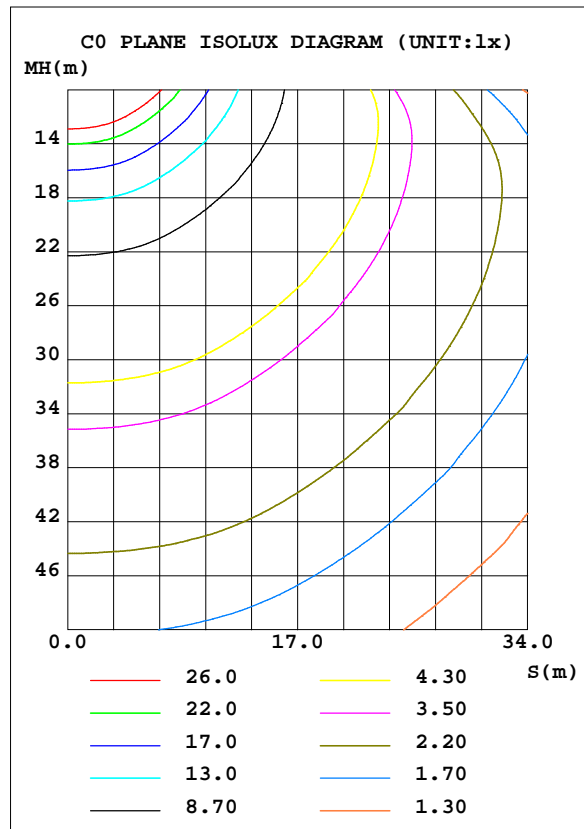
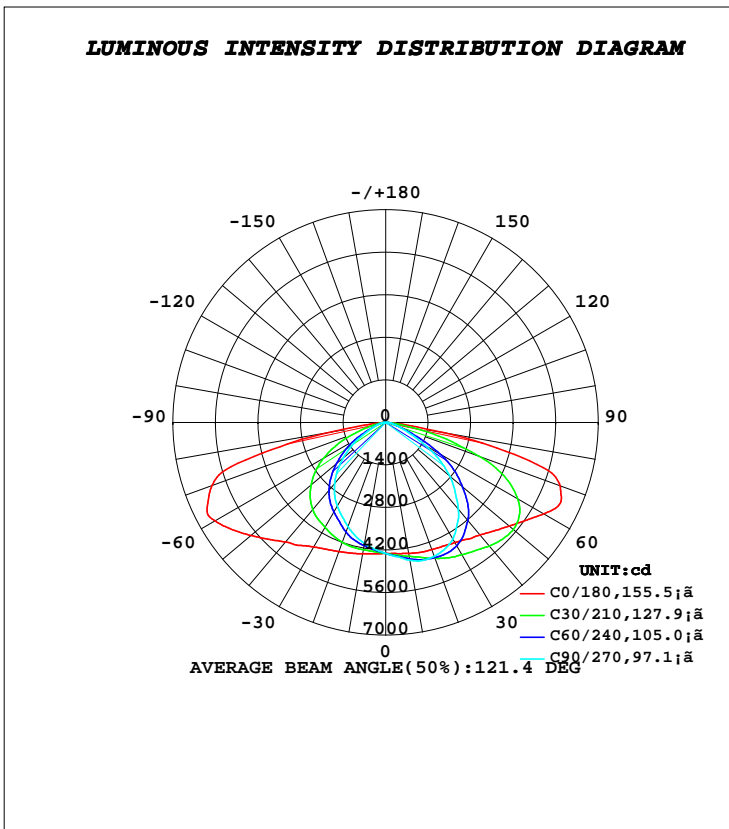


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.1V I:0.4417A P:100.2W PF:0.9815 Lamp Flux:16690.7x1 lm		
NAME: Uniled S Lux	TYPE: Luminaire	WEIGHT:
DIM.: CCT=3994K;Ra=73;t=48C;dE(t)=-2.2%;Kp=0.5%	SPEC.:	SERIAL No.:
MFR.: LuxON	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 166.61 lm/W			
MODEL		I _{max} (cd)	7794	S/MH(C0/180)	1.70
NOMINAL POWER(W)	0	LOR(%)	100.0	S/MH(C90/270)	1.45
RATED VOLTAGE(V)	0	TOTAL FLUX(lm)	16691	η UP, DN(C0-180)	0.0, 59.9
NOMINAL FLUX(lm)	16690.7	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 40.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	0.1	η down(%)	100.0	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25DEG
Operators: Skobnikov
Test Date: 2020-06-17

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 40%
Test Distance: 10.815m [K=1.0000]
Remarks: 5083

ZONAL FLUX DIAGRAM
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	4333	4408	4436	4409	4335	4239	4188	4234	0- 5	103.2	103.2	0.62,0.62
10	4379	4520	4601	4543	4393	4186	4050	4165	5- 10	310.5	413.7	2.48,2.48
15	4427	4651	4705	4693	4452	4124	3866	4069	10- 15	518.1	931.8	5.58,5.58
20	4456	4773	4688	4822	4521	4000	3646	3937	15- 20	720.0	1652	9.9,9.9
25	4494	4860	4604	4924	4608	3837	3407	3754	20- 25	909.7	2562	15.3,15.3
30	4567	4887	4429	5012	4734	3657	3185	3543	25- 30	1086	3647	21.9,21.9
35	4691	4860	4106	5054	4942	3483	2934	3348	30- 35	1244	4892	29.3,29.3
40	4836	4759	3721	5028	5139	3252	2617	3116	35- 40	1380	6272	37.6,37.6
45	5049	4600	3238	4912	5442	2927	2248	2810	40- 45	1482	7754	46.5,46.5
50	5309	4276	2759	4612	5789	2535	1831	2442	45- 50	1545	9299	55.7,55.7
55	5625	3755	2183	4088	6155	2084	1404	2021	50- 55	1561	10860	65.1,65.1
60	6016	3026	1492	3343	6480	1562	958.6	1547	55- 60	1519	12379	74.2,74.2
65	6328	2186	923.5	2478	6476	1078	583.3	1099	60- 65	1403	13782	82.6,82.6
70	6115	1218	561.0	1411	6083	587.7	384.2	625.7	65- 70	1203	14985	89.8,89.8
75	4913	514.5	353.2	578.9	4767	308.2	253.6	300.8	70- 75	928.7	15913	95.3,95.3
80	1905	243.3	180.9	240.2	1804	172.5	126.3	172.3	75- 80	559.5	16473	98.7,98.7
85	215.7	88.83	65.44	92.28	169.6	65.71	53.48	69.24	80- 85	186.0	16659	99.8,99.8
90	43.37	23.75	5.447	25.50	39.39	25.99	5.582	26.02	85- 90	31.69	16691	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature:25DEG
Operators:Skobnikov
Test Date:2020-06-17

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity:40%
Test Distance:10.815m [K=1.0000]
Remarks: 5083

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.1V I:0.4417A P:100.2W PF:0.9815 Lamp Flux:16690.7x1 lm		
NAME: Uniled S Lux	TYPE:Luminaire	WEIGHT:
DIM.: CCT=3994K;Ra=73;t=48C;dE(t)=-2.2%;Kp=0.5%	SPEC.:	SERIAL No.:
MFR.: LuxON	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	4314	4314	4314	4314	4313	4313	4312	4312	4311	4312	4310	4310	4309	4310	4309	4309	4309	4309	4314
5	4333	4354	4372	4389	4402	4414	4425	4432	4434	4436	4436	4433	4425	4415	4402	4385	4366	4350	4335
10	4379	4420	4452	4474	4503	4536	4559	4581	4595	4601	4610	4603	4592	4562	4524	4491	4459	4424	4393
15	4427	4489	4544	4600	4640	4663	4681	4685	4700	4705	4719	4725	4726	4710	4676	4619	4559	4505	4452
20	4456	4555	4674	4758	4786	4760	4730	4704	4694	4688	4713	4746	4789	4821	4822	4774	4687	4600	4521
25	4494	4649	4822	4914	4891	4828	4750	4663	4619	4604	4651	4727	4827	4901	4946	4953	4865	4734	4608
30	4567	4794	4993	5030	4947	4828	4683	4531	4457	4429	4485	4612	4794	4949	5075	5142	5095	4928	4734
35	4691	4998	5184	5151	4980	4740	4491	4252	4129	4106	4191	4387	4662	4925	5183	5360	5404	5215	4942
40	4836	5274	5444	5312	4954	4563	4210	3940	3743	3721	3820	4080	4429	4819	5236	5616	5765	5568	5139
45	5049	5660	5793	5435	4876	4325	3829	3467	3261	3238	3335	3614	4068	4621	5202	5800	6220	6066	5442
50	5309	6122	6192	5483	4639	3912	3310	2978	2796	2759	2856	3100	3508	4200	5024	5955	6712	6615	5789
55	5625	6615	6559	5370	4190	3319	2756	2431	2212	2183	2264	2536	2926	3565	4612	5986	7174	7125	6155
60	6016	7117	6848	5011	3465	2587	2051	1690	1529	1492	1560	1791	2188	2803	3884	5775	7490	7611	6480
65	6328	7429	6909	4388	2636	1736	1214	992	942	923	945	1022	1314	1944	3011	5244	7404	7672	6476
70	6115	6833	6212	3285	1584	851	627	568	565	561	556	571	663	970	1852	3950	6515	6924	6083
75	4913	5439	4938	1950	635	394	359	350	357	353	354	345	357	403	755	2428	5053	5171	4767
80	1905	2579	2476	655	269	217	204	201	193	181	195	200	205	209	271	770	2504	2095	1804
85	216	385	444	171	91.6	86.1	80.6	71.2	69.9	65.4	70.9	71.3	80.6	86.9	97.6	169	404	263	170
90	43.4	51.5	43.7	30.2	24.5	23.0	21.3	15.6	9.15	5.45	10.0	16.5	21.8	24.0	27.0	35.4	49.4	47.4	39.4

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25DEG
Operators: Skobnikov
Test Date: 2020-06-17

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 40%
Test Distance: 10.815m [K=1.0000]
Remarks: 5083

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.1V I:0.4417A P:100.2W PF:0.9815 Lamp Flux:16690.7x1 lm		
NAME: Uniled S Lux	TYPE:Luminaire	WEIGHT:
DIM.: CCT=3994K;Ra=73;t=48C;dE(t)=-2.2%;Kp=0.5%	SPEC.:	SERIAL No.:
MFR.: LuxON	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	4314	4314	4314	4313	4313	4312	4312	4311	4312	4310	4310	4309	4310	4309	4309	4309	4309		
5	4314	4293	4270	4249	4229	4212	4199	4190	4188	4190	4197	4208	4224	4243	4262	4286	4306		
10	4348	4304	4254	4210	4163	4119	4086	4062	4050	4056	4074	4103	4144	4187	4236	4288	4334		
15	4389	4321	4245	4165	4084	4006	3931	3908	3866	3895	3904	3977	4029	4110	4190	4273	4351		
20	4422	4317	4195	4070	3931	3839	3728	3688	3646	3676	3702	3794	3874	4000	4116	4231	4342		
25	4462	4291	4108	3937	3736	3611	3491	3450	3407	3439	3464	3559	3664	3844	3999	4167	4331		
30	4511	4257	3990	3769	3545	3410	3279	3232	3185	3218	3243	3344	3445	3640	3853	4099	4337		
35	4605	4238	3888	3611	3355	3191	3044	2978	2934	2965	3002	3113	3239	3458	3707	4028	4367		
40	4673	4188	3741	3400	3104	2906	2738	2658	2617	2646	2695	2825	2988	3244	3542	3966	4380		
45	4734	4074	3518	3095	2758	2544	2373	2284	2248	2274	2334	2473	2665	2956	3320	3840	4399		
50	4785	3929	3211	2714	2355	2121	1949	1869	1831	1869	1932	2070	2278	2605	3027	3658	4410		
55	4836	3692	2834	2278	1890	1675	1544	1418	1404	1425	1538	1652	1848	2195	2675	3404	4410		
60	4866	3373	2368	1730	1394	1212	1077	975	959	984	1091	1213	1388	1706	2263	3113	4430		
65	4633	2898	1811	1238	918	713	614	585	583	598	636	734	944	1255	1788	2759	4399		
70	3952	2123	1125	695	480	407	385	380	384	385	396	428	510	741	1171	2080	3902		
75	2992	1322	584	333	284	272	266	259	254	261	269	268	275	327	597	1316	2980		
80	1248	484	250	184	161	148	145	129	126	131	147	147	160	185	247	485	1241		
85	237	140	96.7	68.5	62.9	55.0	52.3	52.9	53.5	52.8	52.9	56.8	67.0	71.4	95.9	135	223		
90	39.9	33.6	30.8	27.6	24.4	21.2	15.7	9.76	5.58	9.89	15.7	21.2	24.6	27.5	30.8	35.7	44.5		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: MEDIUM
Temperature: 25DEG
Operators: Skobnikov
Test Date: 2020-06-17

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.265
Humidity: 40%
Test Distance: 10.815m [K=1.0000]
Remarks: 5083