

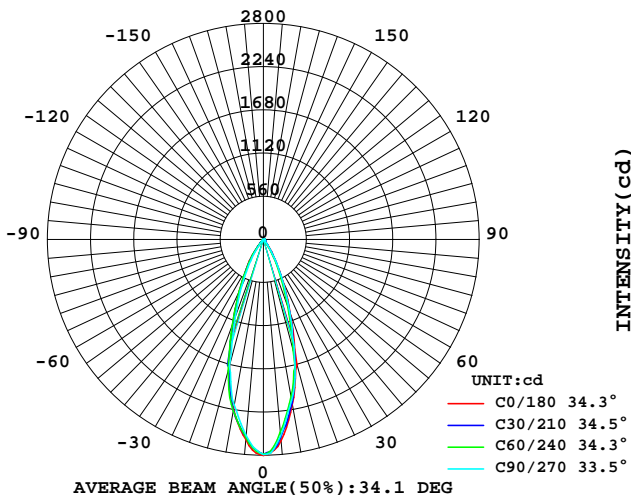
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

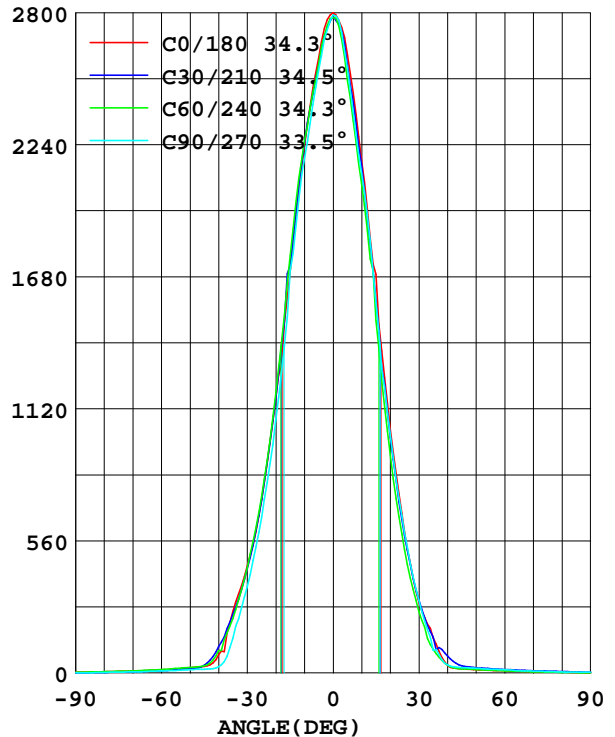
<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-S15W-5CCT-4SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 2700	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

<b>DATA OF LAMP</b>		<b>Imax(cd)</b>	2800	<b>S/MH(C0/180)</b>	0.58
<b>MODEL</b>		<b>EFFICIENCY(%)</b>	100.0	<b>S/MH(C90/270)</b>	0.57
<b>NOMINAL POWER(W)</b>	15	<b>TOTAL FLUX(lm)</b>	1159.8	<b>Voltage(V)</b>	120.3
<b>RATED VOLTAGE(V)</b>	120	<b>EFFICIENCY(lm/W)</b>	77.0	<b>Current(A)</b>	0.126
<b>NOMINAL FLUX(lm)</b>	1159.8	<b>h up(%)</b>	1.2	<b>Power(W)</b>	15.06
<b>LAMPS QUANTITY</b>	1	<b>h down(%)</b>	98.8	<b>Power Factor(PF)</b>	0.986
<b>TEST VOLTAGE(V)</b>	120.3	<b>Effictive Flux(lm)</b>	1159.8	<b>EEL</b>	0.174

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



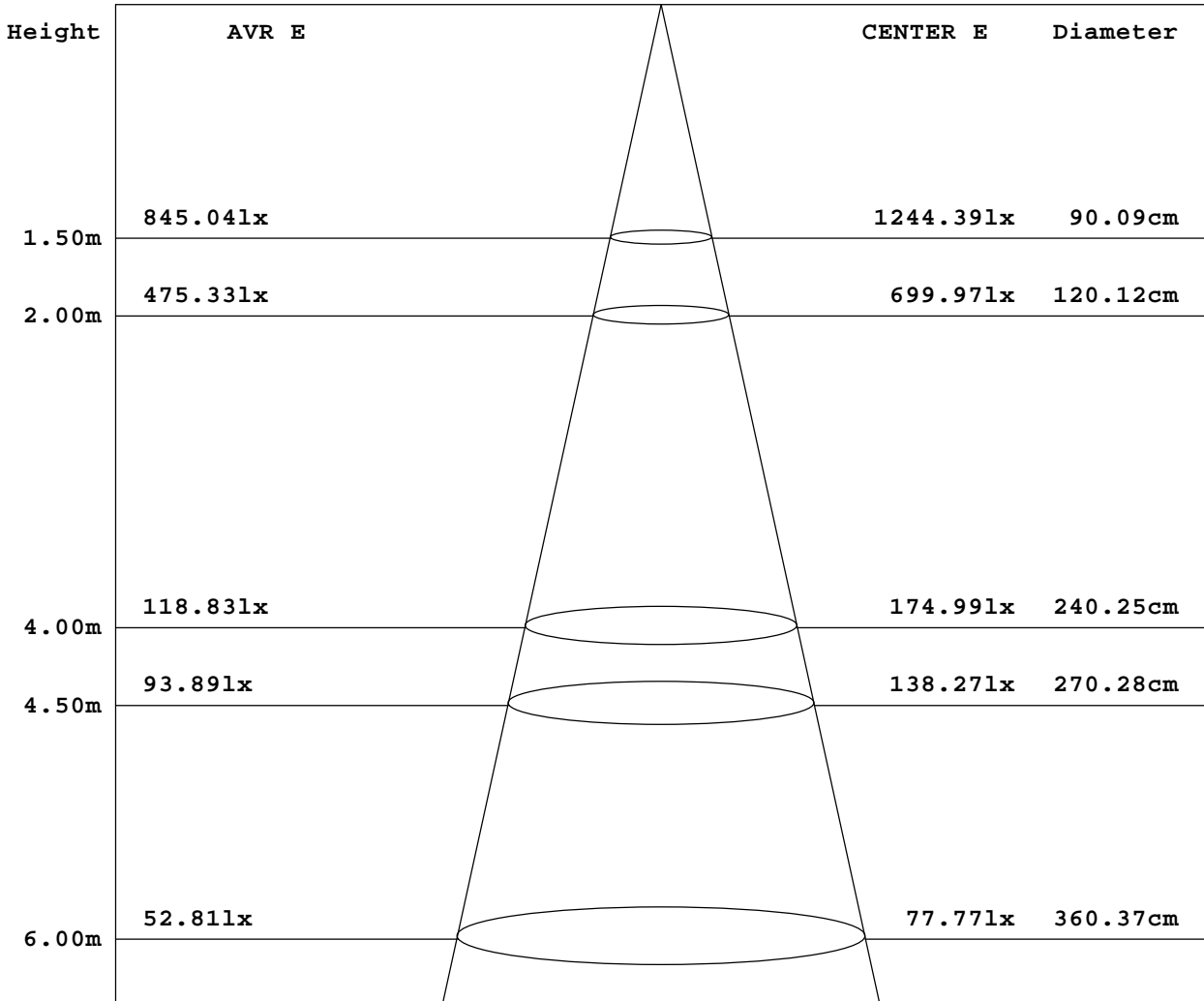
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02/

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-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:



Angle: 33.4deg

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

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-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	tTotal
5.0	2608	2578	2557	2570	2620	2544	2562	2575	0- 5	64.06	64.06
10.0	2235	2254	2185	2163	2174	2114	2121	2165	5- 10	168.7	232.8
15.0	1703	1748	1705	1618	1690	1534	1569	1616	10- 15	226.0	458.8
20.0	1167	1173	1073	1059	1029	960.7	1006	1065	15- 20	218.4	677.3
25.0	736.7	742.3	659.6	633.1	600.4	554.6	597.0	655.4	20- 25	175.3	852.6
30.0	453.7	444.4	366.7	352.9	300.4	286.1	308.1	373.9	25- 30	124.2	976.9
35.0	260.6	240.6	147.8	170.2	147.6	125.9	96.00	183.5	30- 35	77.30	1054
40.0	77.24	102.3	26.14	74.07	32.12	52.16	34.00	75.88	35- 40	36.93	1091
45.0	28.43	31.62	16.08	26.21	17.23	24.17	23.00	28.12	40- 45	14.89	1106
50.0	23.04	21.32	14.02	19.19	14.16	18.43	19.77	19.82	45- 50	8.701	1115
55.0	16.36	16.70	10.65	15.43	11.06	14.89	16.04	15.56	50- 55	7.382	1122
60.0	13.78	12.00	9.015	11.95	9.572	11.99	13.78	11.83	55- 60	6.114	1128
65.0	10.40	9.572	6.022	9.642	7.136	9.572	9.711	9.485	60- 65	5.132	1133
70.0	8.528	6.822	4.699	7.223	5.987	7.257	8.041	6.840	65- 70	4.021	1137
75.0	6.857	5.517	3.515	5.882	4.838	5.813	6.196	5.499	70- 75	3.280	1141
80.0	5.012	3.950	2.227	4.403	3.515	4.351	4.316	4.194	75- 80	2.575	1143
85.0	3.411	2.732	1.113	2.958	2.123	3.063	3.237	2.993	80- 85	1.840	1145
90.0	2.993	1.914	0.696	1.844	1.079	2.001	2.958	2.036	85- 90	1.268	1146
95.0	2.784	1.757	0.731	1.705	1.113	1.879	2.784	1.897	90- 95	1.025	1147
100.0	2.610	1.653	0.766	1.636	1.113	1.810	2.610	1.792	95-100	0.968	1148
105.0	2.471	1.618	0.766	1.566	1.148	1.723	2.471	1.705	100-105	0.914	1149
110.0	2.332	1.549	0.801	1.531	1.148	1.653	2.297	1.636	105-110	0.858	1150
115.0	2.227	1.531	0.835	1.479	1.148	1.583	2.193	1.583	110-115	0.804	1151
120.0	2.123	1.496	0.870	1.462	1.183	1.549	2.088	1.514	115-120	0.750	1152
125.0	2.088	1.496	0.940	1.496	1.253	1.549	1.984	1.514	120-125	0.705	1152
130.0	2.088	1.566	1.079	1.566	1.392	1.618	1.984	1.566	125-130	0.678	1153
135.0	2.158	1.705	1.287	1.740	1.636	1.810	2.053	1.705	130-135	0.673	1154
140.0	2.401	1.966	1.636	2.018	2.018	2.088	2.297	1.984	135-140	0.696	1154
145.0	2.749	2.367	2.123	2.454	2.506	2.541	2.680	2.401	140-145	0.746	1155
150.0	3.272	2.958	2.784	3.045	3.202	3.150	3.237	2.976	145-150	0.810	1156
155.0	3.968	3.672	3.550	3.776	3.968	3.881	3.898	3.689	150-155	0.862	1157
160.0	4.699	4.438	4.316	4.525	4.768	4.664	4.664	4.473	155-160	0.871	1158
165.0	5.430	5.186	5.082	5.221	5.534	5.360	5.465	5.221	160-165	0.809	1159
170.0	6.056	5.795	5.708	5.795	6.161	5.952	6.091	5.830	165-170	0.663	1159
175.0	6.613	6.265	6.196	6.196	6.613	6.335	6.544	6.248	170-175	0.437	1160
180.0	6.787	6.439	6.648	6.352	6.787	6.439	6.648	6.352	175-180	0.154	1160
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

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

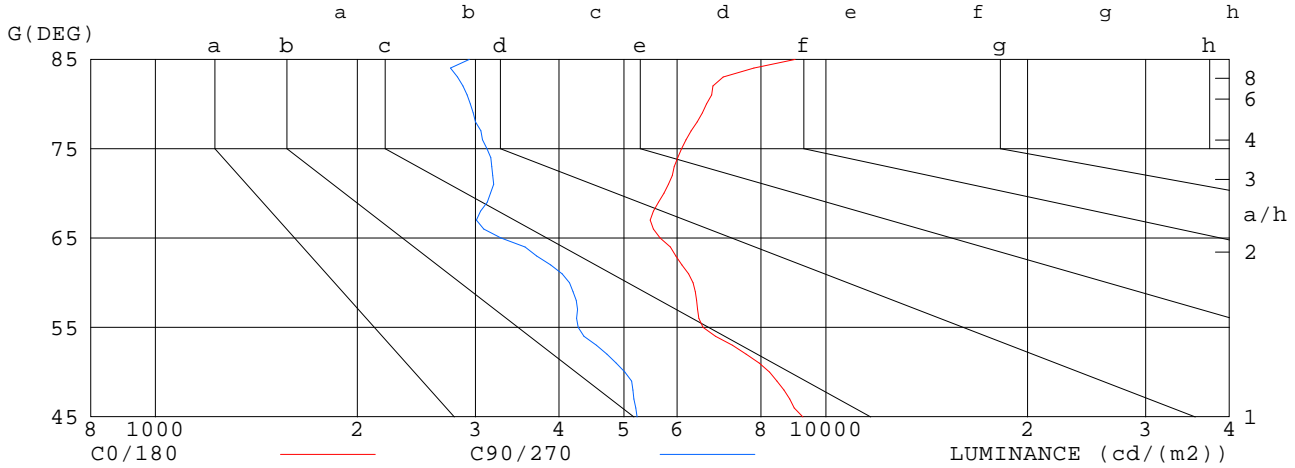
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-S15W-5CCT-4SR-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 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	8998	2938
80	6636	2949
75	6091	3123
70	5732	3159
65	5662	3276
60	6338	4145
55	6557	4269
50	8241	5017
45	9246	5228

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

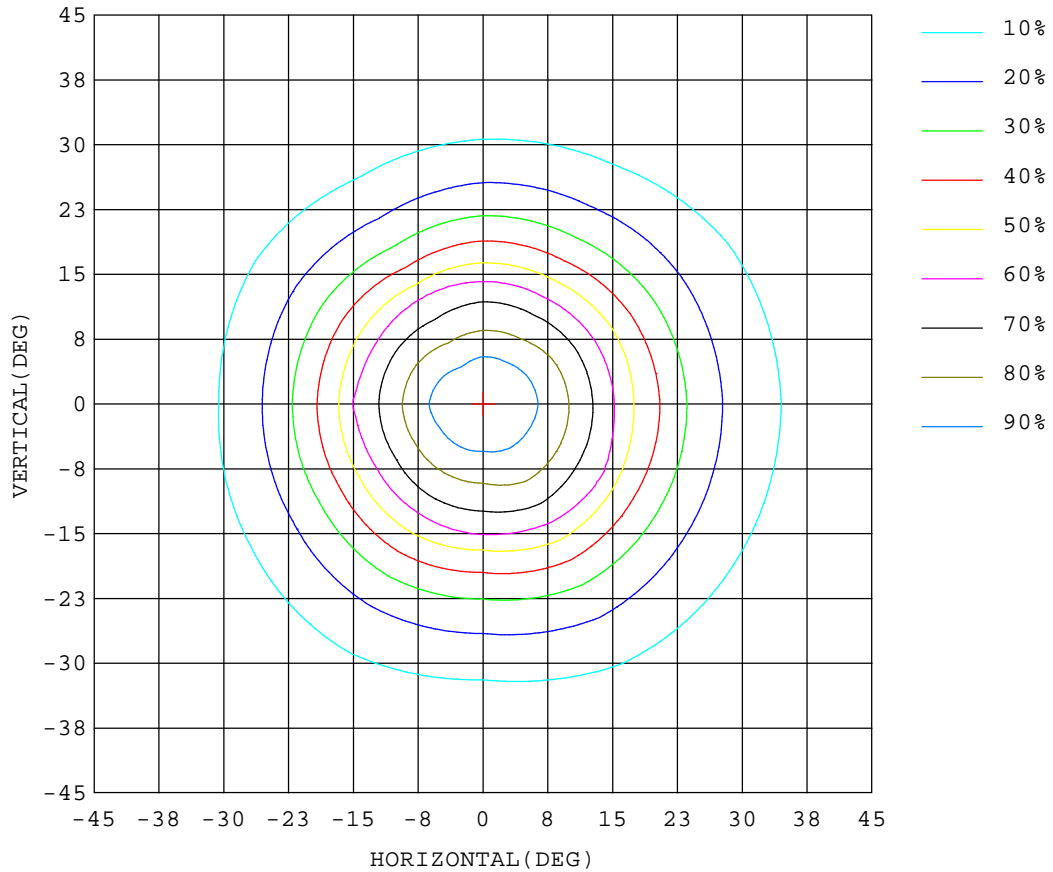
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-S15W-5CCT-4SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 2700	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



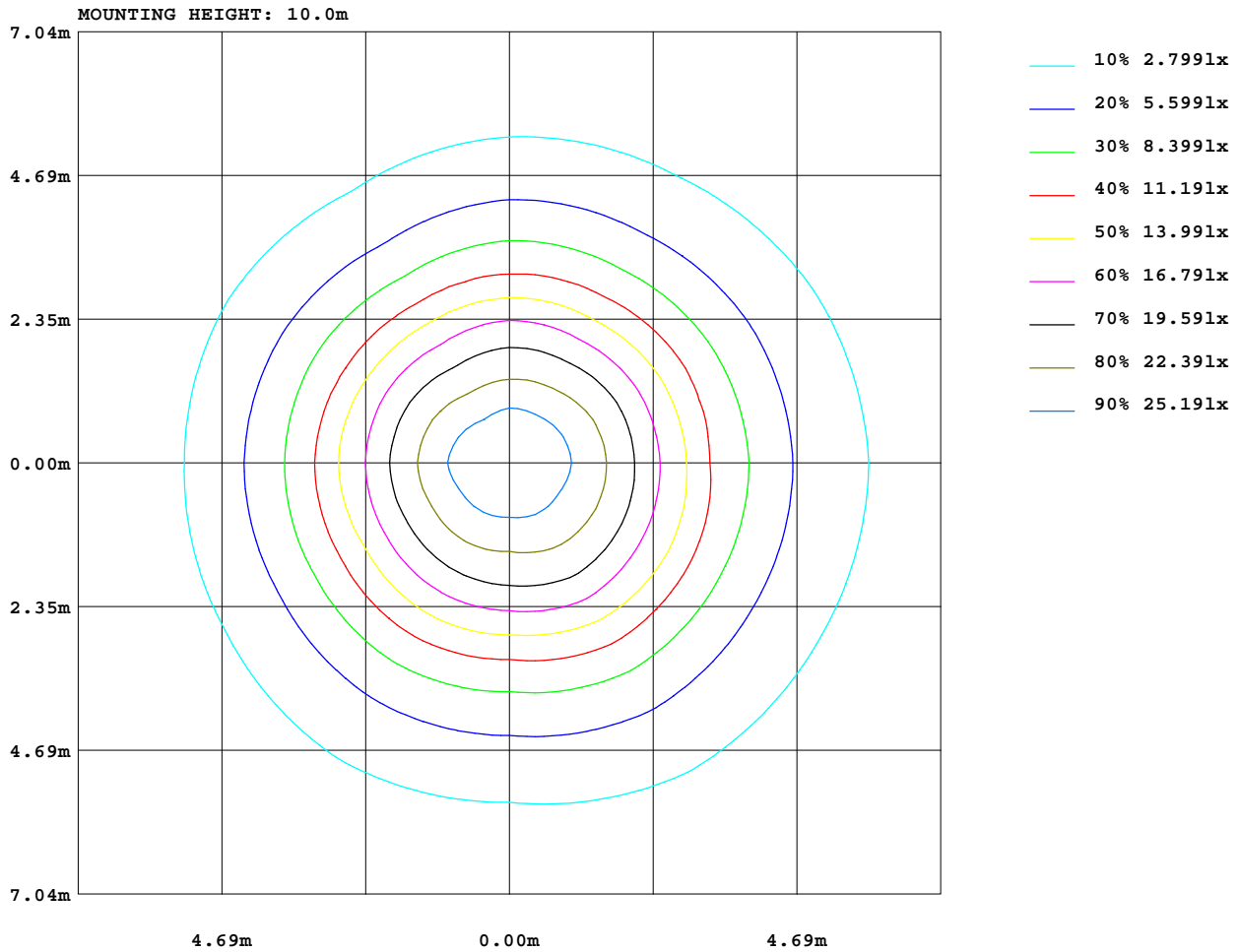
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02/

**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-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:**2024/02/02/

**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-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 2700</b>		<b>SERIAL No.:</b>

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.18	0.20	0.20	0.19	0.17	0.14	0.13	0.12	0.12	0.10	0.09	2.46	2.46
45	0.10	0.12	0.13	0.15	0.17	0.22	0.32	0.43	0.50	0.53	0.50	0.41	0.30	0.22	0.17	0.14	0.12	0.10	4.66	4.66
40	0.12	0.14	0.18	0.27	0.40	0.57	0.88	1.22	1.47	1.55	1.42	1.15	0.82	0.58	0.38	0.23	0.15	0.12	11.6	11.6
35	0.13	0.18	0.32	0.53	0.85	1.36	2.02	2.72	3.22	3.34	3.04	2.47	1.86	1.29	0.80	0.46	0.22	0.14	24.9	24.9
30	0.14	0.25	0.54	0.93	1.68	2.62	3.68	4.87	5.75	5.90	5.32	4.33	3.26	2.26	1.46	0.80	0.37	0.16	44.3	44.3
25	0.14	0.33	0.74	1.54	2.71	4.27	6.03	7.86	9.29	9.48	8.40	6.76	5.01	3.42	2.18	1.22	0.49	0.19	70.1	70.1
20	0.15	0.40	1.02	2.11	3.86	6.24	9.04	11.8	13.8	13.9	12.3	9.75	7.00	4.64	2.87	1.64	0.64	0.23	102	102
15	0.15	0.46	1.28	2.60	4.87	8.08	12.0	15.3	17.2	17.4	15.8	12.6	8.86	5.71	3.45	1.99	0.79	0.25	129	129
10	0.13	0.51	1.41	2.90	5.53	9.29	13.8	17.6	20.0	20.1	17.9	14.3	10.0	6.44	3.83	2.22	0.89	0.25	147	147
5	0.13	0.51	1.42	2.93	5.56	9.35	13.9	17.6	20.0	20.1	18.0	14.5	10.1	6.51	3.87	2.24	0.90	0.25	148	148
0	0.13	0.46	1.31	2.66	4.96	8.24	12.2	15.8	17.7	17.9	16.5	13.2	9.23	5.91	3.56	2.04	0.82	0.25	133	133
-5	0.12	0.38	1.08	2.20	4.01	6.57	9.71	12.7	14.4	14.8	13.5	10.7	7.52	4.91	3.01	1.71	0.67	0.22	108	108
-10	0.11	0.28	0.78	1.66	3.00	4.83	6.97	8.91	10.0	10.2	9.55	7.76	5.64	3.77	2.35	1.29	0.51	0.18	77.9	77.9
-15	0.10	0.19	0.53	1.12	2.07	3.29	4.63	5.74	6.38	6.53	6.17	5.25	3.94	2.68	1.67	0.88	0.35	0.14	51.7	51.7
-20	0.09	0.13	0.31	0.68	1.26	2.03	2.82	3.44	3.80	3.90	3.74	3.25	2.50	1.70	1.00	0.50	0.20	0.11	31.5	31.5
-25	0.08	0.11	0.17	0.37	0.68	1.07	1.45	1.77	1.94	2.00	1.95	1.70	1.34	0.87	0.49	0.24	0.14	0.10	16.4	16.4
-30	0.08	0.10	0.13	0.19	0.32	0.49	0.56	0.60	0.58	0.60	0.66	0.63	0.52	0.35	0.22	0.15	0.12	0.09	6.38	6.38
-35	0.07	0.09	0.12	0.15	0.18	0.21	0.23	0.22	0.17	0.18	0.22	0.22	0.21	0.19	0.16	0.13	0.10	0.07	2.90	2.90
-40	0.07	0.09	0.12	0.15	0.18	0.21	0.23	0.22	0.17	0.18	0.22	0.22	0.21	0.19	0.16	0.13	0.10	0.07	2.90	2.90
-45	0.07	0.09	0.12	0.15	0.18	0.21	0.23	0.22	0.17	0.18	0.22	0.22	0.21	0.19	0.16	0.13	0.10	0.07	2.90	2.90
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
Φ t	2.04	4.74	11.6	23.1	42.2	68.9	101	129	147	149	135	109	78.4	51.6	31.6	18.0	7.59	2.95	1160	
Φ a	2.04	4.74	11.6	23.1	42.2	68.9	101	129	147	149	135	109	78.4	51.6	31.6	18.0	7.59	2.95		1160

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

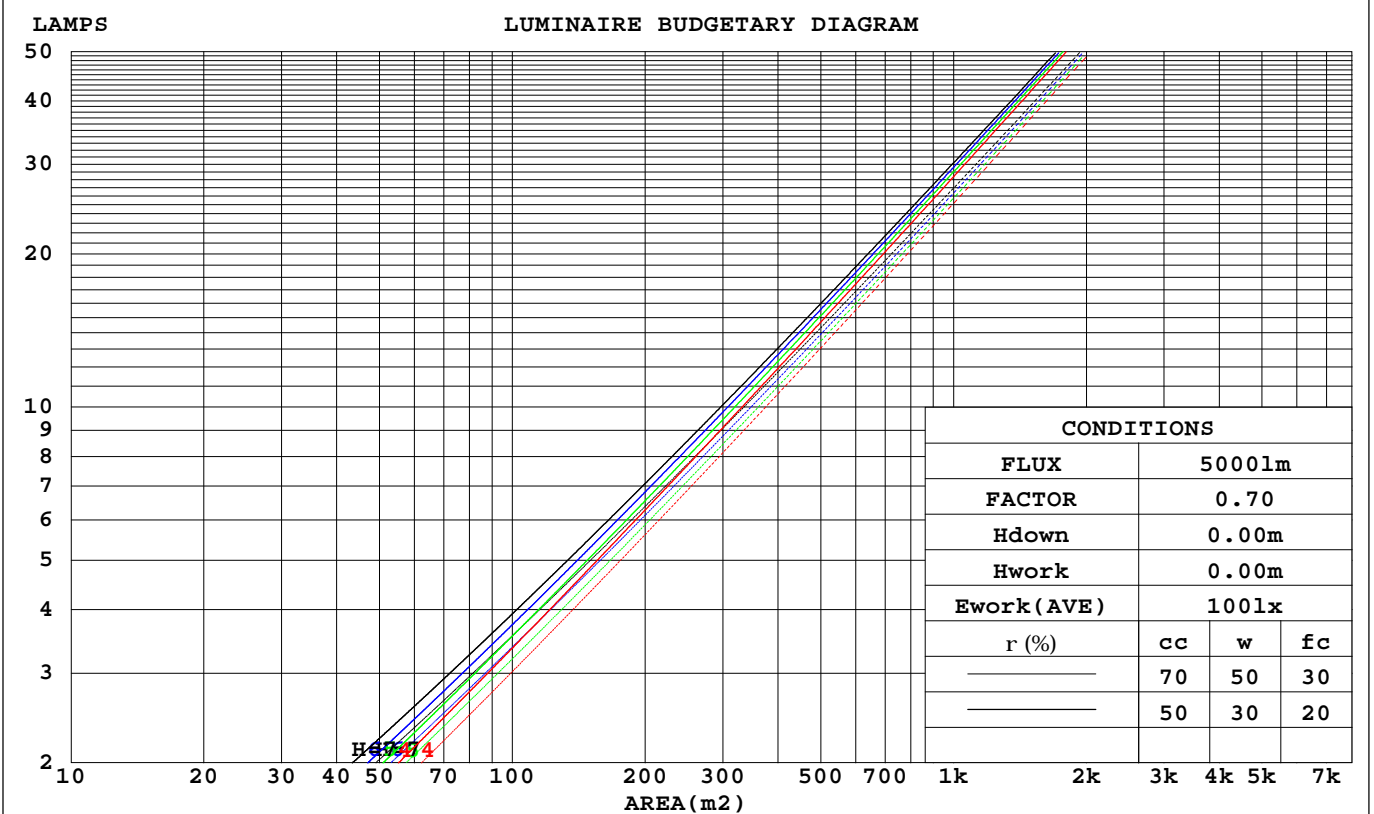
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-S15W-5CCT-4SR-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	1.06	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	.98	.97	.96	.95	.93
2.0	1.04	1.01	.98	1.03	.99	.97	.99	.97	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.99	.94	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.90	.87	.85	.84
4.0	.93	.88	.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	.83	.80	.77	.76
6.0	.84	.79	.76	.84	.79	.75	.82	.78	.75	.81	.77	.74	.79	.76	.74	.72
7.0	.81	.75	.72	.80	.75	.72	.79	.74	.71	.77	.74	.71	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.72	.68	.75	.71	.68	.74	.70	.68	.73	.70	.67	.66
9.0	.74	.69	.65	.73	.69	.65	.72	.68	.65	.71	.68	.65	.71	.67	.64	.63
10.0	.71	.66	.63	.70	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.61



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

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-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	.165	.094	.030	.158	.090	.029	.145	.083	.027	.133	.077	.025	.122	.070	.023	
2.0	.155	.085	.026	.149	.082	.025	.138	.077	.024	.127	.071	.022	.118	.067	.021	
3.0	.145	.077	.023	.140	.075	.023	.131	.071	.022	.122	.067	.020	.114	.063	.020	
4.0	.137	.071	.021	.132	.069	.020	.124	.066	.020	.117	.063	.019	.110	.060	.018	
5.0	.129	.066	.019	.126	.064	.019	.119	.062	.018	.112	.059	.018	.106	.057	.017	
6.0	.123	.062	.018	.119	.060	.017	.113	.058	.017	.108	.056	.016	.102	.054	.016	
7.0	.117	.058	.016	.114	.057	.016	.109	.055	.016	.103	.053	.015	.099	.051	.015	
8.0	.111	.054	.015	.109	.054	.015	.104	.052	.015	.100	.050	.015	.095	.049	.014	
9.0	.107	.052	.014	.104	.051	.014	.100	.049	.014	.096	.048	.014	.092	.047	.014	
10.0	.102	.049	.014	.100	.048	.013	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.179	.166	.155	.153	.143	.133	.105	.098	.092	.060	.057	.054	.019	.018	.017	
2.0	.163	.142	.124	.140	.122	.107	.096	.084	.075	.055	.049	.044	.018	.016	.014	
3.0	.149	.122	.101	.128	.106	.088	.088	.073	.061	.051	.043	.036	.016	.014	.012	
4.0	.138	.108	.084	.119	.093	.073	.082	.065	.051	.047	.038	.030	.015	.012	.010	
5.0	.129	.096	.071	.110	.083	.062	.076	.058	.044	.044	.034	.026	.014	.011	.009	
6.0	.121	.086	.061	.104	.075	.053	.071	.052	.038	.041	.031	.022	.013	.010	.007	
7.0	.114	.078	.054	.098	.068	.047	.067	.048	.033	.039	.028	.020	.013	.009	.007	
8.0	.107	.072	.047	.093	.062	.041	.064	.044	.029	.037	.026	.017	.012	.008	.006	
9.0	.102	.066	.042	.088	.058	.037	.061	.041	.026	.036	.024	.016	.012	.008	.005	
10.0	.097	.062	.038	.084	.054	.033	.058	.038	.024	.034	.022	.014	.011	.007	.005	

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

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-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	16.9	17.8	17.2	17.9	18.1	15.8	16.6	16.1	16.8	17.0
3H	17.0	17.8	17.3	18.0	18.2	15.9	16.7	16.2	16.9	17.1
4H	17.1	17.8	17.4	18.1	18.3	16.0	16.7	16.3	16.9	17.2
6H	17.2	17.9	17.6	18.2	18.4	16.0	16.7	16.3	16.9	17.2
8H	17.3	18.0	17.6	18.2	18.5	16.0	16.7	16.4	16.9	17.2
12H	17.4	18.0	17.7	18.3	18.6	16.0	16.6	16.4	16.9	17.2
4H 2H	16.8	17.5	17.1	17.8	18.0	15.8	16.5	16.1	16.7	17.0
3H	16.9	17.6	17.3	17.8	18.1	16.0	16.6	16.4	16.9	17.2
4H	17.1	17.6	17.4	18.0	18.3	16.2	16.8	16.6	17.1	17.4
6H	17.3	17.8	17.7	18.1	18.5	16.4	16.9	16.8	17.3	17.6
8H	17.4	17.8	17.8	18.2	18.6	16.5	16.9	16.9	17.3	17.7
12H	17.5	18.0	18.0	18.4	18.8	16.5	16.9	16.9	17.3	17.7
8H 4H	17.1	17.5	17.5	17.9	18.3	16.3	16.7	16.7	17.1	17.5
6H	17.3	17.7	17.7	18.1	18.5	16.6	17.0	17.1	17.4	17.9
8H	17.4	17.8	17.9	18.2	18.7	16.9	17.2	17.3	17.6	18.1
12H	17.6	17.9	18.1	18.4	18.9	17.0	17.3	17.5	17.8	18.3
12H 4H	17.0	17.5	17.5	17.9	18.3	16.2	16.6	16.6	17.0	17.4
6H	17.3	17.6	17.8	18.1	18.6	16.7	17.0	17.1	17.4	17.9
8H	17.5	17.8	17.9	18.2	18.7	16.9	17.2	17.4	17.7	18.2
Variations with the observer position at spacings:										
S = 1.0H	+ 2.6 / - 2.4					+ 0.8 / - 1.0				
1.5H	+ 4.7 / - 2.2					+ 1.7 / - 1.3				
2.0H	+ 0.8 / - 0.8					+ 0.5 / - 0.9				

CIE Pub.117 Corrected 1160 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.5)

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

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-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	88	82	78	87	82	78	87	81	78	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	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			

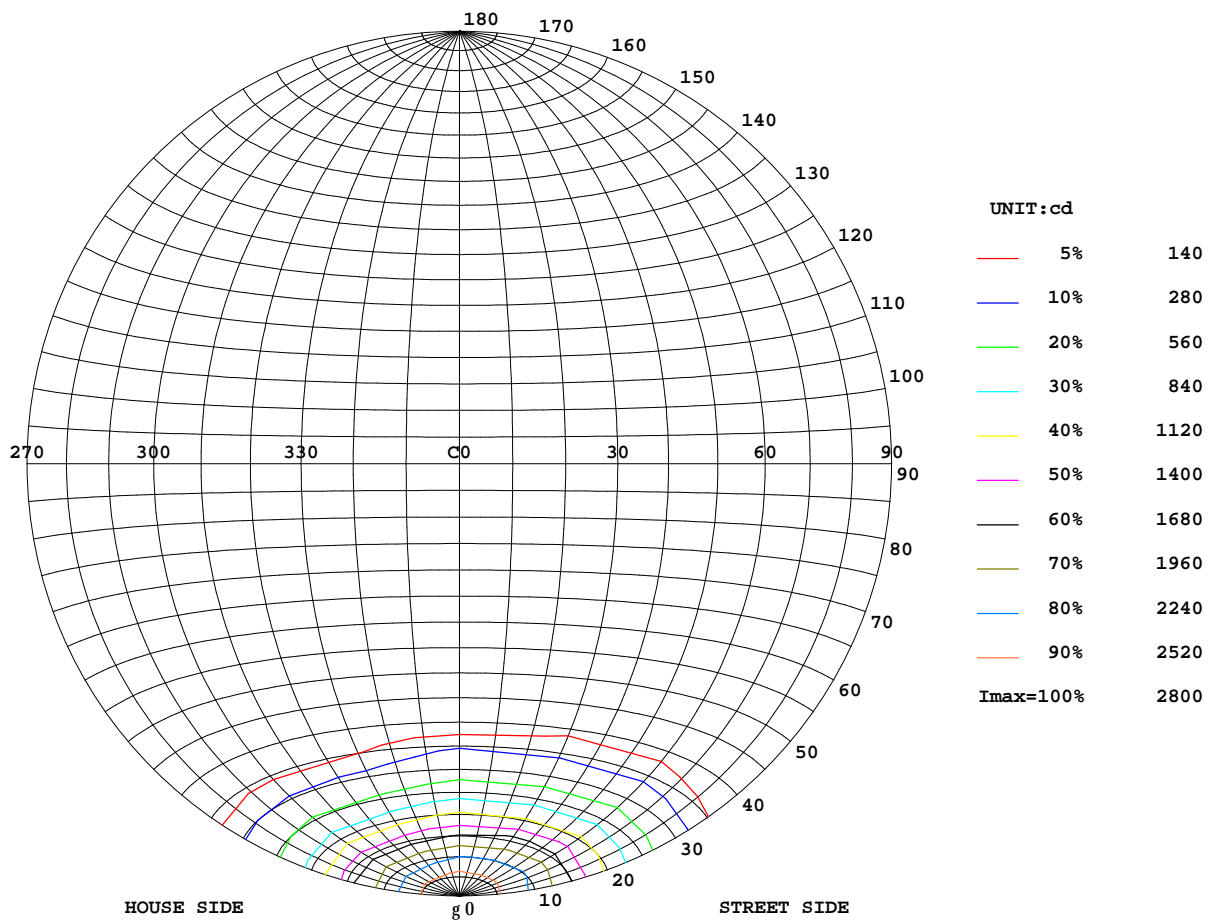
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02/

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-COB04-S15W-5CCT-4SR-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:2024/02/02/

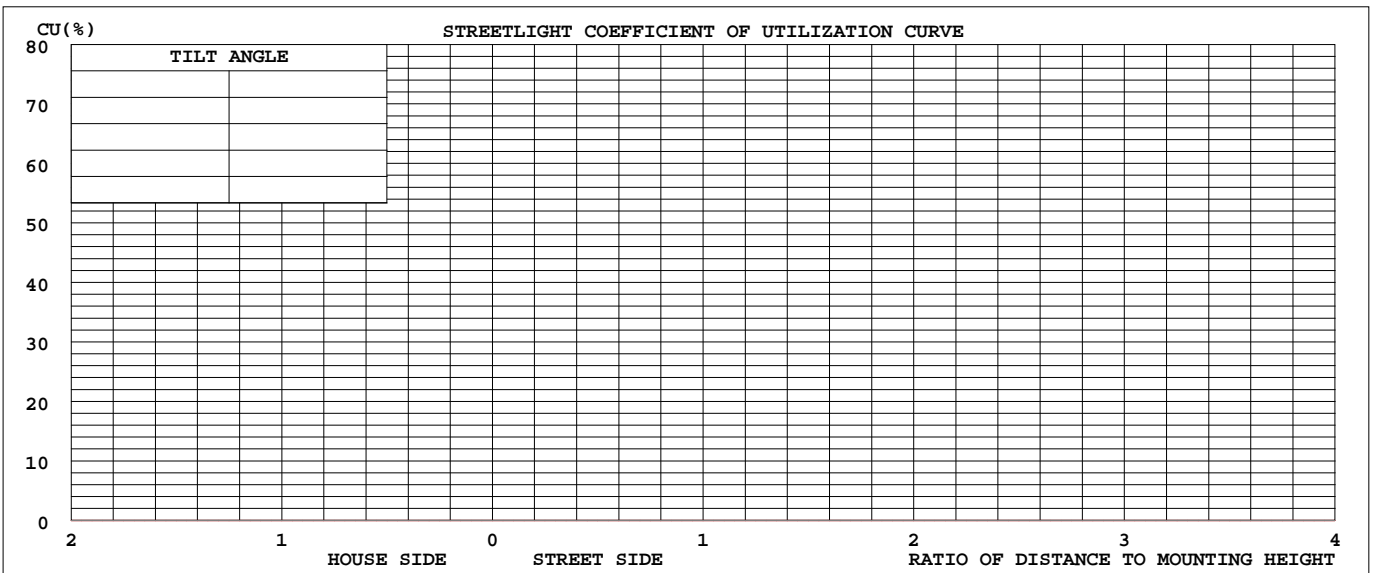
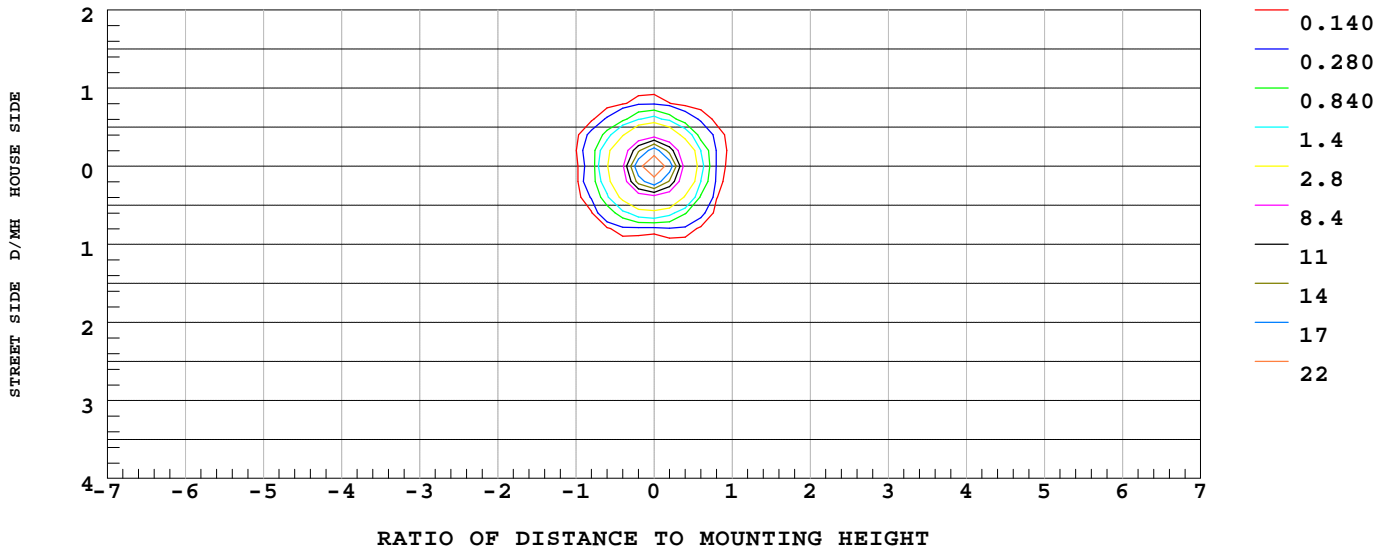
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-S15W-5CCT-4SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 28.00 lx



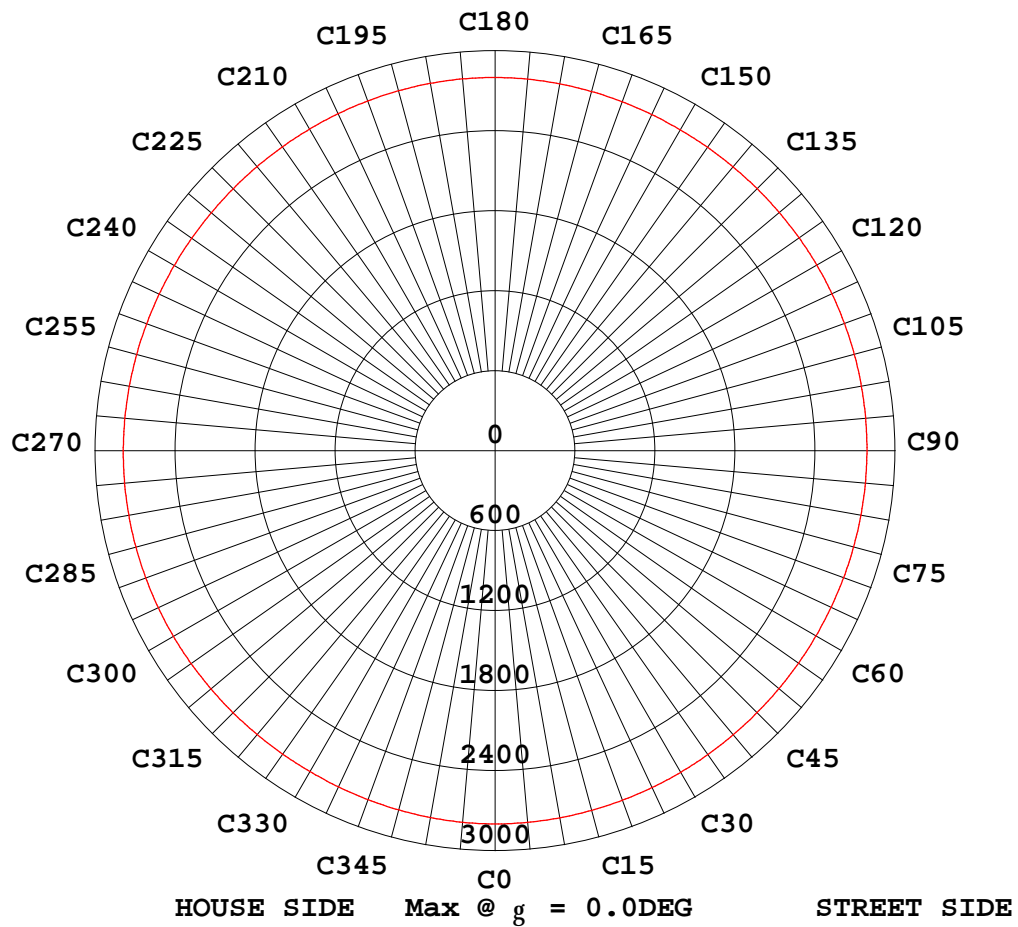
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02/

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-COB04-S15W-5CCT-4SR-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:2024/02/02/

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-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	2800	2785	2780	2789	2786	2779	2800	2785	2780	2789	2786	2779
5.0	2608	2574	2583	2557	2570	2570	2620	2576	2511	2562	2558	2592
10.0	2235	2249	2260	2185	2169	2156	2174	2154	2075	2121	2128	2202
15.0	1703	1727	1769	1705	1641	1596	1690	1574	1493	1569	1575	1658
20.0	1167	1162	1184	1073	1085	1033	1029	999	923	1006	1021	1110
25.0	737	735	750	660	664	602	600	584	525	597	617	694
30.0	454	443	446	367	378	328	300	311	262	308	334	414
35.0	261	249	232	148	188	152	148	152	100	96.0	136	231
40.0	77.2	110	94.3	26.1	85.6	62.5	32.1	71.3	32.9	34.0	49.6	102
45.0	28.4	32.8	30.4	16.0	31.6	20.7	17.2	30.8	17.5	23.0	19.0	37.1
50.0	23.0	19.0	23.5	14.0	22.8	15.5	14.1	22.3	14.4	19.7	15.7	23.8
55.0	16.3	14.3	19.0	10.6	18.5	12.2	11.0	18.2	11.5	16.0	12.5	18.5
60.0	13.7	9.53	14.4	9.01	14.4	9.46	9.57	14.6	9.36	13.7	9.32	14.3
65.0	10.4	7.27	11.8	6.02	11.8	7.41	7.13	12.1	7.03	9.71	7.06	11.9
70.0	8.52	4.90	8.73	4.69	8.94	5.49	5.98	9.46	5.04	8.04	4.80	8.87
75.0	6.85	3.75	7.27	3.51	7.37	4.38	4.83	8.00	3.62	6.19	3.51	7.48
80.0	5.01	2.29	5.60	2.22	5.74	3.06	3.51	6.33	2.36	4.31	2.36	6.02
85.0	3.41	1.39	4.07	1.11	4.24	1.67	2.12	4.66	1.46	3.23	1.46	4.52
90.0	2.99	0.77	3.06	0.70	2.99	0.70	1.07	3.13	0.87	2.95	0.87	3.20
95.0	2.78	0.77	2.74	0.73	2.68	0.73	1.11	2.88	0.87	2.78	0.87	2.92
100.0	2.61	0.77	2.54	0.77	2.50	0.77	1.11	2.71	0.91	2.61	0.87	2.71
105.0	2.47	0.84	2.40	0.77	2.36	0.77	1.14	2.54	0.91	2.47	0.87	2.54
110.0	2.33	0.84	2.26	0.80	2.26	0.80	1.14	2.40	0.91	2.29	0.87	2.40
115.0	2.22	0.91	2.15	0.84	2.12	0.84	1.14	2.26	0.91	2.19	0.91	2.26
120.0	2.12	0.94	2.05	0.87	2.01	0.91	1.18	2.15	0.94	2.08	0.91	2.12
125.0	2.08	1.00	1.98	0.94	1.98	1.00	1.25	2.08	1.00	1.98	0.97	2.05
130.0	2.08	1.14	1.98	1.07	1.98	1.14	1.39	2.08	1.14	1.98	1.07	2.05
135.0	2.15	1.35	2.05	1.28	2.08	1.39	1.63	2.22	1.39	2.05	1.28	2.12
140.0	2.40	1.67	2.26	1.63	2.29	1.74	2.01	2.43	1.74	2.29	1.63	2.33
145.0	2.74	2.15	2.57	2.12	2.68	2.22	2.50	2.81	2.26	2.68	2.12	2.68
150.0	3.27	2.81	3.09	2.78	3.20	2.88	3.20	3.37	2.92	3.23	2.74	3.20
155.0	3.96	3.55	3.79	3.55	3.89	3.65	3.96	4.07	3.68	3.89	3.51	3.86
160.0	4.69	4.35	4.52	4.31	4.59	4.45	4.76	4.80	4.52	4.66	4.35	4.59
165.0	5.43	5.11	5.25	5.08	5.29	5.15	5.53	5.49	5.22	5.46	5.11	5.32
170.0	6.05	5.70	5.88	5.70	5.84	5.74	6.16	6.09	5.81	6.09	5.70	5.95
175.0	6.61	6.16	6.37	6.19	6.30	6.09	6.61	6.47	6.19	6.54	6.12	6.37
180.0	6.78	6.57	6.30	6.64	6.19	6.50	6.78	6.57	6.30	6.64	6.19	6.50

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

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