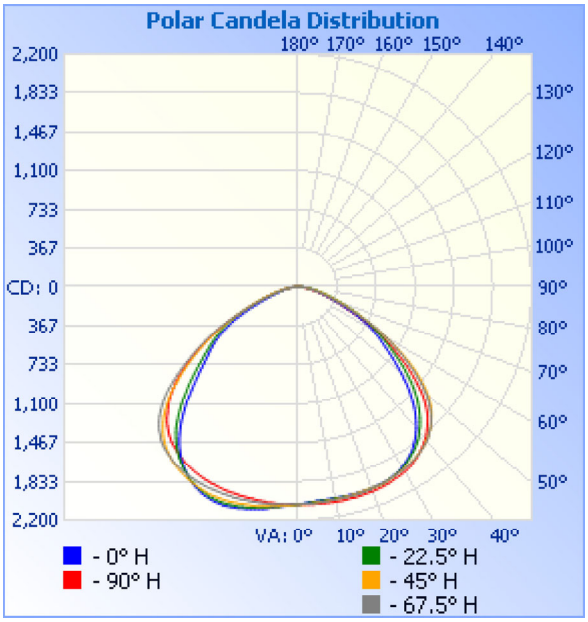
Photometrics Pro

Luminaire Photometric Report

Filename: **11502 FL06E Flood Light - 50W - 3000K - IES**
Manufacturer: SARIN Energy Solutions
Lamp Output: 1 lamp, rated Lumens/lamp: 6259.8
Max Candela: 2,176.0 at Horizontal: 180°, Vertical: 19°
Input Wattage: 49.14
Luminous Opening: Rectangle (L: 6.3", W: 3.54")
Test: BLC2209011E-B-PL
Test Lab: UTEST TECHNICAL LABORATORY CO.LTD
Photometry : Type C
Nema Type: 7 X 7



Roadway Summary

	Lumens	% Lamp
Cutoff Classification:		FULL CUTOFF
Distribution:		Type VS
Max Cd, 90 Deg Vert:		0
Max Cd, 80 to <90 Deg:		158.4
Downward Street Side:	3,129.9	50%
Downward House Side:	3,129.9	50%
Downward Total:	6,259.8	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	6,259.8	100%

Flood Summary

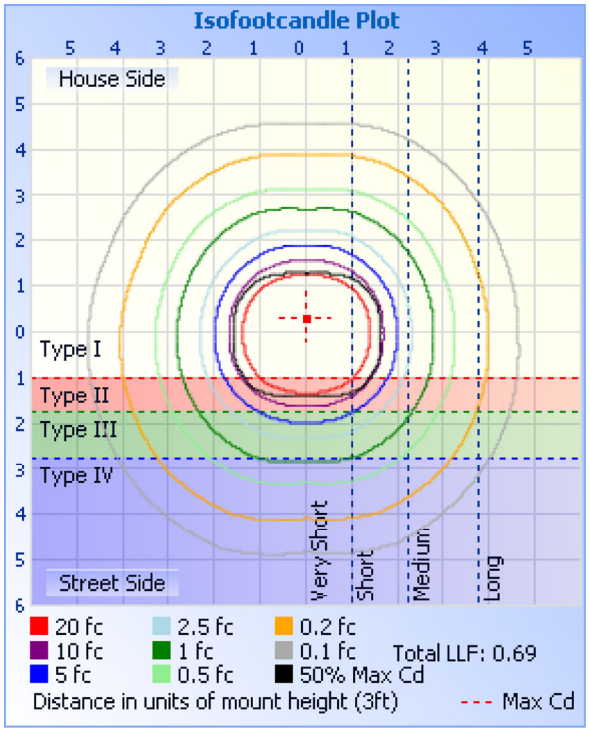
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.7%	6,118.3	147.2	148
Beam (50%):	80.4%	5,031.5	111.5	105.8
Total:	100%	6,257.5		

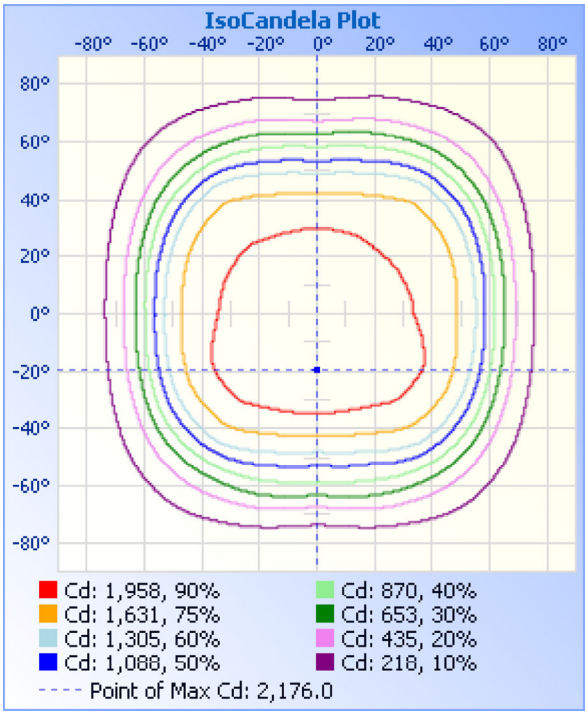
Zonal Lumen Summary

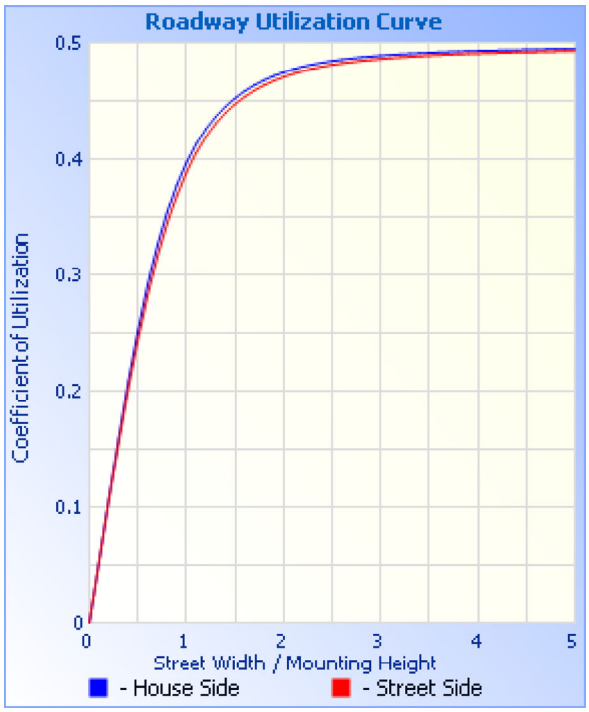
Zone	Lumens	% Lamp	% Luminaire
0-30	1,731.2	27.7%	27.7%
0-40	2,952.4	47.2%	47.2%
0-60	5,326.7	85.1%	85.1%
60-90	932.4	14.9%	14.9%
70-100	302.5	4.8%	4.8%
90-120	0	0%	0%
0-90	6,259.1	100%	100%
90-180	0	0%	0%
0-180	6,259.1	100%	100%

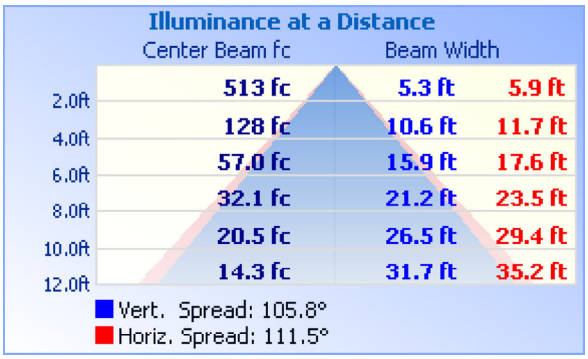
Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	196.4	3.1%	90-100	0	0%
10-20	586.4	9.4%	100-110	0	0%
20-30	948.3	15.2%	110-120	0	0%
30-40	1,221.2	19.5%	120-130	0	0%
40-50	1,300.3	20.8%	130-140	0	0%
50-60	1,073.9	17.2%	140-150	0	0%
60-70	629.8	10.1%	150-160	0	0%
70-80	247.3	4.0%	160-170	0	0%
80-90	55.2	0.9%	170-180	0	0%









Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.10	1.05	1.01	.98	1.07	1.03	1.00	.87	.99	.96	.93	.95	.93	.90	.91	.90	.88	.86
2	1.00	.93	.86	.81	.98	.91	.85	.74	.87	.82	.78	.84	.80	.76	.81	.78	.75	.72
3	.92	.82	.74	.68	.89	.80	.73	.63	.77	.71	.66	.74	.69	.65	.72	.67	.64	.62

4	.84	.72	.64	.57	.82	.71	.63	.54	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5	.77	.65	.56	.50	.75	.64	.55	.47	.61	.54	.49	.60	.53	.48	.58	.52	.48	.46
6	.71	.58	.49	.43	.69	.57	.49	.42	.55	.48	.43	.54	.47	.42	.52	.46	.42	.40
7	.66	.53	.44	.38	.64	.52	.44	.37	.50	.43	.38	.49	.42	.37	.48	.42	.37	.35
8	.61	.48	.40	.34	.60	.47	.39	.33	.46	.39	.33	.45	.38	.33	.44	.38	.33	.31
9	.57	.44	.36	.30	.56	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10	.54	.40	.33	.27	.52	.40	.32	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052	2052
1	2047	2048	2053	2048	2052	2056	2058	2060	2054	2059	2059	2051	2054	2052	2048	2050	2047
2	2041	2043	2051	2048	2054	2057	2060	2069	2059	2069	2064	2053	2053	2048	2044	2046	2041
3	2035	2040	2048	2049	2056	2064	2063	2074	2069	2068	2066	2056	2058	2045	2036	2039	2035
4	2032	2039	2044	2050	2057	2057	2070	2081	2074	2069	2071	2057	2057	2039	2037	2034	2032
5	2027	2032	2041	2045	2053	2065	2076	2089	2083	2083	2077	2055	2056	2038	2029	2032	2027
6	2027	2030	2039	2043	2056	2066	2076	2095	2091	2085	2083	2060	2053	2036	2026	2033	2027
7	2022	2030	2038	2040	2055	2068	2082	2100	2100	2089	2087	2065	2051	2036	2024	2028	2022
8	2024	2027	2036	2038	2056	2071	2089	2110	2111	2103	2091	2064	2055	2032	2024	2029	2024
9	2022	2028	2033	2035	2058	2069	2094	2113	2120	2110	2095	2065	2047	2031	2024	2026	2022
10	2020	2024	2033	2036	2057	2073	2099	2122	2127	2117	2104	2068	2049	2031	2020	2029	2020
11	2022	2024	2032	2033	2057	2075	2107	2131	2134	2123	2106	2067	2047	2026	2021	2028	2022
12	2023	2025	2030	2034	2059	2075	2112	2137	2141	2129	2107	2071	2043	2030	2020	2025	2023
13	2023	2029	2027	2033	2056	2081	2116	2148	2148	2138	2110	2071	2044	2024	2015	2024	2023
14	2022	2030	2027	2033	2053	2085	2118	2148	2153	2139	2111	2070	2042	2021	2012	2020	2022
15	2022	2028	2026	2031	2056	2085	2124	2155	2162	2150	2118	2074	2042	2020	2011	2022	2022
16	2022	2026	2024	2035	2056	2087	2128	2164	2168	2147	2118	2074	2041	2017	2011	2022	2022
17	2021	2025	2021	2030	2052	2087	2129	2164	2171	2150	2123	2075	2036	2017	2007	2018	2021
18	2019	2026	2020	2028	2051	2089	2132	2165	2174	2154	2125	2072	2037	2006	2007	2016	2019
19	2022	2022	2019	2027	2049	2085	2136	2170	2176	2155	2126	2072	2035	2007	2003	2016	2022
20	2021	2022	2019	2021	2050	2085	2135	2167	2174	2155	2126	2074	2034	2001	2000	2014	2021
21	2018	2020	2018	2015	2048	2087	2136	2168	2173	2154	2124	2071	2031	2002	1997	2012	2018
22	2015	2017	2021	2016	2046	2087	2134	2163	2169	2147	2125	2071	2028	1997	1992	2009	2015
23	2012	2019	2017	2013	2043	2081	2131	2159	2163	2148	2125	2070	2023	1993	1990	2010	2012
24	2010	2015	2011	2010	2040	2085	2128	2153	2155	2135	2121	2071	2023	1993	1988	2008	2010
25	2006	2004	2010	2007	2037	2086	2123	2144	2146	2125	2114	2070	2015	1988	1979	2002	2006
26	1998	2003	2004	2003	2030	2082	2126	2136	2134	2119	2112	2067	2012	1984	1974	1996	1998
27	1990	1993	1997	1999	2024	2079	2121	2123	2121	2106	2104	2067	2006	1980	1969	1992	1990
28	1982	1988	1991	1996	2019	2079	2116	2114	2106	2092	2099	2060	2000	1974	1969	1980	1982
29	1970	1978	1986	1990	2016	2074	2111	2101	2087	2080	2091	2055	1994	1967	1962	1972	1970
30	1957	1968	1981	1984	2007	2068	2102	2082	2066	2068	2084	2056	1985	1967	1958	1963	1957
31	1942	1953	1973	1976	2002	2058	2089	2064	2039	2043	2074	2050	1979	1962	1954	1954	1942
32	1928	1937	1968	1973	1992	2052	2078	2043	2015	2027	2065	2047	1970	1954	1949	1941	1928
33	1911	1926	1960	1964	1980	2044	2062	2023	1990	2002	2053	2038	1962	1949	1933	1924	1911
34	1892	1907	1958	1958	1967	2041	2053	1998	1964	1979	2044	2031	1950	1939	1925	1912	1892
35	1875	1893	1944	1946	1954	2026	2040	1974	1930	1957	2033	2025	1938	1932	1921	1887	1875
36	1845	1875	1935	1938	1937	2024	2026	1939	1894	1927	2018	2015	1926	1918	1911	1869	1845
37	1820	1852	1923	1926	1919	2008	2008	1908	1858	1896	2002	2002	1912	1909	1895	1850	1820
38	1794	1831	1914	1913	1903	1993	1992	1875	1817	1864	1984	1992	1900	1898	1888	1824	1794
39	1762	1804	1899	1901	1884	1981	1970	1832	1772	1828	1964	1980	1887	1885	1873	1804	1762
40	1730	1775	1879	1888	1863	1965	1948	1795	1724	1791	1945	1968	1869	1873	1859	1773	1730
41	1692	1749	1866	1870	1841	1942	1921	1755	1675	1752	1922	1949	1848	1861	1841	1746	1692
42	1656	1718	1845	1844	1810	1921	1890	1712	1616	1699	1896	1930	1826	1842	1821	1714	1656
43	1616	1682	1826	1826	1784	1897	1860	1664	1564	1651	1865	1902	1801	1825	1805	1682	1616
44	1575	1646	1803	1799	1754	1861	1826	1616	1511	1602	1831	1881	1776	1802	1784	1648	1575
45	1525	1607	1774	1771	1723	1828	1783	1557	1449	1549	1797	1852	1746	1784	1761	1612	1525
46	1479	1568	1747	1738	1686	1788	1741	1505	1390	1494	1758	1820	1708	1763	1735	1570	1479

47	1432	1530	1717	1704	1646	1753	1696	1454	1337	1438	1712	1784	1677	1731	1707	1531	1432
48	1382	1481	1681	1667	1602	1702	1648	1398	1281	1388	1664	1741	1641	1704	1679	1486	1382
49	1324	1436	1641	1624	1557	1653	1595	1346	1232	1334	1615	1697	1601	1669	1646	1439	1324
50	1271	1384	1600	1580	1496	1596	1539	1291	1182	1279	1568	1650	1557	1625	1608	1388	1271
51	1217	1333	1552	1524	1442	1542	1481	1240	1137	1228	1508	1597	1507	1577	1567	1338	1217
52	1165	1282	1501	1472	1385	1481	1421	1192	1097	1179	1442	1538	1462	1531	1520	1281	1165
53	1115	1230	1443	1409	1324	1418	1359	1145	1059	1132	1388	1467	1409	1475	1474	1231	1115
54	1066	1172	1384	1352	1262	1352	1295	1103	1026	1090	1324	1403	1348	1425	1422	1180	1066
55	1014	1122	1323	1284	1197	1278	1222	1059	989	1043	1261	1336	1289	1361	1361	1130	1014
56	971	1067	1254	1224	1134	1214	1159	1020	954	1006	1194	1270	1224	1294	1308	1076	971
57	931	1019	1184	1159	1073	1150	1094	982	917	968	1133	1197	1159	1231	1231	1027	931
58	892	971	1109	1090	1009	1088	1029	942	876	932	1071	1132	1097	1168	1164	981	892
59	851	922	1041	1032	948	1020	962	895	832	891	1007	1070	1025	1105	1100	936	851
60	810	879	972	971	882	958	899	854	787	852	946	1004	960	1040	1032	893	810
61	769	834	902	904	813	892	840	814	743	813	879	942	897	973	963	849	769
62	723	789	835	844	748	819	779	773	696	774	816	871	832	909	893	804	723
63	669	749	773	774	679	750	715	727	639	729	757	803	770	844	828	762	669
64	617	700	709	704	616	678	658	679	585	683	699	731	704	777	766	719	617
65	566	652	652	635	559	612	604	628	533	633	642	663	641	703	701	667	566
66	514	603	601	574	506	549	554	578	480	583	584	590	582	639	642	618	514
67	466	552	544	518	459	494	510	528	428	532	533	527	526	576	588	567	466
68	418	502	500	470	412	438	462	475	377	480	487	472	471	520	535	520	418
69	376	458	453	417	371	392	420	429	336	432	438	421	424	464	489	473	376
70	343	415	409	375	334	349	382	386	302	388	397	373	378	416	443	432	343
71	311	376	369	336	301	309	346	347	272	348	359	329	341	374	400	396	311
72	283	344	337	304	271	276	311	307	243	307	323	291	305	333	365	361	283
73	259	314	304	271	242	248	281	275	220	275	290	260	274	303	330	330	259
74	236	285	275	243	217	222	253	246	199	246	259	229	245	270	299	299	236
75	213	259	249	219	195	195	228	220	178	220	232	205	219	240	273	270	213
76	193	232	224	196	172	174	203	197	162	196	207	181	197	216	244	245	193
77	174	208	199	173	151	153	178	176	145	173	184	162	176	193	221	221	174
78	156	188	173	153	132	134	153	156	130	154	158	143	155	170	195	200	156
79	141	169	151	134	115	118	130	139	116	137	136	124	138	151	171	179	141
80	124	149	128	116	99	98	111	121	102	120	116	109	122	134	147	158	124
81	109	130	110	98	84	82	92	105	89	104	100	94	104	114	127	141	109
82	95	113	91	79	68	67	76	89	76	89	83	79	89	97	105	121	95
83	81	95	74	65	54	53	62	74	65	75	69	64	73	79	89	103	81
84	68	80	59	50	42	39	49	60	54	62	57	51	61	64	72	86	68
85	55	63	47	37	29	28	36	45	43	49	44	40	49	51	57	69	55
86	43	48	32	25	18	18	24	33	32	37	34	30	35	36	44	54	43
87	32	34	22	15	8	9	14	22	22	27	22	20	23	25	29	39	32
88	19	19	11	6	2	2	7	14	13	17	13	11	10	14	17	24	19
89	6	7	1	2	2	2	4	5	4	7	5	3	3	5	7	7	6
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

```
IESNA:LM-63-2002
[TEST] BLC2209011E-B-PL
[TESTLAB] UTEST TECHNICAL LABORATORY CO.LTD
[ISSUEDATE] 2022/9/9 21:16
[MANUFAC] SARIN Energy Solutions
[_TOTALLUMINAIRELUMENS] 6259.1
[_VOLTAGE] 120.0 V
[_CURRENT] 0.414 A
[_POWERFACTOR] 0.986
[_THD] 14.41
[_TESTINST] GPM-3000
[_TESTDIST] 14.140 M [K=1.0000]
[_TESTTEMPERATURE] 25.6 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1
```

Photometrics Pro 1.3.29 copyright 2003-2025 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.