

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: BLP-24-50-MVD-840

Manufacturer: Globalux

Luminaire: GPBP-C1-A24-50-835-L24-B6D

Lamp Output: 1 lamp, rated Lumens/lamp: 5239.9

Max Candela: 1,778.9 at Horizontal: 45°, Vertical: 1°

Input Wattage: 49.72

Luminous Opening: Point

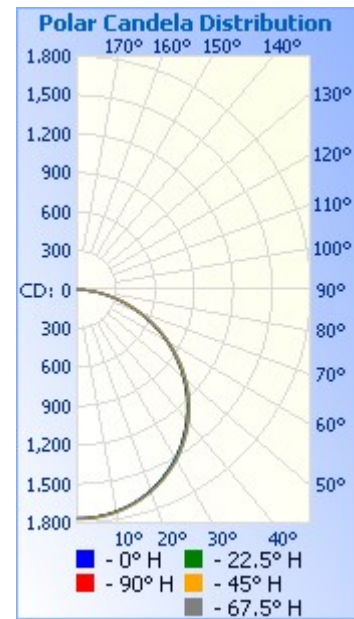
Test Lab: Belling Test Laboratory Co., LTD

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

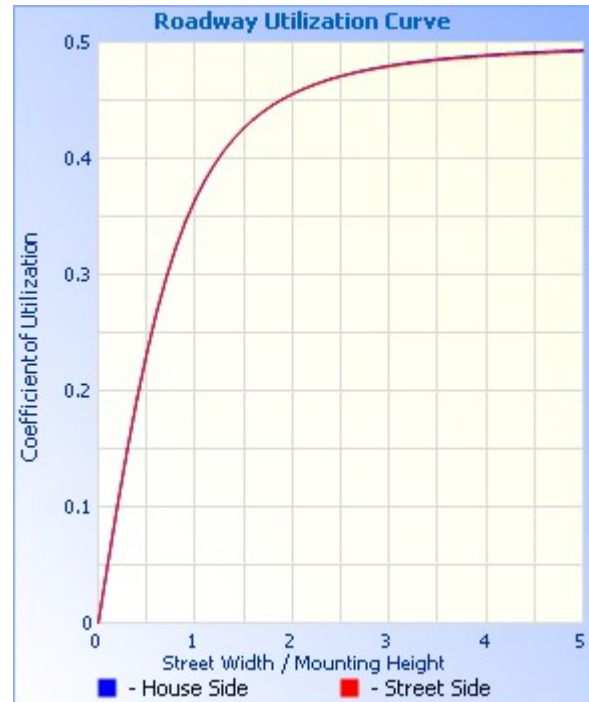


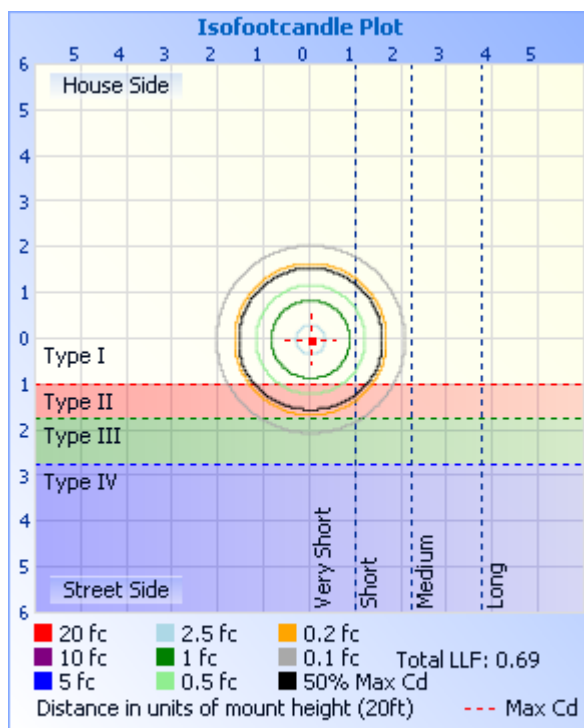
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,385.4	26.4%	26.4%
0-40	2,278.6	43.5%	43.5%
0-60	4,063.7	77.6%	77.6%
60-90	1,159.5	22.1%	22.1%
70-100	507.6	9.7%	9.7%
90-120	6.9	0.1%	0.1%
0-90	5,223.2	99.7%	99.7%
90-180	16.2	0.3%	0.3%
0-180	5,239.4	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	167.9	3.2%	90-100	3.0	0.1%
10-20	482.3	9.2%	100-110	1.9	0%
20-30	735.2	14.0%	110-120	1.9	0%
30-40	893.2	17.0%	120-130	2.0	0%
40-50	934.3	17.8%	130-140	2.1	0%
50-60	850.8	16.2%	140-150	2.0	0%
60-70	655.0	12.5%	150-160	1.7	0%
70-80	386.6	7.4%	160-170	1.1	0%
80-90	118.0	2.3%	170-180	0.4	0%





Illuminance at a Distance

Distance (ft)	Center Beam Fc	Beam Width
17.0ft	6.13 fc	52.5 ft
34.0ft	1.53 fc	105.0 ft
51.0ft	0.68 fc	157.6 ft
68.0ft	0.38 fc	210.1 ft
85.0ft	0.25 fc	262.6 ft
102.0ft	0.17 fc	315.1 ft

Vert. Spread: 114.2°
Horiz. Spread: 114.8°

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	1.03	.99	.95	1.06	1.01	.97	.84	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83			
2	.98	.90	.83	.77	.96	.88	.82	.70	.84	.79	.74	.81	.76	.73	.78	.74	.71	.69			
3	.90	.79	.70	.64	.87	.77	.69	.59	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58			
4	.82	.70	.61	.54	.80	.68	.60	.51	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49			
5	.75	.62	.53	.46	.73	.61	.52	.44	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42			
6	.69	.56	.47	.40	.67	.55	.46	.39	.53	.45	.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	.32			
8	.60	.46	.38	.32	.58	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29			
9	.56	.42	.34	.28	.54	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26			
10	.52	.39	.31	.26	.51	.38	.31	.25	.37	.30	.26	.36	.30	.25	.36	.30	.25	.23			

Photometrics Pro - Evaluation Version

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	1772	1774	1779	1776	1773	1770	1769	1770	1772	1774	1779	1776	1773	1770	1769	1770	1772
1	1772	1773	1779	1777	1773	1771	1769	1770	1772	1774	1779	1776	1773	1770	1768	1770	1772
2	1772	1772	1777	1775	1771	1770	1768	1770	1771	1774	1777	1773	1772	1768	1767	1769	1772
3	1770	1771	1776	1774	1770	1769	1766	1769	1770	1772	1776	1772	1770	1767	1766	1767	1770
4	1768	1769	1775	1773	1768	1767	1765	1767	1768	1770	1774	1770	1769	1766	1763	1765	1768
5	1765	1766	1773	1769	1765	1764	1763	1764	1766	1767	1771	1766	1767	1762	1760	1762	1765
6	1762	1763	1770	1767	1763	1762	1759	1761	1762	1765	1768	1764	1763	1759	1757	1759	1762
7	1759	1760	1766	1763	1759	1758	1755	1758	1759	1761	1764	1760	1760	1756	1754	1755	1759
8	1753	1756	1762	1759	1755	1753	1750	1754	1756	1756	1760	1756	1754	1752	1748	1751	1753
9	1748	1751	1758	1754	1750	1748	1746	1747	1751	1751	1755	1751	1749	1747	1743	1745	1748
10	1742	1745	1753	1749	1745	1744	1741	1742	1746	1746	1750	1744	1744	1742	1737	1740	1742
11	1737	1740	1745	1742	1739	1738	1736	1736	1740	1740	1744	1739	1738	1736	1732	1733	1737
12	1730	1732	1738	1737	1732	1731	1729	1729	1733	1733	1737	1733	1732	1729	1725	1727	1730
13	1723	1724	1731	1731	1726	1725	1722	1723	1726	1726	1730	1726	1725	1722	1718	1720	1723
14	1715	1716	1724	1723	1717	1717	1715	1715	1718	1719	1722	1718	1717	1713	1710	1712	1715
15	1706	1708	1716	1715	1709	1708	1707	1707	1709	1709	1714	1709	1709	1705	1701	1704	1706
16	1697	1699	1707	1706	1701	1700	1698	1698	1700	1700	1705	1700	1700	1696	1693	1694	1697
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24	1603	1607	1617	1618	1610	1611	1608	1608	1609	1610	1612	1608	1611	1606	1601	1599	1603
25	1588	1593	1603	1605	1595	1598	1594	1594	1596	1597	1599	1594	1598	1591	1587	1585	1588
26	1574	1579	1588	1590	1581	1584	1580	1580	1581	1583	1585	1580	1584	1578	1573	1573	1574
27	1559	1564	1574	1575	1567	1567	1565	1566	1566	1565	1571	1566	1569	1563	1558	1558	1559
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32	1476	1482	1491	1496	1486	1487	1485	1484	1485	1484	1487	1484	1487	1481	1474	1473	1476
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34	1440	1444	1455	1459	1450	1450	1448	1448	1446	1447	1451	1448	1452	1444	1438	1436	1440
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36	1399	1405	1416	1421	1412	1412	1411	1409	1408	1408	1411	1408	1412	1406	1400	1398	1399
37	1379	1386	1395	1402	1393	1393	1391	1390	1389	1389	1391	1388	1393	1386	1379	1379	1379
38	1359	1364	1374	1381	1371	1374	1369	1370	1367	1369	1371	1368	1372	1366	1359	1358	1359
39	1338	1345	1354	1360	1350	1351	1348	1350	1346	1347	1351	1348	1352	1343	1338	1335	1338
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42	1270	1276	1289	1296	1286	1287	1284	1283	1282	1282	1285	1281	1285	1278	1272	1270	1270
43	1246	1253	1266	1273	1264	1265	1262	1259	1259	1260	1262	1258	1263	1255	1249	1248	1246
44	1224	1231	1243	1250	1240	1242	1239	1237	1236	1238	1239	1236	1240	1231	1226	1225	1224

45	1200	1207	1217	1224	1216	1216	1215	1214	1211	1212	1216	1214	1217	1209	1203	1201	1200
46	1177	1184	1194	1201	1192	1192	1191	1190	1187	1188	1192	1187	1193	1184	1179	1175	1177
47	1151	1158	1170	1177	1168	1169	1167	1165	1163	1164	1165	1163	1166	1160	1152	1150	1151
48	1125	1133	1145	1153	1144	1144	1144	1140	1139	1139	1141	1138	1141	1135	1128	1126	1125
49	1101	1108	1120	1127	1116	1119	1115	1116	1111	1115	1116	1114	1116	1111	1103	1101	1101
50	1075	1083	1091	1099	1093	1094	1090	1090	1086	1090	1090	1089	1090	1085	1077	1076	1075
51	1049	1054	1065	1074	1064	1067	1064	1065	1060	1062	1065	1060	1065	1056	1051	1048	1049
52	1023	1027	1039	1047	1038	1040	1038	1036	1034	1035	1038	1034	1039	1030	1025	1022	1023
53	994	1001	1012	1021	1012	1014	1012	1010	1008	1009	1010	1007	1010	1004	997	995	994
54	967	974	985	994	985	987	985	984	981	982	983	980	983	977	970	969	967
55	940	947	958	967	956	961	959	956	954	956	956	953	956	950	943	941	940
56	912	920	928	938	928	930	929	930	925	925	928	926	929	920	916	911	912
57	885	889	900	910	901	903	901	899	898	898	898	896	901	892	885	883	885
58	855	861	872	882	872	875	873	871	870	870	870	869	870	865	857	854	855
59	827	833	844	854	844	847	845	843	841	842	842	840	842	836	829	826	827
60	798	804	815	822	813	819	817	814	813	813	813	811	814	808	800	798	798
61	769	775	784	793	784	787	786	786	781	782	784	782	784	779	771	769	769
62	740	744	754	764	756	759	757	756	753	753	755	753	755	747	742	737	740
63	708	715	725	735	727	730	729	726	724	724	723	721	723	718	710	708	708
64	678	685	696	705	699	701	700	696	695	695	694	692	693	688	681	679	678
65	649	656	667	674	667	672	671	667	666	666	665	663	664	659	652	649	649
66	620	624	634	644	637	640	638	638	634	634	635	634	634	626	622	617	620
67	591	594	604	614	607	611	609	606	605	604	603	601	604	597	590	588	591
68	559	565	575	584	577	581	580	576	575	575	573	571	572	568	560	558	559
69	530	535	545	552	548	552	550	547	546	546	544	542	542	538	531	528	530
70	500	505	515	522	516	522	521	518	517	516	514	512	512	508	501	499	500
71	470	476	483	493	487	490	492	489	485	484	485	482	483	478	472	467	470
72	439	445	455	464	458	461	460	460	456	455	456	453	451	446	440	438	439
73	410	416	426	432	429	432	432	429	427	426	424	421	422	417	411	409	410
74	381	387	397	403	401	404	404	400	399	398	395	393	393	388	382	380	381
75	353	359	366	374	370	374	376	373	368	367	367	364	364	360	354	352	353
76	324	328	338	346	342	346	345	342	340	339	339	336	336	329	323	321	324
77	294	301	310	319	315	318	318	315	313	312	309	306	305	301	296	294	294
78	268	273	283	289	288	291	291	288	286	285	281	278	278	274	269	267	268
79	241	246	256	262	261	265	264	261	260	258	254	251	251	248	242	241	241
80	215	220	227	235	232	239	238	235	233	232	228	225	225	221	216	214	215
81	190	193	202	210	208	211	210	208	206	205	204	200	200	193	188	187	190
82	163	168	177	185	183	186	186	183	182	179	176	172	172	168	164	162	163
83	139	144	152	158	159	162	162	160	158	155	152	148	148	144	140	139	139
84	116	121	127	135	133	136	138	137	132	132	129	125	124	121	117	116	116
85	94	97	104	111	109	113	113	114	110	107	105	102	101	96	92	91	94
86	71	76	82	89	87	90	91	89	88	86	81	77	77	73	70	70	71
87	52	56	61	64	65	68	69	68	67	65	61	56	55	52	50	50	52
88	35	38	42	44	44	47	48	49	48	46	41	37	35	33	31	33	35
89	21	23	24	26	23	27	30	32	32	30	25	20	18	16	17	18	21
90	12	12	13	13	9	12	16	17	18	17	13	10	6	6	7	9	12
91	6	6	5	4	3	4	7	8	9	8	6	4	2	2	3	5	6
92	3	3	2	2	2	2	2	4	5	4	3	3	1	2	2	2	3
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96	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
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101	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
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110	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
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114	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
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116	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
117	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2
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119	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
120	2	2	2	3	1	2	2	2	2	2	2	2	2	2	2	2	2
121	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
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139	3	3	3	4	2	2	3	3	3	3	3	3	3	3	3	3	3
140	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
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144	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	4	3
145	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	4
146	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	4	4
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159	4	4	4	4	3	3	4	4	4	4	4	4	3	4	4	4	4
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176	5	4	4	5	4	4	4	5	5	5	5	5	4	4	4	4	5
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178	5	5	4	5	4	4	4	5	5	5	4	5	4	4	4	5	5
179	5	5	4	5	4	4	4	5	5	5	5	5	4	4	4	4	5
180	5	5	5	5	4	4	4	4	5	4	5	5	4	4	5	5	5

Photometrics Pro - Evaluation Version**Luminaire Report Summary**

IESNA:LM-63-1995
[TEST]
[ISSUEDATE] 2019/9/3 12:38
[MANUFAC] Globalux
[LUMCAT]
[LUMINAIRE] GPBP-C1-A24-50-835-L24-B6D
[LAMPCAT]
[LAMP]
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 15.984 m [K=1.0000]
[_TESTTEMPERATURE] 26.1 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]
[BALLAST]
[BALLASTCAT]
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.