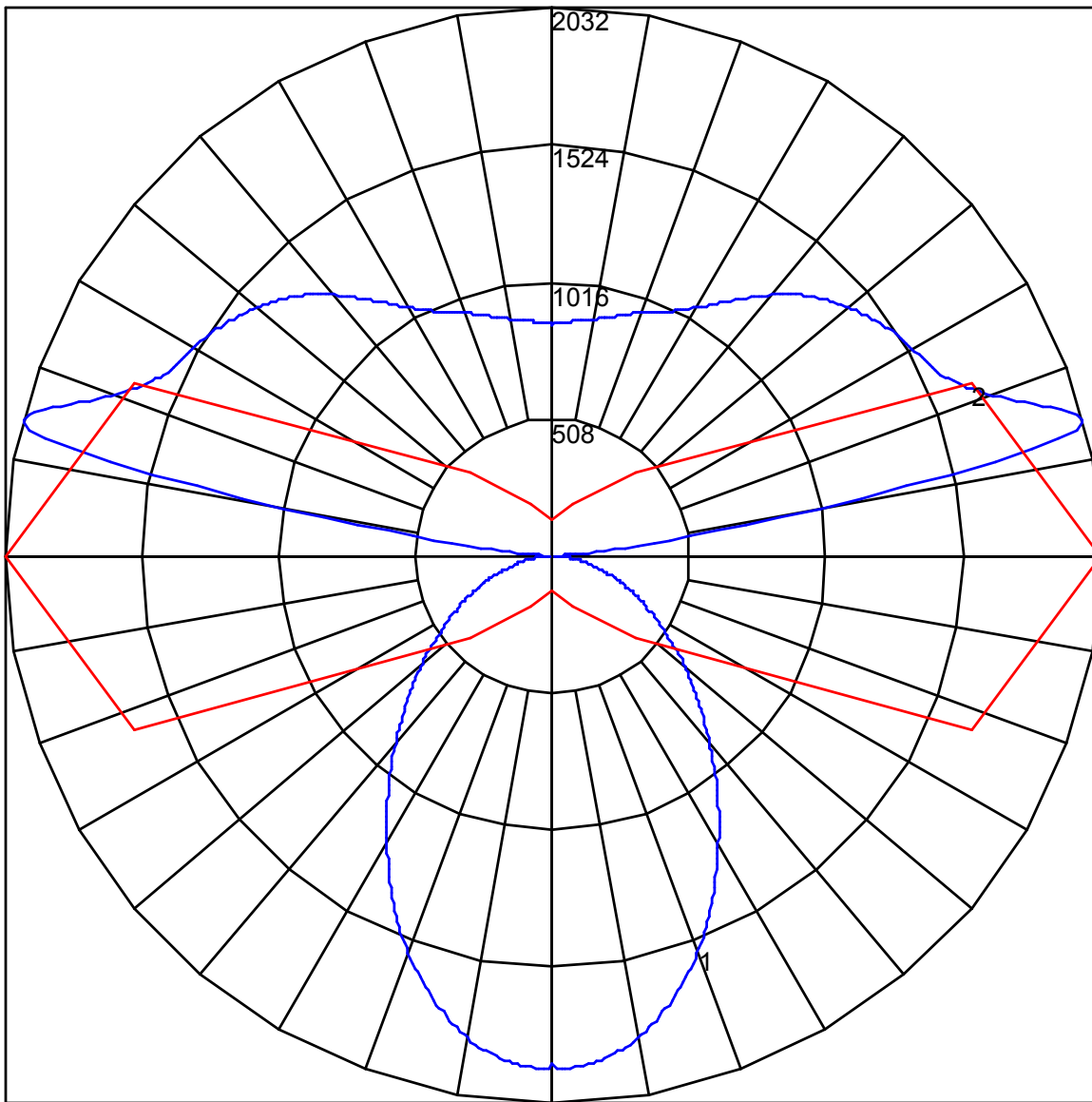
PHOTOMETRIC FILENAME : BIO2-LIN-LED35-HO-HO-SAL-D1-CW.IES

## 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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	86	82	79	72	69	67	59	57	56	47	46	45	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	42	40	38	33
3	81	72	65	59	74	66	60	55	56	51	48	46	43	40	37	35	33	29
4	74	64	56	50	68	59	52	47	50	45	41	41	38	35	33	31	29	25
5	68	57	49	43	63	53	46	41	45	40	35	37	33	30	30	28	25	22
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	22	20
7	58	47	39	33	54	43	36	31	37	31	28	31	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	16	14
10	47	36	28	24	44	33	27	23	29	23	20	24	20	18	20	17	15	13

POLAR GRAPH



Maximum Candela = 2031.88 Located At Horizontal Angle = 0, Vertical Angle = 104.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (104.5) (Through Max. Cd.)