

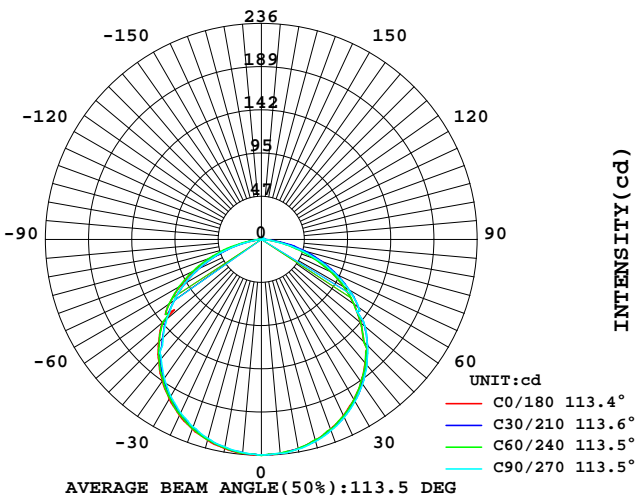
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

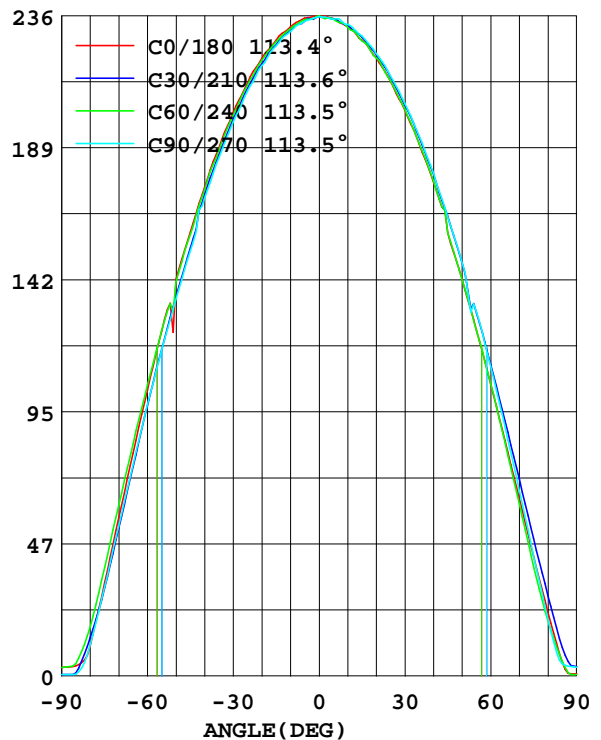
MANUFACTURER:			
Address:			
NAME: JXL-CA04-T10W-5CCT-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	236.4	S/MH(C0/180)	1.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	10	TOTAL FLUX(lm)	675.7	Voltage(V)	120.8
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	70.5	Current(A)	0.081
NOMINAL FLUX(lm)	675.7	h up(%)	1.4	Power(W)	9.580
LAMPS QUANTITY	1	h down(%)	98.6	Power Factor(PF)	0.972
TEST VOLTAGE(V)	120.8	Effective Flux(lm)	675.7	EEL	0.171

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



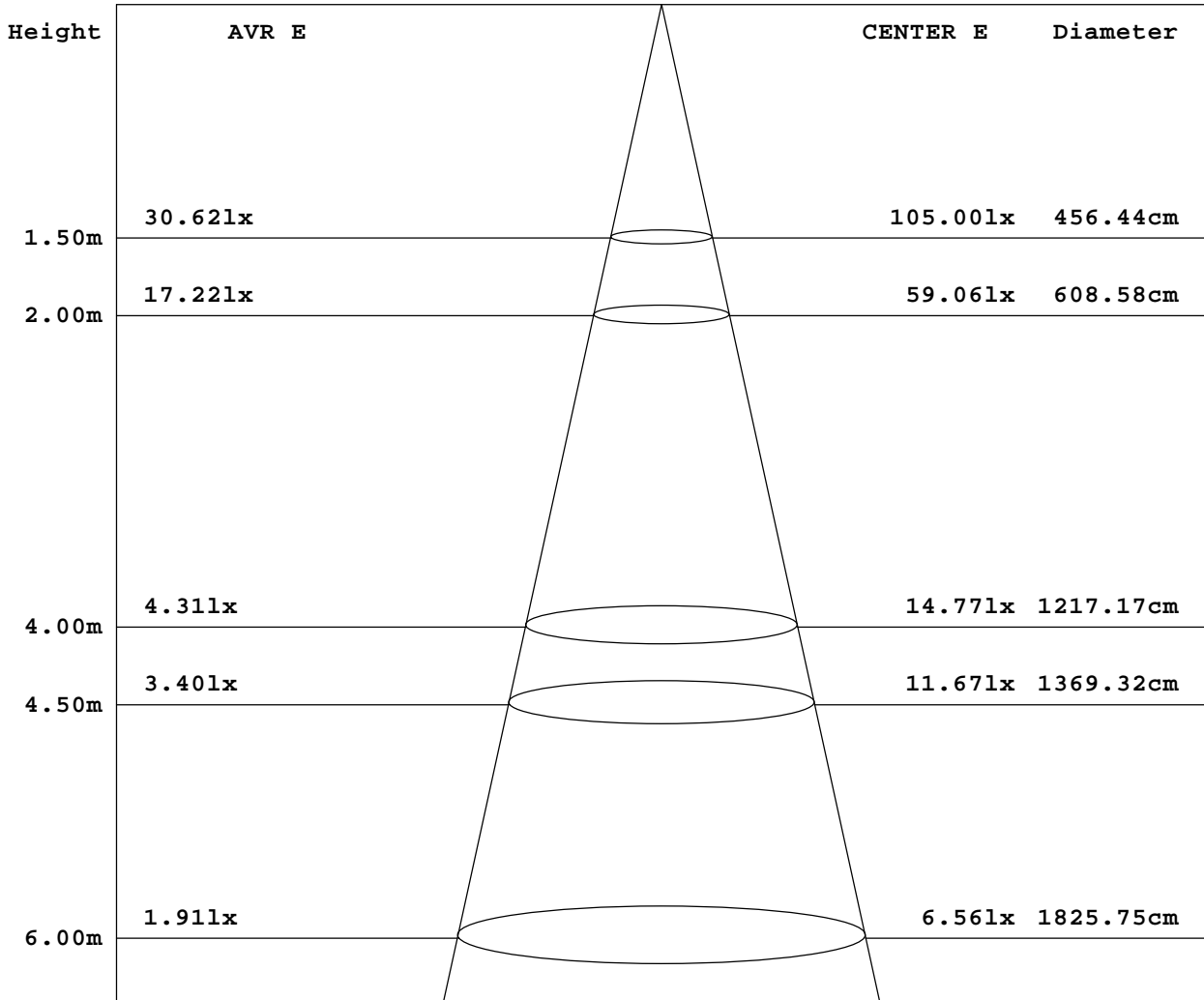
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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-CA04-T10W-5CCT-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Angle:113.4deg

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 4000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Φone	tĐtal
5.0	235.5	234.7	234.4	235.2	235.3	235.2	235.1	234.6	0- 5	5.628	5.628
10.0	232.4	231.4	230.7	232.5	232.5	232.6	233.2	231.3	5- 10	16.71	22.33
15.0	227.6	226.5	225.6	228.4	227.6	228.0	229.1	225.8	10- 15	27.25	49.59
20.0	221.0	219.7	218.5	221.8	221.3	221.8	222.7	218.9	15- 20	36.93	86.53
25.0	212.4	211.1	209.5	213.8	212.8	213.7	214.8	210.0	20- 25	45.42	131.9
30.0	201.7	200.2	198.4	203.7	202.5	203.5	204.9	198.9	25- 30	52.39	184.3
35.0	189.0	187.3	185.4	192.2	190.4	191.6	193.3	186.2	30- 35	57.61	241.9
40.0	174.7	173.1	170.9	178.6	176.6	178.2	179.8	171.6	35- 40	60.89	302.8
45.0	159.0	155.6	152.2	164.5	158.6	161.6	164.3	154.2	40- 45	62.00	364.8
50.0	142.0	138.4	134.9	145.6	142.0	144.8	147.8	134.9	45- 50	60.57	425.4
55.0	123.3	120.1	116.7	128.1	123.5	126.7	130.2	118.6	50- 55	57.15	482.5
60.0	102.4	100.6	97.32	109.5	104.5	108.1	110.8	98.63	55- 60	52.63	535.2
65.0	79.85	79.05	75.64	89.72	84.27	87.46	89.32	76.68	60- 65	45.49	580.7
70.0	56.56	56.93	53.67	69.08	63.42	65.93	66.06	54.32	65- 70	36.41	617.1
75.0	33.38	35.19	31.88	47.81	42.99	44.33	42.99	32.14	70- 75	26.12	643.2
80.0	10.82	15.68	11.20	27.69	22.76	24.29	20.43	14.39	75- 80	15.45	658.7
85.0	3.585	2.784	0.661	9.659	4.838	7.693	4.351	2.819	80- 85	6.147	664.8
90.0	3.028	1.792	0.487	1.879	0.731	1.914	3.132	1.688	85- 90	1.463	666.3
95.0	2.680	1.618	0.487	1.653	0.696	1.688	2.749	1.549	90- 95	0.945	667.2
100.0	2.436	1.514	0.557	1.514	0.766	1.566	2.471	1.462	95-100	0.858	668.1
105.0	2.297	1.444	0.627	1.427	0.835	1.496	2.297	1.427	100-105	0.800	668.9
110.0	2.158	1.427	0.696	1.409	0.905	1.462	2.193	1.409	105-110	0.758	669.6
115.0	2.088	1.409	0.766	1.357	0.975	1.462	2.053	1.392	110-115	0.726	670.4
120.0	2.018	1.409	0.835	1.357	1.044	1.462	1.984	1.392	115-120	0.695	671.1
125.0	1.949	1.427	0.905	1.374	1.113	1.427	1.949	1.409	120-125	0.660	671.7
130.0	1.914	1.427	0.975	1.392	1.218	1.427	1.914	1.409	125-130	0.626	672.4
135.0	1.879	1.444	1.044	1.409	1.287	1.444	1.879	1.427	130-135	0.586	672.9
140.0	1.879	1.462	1.079	1.427	1.322	1.462	1.844	1.427	135-140	0.543	673.5
145.0	1.844	1.462	1.113	1.427	1.392	1.479	1.810	1.444	140-145	0.493	674.0
150.0	1.810	1.496	1.183	1.444	1.427	1.479	1.810	1.462	145-150	0.439	674.4
155.0	1.810	1.496	1.218	1.462	1.496	1.496	1.775	1.462	150-155	0.381	674.8
160.0	1.775	1.514	1.253	1.462	1.531	1.496	1.775	1.479	155-160	0.318	675.1
165.0	1.775	1.514	1.287	1.479	1.566	1.514	1.740	1.479	160-165	0.252	675.4
170.0	1.775	1.531	1.322	1.496	1.601	1.514	1.740	1.496	165-170	0.183	675.5
175.0	1.636	1.514	1.427	1.496	1.636	1.514	1.705	1.496	170-175	0.110	675.7
180.0	1.670	1.514	1.670	1.479	1.670	1.514	1.670	1.479	175-180	0.037	675.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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

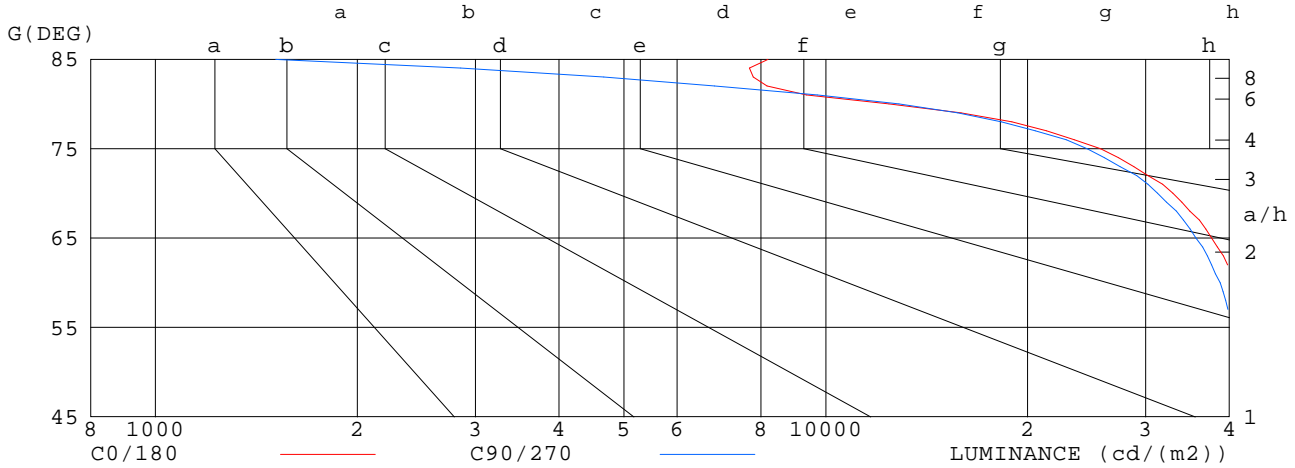
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</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	2000	1000	500	<=300	<=300	<=300	<=300	<=300
1.50	B		2000	1000	500	<=300	<=300	<=300	<=300
1.85	C			2000	1000	500	<=300	<=300	<=300
2.20	D				2000	1000	500	<=300	<=300
2.55	E					2000	1000	500	<=300



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	8195	1512
80	12419	12858
75	25693	24541
70	32946	31263
65	37640	35654
60	40815	38776
55	42845	40548
50	44036	41824
45	44806	42904

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/22

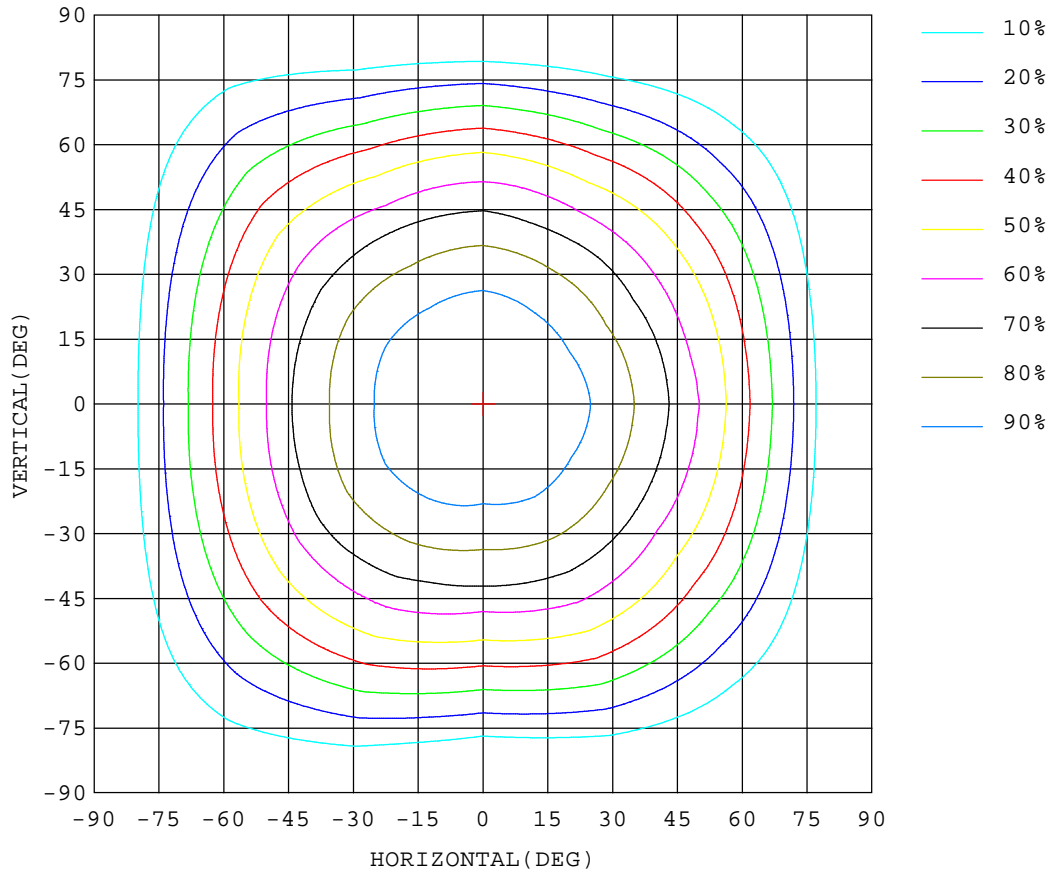
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



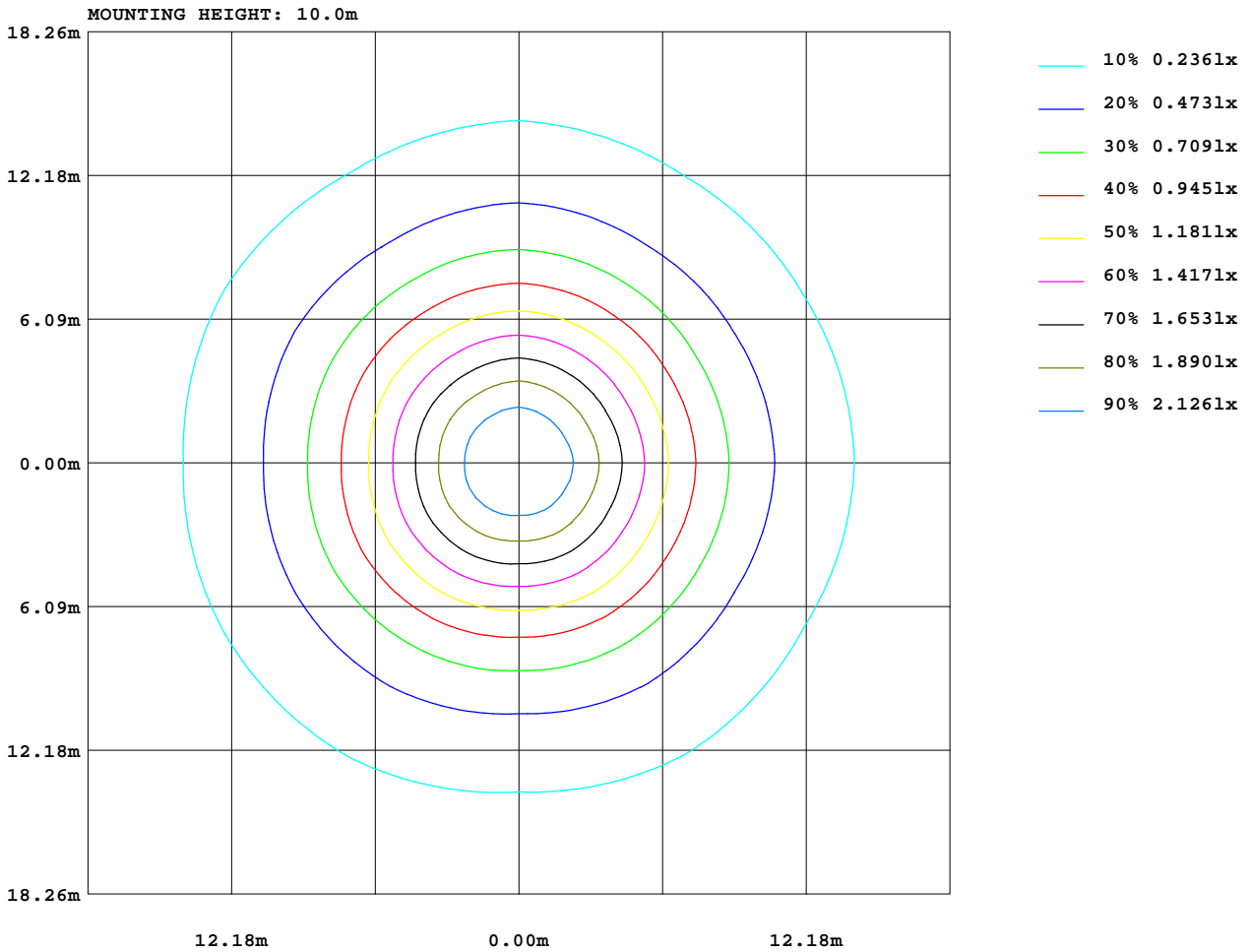
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/22

**Test Set:** 5.0deg/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-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



**Test System:HOPOO HPG1800**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024/01/22**

**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-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	
<b>SPECIFICATION:</b>		<b>CCT(K): 4000</b>	
		<b>DIMENSION:</b>	
		<b>WEIGHT:</b>	
		<b>SERIAL No.:</b>	

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	
90	0.00	0.02	0.05	0.09	0.12	0.14	0.16	0.19	0.22	0.20	0.16	0.11	0.07	0.06	0.05	0.04	0.02	0.01	1.71	1.71
80	0.00	0.04	0.18	0.39	0.58	0.76	0.94	1.14	1.28	1.25	1.06	0.82	0.58	0.35	0.18	0.07	0.03	0.01	9.67	9.67
70	0.01	0.10	0.37	0.78	1.19	1.61	2.01	2.40	2.64	2.61	2.31	1.87	1.39	0.91	0.48	0.18	0.04	0.01	20.9	20.9
60	0.01	0.17	0.57	1.16	1.81	2.46	3.03	3.54	3.85	3.82	3.45	2.89	2.24	1.53	0.87	0.36	0.07	0.01	31.8	31.8
50	0.02	0.23	0.74	1.50	2.37	3.18	3.90	4.53	4.91	4.88	4.43	3.75	2.98	2.10	1.24	0.55	0.13	0.01	41.5	41.5
40	0.02	0.28	0.88	1.78	2.79	3.81	4.71	5.39	5.79	5.76	5.30	4.53	3.56	2.57	1.58	0.73	0.18	0.01	49.7	49.7
30	0.03	0.32	1.00	1.98	3.12	4.30	5.29	6.02	6.44	6.42	5.93	5.13	4.07	2.91	1.84	0.87	0.22	0.01	55.9	55.9
20	0.03	0.34	1.06	2.11	3.34	4.60	5.68	6.45	6.87	6.84	6.36	5.52	4.44	3.20	2.02	0.98	0.26	0.01	60.1	60.1
10	0.03	0.36	1.09	2.16	3.44	4.73	5.84	6.66	7.08	7.06	6.60	5.78	4.66	3.38	2.10	1.03	0.28	0.01	62.3	62.3
0	0.03	0.36	1.09	2.16	3.44	4.73	5.85	6.67	7.08	7.06	6.62	5.79	4.67	3.39	2.10	1.03	0.28	0.01	62.4	62.4
-10	0.03	0.34	1.06	2.10	3.34	4.61	5.69	6.46	6.83	6.81	6.39	5.56	4.47	3.20	2.02	0.97	0.26	0.01	60.2	60.2
-20	0.03	0.32	0.99	1.97	3.11	4.32	5.31	6.01	6.34	6.32	5.95	5.17	4.10	2.92	1.83	0.87	0.23	0.01	55.8	55.8
-30	0.02	0.28	0.88	1.76	2.78	3.81	4.73	5.35	5.62	5.60	5.28	4.59	3.60	2.55	1.57	0.73	0.18	0.01	49.4	49.4
-40	0.02	0.23	0.73	1.49	2.36	3.20	3.93	4.46	4.66	4.64	4.38	3.82	3.02	2.11	1.24	0.56	0.13	0.01	41.0	41.0
-50	0.01	0.17	0.56	1.15	1.84	2.53	3.12	3.44	3.56	3.54	3.38	2.98	2.32	1.56	0.87	0.37	0.08	0.01	31.5	31.5
-60	0.01	0.10	0.38	0.79	1.25	1.73	2.13	2.32	2.35	2.31	2.22	1.96	1.49	0.96	0.50	0.19	0.04	0.01	20.7	20.7
-70	0.00	0.04	0.18	0.41	0.65	0.89	1.06	1.09	1.03	1.00	0.98	0.87	0.65	0.39	0.18	0.06	0.02	0.01	9.52	9.52
-80	0.00	0.01	0.03	0.09	0.15	0.21	0.23	0.18	0.12	0.10	0.13	0.14	0.12	0.06	0.02	0.01	0.01	0.01	1.61	1.61
-90	0.00	0.01	0.03	0.09	0.15	0.21	0.23	0.18	0.12	0.10	0.13	0.14	0.12	0.06	0.02	0.01	0.01	0.01	1.61	1.61
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
Φ t	0.29	3.68	11.8	23.9	37.7	51.6	63.6	72.3	76.7	76.2	70.9	61.3	48.4	34.2	20.7	9.60	2.44	0.19	676	
Φ a	0.29	3.68	11.8	23.9	37.7	51.6	63.6	72.3	76.7	76.2	70.9	61.3	48.4	34.2	20.7	9.60	2.44	0.19		676

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/22

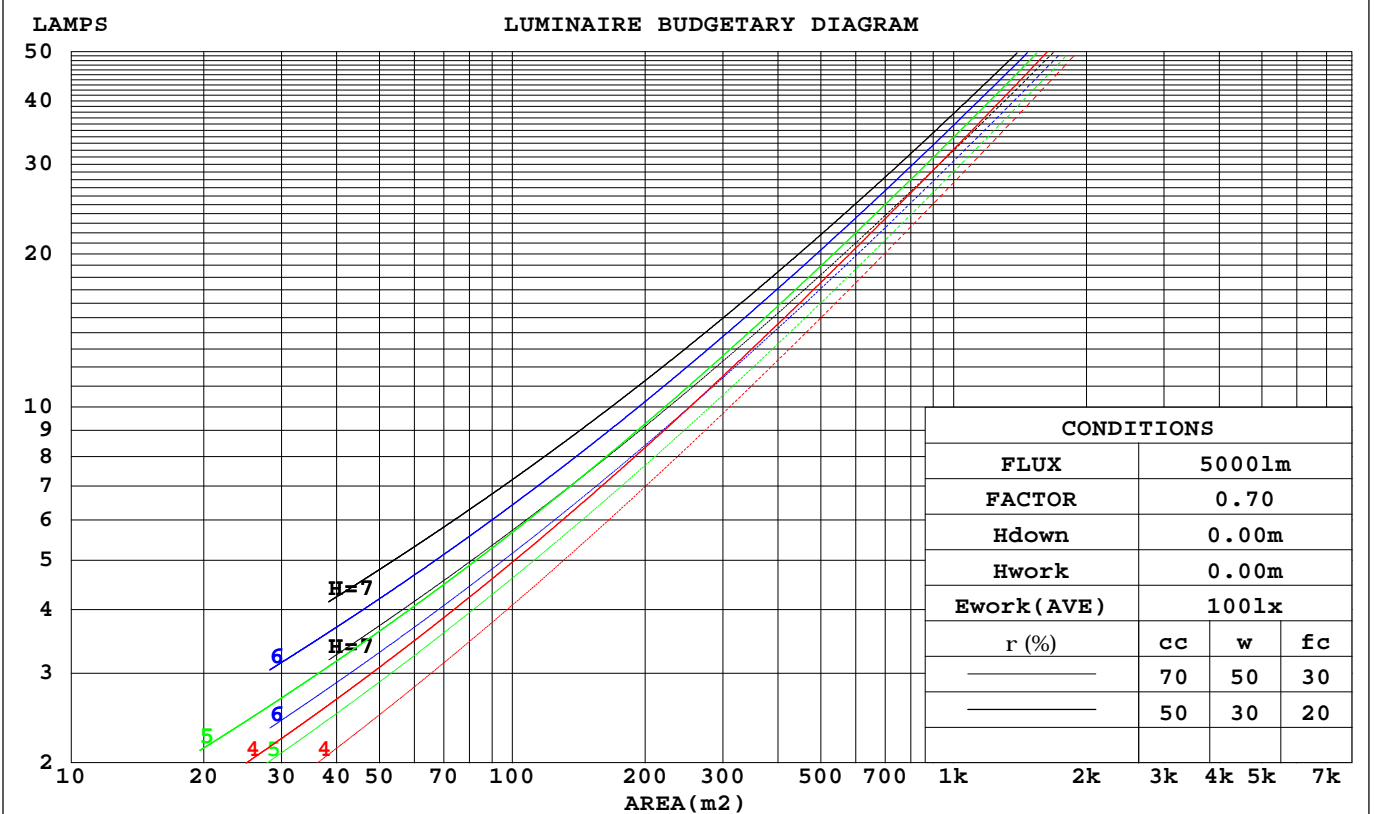
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-CA04-T10W-5CCT-BK		<b>TYPE:</b>	
<b>SPECIFICATION:</b>		<b>SERIAL No.:</b>	
CCT(K): 4000		DIMENSION:	

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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.04	1.00	.96	1.02	.98	.95	.97	.94	.91	.93	.91	.88	.89	.87	.85	.83
2.0	.91	.84	.79	.89	.83	.78	.85	.80	.76	.82	.77	.74	.78	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.69	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.48	.62	.54	.47	.60	.52	.47	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.42	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.43	.37	.51	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.33	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 4000	<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	.298	.169	.054	.290	.166	.053	.276	.159	.051	.264	.152	.049	.252	.146	.047	
2.0	.284	.156	.048	.278	.153	.047	.265	.147	.046	.254	.142	.045	.243	.138	.043	
3.0	.265	.141	.042	.259	.139	.042	.248	.134	.041	.238	.130	.040	.228	.126	.039	
4.0	.245	.128	.037	.240	.126	.037	.230	.122	.037	.221	.119	.036	.213	.116	.035	
5.0	.228	.116	.034	.223	.114	.033	.214	.112	.033	.206	.109	.032	.199	.106	.032	
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.192	.100	.029	.185	.098	.029	
7.0	.197	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

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	.201	.201	.201	.172	.172	.172	.117	.117	.117	.067	.067	.067	.022	.022	.022	
1.0	.190	.167	.146	.163	.143	.126	.111	.099	.087	.064	.057	.051	.021	.018	.016	
2.0	.182	.143	.110	.156	.123	.095	.107	.085	.066	.062	.049	.039	.020	.016	.013	
3.0	.174	.125	.086	.149	.108	.074	.103	.075	.052	.059	.044	.031	.019	.014	.010	
4.0	.167	.112	.070	.143	.097	.061	.098	.067	.043	.057	.039	.025	.018	.013	.008	
5.0	.159	.101	.059	.137	.088	.051	.094	.061	.036	.055	.036	.021	.018	.012	.007	
6.0	.152	.093	.050	.131	.081	.044	.090	.056	.031	.052	.033	.018	.017	.011	.006	
7.0	.146	.086	.044	.125	.075	.039	.087	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.139	.080	.040	.120	.070	.035	.083	.049	.025	.048	.029	.015	.016	.009	.005	
9.0	.133	.075	.036	.115	.065	.032	.080	.046	.023	.046	.027	.013	.015	.009	.004	
10.0	.128	.071	.034	.110	.062	.029	.076	.043	.021	.045	.026	.012	.014	.008	.004	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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

## UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: JXL-CA04-T10W-5CCT-BK					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 4000			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	25.7	27.2	26.0	27.4	27.6	25.7	27.2	26.0	27.5	27.7
3H	26.9	28.3	27.3	28.6	28.8	27.0	28.4	27.3	28.7	28.9
4H	27.3	28.6	27.6	28.9	29.2	27.4	28.7	27.7	29.0	29.3
6H	27.4	28.6	27.8	28.9	29.2	27.5	28.7	27.9	29.0	29.3
8H	27.4	28.6	27.7	28.9	29.2	27.5	28.7	27.8	29.0	29.3
12H	27.3	28.5	27.7	28.8	29.1	27.4	28.6	27.8	28.9	29.2
4H 2H	26.2	27.5	26.6	27.8	28.1	26.3	27.6	26.6	27.9	28.2
3H	27.6	28.8	28.0	29.1	29.4	27.8	28.9	28.2	29.2	29.6
4H	28.1	29.1	28.5	29.4	29.8	28.3	29.3	28.7	29.7	30.0
6H	28.2	29.1	28.6	29.5	29.9	28.5	29.4	28.9	29.8	30.2
8H	28.2	29.1	28.6	29.5	29.9	28.5	29.3	28.9	29.7	30.1
12H	28.2	29.0	28.6	29.4	29.8	28.4	29.2	28.9	29.6	30.0
8H 4H	28.2	29.1	28.7	29.5	29.9	28.4	29.3	28.9	29.7	30.1
6H	28.5	29.2	28.9	29.6	30.0	28.7	29.4	29.2	29.8	30.3
8H	28.5	29.1	28.9	29.5	30.0	28.7	29.4	29.2	29.8	30.3
12H	28.4	29.0	28.9	29.5	30.0	28.7	29.3	29.2	29.7	30.2
12H 4H	28.2	29.0	28.7	29.4	29.8	28.4	29.2	28.9	29.6	30.0
6H	28.5	29.1	28.9	29.5	30.0	28.7	29.3	29.2	29.8	30.3
8H	28.5	29.0	29.0	29.5	30.0	28.7	29.3	29.2	29.8	30.3
Variations with the observer position at spacings:										
s = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.5				

CIE Pub.117 Corrected 675.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.4)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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: JXL-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 4000	<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	57	46	39	57	46	39	55	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	79	72	87	78	71	83	76	70	62
2.00	95	87	80	93	85	80	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	99	95	92	83
5.00	109	104	100	106	102	98	101	98	95	86
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

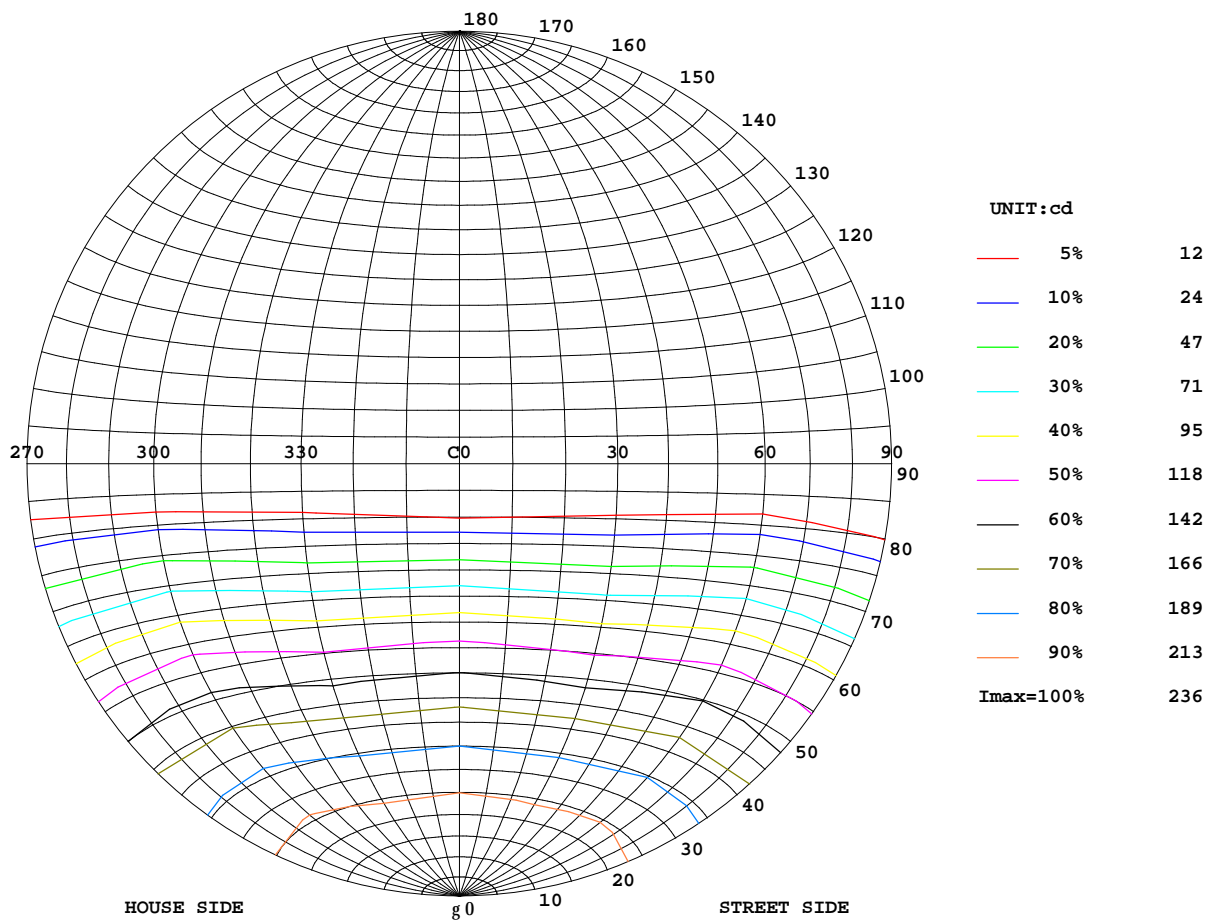
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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-CA04-T10W-5CCT-BK		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 4000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

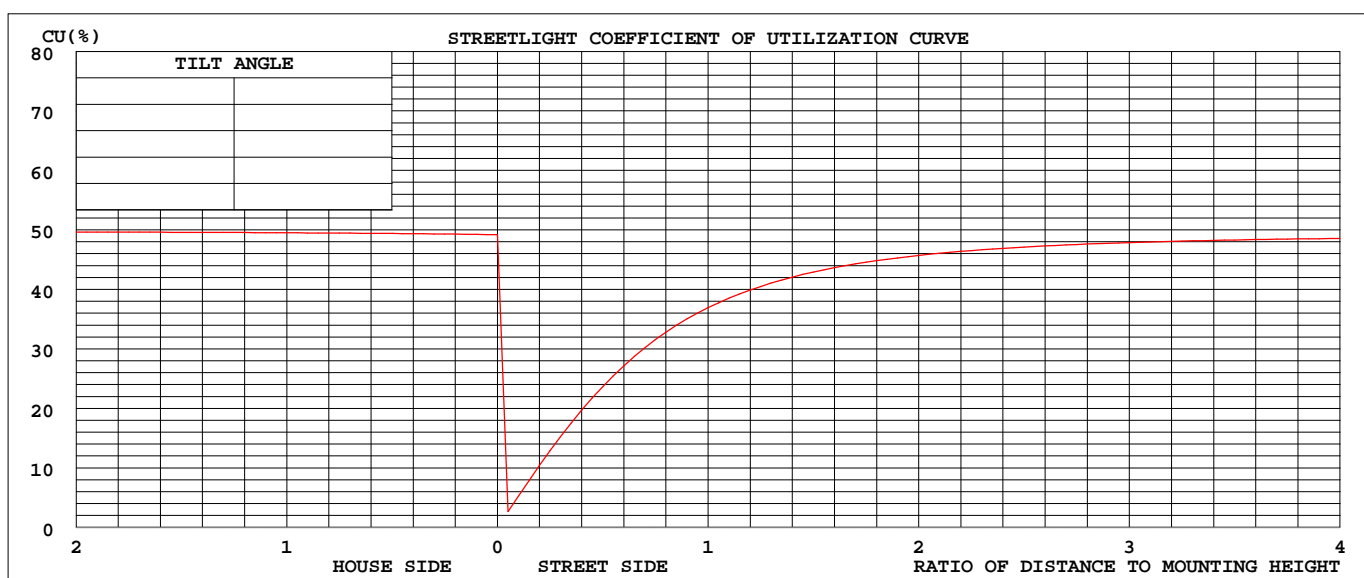
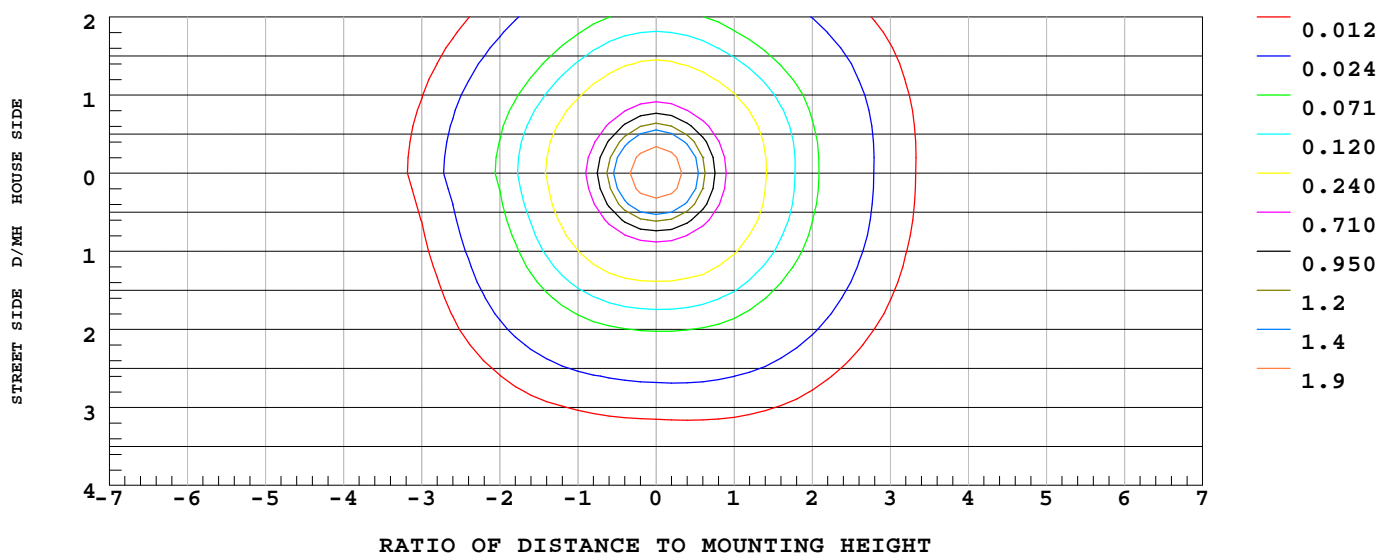
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-CA04-T10W-5CCT-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 2.36 lx



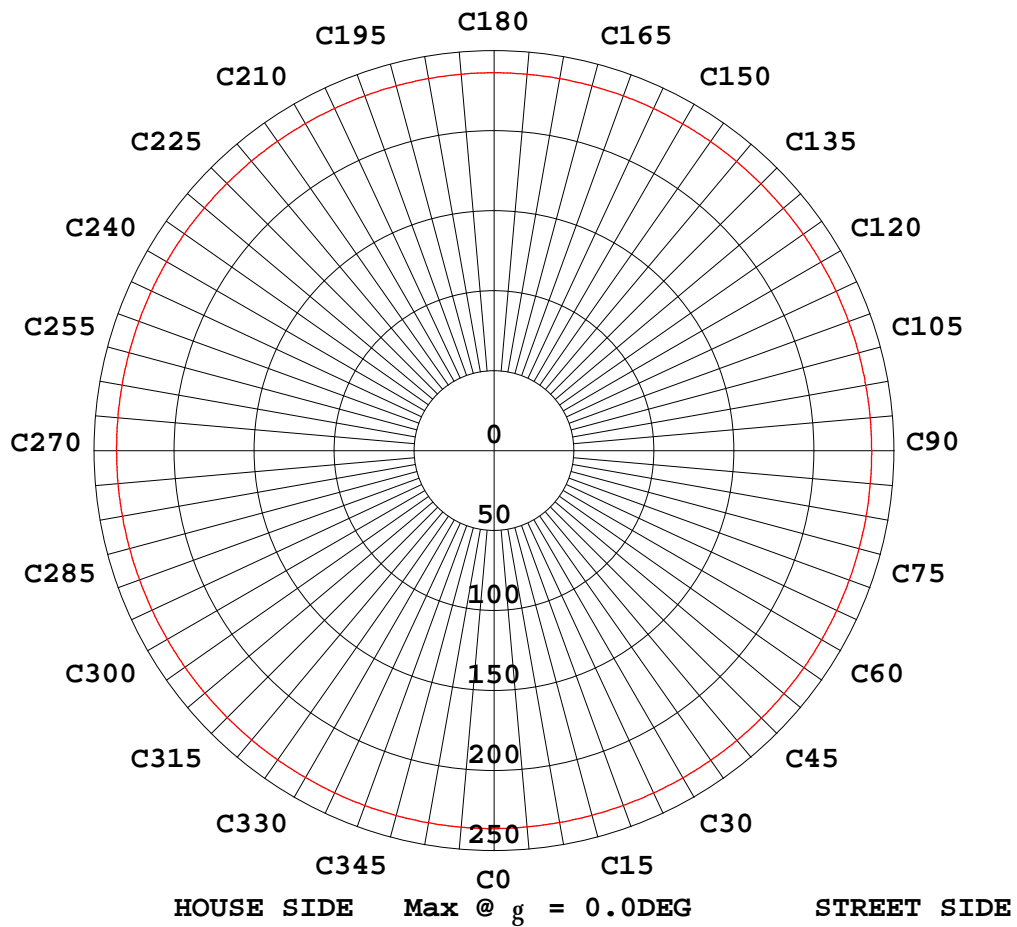
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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-CA04-T10W-5CCT-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/22

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-CA04-T10W-5CCT-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</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	236	236	236	236	236	236	236	236	236	236	236	236
5.0	236	234	235	234	235	235	235	235	235	235	235	234
10.0	232	231	232	231	232	233	233	233	232	233	232	231
15.0	228	226	227	226	228	229	228	229	227	229	226	225
20.0	221	219	220	219	221	223	221	222	221	223	220	218
25.0	212	211	212	210	213	215	213	214	213	215	211	209
30.0	202	200	201	198	203	205	203	204	203	205	200	198
35.0	189	187	188	185	191	194	190	193	191	193	187	185
40.0	175	172	174	171	177	180	177	179	177	180	173	170
45.0	159	153	158	152	162	167	159	165	159	164	154	154
50.0	142	136	141	135	145	146	142	148	142	148	137	133
55.0	123	117	124	117	128	128	124	130	124	130	119	118
60.0	102	96.9	104	97.3	109	110	105	112	105	111	99.2	97.9
65.0	79.8	75.0	83.0	75.6	89.4	90.0	84.2	91.3	83.6	89.3	77.6	75.7
70.0	56.5	52.8	60.9	53.6	68.6	69.5	63.4	70.3	61.4	66.0	55.6	52.9
75.0	33.3	31.5	38.8	31.8	46.6	48.9	42.9	49.3	39.3	42.9	33.9	30.3
80.0	10.8	13.7	17.5	11.2	26.1	29.2	22.7	28.7	19.8	20.4	15.5	13.2
85.0	3.58	1.11	4.45	0.66	8.77	10.5	4.83	10.1	5.25	4.35	2.19	3.44
90.0	3.02	0.52	3.06	0.49	3.23	0.52	0.73	3.34	0.49	3.13	0.45	2.92
95.0	2.68	0.56	2.68	0.49	2.78	0.52	0.70	2.88	0.49	2.74	0.49	2.61
100.0	2.43	0.59	2.43	0.56	2.50	0.52	0.77	2.57	0.56	2.47	0.56	2.36
105.0	2.29	0.66	2.22	0.63	2.29	0.56	0.84	2.36	0.63	2.29	0.63	2.22
110.0	2.15	0.73	2.12	0.70	2.15	0.66	0.91	2.22	0.70	2.19	0.70	2.12
115.0	2.08	0.80	2.01	0.77	2.01	0.70	0.97	2.12	0.80	2.05	0.77	2.01
120.0	2.01	0.87	1.94	0.84	1.94	0.77	1.04	2.08	0.84	1.98	0.80	1.98
125.0	1.94	0.94	1.91	0.91	1.91	0.84	1.11	1.98	0.87	1.94	0.91	1.91
130.0	1.91	1.00	1.84	0.97	1.87	0.91	1.21	1.91	0.94	1.91	0.94	1.87
135.0	1.87	1.04	1.84	1.04	1.84	0.97	1.28	1.87	1.00	1.87	1.00	1.84
140.0	1.87	1.11	1.81	1.07	1.81	1.04	1.32	1.87	1.04	1.84	1.04	1.81
145.0	1.84	1.14	1.77	1.11	1.77	1.07	1.39	1.84	1.11	1.81	1.11	1.77
150.0	1.81	1.21	1.77	1.18	1.77	1.11	1.42	1.81	1.14	1.81	1.14	1.77
155.0	1.81	1.25	1.74	1.21	1.74	1.18	1.49	1.81	1.18	1.77	1.18	1.74
160.0	1.77	1.28	1.74	1.25	1.70	1.21	1.53	1.77	1.21	1.77	1.21	1.74
165.0	1.77	1.32	1.70	1.28	1.70	1.25	1.56	1.77	1.25	1.74	1.25	1.70
170.0	1.77	1.35	1.70	1.32	1.70	1.28	1.60	1.74	1.28	1.74	1.28	1.70
175.0	1.63	1.70	1.32	1.42	1.67	1.32	1.63	1.70	1.32	1.70	1.32	1.67
180.0	1.67	1.70	1.32	1.67	1.32	1.63	1.67	1.70	1.32	1.67	1.32	1.63

**Test System:HOPOO HPG1800**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024/01/22**

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