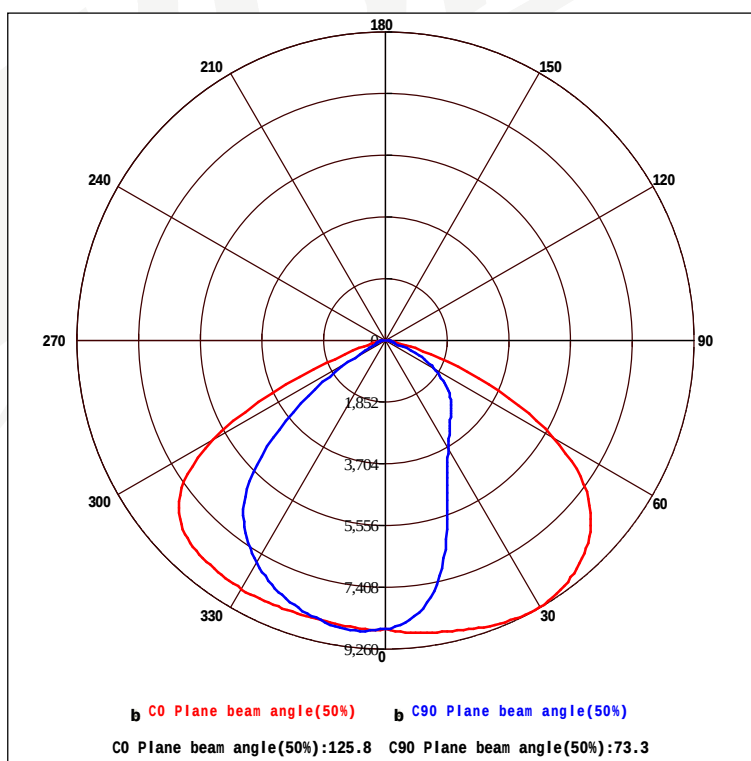


Goniophotometer Test Report

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm						
Lamp Name: LED STREET LIGHT			Lamp Type:		Weight(kg):	
Lamp ID: LPSTL-200GS01			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)	9252.1	Efficiency(lm/w)	127.5
Nominal P(w)		1.0	Position	0.0,29.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	25195.28	Down(C0-C180)	46.2
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)	53.8

Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

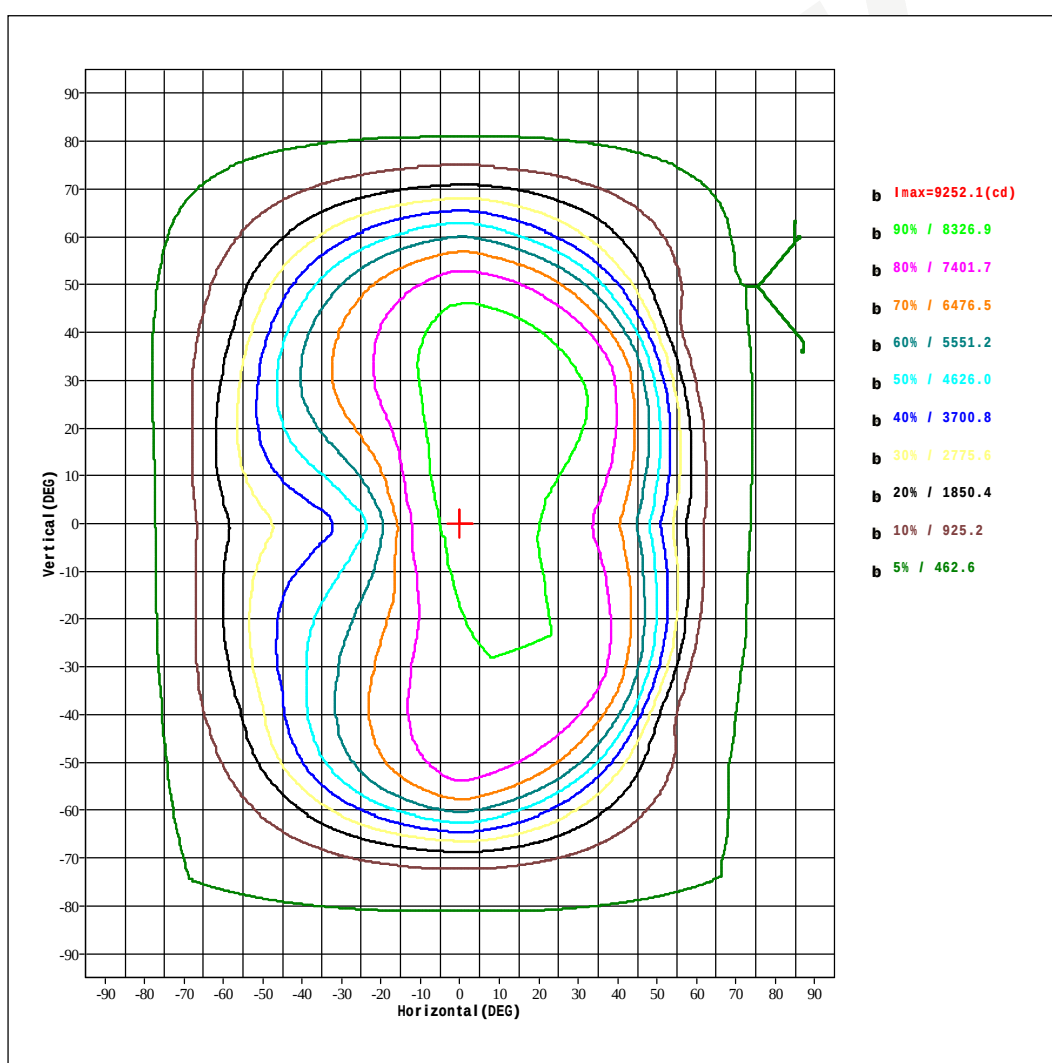
Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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: zxg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

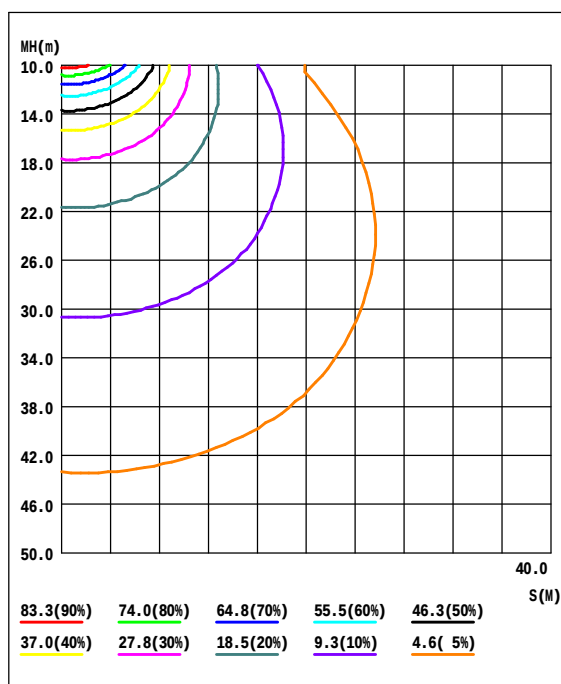
Humidity(%): 60

Date: 2024-10-20

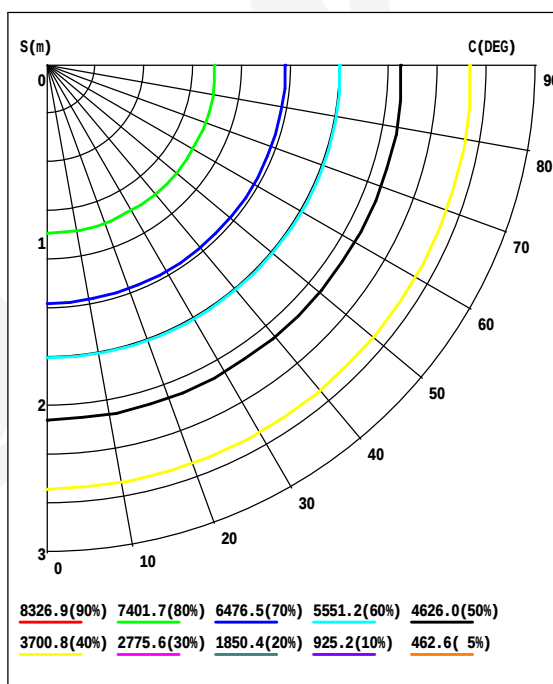
Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	Lamp Spec: LPSTL-200W	Shape Size:
Manufactory: LIPER	Sur(m^2):	Protect Angle(Deg):

Luminance Limit Curve

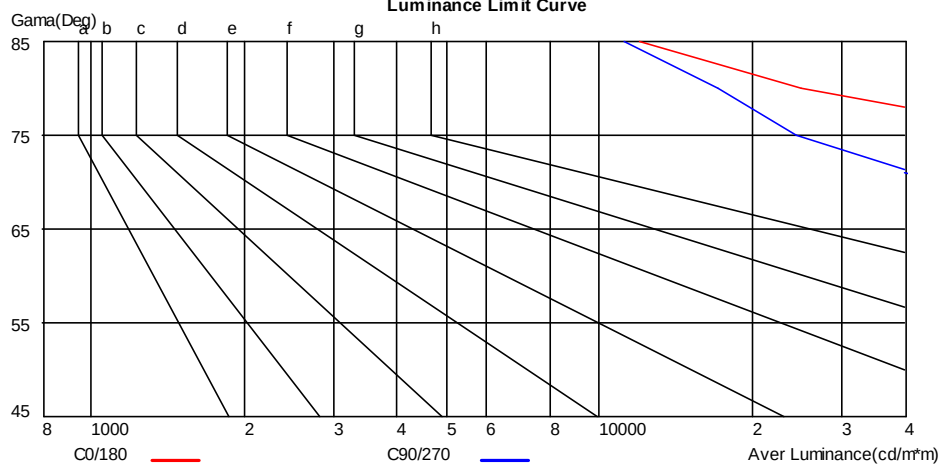
Aver Luminance(cd/m²m)

Gm(Deg)	45	50	55	60	65	70	75	80	85
C0	854634.5	796815.5	702982.4	563991.5	391612.9	214630.3	84377.0	25066.0	11999.1
C90	277662.9	246197.6	205930.8	162905.9	116071.2	48111.6	24547.0	17186.8	11172.0

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

Luminance Limit Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

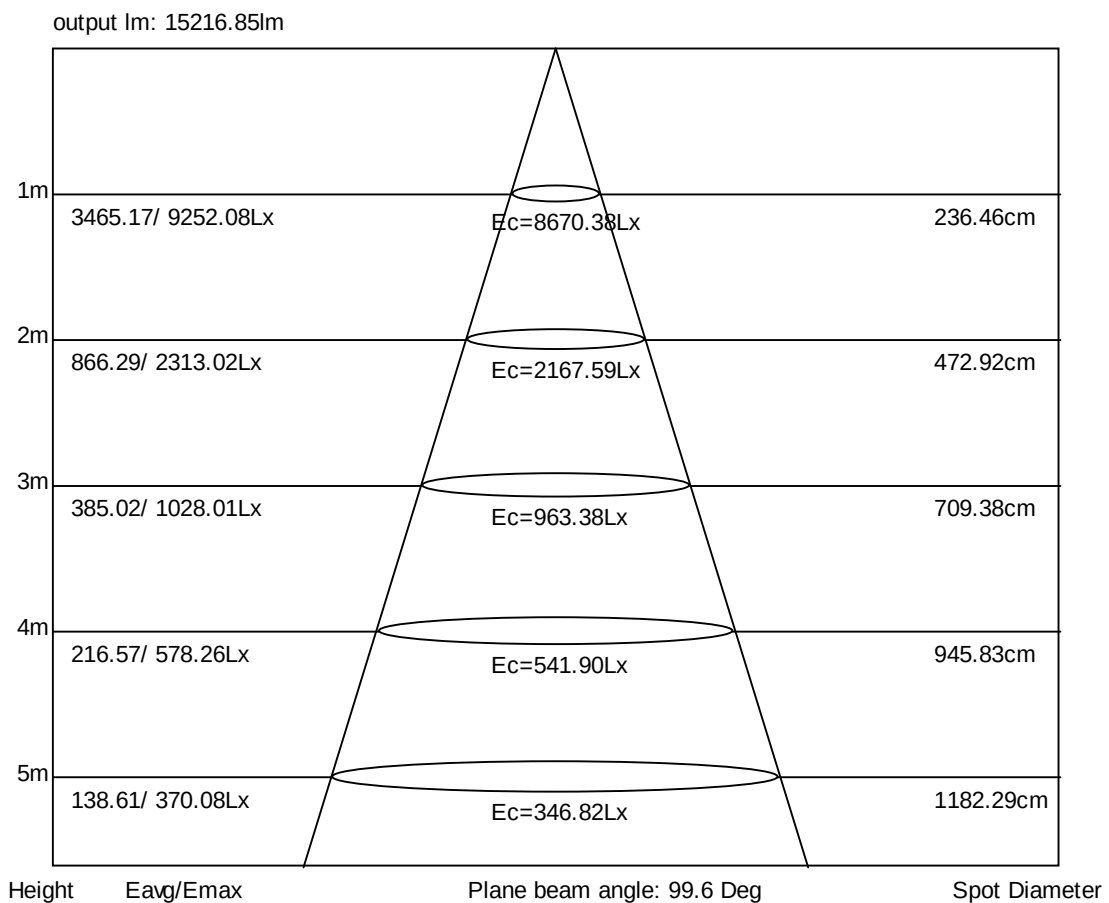
Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

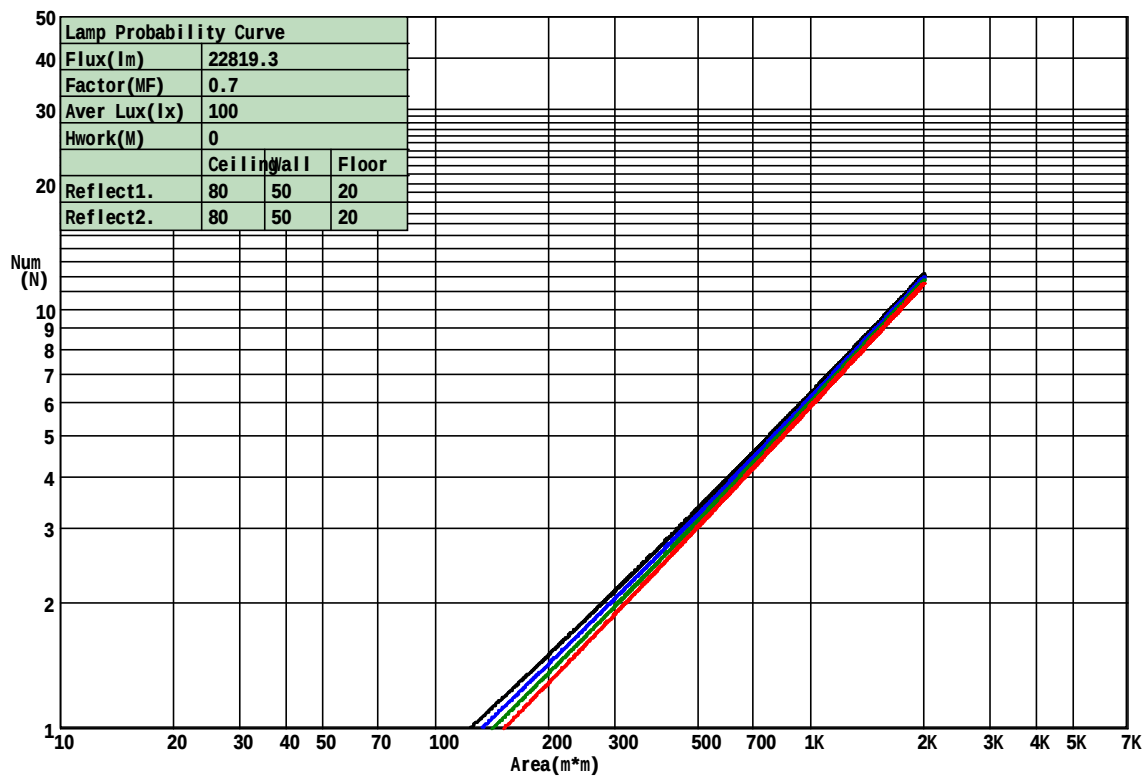
Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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: zyg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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	59	46	37	58	45	37	55	44	37
0.80	63	49	39	61	48	38	58	46	38
1.00	66	51	40	64	49	39	59	47	38
1.25	68	52	40	66	50	39	60	48	38
1.50	69	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	67	50	35	60	45	32
4.00	72	52	35	68	49	33	59	44	30
5.00	72	52	34	68	49	32	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	1.03	0.99	1.04	1.01	0.98	1	0.97	0.95	0.96	0.94	0.92	0.92	0.91	0.89
2	0.94	0.88	0.83	0.92	0.87	0.82	0.89	0.84	0.8	0.85	0.82	0.78	0.83	0.79	0.76
3	0.83	0.76	0.7	0.82	0.75	0.69	0.79	0.73	0.68	0.76	0.71	0.67	0.74	0.69	0.66
4	0.74	0.66	0.6	0.73	0.65	0.59	0.7	0.64	0.59	0.68	0.62	0.58	0.66	0.61	0.57
5	0.66	0.58	0.52	0.65	0.57	0.51	0.63	0.56	0.51	0.61	0.55	0.5	0.59	0.54	0.5
6	0.6	0.51	0.45	0.59	0.51	0.45	0.57	0.5	0.45	0.55	0.49	0.44	0.54	0.48	0.44
7	0.54	0.46	0.4	0.53	0.45	0.4	0.52	0.45	0.39	0.5	0.44	0.39	0.49	0.43	0.39
8	0.49	0.41	0.35	0.49	0.41	0.35	0.47	0.4	0.35	0.46	0.4	0.35	0.45	0.39	0.35
9	0.45	0.37	0.32	0.45	0.37	0.32	0.44	0.36	0.32	0.42	0.36	0.31	0.41	0.36	0.31
10	0.42	0.34	0.29	0.41	0.34	0.29	0.4	0.33	0.29	0.39	0.33	0.28	0.38	0.33	0.28

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm															
Lamp Name: LED STREET LIGHT								Lamp Type:				Weight(kg):			
Lamp ID: LPSTL-200W								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	0.26	0.15	0.05	0.26	0.15	0.05	0.24	0.14	0.04	0.23	0.13	0.04	0.22	0.13	0.04
2	0.26	0.14	0.04	0.25	0.14	0.04	0.24	0.13	0.04	0.23	0.13	0.04	0.22	0.12	0.04
3	0.24	0.13	0.04	0.24	0.13	0.04	0.23	0.12	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	0.03	0.22	0.11	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	0.2	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	0.17	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	0.07	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	0.03	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)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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	8803	8604	8369	8422	8666	8760	8753	8748	0-5	207	207
10	8900	8410	7749	8038	8631	8764	8698	8816	5-10	613	820
15	9012	8043	6650	7433	8616	8729	8536	8833	10-15	993	1813
20	9130	7596	5277	6795	8610	8700	8325	8845	15-20	1329	3142
25	9226	7252	4292	6377	8625	8662	8047	8858	20-25	1631	4773
30	9246	7033	3716	6101	8622	8623	7680	8840	25-30	1916	6689
35	9133	6861	3304	5803	8584	8543	7207	8780	30-35	2174	8863
40	8905	6629	3005	5478	8522	8301	6550	8555	35-40	2383	11246
45	8546	6240	2777	5042	8378	7769	5496	8081	40-45	2511	13757
50	7968	5650	2462	4464	8032	6718	3988	7163	45-50	2504	16261
55	7030	4716	2059	3657	7272	4830	2433	5432	50-55	2292	18553
60	5640	3390	1629	2646	5804	2036	1166	2843	55-60	1817	20370
65	3916	2035	1161	1648	3506	557	484	718	60-65	1167	21538
70	2146	1078	481	926	1438	369	287	351	65-70	649	22186
75	844	612	245	544	500	247	227	225	70-75	328	22514
80	251	345	172	282	210	152	155	154	75-80	165	22679
85	120	169	112	114	123	83.2	93.1	121	80-85	87.8	22767
90	76.4	84.3	67	59.3	115	84.2	72.1	125	85-90	52.2	22819
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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-10-20

Remark:

Measured Para U: 214.6V I: 1677.3mA P: 197.61W PF: 0.549 Test LM: 25195.28lm		
Lamp Name: LED STREET LIGHT	Lamp Type:	Weight(kg):
Lamp ID: LPSTL-200W	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	8803	8716	8626	8527	8420	8380	8404	8448	8559	8666	8707	8749	8757	8754	8752	8749	8754	8779
10.0	8900	8686	8464	8193	7894	7812	7943	8102	8371	8631	8689	8749	8742	8713	8724	8778	8826	8863
15.0	9012	8588	8149	7586	6955	6821	7176	7562	8098	8616	8665	8716	8665	8578	8601	8736	8853	8934
20.0	9130	8459	7764	6835	5784	5609	6297	6993	7816	8610	8649	8690	8577	8407	8439	8674	8876	9005
25.0	9226	8363	7468	6281	4940	4748	5693	6623	7641	8625	8641	8658	8460	8181	8224	8592	8898	9065
30.0	9246	8278	7275	5944	4442	4238	5318	6377	7519	8622	8622	8623	8314	7886	7934	8460	8885	9069
35.0	9133	8139	7110	5694	4082	3850	4983	6107	7367	8584	8566	8548	8105	7499	7551	8264	8818	8978
40.0	8905	7909	6878	5440	3798	3546	4667	5811	7191	8522	8426	8325	7726	6933	6988	7897	8593	8752
45.0	8546	7537	6492	5104	3534	3272	4299	5407	6918	8378	8111	7835	7023	5994	6062	7233	8132	8343
50.0	7968	6954	5903	4604	3159	2900	3807	4855	6471	8032	7457	6862	5823	4586	4683	6121	7251	7616
55.0	7030	6018	4969	3844	2640	2409	3133	4052	5690	7272	6204	5097	4044	2957	3089	4448	5607	6331
60.0	5640	4656	3636	2812	2014	1851	2312	2991	4422	5804	4155	2448	1750	1356	1533	2293	3149	4416
65.0	3916	3093	2241	1748	1352	1267	1488	1851	2693	3506	2216	879	533	500	535	641	1067	2517
70.0	2146	1679	1195	882	612	578	780	982	1214	1438	970	486	342	305	301	330	547	1361
75.0	844	742	637	492	326	311	446	539	519	500	389	275	241	231	226	225	292	573
80.0	251	292	335	288	210	196	246	274	242	210	184	158	153	154	155	154	165	208
85.0	120	142	164	150	124	112	113	115	119	123	105	87.5	86.5	90.9	99.1	112	121	120
90.0	76.4	79.8	83.4	78.6	70.8	65.3	61.9	65.5	90.9	115	102	87.6	80.2	74.8	83.7	108	120	97.6
95.0																		
100.0																		
105.0																		
110.0																		
115.0																		
120.0																		
125.0																		
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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): 7.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2024-10-20

Remark: