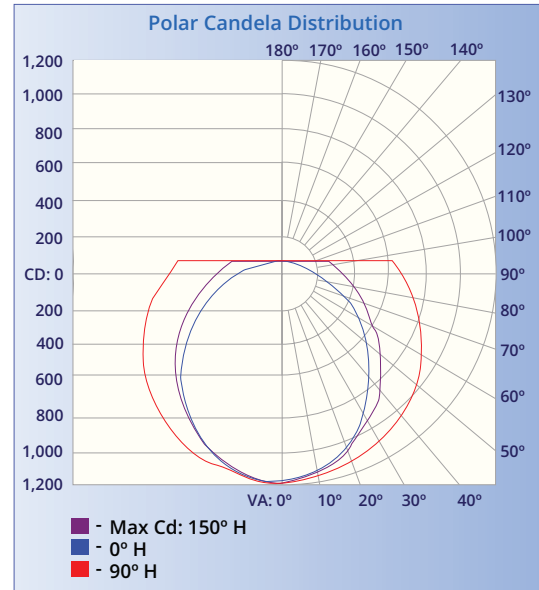


PHOTOMETRIC REPORT - TIMBER GLOW

Filename: LLLRB70L62W3658L30K
Lamp: LED Module
Lamp Output: Total luminaire Lumens: 4449.4
Max Candela: 1,183.2 at Horizontal: 150°, Vertical: 3°
Input Wattage: 62
Luminous Opening: Rectangle w/Luminous Sides (L: 70.08", W: 4.33", H: 4.33")
Test: LLLRB70L62W3658L30KSA
Test Date: 09-Nov-2017 10:45:31
Test Lab: Radiant Vision Systems ProSource
Photometry : Type C



Roadway Summary

Cutoff Classification:	N/A	
Distribution	TYPE II, VERY SHORT	
Mac Cd, 90 Deg Vert:	625.2	
Max Cd, 80 to < 90 Deg:	692.0	
	Lumens	% Lamp
Downward Street Side:	2,172.8	48.8%
Downward House Side:	2,164.6	48.6%
Downward Total:	4,337.4	97.5%
Upward Street Side:	54.2	1.2%
Upward House Side:	58.4	1.3%
Upward Total:	112.6	2.5%
Total Lumens:	4,450.0	100%

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	918.8	20.6%
0-40	1,520.9	34.2%
0-60	2,825.3	63.5%
60-90	1,511.5	34%
70-100	1,030.4	23.2%
90-120	112.6	2.5%
0-90	4,336.8	97.5%
90-180	112.6	2.5%
0-180	4,449.4	100%

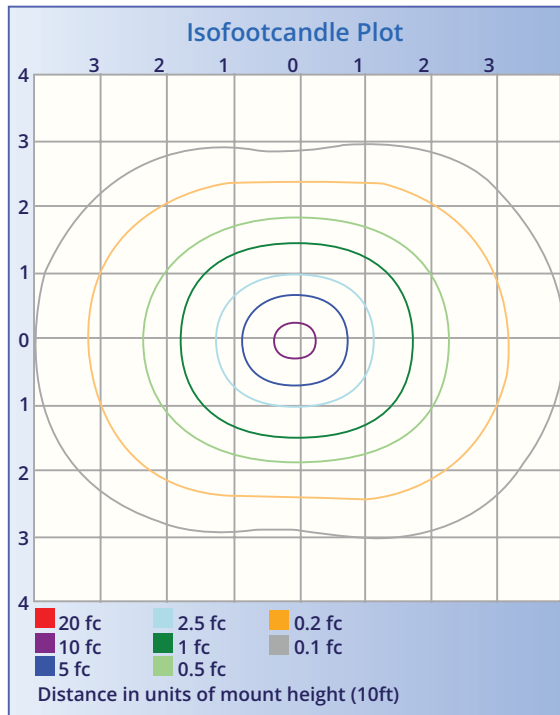
Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.3%	4,418.9	n/a	156.8
Beam (50%):	77.8%	3,462.0	81.9	103.2
Total:	100%	4,450.2		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	110.9	2.5%	90-100	112.5	2.5%
10-20	319.9	7.2%	100-110	0.1	0%
20-30	488.0	11.0%	110-120	0	0%
30-40	602.1	13.5%	120-130	0	0%
40-50	656.5	14.8%	130-140	0	0%
50-60	647.9	14.6%	140-150	0	0%
60-70	593.5	13.3%	150-160	0	0%
70-80	508.0	11.4%	160-170	0	0%
80-90	409.9	9.2%	170-180	0	0%

PHOTOMETRIC REPORT - TIMBER GLOW



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7ft	409 fc	4.3 ft	3.0 ft
3.3ft	108 fc	8.3 ft	5.7 ft
5.0ft	47.2 fc	12.6 ft	8.7 ft
6.7ft	26.3 fc	16.9 ft	11.6 ft
8.3ft	17.1 fc	20.9 ft	14.4 ft
10.0ft	11.8 fc	25.2 ft	17.4 ft

Vert. Spread: 103.2°
Horiz. Spread: 81.9°

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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.97	1.10	1.10	1.10	1.04	1.04	1.04	1.00	1.00	1.00	.97			
1	1.04	.98	.92	.87	1.01	.95	.90	.75	.90	.86	.82	.86	.82	.79	.82	.79	.76	.74			
2	.94	.83	.75	.68	.90	.81	.74	.60	.77	.71	.65	.73	.68	.63	.70	.65	.61	.59			
3	.85	.72	.63	.55	.82	.70	.62	.50	.67	.59	.53	.64	.57	.52	.61	.55	.51	.48			
4	.77	.63	.54	.46	.74	.62	.53	.42	.59	.51	.45	.56	.49	.44	.54	.48	.43	.40			
5	.71	.56	.46	.39	.68	.55	.46	.36	.53	.44	.38	.50	.43	.37	.48	.42	.37	.34			
6	.65	.51	.41	.34	.63	.49	.40	.32	.47	.39	.33	.45	.38	.32	.43	.37	.32	.30			
7	.60	.46	.36	.30	.58	.45	.36	.28	.43	.35	.29	.41	.34	.29	.40	.33	.28	.26			
8	.56	.42	.32	.26	.54	.41	.32	.25	.39	.31	.26	.38	.31	.25	.36	.30	.25	.23			
9	.52	.38	.29	.24	.51	.37	.29	.22	.36	.28	.23	.35	.28	.23	.33	.27	.23	.21			
10	.49	.35	.27	.21	.47	.34	.26	.20	.33	.26	.21	.32	.25	.21	.31	.25	.20	.19			

PHOTOMETRIC REPORT - TIMBER GLOW

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210
0	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181
3	1167	1168	1168	1170	1170	1172	1174	1176	1177	1179	1180	1181	1182	1183	1183	1183	1183	1183	1182	1182	1181	1181
6	1154	1155	1157	1159	1161	1164	1167	1169	1171	1173	1175	1176	1178	1178	1178	1177	1175	1172	1171	1169	1169	1169
9	1151	1151	1151	1151	1154	1158	1162	1164	1166	1167	1168	1170	1170	1169	1165	1160	1157	1151	1150	1149	1151	1151
12	1142	1141	1140	1140	1146	1151	1157	1161	1162	1161	1162	1162	1161	1156	1150	1141	1134	1128	1126	1127	1132	1138
15	1115	1116	1120	1123	1130	1140	1150	1159	1160	1157	1154	1152	1150	1142	1130	1123	1116	1107	1104	1105	1113	1122
18	1081	1087	1093	1104	1113	1122	1135	1151	1156	1150	1145	1143	1142	1131	1114	1107	1096	1088	1082	1083	1085	1097
21	1051	1056	1069	1086	1100	1107	1117	1138	1143	1137	1135	1134	1134	1115	1093	1085	1069	1059	1056	1055	1054	1064
24	1021	1024	1042	1059	1083	1096	1103	1123	1128	1123	1125	1120	1111	1086	1059	1049	1032	1022	1025	1023	1018	1022
27	983	991	1005	1023	1050	1075	1088	1108	1117	1112	1114	1103	1087	1060	1030	1015	990	986	989	986	979	989
30	940	952	962	980	1005	1041	1066	1090	1105	1101	1099	1090	1071	1042	1008	982	949	948	949	941	944	961
33	896	911	917	946	978	1015	1045	1071	1084	1087	1080	1075	1049	1016	985	953	905	903	906	891	907	931
36	850	867	876	919	958	989	1027	1056	1059	1070	1059	1055	1018	976	955	924	864	851	860	839	866	900
39	800	817	841	877	923	958	1007	1039	1042	1052	1043	1030	988	942	914	877	833	799	812	793	828	855
42	752	764	799	831	886	924	983	1011	1025	1034	1028	1003	969	923	877	826	798	750	764	748	780	806
45	710	713	752	788	854	895	953	983	1001	1016	1010	980	946	904	847	778	751	705	718	701	729	757
48	662	666	705	750	824	867	921	961	975	997	988	956	915	869	815	743	699	660	667	655	682	719
51	601	623	655	712	785	835	892	936	954	975	962	928	890	829	772	711	638	616	606	611	625	685
54	539	571	617	667	740	800	864	912	931	951	932	903	868	800	721	660	594	569	544	561	578	638
57	490	516	572	624	707	765	835	886	910	922	907	877	840	767	687	608	549	521	492	509	531	588
60	443	464	515	578	669	735	800	855	887	890	885	844	806	730	655	562	506	469	444	456	490	538
63	384	411	467	538	625	707	770	824	857	860	859	814	773	695	612	528	471	414	388	405	454	500
66	324	356	419	506	590	676	743	794	825	833	828	788	740	664	576	500	423	357	331	351	405	472
69	274	302	380	465	558	643	714	762	795	811	798	765	705	631	546	460	376	305	277	298	361	424
72	227	261	339	424	527	609	681	733	772	788	773	737	672	598	520	423	335	259	225	247	318	389
75	175	217	299	389	487	579	647	706	746	759	747	703	637	573	486	389	297	212	173	203	274	355
78	122	171	265	361	457	545	615	675	716	725	717	666	604	544	457	359	261	167	123	164	238	326
81	84	133	237	338	434	516	591	653	689	692	685	634	576	506	421	327	225	124	77	124	212	292
84	47	105	205	312	405	485	569	629	656	663	649	610	554	475	392	305	194	101	44	95	183	265
87	20	78	181	285	386	462	547	589	614	633	623	572	532	452	373	274	172	77	19	72	161	245
90	4	58	161	260	335	431	493	558	588	625	601	557	509	424	350	250	157	60	5	56	139	221
93	1	20	63	105	126	165	188	240	210	230	218	266	219	198	151	128	84	25	1	25	80	136
96	0	1	5	5	9	9	15	25	20	13	27	28	23	21	18	14	12	4	0	4	12	17
99	0	0	2	2	2	2	2	2	3	1	5	2	1	0	0	0	0	1	0	1	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PHOTOMETRIC REPORT - TIMBER GLOW

123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PHOTOMETRIC REPORT - TIMBER GLOW

Luminaire Report Summary

IESNA:LM-63-2002

[TEST] LLLRB30L26W1568L30KSA

[TESTDATE] 09-Nov-2017 10:45:31

[TESTLAB] Radiant Vision Systems ProSource

[ISSUEDATE] 11/9/2017 11:47:18 AM

[MANUFAC] TEXAS FLUORESCENTS

[LAMP] LED Module

[_TOTALLUMINAIRELUMENS] 1865.6

[_NUMBEROFFRAYS]10000000

[DRIVER TYPE] (1) AC-A100VD24H4.1

[LED TYPE] LED EXTRUSION TAPE - 46"

[COLOR TEMP] 2,916 CCT

[LUMEN/WATT] 72 LM/WT

[CRI] 83.5

[OTHER] Absolute Photometry measurement

FILE: CREATED USING ABSOLUTE PHOTOMETRY

FILE: CANDELA MULTIPLIER: 0.76471

FILE: VERTICAL ANGLES: 61, HORIZONTAL ANGLES: 37

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: STANDARD

FILE: BALLAST FACTOR: 1