

Photometrics Pro

Luminaire Photometric Report

Filename: FWP06 - CCT Tunable Full Cut-Off Wall Pack - 100W - IES

Manufacturer: SARIN Energy Solutions

Lamp Output: 1 lamp, rated Lumens/lamp: 13350.6

Max Candela: 5,510.8 at Horizontal: 90°, Vertical: 49°

Input Wattage: 99.32

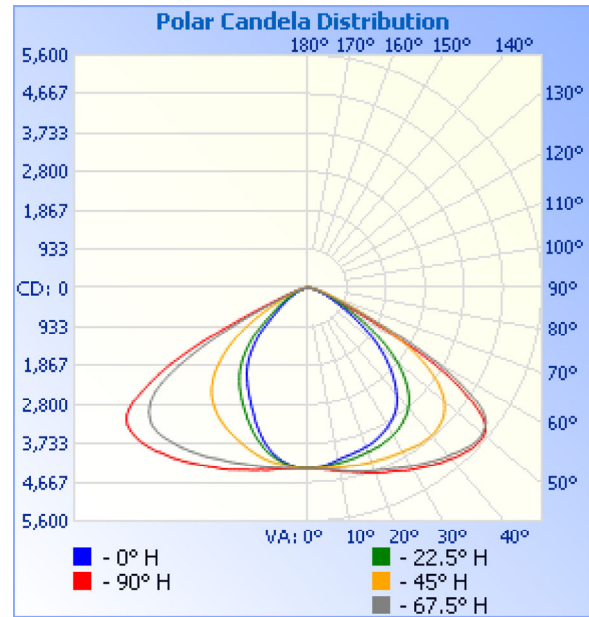
Luminous Opening: Point

Test: UTC2401039E-E-PL

Test Lab: UTEST TECHNICAL LABORATORY CO.LTD

Photometry : Type C

Nema Type: 7 X 6



Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	TYPE II, SHORT	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	201.1	
	Lumens	% Lamp
Downward Street Side:	7,388.3	55.3%
Downward House Side:	5,962.2	44.7%
Downward Total:	13,350.6	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	13,350.6	100%

Flood Summary

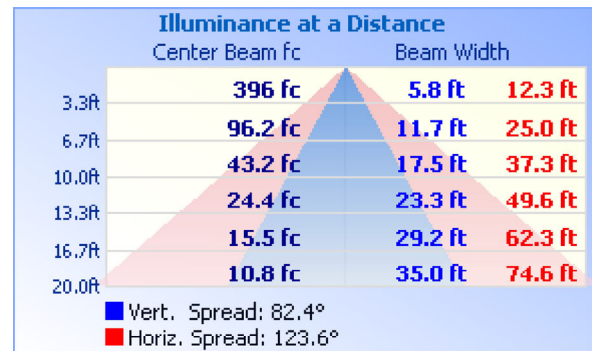
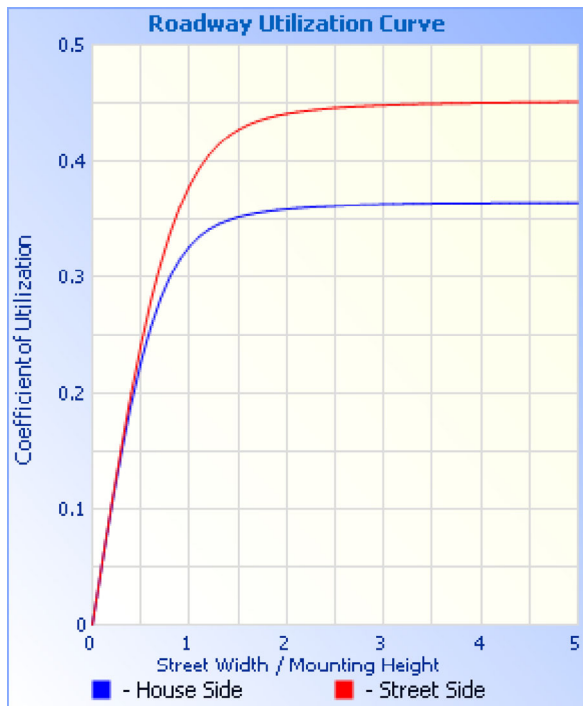
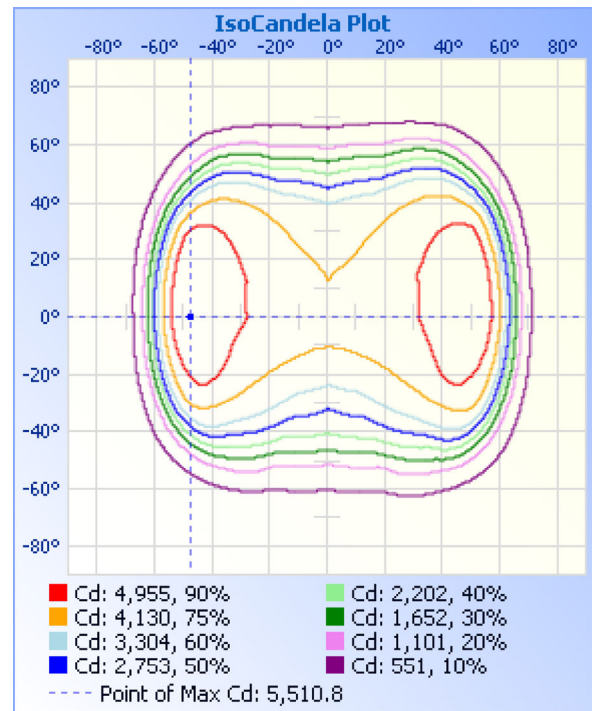
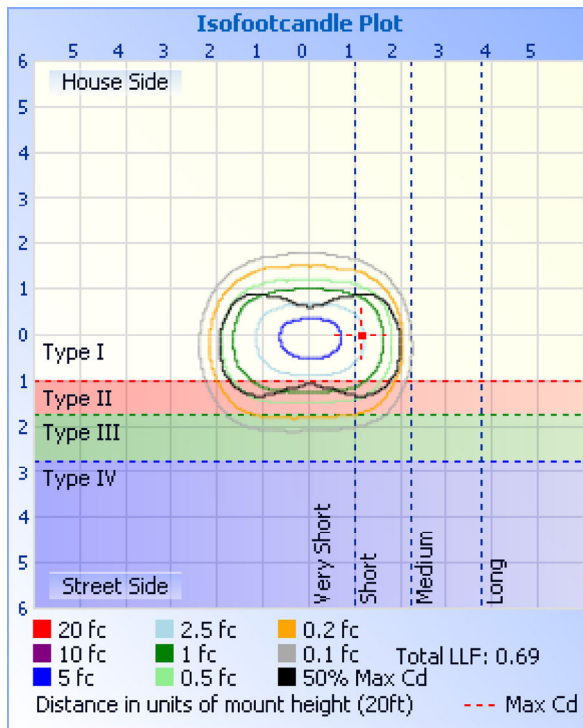
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.9%	12,942.2	138.5	115.5
Beam (50%):	81.8%	10,916.5	123.6	82.4
Total:	100%	13,345.1		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,582.3	26.8%	26.8%
0-40	6,187.3	46.3%	46.4%
0-60	11,898.2	89.1%	89.1%
60-90	1,450.7	10.9%	10.9%
70-100	318.0	2.4%	2.4%
90-120	0	0%	0%
0-90	13,348.9	100%	100%
90-180	0	0%	0%
0-180	13,348.9	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	411.6	3.1%	90-100	0	0%
10-20	1,214.9	9.1%	100-110	0	0%
20-30	1,955.9	14.7%	110-120	0	0%
30-40	2,605.0	19.5%	120-130	0	0%
40-50	3,007.8	22.5%	130-140	0	0%
50-60	2,703.0	20.2%	140-150	0	0%
60-70	1,132.7	8.5%	150-160	0	0%
70-80	275.7	2.1%	160-170	0	0%
80-90	42.4	0.3%	170-180	0	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	1.19	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	1.10	1.06	1.02	.99	1.08	1.04	1.01	.88	1.00	.97	.94	.96	.94	.92	.92	.91	.89	.87
2	1.01	.94	.87	.82	.98	.92	.86	.75	.88	.83	.79	.85	.81	.78	.82	.79	.76	.74
3	.92	.83	.75	.69	.90	.81	.74	.64	.78	.72	.67	.75	.70	.66	.73	.69	.65	.63

4	.85	.73	.65	.58	.82	.72	.64	.55	.69	.63	.57	.67	.61	.57	.65	.60	.56	.54
5	.78	.65	.57	.50	.76	.64	.56	.48	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6	.72	.59	.50	.44	.70	.58	.49	.42	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7	.66	.53	.44	.38	.64	.52	.44	.37	.51	.43	.38	.49	.42	.38	.48	.42	.37	.35
8	.61	.48	.40	.34	.60	.47	.39	.33	.46	.39	.34	.45	.38	.33	.44	.38	.33	.31
9	.57	.44	.36	.30	.56	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10	.53	.40	.32	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25

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	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318	4318
1	4312	4316	4318	4317	4321	4320	4320	4322	4317	4319	4317	4324	4319	4313	4315	4313	4312
2	4306	4314	4317	4319	4330	4320	4323	4318	4315	4320	4322	4327	4313	4313	4313	4312	4306
3	4297	4311	4318	4325	4338	4327	4325	4311	4313	4312	4317	4331	4320	4316	4308	4308	4297
4	4290	4305	4320	4339	4348	4333	4328	4300	4298	4299	4316	4338	4331	4327	4304	4299	4290
5	4277	4298	4326	4345	4365	4341	4321	4290	4279	4282	4308	4345	4346	4334	4306	4291	4277
6	4261	4294	4329	4354	4374	4352	4315	4276	4257	4270	4299	4346	4354	4339	4313	4281	4261
7	4243	4282	4341	4377	4398	4360	4311	4254	4228	4252	4289	4346	4369	4351	4316	4267	4243
8	4219	4274	4352	4395	4422	4376	4302	4237	4208	4230	4281	4358	4382	4363	4321	4256	4219
9	4196	4267	4352	4419	4439	4390	4299	4213	4169	4204	4272	4362	4400	4383	4322	4244	4196
10	4174	4258	4363	4439	4457	4398	4295	4185	4138	4172	4266	4370	4413	4391	4328	4234	4174
11	4155	4251	4367	4460	4484	4414	4288	4158	4087	4143	4260	4380	4433	4409	4330	4227	4155
12	4142	4246	4371	4482	4500	4425	4279	4123	4046	4113	4251	4395	4457	4431	4337	4213	4142
13	4127	4237	4378	4505	4523	4438	4272	4083	3996	4077	4242	4408	4477	4453	4342	4203	4127
14	4119	4229	4391	4530	4546	4443	4261	4046	3941	4041	4226	4417	4496	4474	4355	4191	4119
15	4106	4225	4400	4560	4571	4449	4244	4005	3886	3997	4214	4428	4516	4492	4364	4189	4106
16	4094	4215	4415	4584	4601	4458	4230	3962	3825	3946	4195	4437	4540	4513	4376	4178	4094
17	4084	4203	4418	4597	4636	4481	4214	3913	3751	3900	4176	4448	4562	4542	4382	4169	4084
18	4077	4196	4425	4617	4672	4495	4198	3867	3688	3849	4157	4460	4585	4568	4394	4162	4077
19	4063	4184	4433	4637	4702	4512	4178	3810	3617	3801	4135	4475	4612	4589	4407	4157	4063
20	4049	4178	4437	4663	4731	4535	4158	3760	3549	3741	4115	4491	4640	4604	4407	4147	4049
21	4040	4179	4445	4680	4754	4545	4139	3707	3474	3690	4093	4508	4670	4619	4407	4136	4040
22	4025	4163	4451	4697	4776	4564	4122	3651	3401	3625	4073	4524	4692	4643	4419	4132	4025
23	4008	4161	4464	4721	4801	4583	4107	3591	3317	3565	4051	4544	4729	4666	4425	4122	4008
24	3987	4153	4470	4747	4821	4606	4084	3531	3247	3507	4030	4563	4760	4682	4432	4113	3987
25	3966	4145	4483	4771	4848	4624	4061	3466	3181	3449	4005	4581	4797	4706	4444	4104	3966
26	3943	4128	4487	4804	4884	4646	4043	3407	3113	3382	3984	4595	4817	4733	4455	4095	3943
27	3913	4116	4499	4837	4915	4668	4022	3351	3041	3325	3962	4611	4836	4760	4465	4081	3913
28	3892	4105	4505	4862	4958	4693	4003	3294	2978	3269	3942	4629	4859	4783	4475	4070	3892
29	3858	4088	4519	4894	4993	4721	3980	3234	2917	3211	3918	4661	4894	4813	4485	4060	3858
30	3830	4070	4527	4927	5021	4740	3962	3170	2853	3156	3890	4686	4918	4844	4491	4041	3830
31	3796	4053	4538	4958	5047	4760	3937	3112	2795	3095	3866	4714	4953	4873	4502	4025	3796
32	3766	4029	4549	4993	5079	4784	3910	3056	2739	3033	3841	4739	4984	4898	4511	4005	3766
33	3723	4009	4567	5026	5108	4801	3884	2993	2675	2978	3814	4755	5012	4930	4518	3980	3723
34	3682	3974	4580	5054	5145	4828	3861	2935	2618	2922	3784	4774	5050	4967	4530	3954	3682
35	3641	3947	4589	5088	5183	4859	3829	2870	2558	2864	3755	4800	5082	5003	4536	3928	3641
36	3589	3909	4605	5118	5212	4875	3795	2807	2495	2803	3717	4824	5118	5038	4541	3894	3589
37	3527	3879	4607	5153	5252	4896	3758	2741	2431	2732	3678	4844	5146	5059	4545	3860	3527
38	3460	3838	4608	5187	5279	4919	3722	2675	2355	2674	3642	4866	5182	5085	4555	3819	3460
39	3381	3795	4609	5219	5303	4937	3680	2602	2278	2604	3599	4885	5213	5123	4563	3774	3381
40	3299	3739	4609	5238	5334	4962	3625	2514	2202	2532	3554	4904	5239	5149	4562	3728	3299
41	3213	3683	4608	5266	5372	4984	3575	2435	2113	2452	3500	4919	5264	5178	4562	3667	3213
42	3128	3616	4590	5304	5402	4998	3512	2347	2025	2370	3450	4936	5294	5207	4562	3604	3128
43	3028	3542	4573	5336	5424	5018	3447	2256	1924	2275	3391	4955	5340	5234	4552	3537	3028
44	2927	3459	4552	5360	5443	5030	3372	2154	1831	2188	3330	4978	5362	5266	4536	3465	2927
45	2830	3368	4529	5399	5478	5033	3294	2054	1738	2094	3249	4987	5392	5292	4513	3376	2830
46	2717	3269	4491	5423	5497	5024	3206	1953	1643	1995	3174	4997	5411	5318	4493	3283	2717

47	2600	3161	4450	5441	5504	5015	3109	1849	1534	1885	3087	4991	5435	5349	4459	3195	2600
48	2495	3054	4395	5458	5508	4990	3005	1743	1405	1780	2989	4986	5447	5368	4422	3085	2495
49	2368	2938	4333	5463	5511	4953	2882	1626	1287	1677	2888	4971	5459	5380	4372	2982	2368
50	2243	2812	4262	5446	5499	4892	2765	1494	1186	1557	2772	4937	5459	5382	4316	2866	2243
51	2127	2671	4180	5414	5466	4828	2639	1364	1088	1423	2658	4890	5460	5378	4246	2735	2127
52	1995	2533	4081	5388	5394	4745	2510	1247	997	1305	2542	4839	5448	5360	4176	2600	1995
53	1860	2383	3963	5341	5279	4628	2373	1139	920	1196	2421	4755	5428	5340	4081	2472	1860
54	1722	2236	3842	5237	5093	4463	2213	1036	859	1092	2288	4667	5380	5292	3983	2328	1722
55	1595	2076	3685	5096	4849	4246	2065	955	800	1009	2143	4553	5303	5243	3872	2165	1595
56	1463	1915	3505	4885	4568	3936	1923	887	737	931	2011	4406	5170	5166	3729	2032	1463
57	1337	1764	3331	4592	4278	3593	1760	813	686	864	1872	4189	4986	5047	3571	1876	1337
58	1211	1614	3127	4285	3919	3223	1588	760	635	794	1727	3929	4718	4890	3387	1719	1211
59	1111	1470	2907	3919	3487	2854	1411	685	590	735	1557	3604	4425	4639	3212	1572	1111
60	1001	1330	2698	3539	2981	2459	1242	630	545	675	1405	3226	4124	4318	3024	1438	1001
61	914	1201	2448	3048	2420	2016	1100	579	512	611	1258	2849	3765	3983	2793	1296	914
62	826	1081	2196	2595	1947	1648	946	529	471	575	1120	2436	3297	3603	2582	1182	826
63	748	980	1955	2088	1536	1326	825	493	439	525	980	2056	2819	3198	2352	1067	748
64	679	872	1691	1635	1205	1071	711	461	414	488	868	1683	2279	2692	2110	954	679
65	617	787	1461	1291	932	862	628	429	387	455	761	1367	1817	2219	1869	857	617
66	562	709	1267	1048	751	723	558	399	360	423	671	1113	1433	1775	1653	778	562
67	516	641	1072	840	624	611	497	372	331	397	597	895	1129	1408	1426	701	516
68	476	581	898	699	525	522	448	348	300	370	531	759	908	1133	1230	627	476
69	428	533	762	584	433	444	411	314	275	341	475	649	733	899	1026	576	428
70	386	478	660	505	371	388	372	294	236	313	430	561	612	736	860	524	386
71	344	421	575	437	318	342	334	252	201	286	390	476	508	624	732	468	344
72	303	373	510	385	269	289	300	221	182	250	356	418	435	544	641	416	303
73	271	328	440	338	226	243	260	194	165	216	322	364	378	460	566	378	271
74	247	295	392	291	188	208	229	167	148	191	291	321	325	399	493	329	247
75	223	263	335	254	164	178	194	150	133	173	257	273	272	355	436	291	223
76	197	231	282	226	137	148	159	135	114	153	219	230	231	301	381	264	197
77	175	207	235	191	118	125	130	112	100	136	183	204	197	267	332	234	175
78	150	178	202	165	98	104	107	85	79	112	157	173	170	227	283	211	150
79	125	145	177	142	76	90	91	71	67	91	128	149	142	202	235	179	125
80	100	116	149	120	60	72	62	60	51	70	108	130	120	174	201	145	100
81	80	94	112	95	50	53	43	34	39	59	91	113	99	146	170	116	80
82	65	74	79	72	26	43	30	23	29	41	66	94	85	122	143	91	65
83	51	50	62	59	27	24	22	17	19	27	48	83	66	100	108	68	51
84	38	37	33	47	17	17	15	14	18	16	31	60	51	76	73	49	38
85	27	26	29	33	8	11	9	14	17	18	23	40	44	49	64	35	27
86	21	19	20	19	0	9	15	16	15	17	14	31	26	41	38	25	21
87	16	21	16	19	0	0	10	10	11	16	14	25	22	33	27	20	16
88	16	17	19	21	0	0	10	12	17	14	12	21	10	19	15	20	16
89	14	17	15	16	0	9	10	13	16	15	16	18	7	13	18	18	14
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	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
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	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
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	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
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	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
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	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
121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	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
127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	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
133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	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
136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	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
139	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
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	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

145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	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
148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	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
151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	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
154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	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
157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	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
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	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
163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	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
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	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
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	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
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	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
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	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
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	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

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] UTC2401039E-E-PL
[TESTLAB] UTEST TECHNICAL LABORATORY CO.LTD
[ISSUE DATE] 2024/1/25
[MANUFAC] SARIN Energy Solutions
[_TOTALLUMINAIRELUMENS] 13348.9
[_VOLTAGE] 120.0 V
[_CURRENT] 0.831 A
[_POWERFACTOR] 0.996
[_THD] 3.36
[_TESTINST] GPM-3000
[_TESTDIST] 14.320 M [K=1.0000]
[_TESTTEMPERATURE] 24.8 'C
[_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

Photometrics Pro 1.3.29 copyright 2003-2024 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.