

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: BLP-22-40-MVD-840

Manufacturer: Globalux

Luminaire: GPBP-C1-A22-40-835-L12-Z6D

Lamp Output: 1 lamp, rated Lumens/lamp: 4072.1

Max Candela: 1,388.7 at Horizontal: 247.5°, Vertical: 1°

Input Wattage: 38.7

Luminous Opening: Point

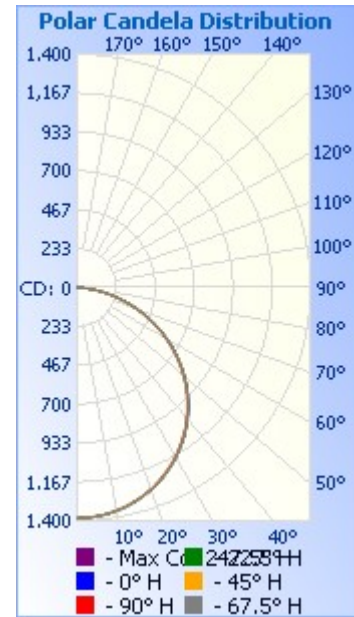
Test Lab: Belling Test Laboratory Co., LTD

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

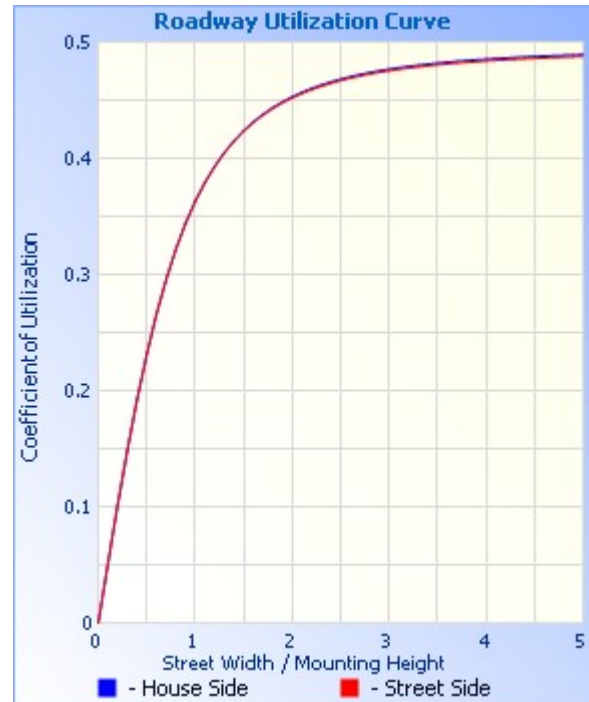


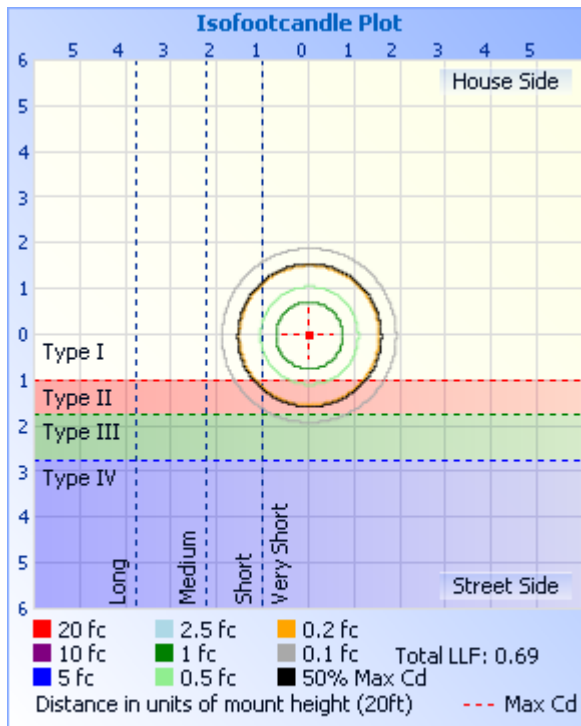
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,083.3	26.6%	26.6%
0-40	1,780.4	43.7%	43.7%
0-60	3,171.7	77.9%	77.9%
60-90	885.0	21.7%	21.7%
70-100	378.8	9.3%	9.3%
90-120	5.9	0.1%	0.1%
0-90	4,056.7	99.6%	99.6%
90-180	15.1	0.4%	0.4%
0-180	4,071.7	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	131.4	3.2%	90-100	2.2	0.1%
10-20	377.3	9.3%	100-110	1.9	0%
20-30	574.6	14.1%	110-120	1.9	0%
30-40	697.1	17.1%	120-130	1.9	0%
40-50	728.4	17.9%	130-140	2.0	0%
50-60	662.8	16.3%	140-150	2.0	0%
60-70	508.3	12.5%	150-160	1.7	0%
70-80	294.3	7.2%	160-170	1.1	0%
80-90	82.3	2.0%	170-180	0.4	0%





Illuminance at a Distance

Center Beam Fc	Beam Width
4.80 fc	52.8 ft 52.5 ft
1.20 fc	105.5 ft 105.0 ft
0.53 fc	158.3 ft 157.5 ft
0.30 fc	211.1 ft 210.1 ft
0.19 fc	263.8 ft 262.6 ft
0.13 fc	316.6 ft 315.1 ft

Vert. Spread: 114.4°
Horiz. Spread: 114.2°

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	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	.85	.79	.75	.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	.70	.56	.47	.40	.68	.55	.47	.39	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37			
7	.64	.51	.42	.36	.63	.50	.42	.35	.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	.31	.26	.37	.30	.26	.36	.30	.25	.24			

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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	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388	1388
1	1387	1388	1388	1389	1387	1387	1388	1388	1388	1388	1388	1389	1388	1388	1388	1388	1387
2	1388	1387	1387	1388	1387	1387	1387	1388	1387	1388	1388	1388	1387	1388	1387	1388	1388
3	1387	1386	1386	1386	1385	1386	1386	1386	1386	1387	1386	1387	1386	1387	1386	1387	1387
4	1385	1383	1385	1385	1384	1384	1385	1386	1385	1385	1385	1386	1385	1386	1384	1386	1385
5	1382	1382	1383	1382	1381	1382	1381	1383	1382	1384	1383	1384	1383	1384	1383	1384	1382
6	1379	1380	1379	1380	1378	1379	1379	1381	1380	1381	1381	1381	1381	1381	1380	1381	1379
7	1377	1376	1377	1377	1375	1376	1376	1378	1377	1378	1378	1378	1378	1379	1377	1378	1377
8	1374	1373	1373	1373	1371	1371	1373	1375	1374	1374	1375	1374	1375	1375	1374	1375	1374
9	1370	1369	1368	1369	1367	1368	1369	1371	1370	1371	1371	1371	1371	1370	1370	1370	1370
10	1365	1364	1364	1365	1362	1363	1364	1366	1366	1366	1367	1366	1367	1367	1367	1365	1365
11	1359	1360	1359	1360	1356	1358	1360	1362	1361	1361	1362	1361	1363	1362	1362	1362	1359
12	1354	1354	1354	1354	1351	1354	1354	1355	1356	1357	1357	1356	1358	1357	1356	1356	1354
13	1348	1349	1348	1348	1345	1347	1349	1350	1351	1351	1352	1351	1352	1352	1351	1351	1348
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18	1313	1312	1311	1312	1309	1311	1314	1315	1315	1316	1317	1316	1317	1318	1315	1315	1313
19	1305	1304	1303	1304	1300	1302	1305	1307	1306	1308	1309	1308	1310	1309	1307	1307	1305
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22	1277	1277	1276	1276	1271	1274	1277	1280	1279	1280	1281	1280	1282	1282	1281	1280	1277
23	1267	1267	1265	1265	1261	1265	1268	1270	1270	1271	1271	1271	1273	1272	1270	1270	1267
24	1256	1256	1254	1255	1250	1254	1255	1259	1259	1260	1260	1259	1262	1262	1259	1259	1256
25	1246	1245	1243	1243	1239	1242	1244	1248	1248	1249	1249	1249	1252	1251	1248	1248	1246
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28	1210	1208	1208	1206	1203	1207	1209	1214	1213	1216	1215	1214	1215	1216	1214	1212	1210
29	1197	1195	1194	1194	1190	1195	1197	1201	1199	1202	1202	1201	1203	1204	1202	1200	1197
30	1185	1183	1181	1181	1177	1182	1184	1188	1187	1190	1190	1189	1190	1190	1188	1187	1185
31	1170	1170	1168	1168	1164	1167	1170	1173	1174	1175	1175	1175	1178	1177	1174	1173	1170
32	1156	1155	1154	1154	1149	1153	1156	1159	1160	1162	1161	1161	1164	1164	1161	1160	1156
33	1142	1142	1140	1140	1135	1140	1143	1145	1146	1148	1147	1147	1149	1150	1147	1146	1142
34	1128	1127	1126	1125	1120	1125	1128	1131	1132	1134	1133	1132	1135	1136	1133	1132	1128
35	1113	1112	1111	1110	1105	1110	1113	1116	1117	1118	1118	1117	1120	1121	1118	1117	1113
36	1099	1097	1094	1094	1090	1095	1097	1101	1101	1103	1103	1102	1106	1106	1104	1100	1099
37	1081	1081	1078	1078	1074	1079	1081	1083	1085	1088	1088	1087	1090	1089	1086	1084	1081
38	1065	1064	1062	1062	1059	1062	1065	1068	1070	1073	1071	1070	1075	1073	1071	1069	1065
39	1049	1049	1046	1046	1042	1046	1049	1052	1053	1057	1055	1053	1057	1058	1055	1052	1049
40	1032	1030	1030	1029	1023	1029	1032	1035	1037	1040	1038	1037	1040	1041	1038	1036	1032
41	1015	1014	1011	1011	1006	1012	1013	1018	1019	1022	1021	1019	1024	1024	1021	1019	1015
42	998	996	994	993	989	995	996	1001	1002	1004	1004	1002	1006	1007	1004	1000	998
43	980	978	976	976	971	976	979	981	984	986	986	985	989	988	987	983	980
44	962	960	958	957	953	958	961	964	966	969	968	966	971	970	967	964	962

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46	925	924	922	920	915	920	924	927	929	933	931	930	933	934	931	928	925
47	906	903	900	899	896	902	904	907	909	913	912	911	914	915	912	907	906
48	887	884	881	880	876	880	884	888	889	893	891	889	895	894	893	888	887
49	865	865	861	860	857	860	865	868	870	874	872	870	876	874	872	869	865
50	845	844	841	840	837	840	845	847	850	854	852	850	856	854	852	848	845
51	825	824	821	820	814	820	825	828	830	832	832	830	834	834	832	828	825
52	804	802	801	800	794	800	805	807	810	811	811	810	813	814	812	808	804
53	783	781	778	779	773	779	782	786	787	791	791	789	793	793	791	788	783
54	760	760	757	757	752	758	760	764	766	769	770	768	772	770	769	765	760
55	739	739	736	735	731	735	740	743	746	749	747	745	751	749	747	743	739
56	718	717	715	714	709	713	718	721	724	728	726	724	727	728	726	722	718
57	696	693	693	692	685	692	695	700	702	704	705	703	706	706	704	700	696
58	675	671	669	670	663	670	673	676	678	681	683	680	684	684	682	678	675
59	650	649	646	646	641	645	651	654	656	660	658	658	662	660	657	655	650
60	628	626	624	623	619	623	628	631	634	637	636	634	640	638	635	633	628
61	605	604	601	601	596	600	605	609	611	614	613	612	617	615	613	610	605
62	583	581	579	577	573	577	583	586	588	591	591	589	592	592	590	587	583
63	560	556	553	552	548	554	558	563	565	567	568	567	570	570	567	562	560
64	537	533	530	530	525	531	535	538	540	544	545	543	547	544	544	539	537
65	511	510	507	507	502	506	512	515	517	520	520	518	524	521	519	516	511
66	489	486	484	484	479	482	489	492	494	498	497	495	498	498	496	493	489
67	465	461	460	460	453	459	465	468	470	472	473	471	475	474	473	470	465
68	442	437	435	434	430	436	439	443	445	448	449	448	451	451	449	444	442
69	416	414	411	411	407	412	416	419	422	425	424	425	428	426	423	420	416
70	393	390	388	388	383	387	392	396	398	401	400	399	404	402	400	397	393
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76	254	252	248	248	245	248	253	257	259	260	260	259	262	262	260	257	254
77	231	228	225	226	221	226	229	235	235	238	238	237	240	240	238	235	231
78	207	206	203	203	199	205	207	211	213	216	216	215	218	216	216	211	207
79	186	185	182	182	178	183	186	189	192	194	193	194	197	195	193	190	186
80	165	164	161	161	157	161	165	168	171	173	172	171	175	173	171	169	165
81	146	142	142	141	138	141	145	148	151	152	152	151	154	153	151	149	146
82	127	123	121	120	117	122	124	129	131	132	132	131	134	133	131	127	127
83	106	104	102	102	99	103	105	108	110	113	113	113	115	113	110	108	106
84	87	86	84	84	82	83	87	89	92	93	94	93	97	94	92	90	87
85	70	69	67	67	65	66	70	72	74	75	76	75	77	76	75	73	70
86	53	51	49	49	47	50	51	55	57	58	59	59	60	60	58	54	53
87	36	36	34	34	32	34	36	39	39	42	43	43	44	42	42	38	36
88	22	22	20	21	18	20	21	23	25	27	27	27	29	27	25	24	22
89	11	10	9	9	7	8	10	11	13	15	14	14	15	14	13	11	11
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105	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
106	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
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145	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	4
146	3	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3
147	4	4	4	4	3	3	3	3	3	3	3	4	3	3	3	3	4
148	3	4	4	4	3	3	3	3	3	3	3	4	3	3	3	4	3
149	4	4	4	4	2	3	3	3	4	3	3	4	3	4	4	4	4
150	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4
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153	4	4	4	4	3	3	3	4	4	4	4	4	3	4	4	4	4
154	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4
155	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
156	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4
157	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4
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159	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4
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174	4	5	4	4	4	4	4	4	4	5	5	5	4	4	4	4	4
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177	4	5	4	5	4	4	5	4	5	5	4	5	4	4	4	4	4
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179	4	5	4	4	4	4	4	4	5	5	5	5	4	4	4	4	4
180	4	5	5	5	4	4	4	5	5	5	5	5	4	4	4	4	4

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

IESNA:LM-63-1995
[TEST]
[ISSUEDATE] 2019/7/11 09:47
[MANUFAC] Globalux
[LUMCAT]
[LUMINAIRE] GPBP-C1-A22-40-835-L12-Z6D
[LAMPCAT]
[LAMP]
[TESTLAB] Belling Test Laboratory Co., LTD
[_TESTINST] GPM-3000
[_TESTDIST] 16.117 m
[_TESTTEMPERATURE] 26.9 '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.