

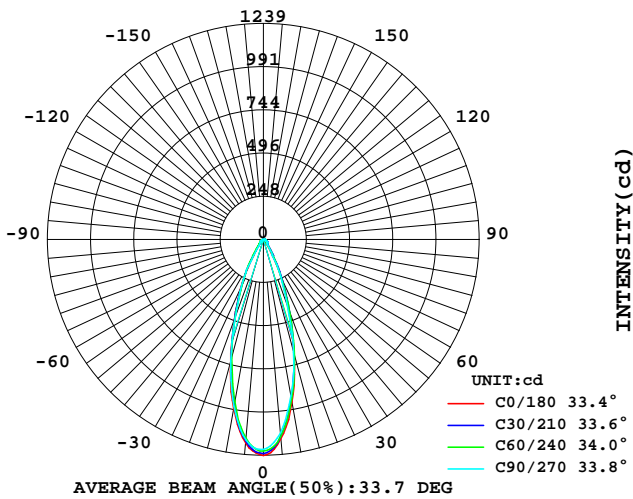
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

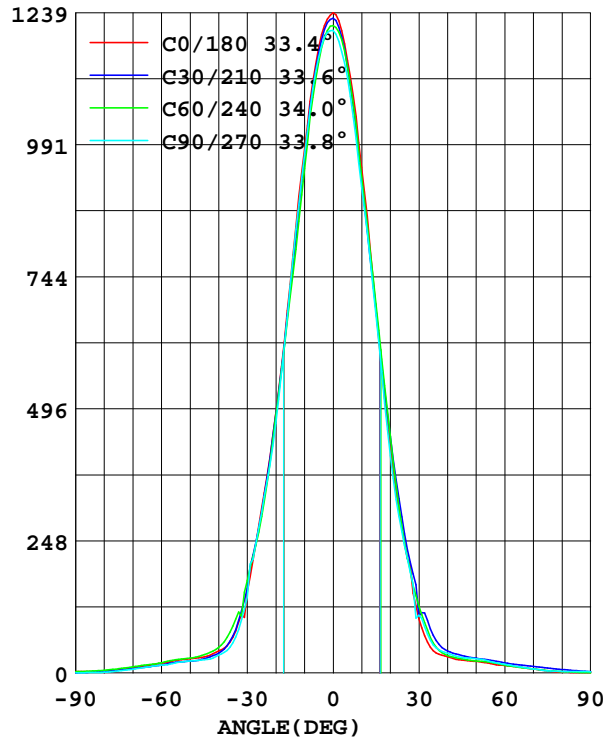
MANUFACTURER:			
Address:			
NAME: JXL-COB02-S09W-5CCT-2SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	1239	S/MH(C0/180)	0.57
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.57
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	548.6	Voltage(V)	120.5
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	61.2	Current(A)	0.076
NOMINAL FLUX(lm)	548.6	h up(%)	1.7	Power(W)	8.960
LAMPS QUANTITY	1	h down(%)	98.3	Power Factor(PF)	0.967
TEST VOLTAGE(V)	120.6	Effective Flux(lm)	548.6	EET	0.189

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



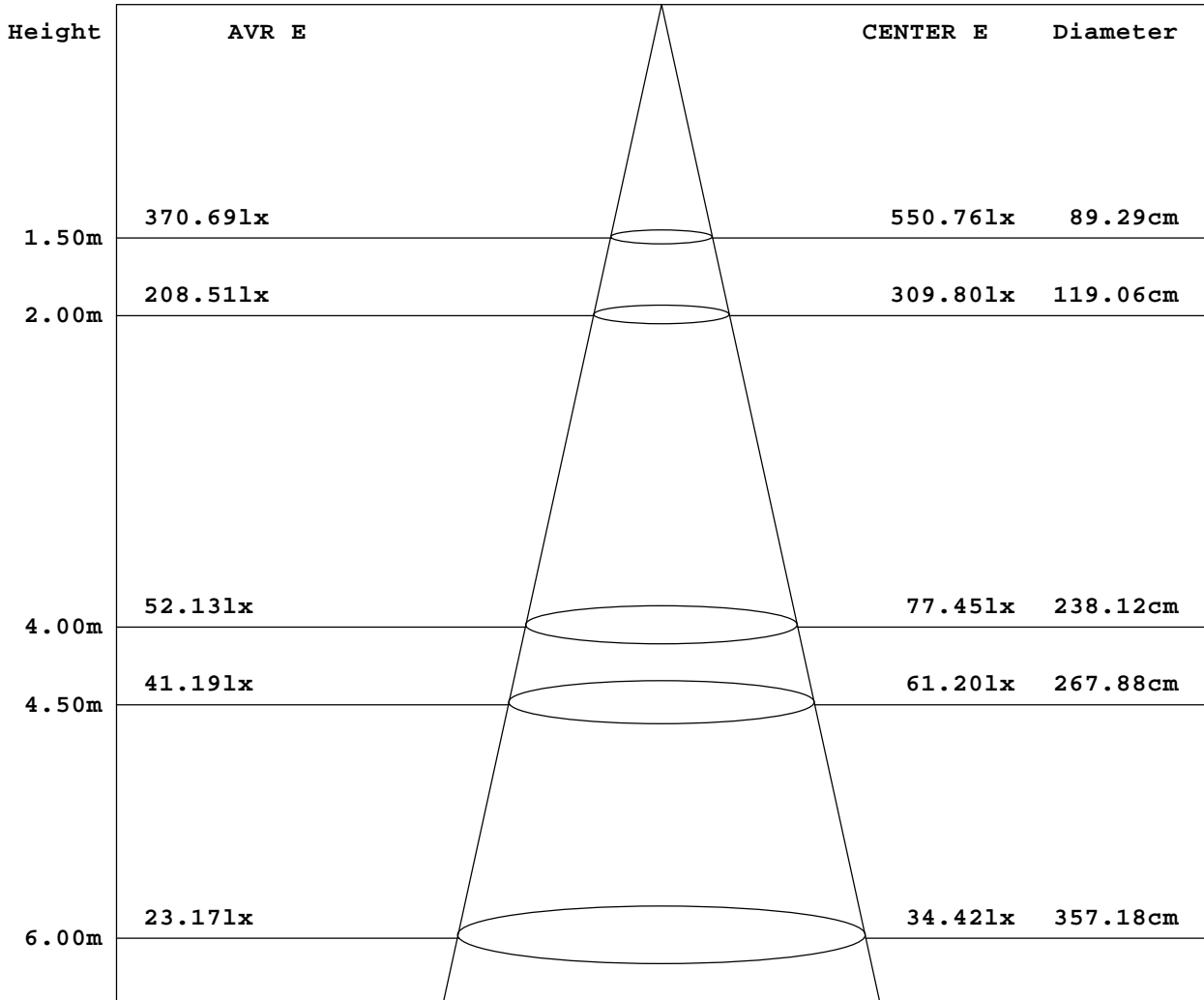
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:



Angle: 33.2deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 2700	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tBtal
5.0	1173	1154	1156	1140	1149	1137	1118	1139	0- 5	28.24	28.24
10.0	983.2	957.5	972.7	951.0	948.6	929.8	912.7	955.6	5- 10	74.74	102.9
15.0	729.3	713.0	726.2	709.2	682.5	686.9	671.5	720.8	10- 15	97.58	200.5
20.0	486.6	484.2	468.4	481.4	422.8	444.0	407.5	493.8	15- 20	95.11	295.6
25.0	309.8	298.1	301.0	309.5	243.4	253.7	239.5	311.1	20- 25	76.99	372.6
30.0	152.2	166.0	142.3	177.7	101.9	116.3	108.3	180.5	25- 30	54.81	427.4
35.0	67.04	78.79	56.56	84.86	41.84	63.19	52.66	88.59	30- 35	30.60	458.0
40.0	41.00	42.31	33.34	43.00	30.52	36.95	36.82	43.42	35- 40	17.20	475.3
45.0	30.35	30.59	24.71	30.73	24.05	29.67	29.41	31.67	40- 45	12.52	487.8
50.0	26.94	25.16	22.41	24.97	21.75	25.20	26.80	24.92	45- 50	10.81	498.6
55.0	23.46	22.38	19.07	21.70	17.61	21.91	21.51	22.03	50- 55	10.13	508.7
60.0	18.31	16.95	14.75	16.49	14.06	16.98	16.36	17.40	55- 60	8.786	517.5
65.0	13.78	13.38	11.13	13.21	10.93	13.12	11.69	13.28	60- 65	7.093	524.6
70.0	9.398	9.729	7.170	9.833	7.310	9.938	7.484	9.920	65- 70	5.556	530.2
75.0	5.534	6.474	3.724	6.666	4.003	7.049	4.142	6.979	70- 75	3.929	534.1
80.0	3.202	4.003	1.322	4.212	1.670	4.594	2.889	4.629	75- 80	2.526	536.6
85.0	2.749	2.384	0.731	2.506	0.940	2.802	2.575	2.871	80- 85	1.606	538.2
90.0	2.506	1.514	0.522	1.531	0.905	1.601	2.367	1.601	85- 90	1.036	539.3
95.0	2.332	1.409	0.522	1.409	0.905	1.496	2.227	1.462	90- 95	0.828	540.1
100.0	2.193	1.340	0.522	1.340	0.905	1.392	2.088	1.374	95-100	0.773	540.9
105.0	2.053	1.305	0.557	1.270	0.940	1.340	1.949	1.322	100-105	0.727	541.6
110.0	1.949	1.253	0.592	1.235	0.975	1.287	1.844	1.270	105-110	0.683	542.3
115.0	1.844	1.218	0.592	1.200	0.975	1.235	1.740	1.218	110-115	0.639	542.9
120.0	1.775	1.183	0.627	1.183	1.009	1.200	1.670	1.183	115-120	0.597	543.5
125.0	1.705	1.183	0.661	1.166	1.044	1.183	1.601	1.166	120-125	0.556	544.1
130.0	1.670	1.183	0.731	1.183	1.079	1.200	1.531	1.166	125-130	0.521	544.6
135.0	1.670	1.218	0.801	1.235	1.218	1.218	1.566	1.218	130-135	0.495	545.1
140.0	1.705	1.322	0.940	1.340	1.357	1.322	1.636	1.322	135-140	0.481	545.6
145.0	1.844	1.479	1.148	1.514	1.601	1.496	1.775	1.496	140-145	0.480	546.0
150.0	2.088	1.723	1.462	1.740	1.914	1.740	1.984	1.723	145-150	0.486	546.5
155.0	2.332	2.018	1.775	2.036	2.262	2.036	2.262	2.018	150-155	0.486	547.0
160.0	2.645	2.367	2.123	2.349	2.645	2.367	2.575	2.349	155-160	0.468	547.5
165.0	2.958	2.680	2.436	2.662	3.028	2.715	2.889	2.645	160-165	0.422	547.9
170.0	3.202	2.941	2.749	2.906	3.306	2.976	3.132	2.924	165-170	0.339	548.2
175.0	3.411	3.132	2.958	3.219	3.515	3.132	3.306	3.063	170-175	0.220	548.5
180.0	3.620	3.185	3.306	3.115	3.620	3.185	3.306	3.115	175-180	0.077	548.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

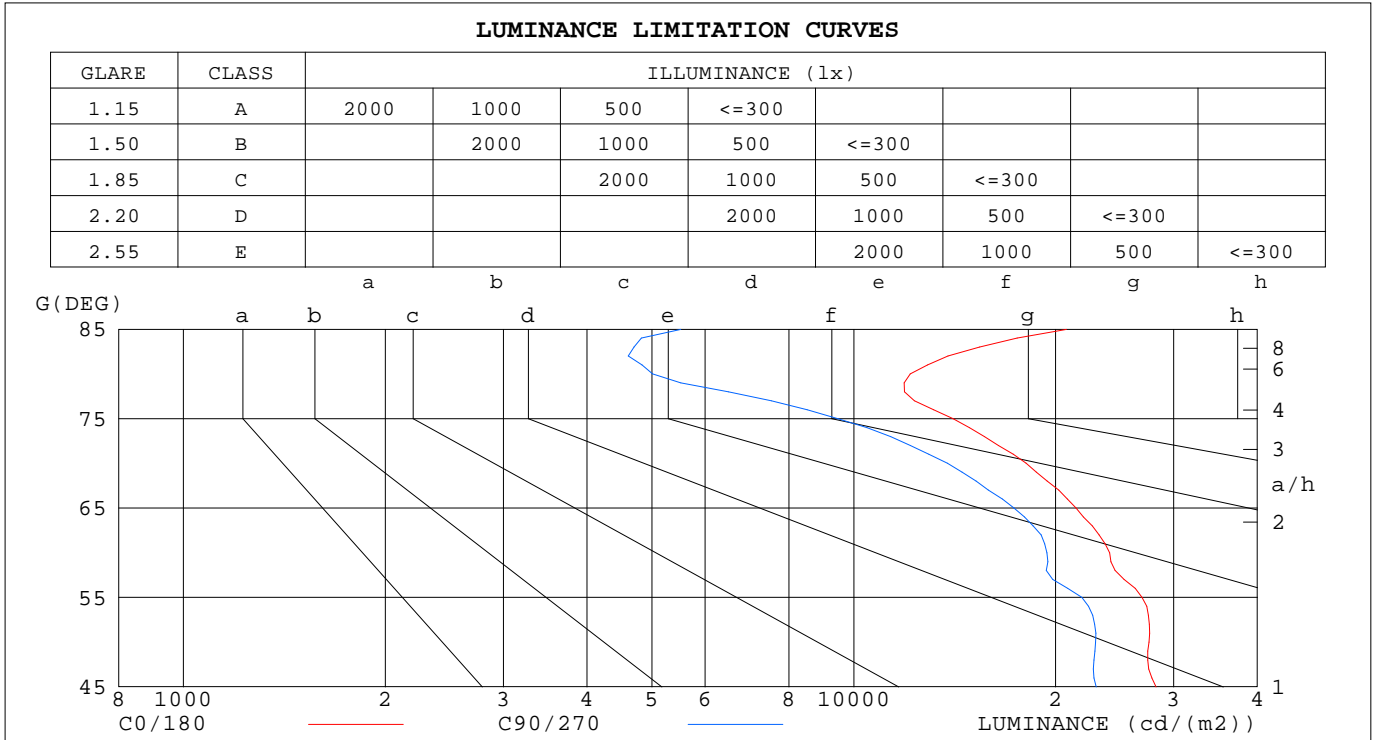
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 2700</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	20758	5518
80	12133	5012
75	14069	9468
70	18079	13794
65	21459	17341
60	24092	19420
55	26911	21880
50	27576	22945
45	28242	22995

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/18

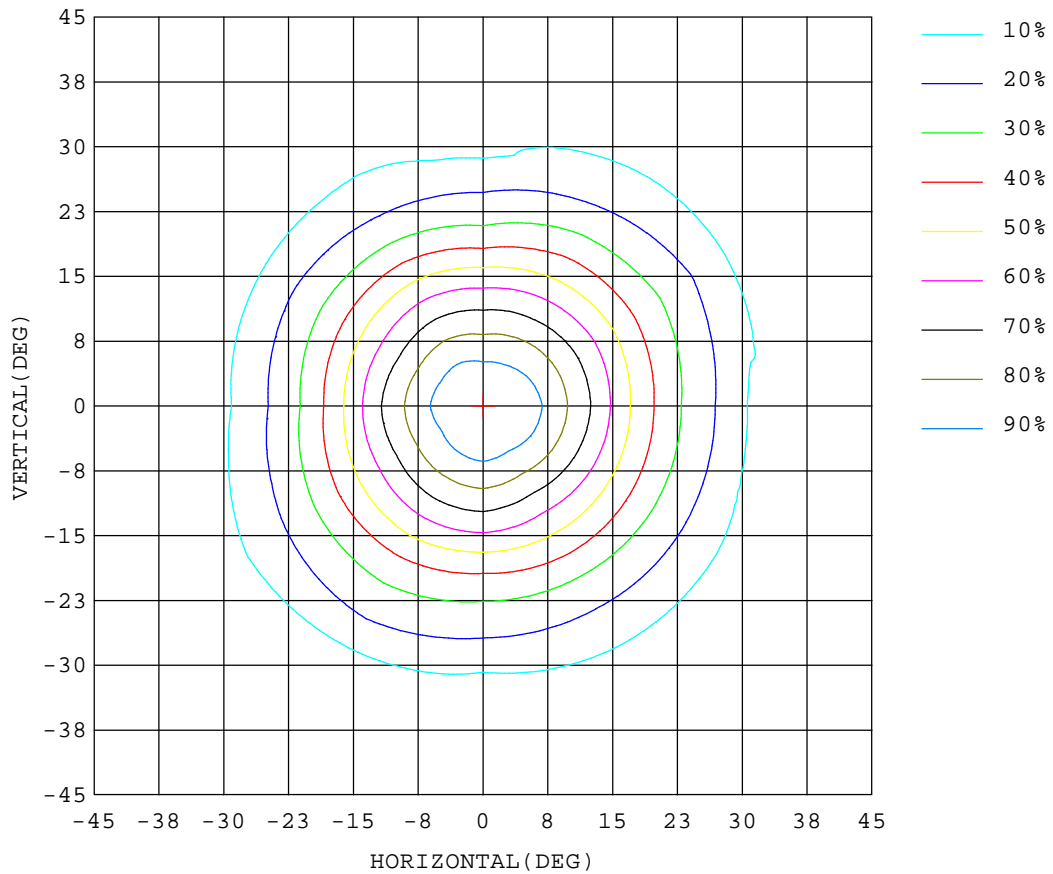
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB02-S09W-5CCT-2SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 2700	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



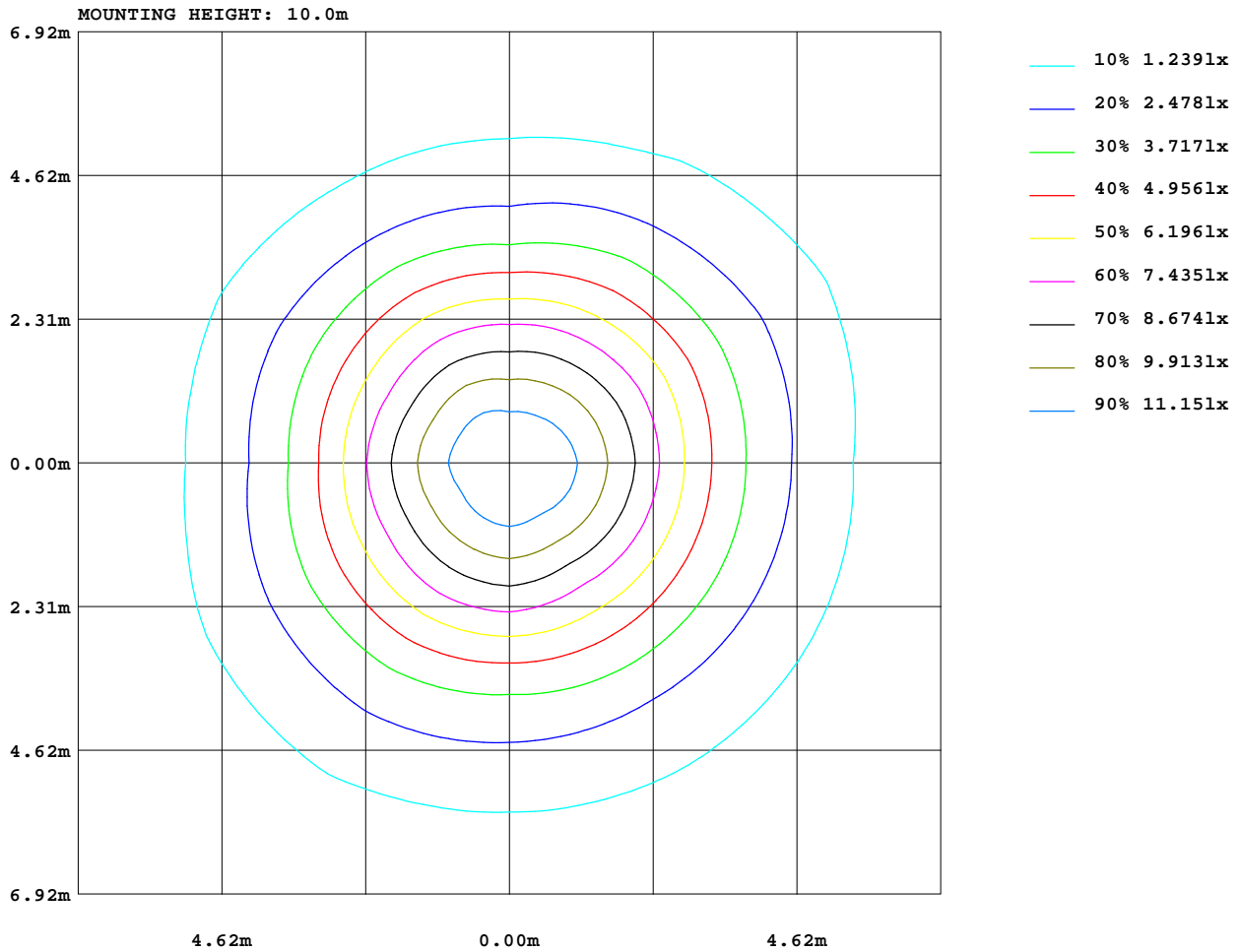
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/18

**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-COB02-S09W-5CCT-2SR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 2700</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/18

**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-COB02-S09W-5CCT-2SR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 2700</b>		<b>DIMENSION:</b>
			<b>SERIAL No.:</b>

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		$\Phi t$	$\Phi a$
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45		
45	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.23	0.25	0.25	0.24	0.22	0.20	0.18	0.16	0.15	0.14	0.12	3.31	3.31	
40	0.14	0.15	0.17	0.19	0.21	0.23	0.27	0.30	0.32	0.33	0.33	0.30	0.26	0.23	0.20	0.17	0.15	0.14	4.11	4.11	
35	0.15	0.17	0.20	0.23	0.27	0.35	0.46	0.56	0.61	0.64	0.64	0.56	0.44	0.33	0.26	0.22	0.18	0.15	6.42	6.42	
30	0.16	0.19	0.24	0.30	0.45	0.68	0.93	1.15	1.27	1.33	1.30	1.15	0.89	0.60	0.39	0.27	0.21	0.16	11.6	11.6	
25	0.16	0.21	0.29	0.47	0.77	1.21	1.71	2.15	2.38	2.45	2.37	2.02	1.57	1.06	0.64	0.37	0.24	0.17	20.3	20.3	
20	0.16	0.22	0.36	0.68	1.21	1.95	2.83	3.64	4.05	4.11	3.84	3.19	2.39	1.68	0.97	0.51	0.27	0.19	32.3	32.3	
15	0.16	0.23	0.43	0.87	1.72	2.80	4.11	5.35	5.99	6.02	5.47	4.44	3.25	2.21	1.28	0.60	0.30	0.19	45.4	45.4	
10	0.16	0.23	0.46	1.06	2.09	3.50	5.21	6.77	7.69	7.69	6.96	5.59	3.95	2.57	1.47	0.66	0.32	0.20	56.6	56.6	
5	0.16	0.22	0.45	1.16	2.27	3.90	5.93	7.73	8.85	8.85	7.96	6.27	4.33	2.74	1.56	0.66	0.32	0.20	63.6	63.6	
0	0.15	0.22	0.46	1.20	2.32	3.95	5.97	7.76	8.87	8.97	7.99	6.24	4.29	2.70	1.52	0.64	0.30	0.19	63.8	63.8	
-5	0.15	0.23	0.48	1.17	2.22	3.65	5.32	6.92	7.94	7.92	6.96	5.48	3.83	2.44	1.36	0.59	0.28	0.19	57.2	57.2	
-10	0.15	0.22	0.45	1.03	1.93	3.06	4.35	5.59	6.34	6.28	5.48	4.36	3.10	2.01	1.09	0.49	0.25	0.17	46.4	46.4	
-15	0.15	0.21	0.37	0.80	1.52	2.34	3.23	4.01	4.44	4.41	3.93	3.14	2.27	1.50	0.77	0.37	0.22	0.16	33.8	33.8	
-20	0.14	0.19	0.28	0.55	1.00	1.66	2.27	2.68	2.87	2.83	2.55	2.07	1.54	0.95	0.51	0.28	0.19	0.14	22.7	22.7	
-25	0.13	0.17	0.23	0.36	0.61	0.94	1.35	1.64	1.76	1.72	1.54	1.24	0.89	0.58	0.35	0.23	0.16	0.13	14.0	14.0	
-30	0.12	0.15	0.20	0.26	0.37	0.55	0.66	0.72	0.74	0.73	0.70	0.64	0.52	0.36	0.26	0.19	0.15	0.12	7.44	7.44	
-35	0.11	0.14	0.17	0.21	0.27	0.32	0.35	0.36	0.34	0.34	0.36	0.35	0.32	0.27	0.21	0.17	0.14	0.12	4.55	4.55	
-40	0.10	0.13	0.16	0.18	0.21	0.23	0.24	0.24	0.22	0.22	0.24	0.24	0.24	0.22	0.18	0.16	0.13	0.11	3.44	3.44	
-45	0.10	0.13	0.16	0.18	0.21	0.23	0.24	0.24	0.22	0.22	0.24	0.24	0.24	0.22	0.18	0.16	0.13	0.11	3.44	3.44	
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL( DEG)	10	15	20	25	30	35	40	45				
$\Phi t$	2.56	3.43	5.54	10.9	19.6	31.5	45.4	57.8	64.9	65.1	58.9	47.5	34.3	22.6	13.2	6.73	3.96	2.84	549		
$\Phi a$	2.56	3.43	5.54	10.9	19.6	31.5	45.4	57.8	64.9	65.1	58.9	47.5	34.3	22.6	13.2	6.73	3.96	2.84		549	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

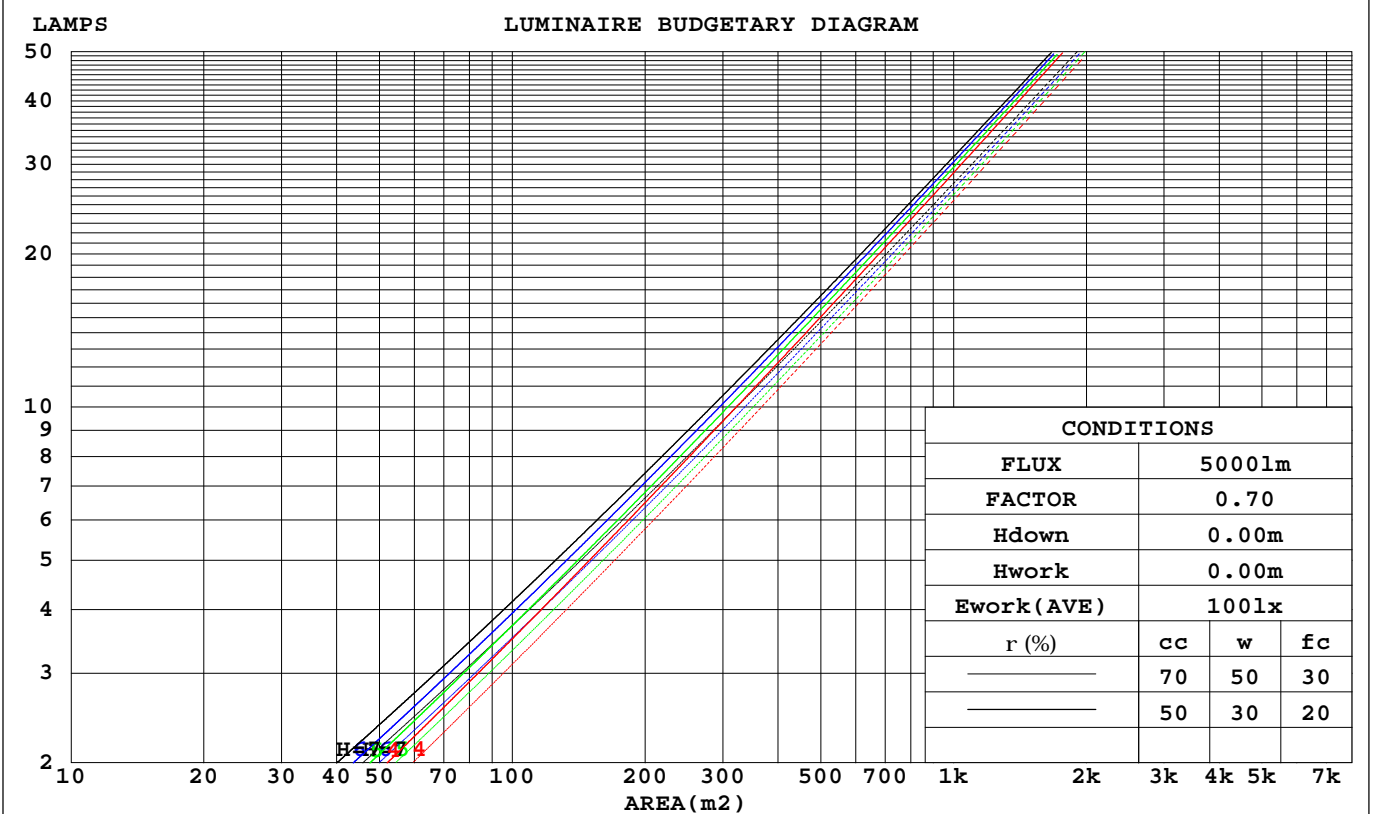
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB02-S09W-5CCT-2SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 2700		<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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.10	1.08	1.05	1.08	1.06	1.03	1.03	1.02	.90	.99	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.92	.94	.92	.90	.91	.89	.87	.86
3.0	.96	.91	.87	.95	.90	.87	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.90	.85	.81	.89	.84	.81	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.80	.76	.84	.79	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.79	.74	.71	.77	.73	.70	.76	.72	.69	.68
7.0	.77	.72	.68	.76	.71	.67	.75	.70	.67	.74	.70	.66	.72	.69	.66	.65
8.0	.74	.68	.64	.73	.68	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.62
9.0	.70	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59
10.0	.67	.62	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.58	.57



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 2700	<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	.182	.104	.033	.175	.100	.032	.162	.093	.030	.149	.086	.028	.138	.080	.026	
2.0	.171	.094	.029	.165	.091	.028	.153	.085	.026	.143	.080	.025	.133	.075	.024	
3.0	.160	.085	.025	.155	.083	.025	.145	.078	.024	.136	.074	.023	.127	.070	.022	
4.0	.150	.078	.023	.145	.076	.022	.137	.073	.022	.129	.069	.021	.122	.066	.020	
5.0	.141	.072	.021	.137	.070	.020	.130	.067	.020	.123	.065	.019	.116	.062	.019	
6.0	.133	.067	.019	.130	.065	.019	.123	.063	.018	.117	.061	.018	.111	.059	.017	
7.0	.126	.062	.018	.123	.061	.017	.117	.059	.017	.112	.057	.017	.107	.055	.016	
8.0	.120	.058	.016	.117	.058	.016	.112	.056	.016	.107	.054	.016	.102	.053	.015	
9.0	.114	.055	.015	.112	.054	.015	.107	.053	.015	.103	.051	.015	.098	.050	.014	
10.0	.109	.052	.014	.107	.051	.014	.102	.050	.014	.098	.049	.014	.095	.048	.014	

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	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.184	.170	.157	.158	.146	.135	.108	.101	.094	.062	.058	.054	.020	.019	.018	
2.0	.169	.146	.126	.145	.125	.109	.099	.087	.076	.057	.050	.044	.018	.016	.014	
3.0	.156	.127	.103	.134	.109	.089	.092	.076	.063	.053	.044	.037	.017	.014	.012	
4.0	.146	.112	.086	.125	.097	.075	.086	.067	.053	.050	.039	.031	.016	.013	.010	
5.0	.136	.100	.074	.117	.087	.064	.081	.061	.045	.047	.036	.027	.015	.012	.009	
6.0	.128	.091	.064	.110	.079	.056	.076	.055	.039	.044	.032	.023	.014	.011	.008	
7.0	.121	.083	.056	.104	.072	.049	.072	.051	.035	.042	.030	.021	.014	.010	.007	
8.0	.115	.077	.050	.099	.067	.044	.069	.047	.031	.040	.028	.019	.013	.009	.006	
9.0	.110	.071	.046	.094	.062	.040	.065	.044	.028	.038	.026	.017	.012	.008	.006	
10.0	.105	.067	.042	.090	.058	.036	.063	.041	.026	.037	.024	.015	.012	.008	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 2700			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	19.2	20.1	19.5	20.3	20.5	19.5	20.4	19.8	20.6	20.8
3H	20.2	21.0	20.4	21.2	21.4	20.4	21.2	20.6	21.4	21.6
4H	20.5	21.2	20.8	21.5	21.7	20.6	21.4	20.9	21.6	21.9
6H	20.6	21.4	20.9	21.6	21.9	20.6	21.4	21.0	21.6	21.9
8H	20.7	21.4	21.0	21.7	22.0	20.6	21.3	21.0	21.6	21.9
12H	20.9	21.5	21.2	21.8	22.1	20.6	21.3	21.0	21.6	21.9
4H 2H	19.7	20.4	20.0	20.7	20.9	19.9	20.7	20.2	21.0	21.2
3H	20.7	21.4	21.1	21.7	22.0	21.1	21.8	21.4	22.1	22.4
4H	21.1	21.7	21.4	22.0	22.4	21.5	22.1	21.9	22.4	22.8
6H	21.3	21.9	21.7	22.2	22.6	21.7	22.2	22.1	22.6	22.9
8H	21.4	21.9	21.9	22.3	22.7	21.7	22.2	22.1	22.6	23.0
12H	21.6	22.1	22.1	22.5	22.9	21.7	22.2	22.1	22.6	23.0
8H 4H	21.3	21.8	21.7	22.2	22.6	21.6	22.2	22.1	22.5	22.9
6H	21.6	22.0	22.0	22.4	22.9	22.0	22.5	22.5	22.9	23.3
8H	21.8	22.1	22.2	22.6	23.1	22.2	22.6	22.7	23.0	23.5
12H	22.0	22.4	22.5	22.8	23.3	22.3	22.6	22.8	23.1	23.6
12H 4H	21.3	21.7	21.7	22.1	22.6	21.6	22.1	22.1	22.5	22.9
6H	21.6	22.0	22.1	22.5	22.9	22.1	22.4	22.5	22.9	23.4
8H	21.8	22.2	22.3	22.6	23.1	22.3	22.6	22.8	23.1	23.6
Variations with the observer position at spacings:										
s = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.4 / - 0.3					+ 0.5 / - 0.7				
2.0H	+ 0.6 / - 0.7					+ 0.4 / - 0.8				

CIE Pub.117 Corrected 548.5 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.1)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 2700	<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	83	76	72	83	76	72	82	76	72	68	
0.80	91	84	80	90	84	80	89	83	80	75	
1.00	96	89	85	95	89	85	93	89	84	80	
1.25	100	94	90	99	93	90	97	92	89	84	
1.50	103	98	94	102	97	93	99	95	92	87	
2.00	106	101	98	105	100	97	102	98	95	89	
2.50	108	104	100	106	102	99	103	100	97	91	
3.00	110	106	103	108	104	102	104	102	99	92	
4.00	112	109	106	110	107	105	106	104	102	94	
5.00	114	111	109	111	109	107	107	105	104	96	
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>	
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

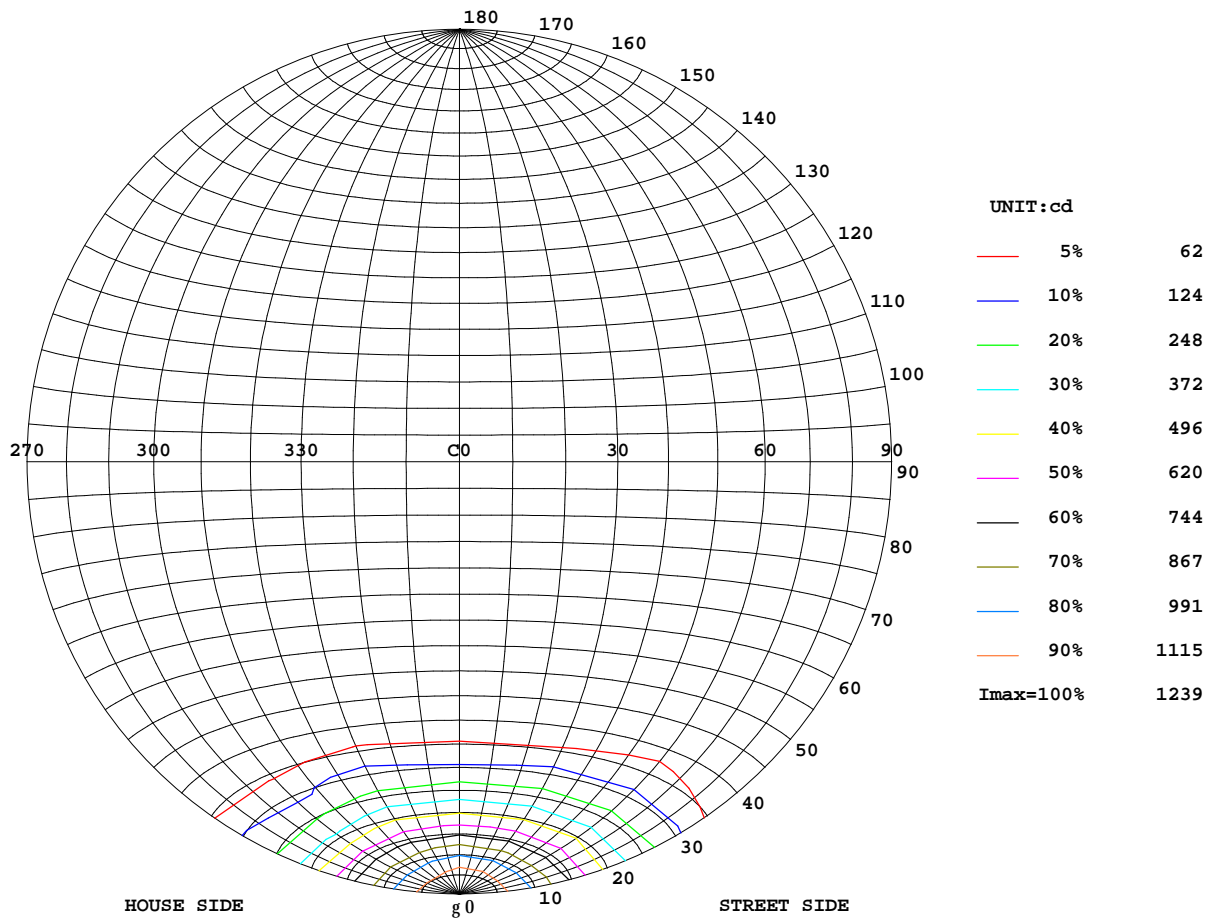
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 2700	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

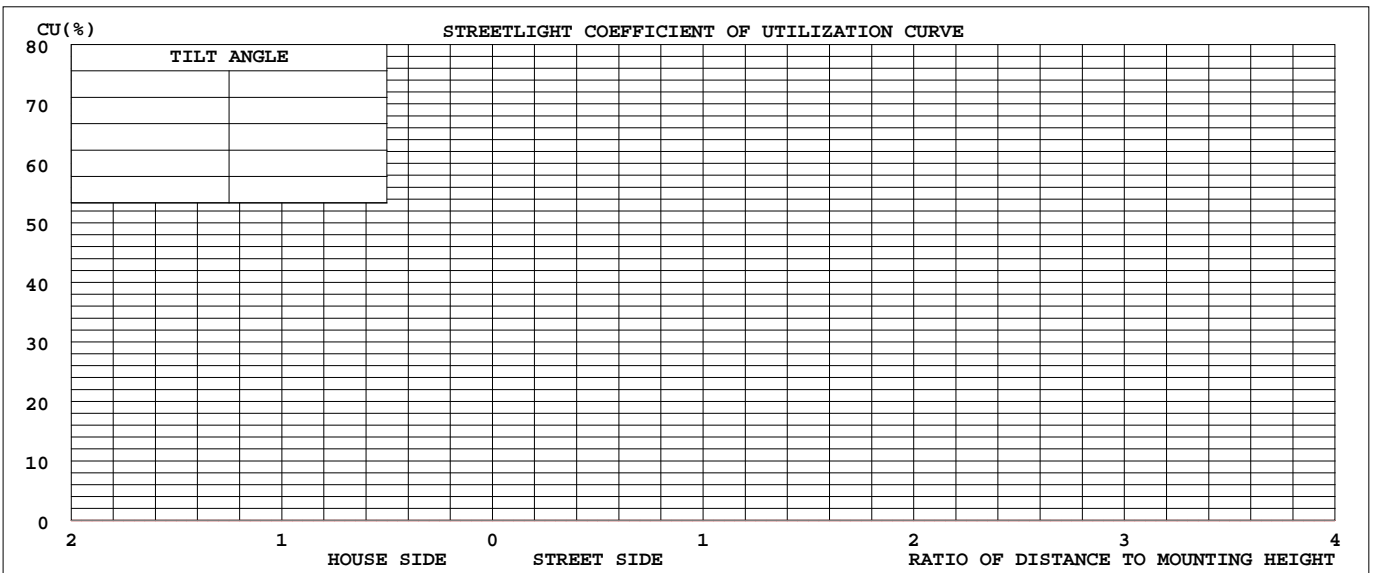
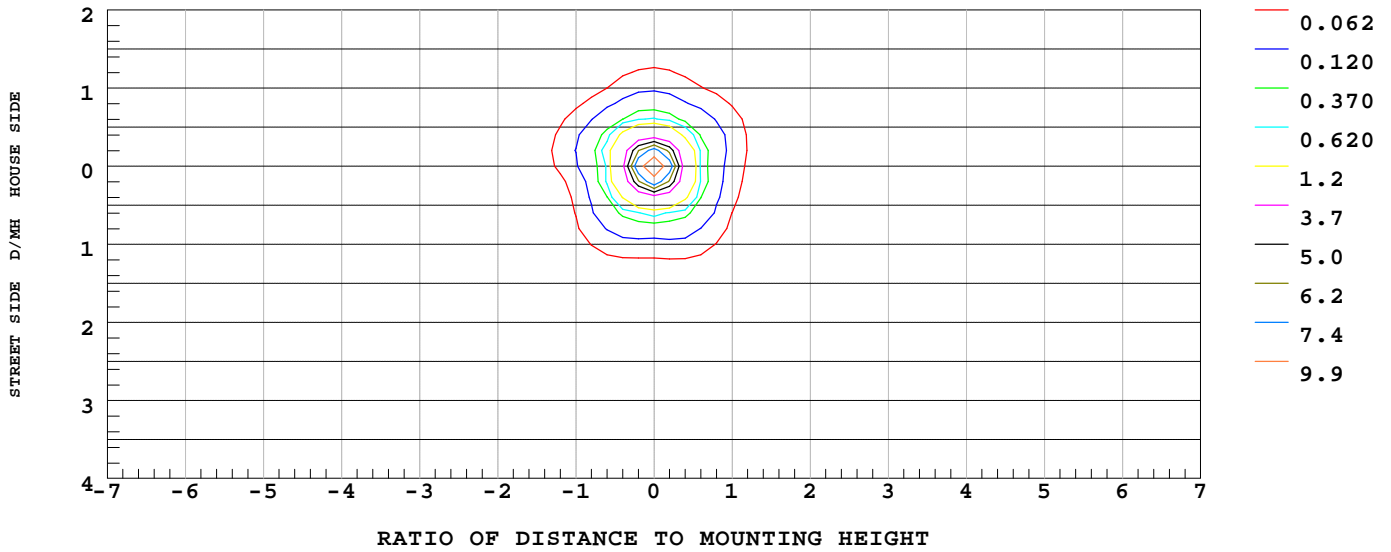
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-S09W-5CCT-2SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 12.39 lx



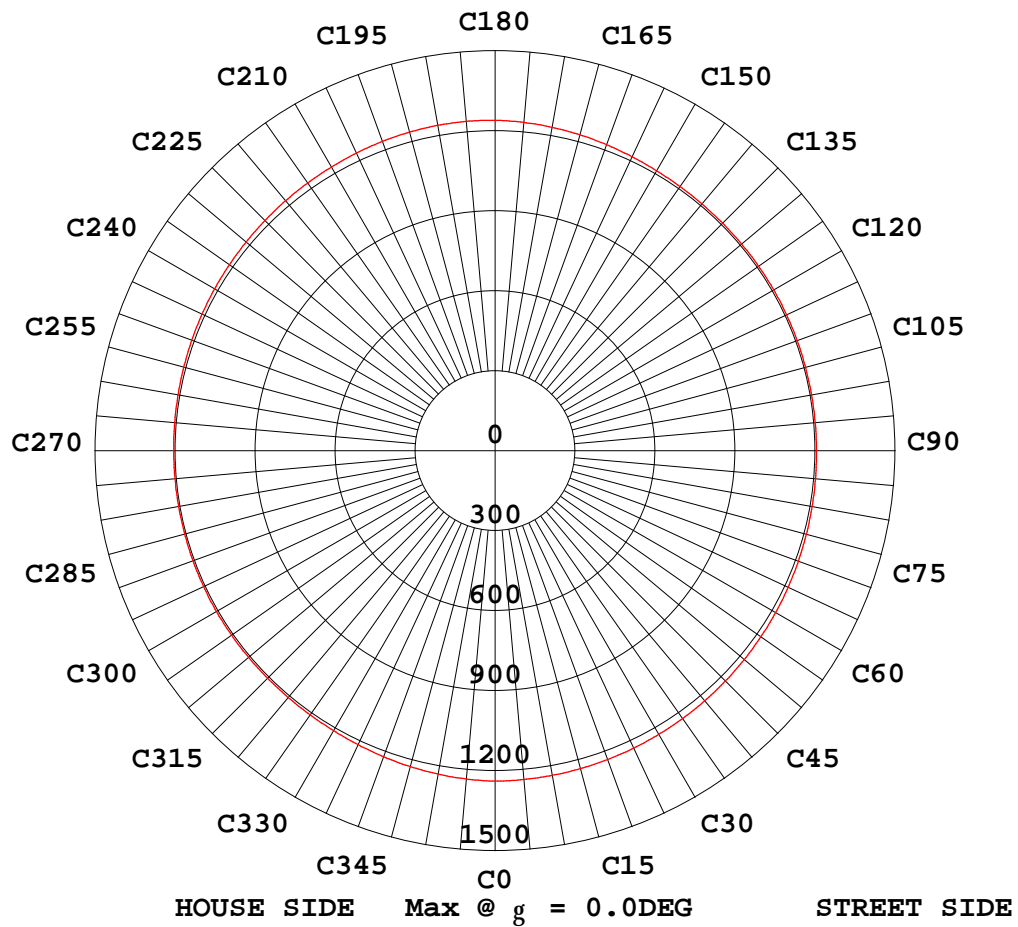
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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-COB02-S09W-5CCT-2SR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 2700</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	1239	1229	1215	1206	1207	1212	1239	1229	1215	1206	1207	1212
5.0	1173	1163	1146	1156	1146	1133	1149	1137	1137	1118	1128	1150
10.0	983	969	946	973	961	942	949	927	933	913	943	968
15.0	729	719	707	726	723	696	683	681	693	672	704	737
20.0	487	486	483	468	489	474	423	444	444	408	482	506
25.0	310	303	294	301	324	296	243	262	245	240	288	334
30.0	152	159	173	142	192	163	102	107	126	108	157	204
35.0	67.0	69.3	88.2	56.5	94.6	75.0	41.8	70.4	55.9	52.6	74.5	103
40.0	41.0	36.9	47.6	33.3	48.5	37.4	30.5	41.1	32.7	36.8	37.0	49.7
45.0	30.3	26.7	34.4	24.7	33.3	28.0	24.0	32.8	26.4	29.4	27.9	35.4
50.0	26.9	22.2	28.0	22.4	28.0	21.8	21.7	27.6	22.7	26.8	22.2	27.6
55.0	23.4	19.8	24.9	19.0	24.8	18.5	17.6	23.9	19.8	21.5	19.7	24.3
60.0	18.3	14.7	19.1	14.7	19.3	13.6	14.0	19.1	14.8	16.3	14.9	19.8
65.0	13.7	11.2	15.4	11.1	15.5	10.8	10.9	15.5	10.7	11.6	11.2	15.3
70.0	9.39	7.90	11.5	7.17	11.9	7.69	7.31	12.4	7.41	7.48	8.14	11.6
75.0	5.53	5.04	7.90	3.72	8.80	4.52	4.00	9.43	4.66	4.14	5.49	8.45
80.0	3.20	2.88	5.11	1.32	6.12	2.29	1.67	6.57	2.61	2.88	3.37	5.88
85.0	2.74	1.39	3.37	0.73	4.00	1.00	0.94	4.28	1.32	2.57	1.70	4.03
90.0	2.50	0.56	2.47	0.52	2.54	0.52	0.91	2.61	0.59	2.36	0.56	2.64
95.0	2.33	0.56	2.26	0.52	2.29	0.52	0.91	2.40	0.59	2.22	0.56	2.36
100.0	2.19	0.59	2.08	0.52	2.12	0.56	0.91	2.19	0.59	2.08	0.56	2.19
105.0	2.05	0.63	1.98	0.56	1.98	0.56	0.94	2.05	0.63	1.94	0.59	2.05
110.0	1.94	0.63	1.87	0.59	1.87	0.59	0.97	1.94	0.63	1.84	0.59	1.94
115.0	1.84	0.66	1.77	0.59	1.77	0.63	0.97	1.84	0.63	1.74	0.63	1.81
120.0	1.77	0.70	1.67	0.63	1.70	0.66	1.00	1.74	0.66	1.67	0.63	1.74
125.0	1.70	0.73	1.63	0.66	1.63	0.70	1.04	1.67	0.70	1.60	0.66	1.67
130.0	1.67	0.80	1.56	0.73	1.60	0.77	1.07	1.63	0.77	1.53	0.70	1.63
135.0	1.67	0.87	1.56	0.80	1.60	0.87	1.21	1.60	0.84	1.56	0.80	1.63
140.0	1.70	1.00	1.63	0.94	1.67	1.00	1.35	1.67	0.97	1.63	0.97	1.67
145.0	1.84	1.21	1.74	1.14	1.77	1.25	1.60	1.81	1.18	1.77	1.18	1.81
150.0	2.08	1.49	1.94	1.46	1.98	1.49	1.91	2.01	1.46	1.98	1.46	1.98
155.0	2.33	1.81	2.22	1.77	2.22	1.84	2.26	2.29	1.77	2.26	1.77	2.26
160.0	2.64	2.19	2.54	2.12	2.50	2.19	2.64	2.61	2.12	2.57	2.15	2.54
165.0	2.95	2.54	2.81	2.43	2.78	2.54	3.02	2.92	2.50	2.88	2.47	2.81
170.0	3.20	2.81	3.06	2.74	3.02	2.78	3.30	3.16	2.78	3.13	2.74	3.09
175.0	3.41	3.02	3.23	2.95	3.20	3.23	3.51	3.30	2.95	3.30	2.88	3.23
180.0	3.62	3.34	3.02	3.30	2.92	3.30	3.62	3.34	3.02	3.30	2.92	3.30

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/18

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