

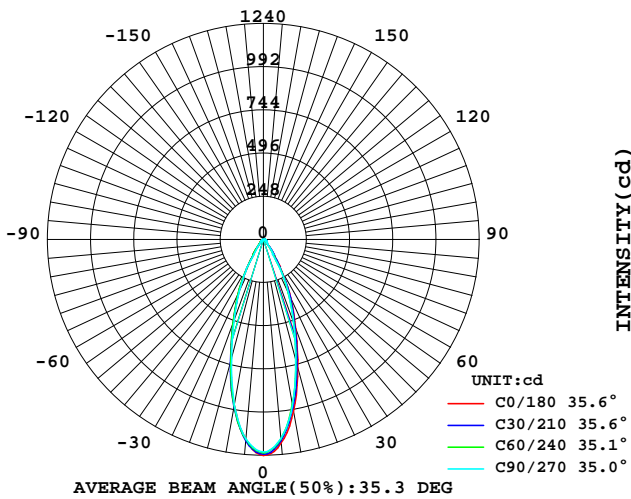
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

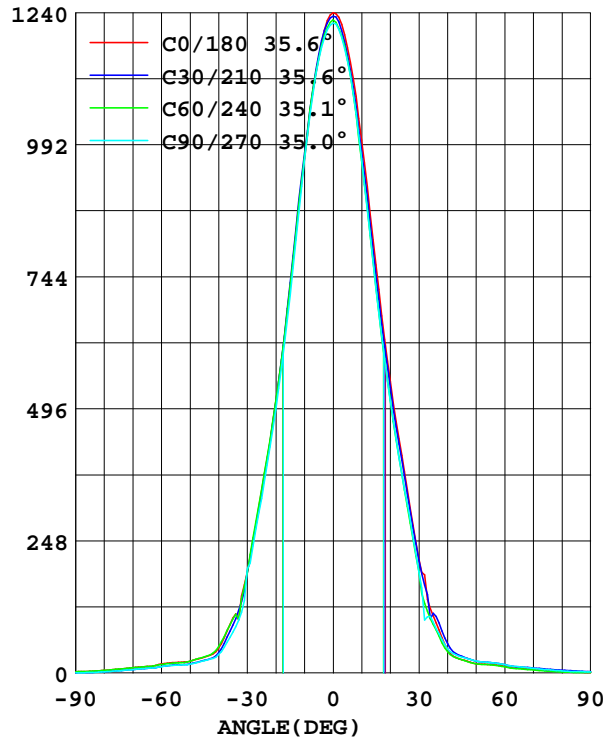
MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-2RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1240	S/MH(C0/180)	0.56
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.56
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	589.4	Voltage(V)	120.6
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	67.2	Current(A)	0.075
NOMINAL FLUX(lm)	589.4	h up(%)	1.6	Power(W)	8.770
LAMPS QUANTITY	1	h down(%)	98.4	Power Factor(PF)	0.968
TEST VOLTAGE(V)	120.7	Effictive Flux(lm)	589.4	EEL	0.175

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



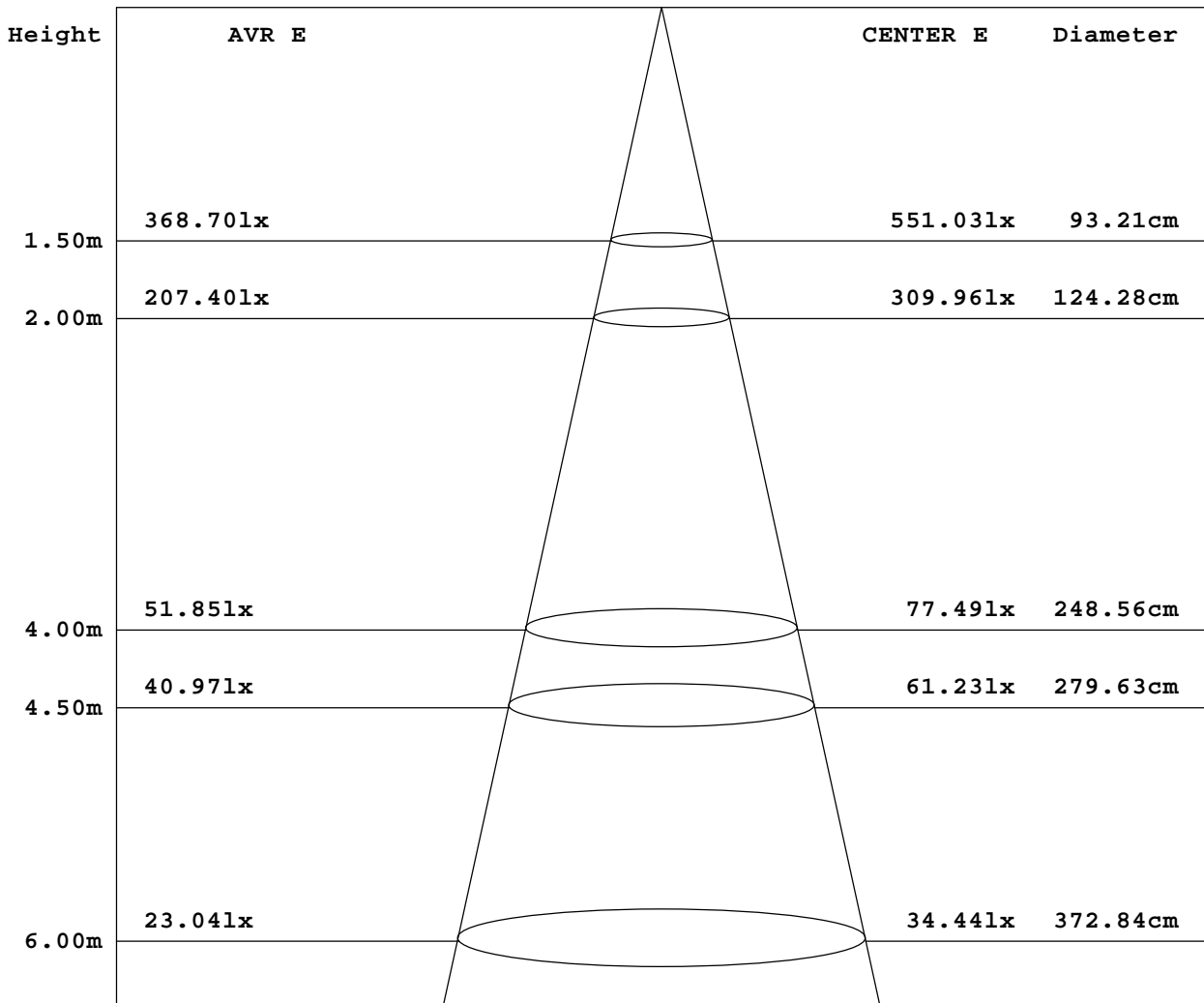
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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-2RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Angle: 34.5deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/01/25

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-R09W-5CCT-2RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tBtal
5.0	1154	1157	1151	1157	1174	1156	1149	1164	0- 5	28.53	28.53
10.0	966.6	973.1	965.1	963.2	1001	971.0	965.9	982.8	5- 10	76.06	104.6
15.0	724.5	729.6	708.9	716.6	765.9	735.2	721.4	739.2	10- 15	100.3	204.9
20.0	509.3	509.3	493.5	510.4	547.3	523.9	509.8	519.2	15- 20	101.1	306.0
25.0	343.3	341.3	328.0	348.6	377.6	356.7	344.8	349.3	20- 25	89.27	395.3
30.0	189.3	188.1	194.9	182.8	214.2	201.9	190.1	193.8	25- 30	67.99	463.3
35.0	102.9	95.64	76.79	90.76	107.0	101.6	95.27	92.92	30- 35	38.38	501.7
40.0	46.68	43.39	34.32	39.96	44.59	47.41	45.18	42.36	35- 40	22.55	524.2
45.0	29.76	27.18	23.11	26.31	25.23	27.98	29.93	26.96	40- 45	12.14	536.4
50.0	22.20	19.59	16.29	18.62	17.12	19.51	22.31	19.87	45- 50	9.330	545.7
55.0	19.80	16.91	14.65	16.98	15.83	17.35	19.56	17.64	50- 55	7.878	553.6
60.0	16.88	14.21	12.00	13.74	12.28	13.61	15.66	14.77	55- 60	7.358	560.9
65.0	12.25	10.39	8.806	10.39	8.841	9.816	11.52	10.68	60- 65	5.724	566.7
70.0	9.746	8.162	6.439	8.110	6.787	7.518	8.737	8.563	65- 70	4.670	571.3
75.0	7.170	5.830	4.107	5.813	4.838	5.360	6.126	6.230	70- 75	3.577	574.9
80.0	4.908	3.672	2.158	3.759	3.132	3.515	3.933	4.264	75- 80	2.508	577.4
85.0	3.132	2.106	0.835	2.106	1.705	2.297	2.610	2.697	80- 85	1.583	579.0
90.0	2.401	1.444	0.557	1.409	0.870	1.531	2.332	1.531	85- 90	0.984	580.0
95.0	2.262	1.374	0.557	1.322	0.905	1.462	2.158	1.427	90- 95	0.798	580.8
100.0	2.088	1.322	0.592	1.270	0.905	1.392	2.018	1.357	95-100	0.753	581.5
105.0	1.984	1.270	0.592	1.218	0.940	1.322	1.914	1.287	100-105	0.713	582.3
110.0	1.879	1.235	0.627	1.183	0.940	1.305	1.810	1.253	105-110	0.671	582.9
115.0	1.810	1.200	0.661	1.166	0.940	1.253	1.705	1.200	110-115	0.631	583.6
120.0	1.740	1.183	0.661	1.131	0.975	1.218	1.636	1.166	115-120	0.590	584.1
125.0	1.705	1.200	0.696	1.131	1.009	1.183	1.566	1.148	120-125	0.553	584.7
130.0	1.670	1.218	0.801	1.148	1.079	1.200	1.531	1.166	125-130	0.522	585.2
135.0	1.705	1.305	0.905	1.235	1.218	1.270	1.566	1.218	130-135	0.503	585.7
140.0	1.844	1.444	1.079	1.374	1.392	1.374	1.636	1.322	135-140	0.499	586.2
145.0	1.984	1.636	1.322	1.583	1.601	1.583	1.775	1.531	140-145	0.503	586.7
150.0	2.227	1.897	1.601	1.827	1.879	1.810	1.984	1.775	145-150	0.509	587.2
155.0	2.541	2.210	1.949	2.140	2.227	2.140	2.262	2.088	150-155	0.510	587.7
160.0	2.819	2.558	2.297	2.471	2.645	2.454	2.575	2.419	155-160	0.491	588.2
165.0	3.132	2.871	2.645	2.784	2.993	2.802	2.924	2.749	160-165	0.441	588.7
170.0	3.411	3.115	2.924	3.045	3.306	3.063	3.202	3.028	165-170	0.353	589.0
175.0	3.550	3.272	3.098	3.202	3.550	3.237	3.376	3.202	170-175	0.228	589.3
180.0	3.655	3.306	3.411	3.237	3.655	3.306	3.411	3.237	175-180	0.079	589.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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

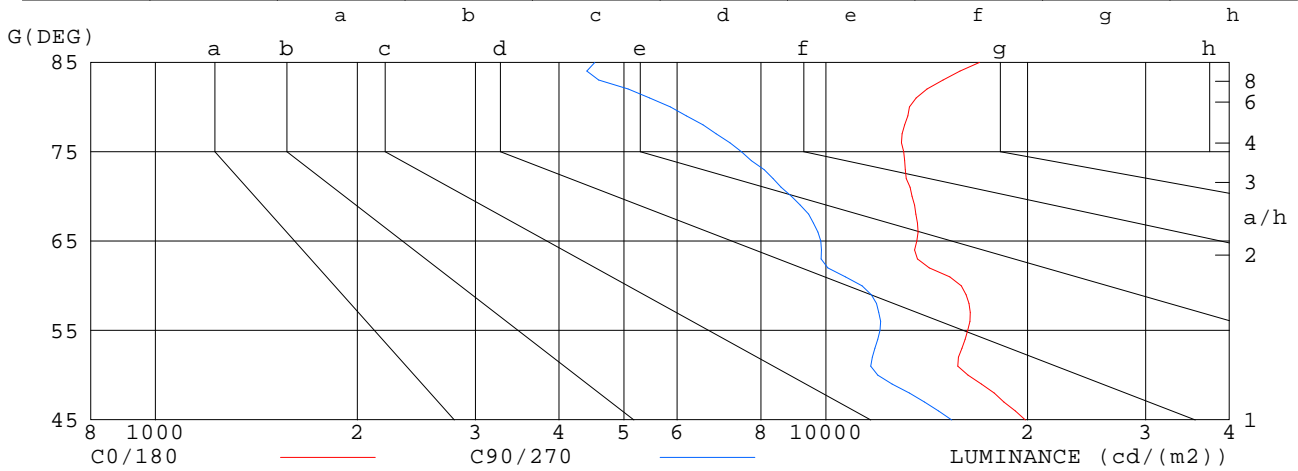
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB02-R09W-5CCT-2RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300	<=300	500	<=300	<=300
1.15	A	2000	1000	500	<=300	<=300			
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	16956	4522
80	13333	5863
75	13069	7486
70	13442	8882
65	13676	9830
60	15927	11330
55	16289	12052
50	16298	11955
45	19854	15419

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/25

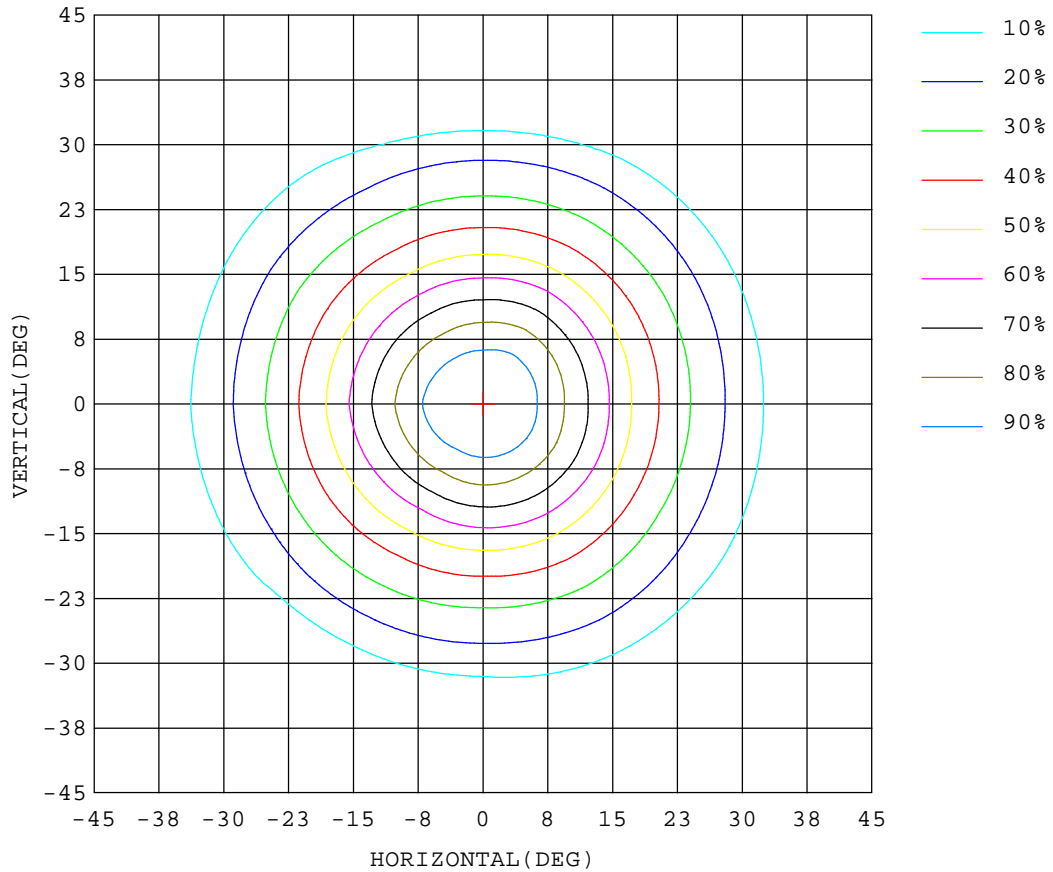
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB02-R09W-5CCT-2RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



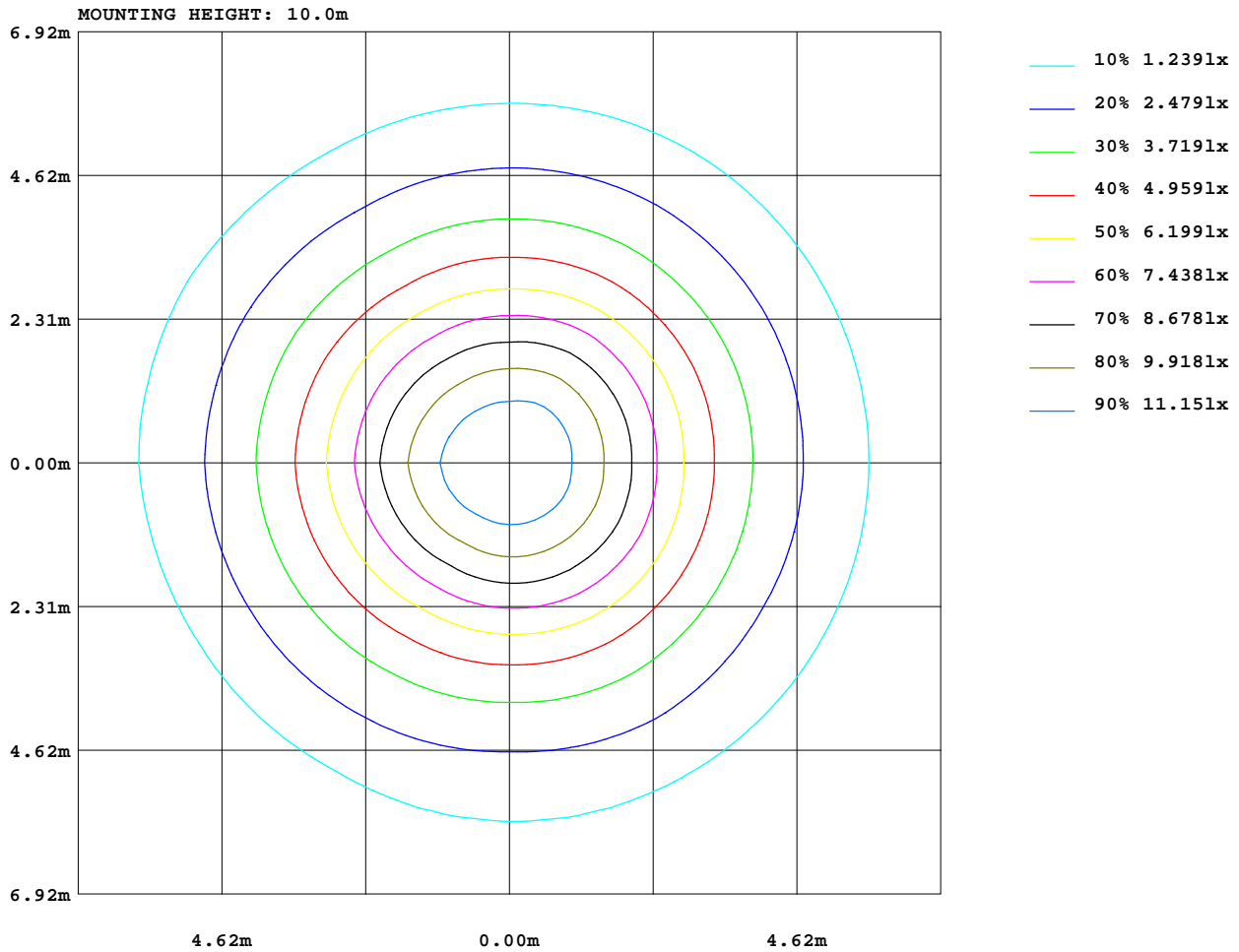
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/25

**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-2RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/25

**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-2RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3000</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	0.10	0.11	0.12	0.13	0.15	0.18	0.21	0.24	0.27	0.26	0.24	0.21	0.18	0.15	0.13	0.12	0.11	0.10	3.01	3.01
40	0.11	0.12	0.15	0.18	0.21	0.27	0.37	0.46	0.51	0.50	0.44	0.34	0.25	0.20	0.17	0.15	0.12	0.11	4.66	4.66
35	0.12	0.15	0.19	0.26	0.39	0.55	0.71	0.84	0.92	0.92	0.82	0.67	0.50	0.35	0.24	0.18	0.15	0.12	8.08	8.08
30	0.13	0.18	0.27	0.47	0.70	0.99	1.39	1.79	2.01	2.02	1.82	1.42	0.95	0.64	0.42	0.25	0.18	0.13	15.7	15.7
25	0.15	0.22	0.44	0.73	1.17	1.81	2.42	2.90	3.17	3.19	2.94	2.47	1.82	1.07	0.65	0.39	0.21	0.15	25.9	25.9
20	0.16	0.29	0.61	1.06	1.83	2.68	3.45	4.14	4.58	4.60	4.20	3.48	2.64	1.75	0.92	0.56	0.27	0.17	37.4	37.4
15	0.17	0.36	0.75	1.46	2.45	3.48	4.59	5.62	6.30	6.37	5.73	4.58	3.39	2.32	1.31	0.66	0.34	0.18	50.1	50.1
10	0.18	0.42	0.90	1.76	2.90	4.19	5.69	7.09	7.94	8.03	7.16	5.61	4.03	2.72	1.61	0.77	0.40	0.19	61.6	61.6
5	0.18	0.45	1.00	1.95	3.16	4.63	6.42	8.04	8.98	9.01	7.95	6.22	4.39	2.93	1.77	0.85	0.44	0.20	68.6	68.6
0	0.18	0.44	0.98	1.93	3.15	4.61	6.38	8.03	8.98	8.97	7.94	6.22	4.37	2.92	1.75	0.84	0.43	0.20	68.3	68.3
-5	0.17	0.38	0.85	1.70	2.85	4.12	5.58	7.01	7.91	7.97	7.10	5.58	3.98	2.67	1.58	0.76	0.38	0.18	60.8	60.8
-10	0.15	0.30	0.68	1.33	2.37	3.41	4.48	5.48	6.21	6.28	5.63	4.50	3.31	2.24	1.27	0.64	0.30	0.16	48.8	48.8
-15	0.13	0.22	0.50	0.92	1.71	2.61	3.38	4.03	4.47	4.50	4.11	3.41	2.56	1.69	0.91	0.48	0.23	0.14	36.0	36.0
-20	0.12	0.17	0.32	0.63	1.02	1.72	2.37	2.83	3.07	3.09	2.86	2.41	1.76	1.07	0.63	0.32	0.17	0.13	24.7	24.7
-25	0.10	0.14	0.21	0.39	0.64	0.89	1.29	1.71	1.91	1.93	1.76	1.40	0.98	0.67	0.41	0.21	0.14	0.11	14.9	14.9
-30	0.09	0.12	0.17	0.23	0.36	0.53	0.66	0.76	0.85	0.87	0.81	0.72	0.61	0.41	0.25	0.17	0.12	0.09	7.83	7.83
-35	0.09	0.11	0.14	0.18	0.23	0.28	0.34	0.39	0.41	0.42	0.42	0.38	0.32	0.24	0.19	0.14	0.11	0.09	4.48	4.48
-40	0.08	0.10	0.12	0.14	0.18	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.21	0.19	0.15	0.12	0.10	0.08	2.95	2.95
-45	0.08	0.10	0.12	0.14	0.18	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.21	0.19	0.15	0.12	0.10	0.08	2.95	2.95
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
$\Phi$ t	2.39	4.30	8.41	15.4	25.5	37.1	50.0	61.6	68.7	69.2	62.2	49.9	36.2	24.2	14.3	7.61	4.20	2.52	589	
$\Phi$ a	2.39	4.30	8.41	15.4	25.5	37.1	50.0	61.6	68.7	69.2	62.2	49.9	36.2	24.2	14.3	7.61	4.20	2.52		589

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

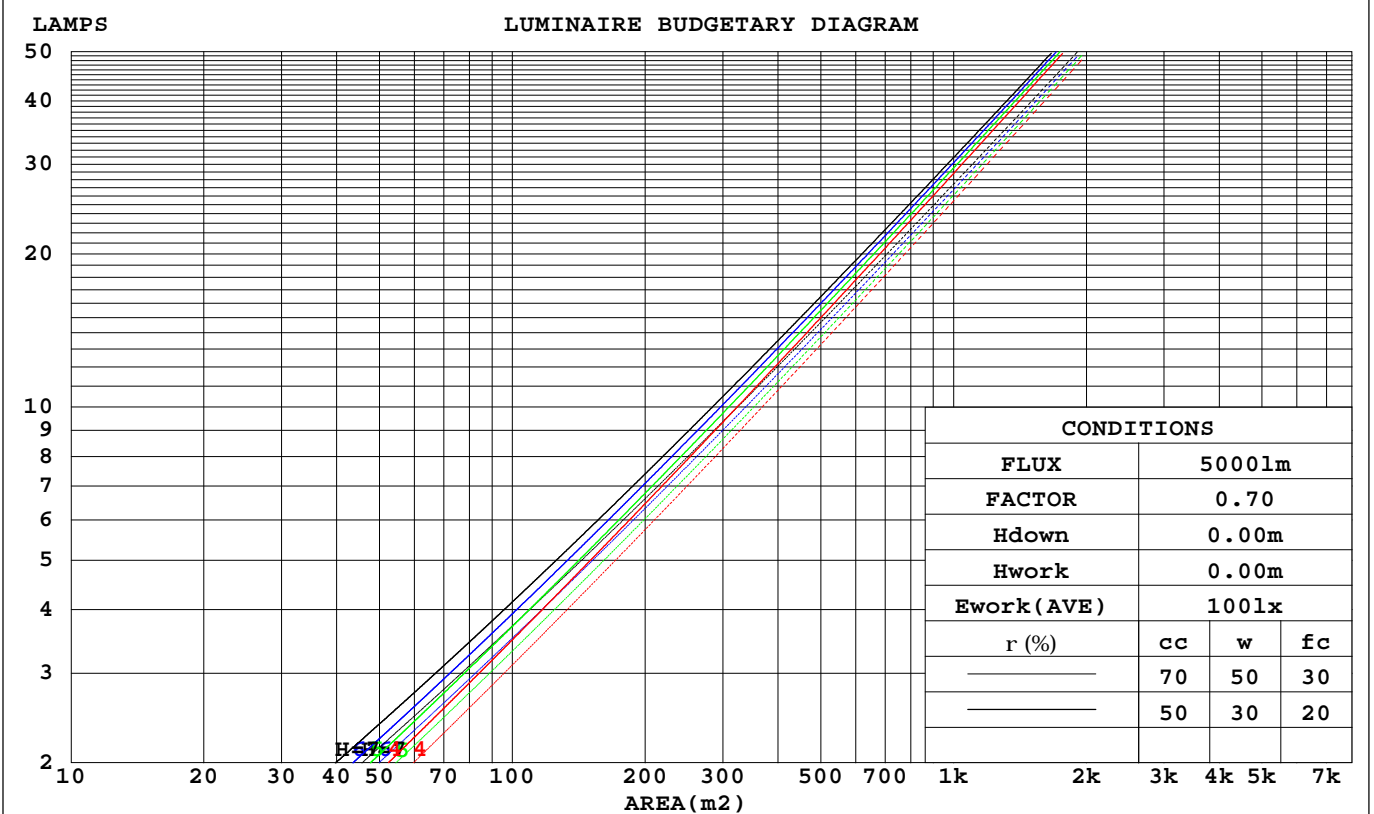
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB02-R09W-5CCT-2RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 3000		<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
r fc	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	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.00	.90	.98	.97	.96	.95	.94	.92
2.0	1.03	.99	.96	1.01	.97	.94	.98	.95	.92	.94	.92	.90	.91	.89	.88	.86
3.0	.96	.92	.88	.95	.91	.87	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81
4.0	.91	.86	.82	.90	.85	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.86	.80	.76	.85	.80	.76	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.76	.72	.80	.75	.71	.79	.74	.71	.77	.73	.70	.76	.72	.70	.68
7.0	.77	.72	.68	.77	.71	.68	.75	.70	.67	.74	.70	.67	.73	.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	.60	.67	.63	.60	.59
10.0	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.58	.56



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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-2RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3000	<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	.180	.102	.032	.173	.098	.031	.159	.091	.029	.147	.085	.027	.135	.078	.025	
2.0	.168	.092	.028	.162	.089	.028	.151	.084	.026	.140	.079	.025	.131	.074	.023	
3.0	.158	.084	.025	.153	.082	.025	.143	.077	.024	.134	.073	.023	.126	.070	.022	
4.0	.148	.077	.023	.144	.075	.022	.135	.072	.021	.128	.069	.021	.120	.065	.020	
5.0	.140	.071	.021	.136	.070	.020	.129	.067	.020	.122	.064	.019	.115	.062	.019	
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.116	.061	.018	.111	.058	.017	
7.0	.126	.062	.018	.123	.061	.017	.117	.059	.017	.112	.057	.017	.106	.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	.099	.050	.014	
10.0	.109	.052	.015	.107	.052	.014	.103	.050	.014	.099	.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	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.183	.169	.157	.157	.145	.135	.107	.100	.093	.062	.058	.054	.020	.019	.018	
2.0	.168	.145	.125	.144	.125	.108	.099	.086	.075	.057	.050	.044	.018	.016	.014	
3.0	.155	.126	.102	.133	.109	.089	.091	.075	.062	.053	.044	.037	.017	.014	.012	
4.0	.144	.111	.086	.124	.096	.074	.085	.067	.052	.049	.039	.031	.016	.013	.010	
5.0	.135	.099	.073	.116	.086	.064	.080	.060	.045	.046	.035	.027	.015	.012	.009	
6.0	.127	.090	.063	.109	.078	.055	.075	.055	.039	.044	.032	.023	.014	.010	.008	
7.0	.120	.082	.056	.103	.071	.049	.071	.050	.034	.042	.029	.020	.013	.010	.007	
8.0	.114	.076	.050	.098	.066	.043	.068	.046	.031	.040	.027	.018	.013	.009	.006	
9.0	.109	.071	.045	.094	.061	.039	.065	.043	.028	.038	.025	.017	.012	.008	.005	
10.0	.104	.066	.041	.090	.057	.036	.062	.040	.025	.036	.024	.015	.012	.008	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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-2RR-SM-WH					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 3000			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	17.1	18.0	17.4	18.2	18.4	17.2	18.1	17.4	18.3	18.4
3H	18.1	18.9	18.4	19.2	19.4	18.0	18.8	18.2	19.0	19.2
4H	18.6	19.4	18.9	19.6	19.9	18.3	19.0	18.6	19.3	19.5
6H	19.1	19.8	19.4	20.1	20.3	18.4	19.2	18.8	19.4	19.7
8H	19.3	20.0	19.6	20.3	20.6	18.5	19.2	18.8	19.5	19.7
12H	19.5	20.2	19.9	20.5	20.8	18.5	19.1	18.8	19.4	19.7
4H 2H	17.4	18.2	17.7	18.4	18.7	17.5	18.3	17.8	18.5	18.8
3H	18.5	19.2	18.9	19.5	19.8	18.6	19.3	19.0	19.6	19.9
4H	19.1	19.7	19.5	20.0	20.4	19.1	19.7	19.5	20.1	20.4
6H	19.7	20.2	20.1	20.6	20.9	19.5	20.0	19.9	20.4	20.7
8H	19.9	20.4	20.3	20.8	21.2	19.5	20.0	20.0	20.4	20.8
12H	20.2	20.7	20.7	21.1	21.5	19.6	20.0	20.0	20.4	20.9
8H 4H	19.3	19.8	19.7	20.2	20.6	19.3	19.8	19.7	20.2	20.6
6H	19.9	20.3	20.3	20.7	21.2	19.9	20.3	20.3	20.7	21.2
8H	20.2	20.6	20.7	21.0	21.5	20.1	20.5	20.6	20.9	21.4
12H	20.6	20.9	21.0	21.3	21.8	20.3	20.6	20.8	21.1	21.6
12H 4H	19.3	19.7	19.7	20.1	20.6	19.3	19.8	19.7	20.1	20.6
6H	19.9	20.3	20.4	20.7	21.2	19.9	20.3	20.4	20.7	21.2
8H	20.3	20.6	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
Variations with the observer position at spacings:										
s = 1.0H	+ 0.9 / - 0.5					+ 0.5 / - 0.6				
1.5H	+ 1.9 / - 0.6					+ 1.0 / - 0.8				
2.0H	+ 0.7 / - 0.8					+ 0.3 / - 0.7				

CIE Pub.117 Corrected 589.3 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.8)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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-2RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3000	<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	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	91	86	82	90	85	81	77
1.00	97	91	87	96	90	86	94	90	86	82
1.25	101	95	91	100	95	91	98	93	90	85
1.50	104	99	95	102	98	94	100	96	93	88
2.00	107	102	99	105	101	98	102	99	96	90
2.50	109	104	101	107	103	100	104	100	98	92
3.00	110	107	104	108	105	102	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	95
5.00	114	111	109	112	109	108	107	106	104	96
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

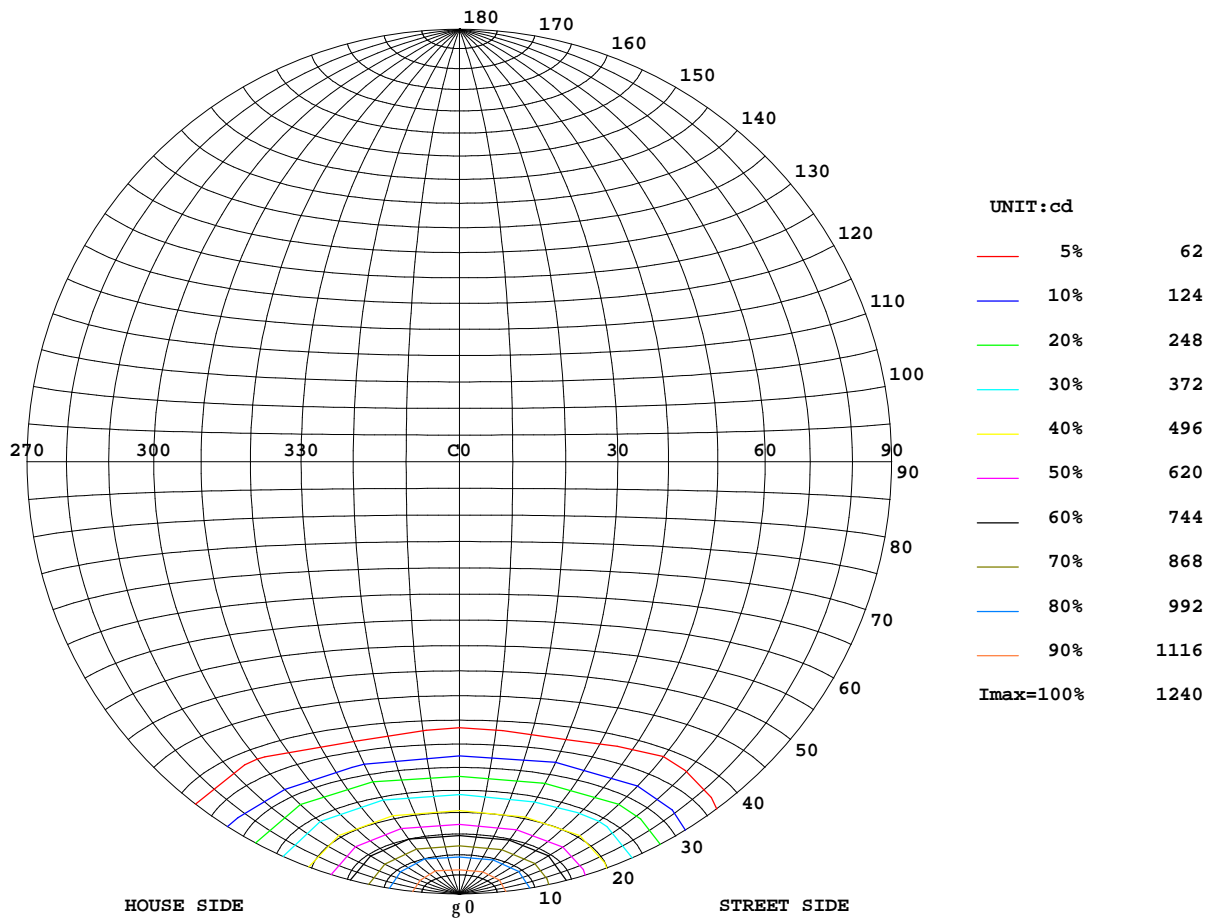
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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-R09W-5CCT-2RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/25

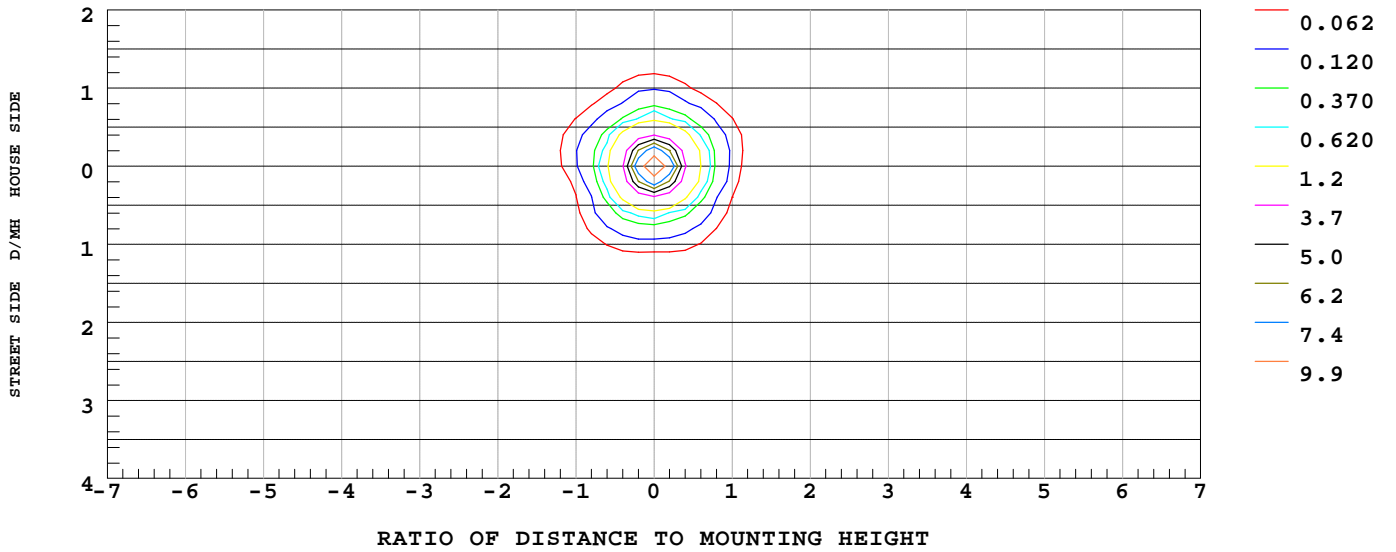
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-2RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 12.40 lx



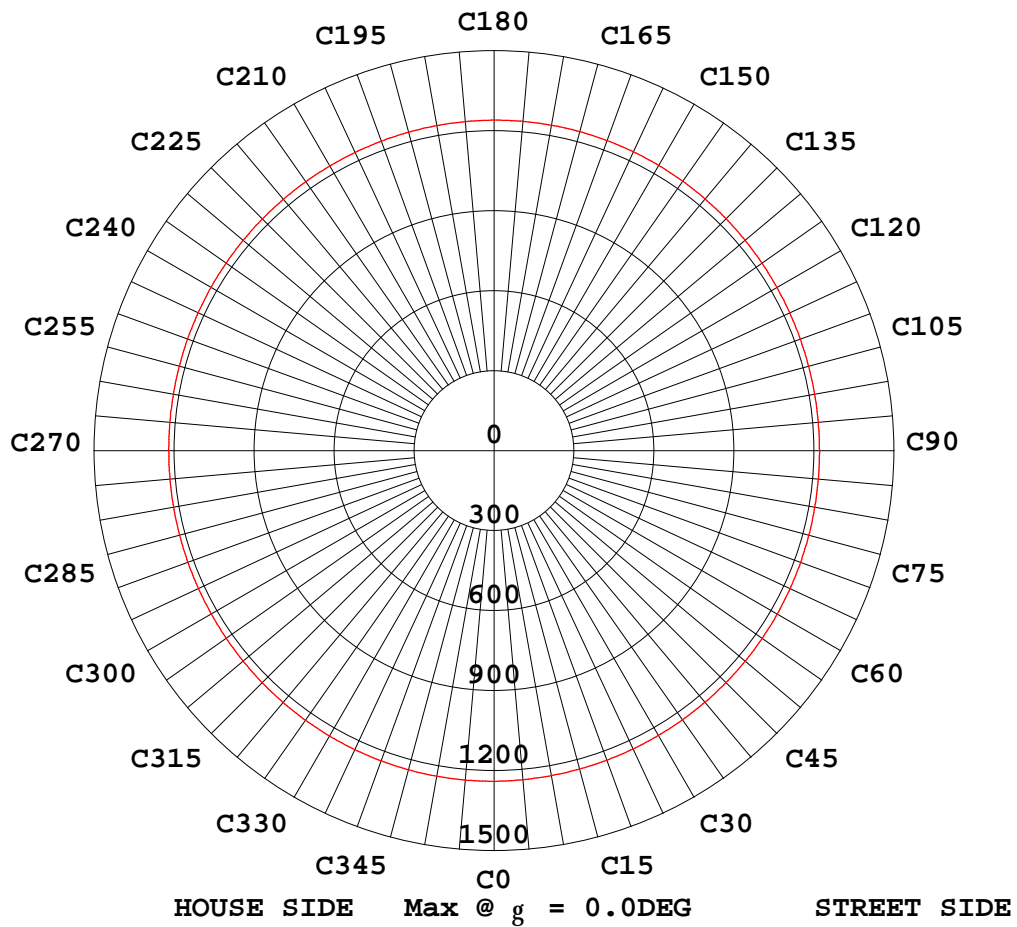
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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-R09W-5CCT-2RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 3000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/01/25

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-2RR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3000</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	1240	1233	1226	1220	1225	1236	1240	1233	1226	1220	1225	1236
5.0	1154	1160	1153	1151	1151	1162	1174	1160	1151	1149	1166	1163
10.0	967	976	970	965	951	976	1001	980	962	966	987	979
15.0	725	732	727	709	701	732	766	747	723	721	743	735
20.0	509	508	510	494	497	524	547	536	512	510	519	519
25.0	343	337	345	328	340	357	378	370	343	345	350	348
30.0	189	189	188	195	176	190	214	212	191	190	196	191
35.0	103	89.9	101	76.7	88.1	93.3	107	112	91.0	95.2	82.2	104
40.0	46.6	37.6	49.0	34.3	41.5	38.3	44.5	54.7	40.1	45.1	36.2	48.4
45.0	29.7	23.8	30.5	23.1	28.5	24.1	25.2	31.3	24.6	29.9	23.6	30.2
50.0	22.2	17.0	22.1	16.2	20.8	16.3	17.1	22.1	16.8	22.3	17.4	22.3
55.0	19.8	15.0	18.7	14.6	18.8	15.1	15.8	19.5	15.1	19.5	15.6	19.6
60.0	16.8	12.3	16.1	12.0	15.6	11.8	12.2	15.6	11.5	15.6	12.7	16.8
65.0	12.2	8.73	12.0	8.80	12.0	8.73	8.84	11.6	7.97	11.5	9.05	12.3
70.0	9.74	6.57	9.74	6.43	9.60	6.61	6.78	9.36	5.67	8.73	7.03	10.0
75.0	7.17	4.38	7.27	4.10	7.06	4.56	4.83	7.17	3.55	6.12	4.76	7.69
80.0	4.90	2.43	4.90	2.15	4.87	2.64	3.13	5.18	1.84	3.93	2.92	5.60
85.0	3.13	0.97	3.23	0.84	3.13	1.07	1.70	3.62	0.97	2.61	1.53	3.86
90.0	2.40	0.59	2.29	0.56	2.26	0.56	0.87	2.43	0.63	2.33	0.63	2.43
95.0	2.26	0.63	2.12	0.56	2.08	0.56	0.91	2.26	0.66	2.15	0.63	2.22
100.0	2.08	0.63	2.01	0.59	1.94	0.59	0.91	2.12	0.66	2.01	0.63	2.08
105.0	1.98	0.66	1.87	0.59	1.84	0.59	0.94	1.98	0.66	1.91	0.63	1.94
110.0	1.87	0.70	1.77	0.63	1.74	0.63	0.94	1.91	0.70	1.81	0.66	1.84
115.0	1.81	0.70	1.70	0.66	1.67	0.66	0.94	1.81	0.70	1.70	0.66	1.74
120.0	1.74	0.73	1.63	0.66	1.60	0.66	0.97	1.70	0.73	1.63	0.66	1.67
125.0	1.70	0.80	1.60	0.70	1.56	0.70	1.00	1.63	0.73	1.56	0.70	1.60
130.0	1.67	0.87	1.56	0.80	1.53	0.77	1.07	1.60	0.80	1.53	0.77	1.56
135.0	1.70	1.00	1.60	0.91	1.56	0.91	1.21	1.63	0.91	1.56	0.84	1.60
140.0	1.84	1.18	1.70	1.07	1.67	1.07	1.39	1.70	1.04	1.63	0.97	1.67
145.0	1.98	1.42	1.84	1.32	1.84	1.32	1.60	1.87	1.28	1.77	1.21	1.84
150.0	2.22	1.70	2.08	1.60	2.05	1.60	1.87	2.05	1.56	1.98	1.49	2.05
155.0	2.54	2.05	2.36	1.94	2.33	1.94	2.22	2.36	1.91	2.26	1.84	2.33
160.0	2.81	2.43	2.68	2.29	2.64	2.29	2.64	2.64	2.26	2.57	2.19	2.64
165.0	3.13	2.74	2.99	2.64	2.92	2.64	2.99	2.99	2.61	2.92	2.54	2.95
170.0	3.41	3.02	3.20	2.92	3.16	2.92	3.30	3.23	2.88	3.20	2.85	3.20
175.0	3.55	3.20	3.34	3.09	3.02	3.37	3.55	3.41	3.06	3.37	3.02	3.37
180.0	3.65	3.48	3.13	3.41	3.06	3.41	3.65	3.48	3.13	3.41	3.06	3.41

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/25

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