

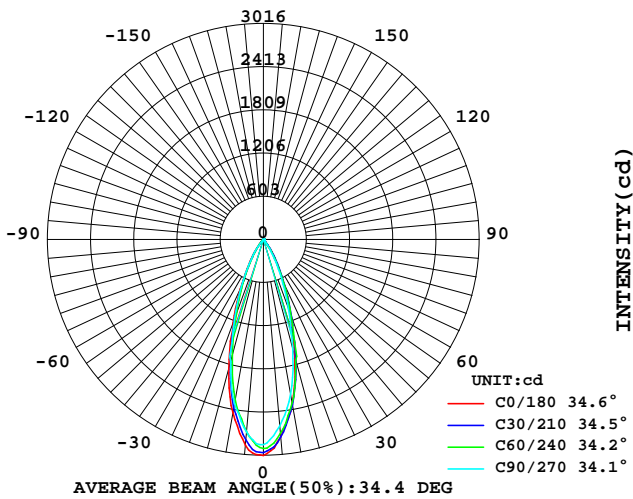
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

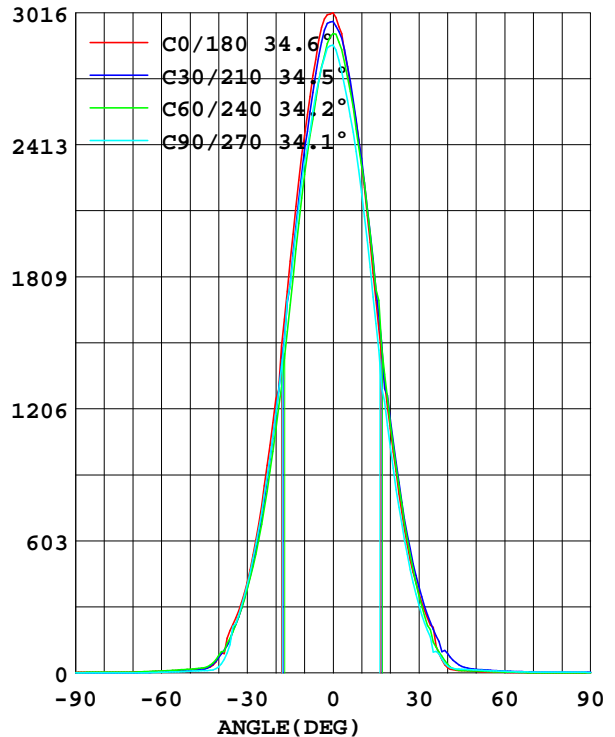
MANUFACTURER:			
Address:			
NAME: JXL-COB04-S15W-5CCT-4SR-BF-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	3016	S/MH(C0/180)	0.58
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.59
NOMINAL POWER(W)	15	TOTAL FLUX(lm)	1208.8	Voltage(V)	120.6
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	81.8	Current(A)	0.124
NOMINAL FLUX(lm)	1208.8	h up(%)	1.1	Power(W)	14.78
LAMPS QUANTITY	1	h down(%)	98.9	Power Factor(PF)	0.986
TEST VOLTAGE(V)	120.7	Effective Flux(lm)	1208.8	EET	0.165

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



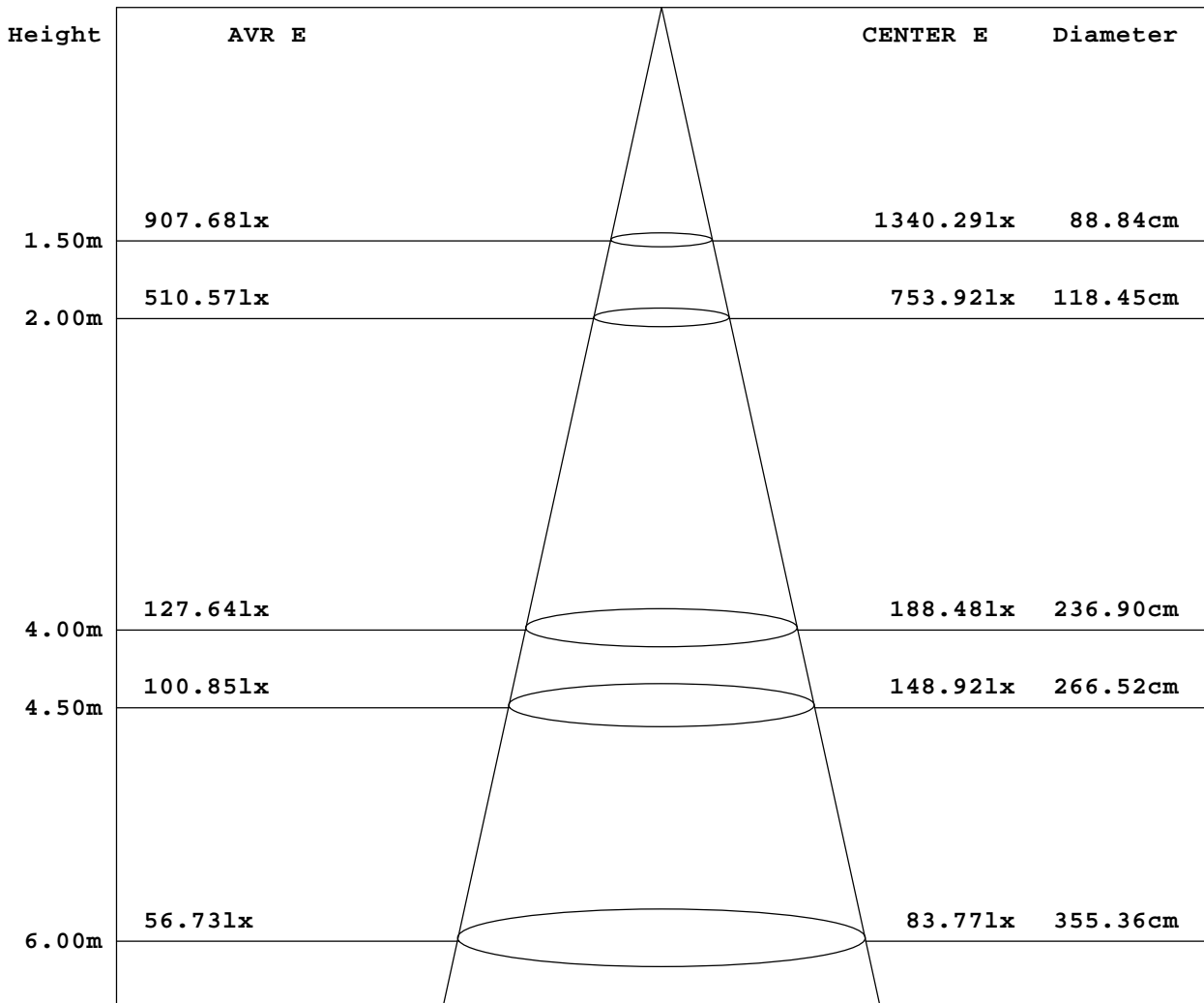
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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-S15W-5CCT-4SR-BF-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Angle: 33.0deg

Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/02/01

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-S15W-5CCT-4SR-BF-BK		<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	tStal
5.0	2888	2758	2704	2714	2770	2746	2617	2743	0- 5	67.82	67.82
10.0	2456	2335	2335	2331	2327	2334	2195	2319	5- 10	180.2	248.0
15.0	1881	1726	1769	1746	1703	1751	1596	1735	10- 15	240.3	488.4
20.0	1249	1143	1181	1158	1117	1145	1030	1122	15- 20	233.3	721.8
25.0	763.3	693.8	730.8	714.4	657.1	692.1	607.7	666.7	20- 25	188.3	910.2
30.0	414.4	387.0	404.7	412.6	365.3	374.6	311.8	361.0	25- 30	132.0	1042
35.0	221.9	190.4	212.6	212.1	208.1	170.2	95.27	171.7	30- 35	80.58	1123
40.0	73.83	73.43	27.53	79.07	24.36	64.22	31.36	71.58	35- 40	37.17	1160
45.0	21.02	20.79	10.93	20.59	10.75	20.62	16.81	20.29	40- 45	12.60	1173
50.0	15.97	14.32	8.389	13.33	7.658	13.17	13.43	12.86	45- 50	6.117	1179
55.0	11.24	10.44	4.977	8.772	4.177	9.485	9.607	9.503	50- 55	4.671	1183
60.0	8.424	6.631	3.724	5.552	3.167	6.248	7.623	6.109	55- 60	3.356	1187
65.0	5.639	4.403	1.357	3.811	1.496	4.438	5.082	4.107	60- 65	2.426	1189
70.0	4.455	2.506	0.975	2.488	1.392	2.697	4.246	2.680	65- 70	1.579	1191
75.0	3.863	2.193	0.801	2.193	1.218	2.401	3.724	2.384	70- 75	1.295	1192
80.0	3.446	2.001	0.731	1.966	1.148	2.210	3.341	2.175	75- 80	1.186	1193
85.0	3.098	1.862	0.696	1.844	1.113	2.071	3.063	2.036	80- 85	1.107	1194
90.0	2.854	1.740	0.696	1.723	1.148	1.949	2.889	1.914	85- 90	1.045	1195
95.0	2.680	1.670	0.731	1.653	1.148	1.862	2.715	1.827	90- 95	0.994	1196
100.0	2.506	1.601	0.731	1.601	1.183	1.775	2.541	1.757	95-100	0.944	1197
105.0	2.401	1.549	0.766	1.531	1.183	1.705	2.401	1.670	100-105	0.893	1198
110.0	2.262	1.514	0.801	1.496	1.183	1.636	2.262	1.618	105-110	0.841	1199
115.0	2.158	1.479	0.835	1.462	1.183	1.583	2.158	1.549	110-115	0.788	1200
120.0	2.088	1.462	0.870	1.444	1.218	1.531	2.018	1.496	115-120	0.738	1201
125.0	2.018	1.479	0.940	1.462	1.287	1.514	1.949	1.479	120-125	0.693	1201
130.0	2.053	1.566	1.079	1.531	1.427	1.549	1.949	1.549	125-130	0.666	1202
135.0	2.158	1.740	1.287	1.705	1.670	1.705	2.053	1.705	130-135	0.666	1203
140.0	2.436	2.053	1.601	2.001	2.053	2.001	2.297	2.018	135-140	0.695	1203
145.0	2.854	2.558	2.123	2.471	2.610	2.419	2.715	2.454	140-145	0.753	1204
150.0	3.446	3.202	2.784	3.098	3.306	3.028	3.237	3.080	145-150	0.825	1205
155.0	4.142	3.950	3.550	3.829	4.177	3.776	3.968	3.829	150-155	0.884	1206
160.0	4.977	4.751	4.351	4.629	5.047	4.577	4.768	4.647	155-160	0.897	1207
165.0	5.743	5.482	5.151	5.395	5.952	5.378	5.569	5.395	160-165	0.837	1207
170.0	6.439	6.109	5.778	5.987	6.648	6.039	6.230	6.022	165-170	0.687	1208
175.0	6.962	6.526	6.265	6.439	7.170	6.492	6.648	6.439	170-175	0.454	1209
180.0	7.205	6.596	6.787	6.613	7.344	6.683	6.787	6.613	175-180	0.159	1209
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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

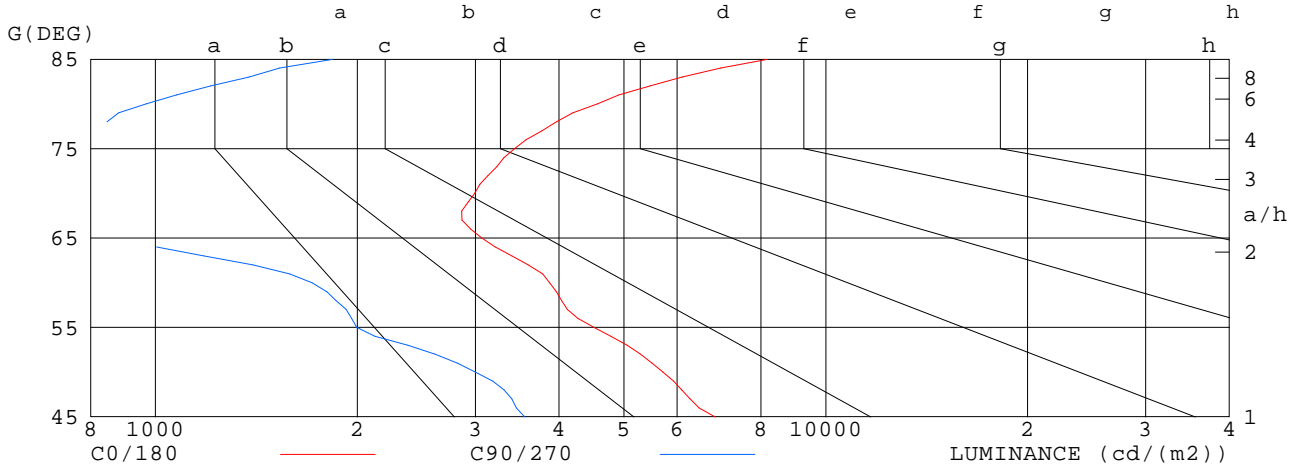
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-S15W-5CCT-4SR-BF-BK</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	<=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



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	8172	1836
80	4562	968
75	3432	711
70	2995	655
65	3067	738
60	3873	1712
55	4506	1995
50	5714	3000
45	6835	3554

**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/01

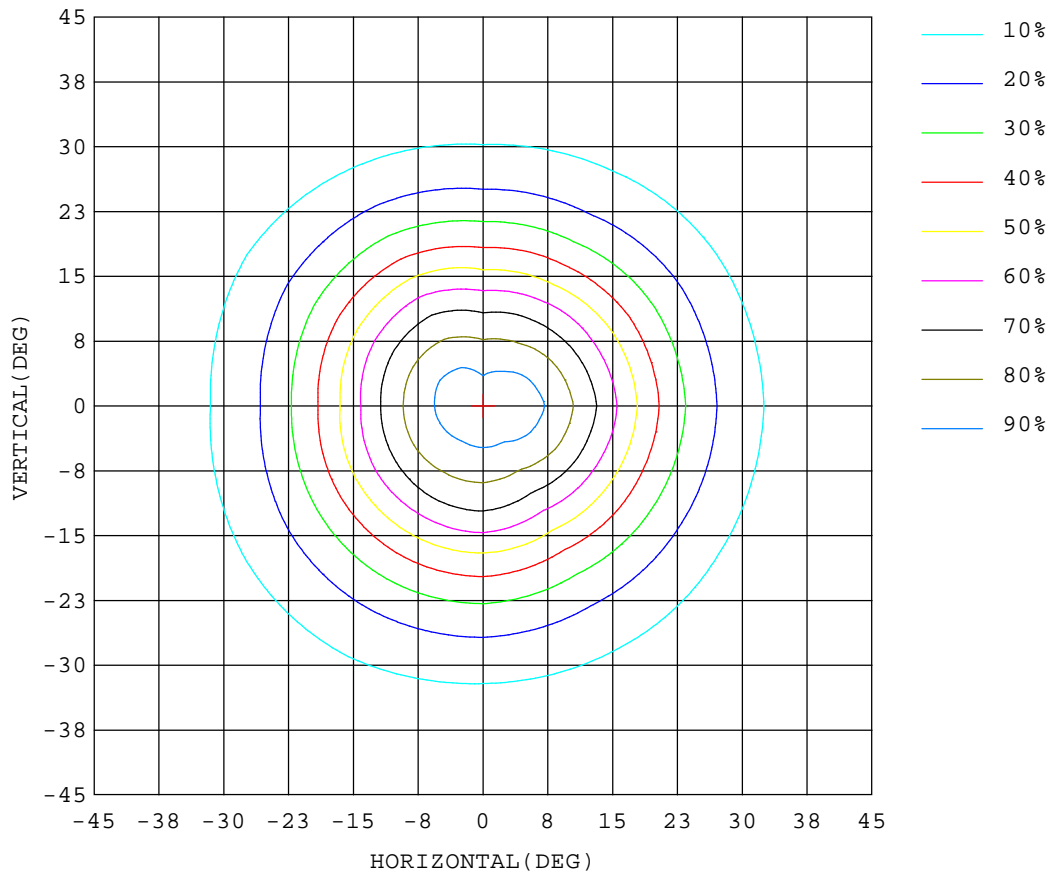
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-S15W-5CCT-4SR-BF-BK</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



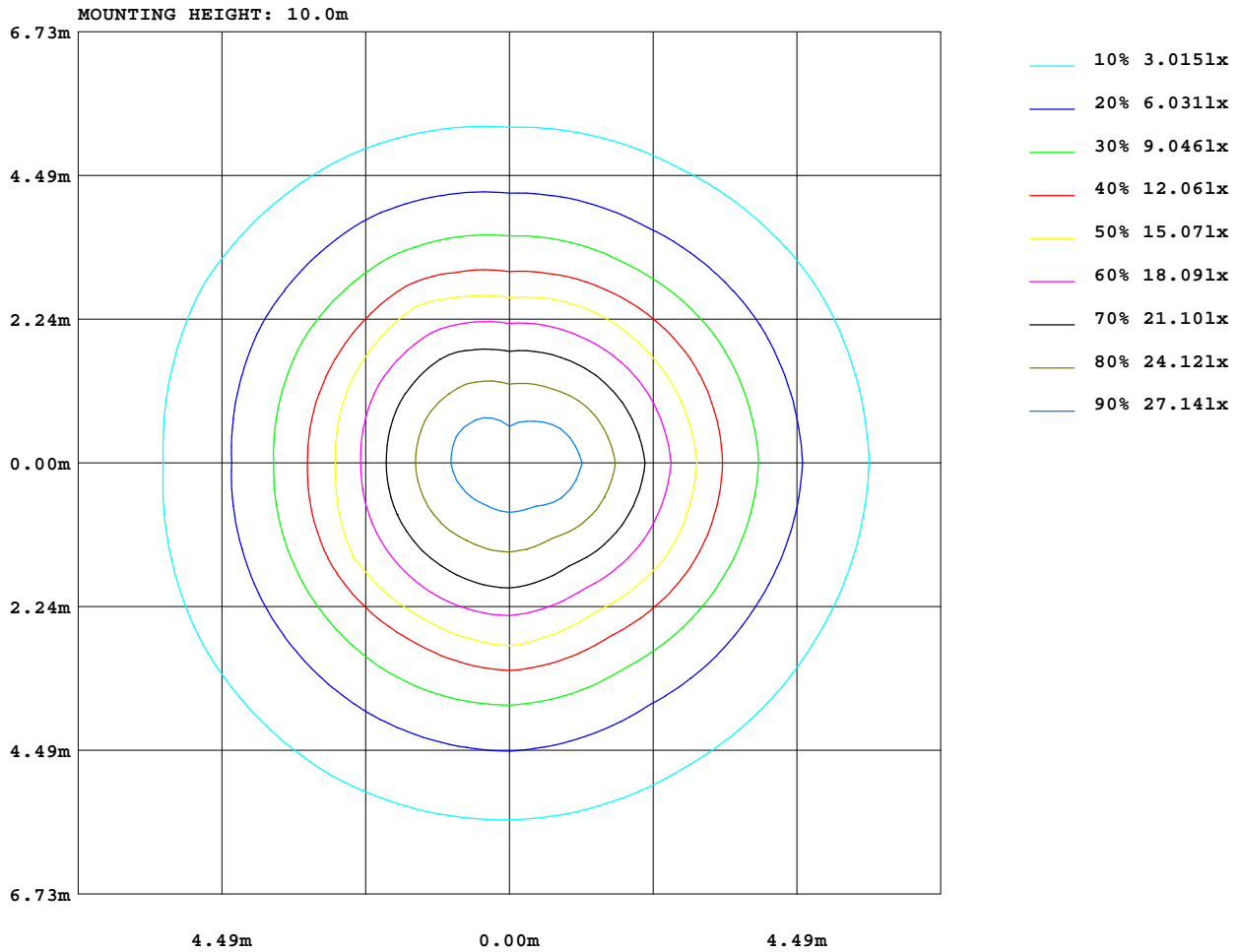
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/01

**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-COB04-S15W-5CCT-4SR-BF-BK</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:**2024/02/01

**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-S15W-5CCT-4SR-BF-BK</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	0.05	0.07	0.07	0.08	0.08	0.09	0.12	0.14	0.16	0.17	0.17	0.15	0.12	0.09	0.08	0.07	0.06	0.05	1.81	1.81	
40	0.07	0.08	0.10	0.12	0.16	0.24	0.39	0.51	0.55	0.55	0.52	0.43	0.31	0.21	0.13	0.10	0.08	0.07	4.62	4.62	
35	0.09	0.11	0.17	0.30	0.51	0.82	1.18	1.47	1.60	1.59	1.45	1.18	0.83	0.55	0.34	0.17	0.11	0.08	12.5	12.5	
30	0.10	0.18	0.37	0.67	1.21	1.89	2.62	3.19	3.43	3.37	3.05	2.47	1.84	1.21	0.70	0.38	0.16	0.10	26.9	26.9	
25	0.11	0.28	0.65	1.29	2.21	3.42	4.76	5.77	6.17	6.05	5.43	4.36	3.24	2.15	1.29	0.67	0.27	0.11	48.2	48.2	
20	0.13	0.36	0.97	2.00	3.42	5.32	7.46	9.25	9.95	9.75	8.79	7.06	5.14	3.37	1.97	1.02	0.42	0.14	76.5	76.5	
15	0.14	0.43	1.33	2.63	4.63	7.37	10.5	13.6	14.6	14.4	13.0	10.3	7.40	4.75	2.70	1.42	0.56	0.17	110	110	
10	0.13	0.49	1.61	3.11	5.59	9.03	13.3	17.0	18.5	18.3	16.8	13.5	9.48	5.99	3.37	1.73	0.71	0.20	139	139	
5	0.10	0.53	1.74	3.35	6.10	10.0	14.8	18.9	21.3	21.3	19.4	15.6	10.8	6.82	3.80	1.93	0.81	0.21	158	158	
0	0.09	0.53	1.75	3.35	6.09	10.0	14.8	18.8	21.1	21.5	19.5	15.7	10.8	6.81	3.80	1.92	0.80	0.20	158	158	
-5	0.10	0.49	1.64	3.14	5.57	9.07	13.3	16.9	18.8	18.7	16.9	13.6	9.49	5.98	3.36	1.72	0.68	0.18	140	140	
-10	0.10	0.40	1.37	2.68	4.64	7.35	10.5	13.5	15.3	15.2	13.1	10.4	7.45	4.74	2.70	1.38	0.51	0.14	112	112	
-15	0.08	0.30	1.01	2.08	3.54	5.44	7.65	9.56	10.9	10.8	9.27	7.35	5.32	3.43	1.96	0.96	0.35	0.11	80.2	80.2	
-20	0.07	0.18	0.64	1.44	2.45	3.71	5.10	6.32	7.05	6.96	6.07	4.78	3.50	2.28	1.28	0.59	0.20	0.09	52.7	52.7	
-25	0.06	0.11	0.32	0.82	1.52	2.31	3.11	3.79	4.19	4.13	3.63	2.89	2.09	1.34	0.72	0.32	0.11	0.07	31.5	31.5	
-30	0.05	0.08	0.15	0.36	0.77	1.25	1.67	2.02	2.20	2.16	1.92	1.51	1.07	0.67	0.35	0.15	0.08	0.06	16.5	16.5	
-35	0.04	0.07	0.10	0.15	0.29	0.48	0.62	0.70	0.71	0.69	0.64	0.55	0.44	0.27	0.15	0.10	0.07	0.05	6.13	6.13	
-40	0.03	0.05	0.08	0.11	0.14	0.17	0.18	0.18	0.15	0.14	0.17	0.18	0.16	0.14	0.11	0.09	0.06	0.04	2.18	2.18	
-45																					
	-45	-40	-35	-30	-25	-20	-15	-10	0	10	15	20	25	30	35	40	45				
$\Phi$ t	1.54	4.74	14.0	27.7	48.9	78.0	112	142	157	156	140	112	79.6	50.8	28.8	14.7	6.07	2.06	1209		
$\Phi$ a	1.54	4.74	14.0	27.7	48.9	78.0	112	142	157	156	140	112	79.6	50.8	28.8	14.7	6.07	2.06			1209

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

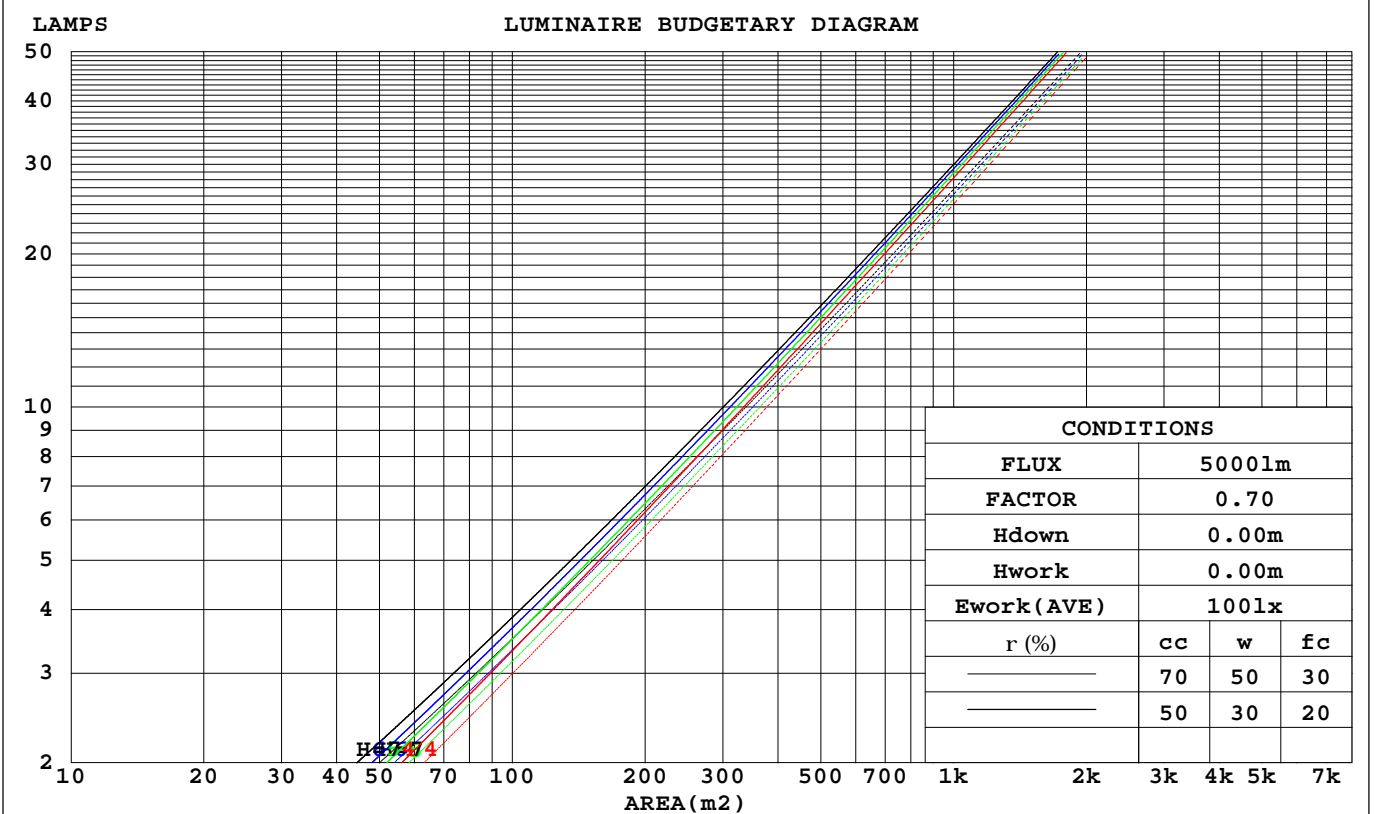
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-S15W-5CCT-4SR-BF-BK		<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
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	1.06	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	.99	.99	.98	.97	.96	.94
2.0	1.05	1.01	.99	1.03	1.00	.97	.99	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.90	.88	.86	.85
4.0	.94	.89	.86	.93	.89	.85	.91	.87	.84	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77
6.0	.85	.80	.77	.85	.80	.76	.83	.79	.76	.82	.78	.75	.80	.77	.75	.73
7.0	.82	.77	.73	.81	.76	.73	.80	.75	.72	.78	.75	.72	.77	.74	.71	.70
8.0	.78	.73	.70	.78	.73	.69	.76	.72	.69	.75	.72	.69	.74	.71	.68	.67
9.0	.75	.70	.67	.74	.70	.66	.73	.69	.66	.73	.69	.66	.72	.68	.66	.65
10.0	.72	.67	.64	.71	.67	.64	.71	.66	.63	.70	.66	.63	.69	.66	.63	.62



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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-S15W-5CCT-4SR-BF-BK		<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	.159	.091	.029	.152	.087	.028	.139	.080	.026	.127	.073	.024	.116	.067	.022	
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.122	.069	.021	.113	.064	.020	
3.0	.140	.075	.022	.136	.073	.022	.126	.068	.021	.118	.064	.020	.110	.061	.019	
4.0	.133	.069	.020	.128	.067	.020	.120	.064	.019	.113	.061	.018	.106	.058	.018	
5.0	.126	.064	.019	.122	.063	.018	.115	.060	.018	.109	.057	.017	.103	.055	.016	
6.0	.120	.060	.017	.116	.059	.017	.110	.057	.016	.105	.054	.016	.099	.052	.016	
7.0	.114	.056	.016	.111	.055	.016	.106	.054	.015	.101	.052	.015	.096	.050	.015	
8.0	.109	.053	.015	.106	.052	.015	.102	.051	.015	.097	.049	.014	.093	.048	.014	
9.0	.104	.051	.014	.102	.050	.014	.098	.048	.014	.094	.047	.013	.090	.046	.013	
10.0	.100	.048	.013	.098	.047	.013	.094	.046	.013	.091	.045	.013	.087	.044	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.178	.166	.155	.153	.142	.133	.104	.098	.092	.060	.057	.054	.019	.018	.017	
2.0	.162	.141	.124	.139	.122	.107	.095	.084	.075	.055	.049	.044	.018	.016	.014	
3.0	.148	.122	.101	.127	.105	.088	.087	.073	.062	.050	.043	.036	.016	.014	.012	
4.0	.137	.107	.084	.117	.093	.073	.081	.064	.052	.047	.038	.031	.015	.012	.010	
5.0	.127	.095	.071	.109	.082	.062	.075	.057	.044	.044	.034	.026	.014	.011	.009	
6.0	.119	.086	.061	.102	.074	.053	.071	.052	.038	.041	.030	.022	.013	.010	.007	
7.0	.112	.078	.054	.096	.067	.047	.067	.047	.033	.039	.028	.020	.013	.009	.007	
8.0	.106	.071	.047	.091	.062	.041	.063	.043	.029	.037	.026	.017	.012	.008	.006	
9.0	.101	.066	.042	.087	.057	.037	.060	.040	.026	.035	.024	.016	.011	.008	.005	
10.0	.096	.061	.038	.083	.053	.033	.057	.037	.024	.034	.022	.014	.011	.007	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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-COB04-S15W-5CCT-4SR-BF-BK						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	14.8	15.6	15.1	15.8	16.0	14.9	15.7	15.1	15.8	16.0
3H	14.8	15.5	15.0	15.7	15.9	14.7	15.5	15.0	15.7	15.9
4H	14.8	15.5	15.1	15.7	15.9	14.7	15.4	15.0	15.6	15.8
6H	14.8	15.5	15.1	15.7	16.0	14.6	15.3	14.9	15.5	15.8
8H	14.9	15.5	15.2	15.8	16.1	14.6	15.2	14.9	15.5	15.8
12H	15.1	15.7	15.4	15.9	16.2	14.6	15.2	14.9	15.5	15.7
4H 2H	14.7	15.3	14.9	15.6	15.8	14.7	15.4	15.0	15.6	15.8
3H	14.6	15.2	14.9	15.5	15.7	14.6	15.2	14.9	15.5	15.8
4H	14.6	15.1	14.9	15.4	15.8	14.6	15.1	14.9	15.4	15.8
6H	14.7	15.2	15.1	15.5	15.9	14.6	15.1	15.0	15.4	15.8
8H	14.8	15.2	15.2	15.6	16.0	14.6	15.0	15.0	15.4	15.8
12H	15.1	15.5	15.5	15.9	16.3	14.6	15.0	15.0	15.4	15.8
8H 4H	14.5	14.9	14.9	15.3	15.7	14.5	14.9	14.9	15.3	15.7
6H	14.6	14.9	15.0	15.4	15.8	14.6	15.0	15.0	15.4	15.8
8H	14.7	15.1	15.2	15.5	16.0	14.7	15.0	15.2	15.5	15.9
12H	15.1	15.3	15.5	15.8	16.3	14.8	15.1	15.3	15.6	16.1
12H 4H	14.4	14.8	14.9	15.2	15.6	14.4	14.8	14.9	15.2	15.6
6H	14.6	14.9	15.0	15.3	15.8	14.6	14.9	15.0	15.3	15.8
8H	14.7	15.0	15.2	15.5	16.0	14.7	15.0	15.2	15.5	16.0
Variations with the observer position at spacings:										
S = 1.0H	+ 4.0 / - 4.2					+ 1.9 / - 3.0				
1.5H	+ 6.4 / - 4.1					+ 3.9 / - 3.2				
2.0H	+ 1.6 / - 1.5					+ 0.9 / - 1.5				

CIE Pub.117 Corrected 1209 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.7)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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-S15W-5CCT-4SR-BF-BK		<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	89	83	80	89	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	104	102	99	94
2.50	110	107	104	109	105	103	105	103	101	95
3.00	112	109	106	110	107	105	106	104	102	96
4.00	114	111	109	112	109	108	108	106	105	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			

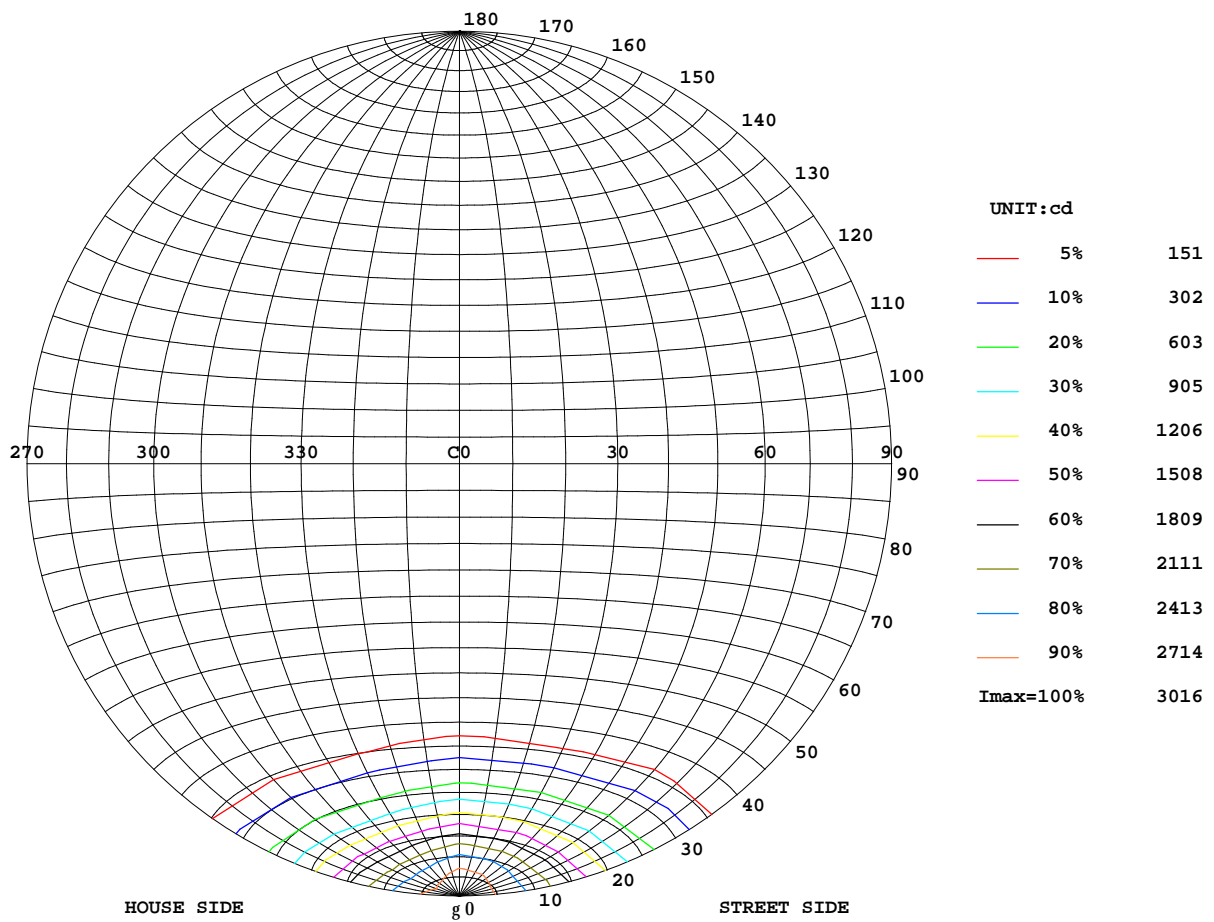
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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-S15W-5CCT-4SR-BF-BK</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:2024/02/01

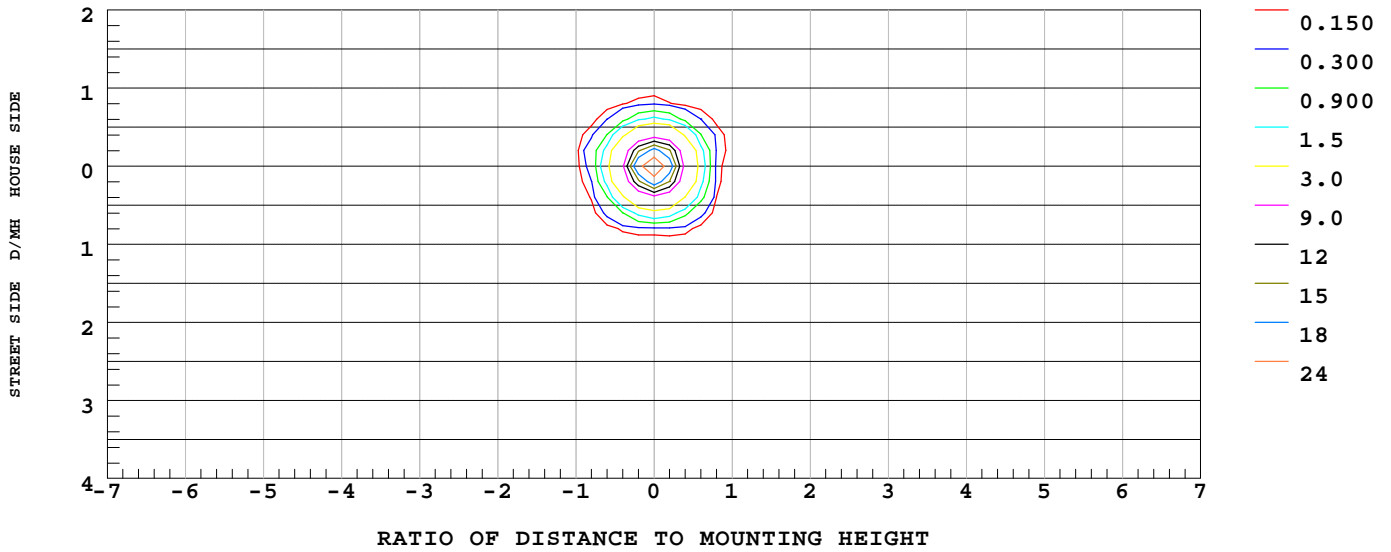
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-S15W-5CCT-4SR-BF-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 30.16 lx



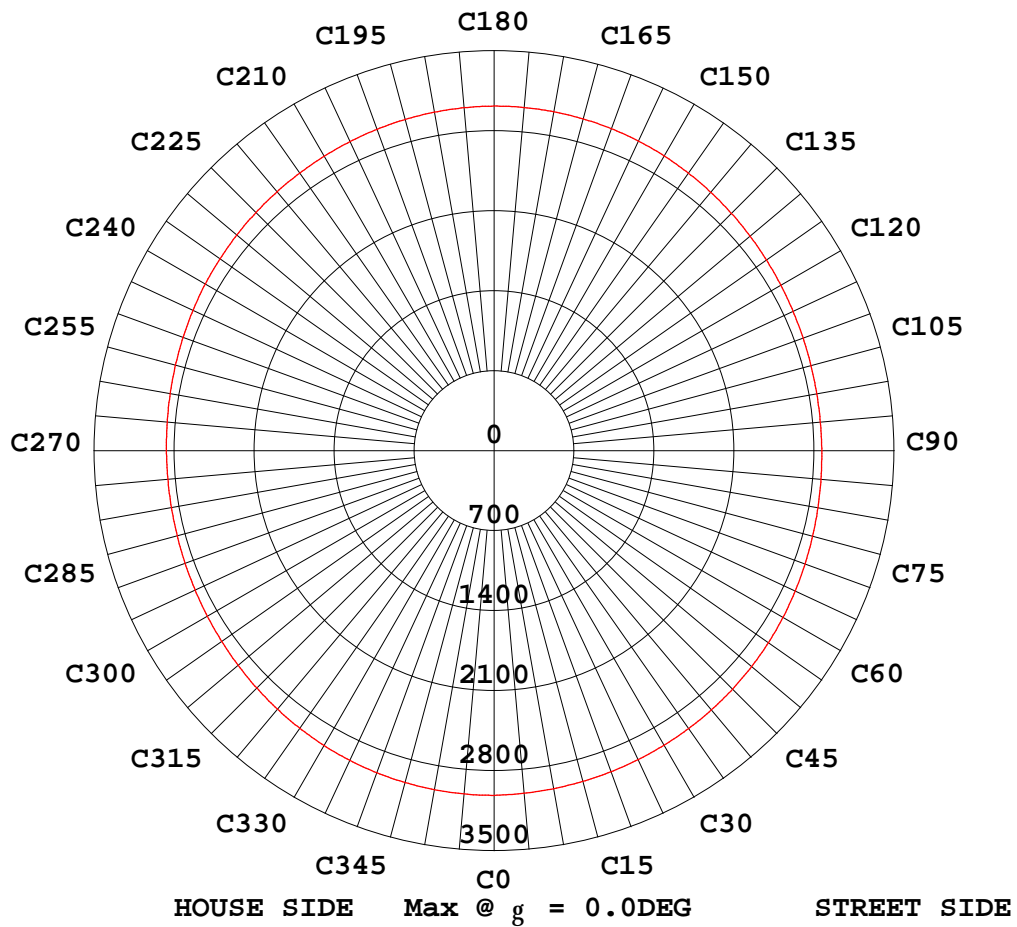
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/01

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-S15W-5CCT-4SR-BF-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024/02/01

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-S15W-5CCT-4SR-BF-BK</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	3016	2975	2919	2868	2898	2979	3016	2975	2919	2868	2898	2979
5.0	2888	2816	2700	2704	2699	2729	2770	2771	2721	2617	2683	2804
10.0	2456	2393	2277	2335	2322	2339	2327	2349	2318	2195	2266	2372
15.0	1881	1772	1680	1769	1749	1744	1703	1750	1752	1596	1701	1769
20.0	1249	1177	1109	1181	1171	1144	1117	1155	1135	1030	1062	1181
25.0	763	709	679	731	728	701	657	701	683	608	619	714
30.0	414	390	384	405	419	406	365	395	354	312	333	389
35.0	222	194	187	213	216	209	208	200	141	95.2	143	201
40.0	73.8	69.2	77.6	27.5	87.0	71.0	24.3	87.9	40.5	31.3	51.6	91.4
45.0	21.0	17.4	24.1	10.9	24.5	16.6	10.7	29.7	11.4	16.8	15.5	24.9
50.0	15.9	11.1	17.5	8.38	16.7	9.95	7.65	16.9	9.36	13.4	9.60	16.1
55.0	11.2	7.76	13.1	4.97	11.8	5.70	4.17	12.5	6.43	9.60	6.99	12.0
60.0	8.42	4.07	9.18	3.72	7.93	3.16	3.16	8.28	4.21	7.62	3.72	8.49
65.0	5.63	2.29	6.50	1.35	5.98	1.63	1.49	6.37	2.50	5.08	2.05	6.16
70.0	4.45	0.87	4.14	0.97	4.10	0.87	1.39	4.31	1.07	4.24	0.97	4.38
75.0	3.86	0.77	3.62	0.80	3.62	0.77	1.21	3.82	0.97	3.72	0.91	3.86
80.0	3.44	0.73	3.27	0.73	3.23	0.70	1.14	3.51	0.91	3.34	0.87	3.48
85.0	3.09	0.73	2.99	0.70	2.99	0.70	1.11	3.23	0.91	3.06	0.87	3.20
90.0	2.85	0.73	2.74	0.70	2.74	0.70	1.14	2.99	0.91	2.88	0.87	2.95
95.0	2.68	0.77	2.57	0.73	2.57	0.73	1.14	2.81	0.91	2.71	0.87	2.78
100.0	2.50	0.77	2.43	0.73	2.43	0.77	1.18	2.64	0.91	2.54	0.91	2.61
105.0	2.40	0.80	2.29	0.77	2.29	0.77	1.18	2.50	0.91	2.40	0.87	2.47
110.0	2.26	0.84	2.19	0.80	2.19	0.80	1.18	2.36	0.91	2.26	0.91	2.33
115.0	2.15	0.87	2.08	0.84	2.08	0.84	1.18	2.22	0.94	2.15	0.91	2.19
120.0	2.08	0.94	1.98	0.87	1.98	0.91	1.21	2.12	0.94	2.01	0.91	2.08
125.0	2.01	1.00	1.94	0.94	1.94	0.97	1.28	2.05	0.97	1.94	0.94	2.01
130.0	2.05	1.14	1.98	1.07	1.94	1.11	1.42	2.01	1.07	1.94	1.07	2.01
135.0	2.15	1.39	2.08	1.28	2.05	1.35	1.67	2.12	1.28	2.05	1.28	2.12
140.0	2.43	1.77	2.33	1.60	2.26	1.74	2.05	2.36	1.63	2.29	1.67	2.36
145.0	2.85	2.33	2.78	2.12	2.68	2.26	2.61	2.74	2.08	2.71	2.15	2.74
150.0	3.44	3.02	3.37	2.78	3.23	2.95	3.30	3.30	2.74	3.23	2.81	3.34
155.0	4.14	3.82	4.07	3.55	3.89	3.75	4.17	4.03	3.51	3.96	3.62	4.03
160.0	4.97	4.66	4.83	4.35	4.66	4.59	5.04	4.80	4.35	4.76	4.45	4.83
165.0	5.74	5.39	5.56	5.15	5.39	5.39	5.95	5.60	5.15	5.56	5.22	5.56
170.0	6.43	6.05	6.16	5.77	5.98	5.98	6.64	6.26	5.81	6.23	5.84	6.19
175.0	6.96	6.47	6.57	6.26	6.23	6.64	7.17	6.71	6.26	6.64	6.23	6.64
180.0	7.20	6.71	6.47	6.78	6.37	6.85	7.34	6.89	6.47	6.78	6.37	6.85

**Test System:HOPOO HPG1800**  
**Temperature:25.3DEG**  
**Operators:**  
**Test Date:2024/02/01**

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