

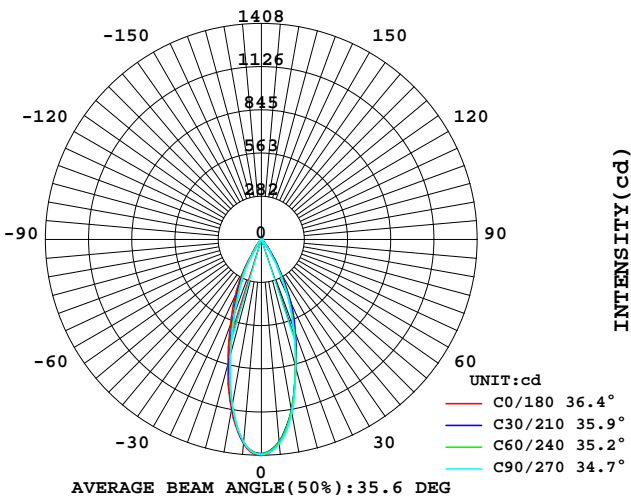
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

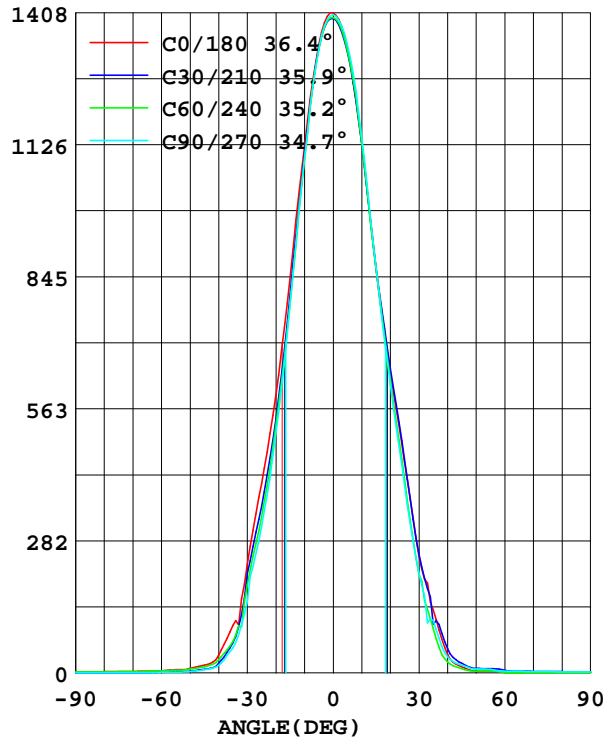
MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	1409	S/MH(C0/180)	0.57
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.54
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	621.4	Voltage(V)	121.0
RATED VOLTAGE(V)	122	EFFICIENCY(lm/W)	71.1	Current(A)	0.074
NOMINAL FLUX(lm)	621.4	h up(%)	1.5	Power(W)	8.740
LAMPS QUANTITY	1	h down(%)	98.5	Power Factor(PF)	0.972
TEST VOLTAGE(V)	121.0	Effective Flux(lm)	621.4	EEL	0.167

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



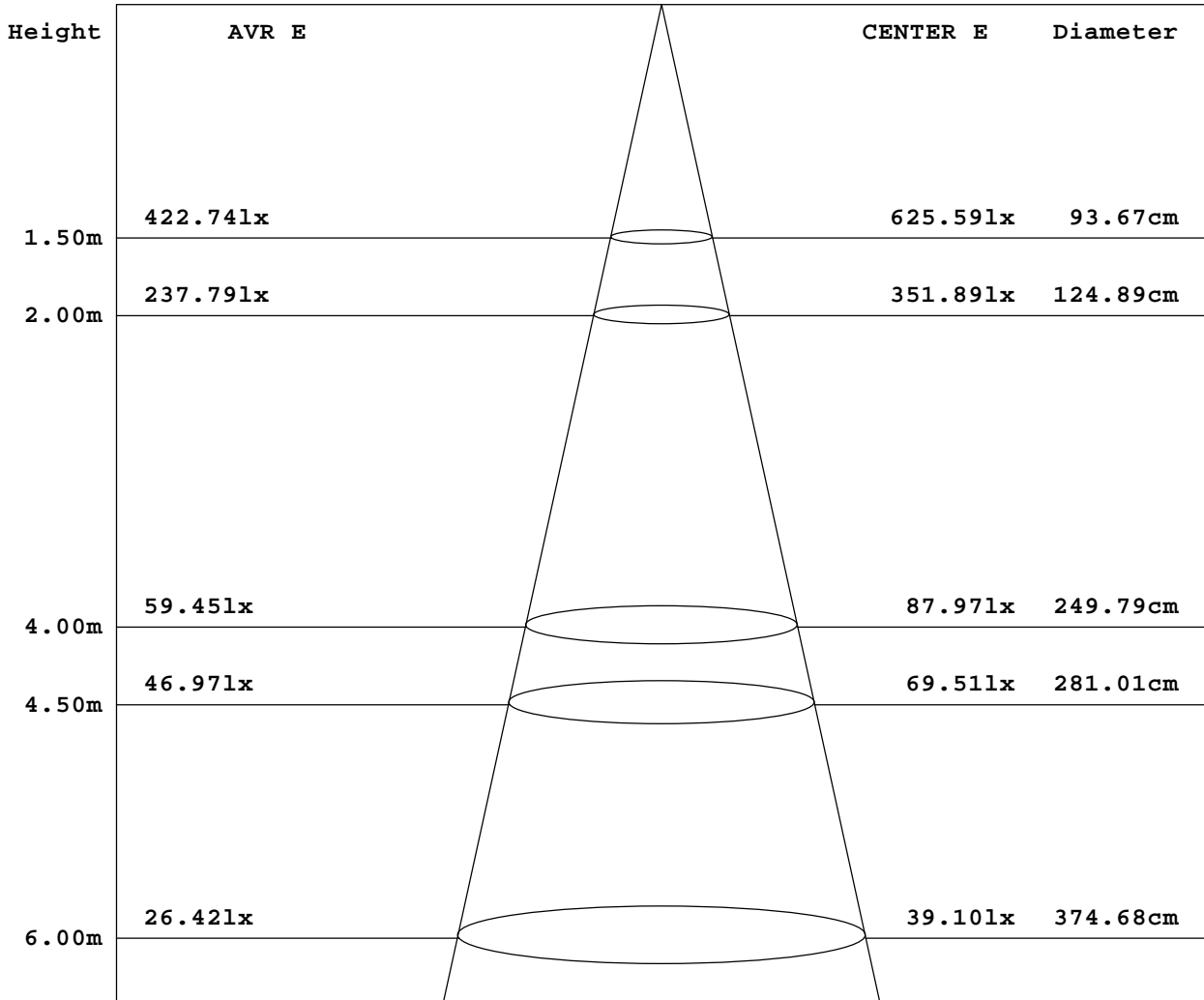
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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): 5000	DIMENSION:	SERIAL No.:



Angle: 34.7deg

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:</b> JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 5000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tBtal
5.0	1338	1330	1327	1340	1331	1324	1338	1331	0- 5	32.71	32.71
10.0	1123	1102	1098	1124	1133	1132	1146	1131	5- 10	87.66	120.3
15.0	844.4	799.0	788.5	835.7	864.2	863.3	866.4	852.8	10- 15	115.5	235.9
20.0	590.5	532.0	508.9	575.8	638.3	636.9	615.1	595.6	15- 20	115.6	351.6
25.0	404.1	345.1	313.5	385.1	449.6	435.6	402.2	396.6	20- 25	101.0	452.6
30.0	231.7	199.6	150.9	211.0	250.8	232.8	213.6	210.0	25- 30	75.77	528.4
35.0	100.9	65.91	53.67	100.1	134.1	99.50	111.4	100.5	30- 35	41.99	570.4
40.0	37.24	23.60	16.25	34.21	39.37	37.52	34.49	31.43	35- 40	20.35	590.7
45.0	16.81	10.59	6.996	14.02	13.08	14.96	16.77	14.15	40- 45	7.362	598.1
50.0	9.677	6.143	3.306	6.509	4.177	6.770	8.284	6.022	45- 50	3.796	601.9
55.0	6.857	3.916	1.879	4.838	4.420	6.666	7.727	5.395	50- 55	2.424	604.3
60.0	4.351	3.202	1.392	3.846	2.088	3.150	4.037	3.776	55- 60	2.052	606.3
65.0	3.724	2.018	0.522	2.001	0.870	2.175	3.550	2.071	60- 65	1.201	607.5
70.0	3.306	1.792	0.487	1.792	0.870	1.966	3.167	1.862	65- 70	1.007	608.6
75.0	3.028	1.653	0.487	1.636	0.870	1.792	2.854	1.740	70- 75	0.947	609.5
80.0	2.749	1.531	0.487	1.496	0.870	1.670	2.645	1.618	75- 80	0.896	610.4
85.0	2.506	1.444	0.487	1.409	0.870	1.583	2.436	1.514	80- 85	0.848	611.2
90.0	2.367	1.357	0.487	1.322	0.905	1.479	2.297	1.427	85- 90	0.805	612.0
95.0	2.193	1.287	0.487	1.253	0.905	1.427	2.158	1.357	90- 95	0.766	612.8
100.0	2.088	1.253	0.522	1.200	0.940	1.340	2.018	1.305	95-100	0.726	613.5
105.0	1.984	1.183	0.522	1.166	0.905	1.305	1.879	1.235	100-105	0.687	614.2
110.0	1.879	1.166	0.557	1.113	0.940	1.235	1.775	1.183	105-110	0.646	614.9
115.0	1.810	1.113	0.557	1.096	0.940	1.200	1.670	1.131	110-115	0.604	615.5
120.0	1.705	1.131	0.592	1.061	0.975	1.148	1.601	1.096	115-120	0.563	616.0
125.0	1.670	1.113	0.627	1.061	1.009	1.113	1.531	1.079	120-125	0.526	616.6
130.0	1.670	1.166	0.731	1.096	1.113	1.131	1.496	1.113	125-130	0.499	617.1
135.0	1.740	1.270	0.870	1.200	1.218	1.200	1.496	1.183	130-135	0.487	617.6
140.0	1.879	1.462	1.079	1.357	1.427	1.340	1.566	1.340	135-140	0.492	618.0
145.0	2.088	1.705	1.357	1.583	1.705	1.566	1.775	1.566	140-145	0.508	618.6
150.0	2.367	2.018	1.740	1.914	2.088	1.862	2.018	1.862	145-150	0.529	619.1
155.0	2.715	2.419	2.158	2.262	2.471	2.245	2.367	2.227	150-155	0.541	619.6
160.0	3.098	2.819	2.575	2.662	2.924	2.645	2.784	2.645	155-160	0.531	620.2
165.0	3.481	3.202	2.958	3.028	3.376	3.063	3.202	3.028	160-165	0.485	620.6
170.0	3.794	3.515	3.306	3.324	3.724	3.393	3.550	3.324	165-170	0.392	621.0
175.0	3.968	3.724	3.515	3.515	3.968	3.620	3.759	3.533	170-175	0.255	621.3
180.0	4.107	3.707	3.863	3.585	4.107	3.707	3.863	3.585	175-180	0.089	621.4
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:

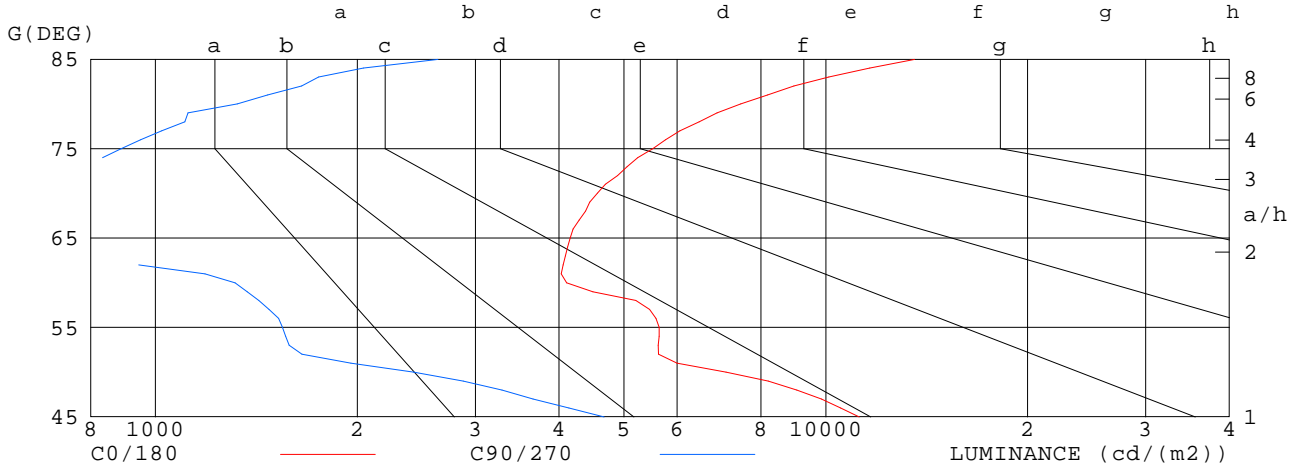
## LUMINANCE LIMITATION CURVES

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): 5000</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	13565	2638
80	7470	1324
75	5519	888
70	4561	672
65	4157	583
60	4105	1314
55	5640	1546
50	7101	2427
45	11216	4667

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

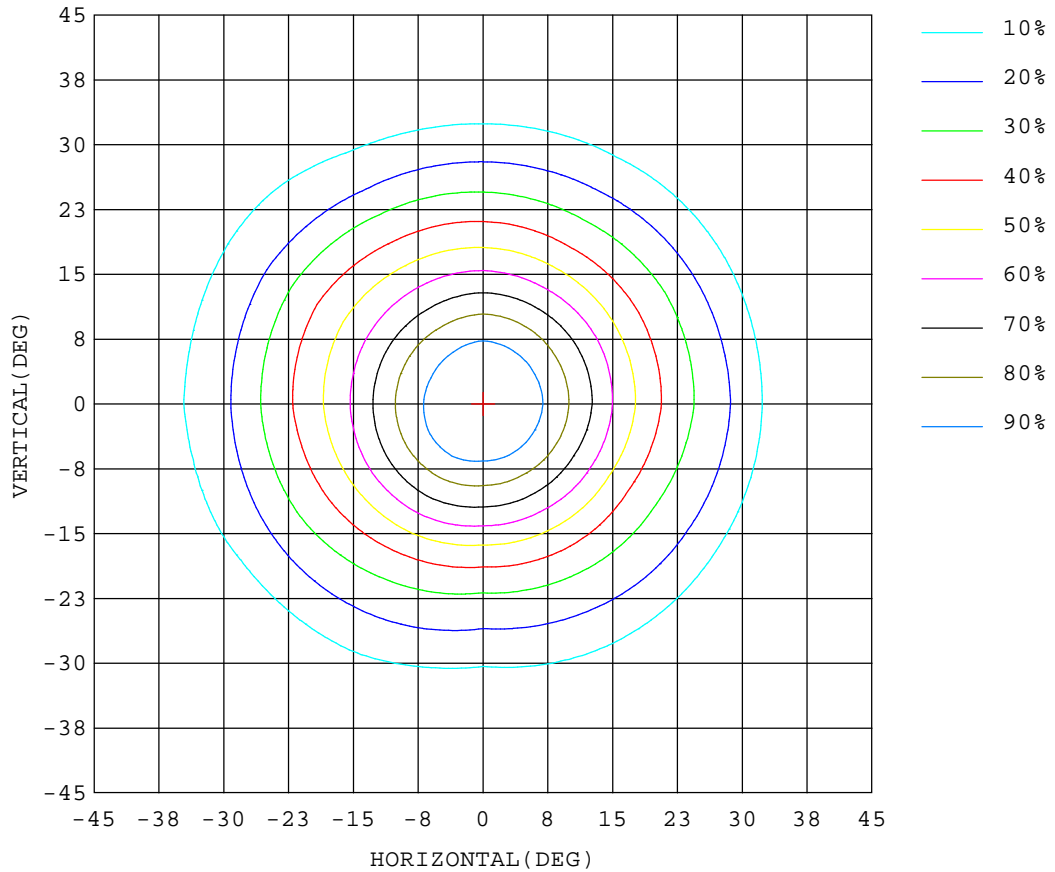
**Test Set:** 5.0deg/s C-Gamma (TYPE C)  
**Humidity:**65.0%  
**Test Distance:**5.900 m  
**Remarks:**

# ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b> JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 5000	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



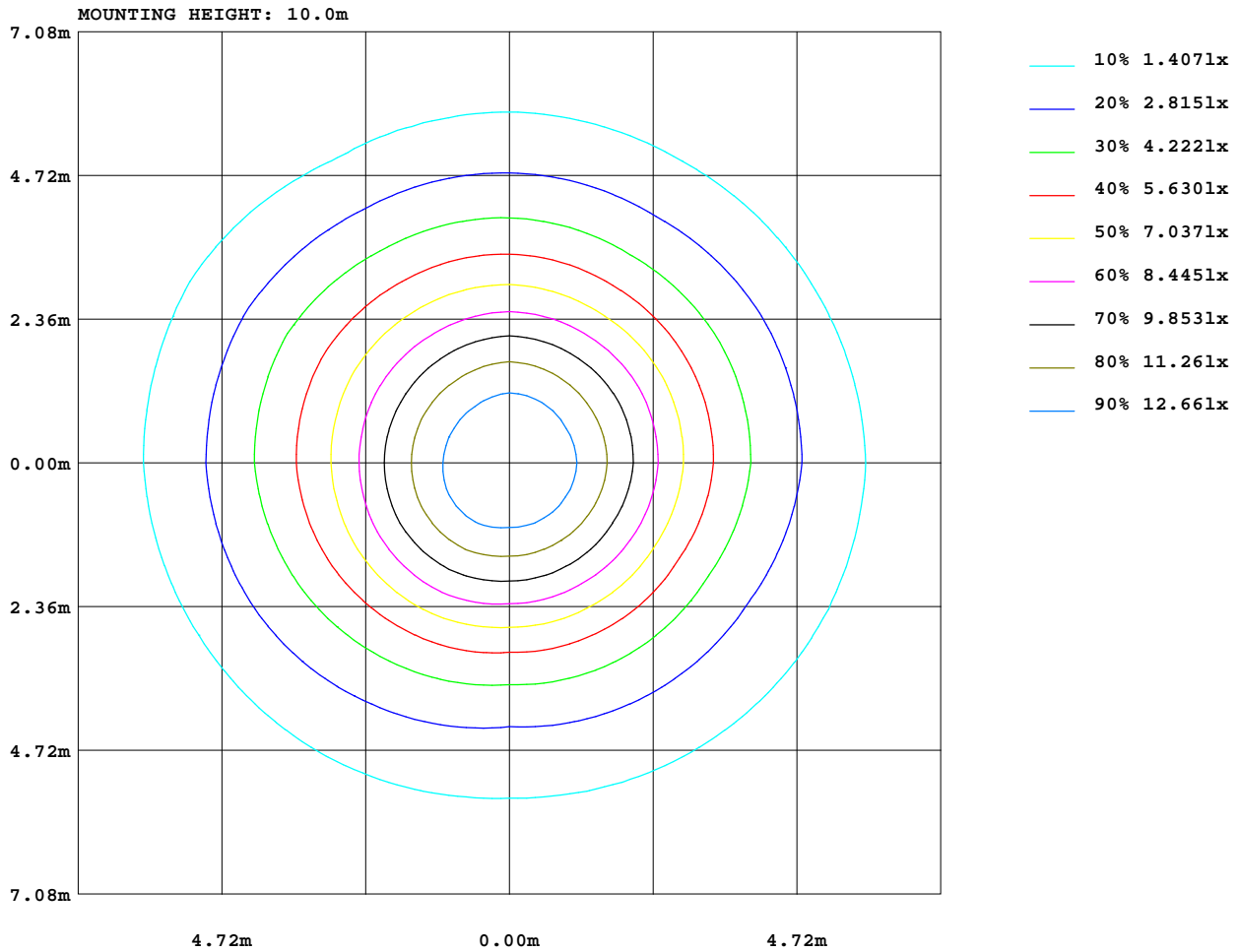
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/01/16

**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): 5000</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): 5000</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	0.07	0.11	0.14	0.17	0.17	0.14	0.11	0.08	0.05	0.04	0.03	0.04	0.03	1.40	1.40
40	0.05	0.05	0.06	0.09	0.11	0.16	0.26	0.39	0.49	0.49	0.41	0.28	0.17	0.11	0.09	0.06	0.04	0.04	3.35	3.35
35	0.05	0.07	0.11	0.19	0.31	0.50	0.77	0.99	1.10	1.08	0.96	0.75	0.52	0.30	0.16	0.10	0.07	0.04	8.08	8.08
30	0.06	0.12	0.22	0.45	0.77	1.17	1.61	2.03	2.26	2.25	1.98	1.53	1.04	0.68	0.38	0.17	0.10	0.06	16.9	16.9
25	0.07	0.17	0.45	0.83	1.41	2.11	2.88	3.49	3.80	3.75	3.36	2.72	1.97	1.18	0.69	0.34	0.14	0.08	29.4	29.4
20	0.09	0.26	0.67	1.32	2.19	3.28	4.23	5.03	5.52	5.47	4.87	3.96	2.99	1.96	1.00	0.55	0.20	0.09	43.7	43.7
15	0.11	0.36	0.91	1.74	3.01	4.28	5.51	6.67	7.48	7.48	6.61	5.28	3.91	2.68	1.49	0.68	0.29	0.11	58.6	58.6
10	0.13	0.45	1.10	2.11	3.54	4.99	6.59	8.24	9.30	9.32	8.25	6.50	4.66	3.17	1.90	0.82	0.37	0.12	71.6	71.6
5	0.13	0.50	1.21	2.33	3.80	5.36	7.29	9.17	10.2	10.3	9.18	7.23	5.10	3.43	2.12	0.92	0.41	0.13	78.9	78.9
0	0.12	0.49	1.18	2.29	3.72	5.29	7.28	9.19	10.3	10.3	9.12	7.13	5.00	3.35	2.10	0.90	0.39	0.12	78.3	78.3
-5	0.11	0.41	1.02	2.02	3.34	4.74	6.47	8.20	9.19	9.10	7.99	6.20	4.36	2.96	1.83	0.75	0.32	0.10	69.1	69.1
-10	0.09	0.29	0.80	1.59	2.74	3.88	5.13	6.41	7.13	7.04	6.16	4.83	3.48	2.41	1.40	0.55	0.22	0.08	54.3	54.3
-15	0.07	0.18	0.55	1.09	1.99	2.91	3.73	4.45	4.85	4.79	4.30	3.48	2.62	1.80	0.85	0.35	0.13	0.06	38.2	38.2
-20	0.05	0.11	0.32	0.70	1.22	1.93	2.53	2.92	3.08	3.04	2.80	2.35	1.78	1.02	0.46	0.19	0.07	0.05	24.6	24.6
-25	0.03	0.07	0.16	0.39	0.70	1.03	1.44	1.74	1.84	1.82	1.67	1.32	0.86	0.49	0.25	0.10	0.05	0.03	14.0	14.0
-30	0.02	0.05	0.09	0.17	0.34	0.55	0.66	0.74	0.75	0.73	0.66	0.53	0.40	0.24	0.12	0.07	0.04	0.02	6.18	6.18
-35	0.02	0.03	0.06	0.10	0.14	0.22	0.28	0.30	0.28	0.26	0.26	0.22	0.17	0.12	0.08	0.05	0.03	0.02	2.61	2.61
-40	0.02	0.03	0.04	0.06	0.09	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.05	0.03	0.02	0.02	1.18	1.18
-45	0.02	0.03	0.04	0.06	0.09	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.05	0.03	0.02	0.02	1.18	1.18
	-45	-40	-35	-30	-25	-20	-15	-10	0	5	10	15	20	25	30	35	40	45		
$\Phi t$	1.26	3.68	9.01	17.5	29.5	42.6	56.9	70.2	78.0	77.5	68.8	54.6	39.2	26.0	15.0	6.65	2.91	1.20	621	
$\Phi a$	1.26	3.68	9.01	17.5	29.5	42.6	56.9	70.2	78.0	77.5	68.8	54.6	39.2	26.0	15.0	6.65	2.91	1.20		621

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

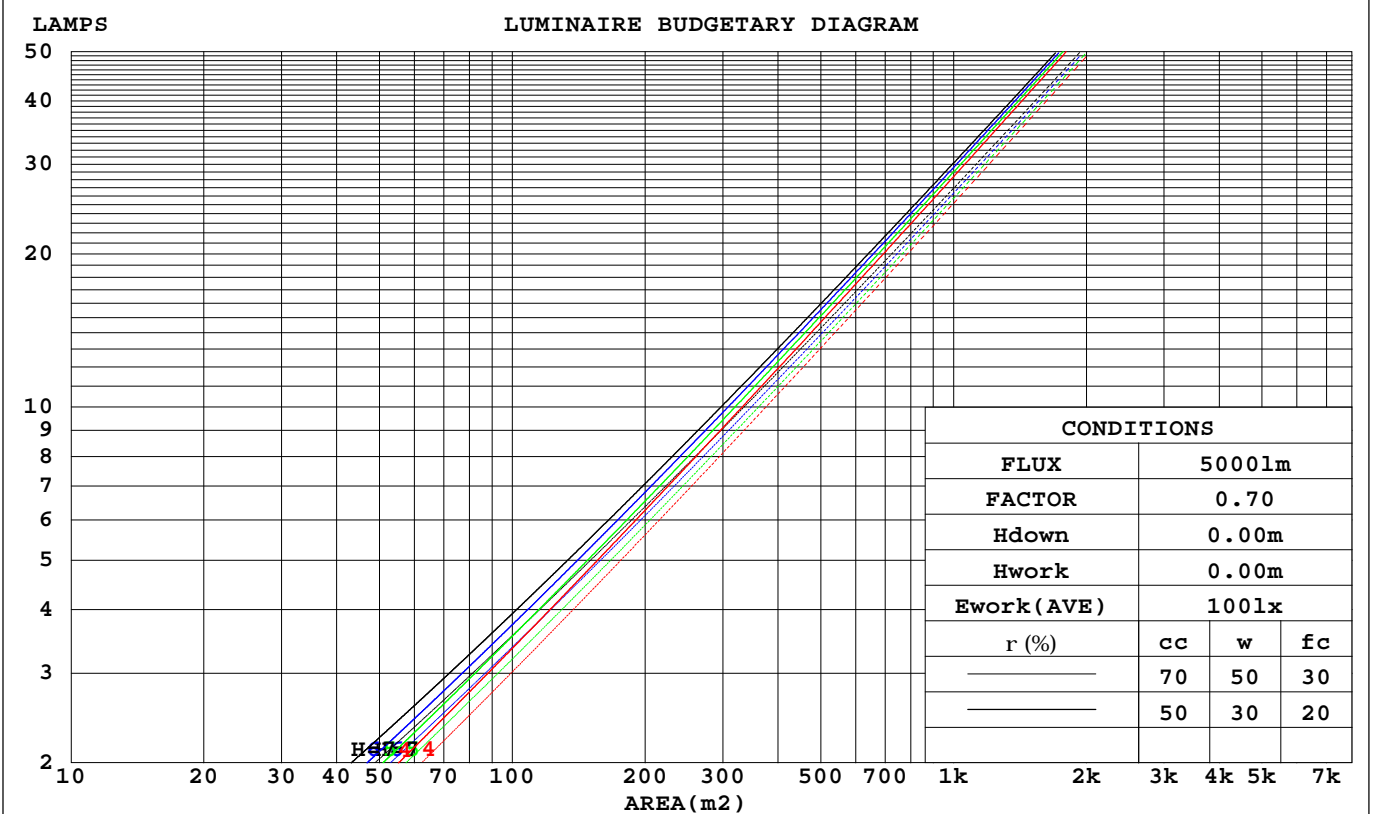
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## 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> 5000		<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	1.02	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	.92	.90	.88
3.0	.99	.94	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.90	.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	.80	.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	.73	.71	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.72	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66
9.0	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.70	.67	.64	.63
10.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.69	.65	.62	.68	.64	.62	.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): 5000	<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	.163	.093	.029	.156	.089	.028	.143	.082	.026	.131	.075	.024	.119	.069	.022	
2.0	.153	.084	.026	.147	.081	.025	.136	.075	.023	.125	.070	.022	.116	.065	.021	
3.0	.144	.077	.023	.139	.074	.022	.129	.070	.021	.120	.066	.020	.112	.062	.019	
4.0	.136	.071	.021	.131	.069	.020	.123	.065	.020	.116	.062	.019	.108	.059	.018	
5.0	.129	.066	.019	.125	.064	.019	.118	.061	.018	.111	.059	.017	.105	.056	.017	
6.0	.122	.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	.111	.054	.015	.109	.054	.015	.104	.052	.015	.099	.050	.014	.095	.049	.014	
9.0	.107	.052	.014	.104	.051	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	
10.0	.102	.049	.014	.100	.048	.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
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.182	.169	.157	.155	.145	.136	.106	.100	.094	.061	.058	.055	.020	.019	.018	
2.0	.165	.144	.126	.142	.124	.109	.097	.086	.076	.056	.050	.045	.018	.016	.015	
3.0	.152	.125	.104	.130	.108	.090	.089	.075	.063	.052	.044	.037	.017	.014	.012	
4.0	.141	.110	.087	.121	.095	.076	.083	.066	.053	.048	.039	.031	.015	.013	.010	
5.0	.131	.098	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
6.0	.123	.089	.064	.106	.077	.056	.073	.054	.039	.042	.032	.023	.014	.010	.008	
7.0	.116	.081	.056	.100	.070	.049	.069	.049	.035	.040	.029	.021	.013	.009	.007	
8.0	.110	.075	.050	.095	.065	.044	.066	.045	.031	.038	.027	.018	.012	.009	.006	
9.0	.105	.069	.045	.090	.060	.039	.063	.042	.028	.036	.025	.017	.012	.008	.006	
10.0	.100	.065	.041	.086	.056	.036	.060	.039	.025	.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): 5000			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	12.9	13.7	13.2	13.9	14.1	12.7	13.5	12.9	13.6	13.8
3H	13.0	13.8	13.3	14.0	14.2	12.6	13.4	12.9	13.6	13.8
4H	13.3	14.0	13.6	14.2	14.5	12.6	13.3	12.9	13.6	13.8
6H	13.7	14.4	14.0	14.7	14.9	12.6	13.3	12.9	13.6	13.8
8H	14.1	14.8	14.4	15.0	15.3	12.6	13.3	13.0	13.6	13.8
12H	14.7	15.3	15.0	15.6	15.9	12.7	13.3	13.0	13.6	13.9
4H 2H	12.8	13.5	13.0	13.7	13.9	12.5	13.2	12.8	13.5	13.7
3H	12.9	13.5	13.2	13.8	14.1	12.7	13.3	13.0	13.6	13.9
4H	13.1	13.7	13.5	14.0	14.4	12.9	13.4	13.2	13.7	14.1
6H	13.7	14.2	14.1	14.6	15.0	13.1	13.6	13.5	13.9	14.3
8H	14.3	14.7	14.7	15.1	15.5	13.2	13.7	13.6	14.0	14.4
12H	15.1	15.5	15.5	15.9	16.3	13.3	13.8	13.8	14.2	14.6
8H 4H	13.2	13.6	13.6	14.0	14.4	12.9	13.4	13.3	13.8	14.1
6H	13.8	14.2	14.2	14.6	15.0	13.5	13.9	14.0	14.3	14.8
8H	14.4	14.7	14.8	15.1	15.6	14.0	14.3	14.4	14.7	15.2
12H	15.3	15.6	15.8	16.1	16.6	14.4	14.7	14.9	15.2	15.7
12H 4H	13.2	13.6	13.6	14.0	14.4	12.9	13.3	13.3	13.7	14.1
6H	13.9	14.2	14.3	14.6	15.1	13.6	13.9	14.1	14.4	14.8
8H	14.5	14.7	15.0	15.2	15.7	14.2	14.5	14.7	14.9	15.4
Variations with the observer position at spacings:										
S = 1.0H	+ 3.2 / - 2.1					+ 1.2 / - 1.3				
1.5H	+ 5.5 / - 2.5					+ 2.6 / - 1.6				
2.0H	+ 2.6 / - 1.0					+ 0.7 / - 0.9				

CIE Pub.117 Corrected 621.4 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): 5000	<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	82	79	88	82	79	87	82	79	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	90
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	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			

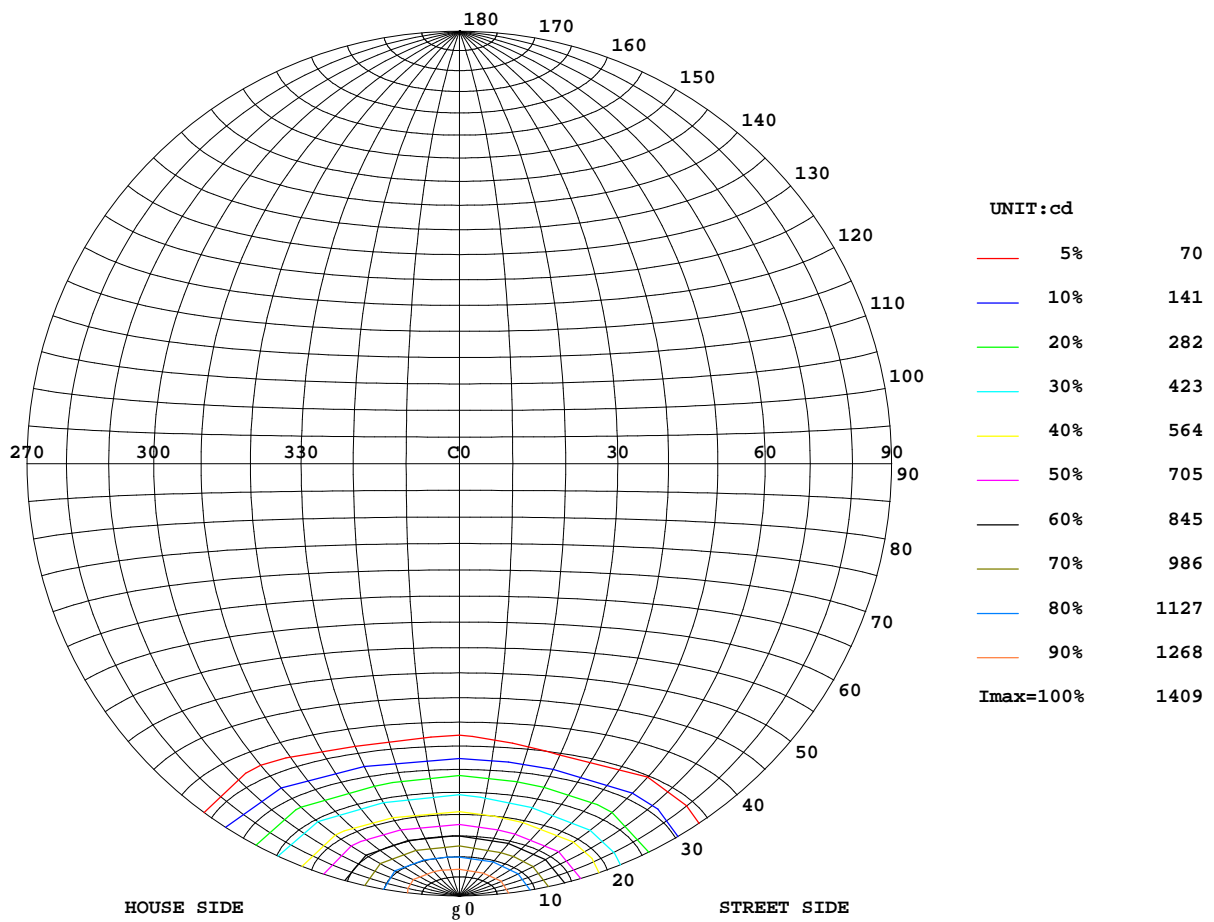
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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): 5000</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



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

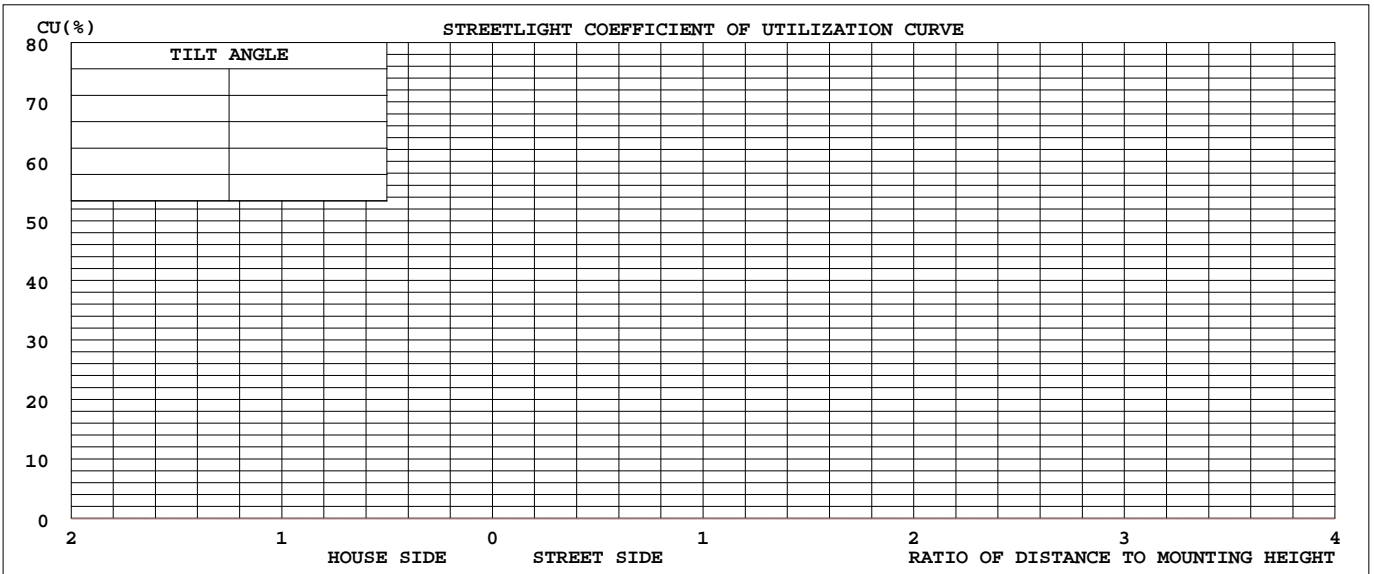
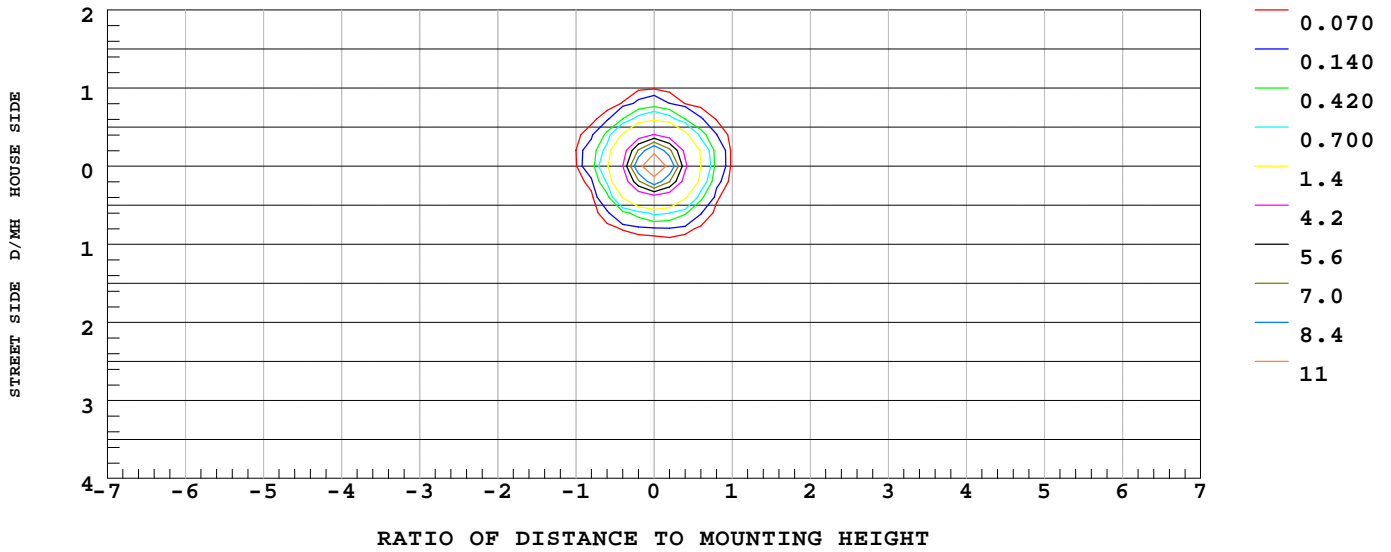
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 14.08 lx



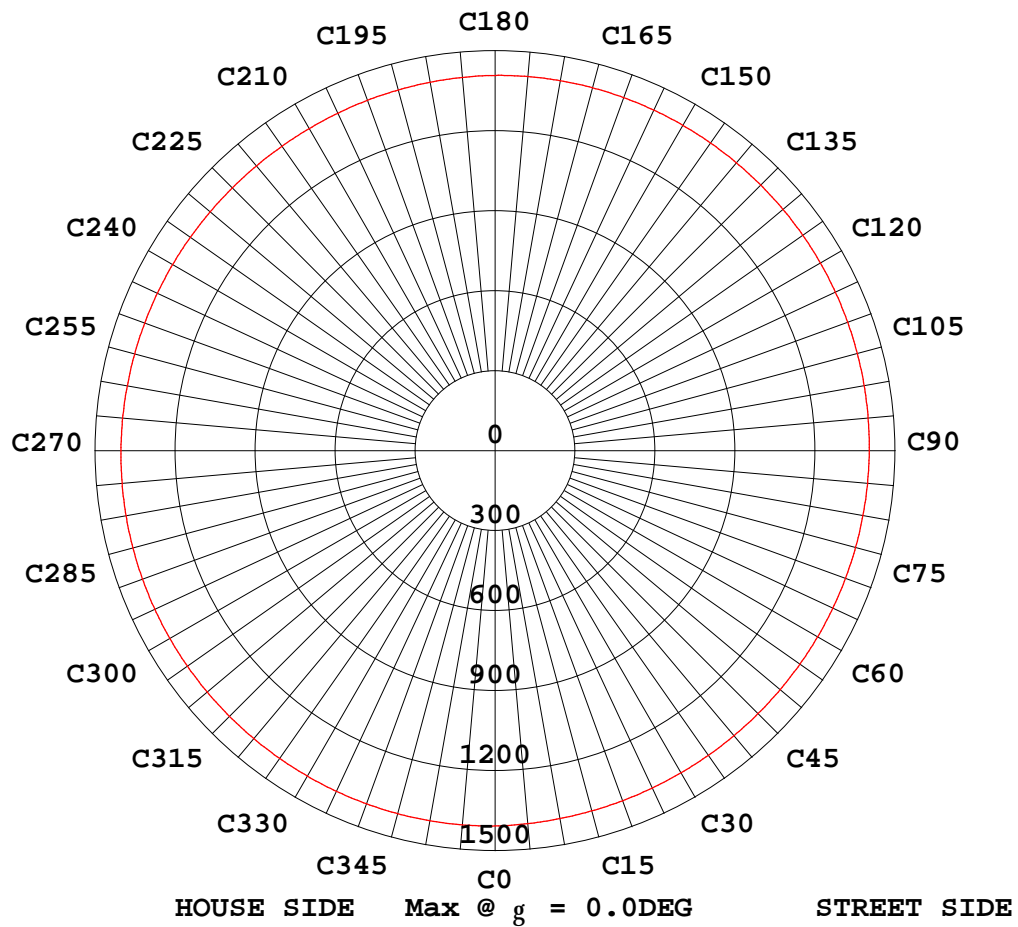
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/01/16

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:</b> JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	CCT(K): 5000	<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:

## 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): 5000</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	1408	1395	1397	1403	1409	1409	1408	1395	1397	1403	1409	1409
5.0	1338	1331	1328	1327	1342	1339	1331	1322	1325	1338	1334	1329
10.0	1123	1108	1095	1098	1119	1130	1133	1132	1132	1146	1135	1126
15.0	844	808	791	789	823	848	864	864	863	866	852	853
20.0	591	539	525	509	550	601	638	649	625	615	592	599
25.0	404	356	334	314	359	412	450	456	415	402	387	406
30.0	232	212	188	151	199	223	251	254	211	214	206	214
35.0	101	64.6	67.2	53.6	94.9	105	134	104	94.7	111	92.9	108
40.0	37.2	19.8	27.3	16.2	35.8	32.6	39.3	51.5	23.5	34.4	25.8	37.0
45.0	16.8	7.72	13.4	6.99	15.4	12.6	13.0	20.5	9.39	16.7	10.7	17.5
50.0	9.67	3.93	8.35	3.30	9.25	3.75	4.17	9.64	3.89	8.28	3.16	8.87
55.0	6.85	2.19	5.63	1.87	6.75	2.92	4.42	9.15	4.17	7.72	3.65	7.13
60.0	4.35	1.67	4.73	1.39	5.60	2.08	2.08	5.53	0.77	4.03	1.87	5.67
65.0	3.72	0.59	3.44	0.52	3.48	0.52	0.87	3.79	0.56	3.55	0.56	3.58
70.0	3.30	0.56	3.02	0.49	3.09	0.49	0.87	3.37	0.56	3.16	0.52	3.20
75.0	3.02	0.56	2.74	0.49	2.78	0.49	0.87	3.02	0.56	2.85	0.56	2.92
80.0	2.74	0.56	2.50	0.49	2.54	0.45	0.87	2.78	0.56	2.64	0.56	2.68
85.0	2.50	0.56	2.33	0.49	2.36	0.45	0.87	2.57	0.59	2.43	0.56	2.47
90.0	2.36	0.56	2.15	0.49	2.15	0.49	0.91	2.36	0.59	2.29	0.56	2.29
95.0	2.19	0.56	2.01	0.49	2.01	0.49	0.91	2.22	0.63	2.15	0.56	2.15
100.0	2.08	0.59	1.91	0.52	1.91	0.49	0.94	2.08	0.59	2.01	0.59	2.01
105.0	1.98	0.59	1.77	0.52	1.81	0.52	0.91	1.98	0.63	1.87	0.59	1.87
110.0	1.87	0.63	1.70	0.56	1.70	0.52	0.94	1.84	0.63	1.77	0.59	1.77
115.0	1.81	0.63	1.60	0.56	1.63	0.56	0.94	1.77	0.63	1.67	0.59	1.67
120.0	1.70	0.70	1.56	0.59	1.56	0.56	0.97	1.67	0.63	1.60	0.59	1.60
125.0	1.67	0.73	1.49	0.63	1.49	0.63	1.00	1.60	0.63	1.53	0.63	1.53
130.0	1.67	0.84	1.49	0.73	1.49	0.70	1.11	1.56	0.70	1.49	0.70	1.53
135.0	1.74	0.97	1.56	0.87	1.56	0.84	1.21	1.60	0.80	1.49	0.80	1.56
140.0	1.87	1.21	1.70	1.07	1.67	1.04	1.42	1.70	0.97	1.56	1.00	1.67
145.0	2.08	1.49	1.91	1.35	1.84	1.32	1.70	1.87	1.25	1.77	1.25	1.87
150.0	2.36	1.84	2.19	1.74	2.15	1.67	2.08	2.15	1.56	2.01	1.56	2.15
155.0	2.71	2.26	2.57	2.15	2.47	2.05	2.47	2.50	1.98	2.36	1.98	2.47
160.0	3.09	2.68	2.95	2.57	2.85	2.47	2.92	2.85	2.43	2.78	2.43	2.85
165.0	3.48	3.09	3.30	2.95	3.20	2.85	3.37	3.27	2.85	3.20	2.85	3.20
170.0	3.79	3.41	3.62	3.30	3.48	3.16	3.72	3.58	3.20	3.55	3.16	3.48
175.0	3.96	3.65	3.79	3.51	3.65	3.37	3.96	3.79	3.44	3.75	3.37	3.68
180.0	4.10	3.86	3.55	3.86	3.44	3.72	4.10	3.86	3.55	3.86	3.44	3.72

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: