

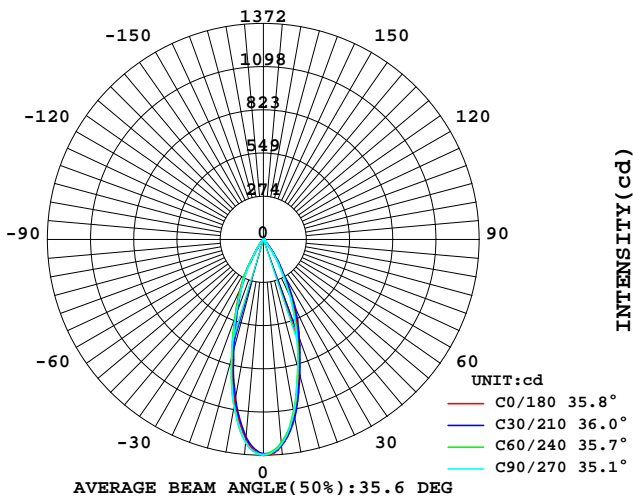
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

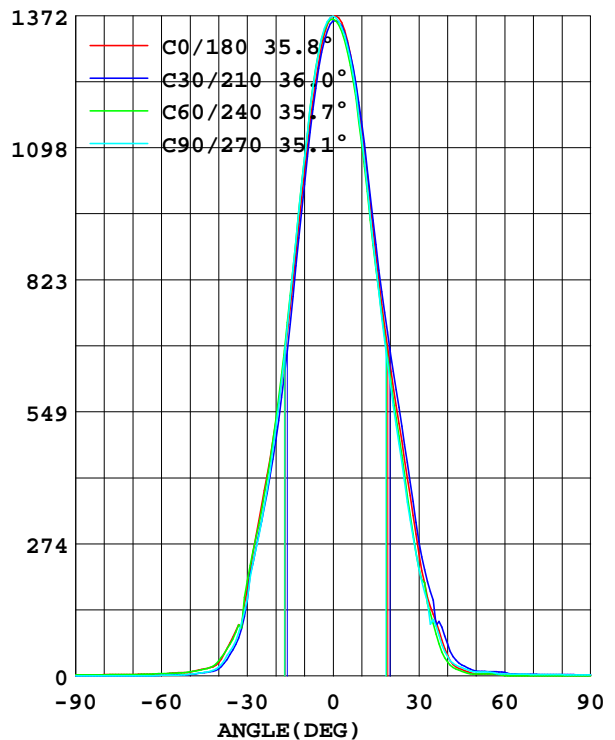
MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	1374	S/MH(C0/180)	0.54
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.55
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	606.8	Voltage(V)	121.0
RATED VOLTAGE(V)	122	EFFICIENCY(lm/W)	72.0	Current(A)	0.071
NOMINAL FLUX(lm)	606.8	h up(%)	1.5	Power(W)	8.430
LAMPS QUANTITY	1	h down(%)	98.5	Power Factor(PF)	0.971
TEST VOLTAGE(V)	121.0	Effective Flux(lm)	606.8	EEL	0.164

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



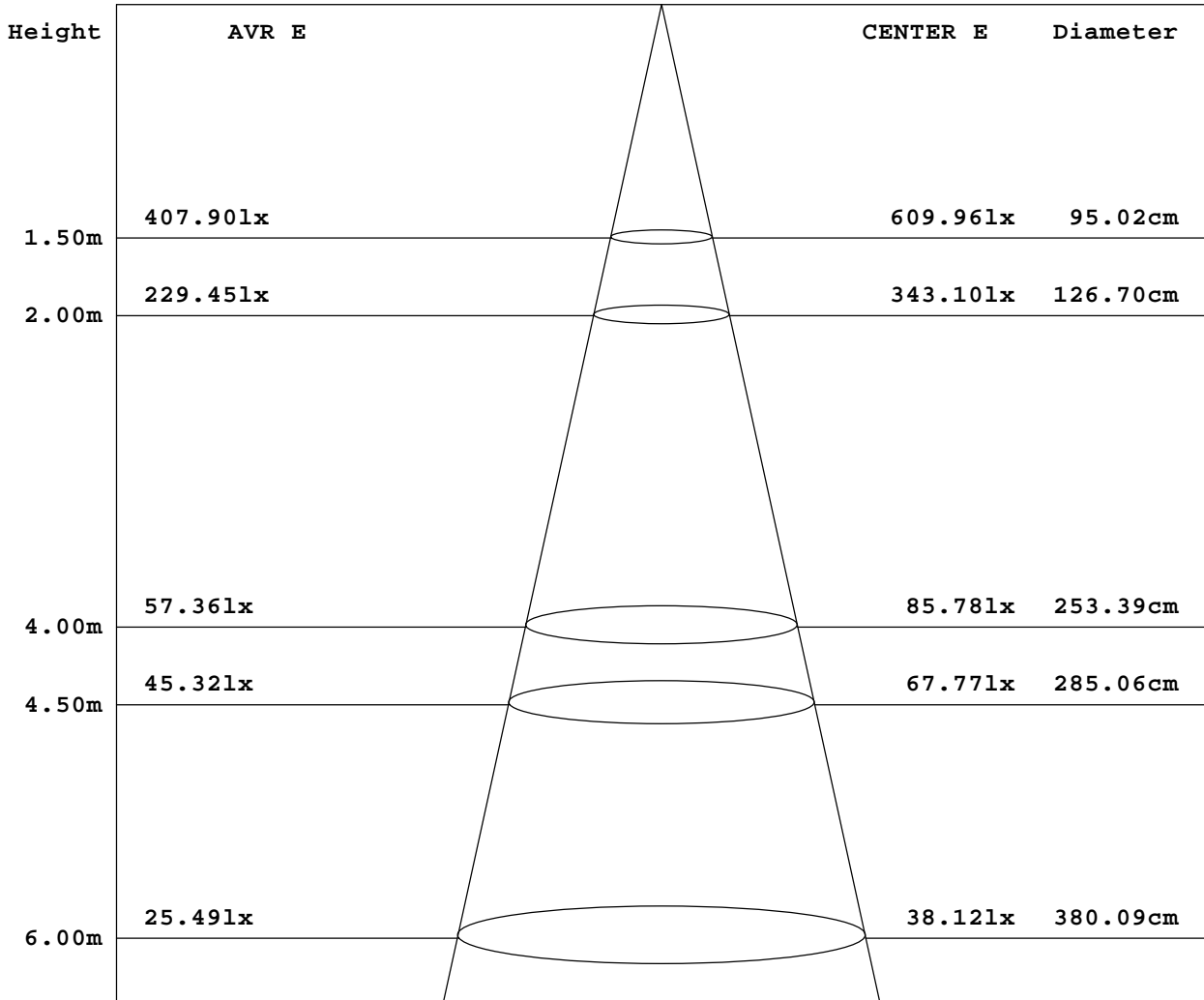
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Angle: 35.1deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/01/16

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-COB02-R09W-5CCT-BK-2RR-SM-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tBtal
5.0	1274	1280	1296	1306	1320	1306	1308	1298	0- 5	31.91	31.91
10.0	1047	1050	1078	1097	1137	1130	1121	1096	5- 10	85.43	117.3
15.0	764.1	760.8	785.1	814.1	874.6	871.3	849.3	815.2	10- 15	112.5	229.9
20.0	526.9	510.5	514.4	560.3	644.0	646.0	608.4	563.0	15- 20	112.5	342.4
25.0	355.4	333.5	322.2	370.0	449.8	450.8	405.1	369.9	20- 25	98.43	440.9
30.0	180.3	177.3	159.3	200.6	255.0	252.1	223.0	198.3	25- 30	73.95	514.8
35.0	80.82	65.42	60.91	94.07	128.0	133.0	117.4	89.98	30- 35	40.81	555.6
40.0	27.18	22.41	18.31	32.09	43.16	47.28	39.92	28.33	35- 40	20.30	575.9
45.0	14.68	10.59	7.414	13.50	13.74	16.49	17.47	12.96	40- 45	7.441	583.4
50.0	7.936	5.969	3.515	6.474	4.072	6.996	8.458	5.761	45- 50	3.787	587.2
55.0	6.474	3.950	1.914	4.786	4.177	6.735	7.901	5.169	50- 55	2.385	589.5
60.0	4.142	3.185	1.427	3.829	2.993	4.090	4.107	3.620	55- 60	2.042	591.6
65.0	3.620	2.053	0.522	2.036	0.870	2.227	3.620	2.071	60- 65	1.229	592.8
70.0	3.237	1.844	0.522	1.827	0.835	2.001	3.237	1.862	65- 70	1.017	593.8
75.0	2.958	1.688	0.487	1.670	0.870	1.844	2.958	1.723	70- 75	0.957	594.8
80.0	2.680	1.566	0.487	1.531	0.870	1.705	2.680	1.618	75- 80	0.905	595.7
85.0	2.506	1.462	0.487	1.427	0.870	1.601	2.471	1.514	80- 85	0.859	596.5
90.0	2.332	1.392	0.487	1.357	0.870	1.514	2.332	1.444	85- 90	0.816	597.4
95.0	2.193	1.322	0.522	1.270	0.905	1.444	2.193	1.374	90- 95	0.776	598.1
100.0	2.088	1.270	0.522	1.218	0.940	1.392	2.053	1.305	95-100	0.738	598.9
105.0	1.949	1.235	0.557	1.166	0.940	1.322	1.914	1.235	100-105	0.695	599.6
110.0	1.844	1.183	0.557	1.131	0.940	1.253	1.810	1.183	105-110	0.654	600.2
115.0	1.775	1.148	0.592	1.096	0.975	1.218	1.705	1.148	110-115	0.610	600.8
120.0	1.705	1.131	0.627	1.079	0.975	1.166	1.636	1.113	115-120	0.569	601.4
125.0	1.670	1.148	0.661	1.079	1.009	1.148	1.566	1.079	120-125	0.531	601.9
130.0	1.670	1.200	0.731	1.096	1.079	1.166	1.531	1.113	125-130	0.505	602.4
135.0	1.740	1.322	0.870	1.200	1.183	1.218	1.566	1.200	130-135	0.492	602.9
140.0	1.879	1.496	1.079	1.340	1.357	1.340	1.636	1.340	135-140	0.494	603.4
145.0	2.088	1.757	1.392	1.566	1.636	1.549	1.810	1.549	140-145	0.509	603.9
150.0	2.401	2.071	1.740	1.844	1.949	1.827	2.053	1.844	145-150	0.527	604.5
155.0	2.715	2.454	2.088	2.210	2.367	2.193	2.367	2.227	150-155	0.537	605.0
160.0	3.132	2.837	2.541	2.593	2.784	2.593	2.784	2.610	155-160	0.525	605.5
165.0	3.481	3.202	2.924	2.958	3.237	2.976	3.167	2.993	160-165	0.477	606.0
170.0	3.759	3.498	3.237	3.272	3.585	3.324	3.481	3.289	165-170	0.385	606.4
175.0	3.863	3.672	3.446	3.446	3.863	3.533	3.689	3.481	170-175	0.250	606.6
180.0	4.037	3.637	3.794	3.515	4.037	3.637	3.794	3.515	175-180	0.087	606.7
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

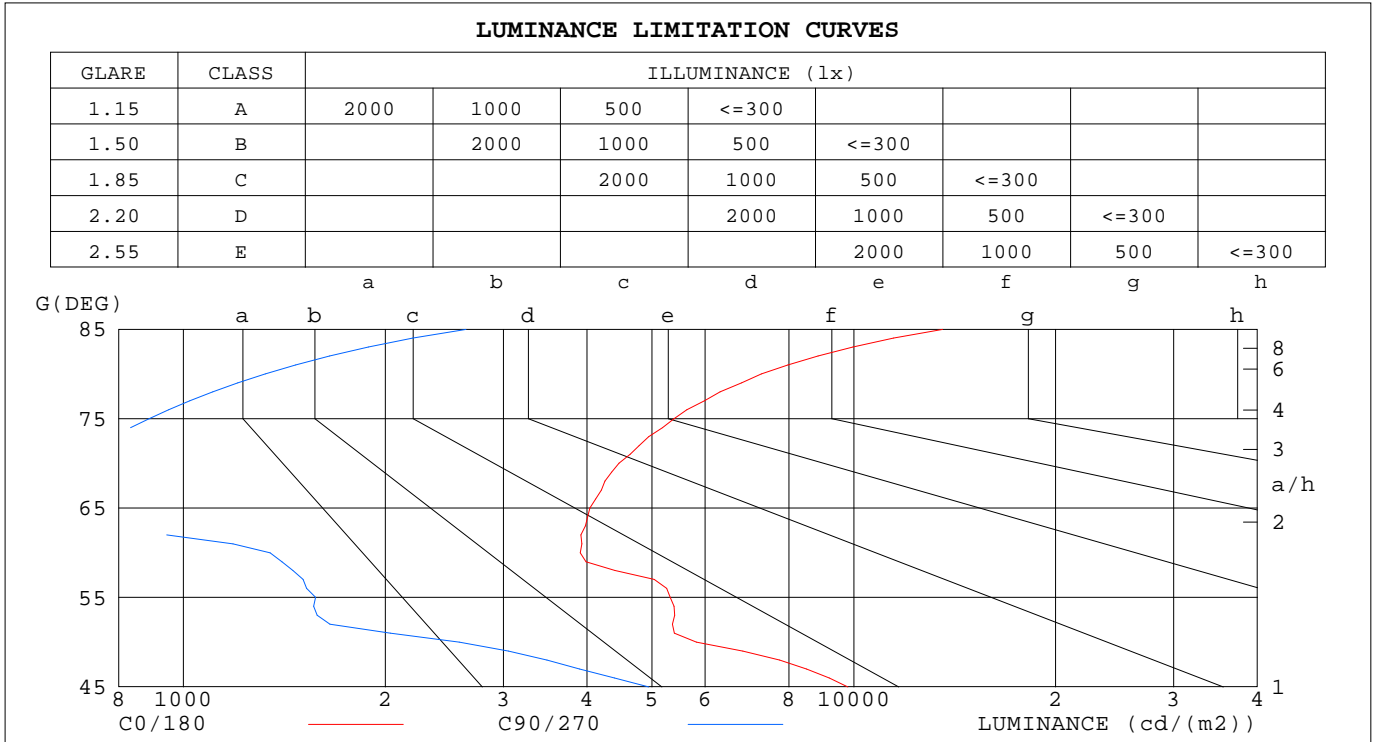
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-R09W-5CCT-BK-2RR-SM-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	13565	2638
80	7281	1324
75	5393	888
70	4465	720
65	4041	583
60	3908	1346
55	5325	1574
50	5824	2580
45	9799	4946

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/16

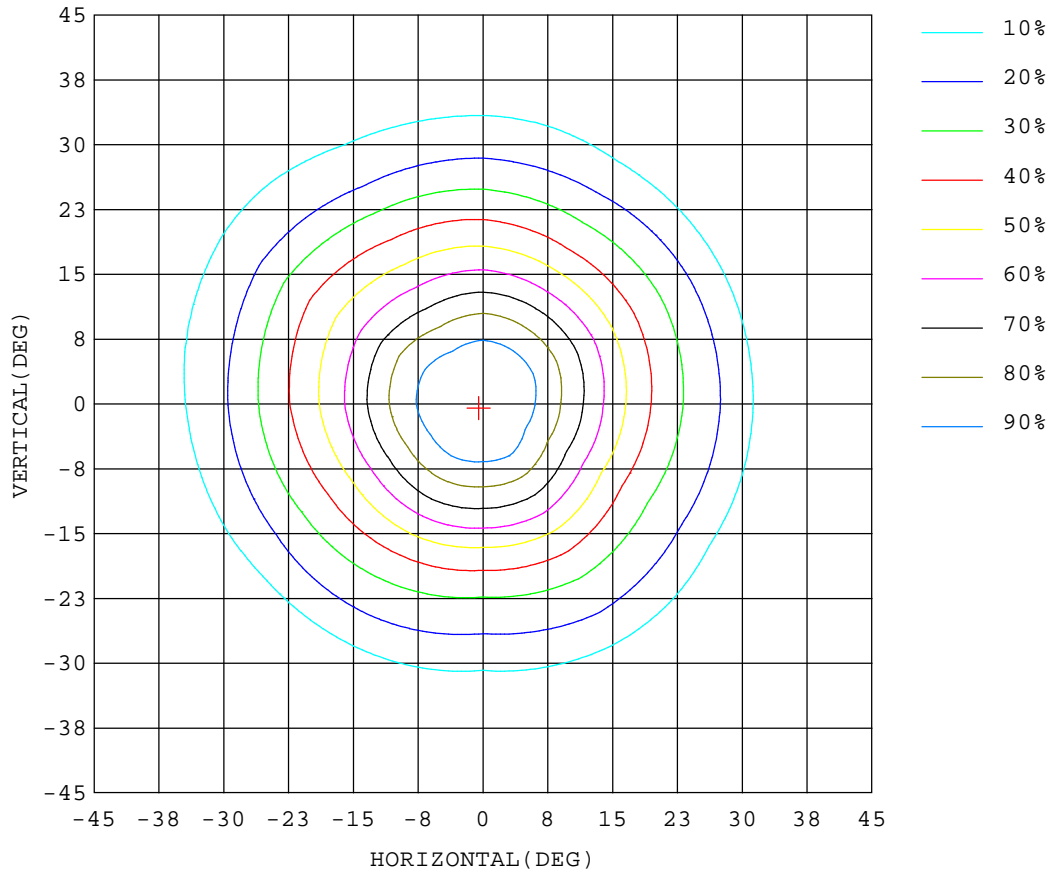
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-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



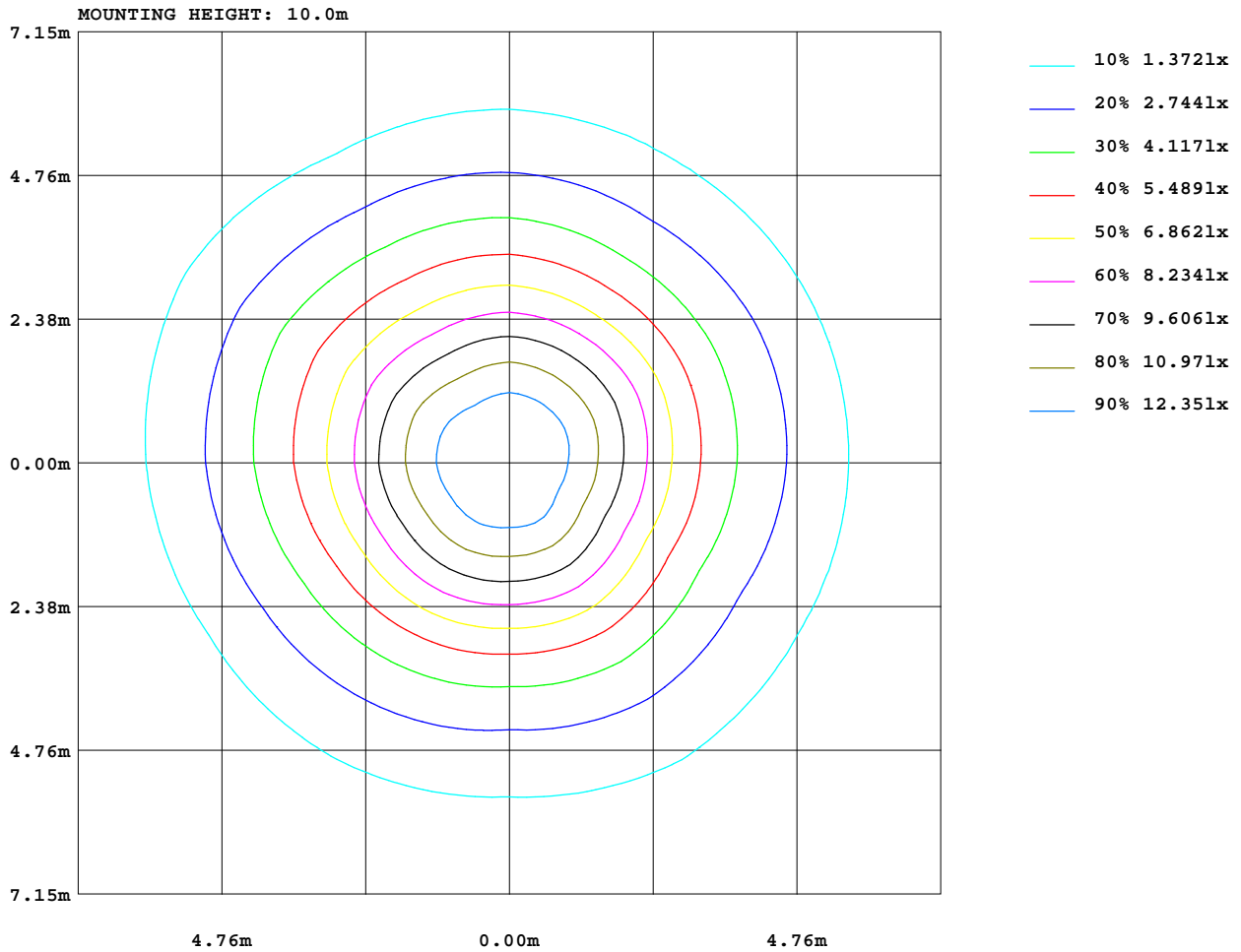
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/16

**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-R09W-5CCT-BK-2RR-SM-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:2024/01/16**

**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-R09W-5CCT-BK-2RR-SM-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 4000</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	0.04	0.04	0.04	0.04	0.05	0.08	0.12	0.15	0.19	0.18	0.15	0.11	0.08	0.05	0.04	0.03	0.03	0.03	1.45	1.45
40	0.05	0.05	0.07	0.09	0.13	0.19	0.32	0.46	0.55	0.54	0.43	0.29	0.16	0.10	0.08	0.06	0.04	0.04	3.63	3.63
35	0.05	0.08	0.13	0.22	0.38	0.59	0.88	1.10	1.21	1.16	0.98	0.74	0.48	0.27	0.14	0.09	0.06	0.04	8.62	8.62
30	0.06	0.13	0.27	0.53	0.88	1.31	1.71	2.09	2.32	2.27	1.96	1.48	0.97	0.62	0.34	0.15	0.09	0.06	17.2	17.2
25	0.08	0.21	0.53	0.95	1.55	2.23	2.93	3.50	3.79	3.70	3.25	2.58	1.84	1.05	0.62	0.29	0.12	0.07	29.3	29.3
20	0.11	0.31	0.76	1.45	2.38	3.40	4.25	4.97	5.44	5.34	4.68	3.75	2.79	1.79	0.87	0.47	0.17	0.09	43.0	43.0
15	0.13	0.41	0.96	1.88	3.19	4.42	5.56	6.59	7.34	7.29	6.36	5.02	3.65	2.45	1.27	0.59	0.24	0.10	57.5	57.5
10	0.14	0.48	1.11	2.22	3.64	5.12	6.77	8.25	9.10	9.08	7.98	6.18	4.33	2.88	1.64	0.68	0.29	0.10	70.0	70.0
5	0.14	0.52	1.17	2.38	3.83	5.44	7.42	9.21	10.1	10.0	8.79	6.74	4.64	3.06	1.81	0.74	0.32	0.11	76.5	76.5
0	0.13	0.49	1.11	2.29	3.69	5.27	7.24	9.06	10.1	9.95	8.55	6.53	4.50	2.98	1.78	0.72	0.30	0.10	74.8	74.8
-5	0.11	0.40	0.95	1.96	3.23	4.61	6.29	8.00	8.99	8.90	7.62	5.67	3.94	2.64	1.54	0.60	0.24	0.09	65.8	65.8
-10	0.09	0.28	0.73	1.47	2.59	3.73	5.00	6.29	7.03	6.97	6.09	4.60	3.22	2.16	1.14	0.45	0.17	0.07	52.1	52.1
-15	0.07	0.17	0.50	0.97	1.86	2.80	3.66	4.42	4.84	4.81	4.33	3.46	2.51	1.61	0.68	0.29	0.10	0.05	37.1	37.1
-20	0.05	0.10	0.28	0.64	1.10	1.87	2.50	2.93	3.13	3.11	2.87	2.41	1.75	0.92	0.41	0.15	0.06	0.04	24.3	24.3
-25	0.03	0.07	0.14	0.36	0.66	0.96	1.40	1.75	1.88	1.88	1.74	1.39	0.87	0.49	0.23	0.09	0.04	0.02	14.0	14.0
-30	0.02	0.04	0.09	0.16	0.33	0.55	0.67	0.75	0.80	0.79	0.71	0.59	0.44	0.26	0.12	0.06	0.03	0.02	6.42	6.42
-35	0.02	0.03	0.06	0.09	0.14	0.22	0.28	0.32	0.31	0.30	0.29	0.25	0.19	0.12	0.08	0.05	0.03	0.01	2.79	2.79
-40	0.02	0.03	0.04	0.06	0.09	0.10	0.11	0.11	0.10	0.09	0.10	0.10	0.09	0.08	0.05	0.03	0.02	0.01	1.23	1.23
-45	0.02	0.03	0.04	0.06	0.09	0.10	0.11	0.11	0.10	0.09	0.10	0.10	0.09	0.08	0.05	0.03	0.02	0.01	1.23	1.23
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL( DEG)	10	15	20	25	30	35	40	45			
$\Phi t$	1.32	3.84	8.95	17.8	29.7	42.9	57.1	70.0	77.2	76.4	66.9	51.9	36.5	23.5	12.8	5.54	2.36	1.05	607	
$\Phi a$	1.32	3.84	8.95	17.8	29.7	42.9	57.1	70.0	77.2	76.4	66.9	51.9	36.5	23.5	12.8	5.54	2.36	1.05		607

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

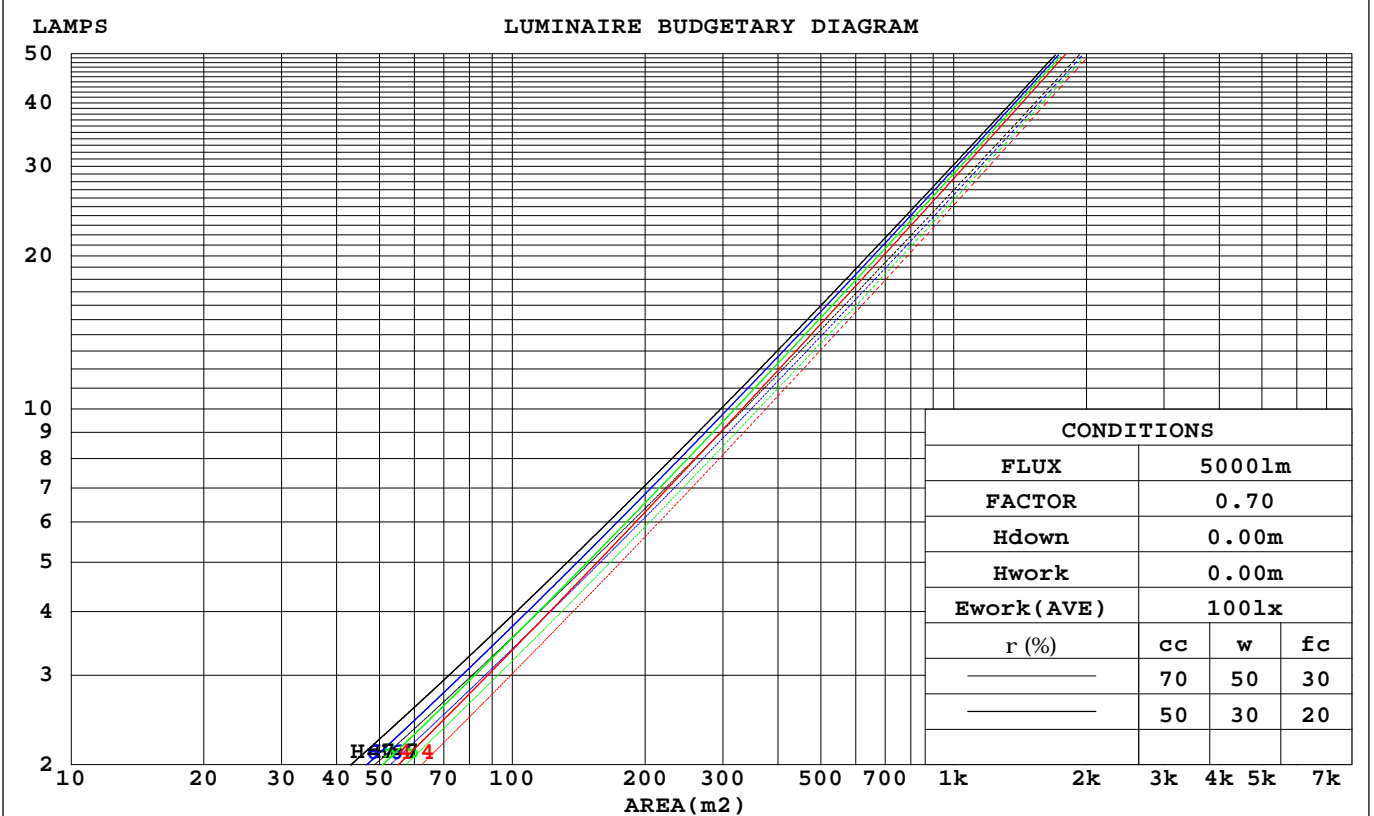
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 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>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	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.94	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.93	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
5.0	.89	.84	.80	.88	.83	.79	.86	.82	.79	.84	.81	.78	.82	.79	.77	.76
6.0	.84	.79	.76	.84	.79	.75	.82	.78	.75	.81	.77	.74	.79	.76	.73	.72
7.0	.80	.75	.72	.80	.75	.71	.78	.74	.71	.77	.73	.71	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66
9.0	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.70	.67	.64	.63
10.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.68	.64	.61	.60



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-R09W-5CCT-BK-2RR-SM-BK		<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	.164	.093	.029	.157	.089	.028	.143	.082	.026	.131	.075	.024	.119	.069	.022	
2.0	.153	.084	.026	.147	.081	.025	.136	.076	.023	.126	.070	.022	.116	.066	.021	
3.0	.144	.077	.023	.139	.074	.022	.129	.070	.021	.121	.066	.020	.112	.062	.019	
4.0	.136	.071	.021	.132	.069	.020	.123	.065	.020	.116	.062	.019	.109	.059	.018	
5.0	.129	.066	.019	.125	.064	.019	.118	.061	.018	.111	.059	.017	.105	.056	.017	
6.0	.123	.061	.018	.119	.060	.017	.113	.058	.017	.107	.056	.016	.101	.053	.016	
7.0	.117	.058	.016	.114	.057	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	
8.0	.112	.055	.015	.109	.054	.015	.104	.052	.015	.099	.050	.015	.095	.049	.014	
9.0	.107	.052	.014	.105	.051	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	
10.0	.103	.049	.014	.100	.049	.014	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.182	.169	.158	.156	.145	.136	.107	.100	.094	.061	.058	.055	.020	.019	.018	
2.0	.166	.145	.127	.142	.124	.110	.097	.086	.076	.056	.050	.045	.018	.016	.015	
3.0	.152	.125	.104	.130	.108	.090	.090	.075	.063	.052	.044	.037	.017	.014	.012	
4.0	.141	.111	.087	.121	.095	.076	.083	.067	.053	.048	.039	.032	.015	.013	.010	
5.0	.132	.099	.074	.113	.085	.065	.078	.060	.046	.045	.035	.027	.015	.011	.009	
6.0	.124	.089	.064	.106	.077	.056	.073	.054	.040	.042	.032	.024	.014	.010	.008	
7.0	.117	.081	.057	.100	.070	.049	.069	.049	.035	.040	.029	.021	.013	.010	.007	
8.0	.111	.075	.050	.095	.065	.044	.066	.046	.031	.038	.027	.019	.012	.009	.006	
9.0	.105	.070	.045	.091	.060	.040	.063	.042	.028	.037	.025	.017	.012	.008	.006	
10.0	.101	.065	.041	.087	.056	.036	.060	.040	.026	.035	.023	.015	.011	.008	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-R09W-5CCT-BK-2RR-SM-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	12.6	13.4	12.8	13.6	13.7	13.3	14.1	13.5	14.3	14.5
3H	12.7	13.5	13.0	13.7	13.9	13.2	14.0	13.5	14.2	14.4
4H	13.0	13.7	13.3	13.9	14.2	13.2	13.9	13.5	14.2	14.4
6H	13.5	14.1	13.8	14.4	14.7	13.2	13.9	13.5	14.1	14.4
8H	13.9	14.5	14.2	14.8	15.1	13.2	13.9	13.6	14.1	14.4
12H	14.5	15.1	14.8	15.4	15.7	13.3	13.9	13.6	14.2	14.5
4H 2H	12.4	13.1	12.7	13.4	13.6	13.1	13.8	13.4	14.1	14.3
3H	12.6	13.2	12.9	13.5	13.8	13.3	13.9	13.6	14.2	14.5
4H	12.9	13.4	13.2	13.7	14.1	13.4	14.0	13.8	14.3	14.6
6H	13.5	14.0	13.9	14.4	14.7	13.6	14.1	14.0	14.5	14.8
8H	14.1	14.5	14.5	14.9	15.3	13.7	14.2	14.1	14.6	14.9
12H	14.9	15.3	15.3	15.7	16.2	13.8	14.3	14.3	14.7	15.1
8H 4H	12.9	13.3	13.3	13.7	14.1	13.5	13.9	13.9	14.3	14.7
6H	13.6	13.9	14.0	14.4	14.8	14.0	14.4	14.5	14.8	15.3
8H	14.2	14.5	14.7	15.0	15.4	14.4	14.8	14.9	15.2	15.7
12H	15.2	15.5	15.7	16.0	16.5	14.8	15.1	15.3	15.6	16.1
12H 4H	12.9	13.4	13.4	13.8	14.2	13.4	13.8	13.8	14.2	14.7
6H	13.7	14.0	14.1	14.4	14.9	14.1	14.4	14.5	14.8	15.3
8H	14.3	14.6	14.8	15.1	15.6	14.6	14.9	15.1	15.4	15.9
Variations with the observer position at spacings:										
s = 1.0H	+ 2.7 / - 1.5					+ 1.4 / - 1.5				
1.5H	+ 4.7 / - 1.8					+ 3.0 / - 1.8				
2.0H	+ 2.2 / - 0.9					+ 0.8 / - 0.9				

CIE Pub.117 Corrected 606.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.7)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-R09W-5CCT-BK-2RR-SM-BK		<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	88	82	79	88	82	79	87	82	78	75
0.80	96	90	86	95	90	86	94	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	105	101	98	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	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
5.00	115	113	111	112	111	109	108	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			

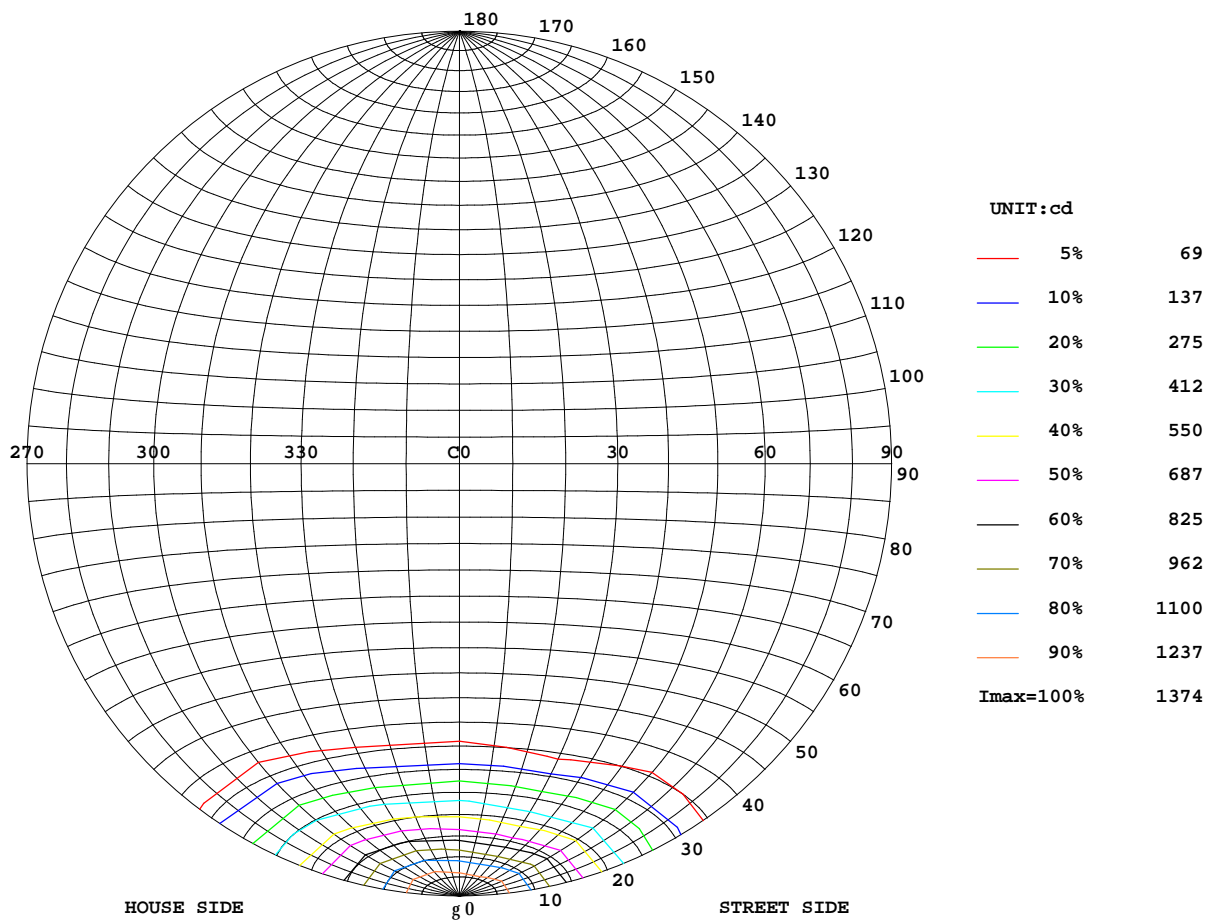
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-COB02-R09W-5CCT-BK-2RR-SM-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:2024/01/16

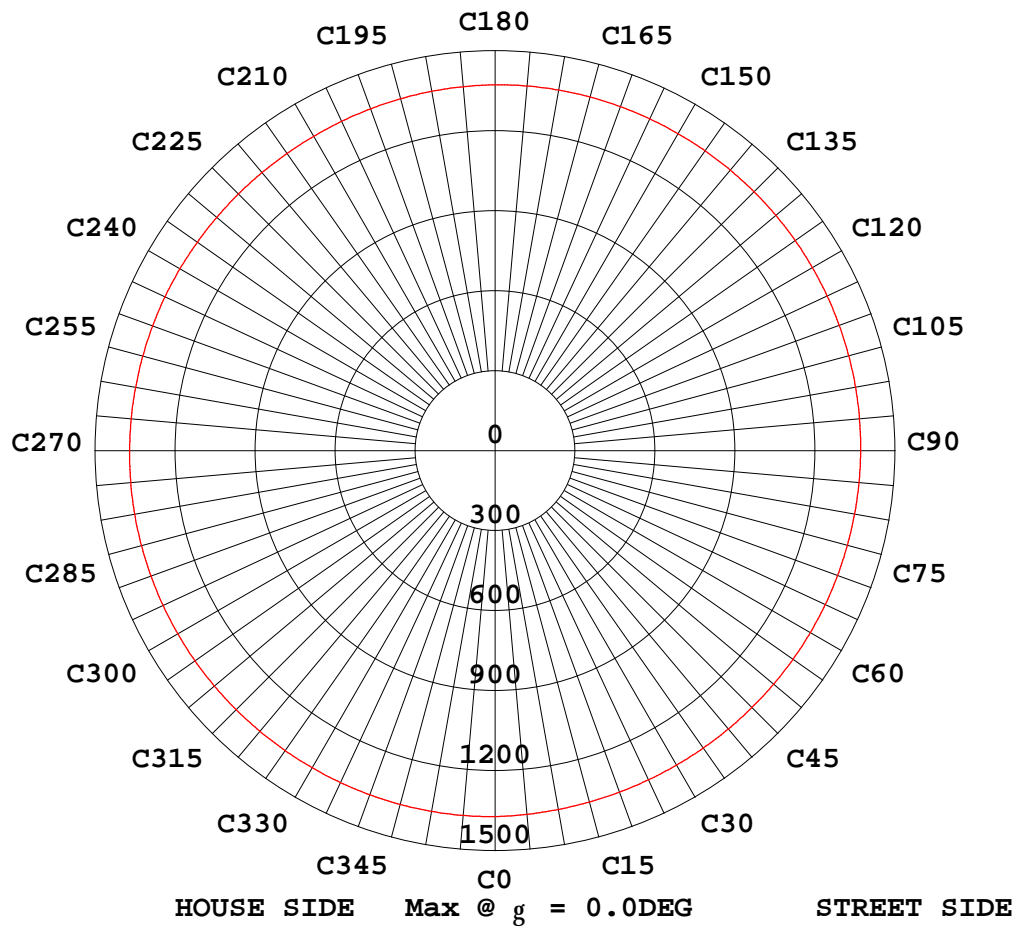
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:



# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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-R09W-5CCT-BK-2RR-SM-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	1372	1362	1365	1371	1374	1373	1372	1362	1365	1371	1374	1373
5.0	1274	1263	1297	1296	1309	1304	1320	1316	1297	1308	1301	1295
10.0	1047	1022	1077	1078	1094	1099	1137	1152	1108	1121	1102	1090
15.0	764	731	791	785	808	820	875	897	846	849	819	812
20.0	527	489	532	514	545	576	644	672	620	608	564	562
25.0	355	322	345	322	354	386	450	481	420	405	366	374
30.0	180	157	197	159	197	205	255	280	224	223	205	192
35.0	80.8	54.3	76.5	60.9	94.6	93.4	128	157	109	117	85.8	94.0
40.0	27.1	14.1	30.7	18.3	35.8	28.3	43.1	65.8	28.7	39.9	24.0	32.6
45.0	14.6	6.89	14.3	7.41	15.6	11.3	13.7	23.0	9.92	17.4	9.81	16.1
50.0	7.93	3.13	8.80	3.51	9.39	3.55	4.07	9.99	4.00	8.45	3.06	8.45
55.0	6.47	2.12	5.77	1.91	6.78	2.78	4.17	9.18	4.28	7.90	3.48	6.85
60.0	4.14	1.49	4.87	1.42	5.67	1.98	2.99	7.41	0.77	4.10	1.77	5.46
65.0	3.62	0.59	3.51	0.52	3.55	0.52	0.87	3.89	0.56	3.62	0.56	3.58
70.0	3.23	0.56	3.13	0.52	3.13	0.52	0.84	3.44	0.56	3.23	0.52	3.20
75.0	2.95	0.56	2.81	0.49	2.85	0.49	0.87	3.13	0.56	2.95	0.56	2.88
80.0	2.68	0.56	2.57	0.49	2.57	0.49	0.87	2.85	0.56	2.68	0.56	2.68
85.0	2.50	0.56	2.36	0.49	2.36	0.49	0.87	2.61	0.59	2.47	0.56	2.47
90.0	2.33	0.59	2.19	0.49	2.22	0.49	0.87	2.43	0.59	2.33	0.59	2.29
95.0	2.19	0.59	2.05	0.52	2.05	0.49	0.91	2.29	0.59	2.19	0.59	2.15
100.0	2.08	0.59	1.94	0.52	1.91	0.52	0.94	2.15	0.63	2.05	0.59	2.01
105.0	1.94	0.63	1.84	0.56	1.81	0.52	0.94	2.01	0.63	1.91	0.59	1.87
110.0	1.84	0.63	1.74	0.56	1.74	0.52	0.94	1.87	0.63	1.81	0.59	1.77
115.0	1.77	0.66	1.63	0.59	1.63	0.56	0.97	1.81	0.63	1.70	0.59	1.70
120.0	1.70	0.70	1.56	0.63	1.56	0.59	0.97	1.70	0.63	1.63	0.63	1.60
125.0	1.67	0.77	1.53	0.66	1.53	0.63	1.00	1.63	0.66	1.56	0.63	1.53
130.0	1.67	0.87	1.53	0.73	1.49	0.70	1.07	1.60	0.73	1.53	0.70	1.53
135.0	1.74	1.04	1.60	0.87	1.56	0.84	1.18	1.60	0.84	1.56	0.84	1.56
140.0	1.87	1.25	1.74	1.07	1.67	1.00	1.35	1.67	1.00	1.63	1.00	1.67
145.0	2.08	1.56	1.94	1.39	1.84	1.28	1.63	1.84	1.25	1.81	1.25	1.84
150.0	2.40	1.91	2.22	1.74	2.08	1.60	1.94	2.08	1.56	2.05	1.56	2.12
155.0	2.71	2.33	2.57	2.08	2.43	1.98	2.36	2.40	1.98	2.36	1.98	2.47
160.0	3.13	2.74	2.92	2.54	2.78	2.40	2.78	2.74	2.43	2.78	2.40	2.81
165.0	3.48	3.13	3.27	2.92	3.13	2.78	3.23	3.13	2.81	3.16	2.81	3.16
170.0	3.75	3.41	3.58	3.23	3.41	3.13	3.58	3.48	3.16	3.48	3.13	3.44
175.0	3.86	3.62	3.72	3.44	3.58	3.30	3.86	3.68	3.37	3.68	3.34	3.62
180.0	4.03	3.79	3.48	3.79	3.37	3.65	4.03	3.79	3.48	3.79	3.37	3.65

**Test System:HOPOO HPG1800**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024/01/16**

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