

Photometrics Pro

Luminaire Photometric Report

Filename: **FL06E-50W-120V-3000K**

Lamp Output: 1 lamp, rated Lumens/lamp: 6553.3

Max Candela: 2,256.3 at Horizontal: 195°, Vertical: 15.5°

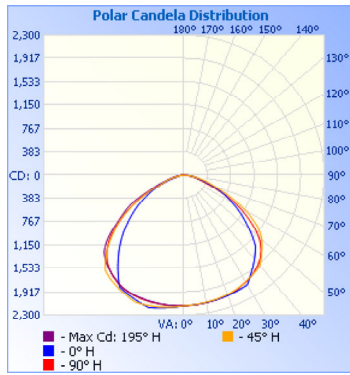
Input Wattage: 49.9313

Luminous Opening: Point

Test Date: 2022-09-20

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	28.3
Max Cd, 80 to <90 Deg:	222.7
Lumens % Lamp	
Downward Street Side:	3,376.6 51.5%
Downward House Side:	3,176.8 48.5%
Downward Total:	6,553.4 100%
Total Lumens:	6,553.4 100%

Flood Summary

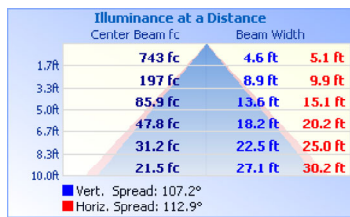
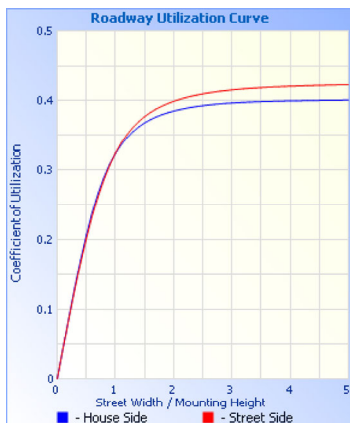
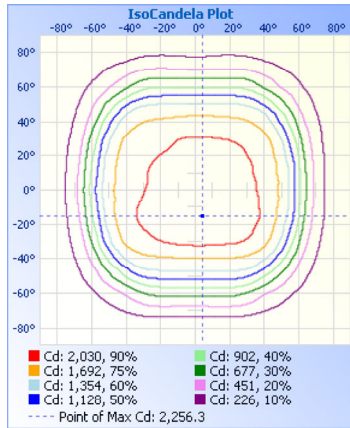
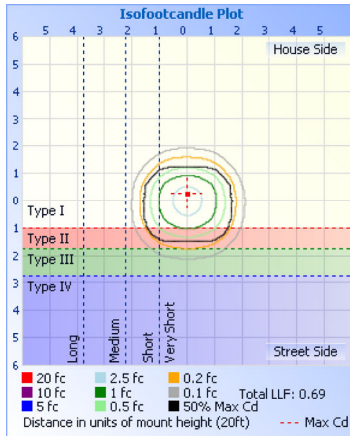
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.7%	6,405.2	149	151
Beam (50%):	80.1%	5,249.4	112.9	107.2
Total:	100%	6,550.9		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,796.8	27.4%	27.4%
0-40	3,049.6	46.5%	46.5%
0-60	5,510.4	84.1%	84.1%
60-90	1,043.1	15.9%	15.9%
0-90	6,553.5	100%	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	205.9	3.1%
10-20	611.5	9.3%
20-30	979.4	14.9%
30-40	1,252.8	19.1%
40-50	1,334.4	20.4%
50-60	1,126.4	17.2%
60-70	683.1	10.4%
70-80	283.8	4.3%
80-90	76.2	1.2%



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	0	50	30	20	0	50	30	20	0	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				1.00
1	1.10	1.05	1.01	.98	1.07	1.03	.99	.86	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85				
2	1.00	.92	.86	.80	.97	.90	.84	.73	.87	.82	.77	.84	.79	.76	.81	.77	.74	.72				
3	.91	.81	.73	.67	.89	.80	.72	.63	.77	.70	.65	.74	.69	.64	.71	.67	.63	.61				
4	.84	.72	.63	.57	.81	.71	.63	.54	.68	.61	.56	.66	.60	.55	.64	.59	.54	.52				
5	.77	.64	.56	.49	.75	.63	.55	.47	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45				
6	.71	.58	.49	.43	.69	.57	.49	.41	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39				
7	.66	.52	.44	.38	.64	.52	.43	.36	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35				
8	.61	.48	.39	.33	.60	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31				
9	.57	.44	.35	.30	.56	.43	.35	.29	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28				
10	.53	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25				

Candela Table - Type C

Table with 18 columns (0-18) and 39 rows (0-39). Each cell contains a numerical value representing candela measurements at various angles.

40	1800	1802	1802	1803	1811	1825	1844	1868	1901	1936	1944	1935	1931	1934	1919	1913	1903	1884	1902	1902	1937	1967	1987	1994	1987	1985	1990	1968	1899	1839	1786	1745	1718	1692	1674	1664	1663	167
40.5	1786	1787	1789	1790	1798	1812	1832	1856	1888	1924	1940	1930	1924	1928	1911	1904	1893	1874	1892	1891	1929	1957	1976	1986	1977	1978	1985	1948	1880	1818	1766	1724	1697	1670	1652	1642	1640	164
41	1773	1773	1775	1777	1785	1800	1820	1844	1874	1912	1935	1925	1917	1919	1904	1894	1884	1864	1881	1880	1920	1947	1965	1976	1967	1972	1980	1927	1860	1798	1746	1704	1676	1649	1629	1619	1618	161
41.5	1759	1759	1761	1764	1772	1787	1808	1832	1861	1899	1931	1920	1909	1909	1895	1883	1874	1853	1872	1869	1910	1937	1954	1966	1956	1966	1974	1907	1840	1779	1726	1683	1656	1626	1606	1596	1595	161
42	1745	1745	1747	1751	1760	1775	1795	1820	1848	1885	1926	1914	1900	1898	1886	1872	1864	1842	1862	1857	1900	1925	1943	1954	1946	1959	1966	1887	1819	1759	1706	1663	1632	1604	1584	1574	1572	158
42.5	1731	1731	1733	1737	1747	1762	1783	1808	1836	1872	1912	1909	1891	1888	1876	1861	1854	1828	1851	1843	1889	1913	1932	1941	1935	1952	1944	1866	1798	1739	1686	1642	1610	1581	1561	1551	1550	155
43	1717	1717	1719	1724	1734	1749	1770	1796	1824	1858	1899	1904	1881	1878	1866	1849	1844	1814	1840	1828	1878	1900	1920	1927	1923	1946	1922	1846	1779	1720	1666	1622	1588	1558	1538	1529	1527	153
43.5	1703	1703	1705	1710	1720	1736	1758	1784	1812	1843	1885	1898	1873	1866	1855	1837	1833	1804	1826	1814	1865	1886	1907	1912	1914	1938	1900	1825	1759	1700	1647	1601	1566	1536	1516	1506	1505	151
44	1689	1689	1691	1697	1708	1723	1746	1771	1800	1829	1870	1892	1865	1856	1845	1825	1822	1786	1811	1800	1853	1872	1894	1896	1905	1930	1878	1803	1739	1680	1627	1580	1544	1513	1493	1484	1482	148
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45.5	1636	1638	1648	1656	1668	1685	1707	1735	1763	1789	1822	1868	1841	1815	1810	1781	1783	1739	1772	1749	1811	1823	1850	1847	1872	1894	1809	1739	1679	1622	1566	1518	1478	1446	1426	1415	1413	142
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46.5	1586	1588	1598	1618	1641	1660	1682	1709	1738	1764	1789	1832	1823	1784	1786	1749	1750	1704	1738	1712	1775	1785	1819	1810	1849	1841	1759	1697	1640	1581	1526	1476	1434	1401	1379	1368	1365	137
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49.5	1436	1439	1450	1470	1500	1543	1595	1631	1656	1681	1692	1706	1752	1693	1668	1643	1631	1586	1627	1588	1640	1653	1676	1694	1755	1663	1610	1562	1504	1447	1392	1334	1294	1260	1236	1224	1222	123
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51.5	1336	1339	1351	1371	1403	1446	1498	1558	1596	1614	1625	1616	1642	1626	1586	1556	1528	1489	1532	1486	1527	1554	1555	1616	1607	1537	1511	1465	1417	1364	1303	1247	1200	1165	1142	1129	1126	113
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55.5	1136	1139	1150	1171	1204	1248	1299	1356	1405	1442	1444	1442	1398	1418	1350	1341	1282	1265	1304	1254	1261	1313	1310	1363	1299	1297	1254	1233	1206	1161	1107	1056	1012	977	951	938	935	94
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56.5	1086	1089	1101	1122	1155	1198	1248	1300	1350	1383	1388	1383	1344	1342	1301	1270	1213	1205	1242	1195	1191	1238	1257	1274	1234	1221	1181	1174	1150	1105	1056	1008	964	929	904	890	888	88
57	1060	1064	1076	1097	1130	1174	1223	1273	1322	1353	1360	1350	1318	1302	1276	1234	1179	1176	1211	1165	1158	1200	1230	1230	1201	1181	1144	1144	1122	1077	1							

81.5	167	169	174	180	185	190	190	185	176	164	150	134	130	129	118	121	112	111	108	103	95	90	82	83	79	75	81	87	93	99	102	100	96	91	86	82	81	8	
82	159	160	165	170	175	179	179	175	166	155	141	127	117	117	111	109	103	96	99	89	86	80	75	73	69	71	77	82	88	93	96	94	90	86	81	77	76	7	
82.5	151	152	156	161	164	168	168	164	156	146	133	120	106	105	103	97	90	82	90	76	74	71	68	64	60	67	72	77	82	87	90	88	85	80	76	73	72	7	
83	143	143	147	151	153	157	157	153	146	137	125	112	100	94	95	85	77	70	81	64	62	61	61	55	57	63	68	73	77	82	84	83	79	75	71	68	67	6	
83.5	134	135	138	141	143	146	146	142	135	127	117	105	93	82	84	77	72	67	73	60	57	54	52	46	53	59	64	67	71	76	78	77	74	70	66	63	62	6	
84	126	126	129	131	132	135	135	131	125	117	108	98	87	76	74	71	68	64	64	58	52	48	44	42	50	55	59	62	66	70	72	71	69	65	62	59	58	5	
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85	110	109	110	111	111	113	112	109	104	97	90	82	74	65	55	56	49	38	48	33	36	35	29	36	42	46	49	52	55	58	60	60	58	55	52	50	49	5	
85.5	101	101	101	102	100	102	101	98	93	88	80	73	67	60	51	45	39	37	40	31	28	27	27	33	38	41	44	47	49	53	54	54	52	50	47	45	44	4	
86	93	93	92	92	89	91	90	87	83	78	71	65	59	53	46	35	35	31	33	26	24	19	25	30	34	37	39	42	44	47	49	48	47	44	42	40	39	4	
86.5	85	84	83	82	79	80	79	77	72	68	62	57	52	47	42	32	29	18	26	14	19	17	23	26	30	32	34	36	39	41	43	43	41	39	37	35	35	3	
87	76	76	74	72	68	69	68	66	63	59	53	48	44	40	36	29	19	18	19	14	11	15	19	22	26	28	30	32	34	36	37	37	36	34	32	31	30	3	
87.5	68	67	65	62	58	58	58	56	53	49	45	41	36	33	30	25	13	10	13	8	6	14	16	19	21	23	25	27	28	30	31	31	30	29	27	26	26	2	
88	60	59	56	53	47	47	47	45	43	40	37	33	30	27	24	20	12	7	7	5	6	11	13	15	18	19	21	22	23	25	26	26	25	24	22	21	21	2	
88.5	52	50	47	43	37	36	36	35	33	31	28	26	23	21	18	15	10	4	5	3	5	8	10	12	14	15	16	17	18	19	20	20	19	18	17	17	16	1	
89	43	42	38	33	26	25	25	24	23	22	20	18	16	15	13	11	7	3	2	2	4	6	8	9	10	11	12	12	13	14	14	14	14	13	13	12	12	1	
89.5	35	33	29	23	16	14	14	14	13	13	12	11	10	9	8	7	5	3	2	2	3	4	5	6	6	7	7	8	8	8	9	8	8	8	8	8	7	7	
90	27	25	20	13	5	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

Luminaire Report Summary

IESNA: LM-63-2002
[TEST]
[TESTLAB]
[TESTDATE] 2022-09-20
[ISSUEDATE] 2022-09-20 23:01:24
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000A_V1 SYSTEM
[MANUFAC]
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 73
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.