

Photometrics Pro

Luminaire Photometric Report

Filename: BL24 IES

Manufacturer: SHENZHEN ZENITH TECHNOLOGY CO.,LTD.

Luminaire: ZS-BL2*4-F49-30

Lamp Output: Total luminaire Lumens: 6366.2

Max Candela: 2,169.1 at Horizontal: 315°, Vertical: 1°

Input Wattage: 49.7

Luminous Opening: Point

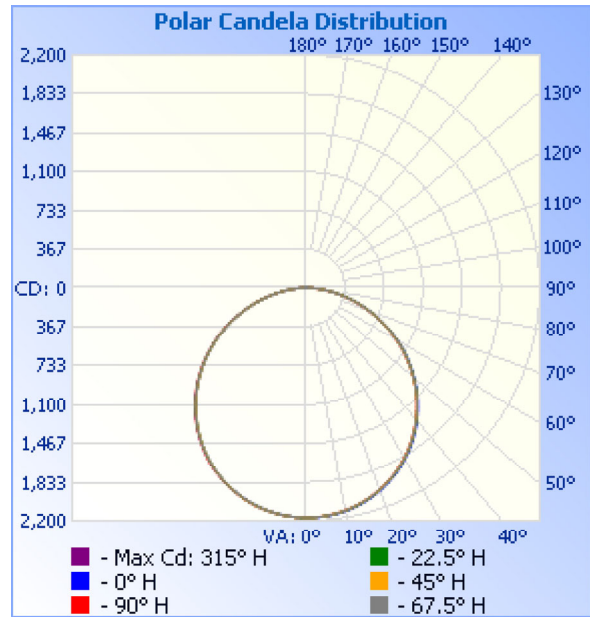
Test: Jenson

Test Date: 20 June 2019

Test Lab: Standard-Tech Co., Ltd. Testing Center

Photometry : Type C

Nema Type: 7 X 7

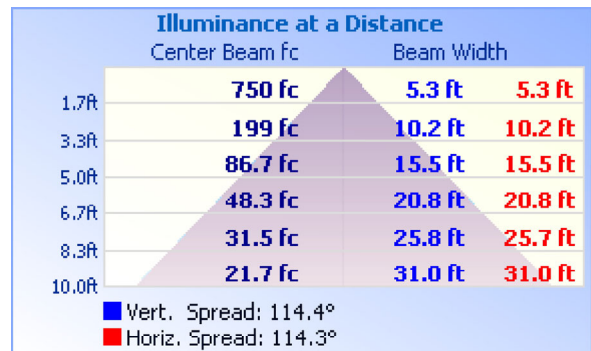
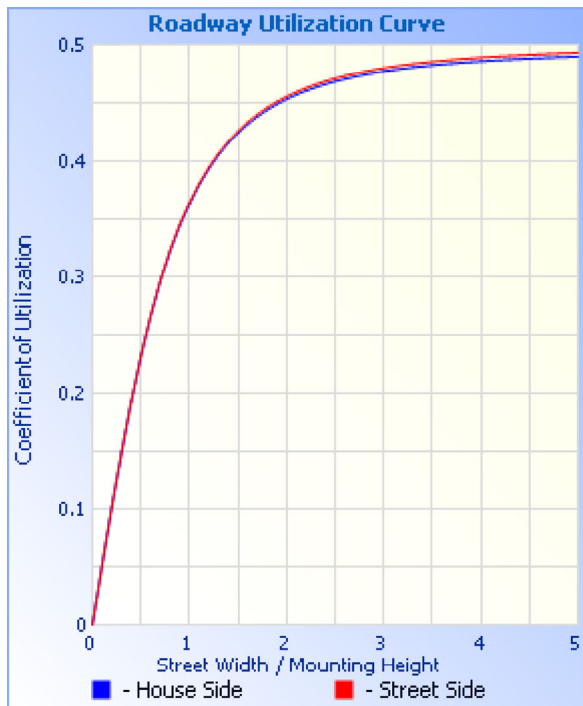
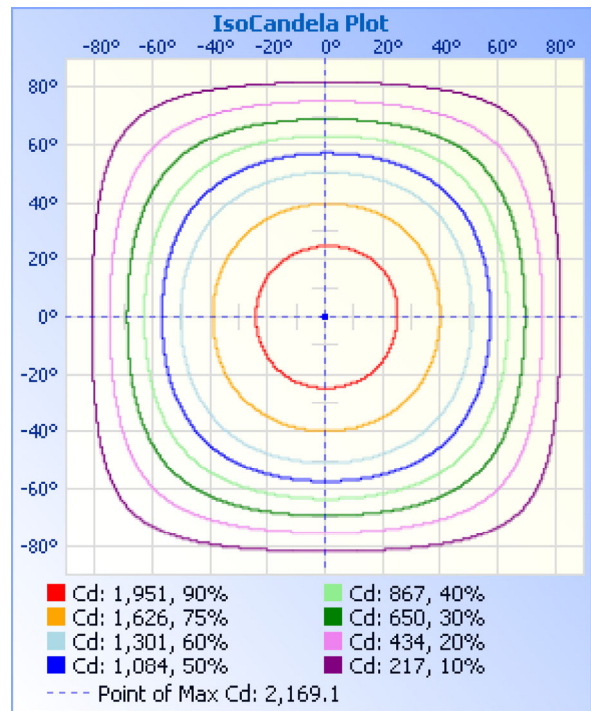
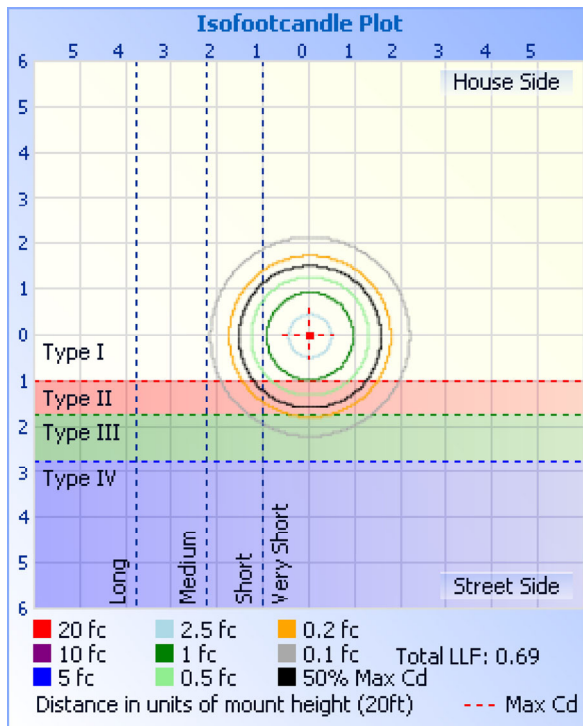


Roadway Summary		
Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	5.3	
Max Cd, 80 to <90 Deg:	287.2	
	Lumens	% Lamp
Downward Street Side:	3,196.1	50.2%
Downward House Side:	3,160.5	49.6%
Downward Total:	6,356.7	99.9%
Upward Street Side:	5.2	0.1%
Upward House Side:	4.9	0.1%
Upward Total:	10.1	0.2%
Total Lumens:	6,366.8	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.5%	6,268.1	163.2	163.7
Beam (50%):	73.6%	4,684.8	114.3	114.4
Total:	100%	6,363.9		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,692.2	26.6%
0-40	2,781.0	43.7%
0-60	4,953.0	77.8%
60-90	1,403.1	22%
70-100	607.3	9.5%
90-120	5.8	0.1%
0-90	6,356.1	99.8%
90-180	10.1	0.2%
0-180	6,366.2	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	205.2	3.2%	90-100	2.4	0%
10-20	589.4	9.3%	100-110	1.9	0%
20-30	897.6	14.1%	110-120	1.6	0%
30-40	1,088.8	17.1%	120-130	1.2	0%
40-50	1,137.1	17.9%	130-140	1.0	0%
50-60	1,034.9	16.3%	140-150	0.8	0%
60-70	798.2	12.5%	150-160	0.6	0%
70-80	471.7	7.4%	160-170	0.4	0%
80-90	133.2	2.1%	170-180	0.2	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	1.08	1.04	.99	.95	1.06	1.01	.97	.84	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2	.98	.90	.83	.77	.96	.88	.82	.70	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3	.90	.79	.71	.64	.87	.77	.70	.59	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58

4	.82	.70	.61	.54	.80	.68	.60	.51	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5	.75	.62	.53	.46	.73	.61	.53	.44	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6	.69	.56	.47	.40	.68	.55	.46	.39	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7	.64	.51	.42	.36	.63	.50	.41	.34	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8	.60	.46	.38	.32	.58	.46	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9	.56	.42	.34	.29	.55	.42	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.28	.26
10	.52	.39	.31	.26	.51	.39	.31	.25	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24

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	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168	2168
1	2169	2168	2168	2167	2167	2166	2166	2166	2168	2168	2167	2167	2167	2168	2169	2168	2169
2	2168	2167	2167	2167	2165	2165	2164	2164	2166	2166	2166	2167	2166	2167	2168	2168	2168
3	2167	2165	2165	2165	2163	2162	2162	2163	2163	2164	2165	2164	2165	2166	2167	2166	2167
4	2165	2163	2162	2162	2161	2159	2159	2160	2161	2161	2162	2161	2162	2165	2165	2164	2165
5	2162	2160	2159	2158	2158	2156	2155	2155	2157	2159	2159	2159	2159	2162	2163	2161	2162
6	2159	2156	2155	2154	2153	2152	2151	2150	2153	2154	2155	2155	2155	2158	2159	2158	2159
7	2154	2151	2151	2149	2149	2147	2145	2146	2148	2149	2150	2150	2151	2154	2156	2155	2154
8	2150	2146	2144	2144	2142	2141	2139	2140	2142	2143	2144	2144	2145	2150	2152	2150	2150
9	2144	2140	2138	2137	2137	2134	2133	2133	2136	2136	2138	2138	2138	2144	2147	2143	2144
10	2138	2134	2132	2131	2129	2128	2125	2126	2129	2130	2130	2131	2133	2139	2141	2137	2138
11	2131	2127	2124	2123	2121	2120	2118	2118	2121	2123	2124	2124	2125	2131	2135	2131	2131
12	2123	2117	2115	2114	2114	2111	2110	2110	2113	2115	2115	2114	2117	2124	2127	2123	2123
13	2115	2110	2107	2106	2104	2101	2101	2101	2104	2105	2105	2105	2109	2116	2119	2116	2115
14	2105	2100	2096	2096	2095	2092	2090	2092	2093	2096	2096	2096	2099	2106	2110	2106	2105
15	2095	2089	2087	2085	2084	2081	2081	2081	2084	2085	2085	2085	2088	2097	2100	2096	2095
16	2084	2078	2076	2074	2073	2070	2069	2070	2072	2075	2075	2074	2078	2086	2090	2086	2084
17	2073	2066	2064	2063	2062	2058	2058	2059	2060	2063	2062	2062	2066	2075	2079	2075	2073
18	2059	2054	2052	2051	2049	2046	2045	2046	2048	2049	2049	2049	2054	2063	2067	2062	2059
19	2047	2042	2038	2037	2036	2032	2032	2034	2034	2036	2037	2037	2041	2050	2054	2050	2047
20	2034	2028	2025	2023	2021	2018	2018	2019	2021	2022	2023	2023	2027	2037	2041	2037	2034
21	2019	2014	2010	2009	2007	2005	2004	2006	2007	2007	2008	2008	2013	2022	2027	2023	2019
22	2004	1999	1994	1994	1991	1990	1988	1991	1993	1992	1992	1993	1998	2007	2012	2008	2004
23	1988	1983	1979	1978	1976	1973	1973	1975	1976	1976	1976	1977	1983	1992	1996	1993	1988
24	1972	1967	1962	1961	1959	1958	1957	1959	1960	1959	1960	1960	1965	1976	1980	1977	1972
25	1955	1949	1946	1944	1942	1940	1941	1941	1942	1942	1943	1943	1949	1959	1963	1960	1955
26	1938	1932	1927	1927	1924	1923	1922	1923	1924	1924	1924	1924	1931	1941	1945	1942	1938
27	1919	1913	1909	1909	1906	1904	1904	1906	1906	1905	1906	1906	1913	1924	1928	1924	1919
28	1901	1894	1890	1889	1886	1886	1885	1885	1887	1885	1886	1887	1894	1905	1909	1905	1901
29	1881	1874	1870	1870	1866	1867	1866	1867	1868	1866	1867	1867	1875	1884	1889	1885	1881
30	1861	1855	1850	1849	1847	1847	1846	1846	1846	1845	1846	1847	1854	1864	1868	1865	1861
31	1840	1832	1829	1829	1825	1826	1825	1825	1826	1824	1824	1826	1833	1843	1847	1844	1840
32	1818	1812	1807	1807	1804	1804	1803	1804	1805	1802	1802	1804	1811	1821	1826	1823	1818
33	1796	1790	1785	1784	1781	1782	1781	1782	1781	1780	1780	1782	1789	1799	1803	1800	1796
34	1773	1767	1763	1762	1759	1759	1759	1759	1759	1757	1756	1760	1765	1776	1781	1778	1773
35	1749	1743	1738	1738	1734	1737	1735	1736	1735	1732	1733	1737	1742	1752	1757	1753	1749
36	1725	1720	1715	1714	1711	1713	1711	1711	1711	1709	1709	1711	1719	1728	1734	1730	1725
37	1700	1695	1690	1689	1686	1688	1687	1687	1686	1685	1684	1687	1694	1703	1708	1706	1700
38	1676	1670	1664	1666	1661	1663	1662	1661	1660	1660	1659	1662	1668	1678	1683	1679	1676
39	1651	1643	1639	1639	1636	1637	1636	1636	1635	1633	1633	1636	1642	1652	1657	1654	1651
40	1624	1617	1614	1613	1609	1610	1610	1609	1607	1607	1606	1609	1615	1625	1632	1629	1624
41	1597	1591	1586	1587	1582	1584	1584	1582	1581	1580	1579	1582	1589	1599	1604	1601	1597
42	1570	1563	1558	1558	1555	1557	1556	1555	1553	1553	1552	1556	1562	1571	1577	1573	1570
43	1542	1535	1531	1531	1527	1528	1527	1526	1526	1525	1523	1527	1534	1543	1549	1547	1542
44	1513	1507	1503	1502	1499	1500	1499	1498	1497	1496	1495	1498	1505	1515	1520	1518	1513
45	1484	1478	1473	1474	1470	1471	1470	1469	1467	1467	1465	1470	1476	1486	1490	1488	1484
46	1455	1449	1444	1444	1441	1442	1441	1439	1438	1437	1436	1440	1447	1457	1461	1459	1455

47	1425	1419	1414	1415	1411	1411	1410	1409	1408	1407	1406	1410	1417	1426	1430	1429	1425
48	1394	1389	1383	1384	1381	1381	1380	1379	1376	1377	1375	1380	1387	1395	1400	1399	1394
49	1363	1357	1353	1354	1350	1350	1348	1347	1345	1345	1344	1349	1355	1363	1369	1367	1363
50	1331	1327	1322	1323	1318	1318	1317	1316	1314	1313	1313	1317	1324	1332	1337	1336	1331
51	1300	1295	1291	1291	1287	1287	1285	1283	1281	1281	1280	1286	1292	1300	1305	1304	1300
52	1268	1263	1258	1258	1254	1254	1253	1251	1249	1249	1249	1253	1259	1267	1273	1271	1268
53	1235	1230	1225	1226	1222	1221	1220	1218	1216	1217	1216	1220	1227	1234	1239	1239	1235
54	1201	1198	1193	1193	1189	1187	1187	1184	1183	1184	1182	1187	1193	1200	1206	1204	1201
55	1169	1165	1161	1161	1155	1154	1153	1152	1150	1150	1149	1154	1160	1167	1172	1172	1169
56	1135	1131	1126	1126	1122	1120	1119	1116	1116	1116	1115	1119	1126	1133	1139	1137	1135
57	1101	1098	1093	1093	1088	1085	1085	1082	1081	1081	1081	1085	1091	1098	1104	1104	1101
58	1066	1063	1058	1058	1053	1051	1050	1048	1047	1048	1047	1050	1056	1063	1069	1068	1066
59	1032	1028	1024	1023	1018	1015	1016	1013	1012	1012	1012	1016	1021	1028	1034	1034	1032
60	997	993	989	988	984	981	980	978	978	978	977	981	985	993	998	999	997
61	961	958	953	953	948	945	944	942	942	942	942	945	950	957	962	963	961
62	926	923	918	917	913	910	909	907	907	907	907	909	915	921	927	927	926
63	890	887	882	881	877	873	873	871	871	871	870	873	878	886	891	891	890
64	854	851	847	845	841	837	837	835	835	835	834	838	842	849	855	855	854
65	818	815	811	810	805	802	801	799	799	799	799	801	806	812	819	819	818
66	782	779	775	773	768	766	764	763	763	762	762	764	770	777	782	783	782
67	745	742	739	736	732	730	728	726	726	726	726	729	733	740	745	747	745
68	709	706	702	700	696	693	692	690	690	690	689	692	696	703	709	710	709
69	672	670	666	664	659	657	655	654	653	653	654	656	660	666	672	674	672
70	636	634	630	627	623	621	620	618	617	618	617	619	624	630	636	637	636
71	600	597	594	591	586	585	583	581	581	581	581	583	588	593	599	601	600
72	564	561	558	555	551	549	548	545	544	545	545	547	552	556	564	565	564
73	528	526	522	518	514	513	512	509	508	508	509	512	515	520	528	529	528
74	492	490	486	482	478	477	477	474	473	473	474	476	479	484	491	493	492
75	457	455	451	446	443	442	441	438	437	437	439	441	443	448	456	458	457
76	422	420	416	411	408	406	407	404	402	402	404	406	408	413	420	423	422
77	388	385	381	376	373	372	372	368	368	368	369	371	372	378	386	389	388
78	353	351	347	341	338	338	338	335	333	333	335	337	337	343	351	355	353
79	320	318	314	308	305	304	304	301	299	300	301	303	302	309	318	321	320
80	287	284	280	274	271	271	270	268	266	267	268	270	268	275	284	287	287
81	254	252	248	241	238	238	237	235	234	234	235	237	235	242	251	254	254
82	221	219	215	209	205	205	205	203	202	203	203	204	202	209	219	222	221
83	189	188	184	177	174	173	173	172	171	172	172	172	170	177	186	190	189
84	158	157	152	146	142	141	142	142	141	142	141	141	139	145	154	159	158
85	128	127	124	116	112	111	111	112	111	112	110	111	110	115	123	129	128
86	99	98	93	87	84	82	82	84	83	84	82	82	81	86	93	98	99
87	71	70	64	59	57	54	54	55	56	55	54	54	55	58	63	69	71
88	44	42	38	34	32	30	28	29	31	29	29	30	31	34	37	42	44
89	21	19	17	15	13	12	10	10	10	10	11	12	12	14	16	18	21
90	5	5	5	5	4	3	3	3	3	3	3	3	3	3	4	5	5
91	3	3	3	2	2	2	2	3	3	3	2	2	2	3	3	3	3
92	3	3	3	2	2	2	2	3	2	3	2	2	2	2	2	3	3
93	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	3	3
94	3	3	2	2	2	2	2	2	3	2	2	1	2	2	2	2	3
95	2	2	2	2	1	2	2	2	3	2	2	1	2	2	2	2	2

96	2	2	2	2	1	2	2	2	3	2	2	1	2	2	2	2	2
97	2	2	2	2	1	2	2	2	3	2	2	1	2	2	2	2	2
98	2	2	2	1	1	2	2	2	2	2	2	1	2	2	2	2	2
99	2	2	2	1	1	2	2	2	2	2	2	1	2	2	2	2	2
100	2	2	2	1	1	2	2	2	3	2	2	1	1	2	2	2	2
101	2	2	2	1	1	1	2	2	2	2	2	1	1	2	2	2	2
102	2	2	2	1	1	2	2	2	2	2	2	1	1	2	2	2	2
103	2	2	2	1	1	2	2	2	2	2	2	1	1	2	2	2	2
104	2	2	2	1	1	2	2	2	2	2	2	1	2	2	2	2	2
105	2	2	2	1	1	2	2	2	2	2	2	1	2	2	2	2	2
106	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2
107	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
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111	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
112	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2
113	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2
114	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2
115	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2
116	2	1	2	2	2	2	2	1	1	1	2	2	2	2	2	1	2
117	2	1	2	2	2	2	2	1	1	1	2	2	2	2	2	1	2
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124	1	1	2	2	2	2	2	1	1	1	1	1	2	2	2	1	1
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128	1	1	2	2	2	2	1	0	1	1	1	1	2	2	2	1	1
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131	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	1	1
132	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1
133	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1
134	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1
135	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1
136	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1
137	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1
138	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1
139	1	1	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1
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143	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1
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179	2	2	1	1	2	2	1	1	2	2	2	1	2	1	1	2	2
180	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] Jenson
[TESTLAB] Standard-Tech Co., Ltd. Testing Center
[TESTDATE] 20 June 2019
[ISSUEDATE] 2019-06-20 15:53:06
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[MANUFAC] SHENZHEN ZENITH TECHNOLOGY CO.,LTD.
[LUMINAIRE] ZS-BL2*4-F49-30

FILE: CREATED USING ABSOLUTE PHOTOMETRY
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

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Reported data calculated from manufacturer's data file, based on IES recommended methods.