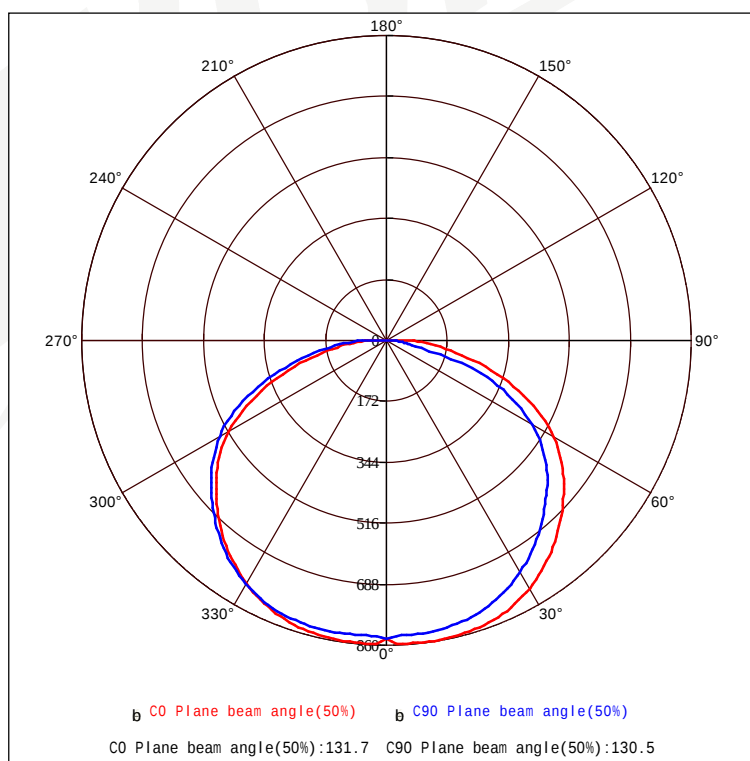


LED LAMP

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm						
Lamp Name: LPQP40W			Lamp Type:		Weight(kg):	
Lamp ID: LPUF-40AS-02			Lamp Spec: LPQP40W		Shape Size:	
Manufactory: LIPER			Sur(m^2):		Protect Angle(Deg):	
Light Source Data			Photometric Data			
Model	LPQP40W		Peak Value(cd)	859.0	Efficiency(lm/w)	78.3
Nominal P(w)		1.0	Position	0.0,8.0	UP(C0-C180)	0.0
Rated Volt(v)		1.0	Total Flux(lm)	2952.675	Down(C0-C180)	49.1
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)	50.9

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

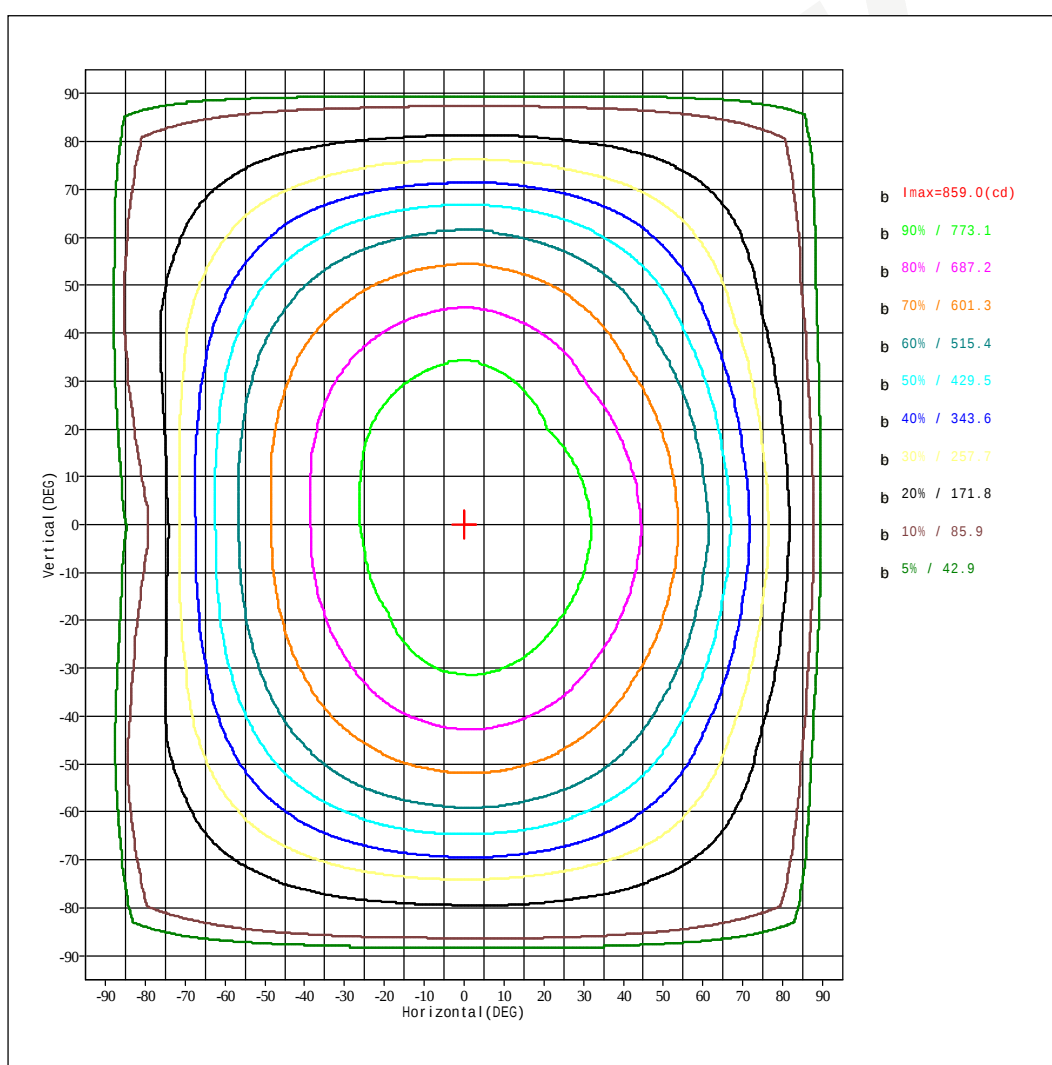
Humidity(%): 60

Date: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

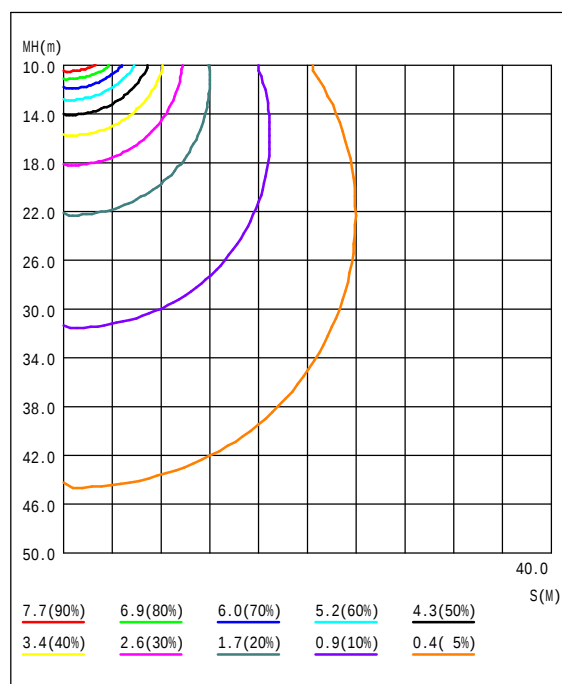
Humidity(%): 60

Date: 2021-5-5

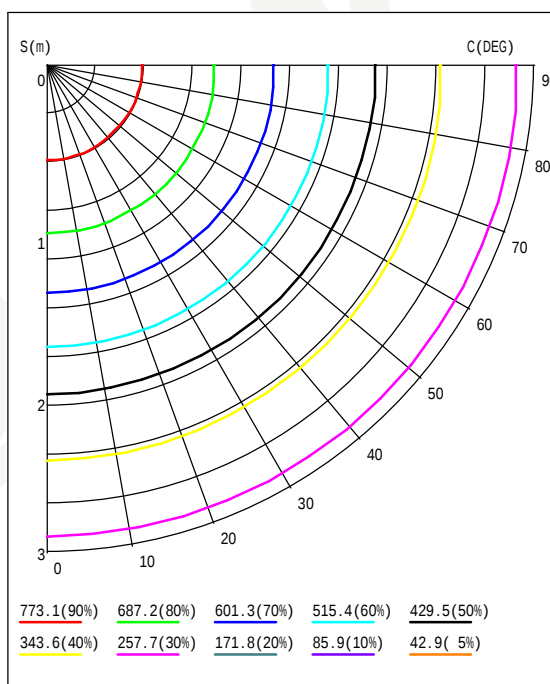
Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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: zxg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-5-5

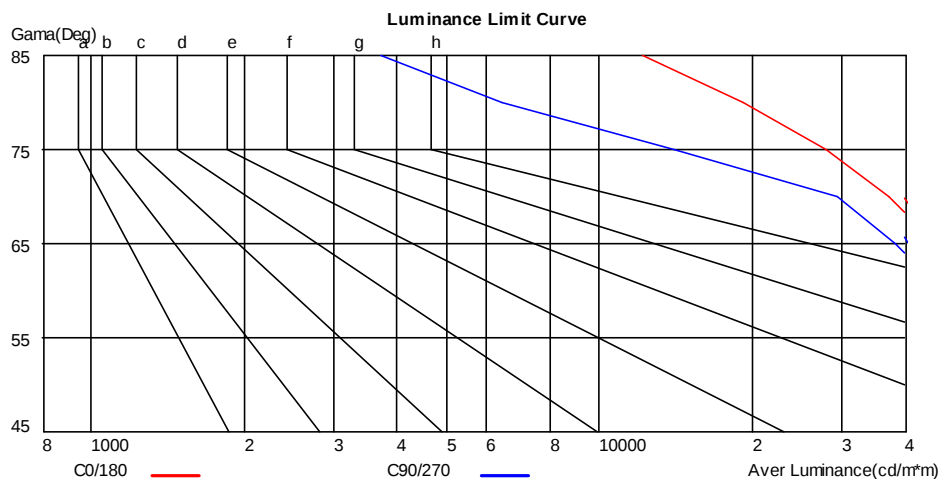
Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	Shape Size:
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	69358.5	64784.0	59859.0	53970.5	46338.5	37340.0	28024.0	19159.0	12171.0
C90	63064.5	58728.5	53453.0	46651.0	38365.5	29362.0	14040.8	6407.8	3712.5

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

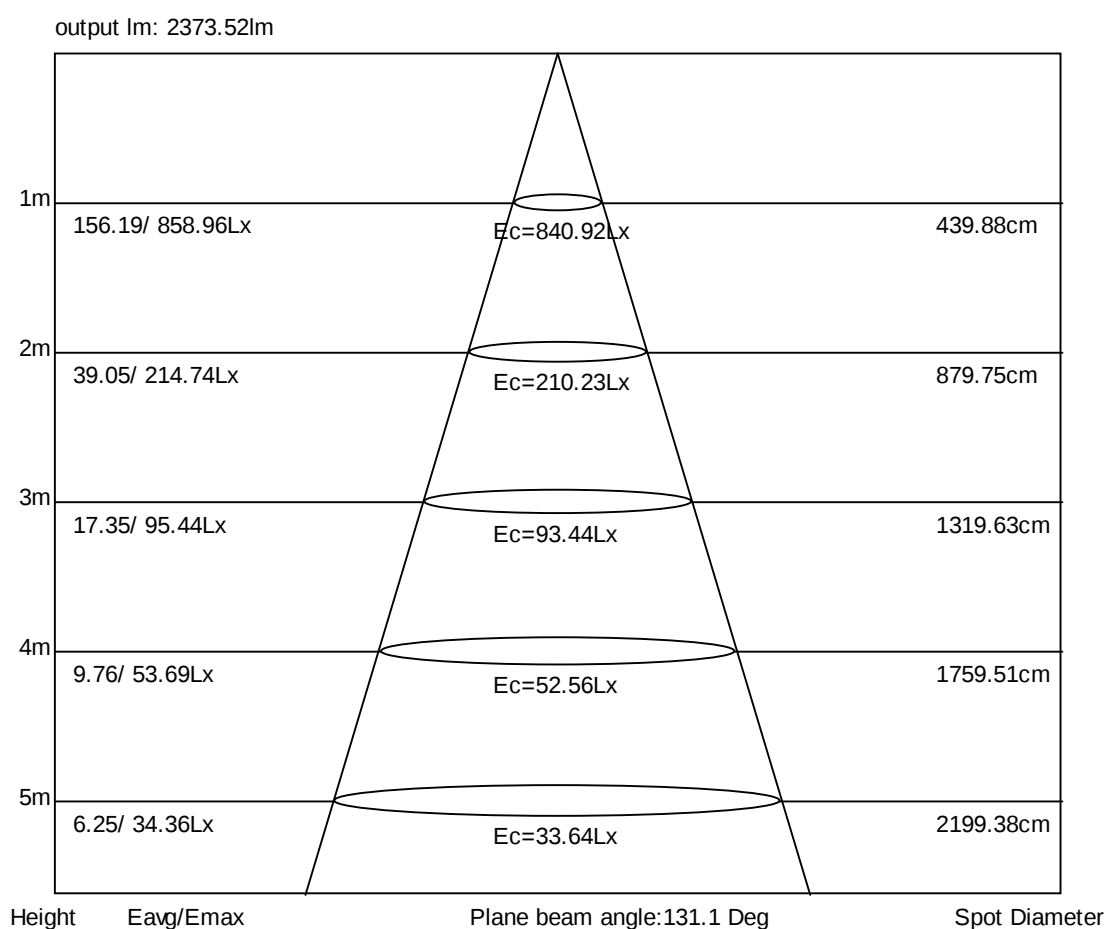
Humidity(%): 60

Date: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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

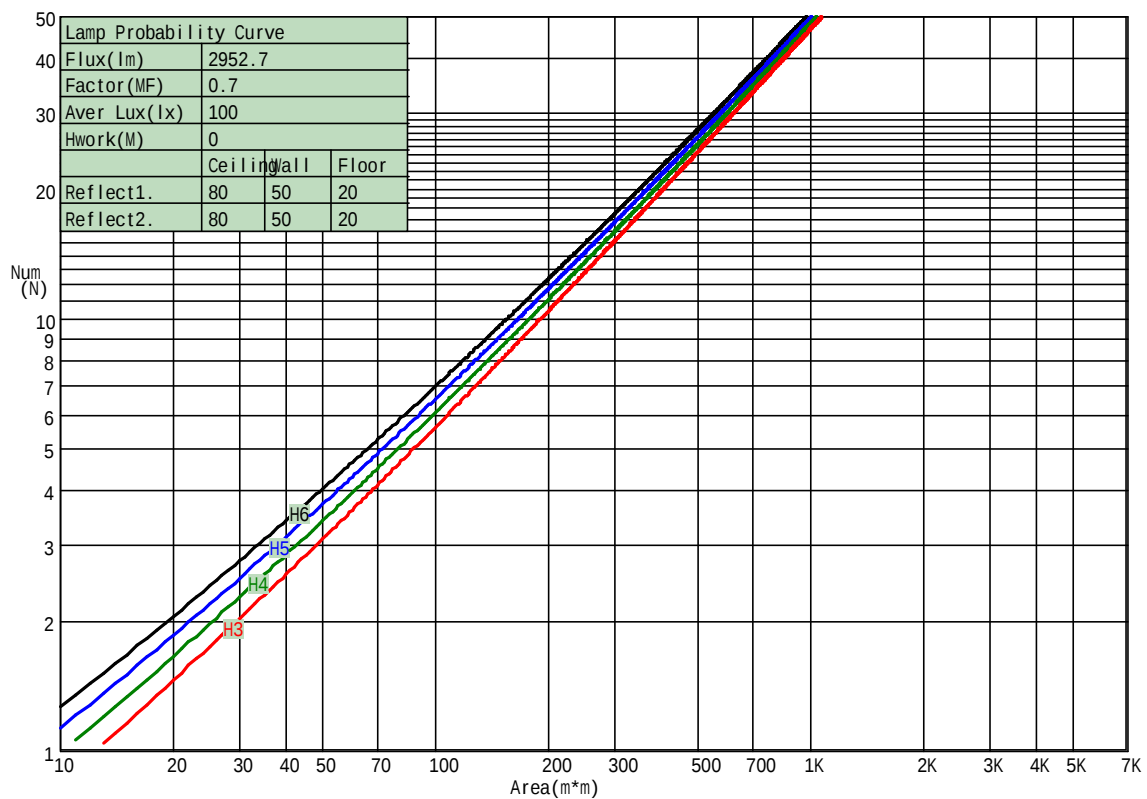
Humidity(%): 60

Date: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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	52	37	28	50	36	27	47	35	27
0.80	57	41	30	55	40	29	51	38	28
1.00	61	43	32	58	42	31	53	40	30
1.25	64	46	33	61	44	32	55	41	31
1.50	66	47	34	62	46	33	56	42	31
2.00	69	50	35	65	48	34	58	44	32
2.50	70	51	35	66	48	34	59	44	31
3.00	71	52	35	67	49	34	59	44	31
4.00	72	53	36	68	50	34	60	44	31
5.00	73	54	36	69	50	34	60	45	31

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	1.02	0.97	0.93	1	0.95	0.92	0.95	0.92	0.89	0.92	0.89	0.86	0.88	0.85	0.83
2	0.88	0.81	0.74	0.86	0.79	0.73	0.82	0.77	0.72	0.79	0.74	0.7	0.76	0.72	0.68
3	0.77	0.68	0.61	0.75	0.67	0.6	0.72	0.65	0.59	0.69	0.63	0.58	0.66	0.61	0.57
4	0.67	0.58	0.51	0.66	0.57	0.5	0.63	0.56	0.5	0.61	0.54	0.49	0.59	0.53	0.48
5	0.6	0.5	0.43	0.59	0.5	0.43	0.56	0.49	0.42	0.54	0.47	0.42	0.52	0.46	0.41
6	0.54	0.44	0.37	0.53	0.44	0.37	0.51	0.43	0.37	0.49	0.42	0.36	0.47	0.41	0.36
7	0.48	0.39	0.33	0.47	0.39	0.33	0.46	0.38	0.32	0.44	0.37	0.32	0.43	0.37	0.32
8	0.44	0.35	0.29	0.43	0.35	0.29	0.42	0.34	0.29	0.41	0.34	0.28	0.39	0.33	0.28
9	0.4	0.32	0.26	0.4	0.31	0.26	0.38	0.31	0.26	0.37	0.3	0.26	0.36	0.3	0.25
10	0.37	0.29	0.23	0.36	0.29	0.23	0.35	0.28	0.23	0.34	0.28	0.23	0.34	0.27	0.23

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: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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	0.34	0.2	0.06	0.34	0.19	0.06	0.32	0.19	0.06	0.31	0.18	0.06	0.3	0.17	0.06
2	0.32	0.17	0.05	0.31	0.17	0.05	0.3	0.17	0.05	0.29	0.16	0.05	0.28	0.16	0.05
3	0.29	0.15	0.05	0.28	0.15	0.05	0.27	0.15	0.04	0.26	0.14	0.04	0.25	0.14	0.04
4	0.26	0.14	0.04	0.26	0.14	0.04	0.25	0.13	0.04	0.24	0.13	0.04	0.23	0.13	0.04
5	0.24	0.12	0.04	0.24	0.12	0.04	0.23	0.12	0.04	0.22	0.12	0.03	0.21	0.11	0.03
6	0.22	0.11	0.03	0.22	0.11	0.03	0.21	0.11	0.03	0.2	0.11	0.03	0.2	0.1	0.03
7	0.21	0.1	0.03	0.2	0.1	0.03	0.2	0.1	0.03	0.19	0.1	0.03	0.18	0.1	0.03
8	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
9	0.18	0.09	0.02	0.18	0.09	0.02	0.17	0.08	0.02	0.17	0.08	0.02	0.16	0.08	0.02
10	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

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	0.13	0.16	0.13	0.11	0.11	0.09	0.08	0.06	0.05	0.05	0.02	0.02	0.01
2	0.18	0.13	0.1	0.15	0.11	0.08	0.1	0.08	0.06	0.06	0.05	0.03	0.02	0.01	0.01
3	0.17	0.11	0.07	0.14	0.1	0.06	0.1	0.07	0.04	0.06	0.04	0.03	0.02	0.01	0.01
4	0.16	0.1	0.06	0.14	0.09	0.05	0.09	0.06	0.03	0.05	0.04	0.02	0.02	0.01	0.01
5	0.15	0.09	0.05	0.13	0.08	0.04	0.09	0.06	0.03	0.05	0.03	0.02	0.02	0.01	0.01
6	0.15	0.08	0.04	0.13	0.07	0.03	0.09	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
7	0.14	0.08	0.03	0.12	0.07	0.03	0.08	0.05	0.02	0.05	0.03	0.01	0.02	0.01	0
8	0.13	0.07	0.03	0.11	0.06	0.02	0.08	0.04	0.02	0.05	0.03	0.01	0.01	0.01	0
9	0.13	0.07	0.02	0.11	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): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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	858	844	834	828	858	846	835	829	0-5	20.1	20.1
10	859	843	830	825	855	845	836	830	5-10	60.2	80.3
15	855	837	821	818	849	839	834	825	10-15	99.4	180
20	846	827	805	805	836	827	827	814	15-20	137	316
25	829	808	781	785	816	807	813	796	20-25	171	487
30	805	782	751	757	789	780	791	770	25-30	200	687
35	774	749	716	724	754	746	762	738	30-35	224	912
40	736	711	675	684	714	706	726	699	35-40	242	1154
45	694	667	631	641	670	663	686	657	40-45	254	1408
50	648	622	587	596	623	616	642	611	45-50	259	1667
55	599	572	535	546	571	563	594	560	50-55	258	1924
60	540	511	467	484	506	495	538	496	55-60	248	2173
65	463	432	384	407	425	410	465	415	60-65	226	2399
70	373	343	294	321	334	319	378	325	65-70	193	2592
75	280	253	140	234	244	229	287	235	70-75	150	2742
80	192	170	64.1	156	162	150	200	155	75-80	104	2846
85	122	100	37.1	92.7	96.6	87	126	94.6	80-85	67.3	2913
90	75.2	54.9	23.7	49.2	52.5	59.4	66.7	70.4	85-90	39.6	2953
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: 2021-5-5

Remark:

Measured Para U: 218.6V I: 275.0mA P: 37.70W PF: 0.626 Test LM: 2952.68lm		
Lamp Name: LPQP40W	Lamp Type:	Weight(kg):
Lamp ID: LPUF-40AS-02	Lamp Spec: LPQP40W	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	858	852	846	841	836	833	830	831	844	858	852	847	842	837	834	831	833	846
10.0	859	852	845	839	833	829	826	828	842	855	851	846	842	838	835	832	833	846
15.0	855	847	839	832	824	820	819	821	835	849	844	840	837	835	832	828	828	842
20.0	846	837	829	819	809	805	805	808	822	836	832	828	827	827	824	818	817	832
25.0	829	820	810	799	787	782	783	788	802	816	812	808	809	811	809	801	799	815
30.0	805	795	785	772	758	752	755	761	775	789	785	781	784	789	786	777	774	790
35.0	774	763	752	738	723	718	721	727	741	754	751	747	751	759	757	746	742	758
40.0	736	725	713	699	683	677	681	688	701	714	711	707	713	722	720	708	703	720
45.0	694	682	670	655	639	633	638	644	657	670	667	664	670	681	679	666	661	677
50.0	648	636	624	610	595	589	593	599	611	623	620	617	624	636	635	621	615	632
55.0	599	587	575	560	543	537	542	548	560	571	567	564	573	587	586	571	564	582
60.0	540	527	514	496	476	470	478	487	497	506	501	496	509	528	528	510	501	521
65.0	463	450	436	416	394	389	399	409	417	425	419	412	428	453	454	432	421	442
70.0	373	360	346	327	304	300	312	322	328	334	328	321	338	365	366	343	331	352
75.0	280	268	256	216	165	161	203	235	239	244	237	231	248	274	276	252	240	261
80.0	192	182	173	135	87.3	84.1	126	156	159	162	157	151	166	189	190	170	159	176
85.0	122	112	103	79.6	51	49.3	74.5	93.1	94.9	96.6	92.4	88	99.8	118	119	105	97.6	110
90.0	75.2	66.3	57.1	44.7	30.5	29.3	40.8	49.5	51.1	52.5	55.5	58.7	61.8	65.1	67.5	69.2	71	73.1
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: 2021-5-5

Remark: