

# Photometrics Pro

## Luminaire Photometric Report

- [Evaluation Version]

**Filename:** LSR-4-30-MVD-840

**Manufacturer:** Globalux Lighting

**Luminaire Cat:** LED Strip Retrofit Kit

**Lamp Output:** 1 lamp, rated Lumens/lamp: 4113

**Max Candela:** 1,199.0 at Horizontal: 270°, Vertical: 5°

**Input Wattage:** 31

**Luminous Opening:** Point

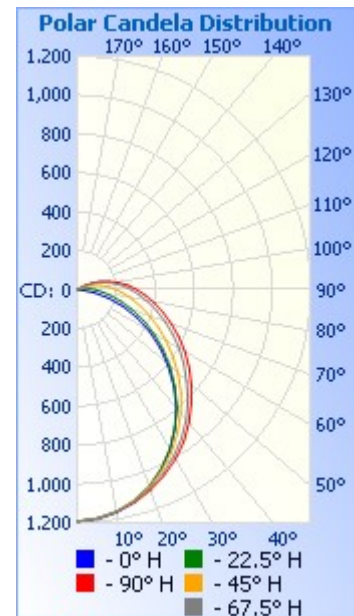
**Test:** RKS B190819010-10

**Test Lab:** Bacl

**Photometry :** Type C

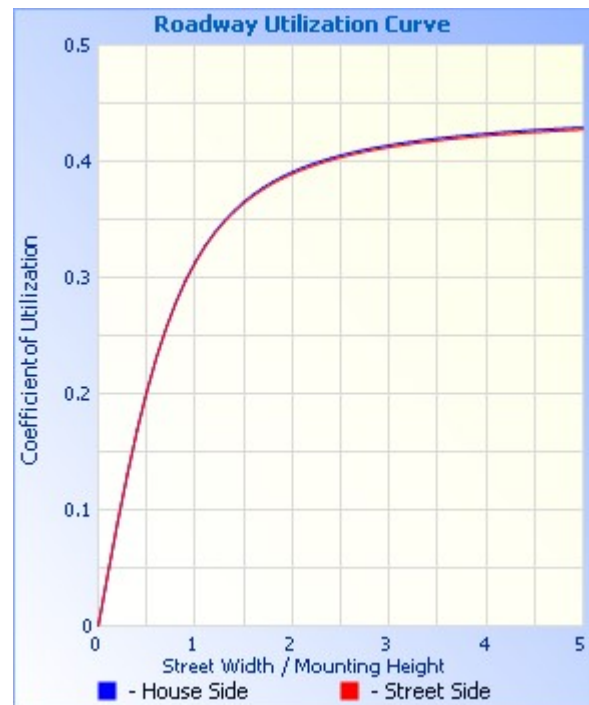
**CIE Class:** Direct

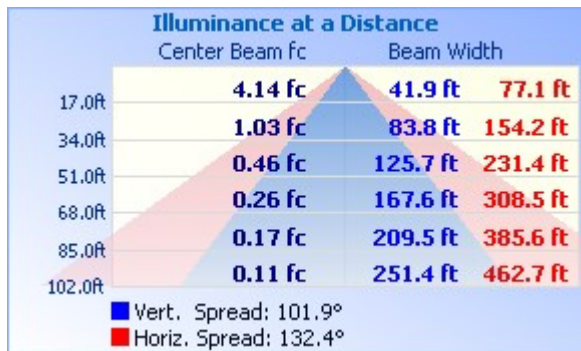
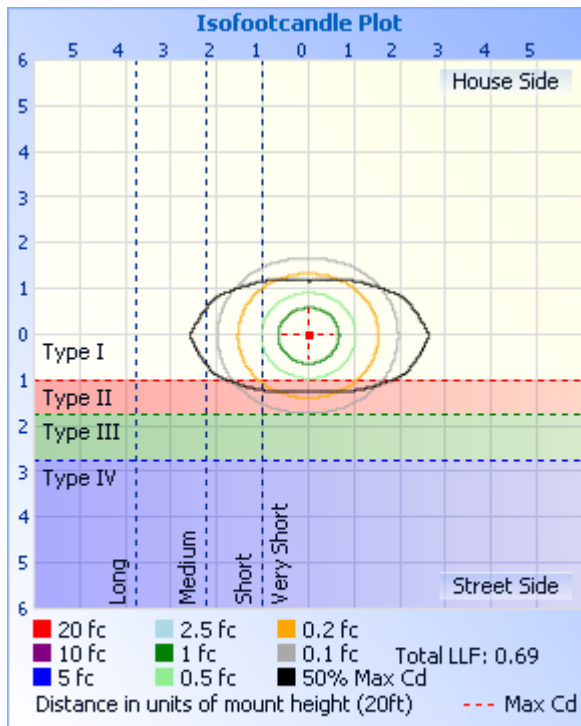
**Cutoff Class:** Noncutoff



Zone	Lumens	% Lamp	% Luminaire
0-30	920.1	22.4%	22.4%
0-40	1,501.9	36.5%	36.5%
0-60	2,671.8	65%	65%
60-90	1,107.3	26.9%	26.9%
70-100	806.4	19.6%	19.6%
90-120	320.4	7.8%	7.8%
0-90	3,779.1	91.9%	92%
90-180	330.7	8%	8%
0-180	4,109.8	99.9%	100%

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	112.9	2.7%	90-100	177.0	4.3%
10-20	322.2	7.8%	100-110	101.1	2.5%
20-30	485.0	11.8%	110-120	42.3	1%
30-40	581.8	14.2%	120-130	8.4	0.2%
40-50	605.4	14.7%	130-140	0.2	0%
50-60	564.5	13.7%	140-150	0.3	0%
60-70	477.9	11.6%	150-160	0.6	0%
70-80	367.6	8.9%	160-170	0.6	0%
80-90	261.7	6.4%	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	1.17	1.17	1.17	1.17	1.13	1.13	1.13	.92	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1	1.05	.99	.94	.89	1.01	.96	.91	.73	.90	.86	.83	.85	.82	.79	.80	.77	.75	.72
2	.94	.85	.78	.71	.91	.83	.76	.60	.78	.72	.67	.73	.68	.64	.69	.65	.61	.59
3	.86	.74	.66	.59	.82	.72	.64	.51	.68	.61	.55	.64	.58	.53	.60	.56	.51	.49
4	.78	.66	.56	.49	.75	.64	.55	.43	.60	.53	.47	.57	.50	.45	.54	.48	.44	.41
5	.72	.58	.49	.42	.69	.57	.48	.37	.54	.46	.40	.51	.44	.39	.48	.43	.38	.36
6	.66	.53	.43	.37	.64	.51	.42	.33	.48	.41	.35	.46	.39	.34	.44	.38	.33	.31
7	.61	.48	.39	.32	.59	.46	.38	.29	.44	.37	.31	.42	.35	.30	.40	.34	.29	.27
8	.57	.43	.35	.29	.55	.42	.34	.26	.40	.33	.28	.38	.32	.27	.37	.31	.26	.24
9	.53	.40	.31	.26	.52	.39	.31	.24	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10	.50	.37	.29	.23	.48	.36	.28	.21	.34	.27	.23	.33	.27	.22	.31	.26	.22	.20

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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	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196	1196
5	1190	1187	1185	1185	1185	1186	1186	1187	1188	1192	1196	1198	1199	1198	1195	1191	1190
10	1168	1164	1163	1164	1166	1166	1165	1165	1166	1174	1182	1188	1192	1188	1180	1173	1168
15	1133	1128	1129	1134	1138	1136	1132	1131	1129	1142	1157	1169	1176	1169	1154	1140	1133
20	1085	1080	1084	1094	1102	1098	1088	1084	1079	1098	1120	1141	1151	1140	1118	1095	1085
25	1024	1022	1031	1046	1059	1052	1035	1025	1019	1042	1073	1102	1117	1101	1069	1039	1024
30	955	953	970	994	1011	1001	974	958	948	976	1017	1056	1076	1056	1013	974	955
35	876	877	901	937	958	944	908	881	869	901	952	1003	1029	1003	949	900	876
40	795	799	830	874	896	881	837	797	785	821	882	945	976	946	881	820	795
45	705	712	757	806	831	811	765	713	694	737	808	880	913	882	808	734	705
50	613	626	679	736	768	746	688	627	602	651	734	810	847	812	734	649	613
55	521	541	602	671	705	680	612	542	510	564	656	740	783	744	657	563	521
60	429	458	530	607	641	613	540	459	418	477	577	674	719	678	582	479	429
65	339	377	461	543	578	549	472	378	327	398	506	608	654	612	512	399	339
70	249	300	398	481	516	488	408	301	238	316	440	542	588	547	447	320	249
75	166	233	340	424	459	431	349	236	154	245	378	481	525	484	386	251	166
80	91	175	289	372	405	376	296	178	82	186	321	424	466	426	330	193	91
85	32	128	244	323	355	326	250	131	25	136	272	370	411	374	280	144	32
90	0	92	203	278	308	280	208	95	0	100	230	322	360	325	237	109	0
95	0	60	164	236	264	237	167	62	0	69	192	277	312	280	198	78	0
100	0	29	124	190	214	191	126	31	0	40	152	234	265	237	159	49	0
105	0	4	85	147	167	147	86	5	0	14	114	187	215	191	120	21	0
110	0	0	48	104	123	104	49	0	0	0	77	144	170	147	83	1	0
115	0	0	16	64	81	64	16	0	0	0	41	101	124	104	48	0	0
120	0	0	0	29	43	29	0	0	0	0	11	63	83	66	16	0	0
125	0	0	0	0	11	0	0	0	0	0	0	28	45	30	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	13	2	0	0	0
135	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
145	0	0	1	1	1	1	1	0	0	0	0	1	0	1	1	1	0
150	0	1	2	2	1	1	1	1	0	0	1	1	0	2	1	1	0
155	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	1	1
160	1	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	1
165	2	2	2	2	2	2	2	2	1	2	2	2	2	3	2	2	2
170	2	2	2	2	3	3	2	3	2	2	2	2	3	3	2	3	2
175	2	3	3	3	2	3	3	3	2	2	3	3	3	2	3	3	2
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

IESNA:LM-63-2002  
[TEST] RKS190819010-10  
[ISSUEDATE] 2019-9-5 15:30  
[MANUFAC] Globalux Lighting  
[LUMCAT] LED Strip Retrofit Kit  
[LUMINAIRE]  
[LAMPCAT]  
[LAMP]  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 0.259 A  
[\_POWERFACTOR] 0.995  
[TESTLAB] Bacl  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.073 m  
[\_TESTTEMPERATURE] 24.9 'C  
[\_TESTHUMIDITY] 48  
[\_TESTOPERATOR] KOBE  
[BALLAST]  
[BALLASTCAT]  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 37, 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.