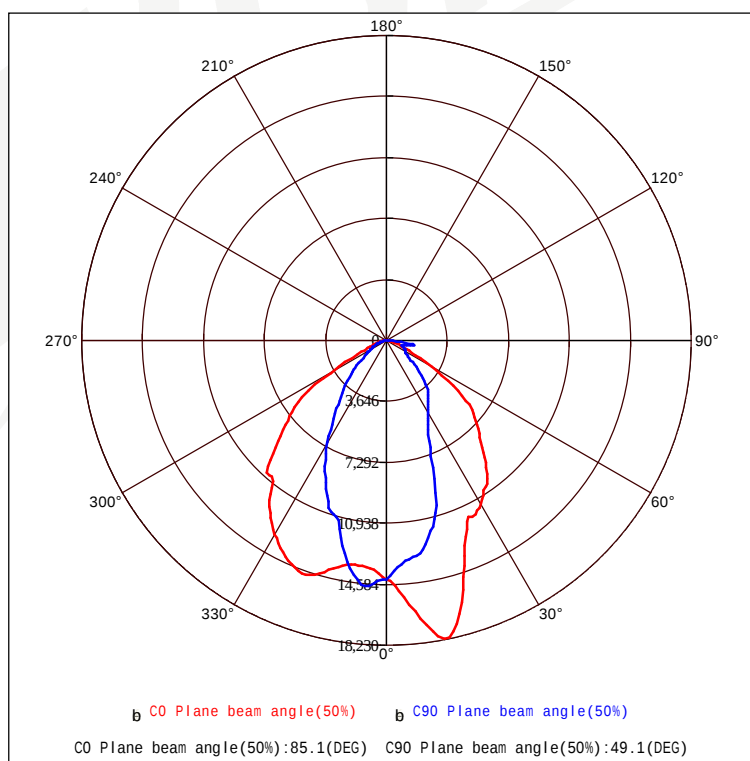


LED DOWN LIGHT

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm						
Lamp Name: LPSTL-200W			Lamp Type: CLASS I		Weight(kg):	
Lamp ID:			Lamp Spec: LPSTL-200W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPSTL-200W		Peak Value(cd)	18319.0	Efficiency(lm/w)	120.8
Nominal P(w)		1.0	Position	0.0,11.0	UP(C0-C180)	0.0
Rated Volt(v)		220.0	Total Flux(lm)	23560.624	Down(C0-C180)	51.5
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)	48.5

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

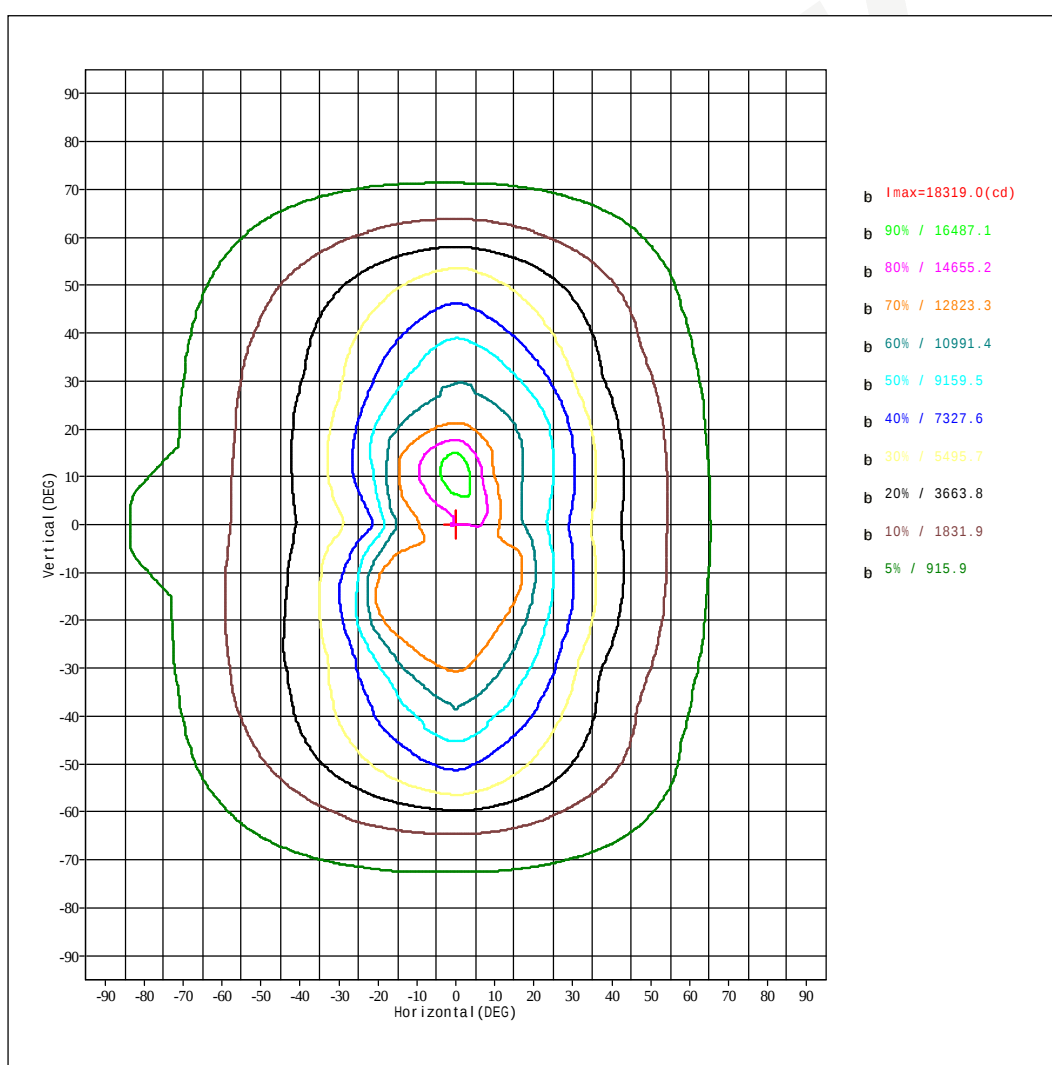
Humidity(%): 60

Date: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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

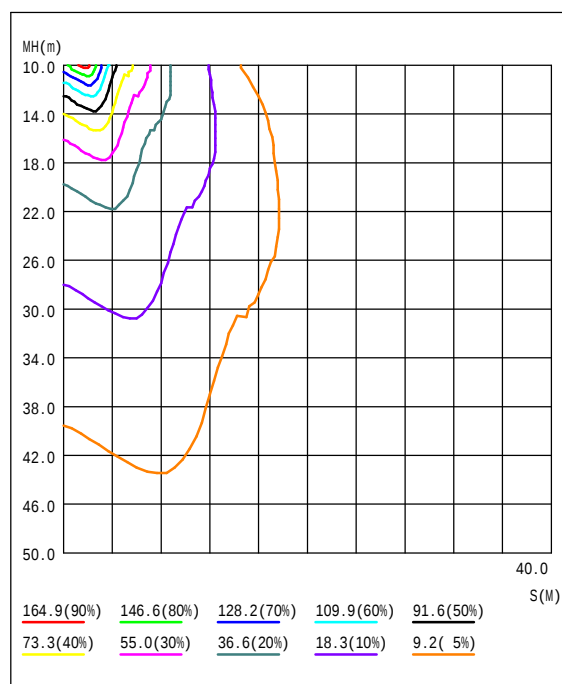
Humidity(%): 60

Date: 2020-10-20

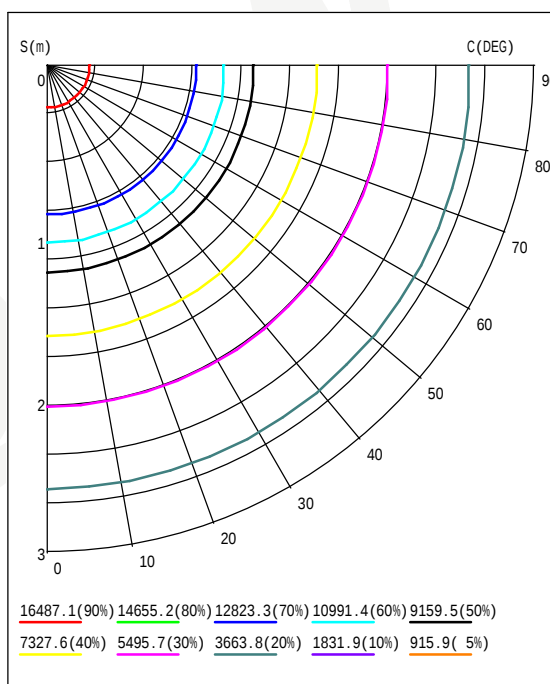
Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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: 2020-10-20

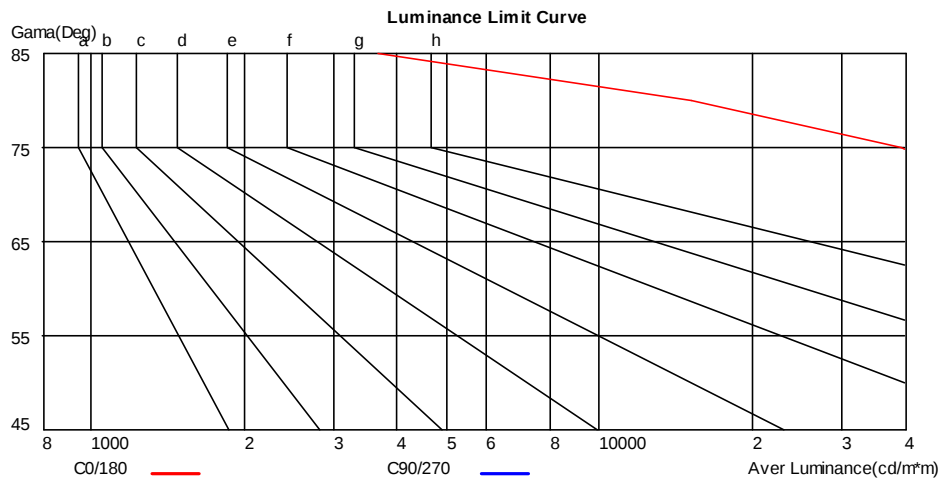
Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	Shape Size:
Manufactory: LIPER	Sur(m ²):	Protect Angle(Deg):

Luminance Limit Curve

Aver Luminance(cd/m ² m)									
Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	772997.8	668014.8	504535.3	288014.0	137238.5	72552.0	39405.3	15219.0	3671.8
C90	284592.8	196022.3	144559.8	130587.5	116858.3	96483.3	117237.2	168460.8	51082.3

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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

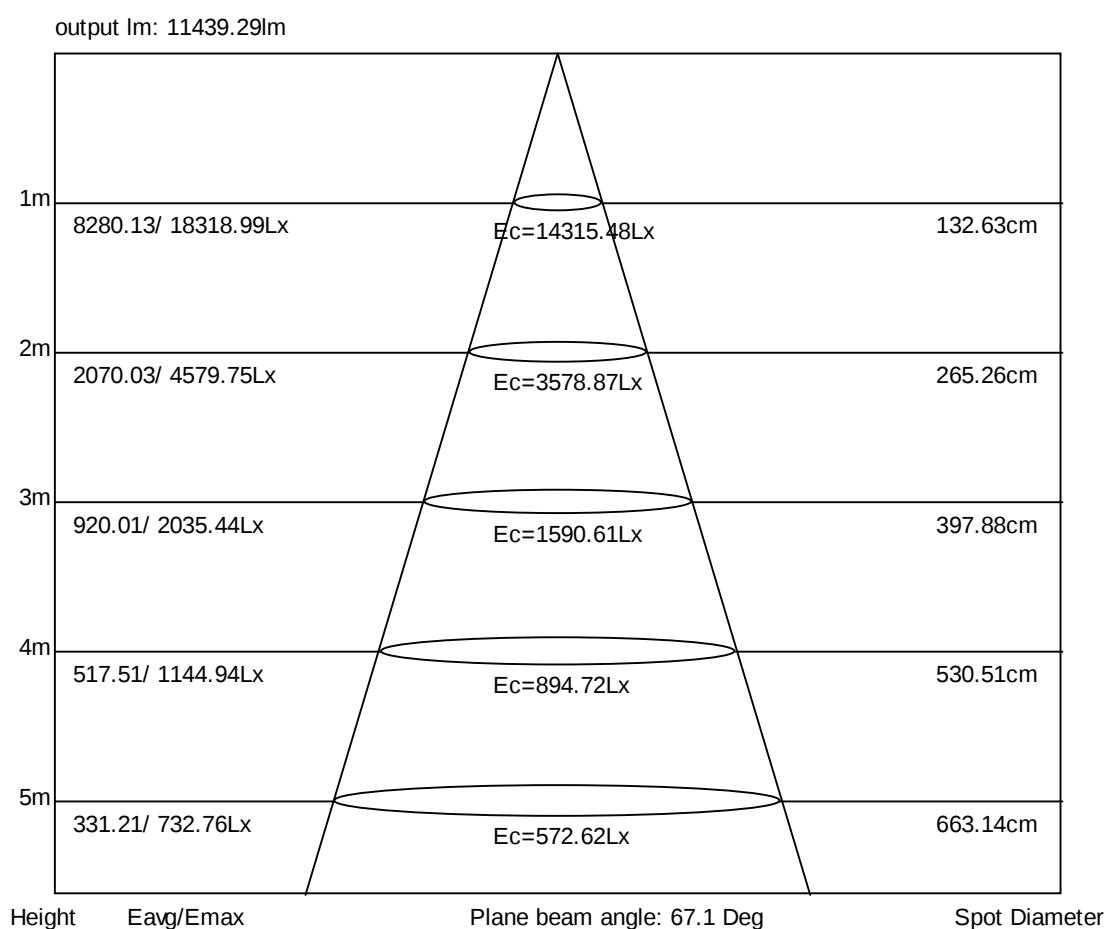
Humidity(%): 60

Date: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

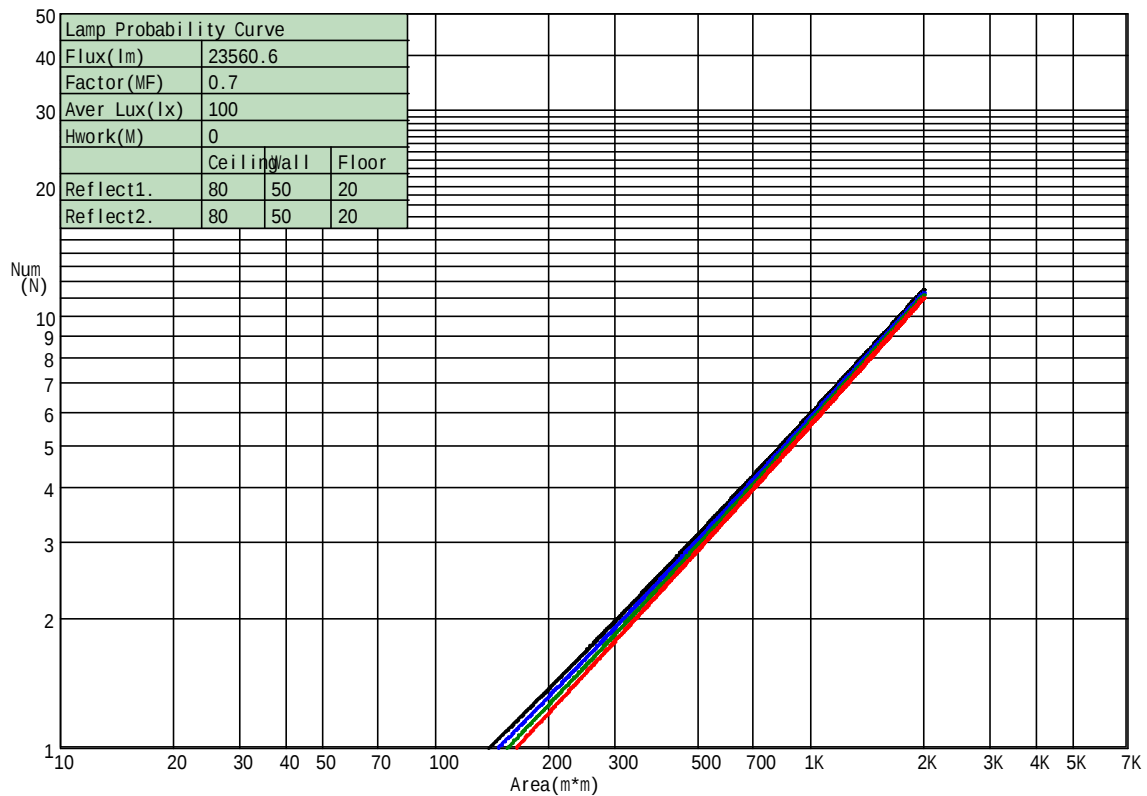
Humidity(%): 60

Date: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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	60	47	39	59	47	39	56	45	38
0.80	63	48	38	60	47	37	57	45	36
1.00	64	48	37	62	47	37	57	45	35
1.25	66	49	36	63	47	35	58	44	34
1.50	67	49	35	64	47	34	58	44	33
2.00	69	50	35	65	48	34	58	44	32
2.50	69	50	34	65	47	33	58	43	30
3.00	70	50	34	66	48	32	58	43	29
4.00	71	51	33	67	48	32	58	43	29
5.00	72	52	33	67	49	32	58	43	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	0.99	0.96	0.97	0.95	0.93	0.94	0.92	0.91
2	0.97	0.91	0.87	0.95	0.9	0.86	0.91	0.87	0.84	0.88	0.85	0.82	0.85	0.83	0.8
3	0.87	0.81	0.75	0.86	0.8	0.75	0.83	0.78	0.73	0.8	0.76	0.72	0.78	0.74	0.71
4	0.79	0.72	0.66	0.78	0.71	0.66	0.76	0.7	0.65	0.73	0.68	0.64	0.71	0.67	0.63
5	0.72	0.65	0.59	0.71	0.64	0.59	0.69	0.63	0.58	0.67	0.62	0.57	0.66	0.61	0.57
6	0.66	0.58	0.53	0.65	0.58	0.53	0.64	0.57	0.52	0.62	0.56	0.52	0.6	0.55	0.51
7	0.61	0.53	0.48	0.6	0.53	0.48	0.59	0.52	0.47	0.57	0.51	0.47	0.56	0.51	0.47
8	0.56	0.49	0.44	0.56	0.48	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.52	0.47	0.43
9	0.52	0.45	0.4	0.52	0.45	0.4	0.51	0.44	0.4	0.5	0.44	0.4	0.49	0.43	0.39
10	0.49	0.42	0.37	0.48	0.41	0.37	0.47	0.41	0.37	0.46	0.41	0.36	0.45	0.4	0.36

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: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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	0.24	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04	0.21	0.12	0.04	0.2	0.12	0.04
2	0.23	0.13	0.04	0.23	0.12	0.04	0.22	0.12	0.04	0.2	0.11	0.04	0.2	0.11	0.03
3	0.22	0.12	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03
4	0.21	0.11	0.03	0.2	0.11	0.03	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03
5	0.19	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03	0.18	0.09	0.03	0.17	0.09	0.03
6	0.18	0.09	0.03	0.18	0.09	0.03	0.17	0.09	0.03	0.17	0.09	0.03	0.16	0.08	0.03
7	0.17	0.09	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
8	0.16	0.08	0.02	0.16	0.08	0.02	0.15	0.08	0.02	0.15	0.08	0.02	0.14	0.07	0.02
9	0.15	0.07	0.02	0.15	0.07	0.02	0.15	0.07	0.02	0.14	0.07	0.02	0.14	0.07	0.02
10	0.15	0.07	0.02	0.14	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	0.11	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	0.15	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	0.07	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	0.11	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	0.09	0.05	0.02	0.07	0.04	0.02	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: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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	16073	14528	13204	13555	13571	13457	14751	16831	0-5	345	345
10	18130	14596	12575	13589	13677	13796	13216	14852	5-10	1032	1377
15	16627	14474	10724	14958	14420	15488	10939	12285	10-15	1666	3042
20	13387	12914	7712	16528	14821	13918	10063	11426	15-20	2186	5228
25	11506	10577	5758	14456	14184	11131	8497	10796	20-25	2449	7678
30	11191	8461	4890	10639	13247	9367	6861	9739	25-30	2551	10229
35	10346	6554	4318	7651	12026	7705	5200	7833	30-35	2500	12728
40	9002	5218	3763	5848	10611	5879	4001	5788	35-40	2316	15044
45	7730	4230	2846	4844	9390	4068	3033	4144	40-45	2094	17138
50	6680	3406	1960	4038	7740	2703	2231	2991	45-50	1810	18948
55	5045	2611	1446	3239	6265	1810	1421	2138	50-55	1512	20460
60	2880	1906	1306	2395	3566	1259	1060	1400	55-60	1147	21607
65	1372	1360	1169	1624	1510	848	735	754	60-65	746	22353
70	726	957	965	1037	836	467	512	388	65-70	473	22826
75	394	645	1172	641	484	214	293	198	70-75	314	23141
80	152	381	1685	371	224	76.9	78.1	64.8	75-80	242	23383
85	36.7	140	511	166	66.7	47.5	47.8	57.4	80-85	137	23520
90	42.4	36.4	42.4	33.6	64	51.9	59.1	60.6	85-90	40.3	23561
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: 2020-10-20

Remark:

Measured Para U: 215.5V I: 920.0mA P: 195.00W PF: 0.984 Test LM: 23560.62lm		
Lamp Name: LPSTL-200W	Lamp Type: CLASS I	Weight(kg):
Lamp ID:	Lamp Spec: LPSTL-200W	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	16k	15k	15k	14k	13k	13k	13k	14k	14k	14k	14k	13k	14k	14k	15k	16k	17k	16k
10.0	18k	17k	15k	14k	13k	13k	13k	14k	14k	14k	14k	14k	14k	13k	14k	14k	15k	17k
15.0	17k	16k	15k	13k	12k	12k	14k	15k	15k	14k	15k	15k	14k	12k	11k	12k	13k	15k
20.0	13k	13k	13k	11k	8850	9640	14k	16k	16k	15k	14k	14k	13k	11k	10k	11k	12k	13k
25.0	12k	11k	11k	8996	6812	7661	12k	14k	14k	14k	13k	11k	10k	9074	9000	10k	11k	11k
30.0	11k	9997	8760	7289	5671	6147	8753	11k	12k	13k	12k	9792	8545	7409	7491	8795	9898	11k
35.0	10k	8687	6969	5820	4807	5047	6558	8130	10k	12k	10k	8177	6883	5748	5776	6969	8108	9247
40.0	9002	7346	5632	4741	4082	4220	5164	6369	8527	11k	8541	6396	5263	4412	4392	5202	6139	7596
45.0	7730	6199	4613	3776	3149	3283	4188	5341	7401	9390	7062	4650	3728	3260	3276	3779	4536	6161
50.0	6680	5248	3764	2932	2276	2415	3356	4443	6120	7740	5536	3254	2548	2334	2397	2741	3394	5066
55.0	5045	3981	2878	2229	1701	1838	2650	3570	4941	6265	4316	2297	1682	1506	1578	1903	2456	3773
60.0	2880	2454	2013	1709	1437	1544	2038	2523	3054	3566	2557	1511	1194	1104	1134	1289	1562	2233
65.0	1372	1367	1362	1297	1211	1268	1475	1612	1560	1510	1220	920	811	759	739	748	822	1102
70.0	726	827	932	960	963	981	1014	1015	924	836	674	507	482	502	485	429	425	578
75.0	394	504	617	818	1057	1056	815	624	553	484	366	244	240	276	272	229	219	308
80.0	152	252	356	808	1399	1397	802	355	288	224	160	93	77.3	77.8	75.2	69.2	74.4	114
85.0	36.7	82	129	262	430	435	279	155	110	66.7	58.3	49.6	47.6	47.8	49.9	54.3	55.2	45.8
90.0	42.4	39.8	37.1	38.4	41.1	40.5	36.5	37	50.7	64	58.7	53.3	54.3	57.6	59.5	60.1	58.6	50.4
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: 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: 2020-10-20

Remark: