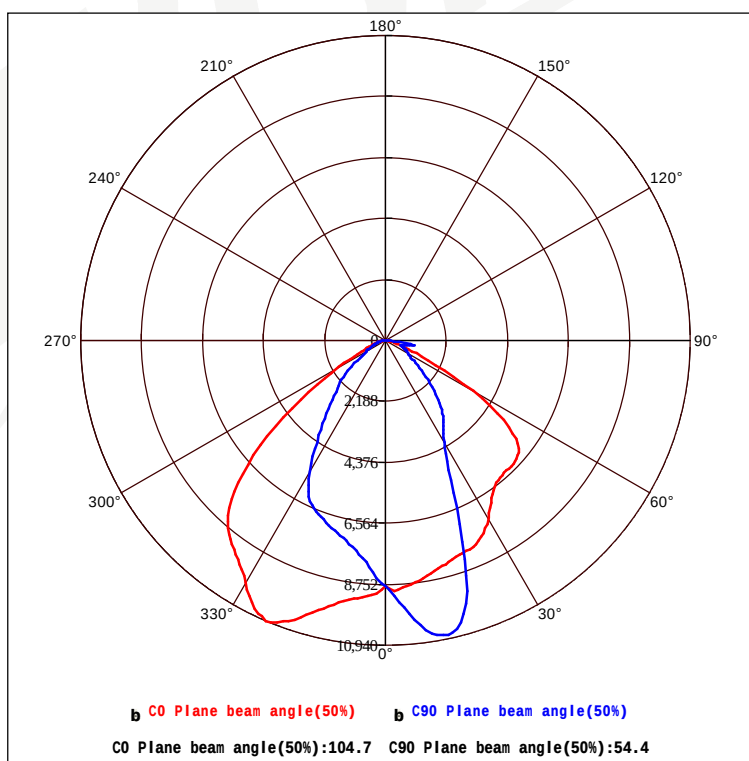


LED STREET LIGHT

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm						
Lamp Name: LPSTL-150W			Lamp Type:		Weight(kg):	
Lamp ID:			Lamp Spec: LPSTL-150W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPSTL-150W		Peak Value(cd)	14360.1	Efficiency(lm/w)	129.0
Nominal P(w)		1.0	Position	135.0,23.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	18358.692	Down(C0-C180)	52.9
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)	47.1

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

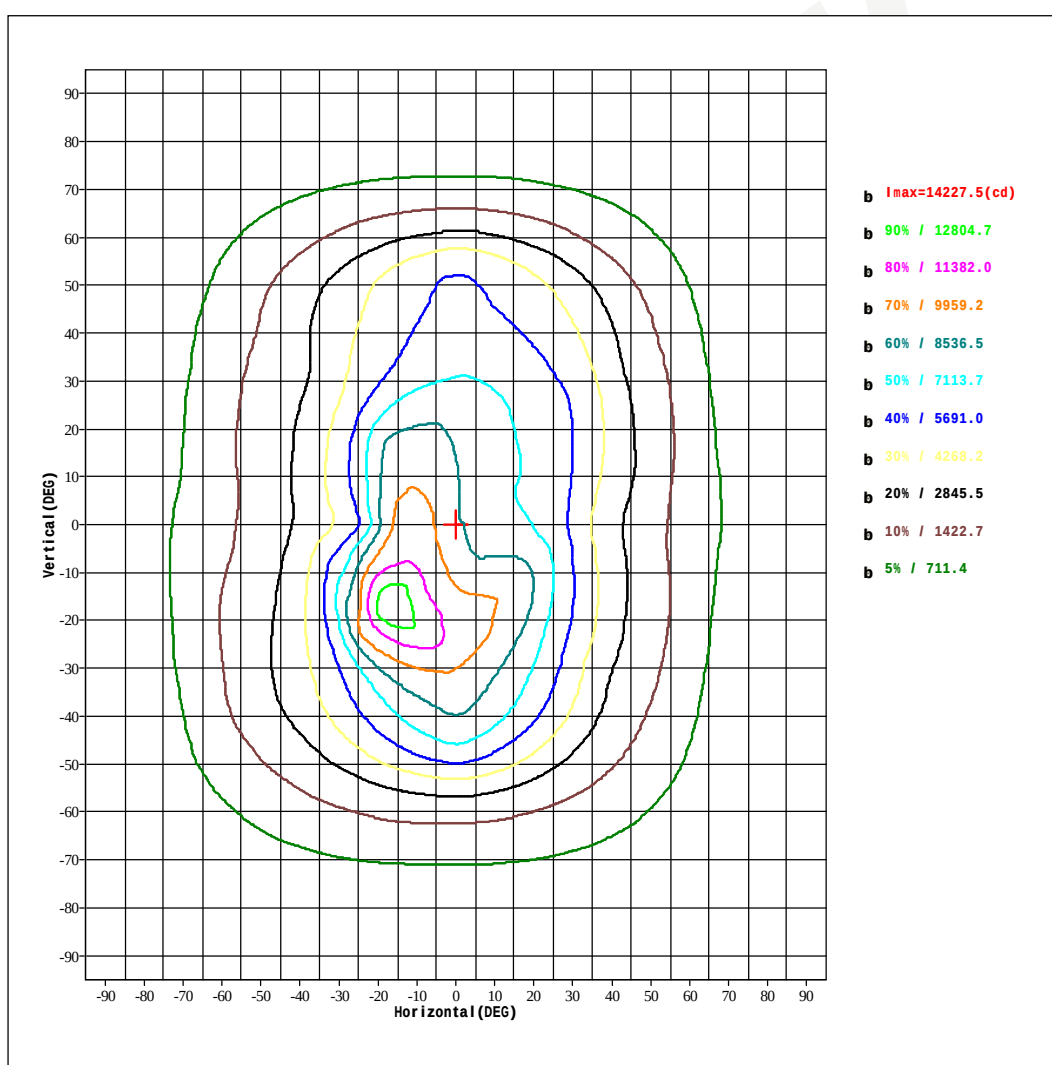
Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	Shape Size:
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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

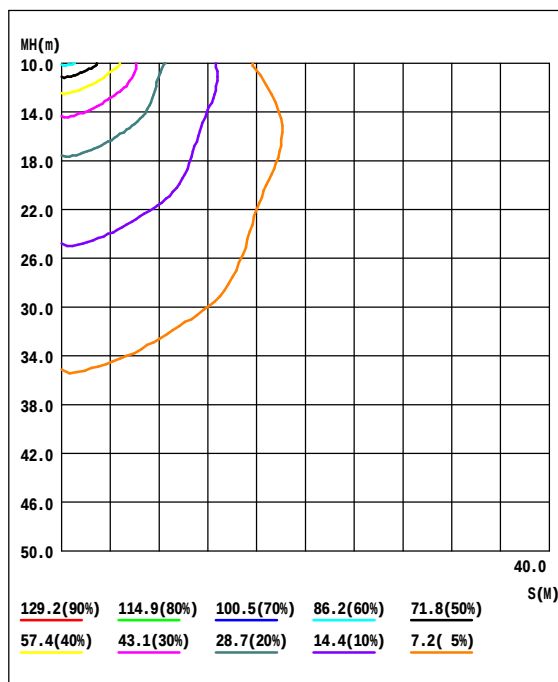
Humidity(%): 60

Date: 2022-5-18

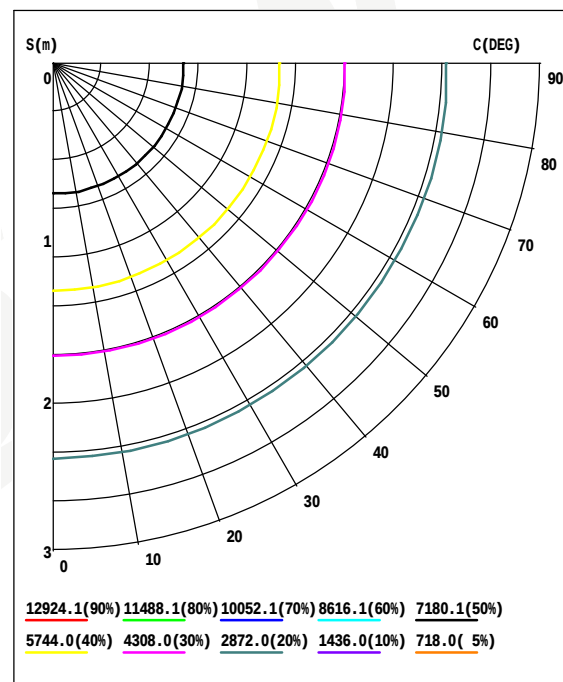
Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	Shape Size:
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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

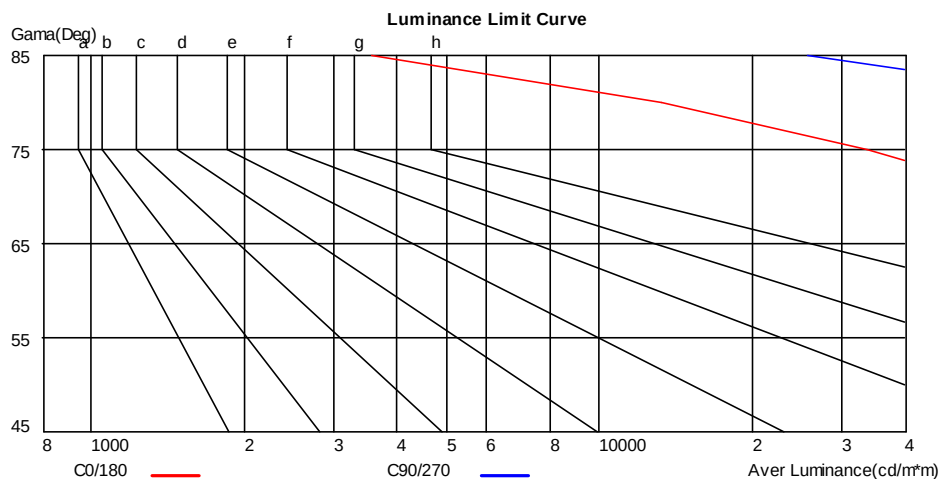
Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m²m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	638491.3	620954.3	527790.3	344812.0	156283.0	69985.8	33636.0	13296.8	3572.5
C90	228081.8	163604.0	114284.8	92464.5	79192.0	64975.0	63818.3	105233.8	25653.5

Glare									
Glare	Class	Illuminance(lx)							
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
		a	b	c	d	e	f	g	h



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

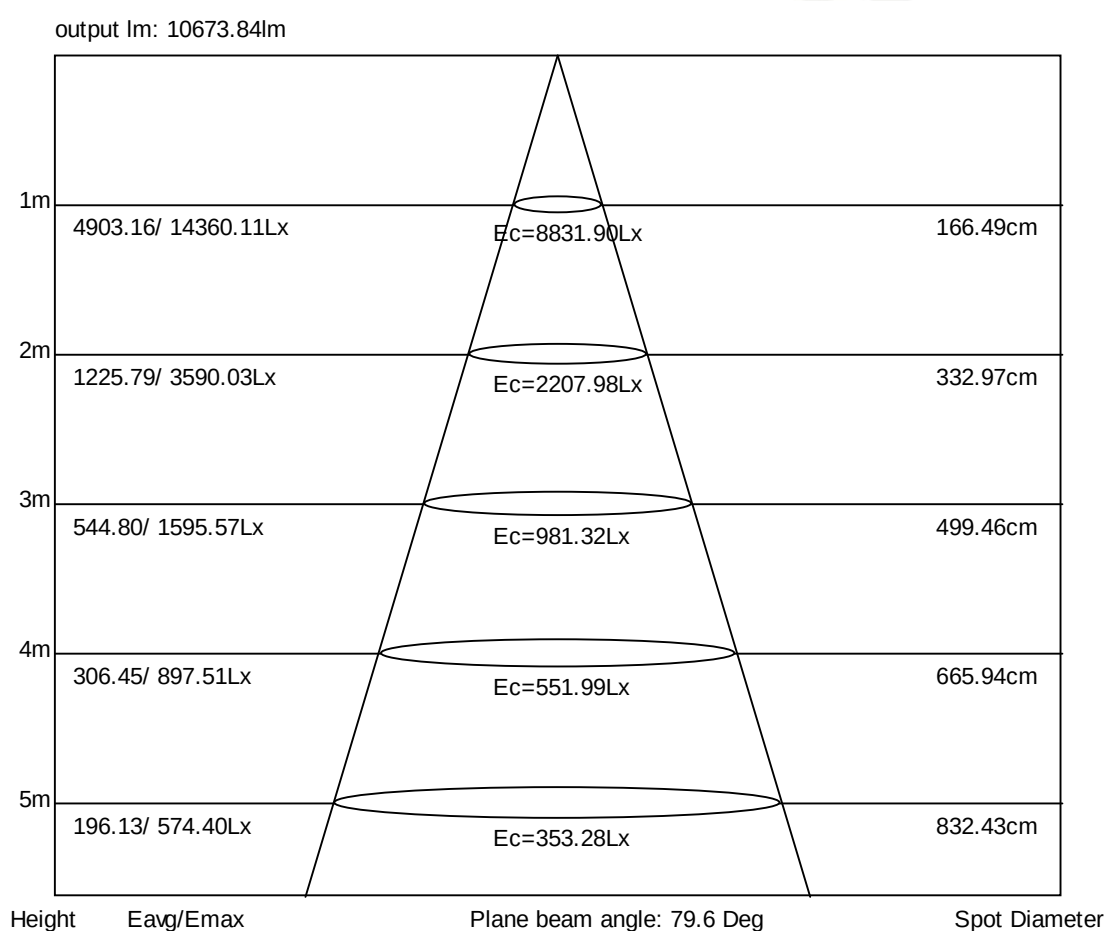
Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Average Illumination



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

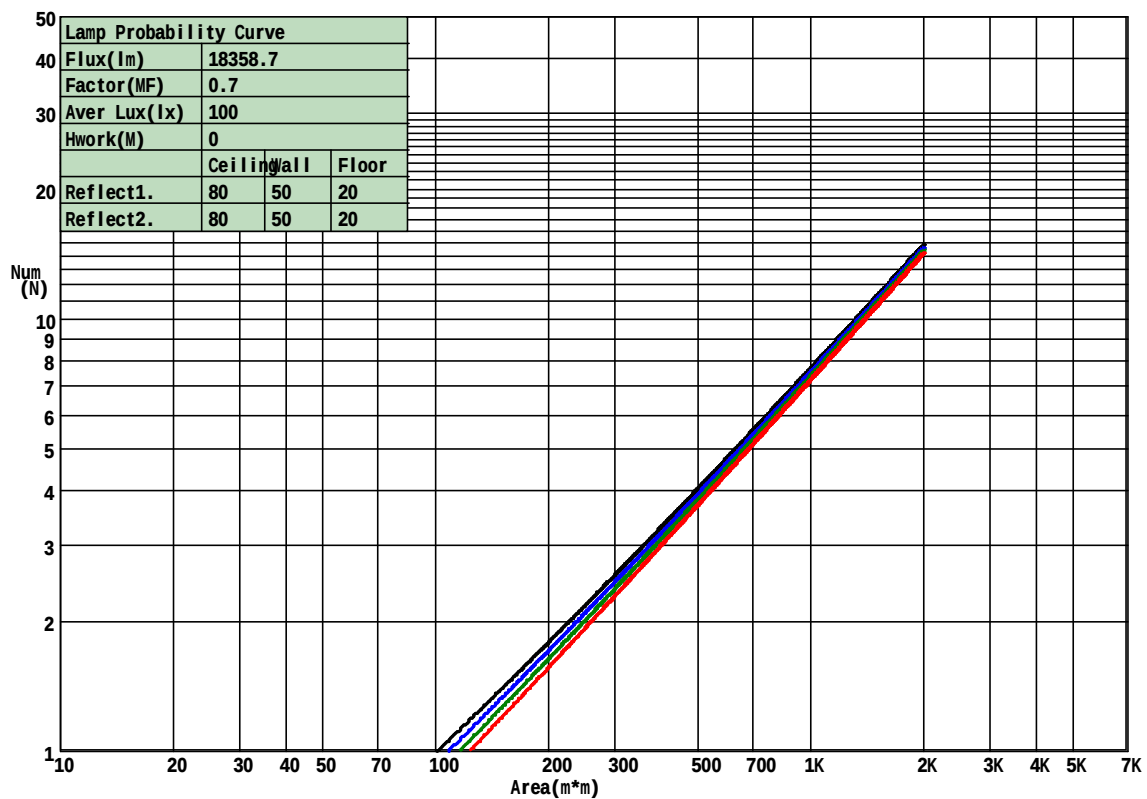
Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	Shape Size:
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	58	44	36	56	43	35	53	42	35
0.80	62	46	36	59	45	36	56	44	35
1.00	64	48	37	62	47	36	57	45	35
1.25	66	49	37	63	48	36	58	45	34
1.50	67	50	36	64	48	35	58	45	34
2.00	69	51	36	66	49	35	59	44	33
2.50	70	51	35	66	48	33	58	43	31
3.00	70	51	34	66	48	33	58	43	30
4.00	71	51	33	66	48	31	58	42	28
5.00	72	51	33	67	48	31	58	42	28

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	1.07	1.04	1.01	1.05	1.02	0.99	1.01	0.98	0.96	0.97	0.95	0.93	0.94	0.92	0.9
2	0.96	0.91	0.86	0.94	0.89	0.85	0.91	0.87	0.83	0.88	0.84	0.81	0.85	0.82	0.79
3	0.86	0.8	0.74	0.85	0.79	0.74	0.82	0.77	0.72	0.8	0.75	0.71	0.77	0.73	0.7
4	0.78	0.71	0.65	0.77	0.7	0.64	0.74	0.68	0.64	0.72	0.67	0.63	0.7	0.66	0.62
5	0.71	0.63	0.57	0.7	0.63	0.57	0.68	0.61	0.56	0.66	0.6	0.56	0.64	0.59	0.55
6	0.65	0.57	0.51	0.64	0.56	0.51	0.62	0.55	0.51	0.6	0.55	0.5	0.59	0.54	0.5
7	0.59	0.51	0.46	0.58	0.51	0.46	0.57	0.5	0.46	0.56	0.5	0.45	0.54	0.49	0.45
8	0.55	0.47	0.42	0.54	0.47	0.41	0.53	0.46	0.41	0.51	0.45	0.41	0.5	0.45	0.41
9	0.5	0.43	0.38	0.5	0.43	0.38	0.49	0.42	0.38	0.48	0.42	0.37	0.47	0.41	0.37
10	0.47	0.4	0.35	0.46	0.39	0.35	0.45	0.39	0.35	0.44	0.39	0.34	0.44	0.38	0.34

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm															
Lamp Name: LPSTL-150W								Lamp Type:				Weight(kg):			
Lamp ID:								Lamp Spec: LPSTL-150W				Shape Size:			
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	0.25	0.14	0.04	0.24	0.14	0.04	0.23	0.13	0.04	0.21	0.12	0.04	0.2	0.12	0.04
2	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04	0.21	0.12	0.04	0.2	0.11	0.04
3	0.22	0.12	0.04	0.22	0.12	0.04	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.11	0.03
4	0.21	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.18	0.1	0.03
5	0.2	0.1	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.17	0.09	0.03
6	0.19	0.09	0.03	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.16	0.09	0.03
7	0.18	0.09	0.02	0.17	0.09	0.02	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02
8	0.17	0.08	0.02	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02
9	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02
10	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02	0.13	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	0.16	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	0.13	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	0.06	0.09	0.06	0.04	0.05	0.04	0.02	0.02	0.01	0.01
5	0.14	0.09	0.05	0.12	0.08	0.05	0.08	0.05	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.13	0.08	0.04	0.11	0.07	0.04	0.08	0.05	0.03	0.05	0.03	0.02	0.01	0.01	0.01
7	0.13	0.07	0.04	0.11	0.06	0.03	0.08	0.04	0.02	0.04	0.03	0.01	0.01	0.01	0
8	0.12	0.07	0.03	0.1	0.06	0.03	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
9	0.12	0.06	0.03	0.1	0.05	0.02	0.07	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0
10	0.11	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)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

Remark:

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	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	8828	9382	9961	9633	9279	8206	7929	7957	0-5	212	212
10	8559	9885	10733	10630	9607	8373	7377	7491	5-10	644	856
15	8283	10116	10352	11602	10199	9570	7036	7326	10-15	1095	1951
20	8112	9699	8057	13574	10779	10112	6714	7362	15-20	1542	3493
25	7913	8603	5338	14055	10805	8824	6310	7190	20-25	1892	5384
30	7312	6795	4151	10823	9952	7294	5313	6756	25-30	2018	7402
35	6674	5117	3562	8399	9314	6118	4053	6178	30-35	1990	9392
40	6399	3929	3042	5732	8712	4895	3107	5470	35-40	1882	11274
45	6385	3079	2281	4465	7505	3639	2373	4474	40-45	1743	13017
50	6210	2432	1636	3691	5654	2609	1808	3245	45-50	1551	14569
55	5278	1868	1143	2985	3503	1873	1052	2291	50-55	1282	15850
60	3448	1421	925	2211	1805	1267	779	1551	55-60	961	16811
65	1563	1050	792	1466	887	775	543	889	60-65	638	17449
70	700	739	650	864	498	433	407	367	65-70	388	17837
75	336	488	638	436	290	204	272	186	70-75	238	18075
80	133	265	1052	217	141	75.8	196	74.7	75-80	166	18241
85	35.7	81.4	257	90.1	45.8	30	34.9	37.7	80-85	93	18334
90	40.1	34.6	26.2	30.4	41.6	33.7	40.2	41.6	85-90	24.7	18359
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)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

Remark:

Lamp Photometric Data

Page 10 Of 10

Measured Para U: 216.3V I: 666.0mA P: 142.30W PF: 0.988 Test LM: 18358.69lm		
Lamp Name: LPSTL-150W	Lamp Type:	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-150W	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	8828	9070	9321	9572	9834	9889	9741	9594	9434	9279	8810	8323	8115	7989	7935	7948	8052	8447
10.0	8559	9139	9740	10k	11k	11k	11k	11k	10k	9607	9067	8508	8046	7595	7402	7453	7608	8092
15.0	8283	9085	9916	10k	10k	11k	11k	11k	11k	10k	9924	9639	8739	7590	7099	7231	7430	7864
20.0	8112	8806	9526	9160	8416	9264	12k	13k	12k	11k	10k	10k	8997	7457	6855	7149	7444	7784
25.0	7913	8215	8528	7532	6052	7245	11k	14k	12k	11k	9938	9040	7999	6860	6503	6901	7269	7597
30.0	7312	7085	6851	5927	4729	5610	8634	11k	10k	9952	8789	7584	6644	5746	5629	6283	6817	7069
35.0	6674	5993	5287	4607	3902	4620	6812	8499	8913	9314	7916	6468	5441	4505	4518	5481	6232	6457
40.0	6399	5319	4200	3638	3236	3630	4849	6058	7408	8712	7042	5312	4308	3498	3624	4694	5571	5993
45.0	6385	4939	3441	2817	2456	2759	3748	4797	6175	7505	5813	4062	3223	2650	2832	3784	4683	5549
50.0	6210	4557	2845	2171	1810	2086	3017	3906	4795	5654	4322	2942	2346	1983	2122	2774	3569	4913
55.0	5278	3786	2241	1630	1301	1546	2380	3042	3276	3503	2790	2051	1603	1231	1323	1884	2617	3971
60.0	3448	2561	1642	1258	1033	1206	1789	2166	1982	1805	1570	1326	1107	886	948	1298	1759	2618
65.0	1563	1338	1106	965	848	939	1245	1403	1140	887	838	787	699	594	619	776	963	1268
70.0	700	717	735	710	669	697	793	824	658	498	470	440	425	413	398	380	403	554
75.0	336	403	471	537	605	594	502	420	354	290	252	213	226	257	253	214	202	270
80.0	133	191	250	523	880	870	491	209	175	141	113	83	115	169	169	114	81.1	107
85.0	35.7	55.7	76.4	139	218	220	145	85.2	65.2	45.8	38.9	31.7	31.6	33.8	35.5	36.8	37.5	36.6
90.0	40.1	37.7	35.2	31.8	28	27.1	29	31.6	36.7	41.6	38.1	34.5	35.8	38.8	40.5	41.1	41.4	40.8
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)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2022-5-18

Remark: