

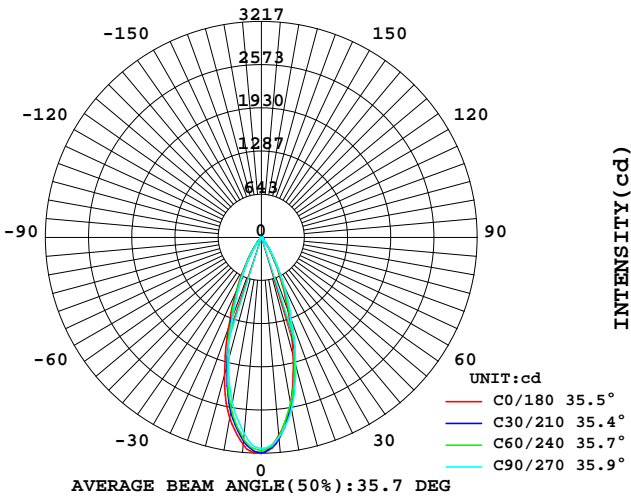
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

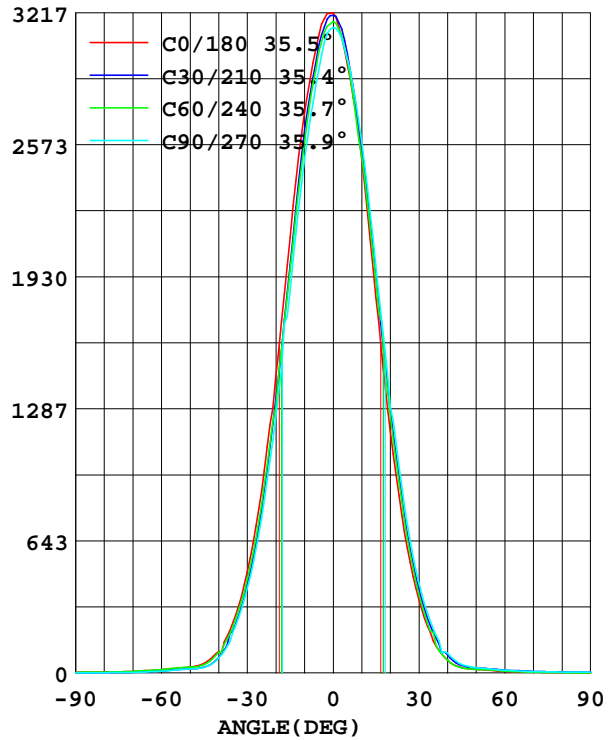
MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	3217	S/MH(C0/180)	0.61
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.57
NOMINAL POWER(W)	15	TOTAL FLUX(lm)	1379.5	Voltage(V)	120.5
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	91.8	Current(A)	0.126
NOMINAL FLUX(lm)	1379.5	h up(%)	1.0	Power(W)	15.02
LAMPS QUANTITY	1	h down(%)	99.0	Power Factor(PF)	0.987
TEST VOLTAGE(V)	120.6	Effective Flux(lm)	1379.5	EET	0.148

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



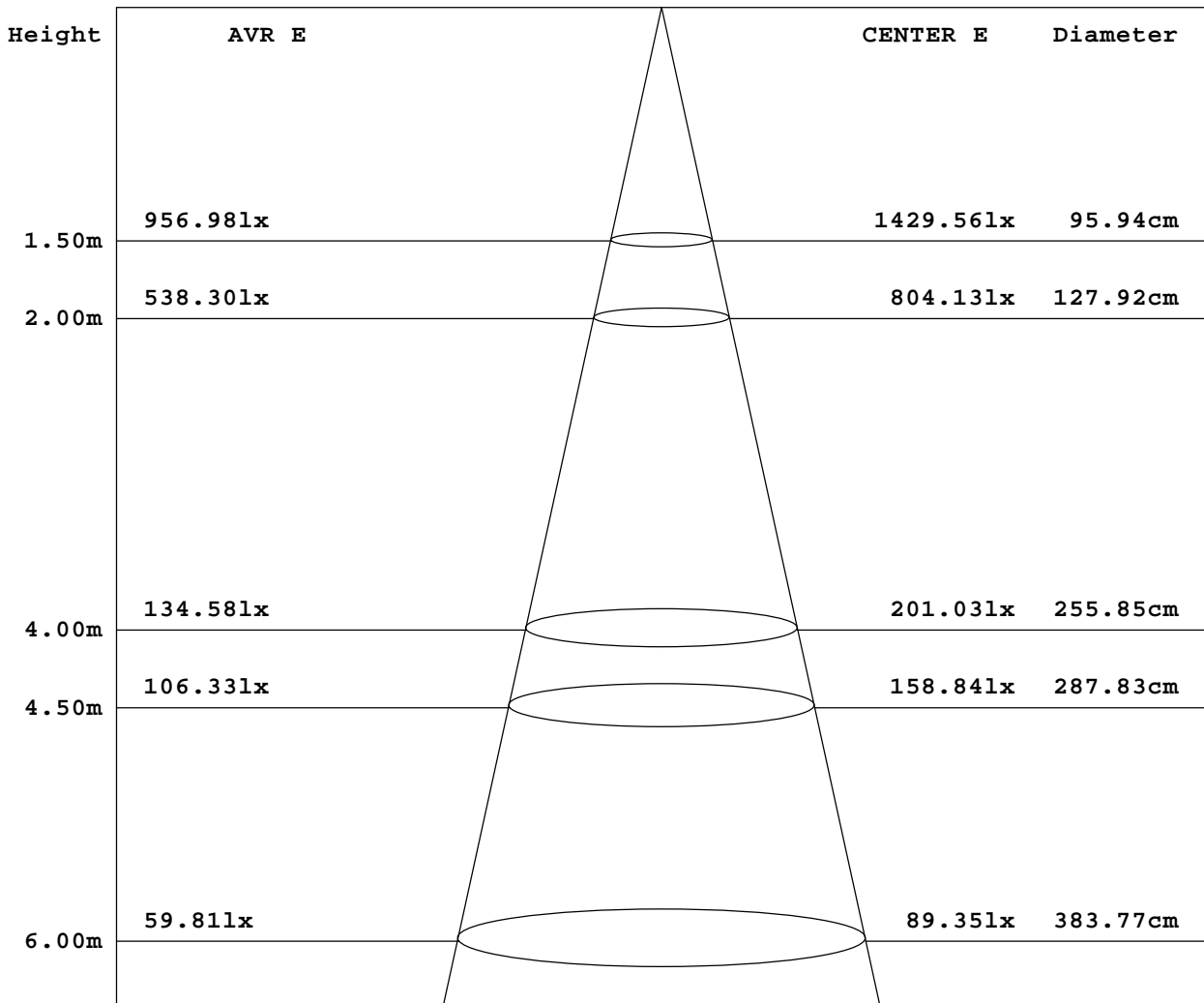
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	DIMENSION:	SERIAL No.:



Angle: 35.5deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 5.900 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tTotal
5.0	3102	3038	2934	2999	2960	2997	2990	2986	0- 5	73.89	73.89
10.0	2732	2616	2506	2591	2513	2540	2593	2581	5- 10	199.0	272.9
15.0	2121	1978	1864	1956	1825	1921	1976	1958	10- 15	268.1	541.1
20.0	1443	1312	1243	1316	1175	1265	1294	1300	15- 20	265.0	806.1
25.0	888.2	812.0	757.7	806.3	684.2	749.8	813.7	762.8	20- 25	214.5	1021
30.0	492.7	444.6	412.7	447.6	358.5	396.0	440.6	406.5	25- 30	148.5	1169
35.0	245.5	214.3	199.3	225.8	156.0	197.4	216.3	193.4	30- 35	89.19	1258
40.0	103.8	87.49	72.85	94.75	61.92	75.17	96.49	81.36	35- 40	44.18	1303
45.0	47.23	35.55	27.84	38.34	24.99	31.15	40.83	35.19	40- 45	20.47	1323
50.0	29.03	24.26	19.84	23.09	17.47	21.07	24.99	21.96	45- 50	10.96	1334
55.0	22.97	19.58	14.86	17.50	12.81	17.17	19.21	17.70	50- 55	8.837	1343
60.0	16.53	12.82	8.493	10.82	7.936	11.41	13.15	12.00	55- 60	6.800	1350
65.0	11.87	9.224	5.499	8.197	5.813	8.754	9.329	8.893	60- 65	4.885	1355
70.0	7.623	5.134	2.958	5.047	3.550	5.395	6.996	5.482	65- 70	3.423	1358
75.0	5.952	3.985	2.123	4.037	2.680	4.281	5.604	4.368	70- 75	2.444	1360
80.0	4.699	2.993	1.357	3.011	1.844	3.306	4.386	3.393	75- 80	1.942	1362
85.0	3.655	2.262	0.870	2.227	1.322	2.575	3.481	2.593	80- 85	1.485	1364
90.0	3.098	1.862	0.731	1.827	1.183	2.053	3.167	2.053	85- 90	1.182	1365
95.0	2.854	1.757	0.731	1.723	1.183	1.966	2.958	1.949	90- 95	1.054	1366
100.0	2.680	1.688	0.766	1.653	1.218	1.879	2.784	1.862	95-100	1.000	1367
105.0	2.506	1.636	0.801	1.601	1.218	1.792	2.610	1.757	100-105	0.944	1368
110.0	2.401	1.583	0.835	1.566	1.218	1.705	2.436	1.688	105-110	0.887	1369
115.0	2.297	1.549	0.870	1.531	1.218	1.653	2.297	1.618	110-115	0.831	1370
120.0	2.193	1.549	0.940	1.514	1.253	1.583	2.193	1.566	115-120	0.779	1371
125.0	2.123	1.549	1.044	1.531	1.357	1.601	2.123	1.566	120-125	0.735	1371
130.0	2.158	1.653	1.183	1.618	1.496	1.653	2.088	1.653	125-130	0.708	1372
135.0	2.262	1.827	1.462	1.827	1.775	1.827	2.193	1.844	130-135	0.711	1373
140.0	2.506	2.210	1.879	2.158	2.227	2.175	2.436	2.158	135-140	0.747	1373
145.0	2.958	2.732	2.506	2.680	2.854	2.662	2.854	2.697	140-145	0.816	1374
150.0	3.620	3.446	3.272	3.376	3.655	3.359	3.481	3.393	145-150	0.901	1375
155.0	4.420	4.281	4.142	4.194	4.594	4.194	4.212	4.229	150-155	0.969	1376
160.0	5.291	5.169	5.047	5.082	5.534	5.082	5.082	5.117	155-160	0.985	1377
165.0	6.161	6.022	5.848	5.900	6.474	5.952	5.952	5.969	160-165	0.918	1378
170.0	6.962	6.718	6.579	6.596	7.275	6.683	6.753	6.648	165-170	0.755	1379
175.0	7.553	7.188	7.101	7.153	7.797	7.205	7.310	7.153	170-175	0.500	1379
180.0	7.971	7.379	7.553	7.327	7.971	7.379	7.553	7.327	175-180	0.176	1379
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

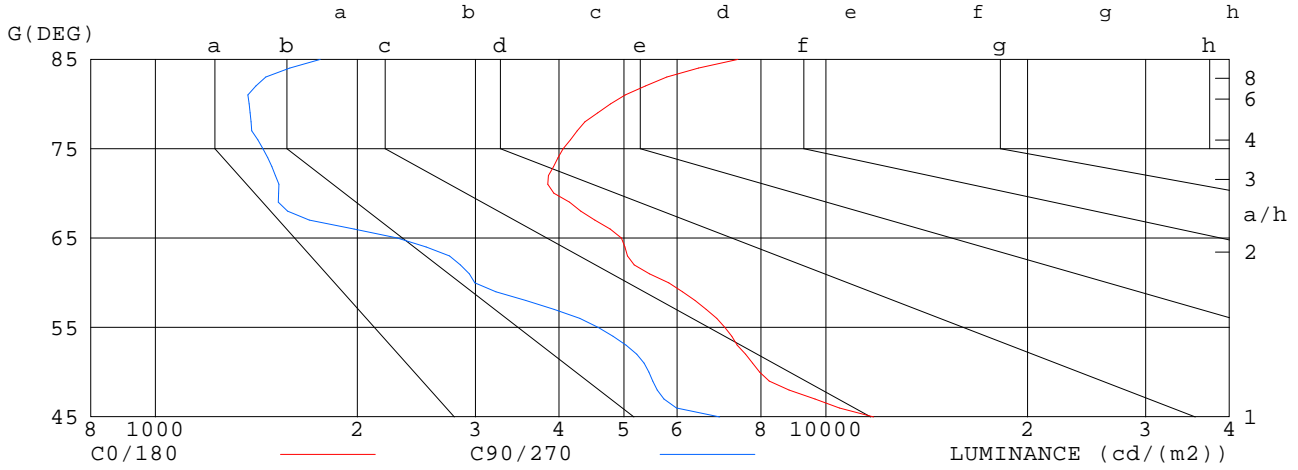
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3500</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300	<=300	<=300	<=300	<=300
1.15	A								
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	7396	1761
80	4773	1379
75	4056	1447
70	3931	1526
65	4954	2295
60	5832	2996
55	7064	4570
50	7966	5444
45	11782	6946

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

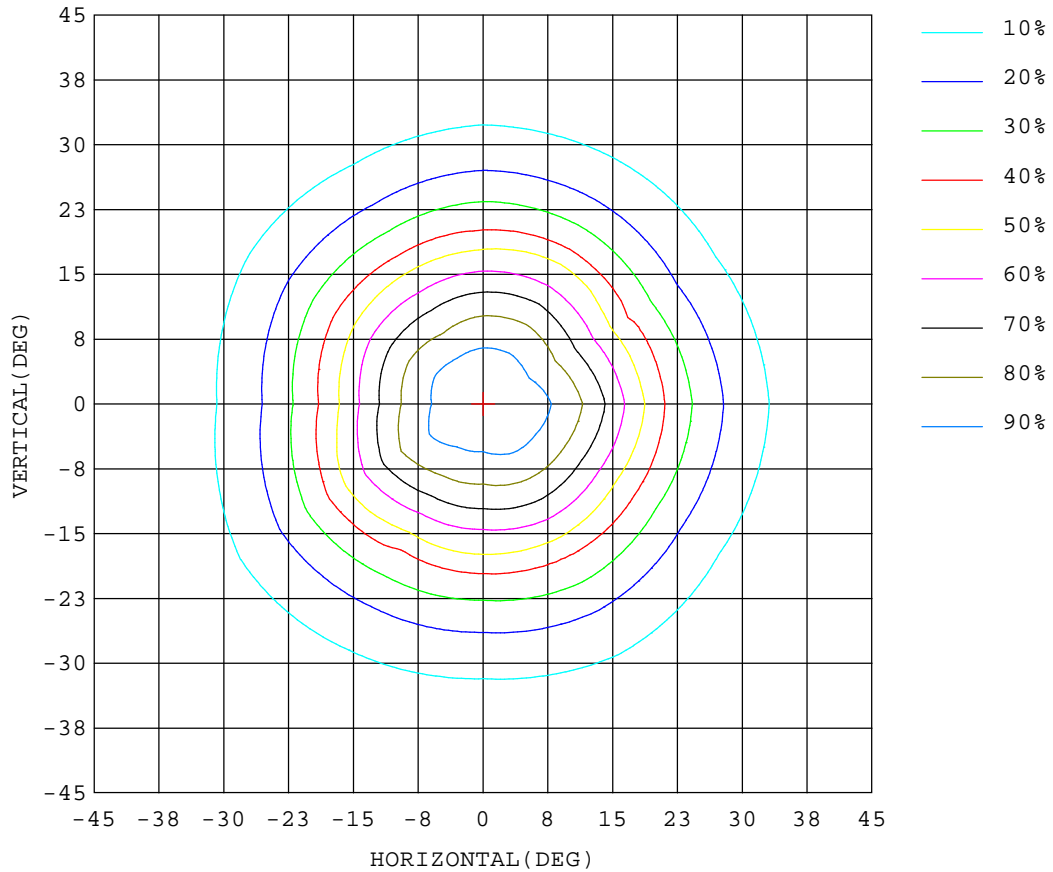
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3500</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



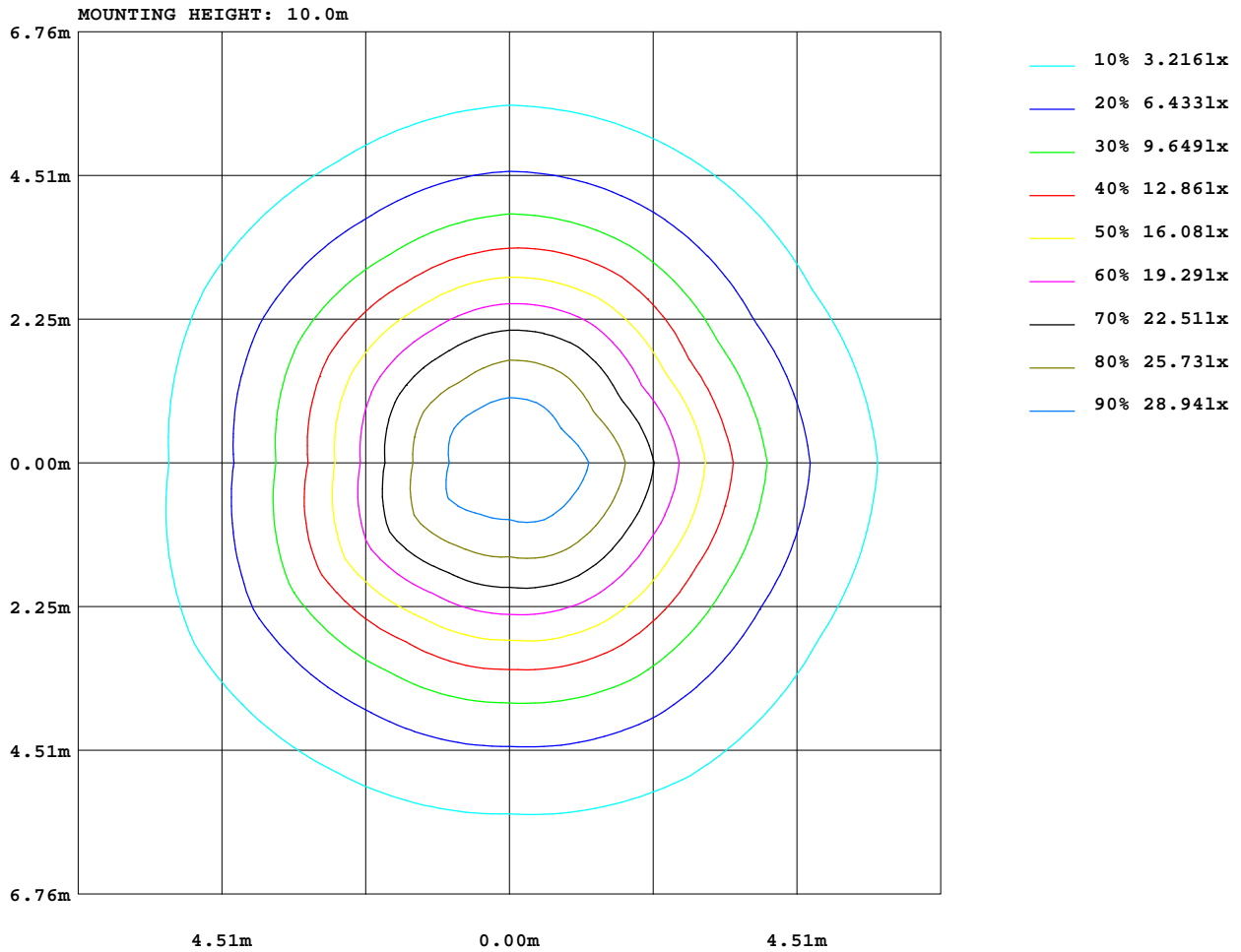
**Test System: HOPOO HPG1800**  
**Temperature: 25.3 DEG**  
**Operators:**  
**Test Date: 2024/02/02**

**Test Set: 5.0 deg/s C-Gamma (TYPE C)**  
**Humidity: 65.0%**  
**Test Distance: 5.900 m**  
**Remarks:**

# ISOLUX DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3500</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

## AREA LUMINOUS FLUX

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3500</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.09	0.11	0.13	0.14	0.15	0.20	0.29	0.38	0.46	0.47	0.40	0.32	0.23	0.17	0.15	0.13	0.12	0.10	4.03	4.03	
45	0.11	0.13	0.15	0.20	0.27	0.41	0.62	0.84	1.01	1.02	0.88	0.69	0.48	0.33	0.23	0.17	0.14	0.12	7.80	7.80	
40	0.13	0.16	0.23	0.38	0.60	0.98	1.50	1.98	2.32	2.35	2.06	1.60	1.07	0.68	0.42	0.26	0.17	0.13	17.0	17.0	
35	0.14	0.22	0.40	0.72	1.32	2.05	2.94	3.86	4.49	4.55	4.03	3.18	2.22	1.37	0.75	0.43	0.24	0.16	33.1	33.1	
30	0.16	0.31	0.65	1.32	2.32	3.66	5.19	6.75	7.82	7.93	7.05	5.53	3.83	2.37	1.32	0.66	0.35	0.19	57.4	57.4	
25	0.18	0.42	0.97	2.03	3.63	5.78	8.19	10.5	12.1	12.3	11.1	8.61	5.87	3.59	2.00	1.02	0.50	0.24	89.3	89.3	
20	0.21	0.52	1.28	2.70	5.00	8.13	11.6	14.8	16.9	17.2	15.4	11.8	8.04	4.99	2.86	1.47	0.65	0.30	124	124	
15	0.23	0.60	1.52	3.22	6.02	9.99	14.6	18.5	20.7	21.0	18.8	14.6	10.2	6.56	3.73	1.89	0.82	0.36	154	154	
10	0.23	0.63	1.62	3.45	6.47	10.8	16.1	20.6	23.2	23.2	21.0	17.3	12.2	7.73	4.38	2.20	0.94	0.41	173	173	
5	0.23	0.66	1.66	3.53	6.59	11.0	16.4	20.9	23.2	23.4	21.4	17.5	12.4	7.83	4.43	2.22	0.95	0.40	175	175	
0	0.23	0.66	1.64	3.44	6.36	10.6	15.3	18.9	20.5	20.8	19.0	15.2	10.7	6.83	3.86	1.94	0.82	0.34	158	158	
-5	0.21	0.58	1.46	3.02	5.49	8.69	12.0	14.6	16.4	16.6	15.2	12.0	8.50	5.35	3.03	1.54	0.63	0.27	126	126	
-10	0.17	0.45	1.18	2.37	4.07	6.18	8.37	10.2	11.6	11.8	10.8	8.73	6.20	3.88	2.15	1.08	0.44	0.20	90.1	90.1	
-15	0.14	0.32	0.80	1.61	2.67	4.01	5.41	6.67	7.41	7.52	6.97	5.74	4.10	2.59	1.45	0.65	0.28	0.15	58.5	58.5	
-20	0.12	0.21	0.46	0.91	1.60	2.36	3.18	3.89	4.29	4.35	4.04	3.37	2.46	1.57	0.83	0.39	0.18	0.12	34.3	34.3	
-25	0.10	0.15	0.26	0.49	0.79	1.20	1.67	2.04	2.23	2.26	2.10	1.76	1.30	0.81	0.45	0.23	0.14	0.11	18.1	18.1	
-30	0.09	0.12	0.17	0.26	0.41	0.58	0.72	0.86	0.93	0.95	0.90	0.77	0.61	0.42	0.25	0.17	0.13	0.10	8.44	8.44	
-35	0.07	0.11	0.14	0.18	0.23	0.28	0.32	0.36	0.36	0.36	0.36	0.33	0.29	0.23	0.18	0.15	0.12	0.08	4.15	4.15	
-40	0.07	0.11	0.14	0.18	0.23	0.28	0.32	0.36	0.36	0.36	0.36	0.33	0.29	0.23	0.18	0.15	0.12	0.08	4.15	4.15	
-45	0.07	0.11	0.14	0.18	0.23	0.28	0.32	0.36	0.36	0.36	0.36	0.33	0.29	0.23	0.18	0.15	0.12	0.08	4.15	4.15	
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45				
Φ t	2.85	6.35	14.7	30.0	54.0	87.1	125	157	176	179	162	129	91.0	57.3	32.5	16.6	7.61	3.79	1379		
Φ a	2.85	6.35	14.7	30.0	54.0	87.1	125	157	176	179	162	129	91.0	57.3	32.5	16.6	7.61	3.79		1379	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

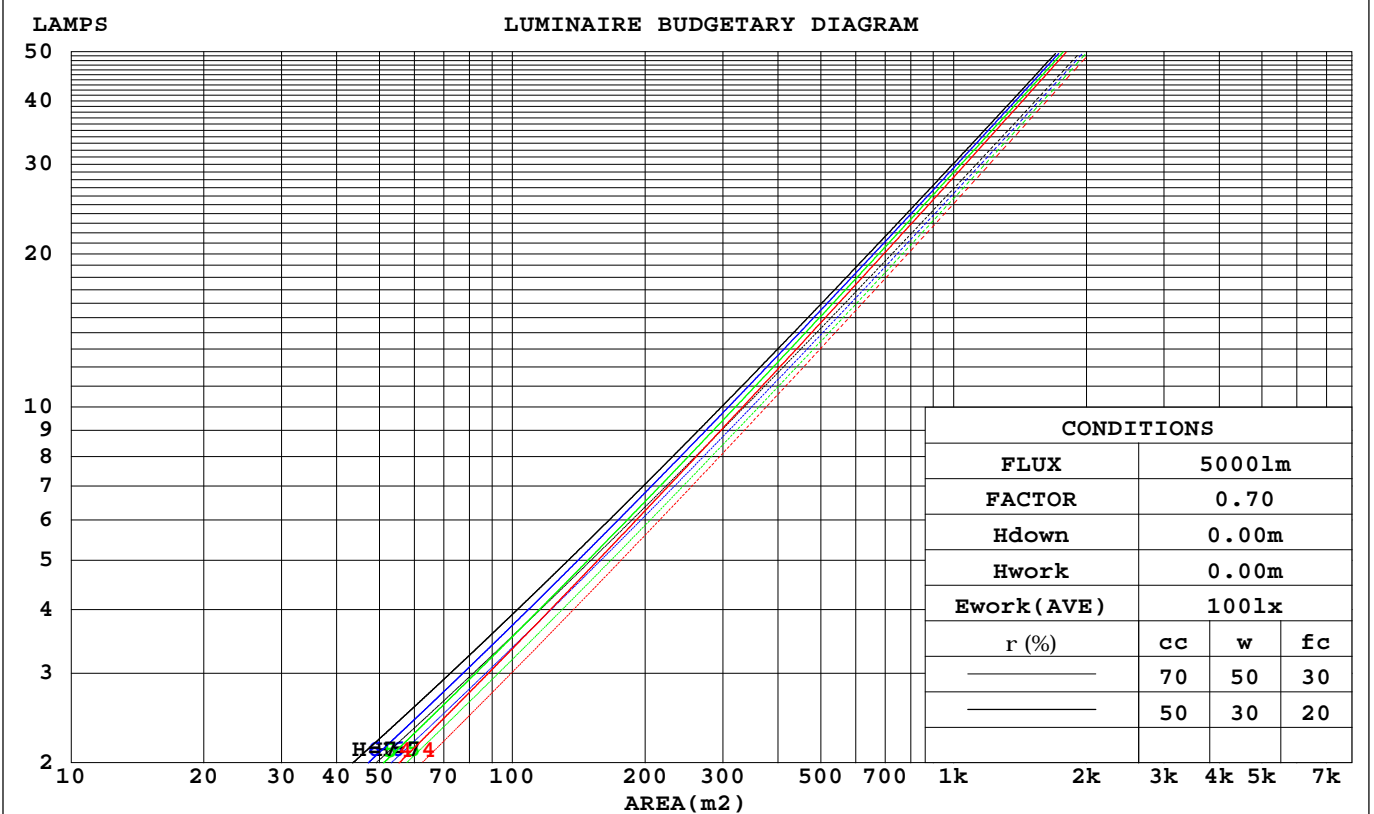
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 3500		<b>DIMENSION:</b>
			<b>SERIAL No.:</b>

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>															
	<b>Coefficients of Utilization(CU)</b>															
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	1.01	1.01	1.01	.99
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.05	1.01	.98	1.03	.00	.97	.00	.97	.95	.96	.94	.92	.94	.92	.90	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.89	.92	.89	.87	.90	.88	.86	.84
4.0	.94	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.84	.81	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.84	.81	.78	.83	.80	.77	.76
6.0	.85	.79	.76	.84	.79	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.72
7.0	.81	.76	.72	.80	.75	.72	.79	.74	.71	.78	.74	.71	.76	.73	.70	.69
8.0	.77	.72	.69	.77	.72	.68	.76	.71	.68	.74	.71	.68	.74	.70	.67	.66
9.0	.74	.69	.65	.73	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.63
10.0	.71	.66	.63	.71	.66	.63	.70	.65	.62	.69	.65	.62	.68	.65	.62	.61



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:



**WEC AND CCEC**

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.163	.093	.029	.156	.089	.028	.143	.082	.026	.131	.075	.024	.120	.069	.022	
2.0	.153	.084	.026	.147	.081	.025	.136	.076	.024	.126	.071	.022	.117	.066	.021	
3.0	.144	.077	.023	.139	.074	.022	.130	.070	.021	.121	.066	.020	.113	.063	.019	
4.0	.136	.071	.021	.132	.069	.020	.124	.066	.020	.116	.062	.019	.109	.059	.018	
5.0	.129	.066	.019	.125	.064	.019	.118	.061	.018	.111	.059	.018	.105	.056	.017	
6.0	.122	.061	.018	.119	.060	.017	.113	.058	.017	.107	.056	.016	.102	.054	.016	
7.0	.116	.058	.016	.114	.057	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	
8.0	.111	.054	.015	.109	.054	.015	.104	.052	.015	.099	.050	.015	.095	.049	.014	
9.0	.106	.051	.014	.104	.051	.014	.100	.049	.014	.096	.048	.014	.092	.047	.014	
10.0	.102	.049	.014	.100	.048	.013	.096	.047	.013	.093	.046	.013	.089	.045	.013	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.178	.165	.154	.152	.142	.133	.104	.098	.092	.060	.057	.053	.019	.018	.017	
2.0	.162	.141	.123	.139	.121	.106	.095	.084	.074	.055	.049	.043	.018	.016	.014	
3.0	.148	.122	.100	.127	.105	.087	.087	.073	.061	.050	.043	.036	.016	.014	.012	
4.0	.137	.107	.083	.118	.092	.072	.081	.064	.051	.047	.038	.030	.015	.012	.010	
5.0	.128	.095	.070	.110	.082	.061	.075	.057	.043	.044	.034	.026	.014	.011	.008	
6.0	.119	.085	.061	.103	.074	.053	.071	.052	.037	.041	.030	.022	.013	.010	.007	
7.0	.113	.077	.053	.097	.067	.046	.067	.047	.033	.039	.028	.019	.013	.009	.006	
8.0	.106	.071	.046	.092	.061	.041	.063	.043	.029	.037	.025	.017	.012	.008	.006	
9.0	.101	.066	.041	.087	.057	.036	.060	.040	.026	.035	.024	.015	.011	.008	.005	
10.0	.096	.061	.037	.083	.053	.033	.058	.037	.023	.034	.022	.014	.011	.007	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## UGR Table

Report number:

<b>MANUFACTURER:</b>										
<b>Address:</b>										
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-WH					<b>TYPE:</b>			<b>WEIGHT:</b>		
<b>SPECIFICATION:</b>		CCT(K): 3500			<b>DIMENSION:</b>			<b>SERIAL No.:</b>		
<b>ceiling/cavity</b>	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
<b>walls</b>	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
<b>working plane</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>x = 2H y = 2H</b>	15.0	15.8	15.3	16.0	16.2	14.9	15.7	15.1	15.9	16.0
3H	15.1	15.9	15.4	16.1	16.3	14.9	15.6	15.1	15.8	16.0
4H	15.2	15.9	15.4	16.1	16.3	14.8	15.5	15.1	15.8	16.0
6H	15.3	15.9	15.6	16.2	16.4	14.8	15.5	15.1	15.7	16.0
8H	15.3	16.0	15.7	16.3	16.5	14.8	15.4	15.1	15.7	16.0
12H	15.5	16.1	15.8	16.4	16.7	14.8	15.4	15.1	15.7	15.9
4H 2H	14.9	15.6	15.2	15.9	16.1	14.8	15.5	15.1	15.7	16.0
3H	15.0	15.6	15.3	15.9	16.2	14.9	15.5	15.2	15.8	16.1
4H	15.1	15.6	15.4	16.0	16.3	14.9	15.5	15.3	15.8	16.1
6H	15.2	15.7	15.6	16.1	16.5	14.9	15.4	15.3	15.8	16.2
8H	15.4	15.8	15.8	16.2	16.6	15.0	15.4	15.4	15.8	16.2
12H	15.6	16.0	16.0	16.4	16.8	15.0	15.4	15.4	15.8	16.2
8H 4H	15.0	15.5	15.4	15.8	16.2	14.9	15.3	15.3	15.7	16.1
6H	15.2	15.6	15.6	16.0	16.4	15.0	15.4	15.5	15.8	16.3
8H	15.4	15.7	15.8	16.1	16.6	15.1	15.5	15.6	15.9	16.4
12H	15.6	15.9	16.1	16.4	16.9	15.2	15.5	15.7	16.0	16.5
12H 4H	15.0	15.4	15.4	15.8	16.2	14.8	15.2	15.2	15.6	16.0
6H	15.2	15.5	15.7	16.0	16.4	15.0	15.3	15.5	15.8	16.2
8H	15.4	15.6	15.8	16.1	16.6	15.2	15.5	15.7	15.9	16.4
<b>Variations with the observer position at spacings:</b>										
<b>s = 1.0H</b>	+ 3.3 / - 2.1					+ 1.9 / - 2.2				
1.5H	+ 5.2 / - 2.3					+ 3.5 / - 2.1				
2.0H	+ 2.5 / - 1.6					+ 0.7 / - 1.9				

CIE Pub.117 Corrected 1379 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.1)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## UTILIZATION FACTORS TABLE

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

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
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS (PERCENT) <math>k(RI) \times RCR = 5</math></b>									
$k = 0.60$	88	82	78	88	82	78	87	81	78	75
0.80	95	90	86	95	89	86	93	89	85	82
1.00	99	94	90	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	94	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	106	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

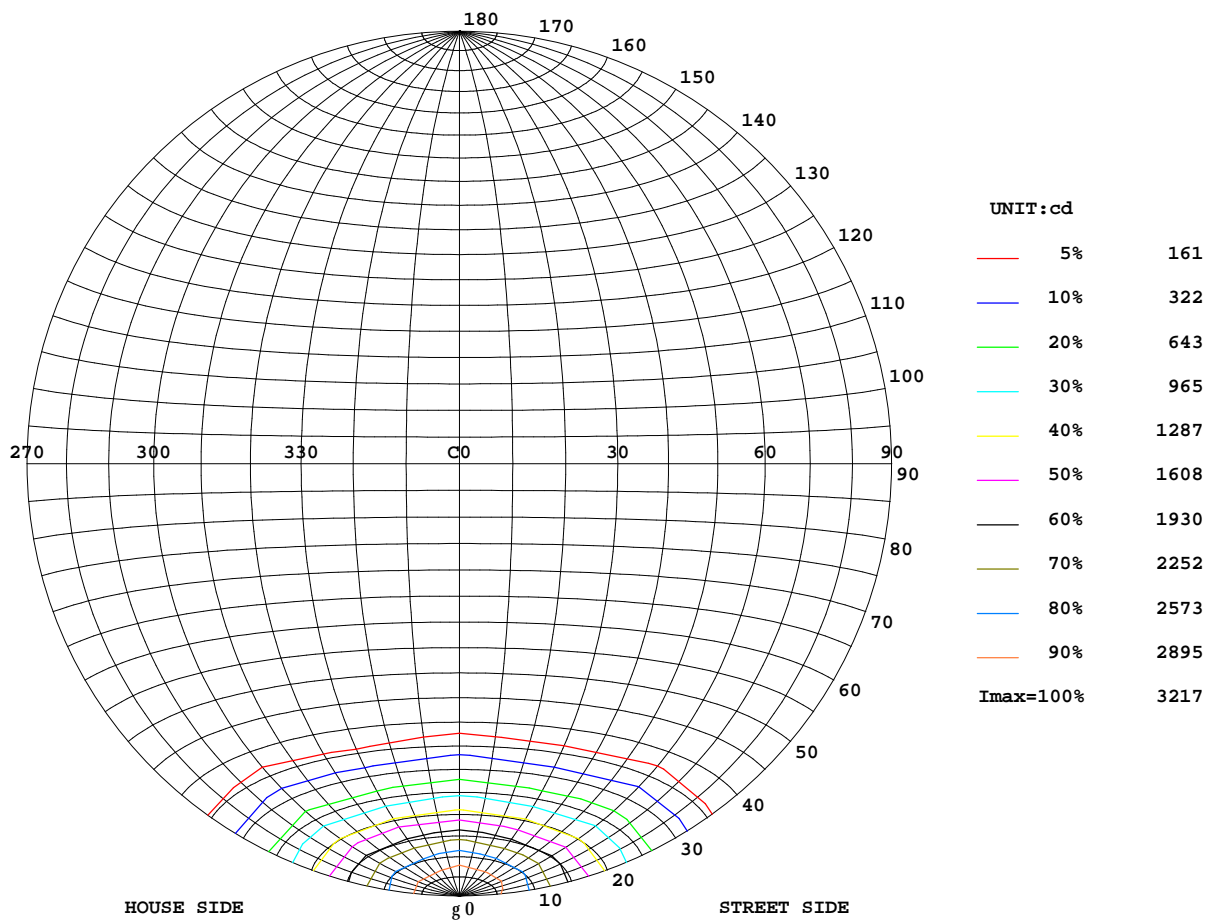
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

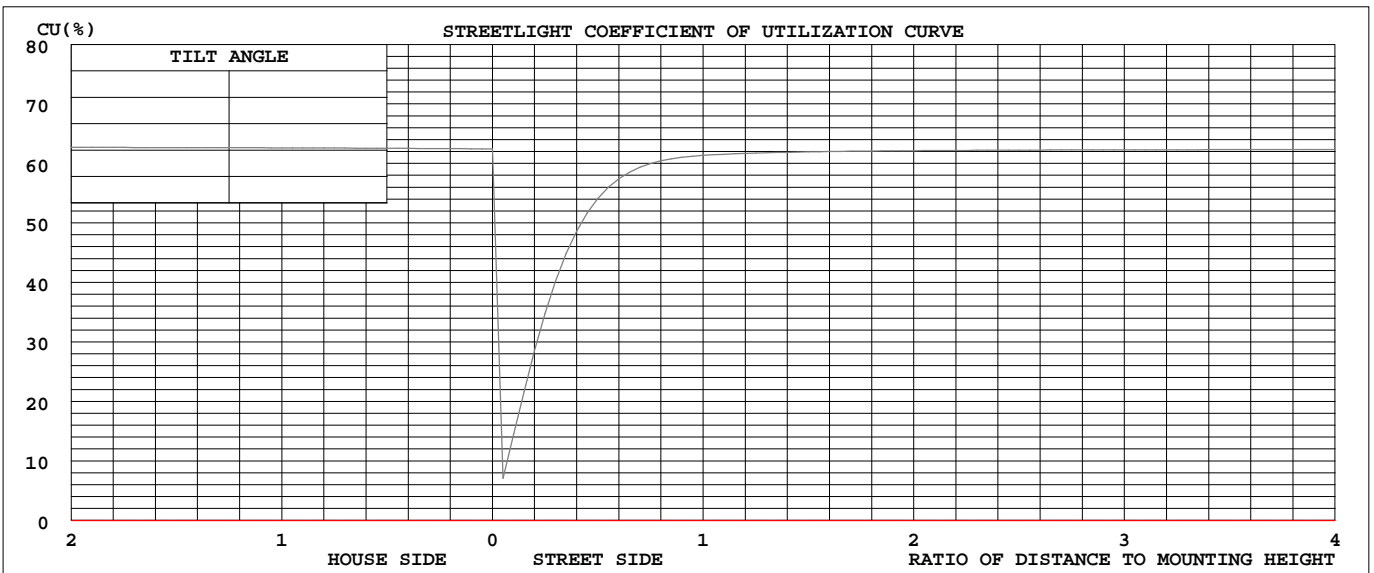
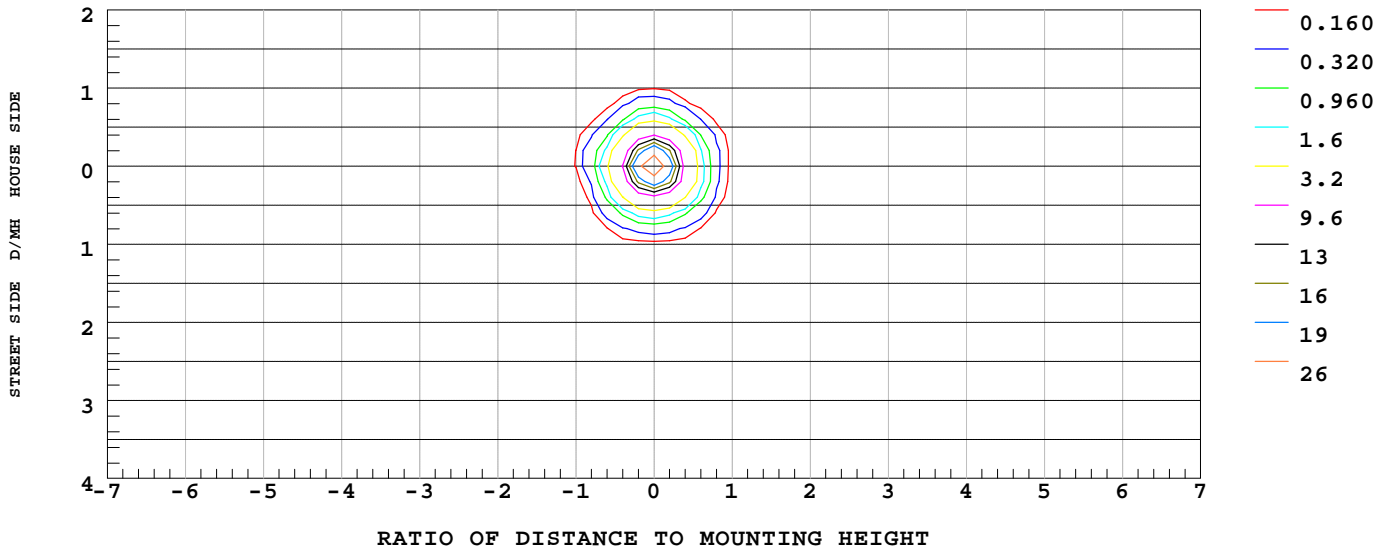
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 32.17 lx



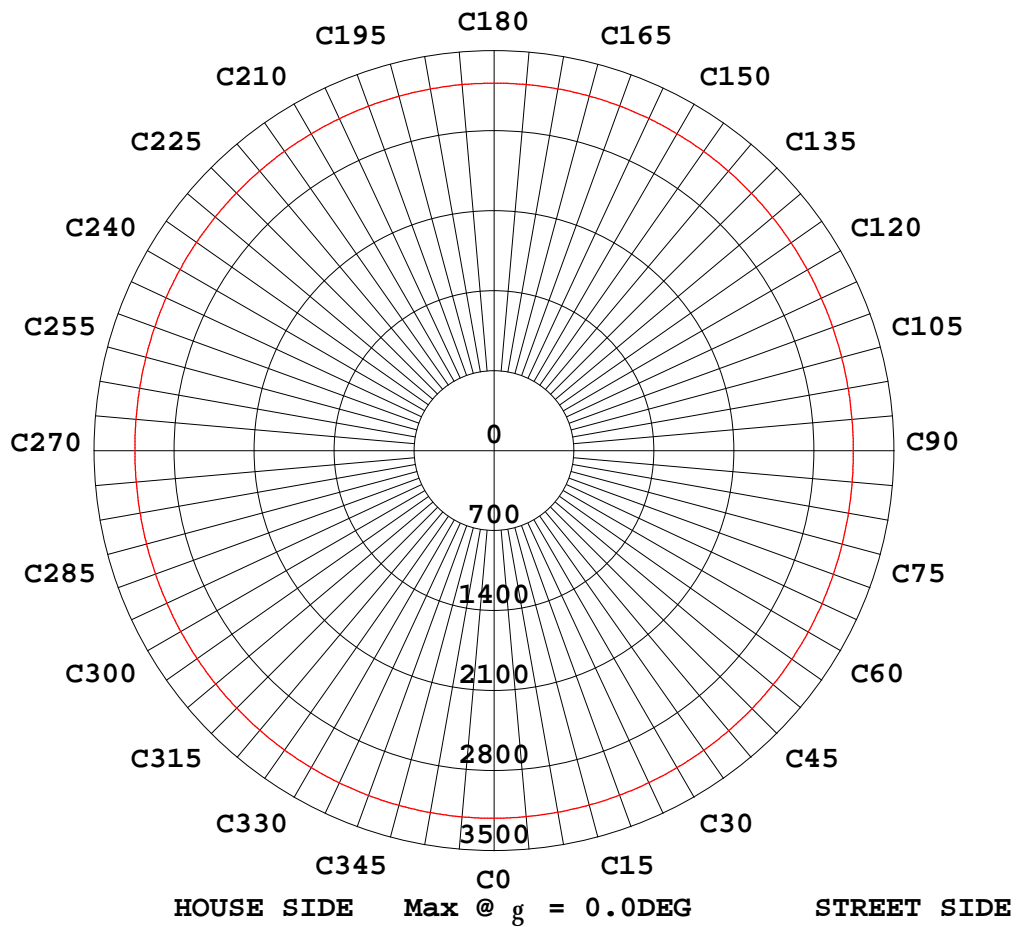
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/02/02

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 5.900 m  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3500</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

$\gamma$ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	3217	3203	3174	3144	3167	3203	3217	3203	3174	3144	3167	3203
5.0	3102	3055	3022	2934	2952	3047	2960	3014	2980	2990	3002	2970
10.0	2732	2646	2586	2506	2518	2664	2513	2561	2519	2593	2616	2546
15.0	2121	1989	1967	1864	1872	2041	1825	1933	1909	1976	2015	1901
20.0	1443	1330	1295	1243	1254	1378	1175	1282	1248	1294	1335	1265
25.0	888	799	825	758	769	843	684	761	738	814	791	735
30.0	493	430	459	413	428	467	359	408	384	441	420	393
35.0	246	203	225	199	213	239	156	198	197	216	195	191
40.0	104	74.6	100	72.8	95.9	93.6	61.9	87.6	62.6	96.4	73.9	88.8
45.0	47.2	29.0	42.0	27.8	41.3	35.3	24.9	36.5	25.7	40.8	29.8	40.5
50.0	29.0	20.2	28.2	19.8	26.7	19.4	17.4	24.5	17.5	24.9	18.1	25.7
55.0	22.9	15.6	23.4	14.8	20.2	14.7	12.8	19.9	14.4	19.2	14.6	20.7
60.0	16.5	9.50	16.1	8.49	12.9	8.70	7.93	13.8	8.98	13.1	9.64	14.3
65.0	11.8	6.37	12.0	5.49	9.95	6.43	5.81	10.9	6.57	9.32	6.82	10.9
70.0	7.62	3.16	7.10	2.95	6.75	3.34	3.55	7.41	3.37	6.99	3.68	7.27
75.0	5.95	2.33	5.63	2.12	5.56	2.50	2.68	6.12	2.43	5.60	2.71	6.02
80.0	4.69	1.53	4.45	1.35	4.38	1.63	1.84	4.94	1.67	4.38	1.91	4.87
85.0	3.65	0.97	3.55	0.87	3.48	0.97	1.32	3.93	1.21	3.48	1.32	3.86
90.0	3.09	0.77	2.95	0.73	2.92	0.73	1.18	3.16	0.94	3.16	0.94	3.16
95.0	2.85	0.77	2.74	0.73	2.71	0.73	1.18	2.95	0.97	2.95	0.94	2.95
100.0	2.68	0.80	2.57	0.77	2.54	0.77	1.21	2.78	0.97	2.78	0.94	2.78
105.0	2.50	0.84	2.43	0.80	2.40	0.80	1.21	2.61	0.97	2.61	0.94	2.57
110.0	2.40	0.87	2.29	0.84	2.29	0.84	1.21	2.43	0.97	2.43	0.94	2.43
115.0	2.29	0.91	2.19	0.87	2.19	0.87	1.21	2.33	0.97	2.29	0.94	2.29
120.0	2.19	0.97	2.12	0.94	2.08	0.94	1.25	2.19	0.97	2.19	0.94	2.19
125.0	2.12	1.04	2.05	1.04	2.05	1.00	1.35	2.15	1.04	2.12	1.00	2.12
130.0	2.15	1.21	2.08	1.18	2.08	1.14	1.49	2.12	1.18	2.08	1.14	2.15
135.0	2.26	1.46	2.19	1.46	2.22	1.42	1.77	2.22	1.42	2.19	1.39	2.29
140.0	2.50	1.91	2.50	1.87	2.50	1.81	2.22	2.50	1.84	2.43	1.77	2.54
145.0	2.95	2.50	2.95	2.50	2.99	2.36	2.85	2.92	2.40	2.85	2.33	3.06
150.0	3.62	3.27	3.62	3.27	3.65	3.09	3.65	3.58	3.13	3.48	3.06	3.72
155.0	4.42	4.17	4.38	4.14	4.42	3.96	4.59	4.38	4.00	4.21	3.89	4.56
160.0	5.29	5.08	5.25	5.04	5.25	4.90	5.53	5.25	4.90	5.08	4.80	5.43
165.0	6.16	5.95	6.09	5.84	6.02	5.77	6.47	6.12	5.77	5.95	5.70	6.23
170.0	6.96	6.64	6.78	6.57	6.68	6.50	7.27	6.85	6.50	6.75	6.40	6.89
175.0	7.55	7.10	7.27	7.10	6.92	7.37	7.79	7.37	7.03	7.31	6.92	7.37
180.0	7.97	7.55	7.20	7.55	7.10	7.55	7.97	7.55	7.20	7.55	7.10	7.55

**Test System:HOPOO HPG1800**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024/02/02**

**Test Set: 5.0deg/s C-Gamma (TYPE C)**  
**Humidity:65.0%**  
**Test Distance:5.900 m**  
**Remarks:**