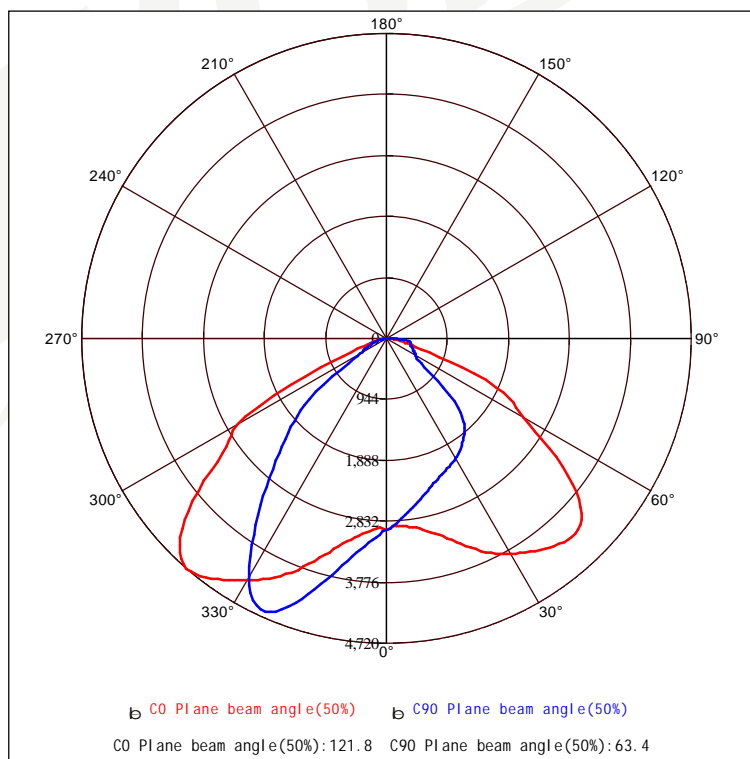


LED STREET LIGHT

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.22lm					
Lamp Name: LPSTL-100C01		Lamp Type: CLASS I		Weight(kg):	
Lamp ID: LPSTL-100C01		Lamp Spec:		Shape Size:	
Manufactory: LIPER		Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data		
Model		Peak Value(cd)	5802.5	Efficiency(lm/w)	112.3
Nominal P(w)	1.0	Position	315.0, 35.0	UP(C0-C180)	0.0
Rated Volt(v)	220.0	Total Flux(lm)	10507.219	Down(C0-C180)	41.6
Rated Flux(lm)	1.0	Up Flux Rate(%)	0.0	UP(C180-C360)	0.0
Illuminant QTY	1	Dw Flux Rate(%)	100.0	Down(C180-C360)	58.4

Planar Intensity Distribution Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

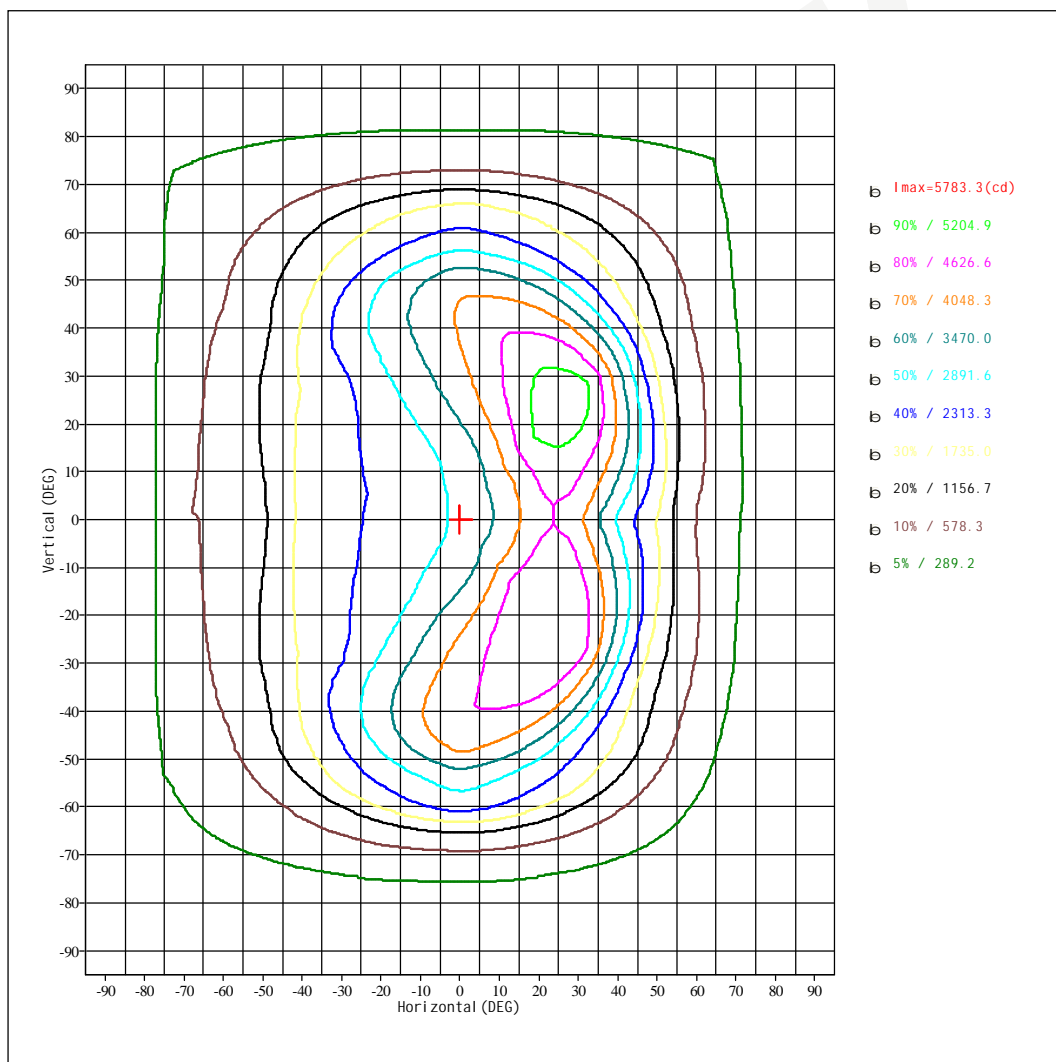
Humidity(%): 60

Date: 2019-2-24

Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.221m		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Planar IsoCandela Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

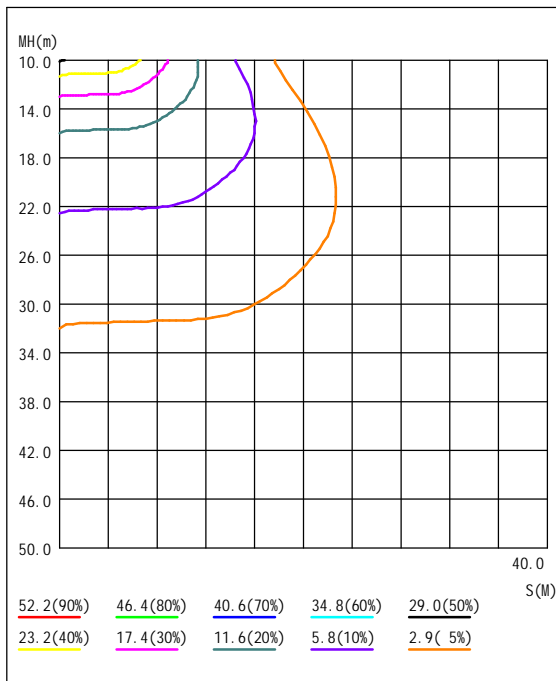
Humi di ty(%): 60

Date: 2019-2-24

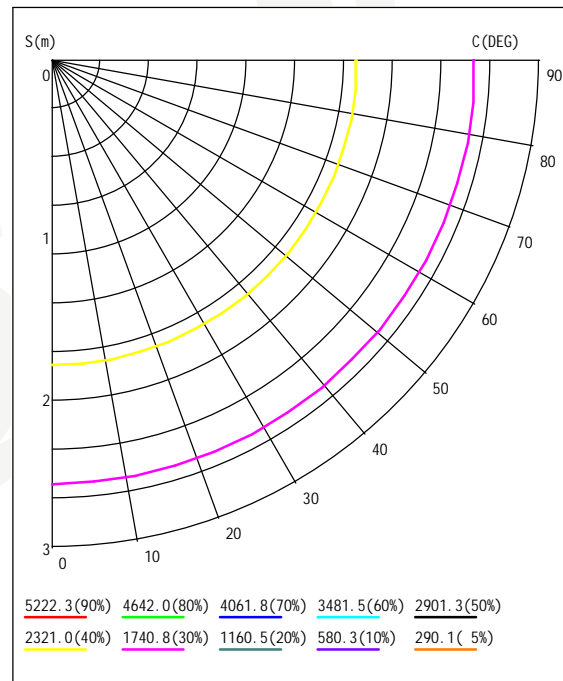
Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.221m		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2019-2-24

Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.221m		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

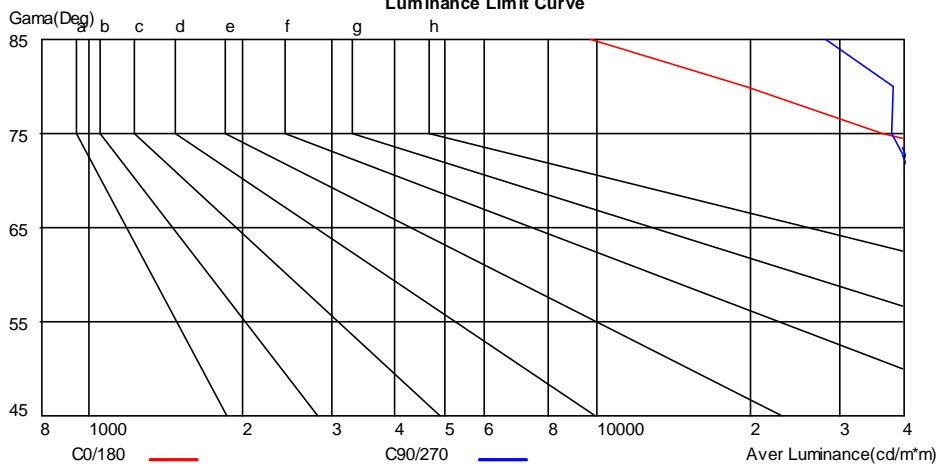
Aver Luminance(cd/m²)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	418523.1	384894.2	312662.5	242679.2	193956.9	96272.9	36580.4	19645.1	9729.6
C90	158316.7	97150.7	60408.8	50709.7	46203.0	42440.7	38139.5	38301.9	28320.9

Glare

Glare	Class	Illuminance(x)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

Luminance Limit Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

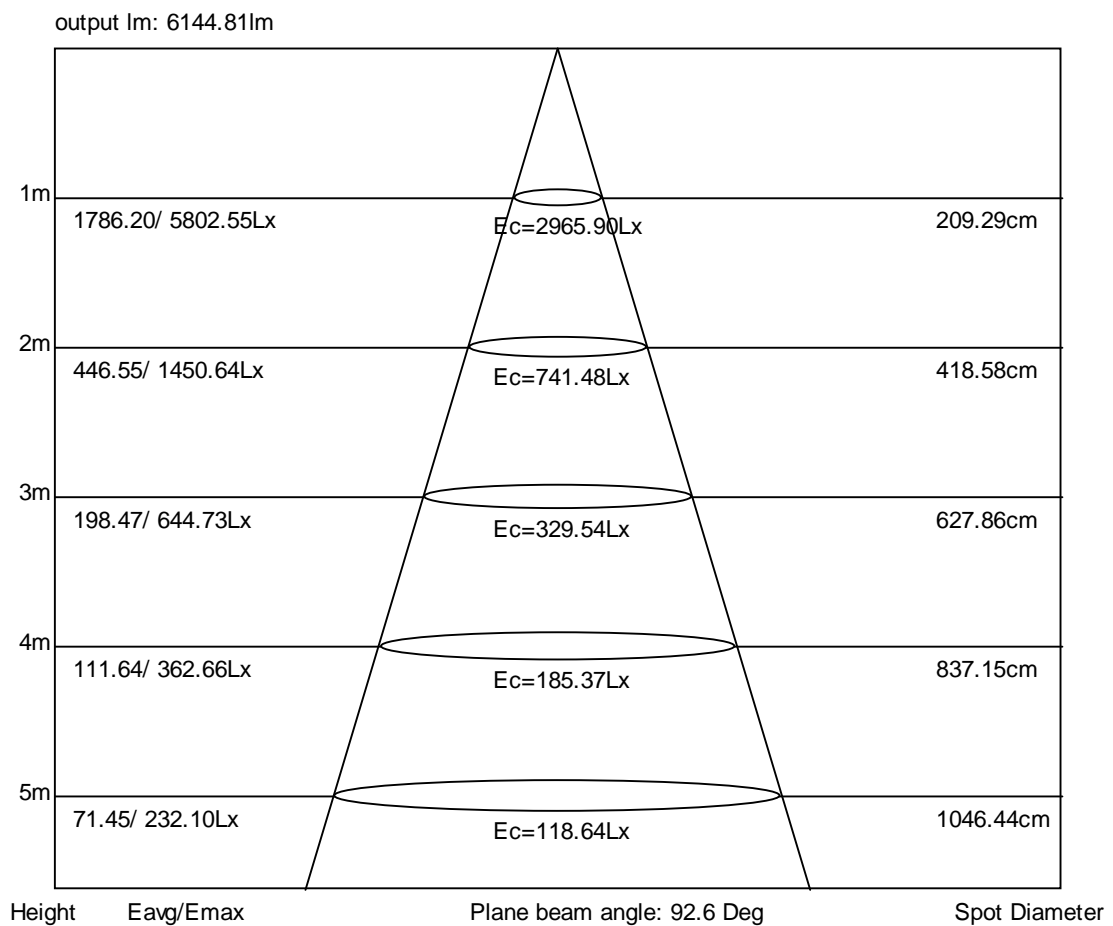
Humi dity(%): 60

Date: 2019-2-24

Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.22lm		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

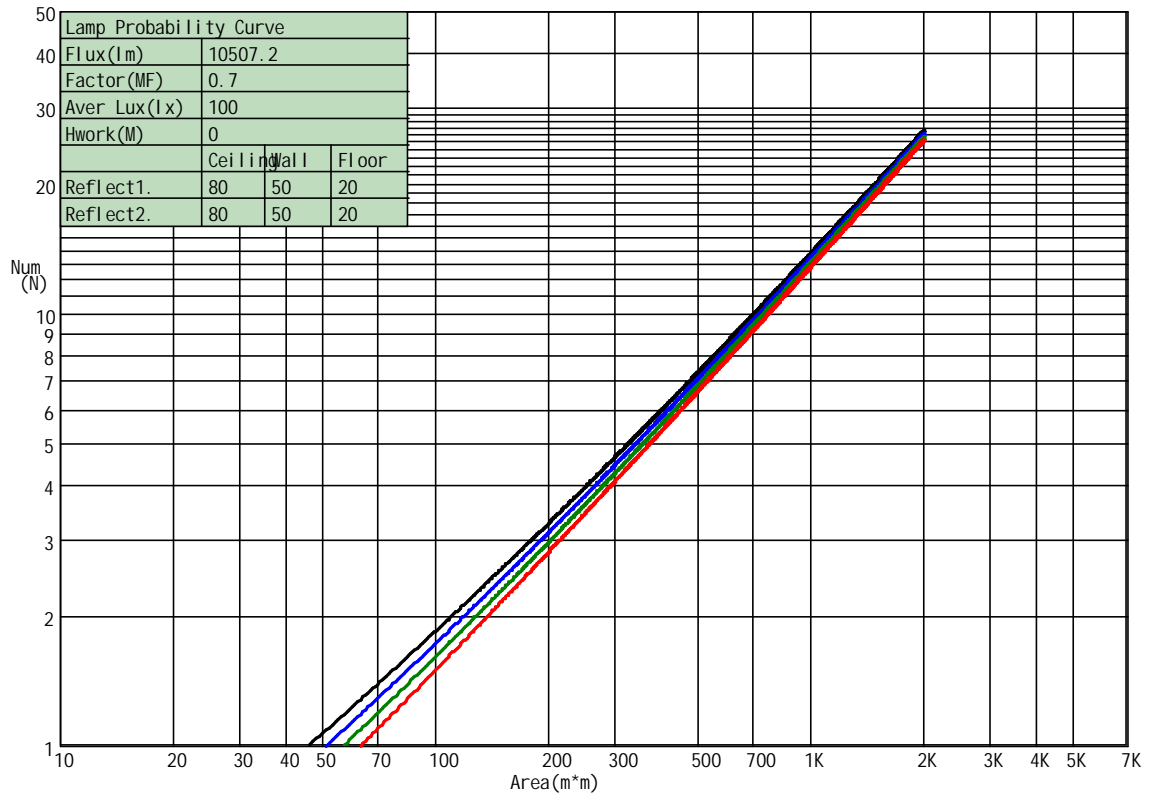
Humi di ty(%): 60

Date: 2019-2-24

Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.22lm		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Lamp Probability Curve



Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humidity(%): 60

Date: 2019-2-24

Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.221m		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

UF Table

Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5
Wall	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3
Floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
0.60	60	47	39	59	47	39	56	45	38
0.80	64	49	40	62	49	39	58	47	38
1.00	67	51	41	64	50	40	60	48	39
1.25	68	52	40	66	51	39	60	48	38
1.50	70	53	40	66	51	39	61	47	37
2.00	71	53	39	67	51	38	61	47	36
2.50	71	53	37	67	50	36	60	46	34
3.00	72	53	36	68	50	35	60	45	32
4.00	72	52	35	68	50	33	59	44	30
5.00	73	52	34	68	49	33	59	43	29

CoEfficients Utilization

Ceiling(%)		0			0			0			0			0	
Wall (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02
1	1.06	1.02	0.99	1.04	1	0.97	0.99	0.97	0.94	0.96	0.93	0.91	0.92	0.9	0.89
2	0.94	0.87	0.82	0.92	0.86	0.81	0.88	0.84	0.79	0.85	0.81	0.78	0.82	0.79	0.76
3	0.83	0.75	0.69	0.81	0.74	0.69	0.79	0.73	0.68	0.76	0.71	0.67	0.73	0.69	0.65
4	0.74	0.66	0.59	0.73	0.65	0.59	0.7	0.63	0.58	0.68	0.62	0.57	0.66	0.61	0.57
5	0.66	0.58	0.51	0.65	0.57	0.51	0.63	0.56	0.5	0.61	0.55	0.5	0.59	0.54	0.49
6	0.6	0.51	0.45	0.59	0.5	0.45	0.57	0.5	0.44	0.55	0.49	0.44	0.54	0.48	0.43
7	0.54	0.45	0.39	0.53	0.45	0.39	0.52	0.44	0.39	0.5	0.44	0.39	0.49	0.43	0.38
8	0.49	0.41	0.35	0.48	0.4	0.35	0.47	0.4	0.35	0.46	0.39	0.35	0.45	0.39	0.34
9	0.45	0.37	0.31	0.44	0.37	0.31	0.43	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31
10	0.41	0.33	0.28	0.41	0.33	0.28	0.4	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28

Gama Angle Range: -90 - 90(Deg)

Gama interval (Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.070

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval (Deg): 45

Humi di ty(%): 60

Date: 2019-2-24

Remark:

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.221m		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight(kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Si ze:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Wall Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.27	0.15	0.05	0.26	0.15	0.05	0.25	0.14	0.05	0.24	0.14	0.04	0.23	0.13	0.04
2	0.26	0.14	0.04	0.26	0.14	0.04	0.24	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04
3	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04	0.21	0.12	0.04
4	0.23	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03
5	0.22	0.11	0.03	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.1	0.03	0.19	0.1	0.03
6	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.09	0.03
7	0.19	0.09	0.03	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03
8	0.18	0.09	0.02	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02
9	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02
10	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.07	0.02	0.14	0.07	0.02

Ceiling Cavity Exitance CoEfficients

Ceiling(%)		0			0			0			0			0	
Wall (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Floor (%)		0			0			0			0			0	
0	0.19	0.19	0.19	0.16	0.16	0.16	0.11	0.11	0.11	0.06	0.06	0.06	0.02	0.02	0.02
1	0.18	0.16	0.14	0.15	0.13	0.12	0.1	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.02
2	0.17	0.13	0.1	0.14	0.11	0.09	0.1	0.08	0.06	0.06	0.05	0.04	0.02	0.01	0.01
3	0.16	0.11	0.08	0.14	0.1	0.07	0.09	0.07	0.05	0.05	0.04	0.03	0.02	0.01	0.01
4	0.15	0.1	0.06	0.13	0.09	0.05	0.09	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.15	0.09	0.05	0.12	0.08	0.04	0.09	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.14	0.08	0.04	0.12	0.07	0.04	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.01	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.03	0.08	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.1	0.06	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.12	0.06	0.02	0.1	0.05	0.02	0.07	0.04	0.01	0.04	0.02	0.01	0.01	0.01	0

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxcg

Date: 2019-2-24

Distance(m): 7.070

Remark:

Test System: ZWL Goni ophotometer System V3.0

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.22lm		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight (kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Ring-shaped Flux Data Table

Gm\C(Deg)	0	45	90	135	180	225	270	315	Range	Ring	T(lm)
5	2921	2822	2769	2888	3008	3240	3205	3162	0-5	71.4	71.4
10	3002	2702	2592	2810	3184	3652	3538	3467	5-10	219	290
15	3166	2596	2436	2737	3459	4248	3995	3953	10-15	382	673
20	3414	2502	2310	2658	3800	4918	4462	4581	15-20	570	1243
25	3672	2412	2219	2555	4116	5443	4617	5196	20-25	775	2017
30	3871	2315	2137	2417	4350	5664	4197	5633	25-30	966	2983
35	4031	2188	2020	2263	4580	5504	3456	5803	30-35	1115	4098
40	4169	2055	1858	2107	4721	4852	2754	5532	35-40	1211	5309
45	4185	1927	1583	1970	4493	3744	2153	4674	40-45	1226	6535
50	3849	1776	972	1788	3832	2515	1690	3427	45-50	1129	7664
55	3127	1432	604	1424	3038	1583	942	2204	50-55	929	8594
60	2427	980	507	977	2593	974	444	1248	55-60	698	9292
65	1940	619	462	624	1233	530	307	672	60-65	500	9792
70	963	456	424	438	439	272	214	333	65-70	306	10097
75	366	362	381	317	199	151	151	187	70-75	179	10276
80	196	273	383	227	85.2	59.7	76.6	85.9	75-80	115	10392
85	97.3	173	283	136	38.1	30.2	30.4	31.6	80-85	74.3	10466
90	73.3	81.7	88.8	71.8	44.5	32.4	31.4	30.4	85-90	41.1	10507
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		

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxg

Date: 2019-2-24

Distance(m): 7.070

Remark:

Test System: ZWL Goniophotometer System V3.0

Measured Para U: 215.5V I: 669.0mA P: 93.60W PF: 0.649 Test LM: 10507.22lm		
Lamp Name: LPSTL-100C01	Lamp Type: CLASS I	Weight (kg):
Lamp ID: LPSTL-100C01	Lamp Spec:	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

CD Table

Gm\C(Deg)	0	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340
5.0	2921	2878	2833	2805	2781	2795	2849	2901	2955	3008	3109	3214	3228	3212	3195	3176	3135	3026
10.0	3002	2871	2735	2666	2616	2640	2739	2851	3020	3184	3389	3601	3615	3563	3522	3490	3416	3205
15.0	3166	2917	2658	2543	2471	2502	2639	2816	3143	3459	3804	4162	4165	4050	3986	3967	3867	3510
20.0	3414	3015	2602	2439	2352	2386	2544	2783	3300	3800	4289	4795	4768	4561	4488	4542	4454	3924
25.0	3672	3121	2550	2349	2261	2292	2444	2725	3433	4116	4697	5298	5172	4798	4744	5006	5030	4339
30.0	3871	3191	2486	2257	2176	2198	2325	2628	3504	4350	4925	5520	5183	4518	4511	5162	5441	4642
35.0	4031	3225	2390	2133	2057	2073	2183	2516	3566	4580	4984	5403	4832	3904	3969	5033	5609	4806
40.0	4169	3244	2286	1990	1901	1913	2025	2393	3577	4721	4778	4838	4164	3213	3362	4621	5383	4766
45.0	4185	3197	2174	1814	1658	1668	1843	2246	3389	4493	4165	3826	3222	2501	2705	3847	4620	4399
50.0	3849	2942	2003	1512	1148	1150	1520	2011	2938	3832	3256	2659	2244	1870	2070	2857	3473	3664
55.0	3127	2385	1618	1161	785	783	1155	1600	2331	3038	2401	1742	1372	1082	1218	1790	2305	2723
60.0	2427	1794	1138	825	611	610	822	1153	1886	2593	1885	1151	800	560	620	984	1377	1911
65.0	1940	1362	763	567	496	497	571	690	966	1233	925	607	457	356	387	552	810	1385
70.0	963	741	512	446	431	427	433	438	438	439	366	291	253	227	240	294	402	687
75.0	366	364	362	368	377	367	338	304	251	199	178	157	151	151	159	175	207	288
80.0	196	230	264	309	359	349	278	212	147	85.2	74	62.5	65.2	72.9	78.6	82.9	98	148
85.0	97.3	131	165	209	259	251	185	126	81	38.1	34.6	31	30.3	30.4	30.7	31.2	38.8	68.5
90.0	73.3	77	80.8	84	87.2	85.1	77.4	68.8	56.4	44.5	39.2	33.7	32.1	31.6	31.2	30.7	35.1	54.5
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
130.0																		
135.0																		
140.0																		
145.0																		
150.0																		
155.0																		
160.0																		
165.0																		
170.0																		
175.0																		
180.0																		

Gama Angle Range: -90 - 90(Deg)

C Angle Range: 0 - 180(Deg)

Gama interval (Deg): 1

C interval (Deg): 45

Temperature(Deg): 30

Humi di ty(%): 60

Tester: zxg

Date: 2019-2-24

Distance(m): 7.070

Remark:

Test System: ZWL Goniophotometer System V3.0