

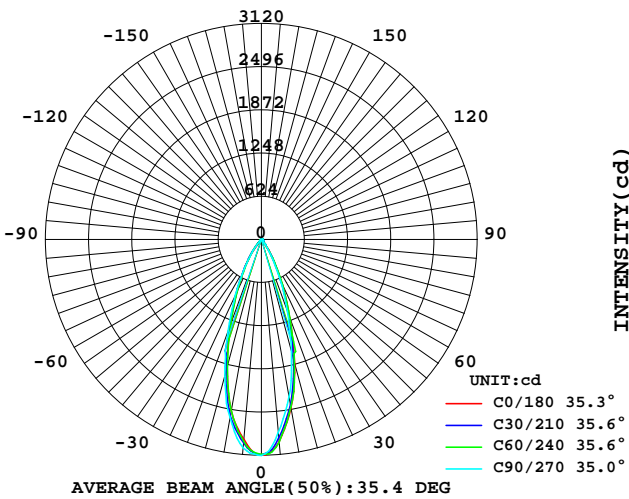
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

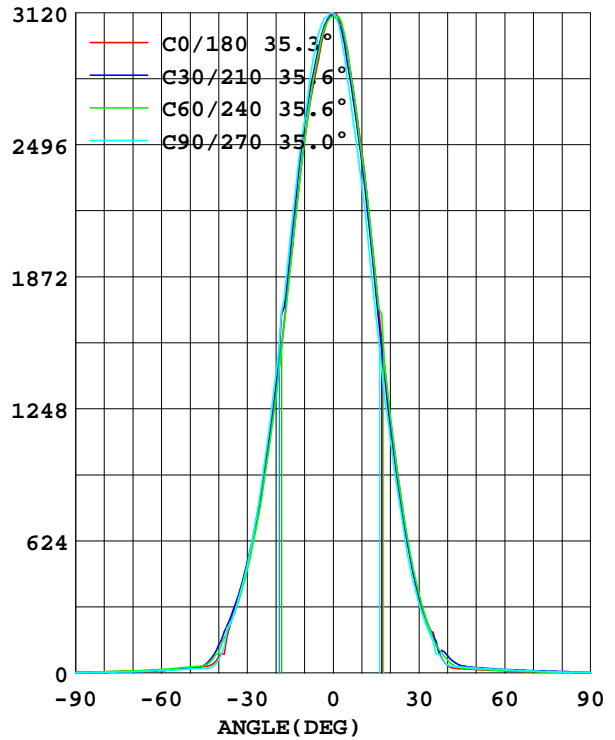
MANUFACTURER:			
Address:			
NAME: JXL-COB04-S15W-5CCT-4SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	DIMENSION:	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	3126	S/MH(C0/180)	0.58
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.61
NOMINAL POWER(W)	15	TOTAL FLUX(lm)	1354.0	Voltage(V)	120.4
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	90.3	Current(A)	0.126
NOMINAL FLUX(lm)	1354.0	h up(%)	1.1	Power(W)	15.00
LAMPS QUANTITY	1	h down(%)	98.9	Power Factor(PF)	0.987
TEST VOLTAGE(V)	120.4	Effective Flux(lm)	1354.0	EET	0.151

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



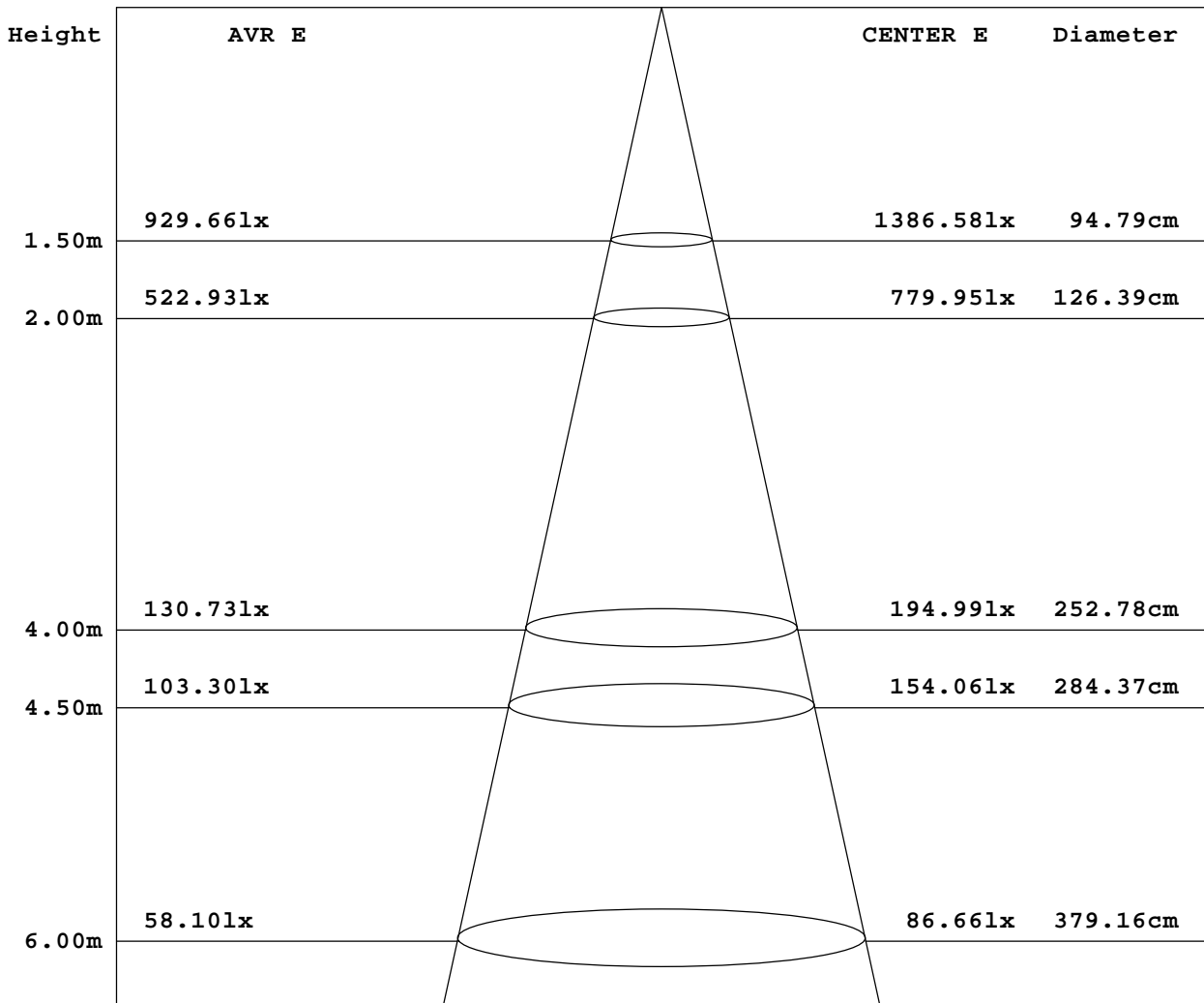
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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): 3500	DIMENSION:	SERIAL No.:



Angle: 35.1deg

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): 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tTotal
5.0	2903	2942	3025	2972	2938	2912	2806	2862	0- 5	72.19	72.19
10.0	2516	2555	2611	2525	2475	2442	2314	2419	5- 10	192.3	264.5
15.0	1915	1943	2049	1924	1858	1821	1687	1805	10- 15	257.7	522.2
20.0	1303	1327	1409	1253	1200	1186	1105	1207	15- 20	254.8	777.1
25.0	843.4	846.7	897.6	796.8	713.0	703.4	651.1	746.7	20- 25	208.5	985.7
30.0	513.2	505.7	508.9	450.8	354.1	371.9	328.0	421.8	25- 30	148.7	1134
35.0	277.0	277.9	263.3	230.8	191.1	165.9	147.1	210.2	30- 35	93.14	1228
40.0	75.08	112.4	61.96	83.40	35.19	71.37	38.18	75.46	35- 40	46.67	1274
45.0	30.52	36.56	21.72	36.20	19.73	28.90	27.36	32.73	40- 45	18.06	1292
50.0	24.85	25.46	19.07	23.34	16.39	22.03	23.07	23.39	45- 50	10.40	1303
55.0	18.17	19.70	14.06	18.86	12.94	17.89	18.51	18.11	50- 55	8.778	1312
60.0	15.28	14.01	11.97	14.44	11.13	14.16	15.94	13.78	55- 60	7.230	1319
65.0	11.41	11.08	8.598	11.71	8.249	11.46	10.82	10.86	60- 65	6.040	1325
70.0	9.329	7.762	6.022	8.685	6.892	8.545	8.911	7.849	65- 70	4.691	1330
75.0	7.414	6.196	4.699	6.996	5.534	6.840	6.648	6.196	70- 75	3.788	1333
80.0	5.256	4.299	2.993	5.256	4.003	5.082	4.212	4.647	75- 80	2.936	1336
85.0	3.515	2.854	1.427	3.481	2.332	3.463	3.306	3.237	80- 85	2.051	1338
90.0	3.063	1.931	0.731	2.071	1.113	2.071	3.063	2.123	85- 90	1.362	1340
95.0	2.819	1.775	0.731	1.775	1.148	1.931	2.854	1.966	90- 95	1.059	1341
100.0	2.645	1.705	0.766	1.705	1.148	1.862	2.715	1.879	95-100	0.998	1342
105.0	2.506	1.653	0.801	1.636	1.183	1.775	2.541	1.792	100-105	0.944	1343
110.0	2.367	1.601	0.835	1.583	1.183	1.688	2.401	1.705	105-110	0.886	1344
115.0	2.262	1.566	0.870	1.566	1.183	1.618	2.262	1.636	110-115	0.828	1344
120.0	2.158	1.549	0.905	1.531	1.218	1.583	2.123	1.601	115-120	0.774	1345
125.0	2.123	1.566	0.975	1.566	1.287	1.583	2.088	1.583	120-125	0.730	1346
130.0	2.123	1.636	1.113	1.653	1.462	1.688	2.123	1.670	125-130	0.707	1347
135.0	2.227	1.810	1.322	1.844	1.705	1.897	2.262	1.862	130-135	0.711	1347
140.0	2.506	2.140	1.740	2.193	2.158	2.245	2.575	2.193	135-140	0.749	1348
145.0	2.958	2.645	2.262	2.680	2.715	2.749	3.063	2.697	140-145	0.815	1349
150.0	3.585	3.359	2.993	3.341	3.481	3.428	3.724	3.393	145-150	0.896	1350
155.0	4.386	4.159	3.829	4.142	4.351	4.246	4.560	4.246	150-155	0.961	1351
160.0	5.221	5.047	4.734	5.012	5.256	5.134	5.465	5.151	155-160	0.976	1352
165.0	6.091	5.882	5.604	5.830	6.126	5.952	6.300	5.987	160-165	0.910	1353
170.0	6.822	6.613	6.370	6.509	6.857	6.648	6.996	6.648	165-170	0.747	1353
175.0	7.379	7.118	6.927	6.979	7.379	7.118	7.449	7.101	170-175	0.493	1354
180.0	7.588	7.292	7.518	7.205	7.588	7.292	7.518	7.205	175-180	0.173	1354
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:

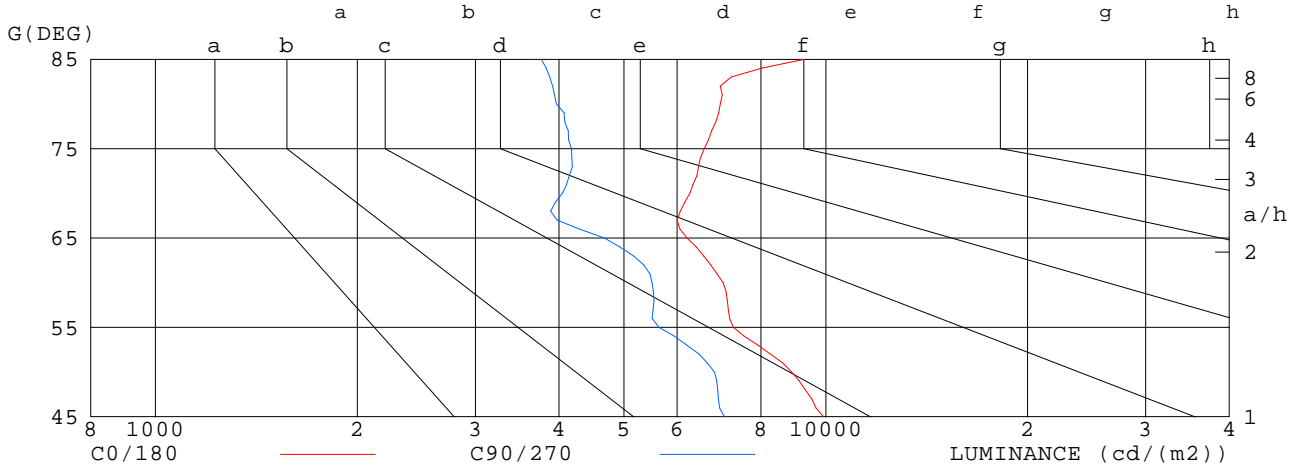
## LUMINANCE LIMITATION CURVES

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): 3500</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	9273	3764
80	6959	3963
75	6586	4174
70	6270	4048
65	6211	4677
60	7026	5506
55	7283	5636
50	8889	6822
45	9925	7062

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

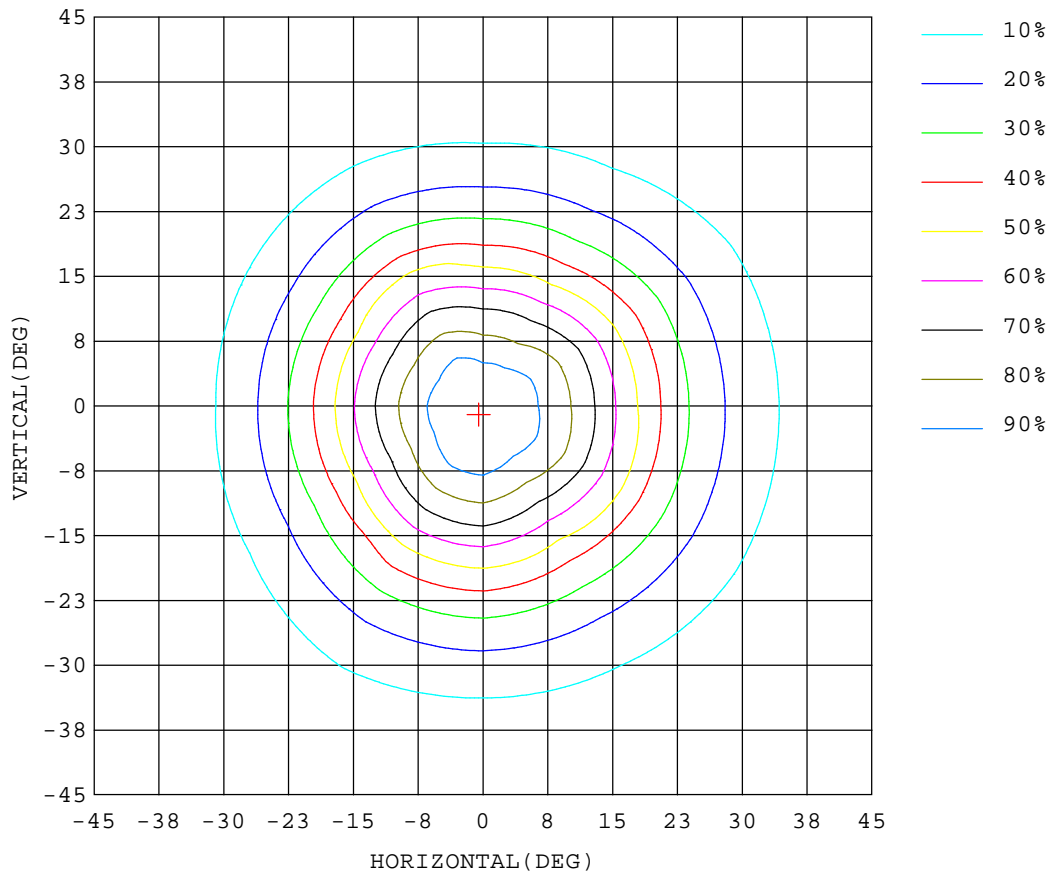
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# 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>	<b>CCT(K):</b> 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



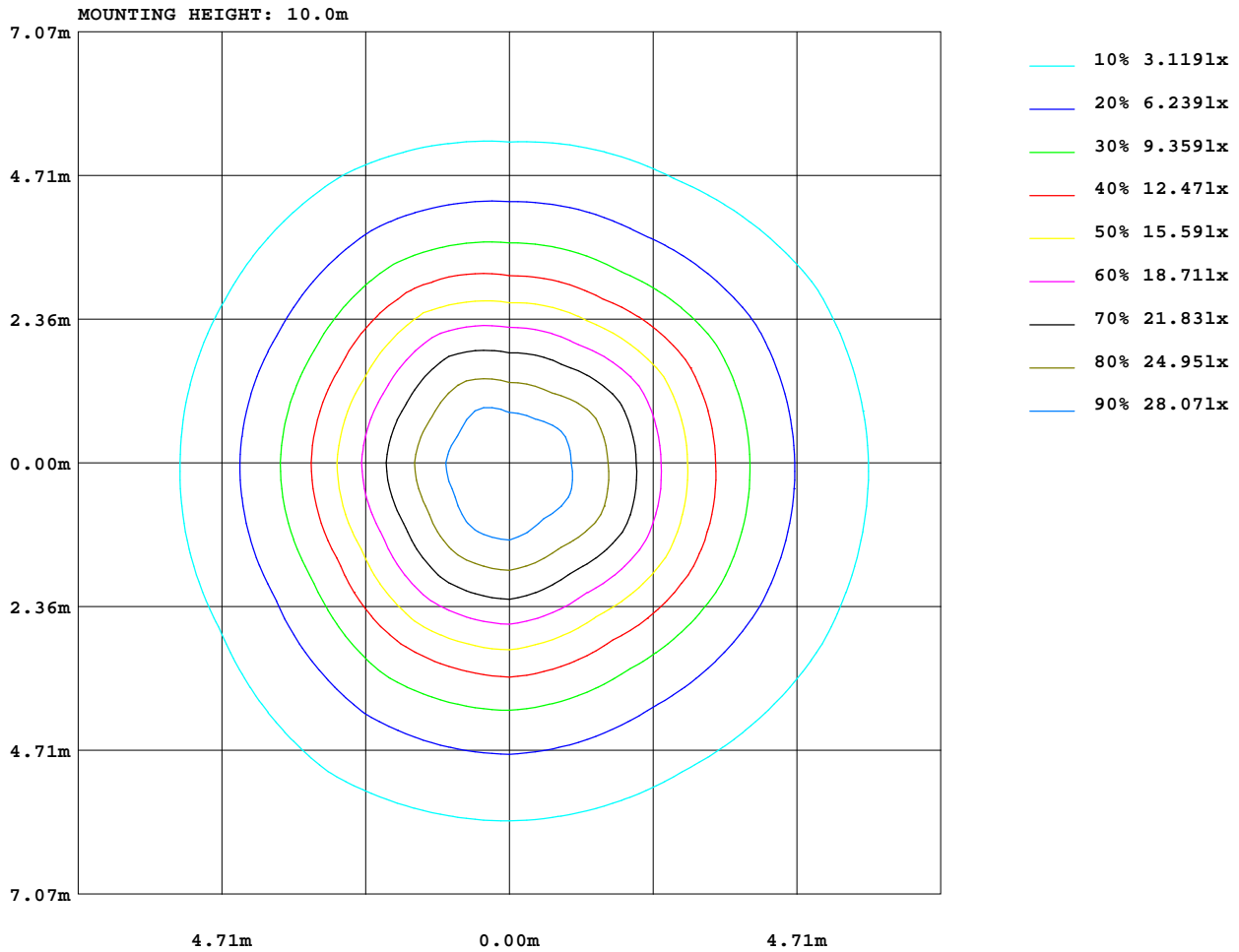
**Test System:**HOPOO HPG1800  
**Temperature:**25.3DEG  
**Operators:**  
**Test Date:**2024/02/02

**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): 3500</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>SPECIFICATION:</b>		<b>CCT(K): 3500</b>	
		<b>DIMENSION:</b>	
		<b>WEIGHT:</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	0.12	0.13	0.14	0.15	0.18	0.21	0.23	0.24	0.23	0.23	0.20	0.17	0.16	0.15	0.14	0.12	0.10	2.99	2.99
40	0.12	0.14	0.16	0.19	0.25	0.37	0.49	0.57	0.60	0.60	0.56	0.48	0.34	0.26	0.20	0.17	0.15	0.12	5.76	5.76
35	0.13	0.16	0.21	0.36	0.59	0.92	1.29	1.62	1.76	1.75	1.59	1.27	0.93	0.67	0.42	0.26	0.18	0.14	14.2	14.2
30	0.14	0.21	0.38	0.67	1.19	1.97	2.77	3.36	3.61	3.57	3.26	2.67	2.02	1.44	0.94	0.51	0.26	0.16	29.1	29.1
25	0.15	0.28	0.60	1.17	2.14	3.48	4.99	6.11	6.60	6.49	5.84	4.76	3.64	2.56	1.67	0.93	0.40	0.18	52.0	52.0
20	0.16	0.36	0.86	1.81	3.29	5.37	7.81	9.93	10.6	10.3	9.22	7.57	5.75	3.97	2.52	1.39	0.54	0.22	81.8	81.8
15	0.17	0.43	1.19	2.47	4.54	7.41	11.0	14.3	15.4	15.0	13.4	11.0	8.17	5.47	3.33	1.84	0.70	0.25	116	116
10	0.17	0.51	1.48	3.07	5.72	9.37	13.7	17.8	19.7	19.1	17.6	14.4	10.2	6.65	3.99	2.22	0.84	0.27	147	147
5	0.15	0.56	1.63	3.45	6.50	10.7	15.7	19.8	22.6	22.4	20.1	16.2	11.4	7.36	4.41	2.45	0.92	0.26	167	167
0	0.14	0.56	1.64	3.49	6.55	10.8	15.8	20.0	22.9	22.8	20.5	16.4	11.6	7.44	4.45	2.48	0.93	0.26	169	169
-5	0.15	0.51	1.52	3.17	5.88	9.58	14.1	18.4	21.1	20.8	18.6	15.0	10.7	6.87	4.13	2.30	0.88	0.26	154	154
-10	0.14	0.42	1.24	2.60	4.78	7.84	11.6	15.4	17.5	17.2	14.8	12.0	8.73	5.79	3.53	1.95	0.75	0.24	127	127
-15	0.13	0.32	0.90	1.95	3.67	6.04	8.79	11.3	12.8	12.6	10.8	8.68	6.47	4.41	2.76	1.51	0.59	0.20	94.1	94.1
-20	0.12	0.22	0.60	1.39	2.60	4.25	6.11	7.61	8.49	8.39	7.34	5.87	4.42	3.07	1.95	1.05	0.39	0.16	64.0	64.0
-25	0.11	0.16	0.38	0.88	1.69	2.74	3.81	4.65	5.16	5.12	4.54	3.67	2.77	1.95	1.20	0.58	0.23	0.13	39.8	39.8
-30	0.10	0.14	0.23	0.50	0.96	1.60	2.15	2.59	2.84	2.82	2.54	2.09	1.56	1.03	0.57	0.27	0.16	0.12	22.3	22.3
-35	0.09	0.12	0.17	0.27	0.50	0.73	0.93	1.13	1.24	1.23	1.10	0.88	0.63	0.42	0.25	0.18	0.14	0.11	10.1	10.1
-40	0.08	0.11	0.14	0.18	0.25	0.32	0.36	0.34	0.29	0.27	0.29	0.28	0.25	0.22	0.19	0.15	0.12	0.09	3.95	3.95
-45	0.08	0.11	0.14	0.18	0.25	0.32	0.36	0.34	0.29	0.27	0.29	0.28	0.25	0.22	0.19	0.15	0.12	0.09	3.95	3.95
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
$\Phi$ t	2.34	5.31	13.4	27.8	51.3	83.7	122	155	174	171	153	124	90.0	59.7	36.7	20.4	8.30	3.26	1354	
$\Phi$ a	2.34	5.31	13.4	27.8	51.3	83.7	122	155	174	171	153	124	90.0	59.7	36.7	20.4	8.30	3.26		1354

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

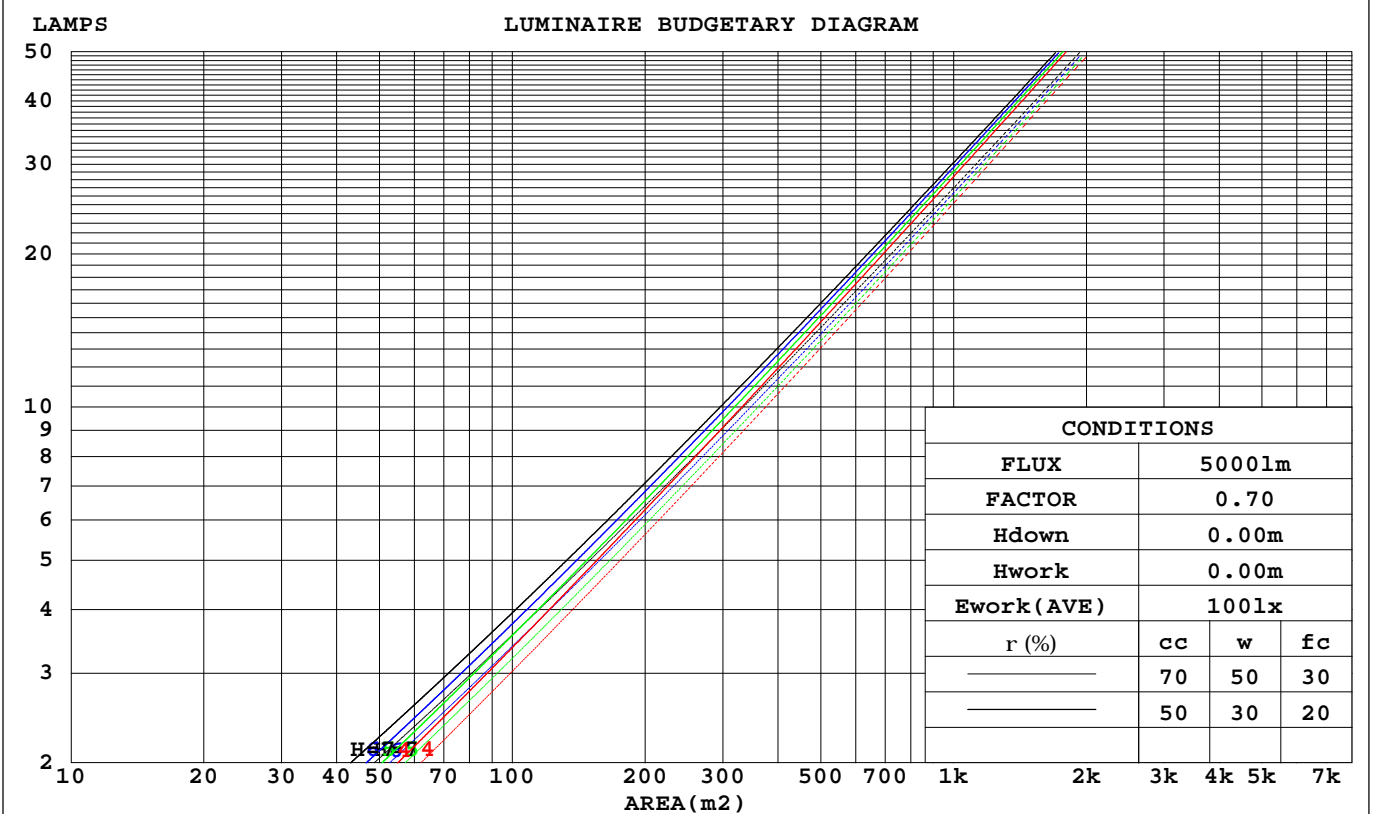
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## 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> 3500		<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	1.11	1.11	1.11	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	.94
2.0	1.04	1.01	.98	1.03	.99	.96	.99	.97	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.94	.90	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.93	.88	.85	.92	.87	.84	.90	.86	.83	.88	.84	.82	.86	.83	.81	.79
5.0	.88	.83	.80	.87	.83	.79	.86	.82	.78	.84	.80	.78	.82	.79	.77	.76
6.0	.84	.79	.75	.83	.78	.75	.82	.78	.74	.80	.77	.74	.79	.76	.73	.72
7.0	.80	.75	.71	.80	.75	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.67	.74	.70	.67	.73	.69	.67	.66
9.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.70	.67	.64	.63
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.68	.64	.61	.60



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): 3500	<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	.166	.094	.030	.159	.091	.029	.146	.084	.027	.133	.077	.025	.122	.071	.023	
2.0	.155	.085	.026	.149	.082	.025	.138	.077	.024	.128	.072	.023	.119	.067	.021	
3.0	.146	.078	.023	.141	.075	.023	.132	.071	.022	.123	.067	.021	.115	.064	.020	
4.0	.138	.072	.021	.133	.070	.021	.125	.066	.020	.118	.063	.019	.111	.060	.018	
5.0	.130	.066	.019	.127	.065	.019	.120	.062	.018	.113	.060	.018	.107	.057	.017	
6.0	.124	.062	.018	.120	.061	.018	.114	.059	.017	.109	.056	.017	.103	.054	.016	
7.0	.118	.058	.016	.115	.057	.016	.109	.055	.016	.104	.054	.016	.100	.052	.015	
8.0	.112	.055	.015	.110	.054	.015	.105	.052	.015	.100	.051	.015	.096	.049	.014	
9.0	.107	.052	.015	.105	.051	.014	.101	.050	.014	.097	.049	.014	.093	.047	.014	
10.0	.103	.049	.014	.101	.049	.014	.097	.048	.013	.093	.046	.013	.090	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.178	.166	.154	.153	.142	.132	.104	.098	.092	.060	.057	.053	.019	.018	.017	
2.0	.162	.141	.123	.139	.121	.106	.095	.084	.074	.055	.049	.043	.018	.016	.014	
3.0	.149	.122	.100	.128	.105	.087	.088	.073	.061	.051	.043	.036	.016	.014	.012	
4.0	.138	.107	.083	.118	.092	.072	.081	.064	.051	.047	.038	.030	.015	.012	.010	
5.0	.128	.095	.070	.110	.082	.061	.076	.057	.043	.044	.034	.026	.014	.011	.008	
6.0	.120	.085	.060	.103	.074	.053	.071	.052	.037	.041	.030	.022	.013	.010	.007	
7.0	.113	.078	.053	.097	.067	.046	.067	.047	.032	.039	.028	.019	.013	.009	.006	
8.0	.107	.071	.046	.092	.062	.040	.064	.043	.029	.037	.026	.017	.012	.008	.006	
9.0	.102	.066	.041	.088	.057	.036	.061	.040	.026	.035	.024	.015	.011	.008	.005	
10.0	.097	.061	.037	.084	.053	.033	.058	.037	.023	.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): 3500			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	17.2	18.0	17.5	18.2	18.4	16.9	17.7	17.1	17.9	18.0
3H	17.3	18.1	17.6	18.3	18.5	16.9	17.7	17.2	17.9	18.1
4H	17.4	18.1	17.7	18.3	18.6	17.0	17.7	17.3	17.9	18.2
6H	17.5	18.2	17.8	18.4	18.7	17.0	17.7	17.3	18.0	18.2
8H	17.5	18.2	17.9	18.5	18.7	17.0	17.7	17.4	18.0	18.2
12H	17.6	18.2	17.9	18.5	18.8	17.0	17.7	17.4	17.9	18.2
4H 2H	17.1	17.8	17.4	18.1	18.3	16.8	17.5	17.0	17.7	18.0
3H	17.2	17.8	17.6	18.1	18.4	17.0	17.6	17.3	17.9	18.2
4H	17.4	17.9	17.7	18.2	18.6	17.1	17.7	17.5	18.0	18.3
6H	17.5	18.0	17.9	18.4	18.8	17.3	17.8	17.7	18.2	18.5
8H	17.6	18.1	18.0	18.5	18.8	17.4	17.8	17.8	18.2	18.6
12H	17.7	18.2	18.2	18.6	19.0	17.4	17.8	17.8	18.2	18.6
8H 4H	17.3	17.8	17.7	18.2	18.6	17.1	17.6	17.5	18.0	18.4
6H	17.6	17.9	18.0	18.3	18.8	17.5	17.9	17.9	18.3	18.7
8H	17.7	18.0	18.1	18.4	18.9	17.6	18.0	18.1	18.4	18.9
12H	17.8	18.1	18.3	18.6	19.1	17.8	18.1	18.3	18.5	19.0
12H 4H	17.3	17.8	17.7	18.1	18.5	17.1	17.5	17.5	17.9	18.3
6H	17.6	17.9	18.0	18.3	18.8	17.5	17.8	17.9	18.2	18.7
8H	17.7	18.0	18.2	18.4	18.9	17.7	18.0	18.2	18.4	18.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 2.4					+ 2.9 / - 2.4				
1.5H	+ 4.2 / - 2.1					+ 5.1 / - 2.5				
2.0H	+ 0.7 / - 0.7					+ 0.4 / - 0.8				

CIE Pub.117 Corrected 1354 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.1)

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): 3500	<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	95	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	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			

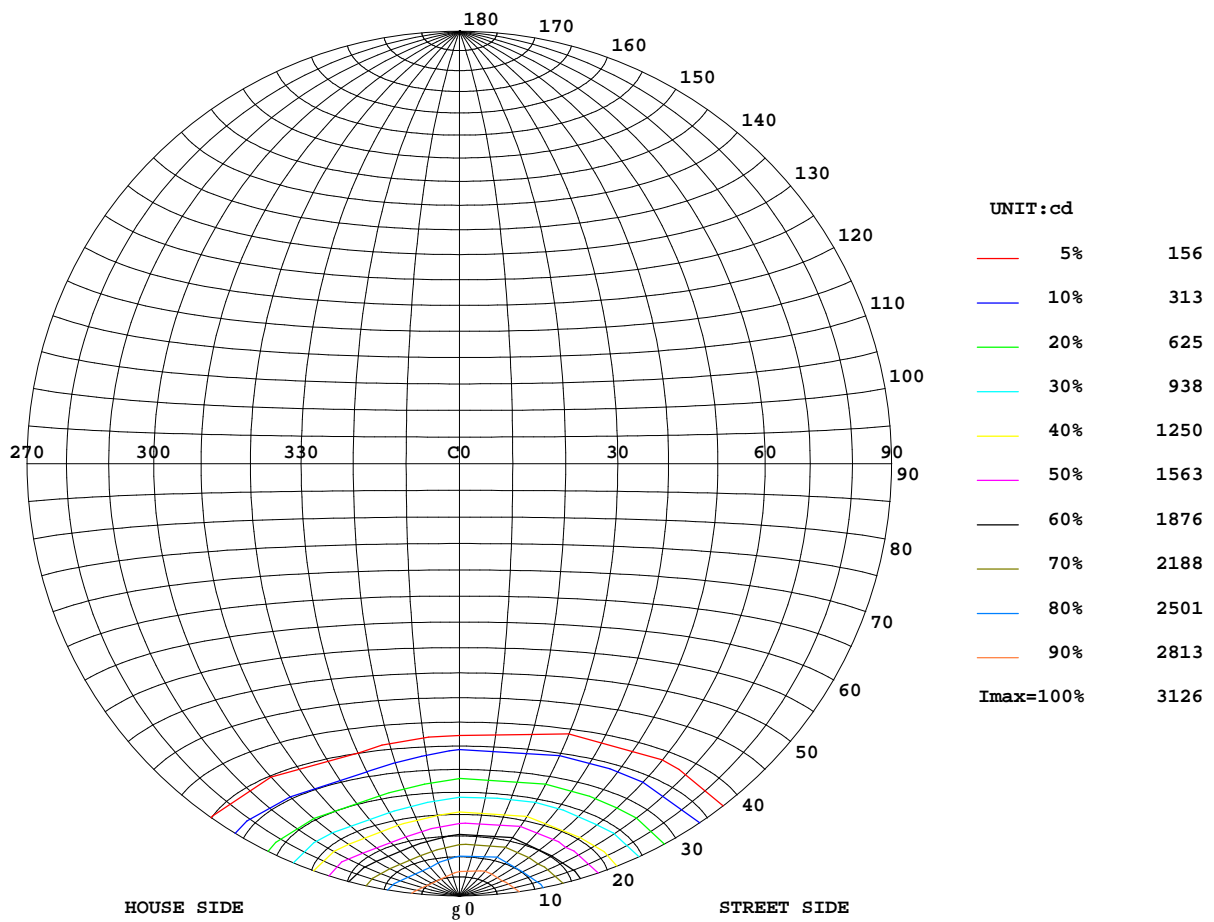
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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-S15W-5CCT-4SR-SM-WH		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K):</b> 3500	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



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

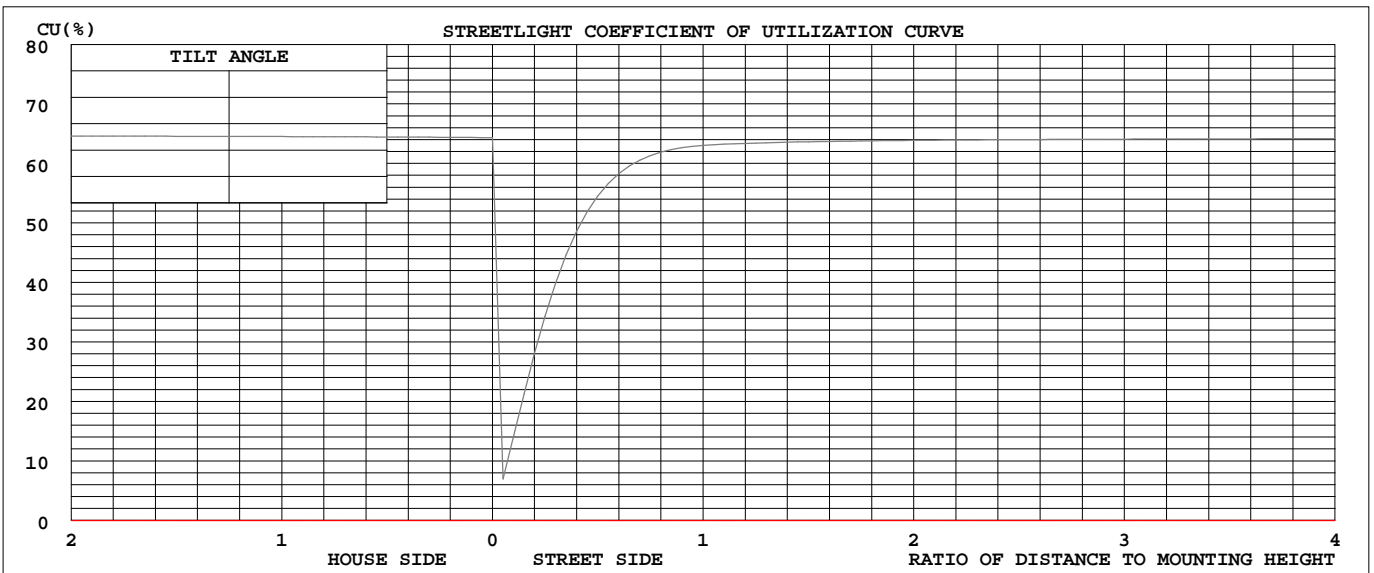
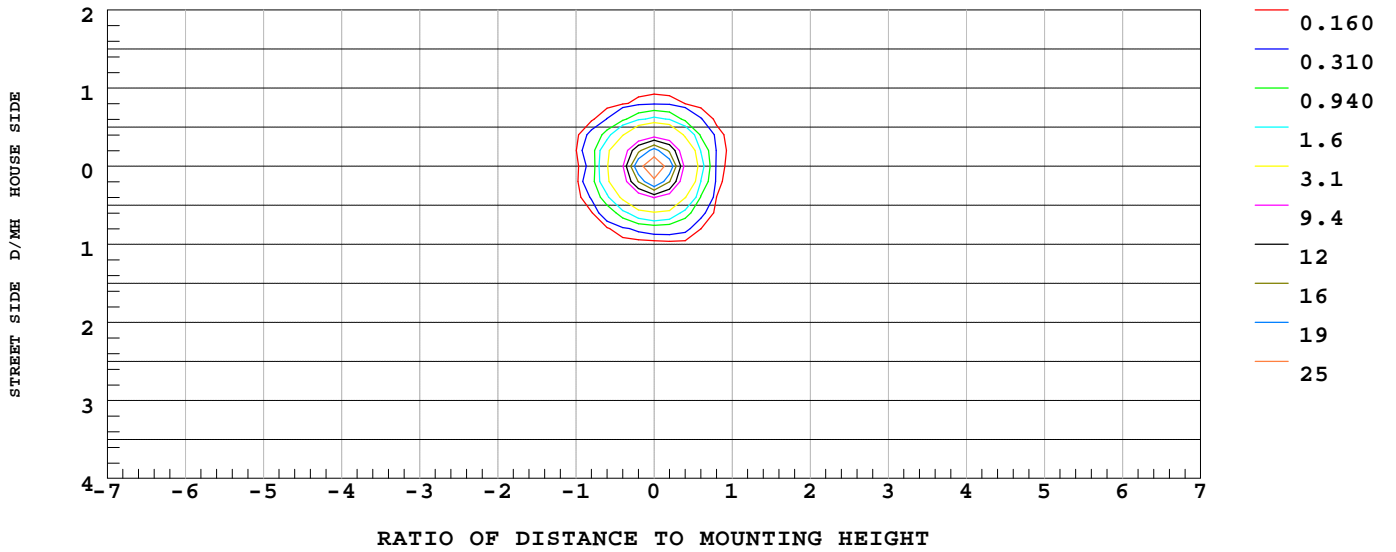
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-S15W-5CCT-4SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 31.20 lx



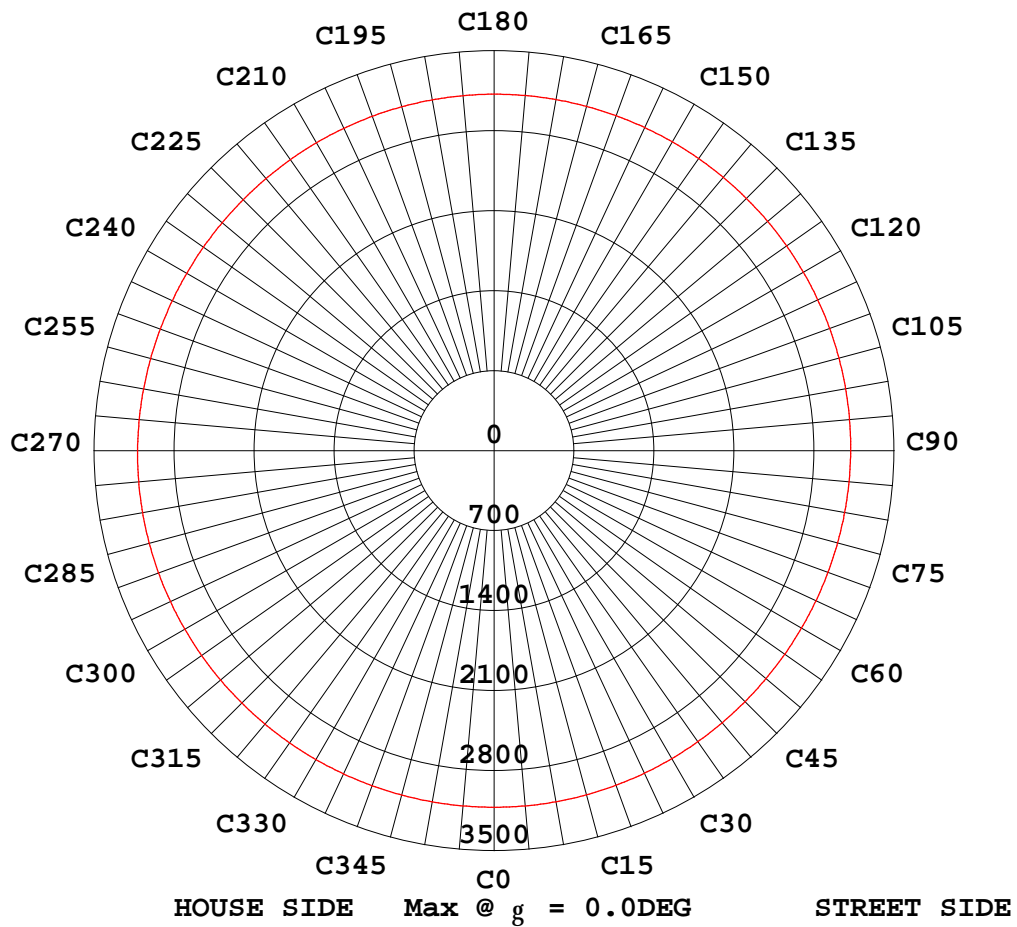
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024/02/02

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-S15W-5CCT-4SR-SM-WH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3500	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-S15W-5CCT-4SR-SM-WH</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3500</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	3120	3112	3106	3120	3126	3121	3120	3112	3106	3120	3126	3121
5.0	2903	2955	2929	3025	3028	2916	2938	2878	2947	2806	2813	2911
10.0	2516	2595	2515	2611	2591	2458	2475	2425	2458	2314	2336	2502
15.0	1915	1980	1906	2049	2012	1836	1858	1790	1853	1687	1714	1895
20.0	1303	1357	1296	1409	1300	1206	1200	1158	1213	1105	1115	1299
25.0	843	868	826	898	877	716	713	685	722	651	673	821
30.0	513	523	488	509	513	389	354	364	380	328	359	484
35.0	277	294	262	263	270	191	191	175	157	147	156	265
40.0	75.0	130	94.4	61.9	96.5	70.2	35.1	81.5	61.1	38.1	56.3	94.6
45.0	30.5	37.0	36.1	21.7	48.0	24.3	19.7	34.4	23.3	27.3	23.0	42.3
50.0	24.8	22.6	28.2	19.0	28.1	18.4	16.3	25.3	18.6	23.0	19.0	27.7
55.0	18.1	17.1	22.2	14.0	22.9	14.7	12.9	20.7	15.0	18.5	14.5	21.6
60.0	15.2	11.3	16.6	11.9	17.6	11.2	11.1	16.5	11.8	15.9	11.1	16.4
65.0	11.4	8.70	13.4	8.59	14.6	8.80	8.24	13.6	9.32	10.8	8.18	13.5
70.0	9.32	5.84	9.67	6.02	10.8	6.50	6.89	10.6	6.47	8.91	5.63	10.0
75.0	7.41	4.38	8.00	4.69	8.84	5.15	5.53	8.87	4.80	6.64	4.00	8.38
80.0	5.25	2.61	5.98	2.99	6.92	3.58	4.00	6.96	3.20	4.21	2.64	6.64
85.0	3.51	1.49	4.21	1.42	5.04	1.91	2.33	5.01	1.91	3.30	1.56	4.90
90.0	3.06	0.80	3.06	0.73	3.41	0.73	1.11	3.23	0.91	3.06	0.91	3.34
95.0	2.81	0.77	2.78	0.73	2.81	0.73	1.14	2.95	0.91	2.85	0.91	3.02
100.0	2.64	0.80	2.61	0.77	2.64	0.77	1.14	2.78	0.94	2.71	0.94	2.81
105.0	2.50	0.84	2.47	0.80	2.47	0.80	1.18	2.61	0.94	2.54	0.94	2.64
110.0	2.36	0.87	2.33	0.84	2.33	0.84	1.18	2.43	0.94	2.40	0.94	2.47
115.0	2.26	0.91	2.22	0.87	2.22	0.91	1.18	2.29	0.94	2.26	0.94	2.33
120.0	2.15	0.97	2.12	0.91	2.12	0.94	1.21	2.19	0.97	2.12	0.97	2.22
125.0	2.12	1.04	2.08	0.97	2.08	1.04	1.28	2.12	1.04	2.08	1.04	2.12
130.0	2.12	1.18	2.08	1.11	2.08	1.21	1.46	2.19	1.18	2.12	1.21	2.12
135.0	2.22	1.42	2.19	1.32	2.19	1.49	1.70	2.33	1.46	2.26	1.49	2.22
140.0	2.50	1.81	2.47	1.74	2.47	1.91	2.15	2.61	1.87	2.57	1.91	2.47
145.0	2.95	2.36	2.92	2.26	2.85	2.50	2.71	3.06	2.43	3.06	2.50	2.88
150.0	3.58	3.13	3.58	2.99	3.44	3.23	3.48	3.72	3.13	3.72	3.27	3.51
155.0	4.38	3.96	4.35	3.82	4.17	4.10	4.35	4.49	4.00	4.56	4.21	4.28
160.0	5.22	4.87	5.22	4.73	4.97	5.04	5.25	5.36	4.90	5.46	5.15	5.15
165.0	6.09	5.74	6.02	5.60	5.81	5.84	6.12	6.12	5.77	6.30	5.98	5.98
170.0	6.82	6.47	6.75	6.37	6.50	6.50	6.85	6.82	6.47	6.99	6.61	6.68
175.0	7.37	6.99	7.24	6.92	7.03	6.92	7.37	7.27	6.96	7.44	6.99	7.20
180.0	7.58	7.44	7.13	7.51	7.03	7.37	7.58	7.44	7.13	7.51	7.03	7.37

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: