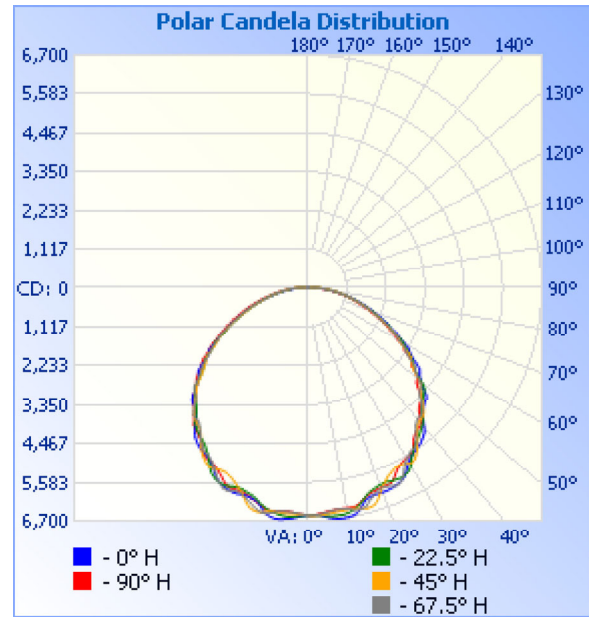


Photometrics Pro

Luminaire Photometric Report

Filename: CP6 - Canopy Light - 150W - IES
Manufacturer: SARIN Energy Solutions
Lamp Output: 1 lamp, rated Lumens/lamp: 20065.9
Max Candela: 6,699.9 at Horizontal: 180°, Vertical: 8°
Input Wattage: 148.68
Luminous Opening: Point
Test: BLC2112052E-A
Test Lab: UTEST TECHNICAL LABORATORY
Photometry : Type C
Nema Type: 7 X 7

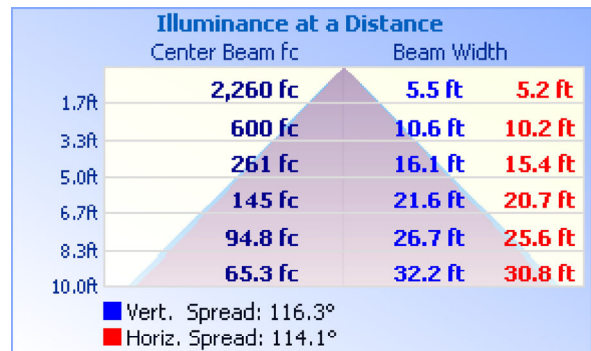
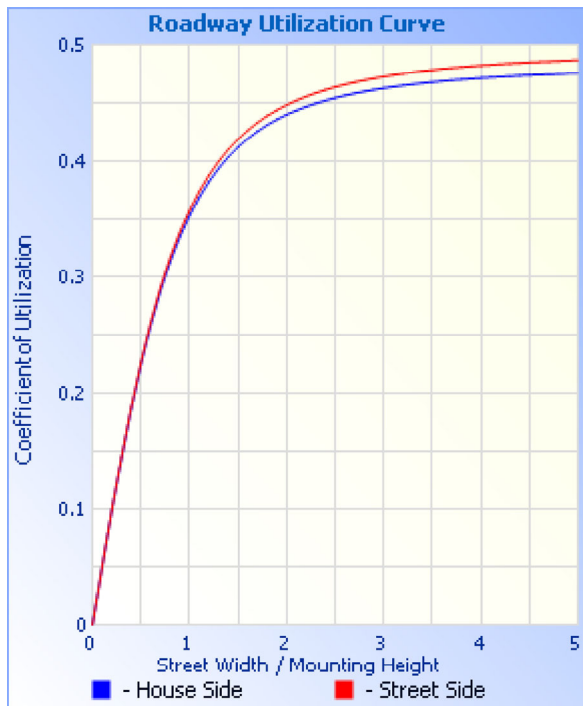
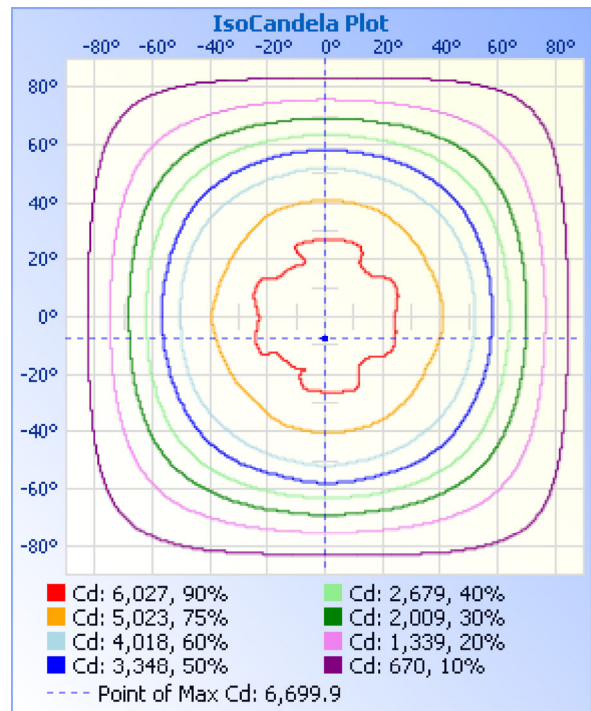
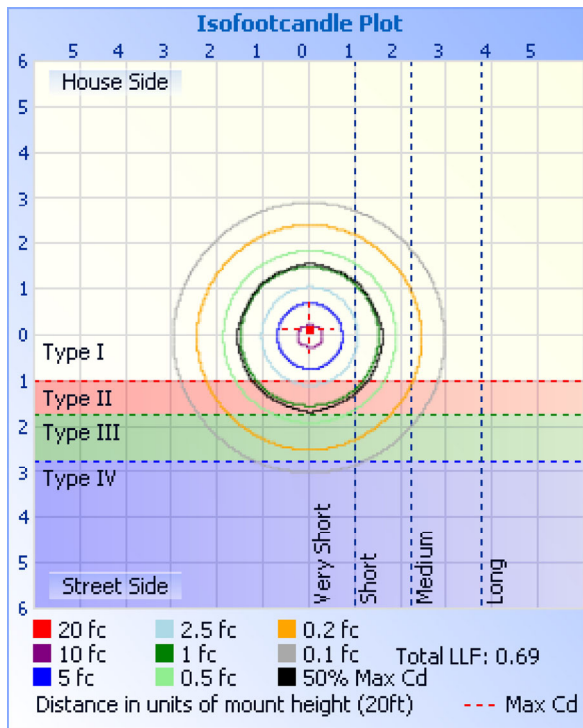


Roadway Summary		
Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	332.8	
Max Cd, 80 to <90 Deg:	1,016.4	
	Lumens	% Lamp
Downward Street Side:	10,051.7	50.1%
Downward House Side:	9,824.5	49%
Downward Total:	19,876.2	99.1%
Upward Street Side:	97.0	0.5%
Upward House Side:	92.7	0.5%
Upward Total:	189.7	0.9%
Total Lumens:	20,065.9	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.5%	19,556.8	166.9	166.3
Beam (50%):	72.4%	14,519.2	114.1	116.3
Total:	100%	20,057.1		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	5,175.2	25.8%	25.8%
0-40	8,541.2	42.6%	42.6%
0-60	15,318.6	76.3%	76.3%
60-90	4,555.9	22.7%	22.7%
70-100	2,225.8	11.1%	11.1%
90-120	136.3	0.7%	0.7%
0-90	19,874.5	99%	99.1%
90-180	189.7	0.9%	0.9%
0-180	20,064.2	100%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	622.5	3.1%	90-100	108.1	0.5%
10-20	1,791.1	8.9%	100-110	16.0	0.1%
20-30	2,761.5	13.8%	110-120	12.3	0.1%
30-40	3,366.0	16.8%	120-130	11.7	0.1%
40-50	3,557.7	17.7%	130-140	11.8	0.1%
50-60	3,219.7	16.0%	140-150	11.4	0.1%
60-70	2,438.2	12.2%	150-160	9.7	0%
70-80	1,478.0	7.4%	160-170	6.5	0%
80-90	639.7	3.2%	170-180	2.3	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	0	50	30	20	0	50	30	20	0	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.01	1.01	1.01	1.01	.99				
1	1.08	1.03	.98	.94	1.05	1.00	.96	.82	.96	.93	.89	.92	.89	.87	.88	.86	.86	.84	.84	.82				
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.73	.80	.76	.71	.77	.73	.70	.70	.67	.67				
3	.89	.78	.70	.63	.86	.77	.69	.58	.73	.67	.61	.70	.65	.60	.68	.63	.59	.57	.57	.57				

4	.81	.69	.60	.53	.79	.68	.59	.50	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5	.75	.62	.52	.46	.73	.60	.52	.43	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6	.69	.55	.46	.40	.67	.54	.46	.38	.52	.45	.39	.51	.44	.39	.49	.43	.38	.36
7	.64	.50	.41	.35	.62	.49	.41	.34	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8	.59	.46	.37	.31	.58	.45	.37	.30	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9	.56	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10	.52	.39	.31	.25	.51	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23

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	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531	6531
1	6530	6534	6546	6530	6537	6534	6532	6547	6544	6541	6521	6514	6514	6513	6519	6511	6530
2	6535	6533	6545	6528	6515	6520	6539	6569	6574	6553	6515	6497	6505	6504	6505	6504	6535
3	6547	6544	6543	6507	6490	6500	6539	6598	6605	6568	6506	6475	6479	6491	6492	6498	6547
4	6577	6555	6532	6489	6471	6486	6528	6617	6639	6587	6498	6464	6463	6477	6484	6504	6577
5	6620	6573	6513	6465	6449	6475	6524	6644	6664	6598	6510	6452	6443	6472	6483	6525	6620
6	6654	6596	6503	6440	6432	6461	6520	6645	6679	6589	6509	6455	6448	6463	6475	6536	6654
7	6680	6596	6488	6420	6419	6444	6494	6632	6694	6569	6497	6463	6457	6459	6483	6554	6680
8	6691	6594	6482	6421	6419	6444	6466	6615	6700	6548	6491	6485	6467	6463	6493	6547	6691
9	6693	6587	6479	6426	6416	6464	6430	6576	6678	6519	6500	6532	6488	6474	6509	6528	6693
10	6688	6567	6467	6441	6425	6493	6404	6518	6632	6482	6522	6575	6487	6512	6522	6492	6688
11	6669	6532	6459	6479	6432	6545	6408	6453	6560	6430	6553	6596	6466	6529	6553	6454	6669
12	6631	6482	6474	6526	6427	6577	6430	6370	6449	6376	6592	6579	6410	6518	6575	6416	6631
13	6552	6422	6499	6537	6387	6588	6452	6279	6339	6299	6592	6528	6351	6480	6595	6367	6552
14	6430	6342	6530	6524	6325	6558	6462	6204	6282	6224	6567	6459	6303	6419	6607	6313	6430
15	6333	6247	6555	6484	6252	6486	6448	6141	6250	6176	6523	6392	6258	6360	6597	6227	6333
16	6274	6165	6545	6374	6196	6394	6415	6088	6231	6137	6418	6325	6214	6307	6563	6156	6274
17	6245	6110	6517	6288	6153	6295	6339	6051	6224	6112	6292	6269	6179	6258	6502	6110	6245
18	6237	6074	6432	6213	6134	6199	6250	6019	6226	6084	6175	6217	6151	6230	6399	6089	6237
19	6242	6038	6291	6161	6116	6112	6158	6015	6247	6070	6087	6191	6146	6214	6266	6086	6242
20	6243	6022	6150	6121	6098	6079	6070	6007	6251	6079	6007	6193	6153	6219	6120	6098	6243
21	6246	6001	6045	6112	6093	6084	5984	6036	6240	6102	5931	6230	6160	6244	6010	6107	6246
22	6238	6001	5951	6137	6092	6119	5904	6048	6216	6134	5873	6261	6142	6271	5930	6126	6238
23	6221	6035	5866	6179	6081	6163	5809	6055	6190	6153	5826	6246	6085	6272	5852	6149	6221
24	6201	6038	5816	6219	6025	6178	5752	6034	6157	6141	5791	6185	6010	6243	5834	6166	6201
25	6171	6052	5759	6204	5911	6176	5733	6024	6097	6119	5786	6101	5927	6184	5816	6155	6171
26	6135	6063	5730	6139	5813	6092	5736	6015	6026	6083	5790	5991	5860	6100	5818	6132	6135
27	6078	6052	5721	6012	5742	5944	5750	5976	5919	6031	5819	5878	5797	5993	5834	6084	6078
28	5982	6022	5731	5870	5689	5778	5758	5910	5816	5950	5848	5777	5743	5887	5854	6039	5982
29	5865	5979	5766	5740	5657	5635	5782	5822	5735	5815	5853	5691	5704	5768	5870	5976	5865
30	5761	5892	5814	5647	5631	5524	5790	5736	5672	5687	5819	5625	5695	5690	5858	5872	5761
31	5689	5749	5824	5592	5625	5466	5768	5648	5620	5572	5757	5580	5678	5634	5803	5727	5689
32	5634	5635	5779	5535	5601	5441	5715	5555	5589	5494	5681	5553	5636	5605	5724	5585	5634
33	5599	5542	5691	5507	5519	5432	5641	5487	5566	5407	5592	5514	5552	5573	5638	5474	5599
34	5558	5460	5591	5492	5402	5407	5525	5404	5539	5352	5489	5443	5451	5526	5562	5396	5558
35	5525	5396	5471	5415	5277	5343	5353	5322	5493	5301	5363	5354	5356	5437	5479	5334	5525
36	5486	5339	5345	5275	5205	5214	5181	5260	5431	5260	5223	5245	5293	5317	5370	5264	5486
37	5433	5285	5196	5139	5151	5091	5039	5196	5370	5213	5125	5142	5238	5186	5246	5215	5433
38	5374	5226	5071	5011	5123	4986	4941	5152	5274	5164	5075	5047	5197	5092	5116	5185	5374
39	5309	5169	5009	4937	5106	4903	4887	5088	5140	5113	5035	4969	5167	5016	5052	5147	5309
40	5172	5104	4976	4885	5027	4858	4869	4987	5009	5036	4999	4930	5104	4987	5019	5117	5172
41	5037	5019	4965	4870	4884	4883	4868	4827	4906	4905	4959	4939	4984	4958	4986	5048	5037
42	4939	4863	4934	4871	4751	4883	4851	4719	4818	4796	4889	4912	4880	4931	4931	4912	4939
43	4842	4771	4863	4801	4667	4789	4766	4639	4743	4698	4787	4811	4780	4848	4838	4791	4842
44	4761	4681	4755	4699	4618	4633	4642	4580	4701	4631	4688	4695	4710	4715	4732	4704	4761
45	4708	4627	4630	4574	4592	4502	4523	4529	4661	4563	4578	4565	4661	4602	4619	4637	4708
46	4666	4569	4521	4451	4527	4387	4417	4478	4625	4497	4466	4469	4605	4516	4528	4577	4666

47	4643	4523	4417	4370	4382	4319	4311	4439	4515	4444	4381	4420	4495	4462	4462	4517	4643
48	4550	4474	4342	4333	4231	4300	4207	4378	4347	4374	4306	4396	4354	4456	4408	4447	4550
49	4370	4419	4289	4292	4117	4250	4131	4277	4207	4275	4207	4316	4257	4397	4352	4389	4370
50	4237	4308	4182	4187	4078	4132	4033	4109	4114	4094	4060	4167	4181	4260	4215	4303	4237
51	4142	4100	4020	4048	4030	3961	3893	3943	4041	3953	3923	4019	4120	4112	4065	4106	4142
52	4059	3921	3862	3916	3886	3807	3767	3817	3994	3828	3811	3914	4001	3975	3914	3951	4059
53	4008	3819	3760	3845	3735	3719	3662	3719	3945	3725	3715	3823	3870	3911	3802	3837	4008
54	3952	3731	3687	3765	3666	3634	3587	3648	3781	3671	3634	3724	3774	3835	3698	3732	3952
55	3796	3652	3602	3588	3622	3494	3524	3528	3603	3607	3580	3567	3706	3693	3643	3686	3796
56	3636	3570	3550	3426	3470	3359	3444	3390	3485	3486	3501	3423	3612	3519	3601	3629	3636
57	3520	3450	3447	3339	3299	3269	3279	3282	3399	3334	3351	3318	3438	3397	3526	3505	3520
58	3429	3340	3247	3279	3256	3201	3112	3186	3340	3211	3173	3258	3335	3310	3335	3358	3429
59	3359	3223	3112	3154	3151	3050	2994	3124	3180	3128	3063	3150	3261	3222	3171	3248	3359
60	3203	3147	3025	3000	2962	2918	2933	3033	3032	3051	2969	2978	3130	3084	3056	3147	3203
61	3047	3044	2956	2925	2887	2865	2864	2848	2911	2885	2890	2906	2972	2964	2979	3037	3047
62	2944	2841	2851	2831	2767	2760	2703	2698	2802	2727	2793	2828	2887	2903	2886	2867	2944
63	2837	2716	2703	2692	2622	2600	2564	2598	2639	2618	2630	2684	2767	2783	2763	2736	2837
64	2663	2636	2588	2600	2547	2505	2463	2508	2526	2543	2520	2571	2641	2650	2643	2635	2663
65	2554	2550	2476	2476	2406	2364	2354	2375	2446	2406	2392	2446	2561	2565	2520	2561	2554
66	2482	2396	2346	2344	2316	2256	2228	2253	2316	2271	2276	2319	2416	2412	2394	2409	2482
67	2338	2292	2258	2240	2178	2140	2119	2156	2201	2181	2177	2214	2336	2299	2295	2309	2338
68	2241	2179	2133	2130	2083	2032	1989	2023	2098	2048	2057	2087	2209	2177	2186	2196	2241
69	2124	2044	1997	2012	1950	1922	1884	1912	1967	1938	1924	1986	2100	2084	2044	2066	2124
70	1989	1969	1923	1915	1866	1830	1802	1823	1881	1846	1854	1881	1976	1969	1966	1975	1989
71	1884	1841	1806	1806	1751	1721	1687	1704	1760	1724	1734	1782	1882	1873	1843	1849	1884
72	1789	1730	1707	1695	1647	1605	1596	1604	1652	1626	1646	1664	1779	1753	1739	1735	1789
73	1676	1630	1608	1597	1542	1513	1497	1516	1548	1538	1536	1566	1675	1653	1643	1641	1676
74	1576	1522	1509	1505	1441	1415	1389	1415	1451	1430	1441	1485	1566	1560	1539	1551	1576
75	1468	1439	1404	1397	1344	1317	1309	1322	1343	1349	1348	1386	1468	1467	1449	1439	1468
76	1356	1325	1314	1315	1253	1226	1217	1228	1240	1246	1267	1293	1361	1359	1353	1352	1356
77	1252	1231	1224	1215	1166	1142	1133	1140	1148	1163	1180	1201	1264	1271	1255	1248	1252
78	1151	1150	1144	1136	1077	1063	1058	1045	1060	1069	1089	1117	1162	1172	1178	1159	1151
79	1061	1056	1062	1045	985	981	972	965	967	977	1012	1035	1076	1092	1090	1071	1061
80	973	976	986	969	912	906	906	883	881	900	940	957	999	1016	1004	981	973
81	875	885	904	897	829	840	837	804	802	828	863	883	913	927	932	893	875
82	793	802	824	821	738	768	766	733	728	757	797	814	838	855	850	819	793
83	709	725	755	744	664	690	702	664	650	689	728	747	759	792	780	744	709
84	631	654	680	665	573	619	624	598	578	622	670	683	679	718	718	668	631
85	550	584	610	582	494	538	554	539	500	555	605	617	600	645	644	602	550
86	476	520	533	510	425	474	493	471	444	497	541	545	526	573	576	529	476
87	415	442	463	441	352	409	431	415	382	438	478	478	450	503	512	462	415
88	340	372	403	379	297	343	379	357	315	379	416	418	383	435	446	403	340
89	266	315	342	317	247	295	320	303	264	321	370	363	328	377	388	339	266
90	214	259	295	266	204	241	272	248	215	269	312	303	275	326	333	285	214
91	178	220	249	215	174	200	233	211	169	230	269	252	230	263	287	233	178
92	134	170	204	172	131	152	192	167	132	179	225	208	190	224	240	193	134
93	93	129	163	122	98	111	153	125	91	139	186	154	150	172	196	145	93
94	47	84	128	74	58	63	120	78	52	98	145	123	108	124	152	107	47
95	18	65	98	33	23	21	95	53	16	67	109	72	75	84	123	60	18

96	16	58	79	16	11	9	73	49	13	54	86	28	34	35	95	55	16
97	14	50	61	17	13	9	61	42	14	49	70	15	11	14	68	49	14
98	14	38	51	13	12	11	52	36	13	37	58	14	10	13	54	37	14
99	15	39	39	14	12	8	31	29	12	39	44	14	12	13	46	34	15
100	22	43	19	18	11	12	26	36	24	35	34	15	12	13	23	36	22
101	29	35	11	16	12	13	11	39	17	39	18	15	13	10	21	39	29
102	28	30	19	13	12	10	15	29	21	30	18	12	11	12	14	34	28
103	17	23	16	12	10	0	12	24	17	21	15	15	13	11	14	17	17
104	14	16	17	10	15	0	12	13	17	19	15	14	13	13	15	13	14
105	12	11	13	14	16	10	15	14	11	8	16	14	11	8	14	17	12
106	15	15	11	12	13	11	10	15	13	14	13	12	9	11	10	13	15
107	13	13	16	18	12	0	9	14	12	15	13	9	13	14	13	13	13
108	17	14	16	14	11	10	11	9	10	14	14	14	13	14	15	16	17
109	15	14	14	16	10	8	11	13	18	13	11	14	11	14	15	14	15
110	14	12	19	13	0	9	15	13	11	16	13	15	10	14	12	13	14
111	14	11	13	14	13	9	13	15	11	12	16	14	0	14	18	13	14
112	11	9	13	14	12	0	11	14	15	13	15	9	11	16	17	9	11
113	12	16	15	17	12	12	13	12	12	18	16	12	9	16	14	12	12
114	16	13	13	16	10	13	0	14	15	14	17	12	11	10	12	13	16
115	13	11	15	12	10	13	10	16	12	14	18	14	11	10	13	12	13
116	16	13	13	19	13	10	12	12	9	12	15	10	9	13	13	11	16
117	11	17	11	10	11	11	13	14	11	12	13	11	13	11	10	12	11
118	9	9	15	14	14	12	14	14	10	12	16	16	14	9	12	15	9
119	16	13	15	17	14	10	0	16	10	12	11	13	9	10	0	15	16
120	17	13	11	9	12	11	0	14	14	13	9	14	8	15	16	12	17
121	13	12	15	17	12	10	8	10	16	13	16	12	11	12	8	13	13
122	10	13	14	16	12	13	11	15	17	12	16	9	11	12	13	10	10
123	12	15	12	15	8	11	9	12	12	17	11	15	10	15	14	0	12
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] BLC2112052E-A
[TESTLAB] UTEST TECHNICAL LABORATORY
[ISSUE DATE] 2021-12-29 21:08
[MANUFAC] SARIN Energy Solutions
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[_CURRENT] 1.248 A
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[_THD] 11.01
[_TESTINST] GPM-3000
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[_TESTHUMIDITY]
[_TESTOPERATOR]
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.