

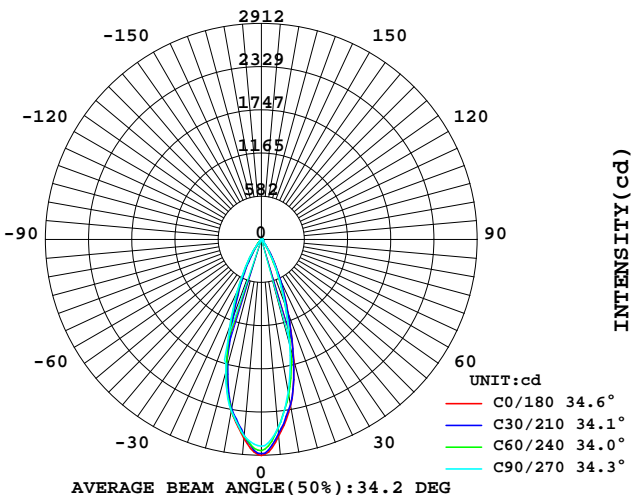
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

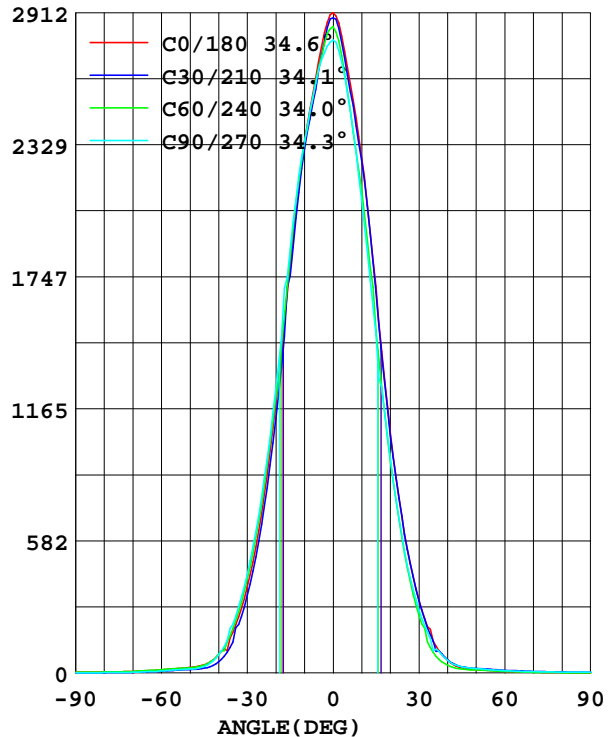
MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	2912	S/MH(C0/180)	0.58
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.61
NOMINAL POWER(W)	15	TOTAL FLUX(lm)	1184.3	Voltage(V)	120.5
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	78.4	Current(A)	0.127
NOMINAL FLUX(lm)	1184.3	h up(%)	1.1	Power(W)	15.11
LAMPS QUANTITY	1	h down(%)	98.9	Power Factor(PF)	0.986
TEST VOLTAGE(V)	120.6	Effective Flux(lm)	1184.3	EEL	0.171

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



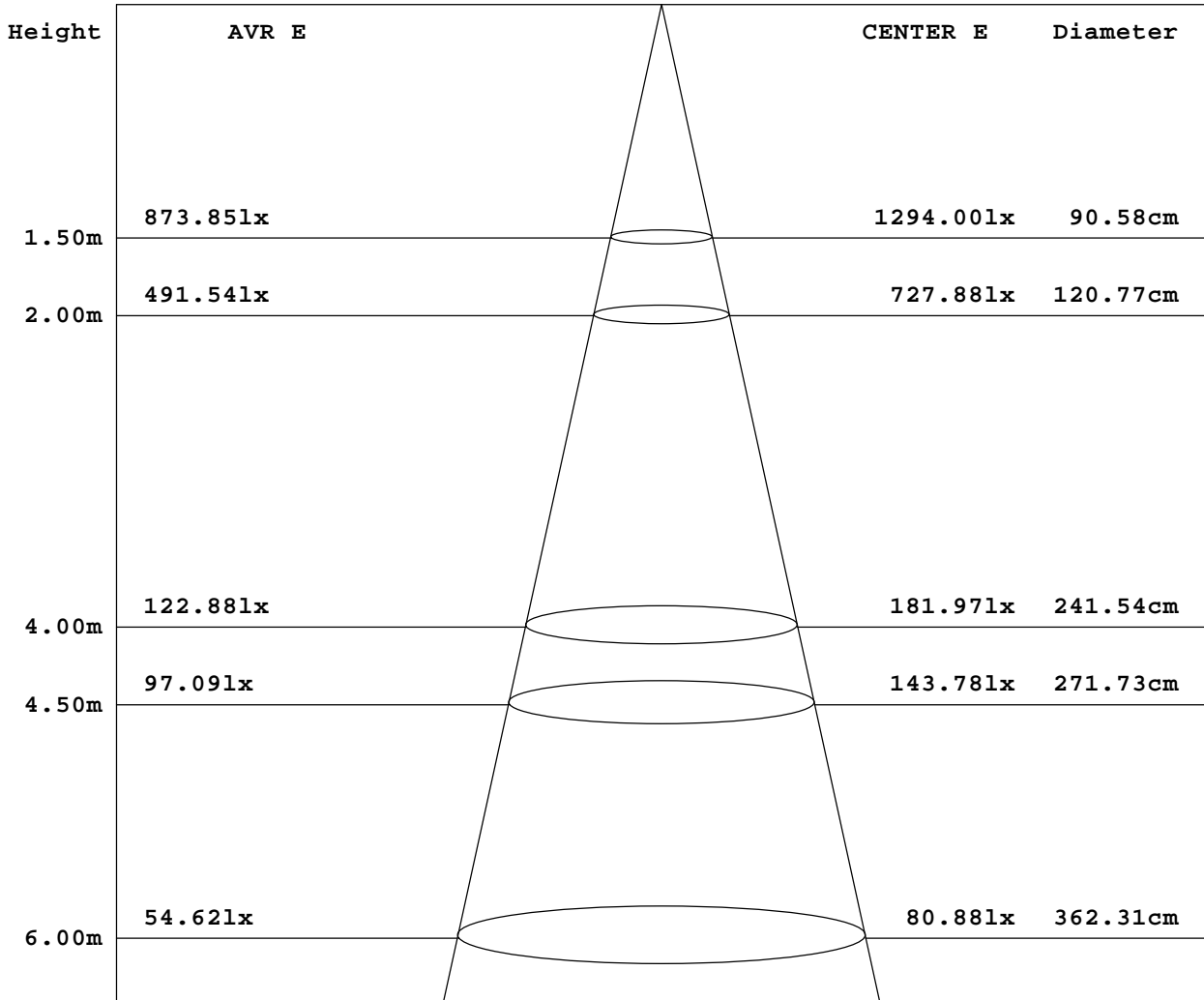
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:



Angle: 33.6deg

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-R15W-5CCT-4RR-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	2699	2664	2663	2620	2668	2599	2557	2662	0- 5	65.33	65.33
10.0	2344	2329	2344	2236	2275	2199	2087	2318	5- 10	174.6	239.9
15.0	1800	1791	1866	1670	1705	1595	1495	1768	10- 15	235.5	475.5
20.0	1187	1167	1252	1090	1056	989.6	947.9	1178	15- 20	228.4	704.0
25.0	703.3	700.2	776.2	650.7	609.6	571.2	540.5	694.4	20- 25	180.7	884.7
30.0	381.1	379.0	434.6	365.1	321.8	288.2	279.3	377.4	25- 30	123.8	1009
35.0	179.8	165.9	214.7	191.4	139.1	115.7	97.53	197.1	30- 35	73.76	1082
40.0	81.03	65.28	79.29	80.63	55.97	46.40	56.00	83.09	35- 40	35.65	1118
45.0	35.85	28.10	29.17	32.58	23.04	22.60	27.95	34.44	40- 45	16.67	1135
50.0	24.33	19.33	17.05	20.67	14.72	16.51	19.66	20.48	45- 50	9.220	1144
55.0	19.24	15.80	13.71	15.47	11.10	13.28	13.99	16.55	50- 55	7.452	1151
60.0	13.61	11.12	8.702	9.242	6.822	9.189	10.51	11.38	55- 60	5.799	1157
65.0	10.02	7.971	5.778	7.049	5.186	7.101	7.275	8.267	60- 65	4.205	1161
70.0	6.683	4.873	2.854	4.490	3.167	4.647	5.917	5.204	65- 70	3.029	1164
75.0	5.395	3.672	2.158	3.602	2.471	3.742	4.734	4.090	70- 75	2.201	1167
80.0	4.281	2.819	1.427	2.749	1.775	2.941	3.724	3.237	75- 80	1.771	1168
85.0	3.411	2.175	0.905	2.088	1.253	2.349	3.237	2.541	80- 85	1.386	1170
90.0	2.958	1.827	0.696	1.775	1.113	1.966	2.958	2.036	85- 90	1.132	1171
95.0	2.749	1.723	0.696	1.688	1.148	1.844	2.784	1.879	90- 95	1.014	1172
100.0	2.575	1.636	0.731	1.618	1.148	1.775	2.610	1.792	95-100	0.960	1173
105.0	2.436	1.583	0.766	1.566	1.148	1.705	2.436	1.723	100-105	0.907	1174
110.0	2.332	1.531	0.801	1.531	1.183	1.636	2.297	1.653	105-110	0.854	1175
115.0	2.227	1.496	0.835	1.496	1.183	1.566	2.193	1.583	110-115	0.802	1175
120.0	2.123	1.479	0.870	1.479	1.218	1.531	2.088	1.549	115-120	0.750	1176
125.0	2.053	1.479	0.940	1.514	1.287	1.496	2.018	1.531	120-125	0.704	1177
130.0	2.088	1.531	1.044	1.583	1.392	1.566	2.018	1.583	125-130	0.674	1178
135.0	2.158	1.670	1.253	1.740	1.636	1.705	2.123	1.723	130-135	0.668	1178
140.0	2.401	1.966	1.531	2.053	1.984	1.984	2.367	1.966	135-140	0.692	1179
145.0	2.784	2.401	2.018	2.523	2.506	2.454	2.784	2.419	140-145	0.744	1180
150.0	3.376	2.993	2.645	3.132	3.202	3.063	3.341	2.993	145-150	0.813	1180
155.0	4.072	3.724	3.376	3.846	4.037	3.794	4.072	3.707	150-155	0.867	1181
160.0	4.838	4.507	4.177	4.594	4.873	4.594	4.873	4.473	155-160	0.878	1182
165.0	5.639	5.256	4.943	5.325	5.708	5.343	5.604	5.238	160-165	0.817	1183
170.0	6.265	5.900	5.604	5.900	6.439	5.987	6.196	5.830	165-170	0.671	1184
175.0	6.787	6.352	6.126	6.283	6.927	6.422	6.648	6.283	170-175	0.444	1184
180.0	7.101	6.561	6.683	6.439	7.101	6.561	6.683	6.439	175-180	0.156	1184
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:

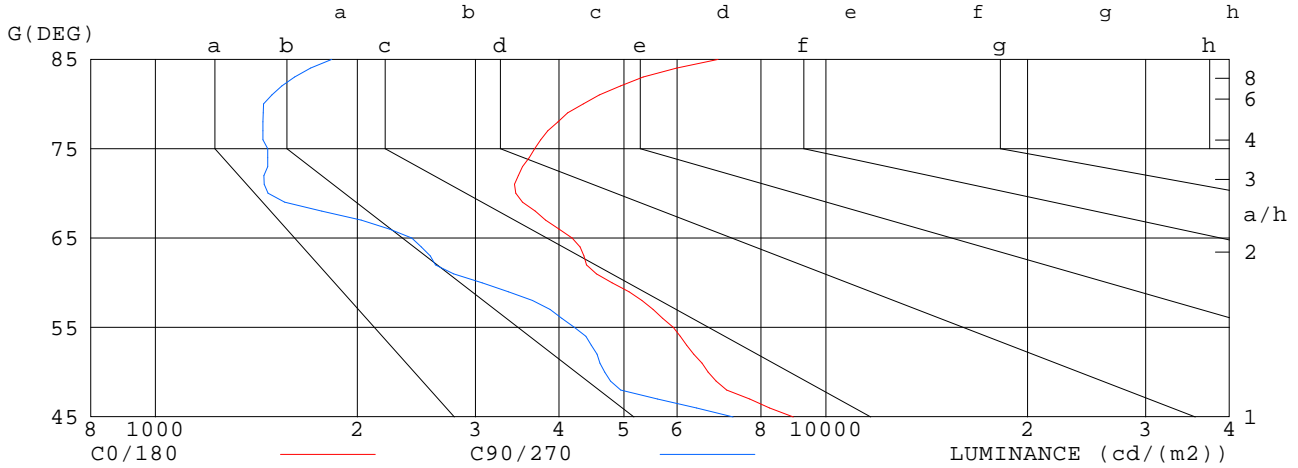
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-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	6903	1831
80	4349	1450
75	3677	1471
70	3446	1472
65	4184	2411
60	4801	3070
55	5919	4217
50	6676	4680
45	8943	7276

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

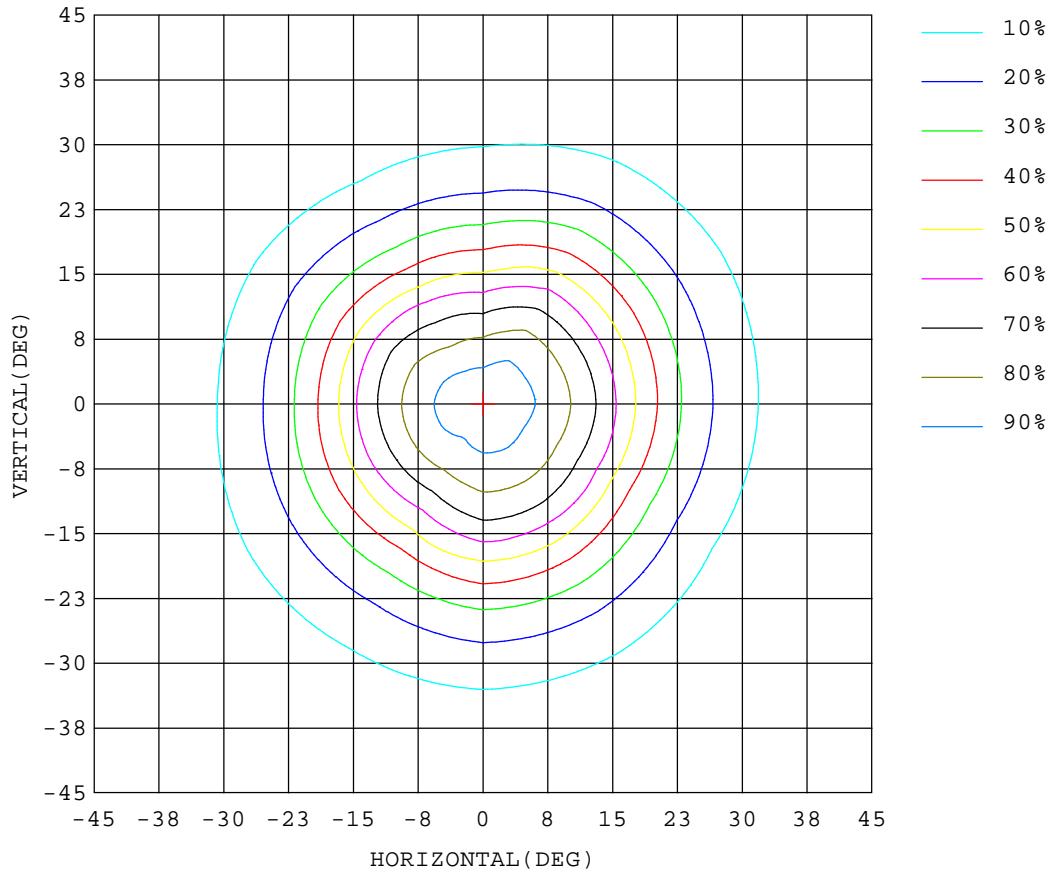
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: JXL-COB04-R15W-5CCT-4RR-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



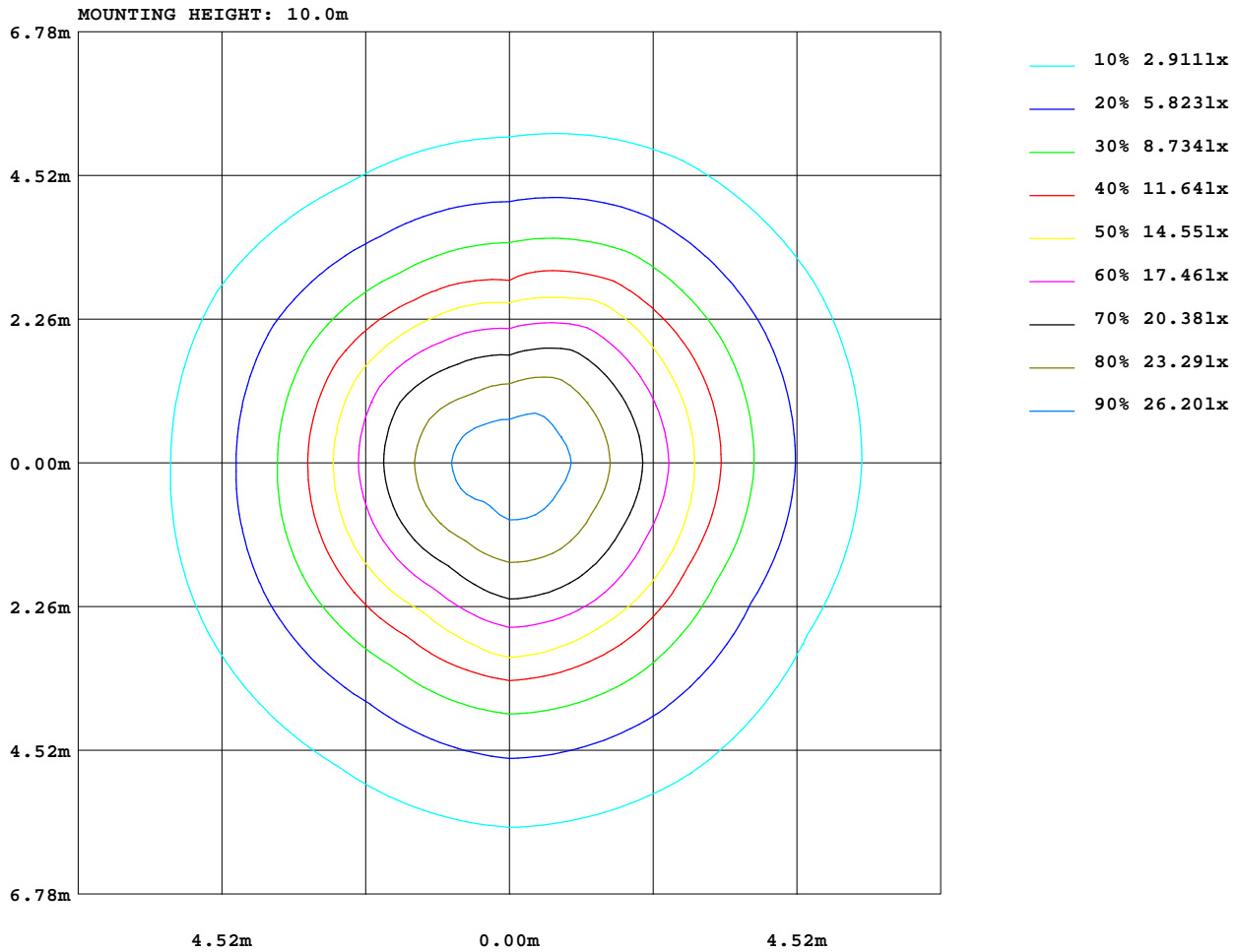
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

**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-R15W-5CCT-4RR-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-R15W-5CCT-4RR-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		Φ t	Φ a
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45	Φ t
45	0.07	0.09	0.10	0.10	0.11	0.14	0.18	0.23	0.28	0.30	0.28	0.25	0.20	0.16	0.13	0.12	0.11	0.09	2.92	2.92
40	0.09	0.10	0.12	0.14	0.17	0.23	0.36	0.50	0.61	0.67	0.65	0.56	0.43	0.31	0.22	0.16	0.13	0.11	5.58	5.58
35	0.10	0.13	0.17	0.24	0.36	0.52	0.83	1.17	1.41	1.52	1.50	1.31	1.00	0.65	0.43	0.26	0.17	0.13	11.9	11.9
30	0.11	0.16	0.27	0.47	0.80	1.33	1.96	2.57	2.95	3.13	3.05	2.64	2.00	1.33	0.76	0.46	0.25	0.15	24.4	24.4
25	0.13	0.23	0.46	0.88	1.68	2.65	3.70	4.76	5.42	5.73	5.59	4.73	3.42	2.24	1.34	0.69	0.36	0.18	44.2	44.2
20	0.14	0.31	0.69	1.55	2.82	4.43	6.19	7.86	8.92	9.45	9.24	7.61	5.34	3.40	1.99	1.00	0.49	0.22	71.7	71.7
15	0.17	0.41	1.00	2.20	4.06	6.54	9.39	12.0	13.5	14.1	13.5	10.7	7.55	4.67	2.64	1.33	0.58	0.26	105	105
10	0.19	0.49	1.28	2.73	5.07	8.48	12.7	15.9	17.4	18.2	16.9	13.5	9.45	5.79	3.19	1.59	0.67	0.30	134	134
5	0.20	0.55	1.44	3.04	5.67	9.66	14.5	18.2	20.4	20.6	18.6	15.2	10.5	6.45	3.53	1.73	0.71	0.31	152	152
0	0.20	0.57	1.48	3.07	5.71	9.71	14.5	18.3	20.4	20.7	18.5	15.1	10.5	6.36	3.48	1.68	0.68	0.29	152	152
-5	0.20	0.54	1.39	2.84	5.20	8.66	12.7	16.2	18.4	18.8	17.0	13.5	9.10	5.55	3.05	1.46	0.57	0.25	136	136
-10	0.17	0.47	1.18	2.39	4.27	6.93	10.0	12.8	15.3	15.8	14.1	10.7	7.19	4.36	2.39	1.12	0.45	0.20	110	110
-15	0.14	0.36	0.90	1.85	3.18	4.99	7.08	9.28	11.2	11.5	10.0	7.80	5.33	3.21	1.69	0.73	0.31	0.15	79.9	79.9
-20	0.11	0.25	0.60	1.27	2.17	3.31	4.64	6.10	7.24	7.42	6.57	5.20	3.59	2.16	1.08	0.43	0.20	0.12	52.5	52.5
-25	0.10	0.16	0.37	0.74	1.34	2.04	2.84	3.68	4.33	4.42	3.92	3.11	2.16	1.26	0.60	0.27	0.13	0.10	31.6	31.6
-30	0.09	0.12	0.21	0.42	0.71	1.10	1.59	2.01	2.32	2.35	2.07	1.62	1.09	0.64	0.35	0.18	0.11	0.08	17.0	17.0
-35	0.08	0.11	0.15	0.23	0.37	0.55	0.71	0.90	1.03	1.03	0.89	0.69	0.52	0.34	0.20	0.14	0.10	0.08	8.12	8.12
-40	0.06	0.09	0.13	0.16	0.20	0.26	0.31	0.36	0.38	0.38	0.35	0.30	0.25	0.20	0.15	0.12	0.09	0.07	3.86	3.86
-45	0.06	0.09	0.13	0.16	0.20	0.26	0.31	0.36	0.38	0.38	0.35	0.30	0.25	0.20	0.15	0.12	0.09	0.07	3.86	3.86
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
Φ t	2.36	5.14	11.9	24.3	43.9	71.6	104	133	152	156	143	115	79.7	49.1	27.2	13.5	6.11	3.09	1184	
Φ a	2.36	5.14	11.9	24.3	43.9	71.6	104	133	152	156	143	115	79.7	49.1	27.2	13.5	6.11	3.09		1184

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

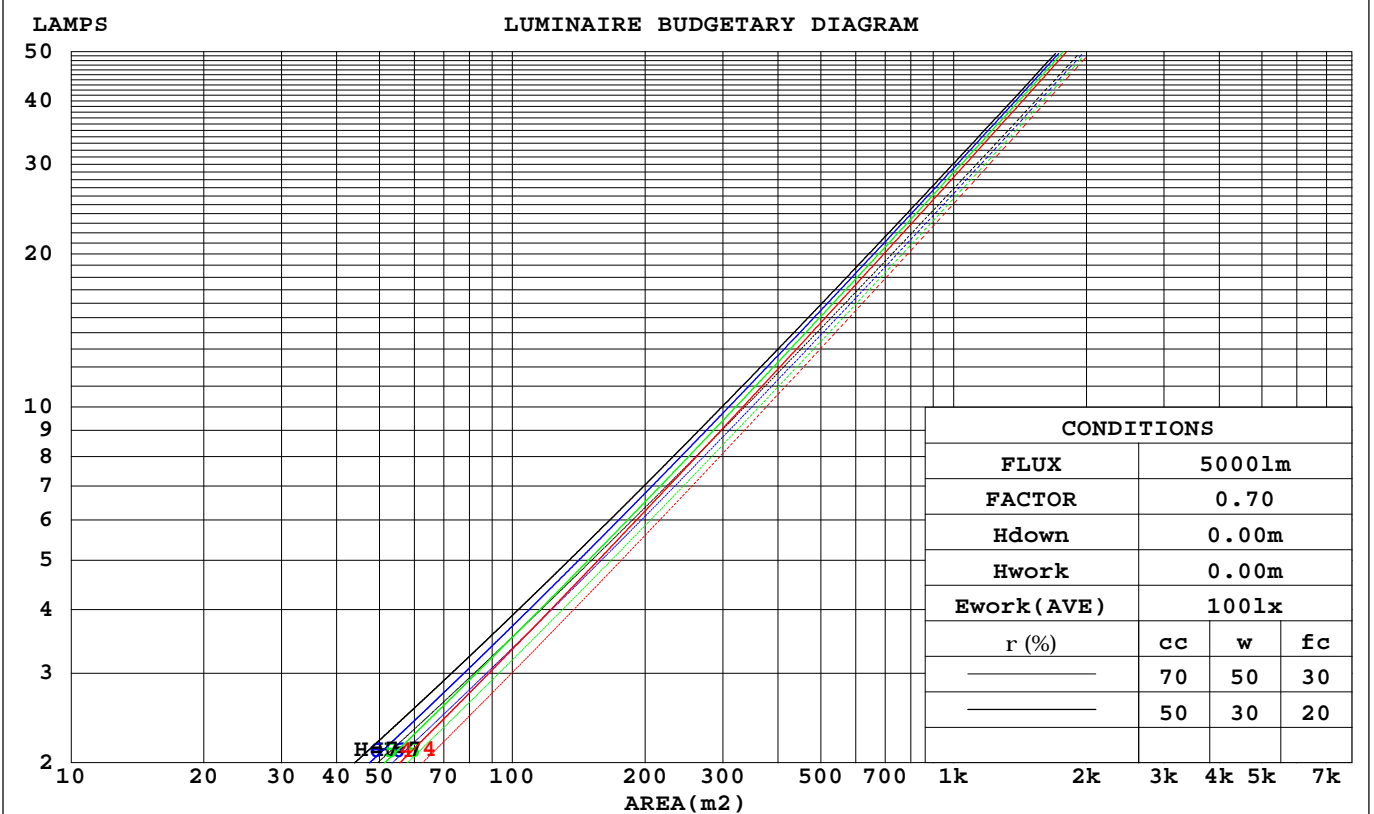
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB04-R15W-5CCT-4RR-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	.00	.99	.97	.96	.96	.94
2.0	1.05	1.01	.98	1.03	.00	.97	.00	.97	.95	.96	.94	.92	.94	.92	.90	.89
3.0	.99	.95	.91	.97	.93	.90	.95	.91	.89	.92	.89	.87	.90	.88	.86	.84
4.0	.94	.89	.85	.93	.88	.85	.90	.87	.84	.88	.85	.83	.86	.84	.81	.80
5.0	.89	.84	.80	.88	.83	.80	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76
6.0	.85	.80	.76	.84	.79	.76	.83	.78	.75	.81	.77	.75	.80	.77	.74	.73
7.0	.81	.76	.72	.80	.76	.72	.79	.75	.72	.78	.74	.71	.77	.73	.71	.70
8.0	.78	.72	.69	.77	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.68	.67
9.0	.74	.69	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.64
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.69	.65	.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-R15W-5CCT-4RR-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
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.162	.092	.029	.155	.089	.028	.142	.082	.026	.130	.075	.024	.119	.069	.022	
2.0	.152	.083	.026	.146	.081	.025	.135	.075	.023	.125	.070	.022	.116	.065	.021	
3.0	.143	.076	.023	.138	.074	.022	.129	.070	.021	.120	.066	.020	.112	.062	.019	
4.0	.135	.070	.021	.131	.068	.020	.123	.065	.019	.115	.062	.019	.108	.059	.018	
5.0	.128	.065	.019	.124	.064	.019	.117	.061	.018	.111	.058	.017	.105	.056	.017	
6.0	.121	.061	.017	.118	.060	.017	.112	.057	.017	.106	.055	.016	.101	.053	.016	
7.0	.116	.057	.016	.113	.056	.016	.107	.054	.016	.102	.052	.015	.098	.051	.015	
8.0	.110	.054	.015	.108	.053	.015	.103	.051	.015	.099	.050	.014	.094	.048	.014	
9.0	.106	.051	.014	.103	.050	.014	.099	.049	.014	.095	.048	.014	.091	.046	.013	
10.0	.101	.049	.013	.099	.048	.013	.095	.047	.013	.092	.046	.013	.088	.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
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
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	.162	.141	.124	.139	.122	.107	.095	.084	.075	.055	.049	.044	.018	.016	.014	
3.0	.149	.122	.101	.128	.105	.088	.088	.073	.061	.051	.043	.036	.016	.014	.012	
4.0	.138	.107	.084	.118	.093	.073	.081	.065	.051	.047	.038	.030	.015	.012	.010	
5.0	.128	.095	.071	.110	.083	.062	.076	.058	.044	.044	.034	.026	.014	.011	.009	
6.0	.120	.086	.061	.103	.074	.053	.071	.052	.038	.041	.031	.022	.013	.010	.007	
7.0	.113	.078	.053	.097	.068	.047	.067	.047	.033	.039	.028	.020	.013	.009	.007	
8.0	.107	.072	.047	.092	.062	.041	.064	.044	.029	.037	.026	.017	.012	.008	.006	
9.0	.102	.066	.042	.087	.057	.037	.061	.040	.026	.035	.024	.016	.011	.008	.005	
10.0	.097	.062	.038	.083	.053	.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-R15W-5CCT-4RR-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	13.6	14.4	13.8	14.6	14.8	15.1	15.9	15.3	16.0	16.2
3H	13.7	14.5	14.0	14.7	14.9	15.0	15.8	15.3	16.0	16.2
4H	13.8	14.5	14.1	14.8	15.0	15.0	15.7	15.3	16.0	16.2
6H	14.0	14.7	14.3	14.9	15.2	15.0	15.7	15.3	15.9	16.2
8H	14.2	14.8	14.5	15.1	15.3	15.0	15.6	15.3	15.9	16.2
12H	14.3	15.0	14.7	15.2	15.5	15.0	15.6	15.3	15.9	16.1
4H 2H	13.5	14.2	13.8	14.5	14.7	14.9	15.6	15.2	15.9	16.1
3H	13.7	14.3	14.0	14.6	14.9	15.0	15.6	15.4	15.9	16.2
4H	13.8	14.4	14.2	14.7	15.0	15.1	15.6	15.4	15.9	16.3
6H	14.1	14.6	14.5	14.9	15.3	15.1	15.6	15.5	16.0	16.3
8H	14.3	14.7	14.7	15.1	15.5	15.1	15.6	15.5	16.0	16.4
12H	14.6	15.0	15.0	15.4	15.8	15.2	15.6	15.6	16.0	16.4
8H 4H	13.8	14.3	14.2	14.6	15.0	15.0	15.5	15.4	15.8	16.2
6H	14.1	14.4	14.5	14.9	15.3	15.2	15.6	15.6	16.0	16.4
8H	14.3	14.6	14.8	15.1	15.5	15.3	15.7	15.8	16.1	16.6
12H	14.7	15.0	15.2	15.4	15.9	15.4	15.7	15.9	16.2	16.7
12H 4H	13.8	14.2	14.2	14.6	15.0	15.0	15.4	15.4	15.8	16.2
6H	14.1	14.4	14.6	14.9	15.3	15.2	15.5	15.6	16.0	16.4
8H	14.3	14.6	14.8	15.1	15.6	15.4	15.7	15.9	16.1	16.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.5					+ 2.4 / - 2.4				
1.5H	+ 3.1 / - 1.7					+ 4.3 / - 2.5				
2.0H	+ 2.1 / - 1.5					+ 0.8 / - 1.5				

CIE Pub.117 Corrected 1184 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.6)

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-R15W-5CCT-4RR-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	88	82	78	87	81	78	75
0.80	95	90	86	95	89	86	93	89	85	82
1.00	99	94	90	99	93	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	105	100	97	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	112	108	105	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	108	106	104	97
5.00	115	113	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			

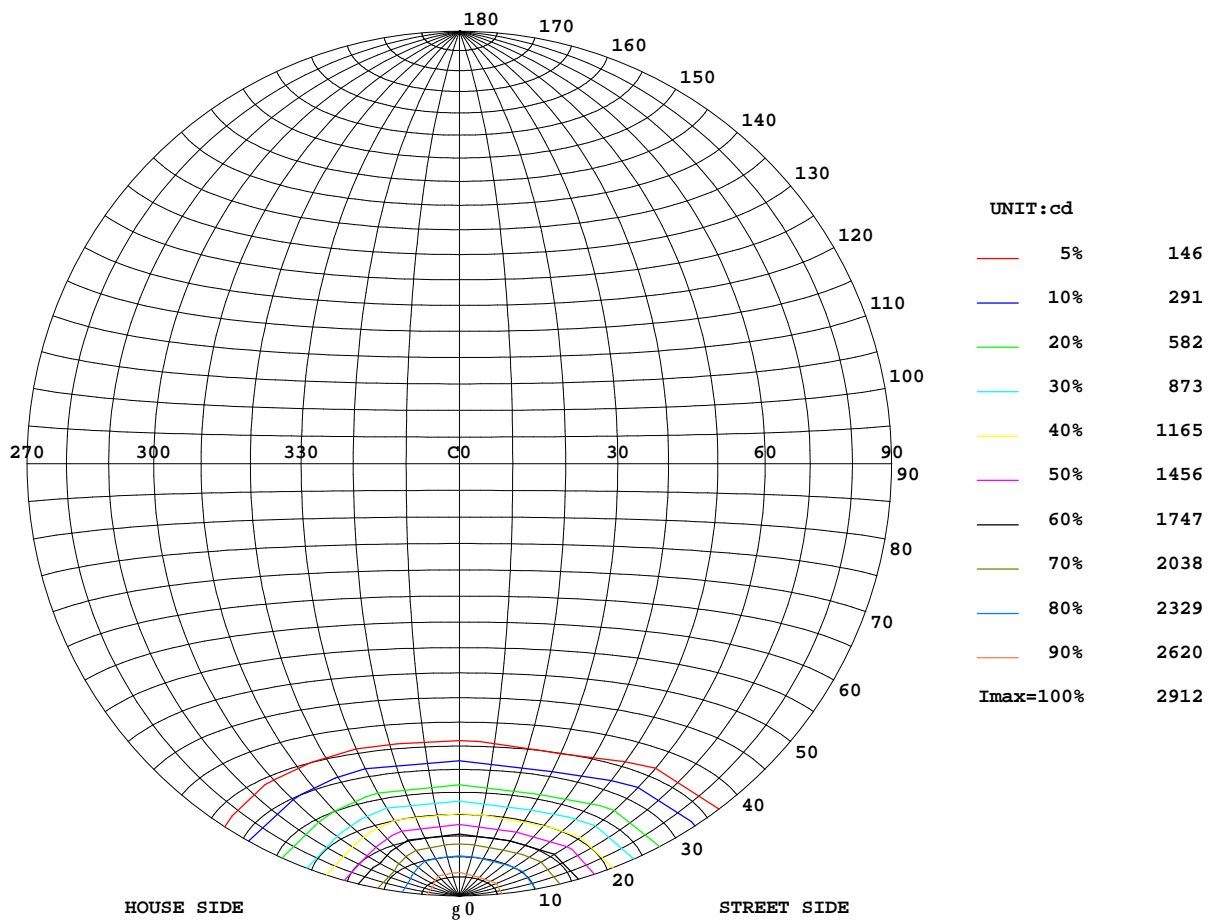
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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-R15W-5CCT-4RR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 2700	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



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

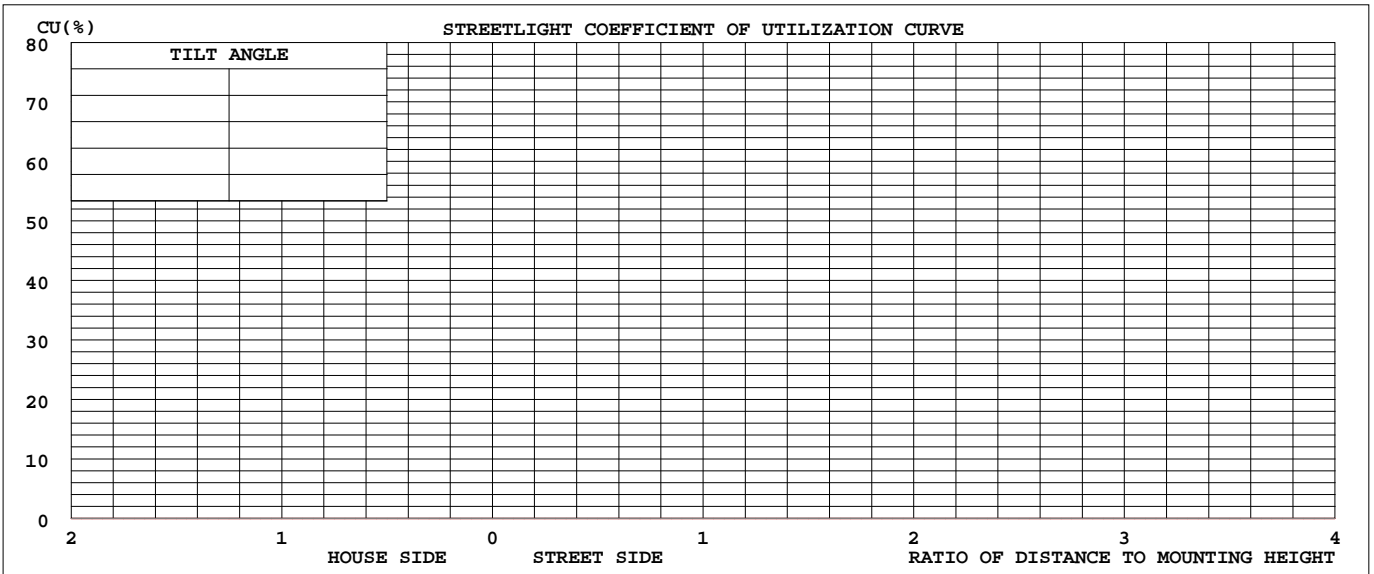
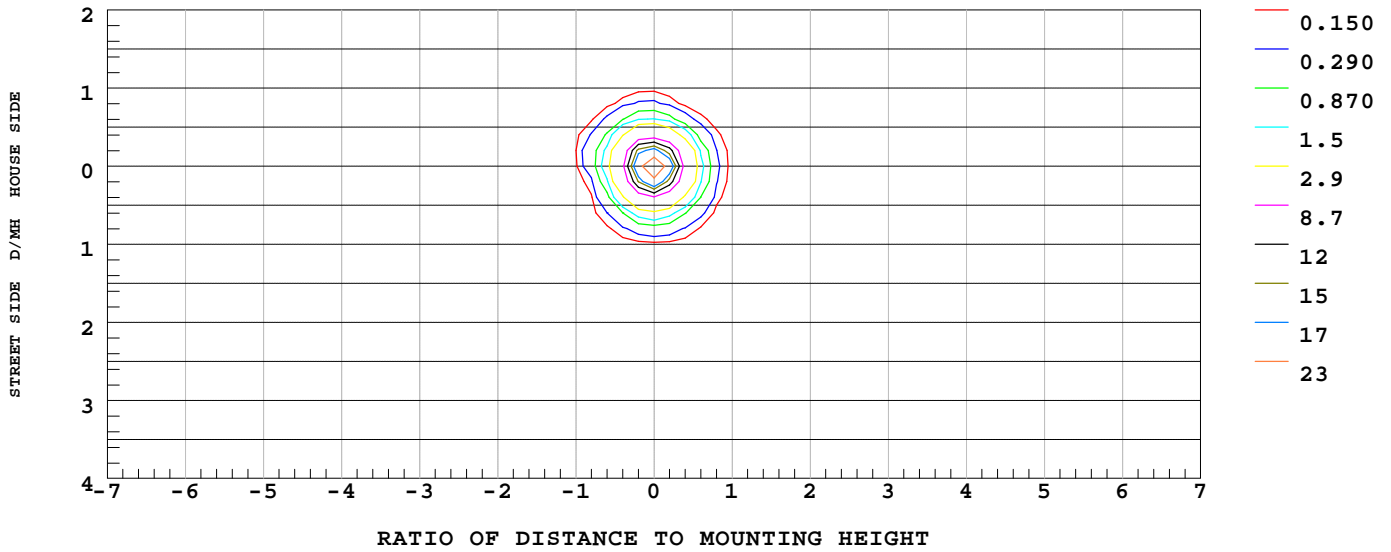
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 29.12 lx



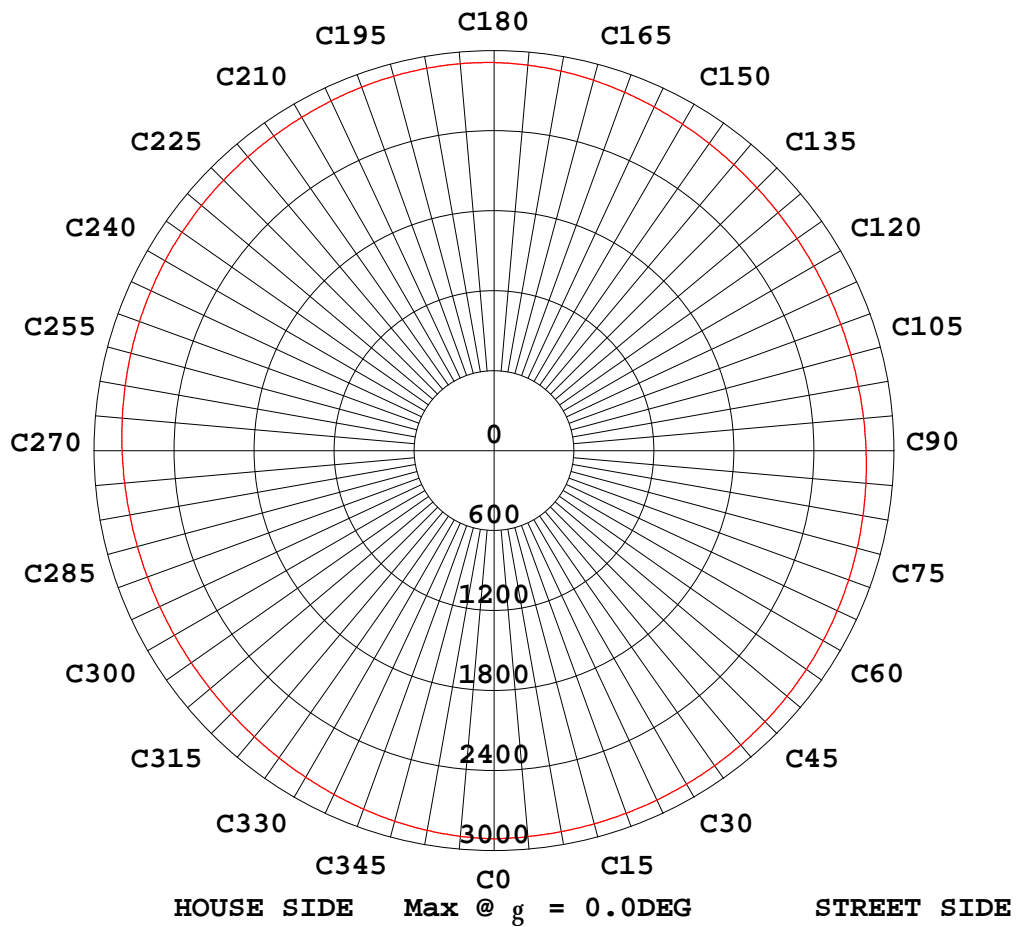
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 2700	DIMENSION:	SERIAL No.:



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-R15W-5CCT-4RR-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	2912	2888	2851	2790	2769	2828	2912	2888	2851	2790	2769	2828
5.0	2699	2660	2668	2663	2592	2647	2668	2634	2564	2557	2665	2660
10.0	2344	2313	2345	2344	2215	2258	2275	2262	2136	2087	2316	2320
15.0	1800	1751	1831	1866	1638	1702	1705	1680	1510	1495	1765	1771
20.0	1187	1119	1215	1252	1083	1097	1056	1045	934	948	1162	1195
25.0	703	656	745	776	658	643	610	613	529	541	681	708
30.0	381	344	414	435	371	359	322	321	256	279	364	391
35.0	180	136	196	215	192	191	139	140	91.5	97.5	194	200
40.0	81.0	48.9	81.6	79.2	88.9	72.3	55.9	58.7	34.0	56.0	68.9	97.2
45.0	35.8	21.4	34.7	29.1	37.8	27.3	23.0	27.9	17.3	27.9	27.2	41.6
50.0	24.3	15.4	23.1	17.0	24.5	16.8	14.7	19.8	13.2	19.6	16.1	24.8
55.0	19.2	12.1	19.4	13.7	18.6	12.3	11.1	16.1	10.3	13.9	13.0	20.0
60.0	13.6	7.69	14.5	8.70	11.5	6.89	6.82	11.6	6.68	10.5	8.38	14.3
65.0	10.0	5.15	10.7	5.77	9.01	5.08	5.18	9.39	4.80	7.27	5.88	10.6
70.0	6.68	2.71	7.03	2.85	6.23	2.74	3.16	6.64	2.64	5.91	3.20	7.20
75.0	5.39	2.01	5.32	2.15	5.18	2.01	2.47	5.53	1.94	4.73	2.36	5.81
80.0	4.28	1.35	4.28	1.42	4.17	1.32	1.77	4.52	1.35	3.72	1.70	4.76
85.0	3.41	0.91	3.44	0.91	3.34	0.84	1.25	3.65	1.04	3.23	1.21	3.86
90.0	2.95	0.73	2.92	0.70	2.85	0.70	1.11	3.06	0.87	2.95	0.91	3.16
95.0	2.74	0.77	2.68	0.70	2.64	0.73	1.14	2.81	0.87	2.78	0.87	2.88
100.0	2.57	0.77	2.50	0.73	2.47	0.77	1.14	2.64	0.91	2.61	0.87	2.71
105.0	2.43	0.80	2.36	0.77	2.36	0.77	1.14	2.50	0.91	2.43	0.91	2.54
110.0	2.33	0.84	2.22	0.80	2.22	0.84	1.18	2.36	0.91	2.29	0.91	2.40
115.0	2.22	0.87	2.12	0.84	2.12	0.87	1.18	2.22	0.91	2.19	0.91	2.26
120.0	2.12	0.91	2.05	0.87	2.05	0.91	1.21	2.12	0.94	2.08	0.94	2.15
125.0	2.05	0.97	1.98	0.94	2.01	1.00	1.28	2.01	0.97	2.01	0.97	2.08
130.0	2.08	1.11	1.94	1.04	2.01	1.14	1.39	2.01	1.11	2.01	1.07	2.08
135.0	2.15	1.32	2.01	1.25	2.12	1.35	1.63	2.08	1.32	2.12	1.28	2.15
140.0	2.40	1.70	2.22	1.53	2.36	1.74	1.98	2.29	1.67	2.36	1.60	2.33
145.0	2.78	2.22	2.57	2.01	2.78	2.26	2.50	2.68	2.22	2.78	2.08	2.74
150.0	3.37	2.88	3.09	2.64	3.34	2.92	3.20	3.23	2.88	3.34	2.71	3.27
155.0	4.07	3.65	3.79	3.37	4.00	3.68	4.03	3.93	3.65	4.07	3.44	3.96
160.0	4.83	4.49	4.52	4.17	4.69	4.49	4.87	4.69	4.49	4.87	4.28	4.66
165.0	5.63	5.25	5.25	4.94	5.39	5.25	5.70	5.46	5.22	5.60	5.04	5.43
170.0	6.26	5.88	5.91	5.60	5.95	5.84	6.43	6.12	5.84	6.19	5.63	6.02
175.0	6.78	6.33	6.37	6.12	6.09	6.47	6.92	6.57	6.26	6.64	6.09	6.47
180.0	7.10	6.75	6.37	6.68	6.23	6.64	7.10	6.75	6.37	6.68	6.23	6.64

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: