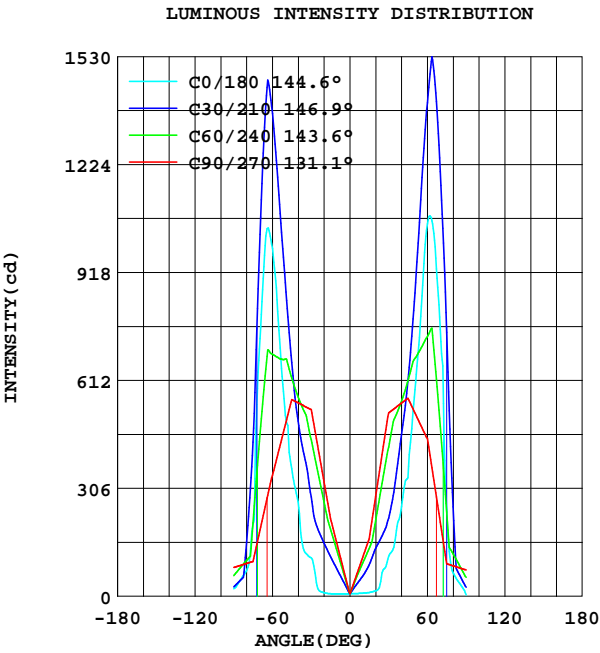
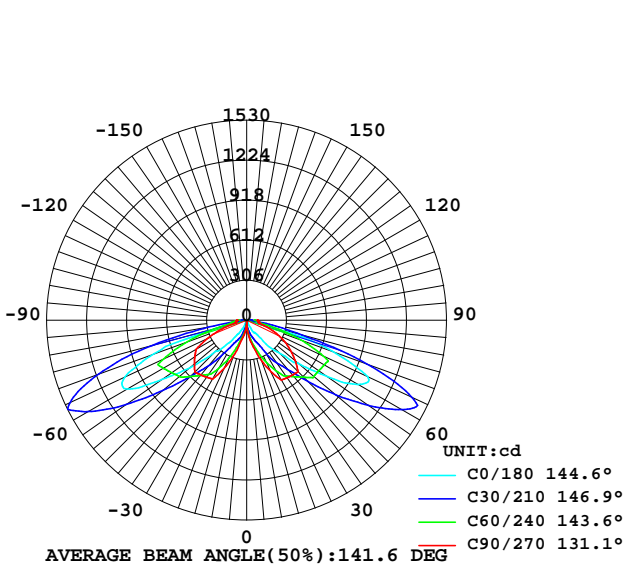


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

MODEL:		Imax(cd):	1530	Effictive Flux(lm):	2774.7
NOMINAL POWER(W):	24	MAXIMUM(C, γ):	210, 63.5	EEI	0.114
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	219.6
NOMINAL FLUX(lm):	2919.4	η street_up(%):	0.0	Current(A)	0.107
TEST FLUX(lm):	2919.4	η street_down(%):	49.5	Power(W)	23.26
LAMPS QUANTITY:	1	η house_up(%)	0.0	Power Factor	0.983
TOTAL RADIANT(mw):	2919.4	η house_down(%):	50.5	EEFICIENCY(lm/W)	125.5



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

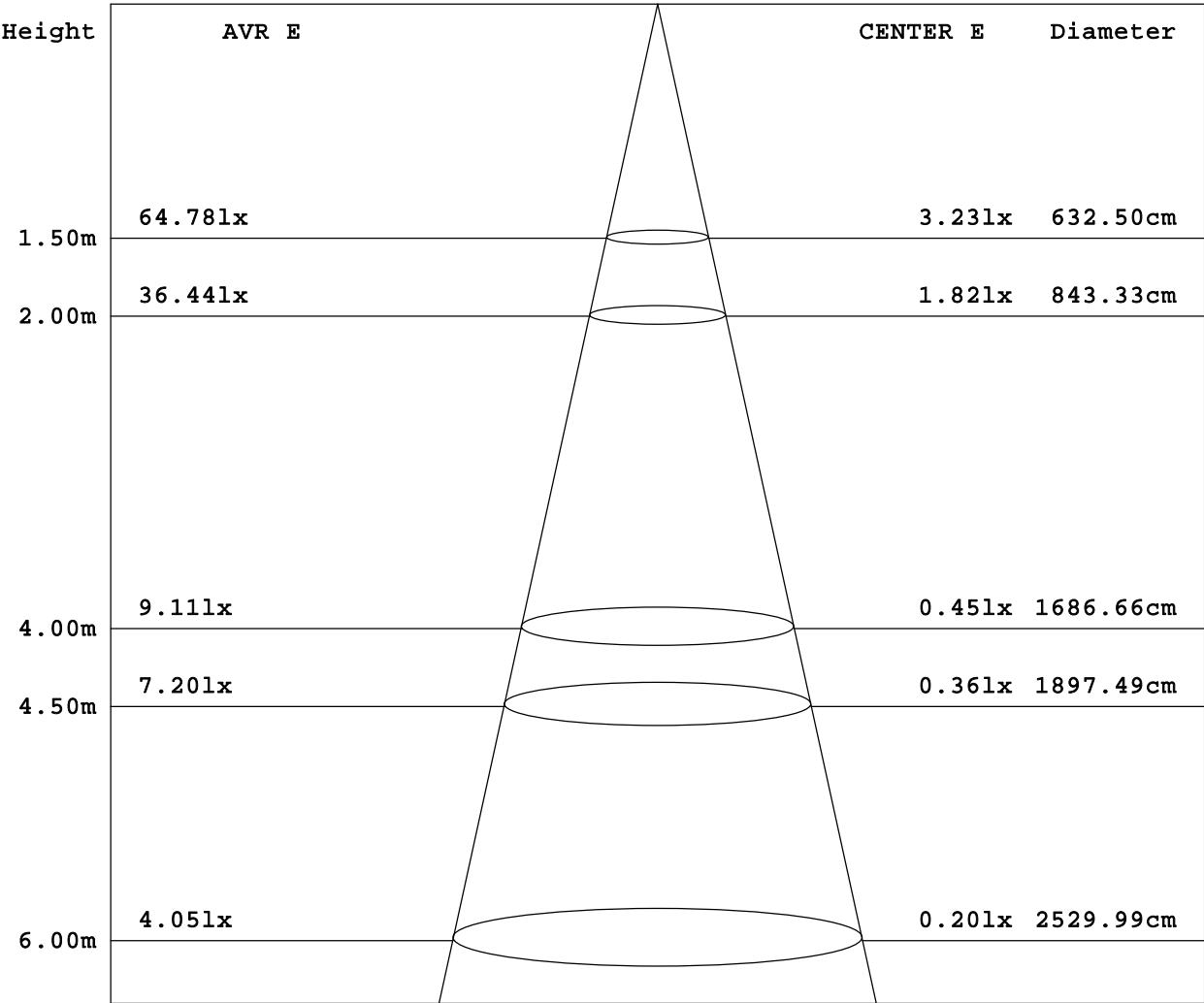
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Angle:129.2deg

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	6.945	57.30	78.57	58.28	7.938	44.13	59.27	46.50	0- 5	0.804	0.804
10.0	6.835	106.9	149.8	109.3	8.930	77.84	111.2	85.80	5- 10	4.928	5.732
15.0	7.276	156.7	221.1	160.4	10.80	115.6	163.2	133.1	10- 15	12.86	18.59
20.0	10.03	207.6	323.9	212.4	15.54	166.4	282.2	194.7	15- 20	26.01	44.60
25.0	22.71	280.6	426.6	285.8	66.59	258.3	401.1	273.3	20- 25	46.80	91.41
30.0	109.2	364.9	529.4	370.5	113.5	343.2	520.0	360.5	25- 30	77.10	168.5
35.0	126.3	462.4	538.9	473.9	159.4	438.4	533.9	457.1	30- 35	113.2	281.7
40.0	267.6	566.5	548.3	566.6	254.8	542.5	547.7	561.1	35- 40	151.1	432.8
45.0	361.6	657.7	557.8	657.0	335.9	637.1	561.6	644.6	40- 45	199.4	632.3
50.0	513.4	769.5	486.2	772.7	565.2	752.7	523.3	748.5	45- 50	260.1	892.4
55.0	753.8	888.7	414.6	891.8	793.4	887.1	485.0	860.6	50- 55	330.9	1223
60.0	986.0	954.3	343.0	921.1	1056	987.9	446.7	890.8	55- 60	402.5	1626
65.0	1021	994.9	261.6	955.4	1029	1068	328.6	924.3	60- 65	442.5	2069
70.0	700.5	844.0	180.2	828.2	755.9	954.3	210.5	805.5	65- 70	403.7	2472
75.0	204.1	466.0	98.89	478.9	244.8	573.0	92.38	464.8	70- 75	263.7	2736
80.0	73.31	123.0	93.16	145.3	66.92	202.8	86.50	136.2	75- 80	105.8	2842
85.0	45.42	80.47	87.42	91.43	37.37	120.2	80.62	88.95	80- 85	46.74	2889
90.0	21.49	39.13	81.69	36.93	3.858	37.48	74.74	39.13	85- 90	30.74	2919
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

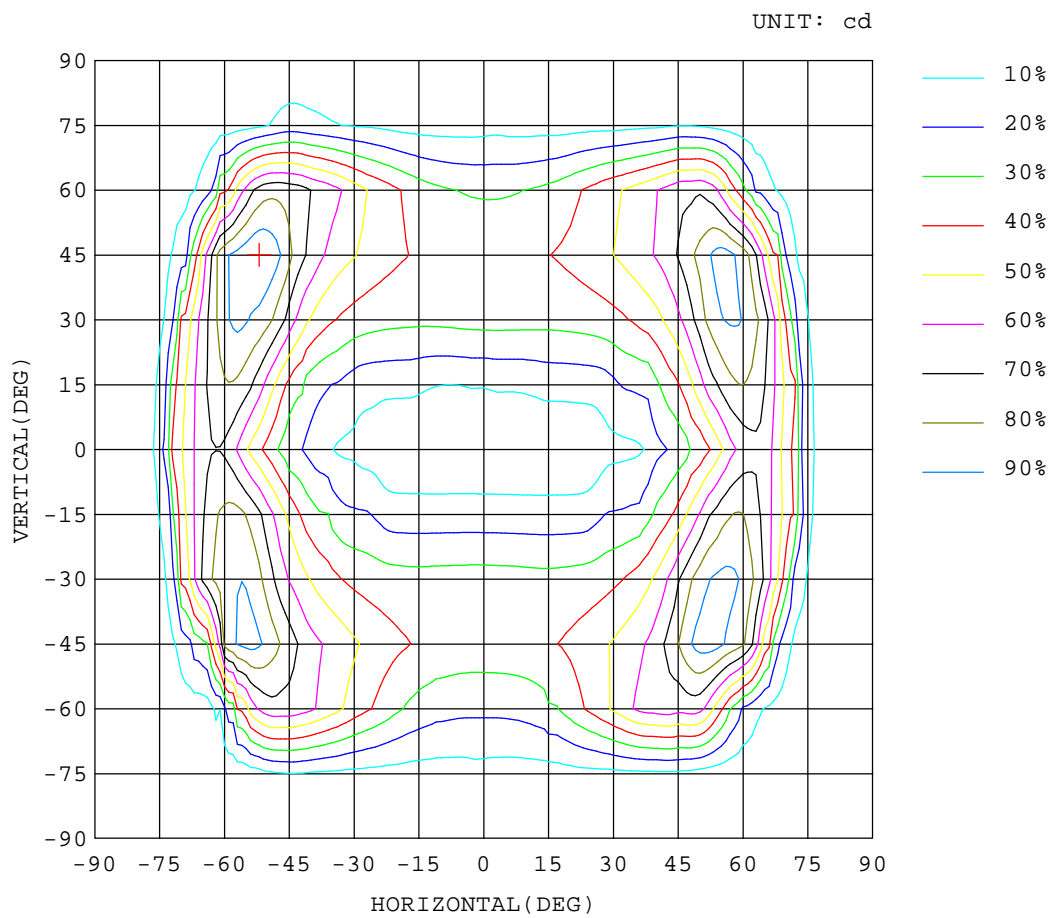
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



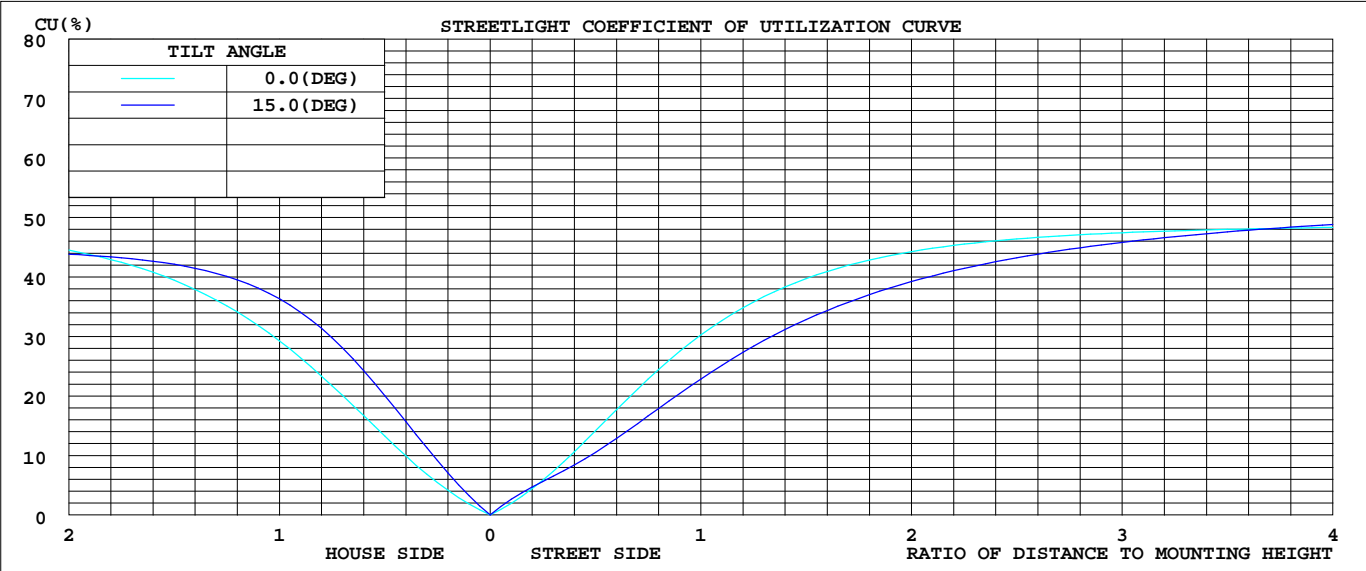
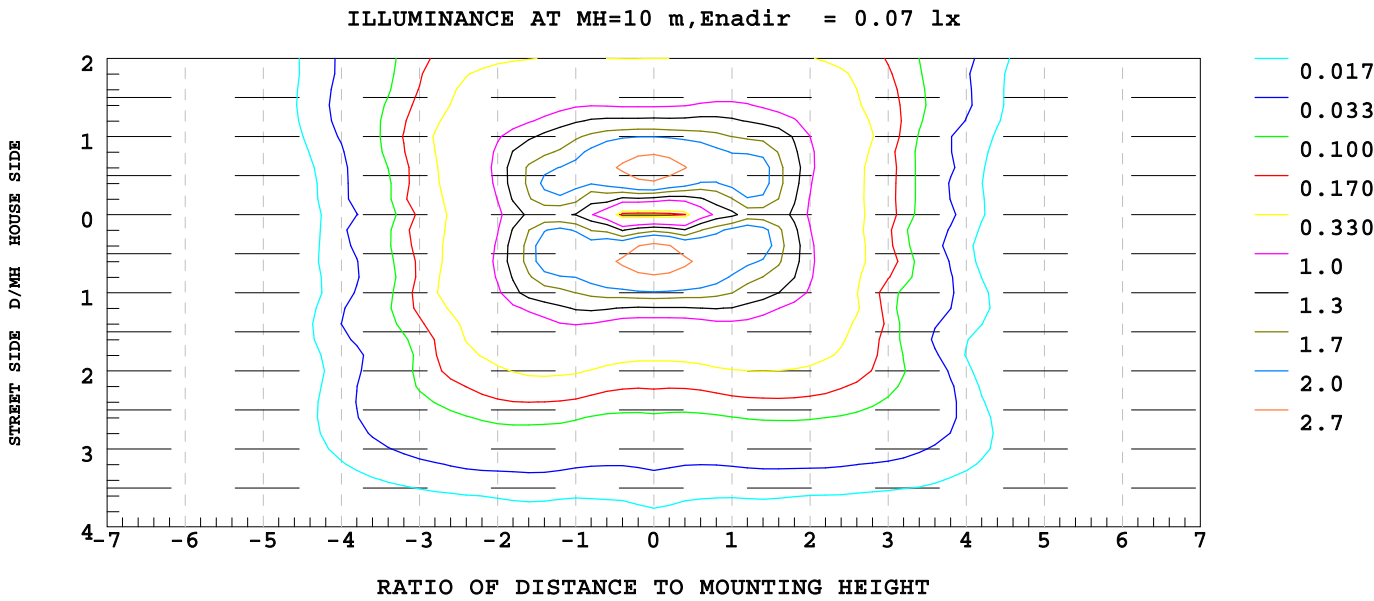
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



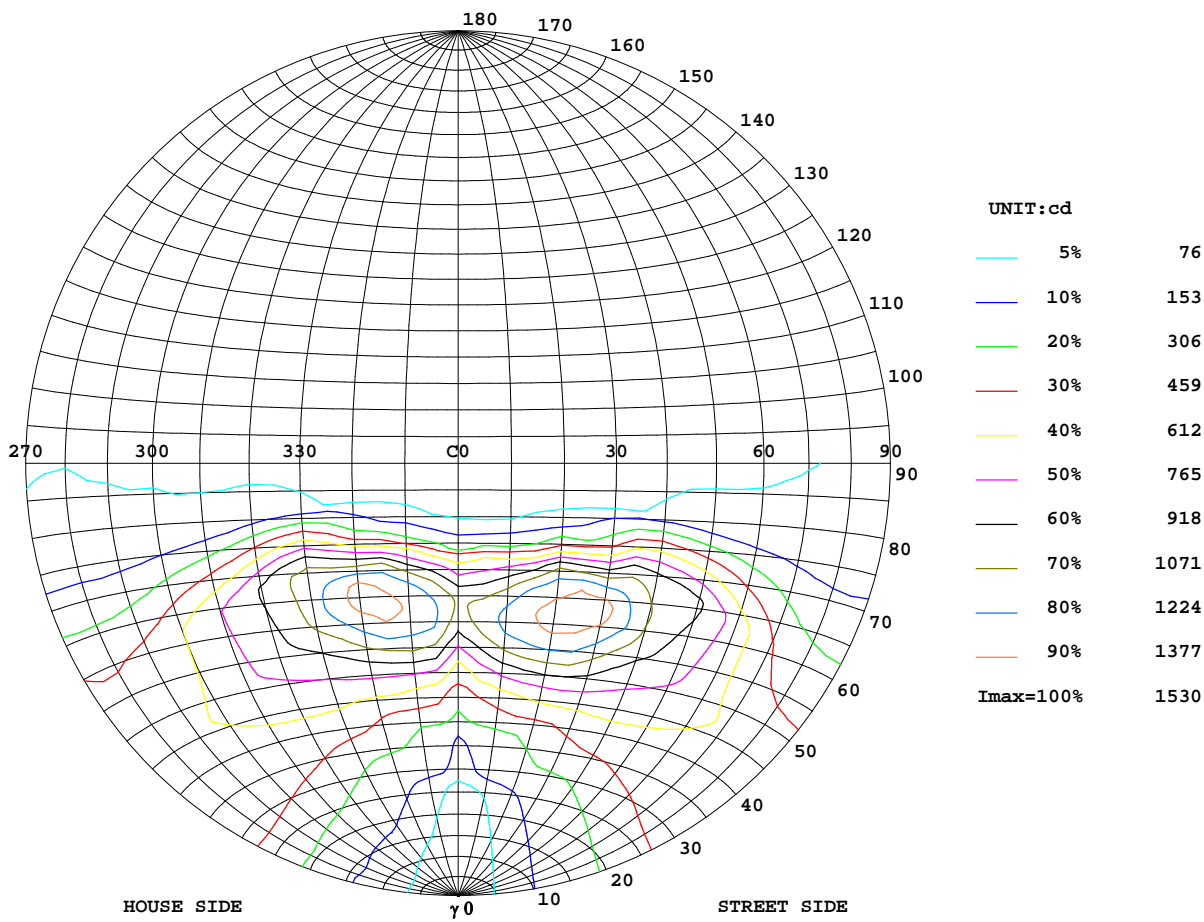
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

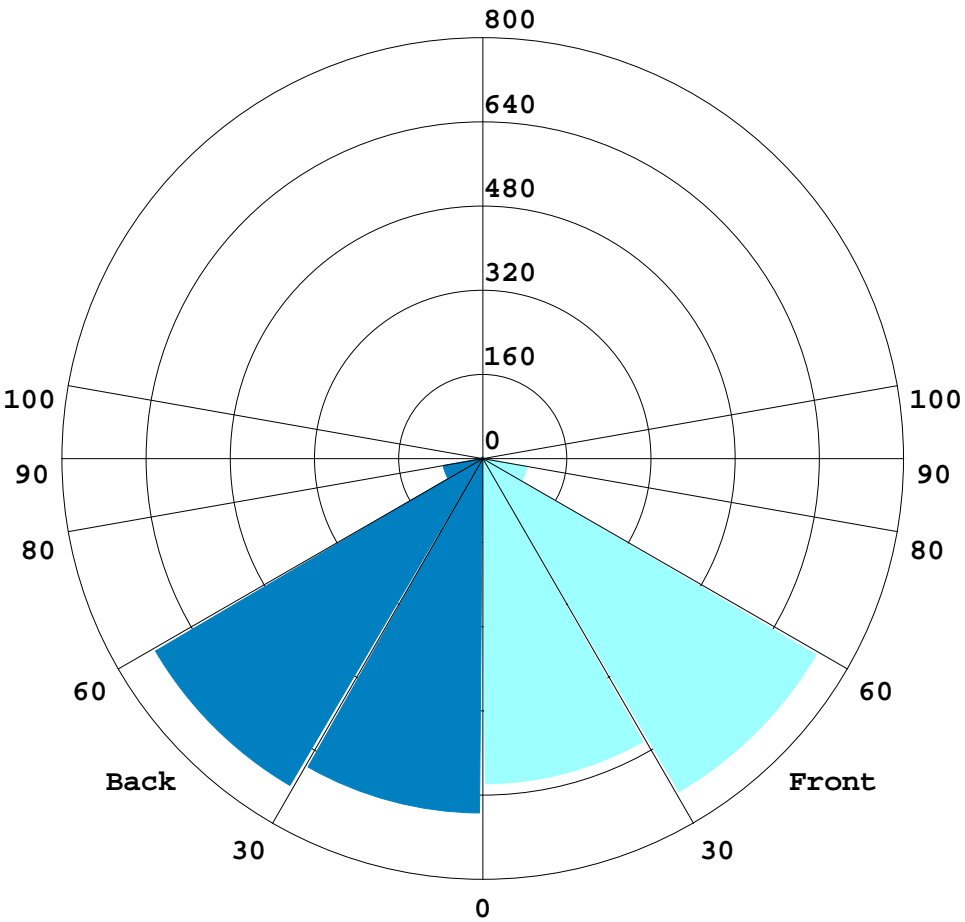
Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

LCS Report

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH
Uplight



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

BUG Report

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

IESNA Luminaire Flux Distribution Table

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	619.2	21.2
FM - Front-Medium(30-60)	735.7	25.2
FH - Front-High(60-80)	86.2	3.0
FVH - Front-VeryHigh(80-90)	3.2	0.1
Total Forward Light	1444.3	49.5

BL - Back-Low(0-30)	674.1	23.1
BM - Back-Medium(30-60)	721.8	24.7
BH - Back-High(60-80)	76.6	2.6
BVH - Back-VeryHigh(80-90)	2.5	0.1
Total Back Light	1475.1	50.5

UL - Uplight-Low(90-100)	0.0	0.0
UH - Uplight-High(100-180)	0.0	0.0
Total UpLight	0.0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G0
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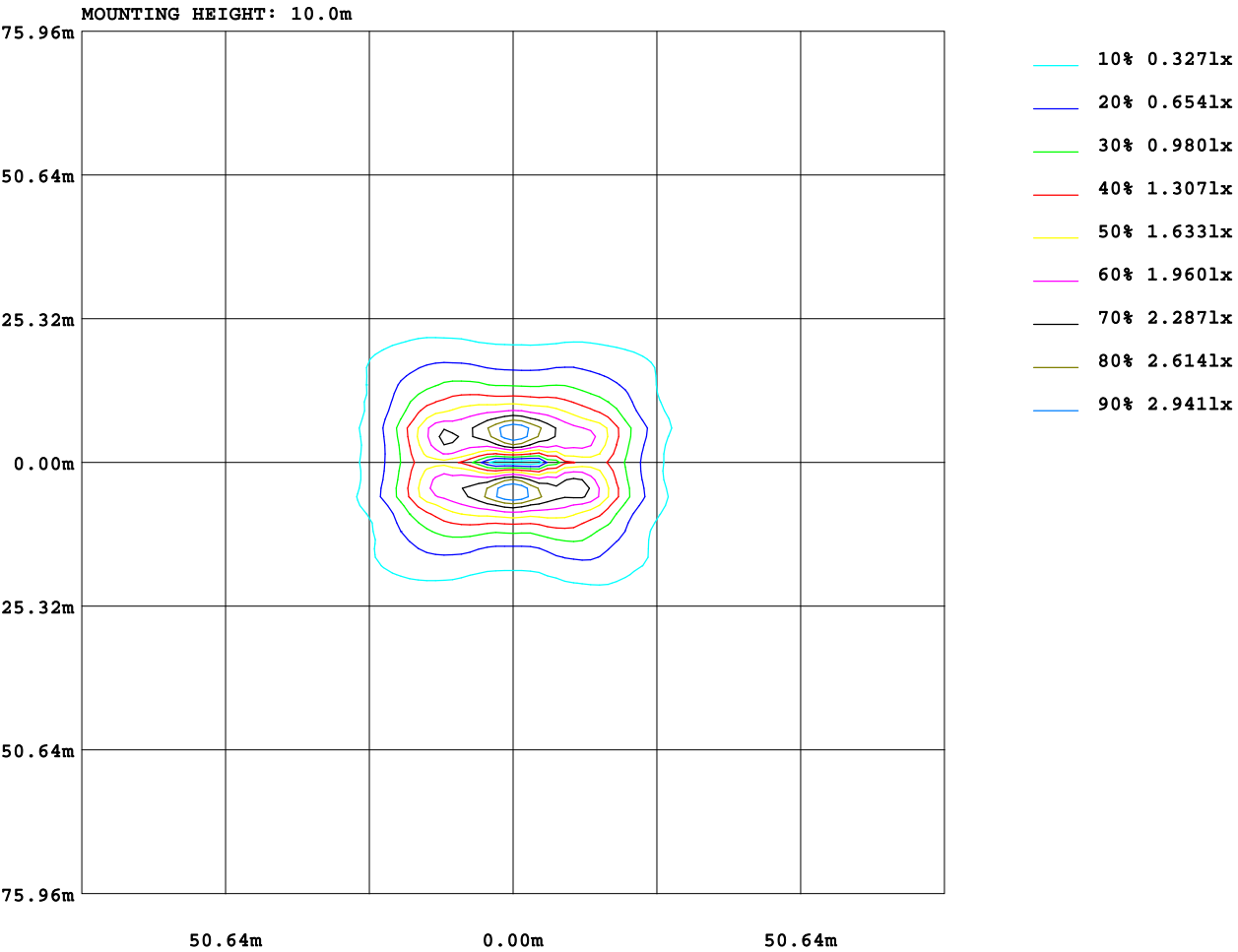
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



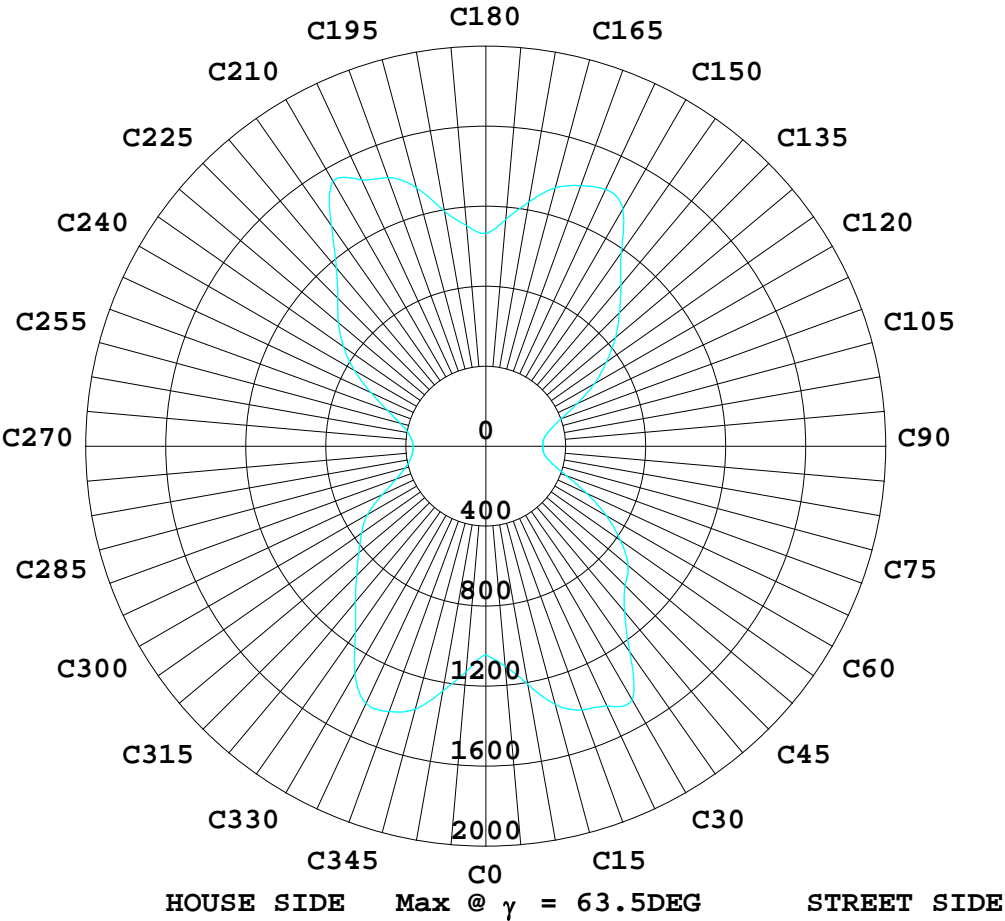
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

90	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a						
	0.03	0.15	0.31	0.50	0.77	1.10	1.58	1.96	2.10	2.14	2.02	1.71	1.22	0.80	0.52	0.31	0.17	0.04	17.4	0.00								
80	0.05	0.24	0.60	1.25	2.75	2.78	2.60	2.27	2.31	2.45	2.24	2.21	2.07	2.04	1.25	0.50	0.24	0.05	27.9	6.03								
70	0.09	0.40	1.18	2.71	6.51	6.01	4.66	3.04	2.89	3.25	2.87	3.32	3.79	4.44	2.66	0.89	0.40	0.08	49.2	25.2								
60	0.09	0.56	4.49	21.5	31.9	31.0	25.8	20.5	17.7	17.2	19.0	23.2	26.4	28.0	19.2	4.33	0.70	0.11	292	290								
50	0.11	0.86	8.95	28.1	35.0	31.3	26.7	22.6	20.5	20.2	21.9	25.3	28.3	30.6	25.8	9.24	0.94	0.11	337	336								
40	0.15	1.30	15.6	32.0	28.9	20.5	18.9	18.7	19.2	19.6	20.1	20.4	21.7	24.6	30.6	16.7	1.22	0.09	311	310								
30	0.11	1.88	13.7	23.4	19.7	13.8	12.8	13.6	14.9	15.2	14.1	13.4	14.2	18.0	23.1	15.3	2.22	0.15	230	229								
VERTICAL (DEG)	0.13	2.40	14.0	20.5	14.0	8.45	7.16	7.89	8.61	8.97	8.48	7.91	9.36	14.2	20.5	15.2	2.75	0.14	171	163								
	0.17	2.99	13.3	16.1	6.71	2.13	0.53	0.37	0.11	0.21	0.65	0.87	3.36	9.40	16.3	13.3	3.20	0.10	90.0	83.6								
	0.11	2.99	12.7	12.0	6.61	3.06	0.67	0.02	0.01	0.00	0.00	0.43	2.07	6.16	10.9	11.8	2.53	0.15	72.4	67.6								
	0.13	2.56	13.1	15.6	10.6	6.33	4.38	3.75	3.89	3.85	3.67	4.04	5.27	9.61	14.5	12.2	2.56	0.14	116	114								
	0.16	1.56	14.0	25.5	20.8	14.2	11.8	10.5	11.0	10.9	10.4	11.0	12.7	19.1	24.6	13.7	2.68	0.09	215	214								
	0.08	1.30	13.8	24.0	21.4	18.4	17.5	18.2	19.1	19.0	18.0	17.7	19.4	25.3	25.9	13.4	1.24	0.13	275	273								
	0.09	0.83	10.0	24.9	24.5	22.2	20.8	20.4	20.4	20.4	20.2	21.0	23.0	28.2	26.3	11.3	0.74	0.11	296	295								
	0.14	0.36	3.52	25.1	27.9	25.7	22.7	19.4	17.7	17.8	19.3	22.6	25.4	29.0	24.5	7.46	0.28	0.05	289	288								
	0.06	0.36	0.34	8.99	20.7	20.2	15.2	10.2	8.41	8.47	11.1	17.7	23.2	19.7	7.12	0.51	0.39	0.08	173	171								
	0.05	0.28	0.29	2.49	10.0	10.1	7.28	4.28	3.34	3.34	4.92	9.01	12.2	8.87	1.45	0.15	0.22	0.06	78.5	70.9								
0.05	0.24	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.03	0.75	0.00								
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)													20	30	40	50	60	70	80	90
Φ t	1.79	21.2	141	285	289	238	202	178	173	173	179	202	234	279	276	147	22.5	1.72	2919									
Φ a	0.00	14.8	137	282	287	232	194	169	162	163	170	193	225	276	273	144	16.4	0.00		2775								

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

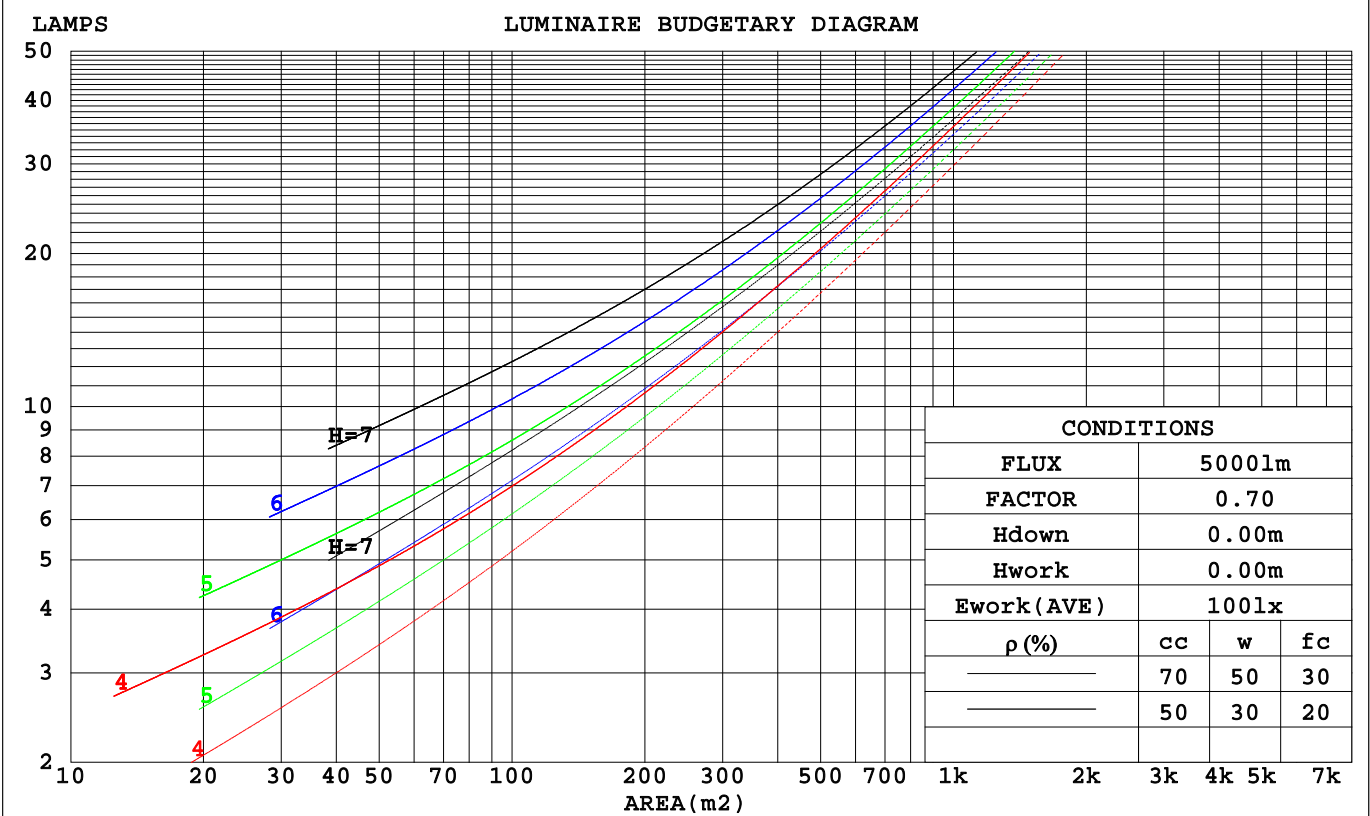
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: LITIAN								TYPE: LT-BL-24W-T3 双				WEIGHT:			
SPECIFICATION:				CCT(K): 0				DIMENSION:				SERIAL No.:			

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
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	1.00
1.0	.99	.93	.88	.96	.91	.87	.92	.88	.84	.88	.84	.81	.84	.81	.79	.76
2.0	.81	.72	.65	.79	.71	.64	.75	.68	.62	.72	.66	.61	.68	.64	.59	.57
3.0	.67	.57	.48	.65	.56	.48	.62	.54	.47	.59	.52	.46	.56	.50	.45	.42
4.0	.56	.45	.37	.55	.45	.36	.52	.43	.36	.50	.42	.35	.47	.40	.35	.32
5.0	.48	.37	.29	.47	.36	.28	.45	.35	.28	.42	.34	.28	.40	.33	.27	.25
6.0	.42	.31	.23	.41	.30	.23	.39	.29	.22	.37	.28	.22	.35	.28	.22	.19
7.0	.37	.26	.19	.36	.26	.18	.34	.25	.18	.32	.24	.18	.31	.23	.18	.15
8.0	.32	.22	.15	.32	.22	.15	.30	.21	.15	.29	.21	.15	.28	.20	.15	.13
9.0	.29	.19	.13	.28	.19	.13	.27	.19	.13	.26	.18	.13	.25	.18	.12	.10
10.0	.26	.17	.11	.26	.17	.11	.25	.16	.11	.24	.16	.11	.23	.16	.11	.09



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: LITIAN						TYPE: LT-BL-24W-T3 双			WEIGHT:		
SPECIFICATION:				CCT(K): 0		DIMENSION:			SERIAL No.:		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.407	.231	.073	.400	.228	.072	.386	.221	.071	.373	.215	.069	.362	.210	.068	
2.0	.382	.209	.064	.375	.207	.064	.362	.202	.063	.351	.197	.062	.340	.192	.061	
3.0	.348	.185	.055	.342	.183	.055	.331	.179	.054	.320	.175	.054	.311	.172	.053	
4.0	.315	.164	.048	.310	.162	.048	.300	.159	.048	.291	.156	.047	.282	.153	.047	
5.0	.286	.146	.042	.282	.145	.042	.273	.142	.042	.264	.139	.041	.256	.137	.041	
6.0	.261	.131	.037	.257	.130	.037	.249	.127	.037	.241	.125	.037	.234	.123	.037	
7.0	.239	.118	.034	.235	.117	.033	.228	.115	.033	.221	.113	.033	.215	.112	.033	
8.0	.220	.108	.030	.217	.107	.030	.210	.105	.030	.204	.103	.030	.199	.102	.030	
9.0	.204	.099	.028	.201	.098	.027	.195	.096	.027	.189	.095	.027	.184	.094	.027	
10.0	.189	.091	.025	.187	.090	.025	.181	.089	.025	.176	.088	.025	.172	.086	.025	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.187	.155	.127	.160	.133	.109	.109	.092	.075	.063	.053	.044	.020	.017	.014	
2.0	.184	.131	.087	.158	.113	.075	.108	.078	.053	.062	.046	.031	.020	.015	.010	
3.0	.180	.115	.063	.154	.099	.055	.106	.069	.038	.061	.040	.023	.020	.013	.007	
4.0	.173	.102	.048	.149	.089	.042	.102	.062	.030	.059	.036	.018	.019	.012	.006	
5.0	.166	.093	.039	.143	.080	.034	.098	.056	.024	.057	.033	.014	.018	.011	.005	
6.0	.158	.085	.032	.136	.074	.028	.094	.051	.020	.054	.030	.012	.018	.010	.004	
7.0	.151	.078	.028	.130	.068	.024	.090	.048	.017	.052	.028	.010	.017	.009	.003	
8.0	.143	.073	.024	.123	.063	.021	.085	.044	.015	.050	.026	.009	.016	.009	.003	
9.0	.136	.068	.022	.117	.059	.019	.081	.041	.013	.047	.024	.008	.015	.008	.003	
10.0	.129	.063	.020	.111	.055	.017	.077	.039	.012	.045	.023	.007	.015	.008	.002	

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: LITIAN					TYPE: LT-BL-24W-T3 双			WEIGHT:			
SPECIFICATION:		CCT(K): 0			DIMENSION:			SERIAL No.:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise				Viewed endwise					
x = 2H y = 2H	26.6	28.5	26.9	28.7	29.0	20.8	22.7	21.1	22.9	23.2	
	3H	29.0	30.8	29.3	31.1	31.3	21.6	23.4	22.0	23.7	24.0
	4H	29.2	30.9	29.6	31.2	31.5	21.8	23.5	22.1	23.7	24.0
	6H	29.1	30.8	29.5	31.1	31.4	21.9	23.5	22.3	23.8	24.1
	8H	29.1	30.7	29.5	31.0	31.3	22.1	23.6	22.4	24.0	24.3
	12H	29.0	30.6	29.4	30.9	31.2	22.4	23.9	22.7	24.2	24.5
4H	2H	27.4	29.1	27.7	29.3	29.6	24.0	25.8	24.4	26.0	26.3
	3H	30.1	31.6	30.4	31.9	32.2	25.0	26.5	25.3	26.8	27.1
	4H	30.4	31.7	30.7	32.1	32.4	25.1	26.4	25.4	26.8	27.1
	6H	30.3	31.6	30.7	31.9	32.3	25.1	26.4	25.6	26.7	27.1
	8H	30.3	31.4	30.7	31.8	32.2	25.3	26.4	25.7	26.8	27.2
	12H	30.3	31.3	30.7	31.7	32.1	25.5	26.5	25.9	26.9	27.3
8H	4H	30.5	31.6	30.9	32.0	32.4	26.1	27.3	26.6	27.7	28.1
	6H	30.5	31.5	31.0	31.9	32.3	26.3	27.2	26.7	27.7	28.1
	8H	30.5	31.4	31.0	31.8	32.3	26.4	27.3	26.9	27.7	28.2
	12H	30.5	31.2	31.0	31.7	32.2	26.7	27.4	27.2	27.9	28.4
12H	4H	30.4	31.5	30.9	31.9	32.3	26.1	27.2	26.6	27.6	28.0
	6H	30.5	31.4	31.0	31.8	32.2	26.3	27.2	26.8	27.6	28.1
	8H	30.5	31.2	31.0	31.7	32.2	26.5	27.3	27.0	27.7	28.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3					
1.5H	+ 0.8 / - 1.2					+ 0.2 / - 0.5					
2.0H	+ 1.9 / - 2.2					+ 0.4 / - 0.6					

CIE Pub.117 Corrected 2919 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	41	26	17	40	26	17	38	25	17	9
0.80	51	36	26	50	35	26	47	34	25	16
1.00	60	45	35	59	44	35	56	47	34	25
1.25	69	54	44	67	53	44	64	52	43	33
1.50	75	61	51	73	60	51	69	58	50	40
2.00	85	73	64	82	71	63	78	69	61	51
2.50	90	80	71	88	78	71	84	75	69	59
3.00	95	86	78	93	84	77	88	81	75	65
4.00	101	94	87	99	92	86	94	88	83	73
5.00	105	99	93	102	97	92	97	93	89	79
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)															
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
5.0	6.94	13.1	19.2	25.3	31.2	37.0	42.5	47.7	52.7	57.3	61.5	65.3	68.7	71.6	74.0
10.0	6.83	19.1	31.3	43.3	55.1	66.5	77.5	87.9	97.7	107	115	123	130	136	141
15.0	7.27	25.8	44.2	62.2	79.8	96.8	113	129	143	157	169	181	191	200	207
20.0	10.0	34.9	59.5	83.6	107	129	151	171	190	208	227	248	267	283	298
25.0	22.7	56.9	88.3	116	142	167	192	216	250	281	308	332	355	375	393
30.0	109	149	187	223	252	266	282	301	332	365	395	421	444	466	488
35.0	126	176	224	268	307	351	395	427	441	462	491	517	522	524	529
40.0	268	326	368	392	417	446	497	529	553	567	569	569	565	558	551
45.0	362	458	534	587	633	658	663	674	666	658	648	635	619	601	581
50.0	513	672	794	868	917	919	889	828	794	770	744	717	672	616	567
55.0	754	939	1093	1184	1231	1235	1137	1028	935	889	825	751	675	596	524
60.0	986	1126	1263	1348	1423	1415	1369	1239	1062	954	885	789	686	590	479
65.0	1021	1042	1148	1294	1368	1409	1392	1232	1068	995	948	819	644	509	391
70.0	701	745	817	915	1122	1054	975	1037	952	844	716	570	439	345	265
75.0	204	266	212	304	438	410	437	586	563	466	371	284	208	163	126
80.0	73.3	69.6	68.0	90.3	97.6	118	154	164	122	123	116	109	102	99.9	93.2
85.0	45.4	29.8	37.1	36.5	36.7	39.4	44.5	53.4	66.8	80.4	80.7	79.9	80.6	83.7	83.9
90.0	21.4	13.0	16.3	19.4	22.6	24.6	27.1	31.3	35.0	39.1	44.8	50.7	58.7	67.4	74.4

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C(DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
5.0	75.9	77.3	78.2	78.5	78.3	77.6	76.3	74.5	72.2	69.4	66.2	62.4	58.2	53.7	48.7
10.0	144	147	149	150	150	148	146	142	137	132	125	118	109	100	90.4
15.0	213	217	220	221	221	219	215	210	203	194	184	173	160	147	132
20.0	309	317	322	324	323	319	311	301	287	271	253	232	212	195	176
25.0	407	418	424	427	426	420	410	397	381	361	338	313	286	255	222
30.0	506	518	526	529	529	521	509	494	475	451	427	400	371	344	332
35.0	534	537	538	539	540	538	538	536	532	528	522	496	474	458	435
40.0	550	550	549	548	549	551	554	558	563	569	573	573	567	550	527
45.0	570	564	560	558	559	564	573	586	604	623	639	651	657	659	660
50.0	525	502	491	486	489	502	525	563	613	671	719	750	773	787	799
55.0	466	434	419	415	418	433	462	510	574	653	730	814	892	919	963
60.0	409	367	348	343	346	365	399	458	544	639	731	834	921	1016	1163
65.0	316	279	263	262	262	276	308	366	462	576	726	852	955	1058	1178
70.0	211	186	176	180	176	184	206	249	314	397	510	656	828	999	1060
75.0	101	92.6	89.9	98.8	90.7	91.5	100	121	150	194	265	357	479	595	650
80.0	86.0	85.9	86.3	93.1	86.8	84.8	85.8	91.4	94.9	100	112	124	145	155	191
85.0	82.1	83.2	83.7	87.4	84.0	82.1	81.5	82.4	81.1	80.2	82.1	84.5	91.4	82.6	52.7
90.0	78.2	80.4	81.2	81.6	81.2	79.4	77.1	73.2	66.9	59.5	50.9	43.3	36.9	32.7	30.2

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)															
	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
5.0	43.5	38.0	32.3	26.4	20.3	14.1	7.93	12.3	16.6	20.9	25.1	29.2	33.1	36.9	40.6
10.0	79.9	68.9	57.5	45.7	33.6	21.3	8.93	17.5	26.1	34.5	42.5	50.2	57.7	64.8	71.5
15.0	117	101	83.6	66.0	47.9	29.4	10.8	25.8	40.4	54.3	67.1	79.0	89.7	99.5	108
20.0	156	134	112	88.9	65.0	40.4	15.5	36.8	57.8	78.3	98.2	117	136	151	161
25.0	201	183	166	148	126	98.4	66.5	84.7	99.8	114	130	150	171	192	227
30.0	318	300	263	226	190	153	114	134	150	162	176	192	222	267	307
35.0	401	361	326	295	258	212	159	191	219	245	263	285	322	361	401
40.0	509	510	486	436	386	325	255	286	308	325	353	412	460	489	518
45.0	657	648	639	630	566	463	336	413	464	495	554	576	611	634	637
50.0	818	840	869	899	849	722	565	672	744	795	847	857	835	802	773
55.0	1015	1063	1138	1182	1155	985	793	945	1067	1132	1187	1200	1124	1019	953
60.0	1237	1318	1371	1345	1296	1174	1056	1146	1248	1342	1396	1422	1399	1294	1104
65.0	1343	1425	1367	1298	1185	1075	1029	1053	1124	1273	1405	1469	1490	1347	1181
70.0	1042	1076	869	850	833	736	756	753	805	915	1209	1198	1204	1237	1154
75.0	558	285	263	284	244	180	245	190	271	283	523	673	748	793	699
80.0	153	88.0	82.1	88.0	44.3	59.6	66.9	69.3	85.8	102	121	186	254	241	187
85.0	45.6	48.2	49.3	46.5	39.6	47.3	37.3	50.3	39.4	43.6	51.2	57.6	60.8	72.5	95.8
90.0	26.3	24.0	25.5	23.2	19.9	12.7	3.85	12.0	17.4	20.6	23.1	25.4	26.0	29.9	34.3

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)															
	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
5.0	44.1	47.4	50.3	52.7	54.7	56.3	57.6	58.4	59.0	59.2	59.4	59.2	58.7	57.7	56.4
10.0	77.8	83.7	89.4	95.0	99.8	105	108	110	111	111	113	113	113	112	108
15.0	116	123	129	136	142	149	156	162	163	163	167	170	169	164	158
20.0	166	179	196	214	231	247	261	274	280	282	284	283	274	263	250
25.0	258	282	300	320	339	358	374	388	398	401	402	397	387	373	358
30.0	343	375	402	423	445	467	487	504	515	520	519	511	499	482	462
35.0	438	471	499	508	512	517	523	528	531	534	535	535	534	531	526
40.0	543	551	554	553	550	546	545	546	546	548	550	553	557	560	564
45.0	637	633	624	611	596	581	571	565	562	562	565	573	583	596	610
50.0	753	735	709	672	629	589	558	538	527	523	527	540	561	592	632
55.0	887	825	765	702	641	584	537	507	492	485	488	502	527	565	618
60.0	988	905	822	737	661	584	520	478	457	447	449	464	493	540	611
65.0	1068	988	871	698	579	474	400	356	335	329	334	346	378	432	520
70.0	954	770	611	482	386	308	254	225	212	211	216	220	242	279	342
75.0	573	430	321	239	182	131	104	92.1	87.4	92.3	96.8	93.3	103	117	152
80.0	203	167	138	121	109	91.4	83.6	81.8	82.0	86.5	88.6	83.3	84.0	84.1	91.2
85.0	120	106	93.1	87.6	85.4	79.8	77.5	77.1	77.8	80.6	81.9	78.7	78.5	77.5	79.0
90.0	37.4	41.3	46.0	53.5	60.7	67.4	71.2	72.4	73.6	74.7	75.5	74.1	73.0	70.5	66.1

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: LITIAN		TYPE: LT-BL-24W-T3 双	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)												
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
5.0	54.7	52.5	49.7	46.5	42.9	39.0	34.9	30.5	26.0	21.3	16.6	11.7
10.0	103	97.9	92.1	85.8	79.0	71.7	63.7	55.2	46.3	36.9	27.1	17.0
15.0	153	147	140	133	124	114	103	89.9	75.2	59.1	42.2	24.8
20.0	236	222	207	195	181	163	144	124	103	80.6	57.6	34.0
25.0	341	324	301	273	243	208	185	161	134	107	80.1	52.0
30.0	441	418	391	361	325	285	241	210	198	187	167	140
35.0	523	516	489	457	420	385	357	333	301	263	220	174
40.0	569	570	568	561	537	513	480	433	367	335	334	309
45.0	624	635	641	645	646	642	608	588	573	546	498	438
50.0	676	712	731	749	762	769	786	789	792	779	743	646
55.0	676	735	795	861	885	919	975	1053	1100	1108	1042	914
60.0	680	749	819	891	975	1098	1188	1296	1372	1322	1248	1123
65.0	628	747	837	924	1029	1141	1309	1442	1396	1340	1200	1086
70.0	419	511	634	806	1021	1099	1123	1162	1198	1030	889	776
75.0	193	253	339	465	605	718	647	567	555	442	329	266
80.0	92.0	99.7	111	136	162	229	233	170	133	115	81.6	75.8
85.0	75.6	76.3	78.7	88.9	87.8	74.3	55.8	43.3	46.0	48.4	46.3	35.4
90.0	59.0	51.7	44.3	39.1	35.0	31.2	27.7	24.6	24.9	22.2	19.8	16.0

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年05月20日

Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks: