

## LAMP PHOTOMETRIC REPORT

MODEL: JXL-MZ05-T12W-5CCT-30K

POWER: 12W

VOLTAGE: 120V

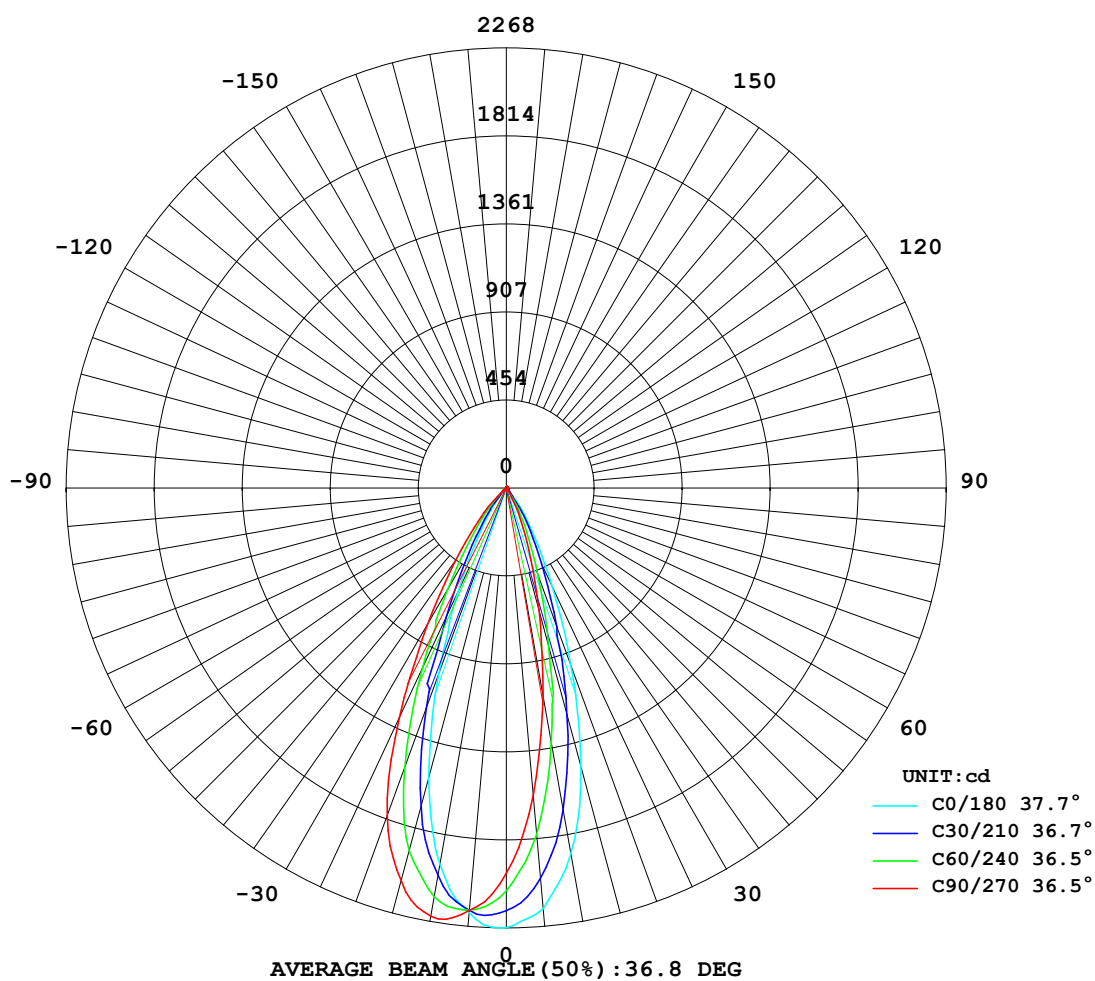
WORKING VOLTAGE: 119.4V

MANUFACTURER:

TOTAL FLUX: 1125.7 lm

Efficiency: 98.920 lm/W

Test: U: 119.4V I: 0.096A P: 11.38W PF: 0.990



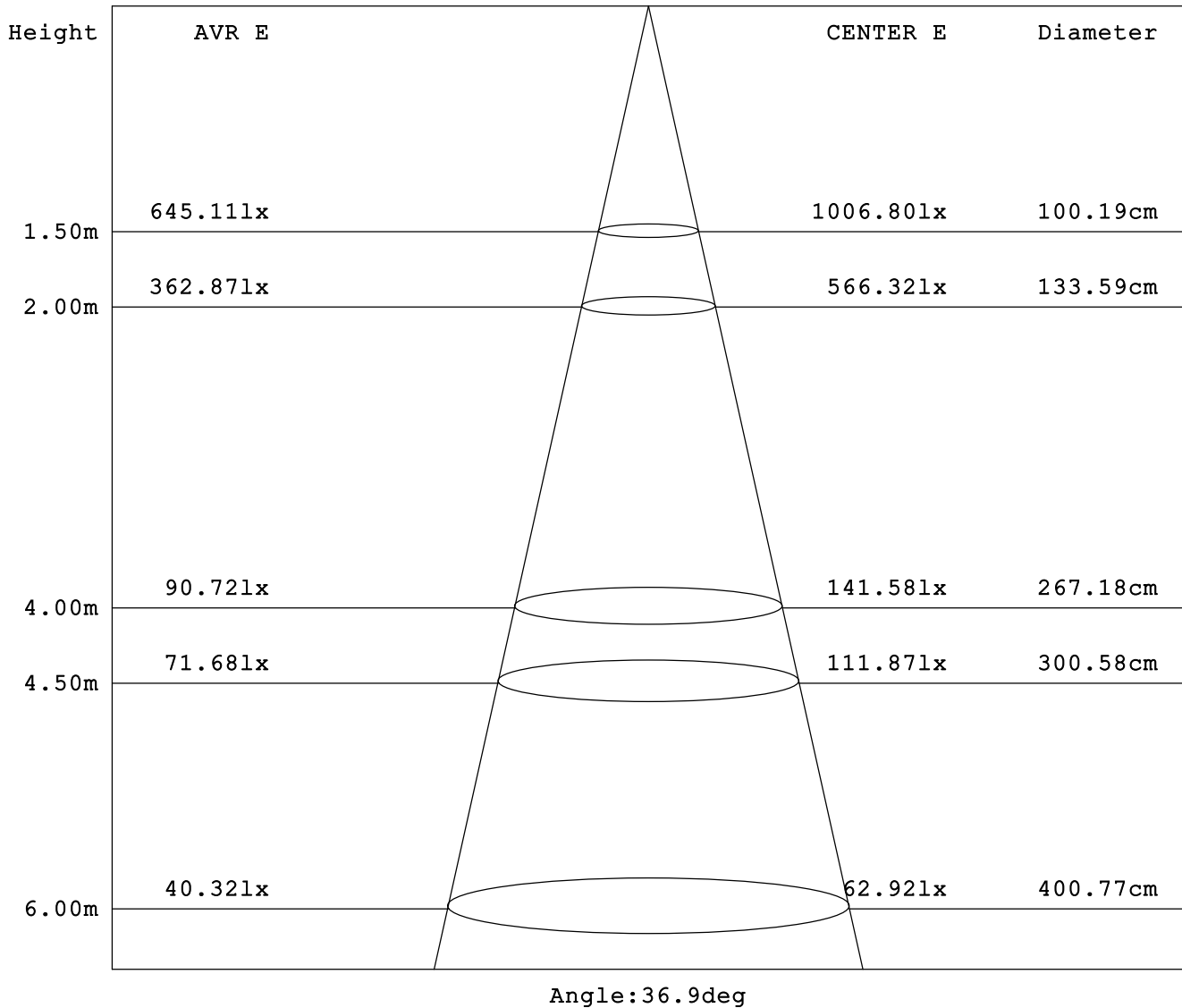
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2021年10月18日

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:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: JXL-MZ05-T12W-5CCT-30K</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2021年10月18日

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

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K	DIMENSION:	SERIAL No.:

DEG	C0	C45	C90	C135	C180	C225	C270	C315	DEG	One	total
5.0	2198	2185	2185	2187	2177	1908	1590	1429	0- 5	48.03	48.03
10.0	1970	2084	2241	2334	1916	1510	1094	897.0	5- 10	132.4	180.5
15.0	1549	1818	2097	2256	1487	1028	650.5	493.7	10- 15	186.7	367.2
20.0	1019	1370	1796	2043	971.8	623.2	344.7	237.2	15- 20	202.5	569.8
25.0	590.3	881.1	1306	1650	564.4	338.8	167.4	99.69	20- 25	184.5	754.3
30.0	299.1	498.7	816.9	1102	296.8	180.3	59.35	33.15	25- 30	140.8	895.2
35.0	141.8	258.8	457.9	662.3	139.7	61.94	29.76	19.52	30- 35	93.89	989.1
40.0	50.23	114.1	229.2	351.8	34.07	25.53	18.41	11.88	35- 40	54.91	1044
45.0	27.11	39.07	87.44	168.0	19.84	16.48	11.87	7.571	40- 45	28.83	1073
50.0	16.98	21.04	27.08	51.37	11.97	10.91	8.876	5.691	45- 50	13.41	1086
55.0	10.82	14.02	15.90	25.25	6.822	7.936	6.335	3.098	50- 55	6.588	1093
60.0	8.319	9.485	9.503	15.05	5.117	5.047	3.898	2.384	55- 60	4.368	1097
65.0	5.465	6.944	5.848	8.876	2.123	2.767	3.341	2.175	60- 65	2.959	1100
70.0	3.829	3.950	4.246	6.474	1.427	2.332	3.028	2.053	65- 70	2.063	1102
75.0	3.341	2.593	1.879	4.333	1.322	2.175	2.854	1.966	70- 75	1.592	1104
80.0	3.063	2.262	1.287	2.645	1.322	2.053	2.680	1.914	75- 80	1.259	1105
85.0	2.854	2.106	1.183	2.262	1.322	1.966	2.541	1.862	80- 85	1.135	1106
90.0	2.715	2.018	1.183	2.106	1.357	1.914	2.436	1.844	85- 90	1.088	1107
95.0	2.575	1.931	1.183	2.001	1.392	1.879	2.367	1.827	90- 95	1.054	1108
100.0	2.471	1.897	1.218	1.949	1.427	1.844	2.297	1.810	95-100	1.023	1109
105.0	2.367	1.862	1.253	1.879	1.462	1.844	2.262	1.862	100-105	0.996	1110
110.0	2.297	1.827	1.253	1.844	1.531	1.862	2.262	1.966	105-110	0.971	1111
115.0	2.262	1.827	1.287	1.810	1.636	1.949	2.367	2.193	110-115	0.957	1112
120.0	2.332	1.862	1.357	1.792	1.775	2.106	2.575	2.558	115-120	0.963	1113
125.0	2.471	1.984	1.462	1.810	2.018	2.384	2.958	3.115	120-125	0.999	1114
130.0	2.749	2.227	1.636	1.879	2.401	2.837	3.515	3.811	125-130	1.068	1115
135.0	3.202	2.593	1.914	2.053	2.958	3.463	4.177	4.577	130-135	1.163	1117
140.0	3.829	3.150	2.367	2.349	3.689	4.159	4.943	5.343	135-140	1.269	1118
145.0	4.560	3.829	2.993	2.854	4.455	4.908	5.674	6.056	140-145	1.357	1119
150.0	5.325	4.594	3.724	3.515	5.256	5.587	6.300	6.561	145-150	1.398	1121
155.0	6.022	5.308	4.490	4.264	5.952	6.126	6.718	6.892	150-155	1.364	1122
160.0	6.613	5.917	5.256	5.030	6.509	6.526	6.996	7.031	155-160	1.248	1123
165.0	6.996	6.387	5.917	5.726	6.927	6.753	7.170	7.101	160-165	1.053	1124
170.0	7.205	6.683	6.439	6.300	7.240	6.909	7.310	7.136	165-170	0.797	1125
175.0	7.379	6.840	6.787	6.683	7.484	6.979	7.344	7.083	170-175	0.497	1126
180.0	7.484	6.962	7.031	6.944	7.553	6.962	7.170	6.909	175-180	0.168	1126
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年10月18日

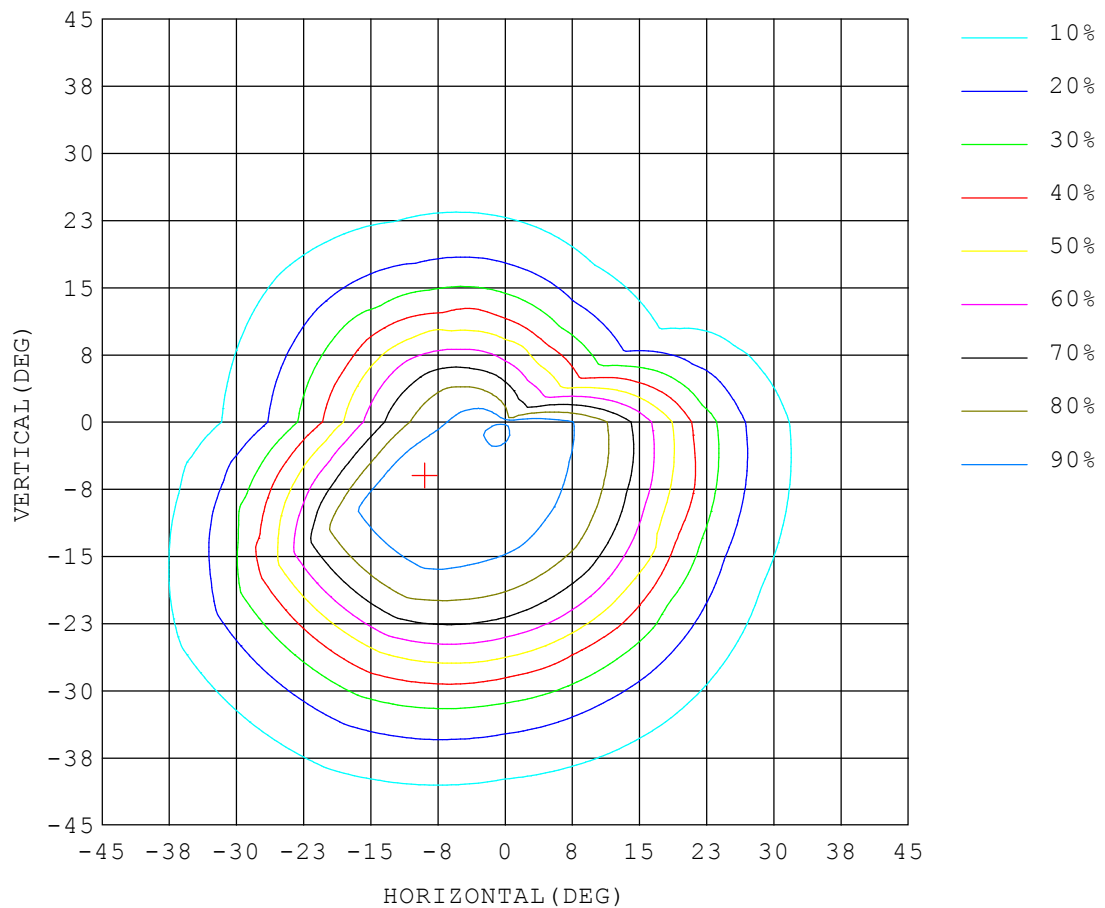
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K	DIMENSION:	SERIAL No.:

UNIT: cd



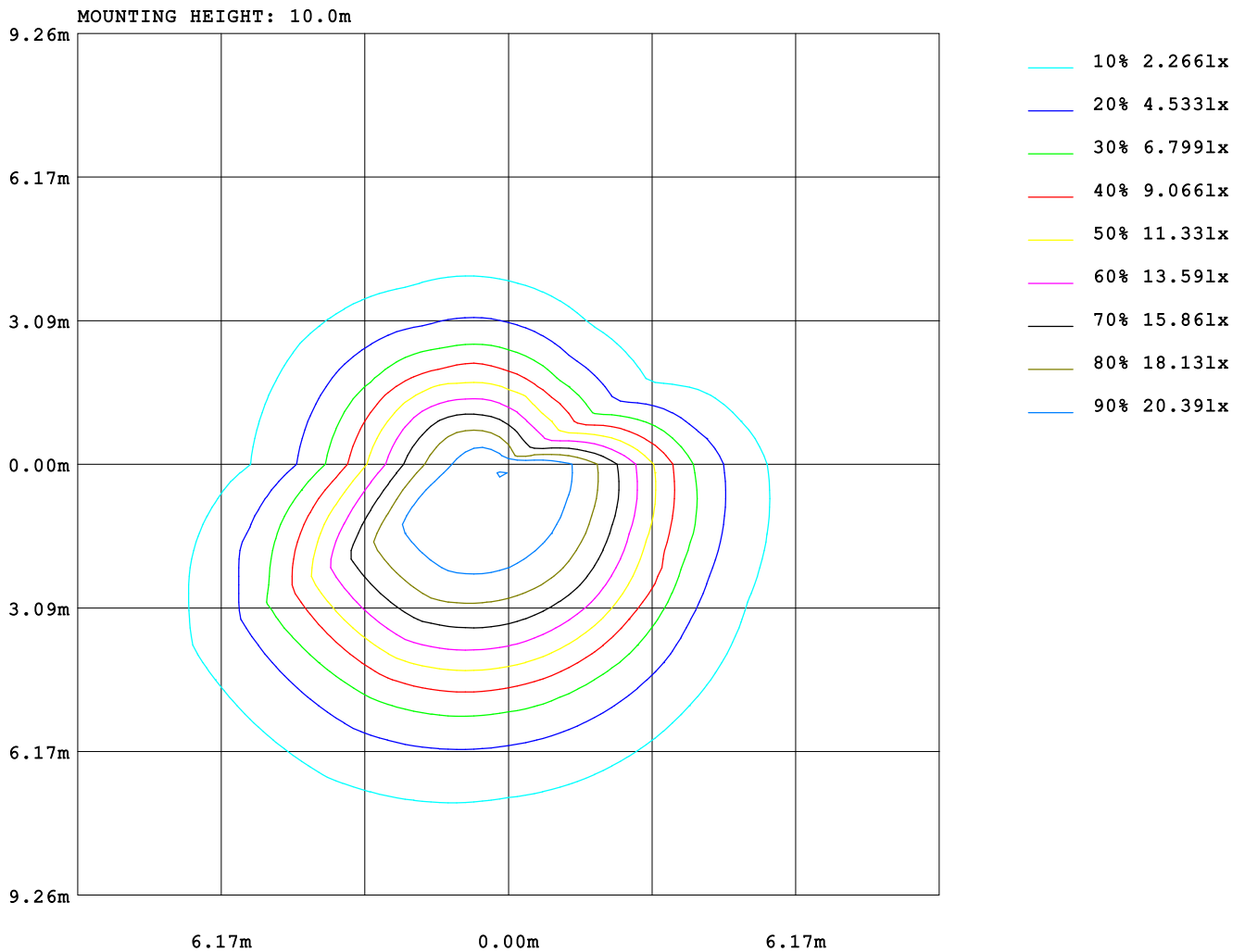
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Temperature: 25.3 DEG  
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Test Date: 2021年10月18日

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## ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
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Remarks:

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER :		Address :	
NAME :		TYPE :	WEIGHT :
SPECIFICATION : JXL-MZ05-T12W-5CCT-30K		DIMENSION :	SERIAL No. :

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm			□ t	□ a																		
	45	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45		
	0.05	0.05	0.06	0.06	0.06	0.08	0.09	0.11	0.11	0.11	0.09	0.07	0.05	0.04	0.04	0.03	0.02	0.02	1.13	1.13																				
	0.06	0.07	0.09	0.10	0.11	0.12	0.15	0.17	0.18	0.17	0.13	0.10	0.07	0.05	0.05	0.04	0.04	0.03	1.70	1.70																				
	0.07	0.10	0.12	0.15	0.18	0.20	0.25	0.31	0.33	0.29	0.22	0.15	0.10	0.09	0.07	0.05	0.05	0.04	2.75	2.75																				
	0.09	0.13	0.17	0.24	0.40	0.56	0.78	0.91	0.88	0.72	0.47	0.26	0.17	0.13	0.10	0.07	0.06	0.05	6.20	6.20																				
	0.11	0.16	0.26	0.55	1.01	1.44	1.74	2.01	2.01	1.69	1.19	0.65	0.34	0.21	0.15	0.10	0.08	0.07	13.7	13.7																				
	0.12	0.19	0.46	1.13	1.87	2.69	3.41	3.90	3.94	3.32	2.31	1.43	0.81	0.36	0.24	0.21	0.13	0.09	26.6	26.6																				
	0.13	0.26	0.80	1.68	2.92	4.48	5.99	6.95	6.99	5.81	4.06	2.58	1.43	0.96	0.71	0.47	0.21	0.12	46.5	46.5																				
	0.14	0.36	1.09	2.23	4.05	6.51	9.21	10.9	10.9	9.04	6.39	4.47	3.58	2.58	1.52	0.81	0.34	0.15	74.3	74.3																				
	0.14	0.46	1.29	2.67	5.01	8.29	11.8	14.3	14.9	12.5	11.3	9.98	7.41	4.58	2.48	1.19	0.47	0.18	109	109																				
	0.26	0.76	1.91	3.83	6.85	10.6	14.2	16.5	16.3	16.5	15.8	13.2	9.50	5.72	2.99	1.40	0.54	0.20	137	137																				
	0.46	1.17	2.79	5.46	9.31	13.4	16.4	17.5	17.2	16.6	15.4	12.8	9.17	5.59	2.90	1.36	0.53	0.18	149	149																				
	0.58	1.41	3.23	6.31	10.5	14.2	16.0	16.9	16.9	16.1	14.5	11.7	8.21	4.79	2.50	1.19	0.44	0.16	146	146																				
	0.61	1.45	3.20	6.05	9.24	12.2	14.4	15.3	15.2	14.3	12.6	9.83	6.62	3.84	1.98	0.95	0.31	0.14	128	128																				
	0.53	1.31	2.68	4.55	6.88	9.33	11.4	12.3	12.2	11.2	9.54	7.19	4.82	2.87	1.50	0.65	0.20	0.11	99.5	99.5																				
	0.35	1.00	1.85	3.09	4.67	6.40	7.74	8.37	8.28	7.53	6.29	4.77	3.22	1.95	1.04	0.39	0.15	0.09	67.2	67.2																				
	0.20	0.56	1.16	1.92	2.91	3.97	4.71	5.05	4.95	4.49	3.75	2.85	1.97	1.21	0.59	0.23	0.12	0.08	40.7	40.7																				
	0.14	0.25	0.59	1.09	1.64	2.19	2.57	2.74	2.66	2.40	2.03	1.57	1.08	0.60	0.29	0.16	0.10	0.07	22.2	22.2																				
	0.11	0.16	0.26	0.46	0.79	1.07	1.25	1.33	1.29	1.16	0.96	0.69	0.42	0.27	0.18	0.12	0.08	0.05	10.6	10.6																				
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)										10	15	20	25	30	35	40	45														
□ t	4.13	9.87	22.0	41.6	68.5	97.8	122	136	135	124	107	84.6	59.0	35.8	19.3	9.45	3.89	1.81	1126																					
□ a	4.13	9.87	22.0	41.6	68.5	97.8	122	136	135	124	107	84.6	59.0	35.8	19.3	9.45	3.89	1.81													1126									

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 Temperature:25.3DEG  
 Operators:  
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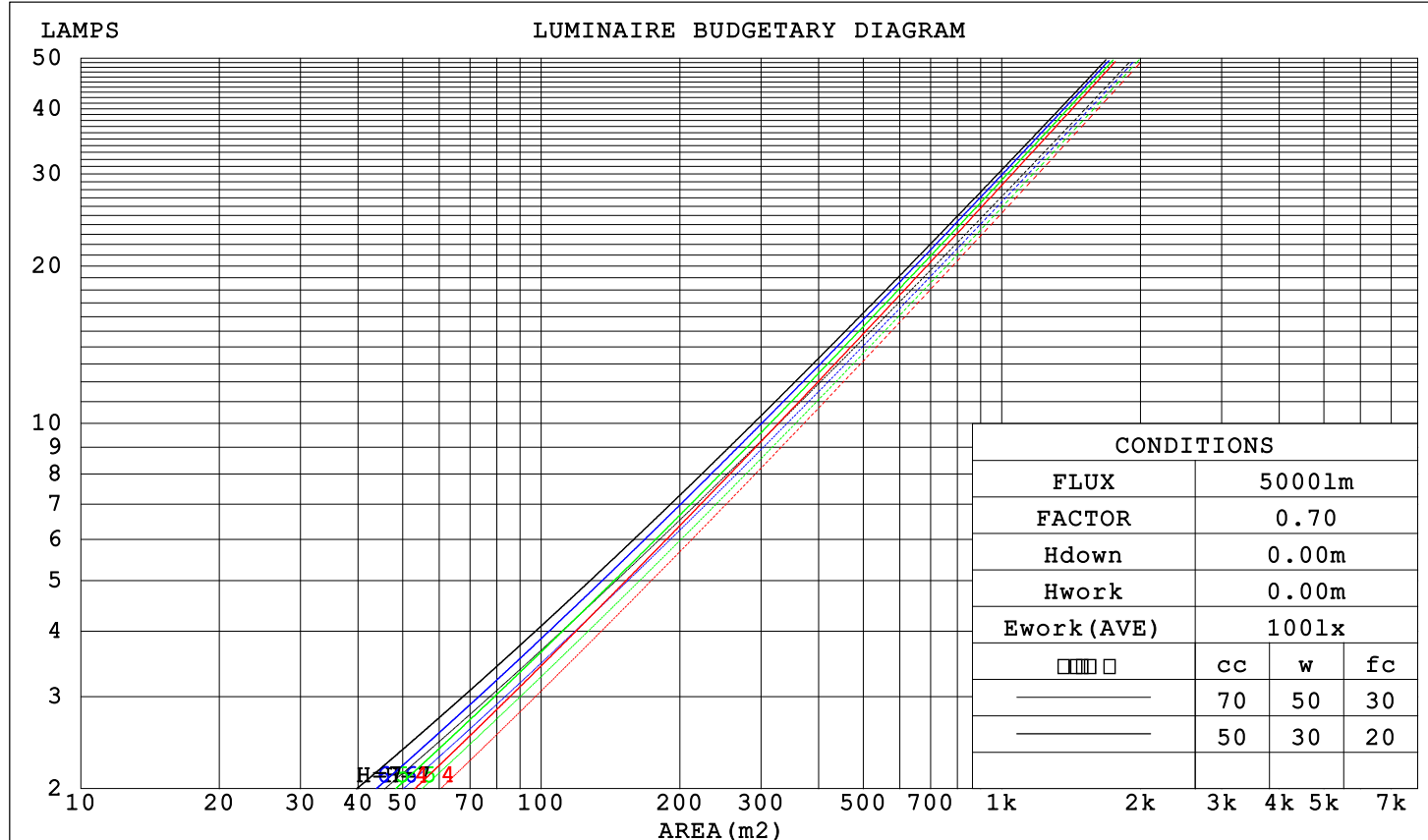
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:											
NAME:				TYPE:								WEIGHT:			
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K				DIMENSION:								SERIAL No.:			

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
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	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.04	.90	.97	1.02	.98	.96	.98	.96	.93	.95	.93	.91	.92	.91	.89	.87
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.77
5.0	.87	.81	.77	.86	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.75	.73
6.0	.82	.77	.73	.81	.76	.72	.80	.75	.72	.78	.74	.71	.77	.73	.71	.69
7.0	.78	.72	.69	.77	.72	.68	.76	.71	.68	.75	.71	.67	.73	.70	.67	.66
8.0	.74	.69	.65	.74	.68	.65	.72	.68	.64	.71	.67	.64	.70	.67	.64	.62
9.0	.71	.65	.62	.70	.65	.62	.69	.64	.61	.68	.64	.61	.67	.63	.61	.59
10.0	.67	.62	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.64	.61	.58	.57



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 Humidity:65.0%  
 Test Distance:5.900 m  
 Remarks:

## WEC AND CCEC

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>				
<b>NAME:</b>	<b>TYPE:</b>			<b>WEIGHT:</b>	
<b>SPECIFICATION: JXL-MZ05-T12W-5CCT-30K</b>	<b>DIMENSION:</b>			<b>SERIAL No.:</b>	

□cc	80%			70%			50%			30%			10%			0														
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
□fc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.170	.097	.031	.163	.093	.029	.149	.086	.027	.137	.079	.025	.125	.073	.023															
2.0	.160	.088	.027	.154	.085	.026	.143	.079	.025	.132	.074	.023	.123	.069	.022															
3.0	.151	.081	.024	.146	.078	.024	.137	.074	.022	.128	.070	.021	.119	.066	.020															
4.0	.143	.075	.022	.139	.073	.021	.131	.069	.021	.123	.066	.020	.115	.063	.019															
5.0	.136	.069	.020	.132	.068	.020	.125	.065	.019	.118	.062	.019	.112	.060	.018															
6.0	.130	.065	.019	.126	.064	.018	.120	.061	.018	.114	.059	.017	.108	.057	.017															
7.0	.124	.061	.017	.121	.060	.017	.115	.058	.017	.110	.056	.016	.104	.054	.016															
8.0	.118	.058	.016	.116	.057	.016	.110	.055	.016	.106	.053	.015	.101	.052	.015															
9.0	.113	.055	.015	.111	.054	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014															
10.0	.109	.052	.014	.106	.051	.014	.102	.050	.014	.098	.049	.014	.095	.048	.014															

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.183	.170	.158	.157	.146	.136	.107	.100	.094	.062	.058	.055	.020	.019	.018	
2.0	.167	.145	.127	.143	.125	.109	.098	.086	.076	.057	.050	.045	.018	.016	.015	
3.0	.154	.126	.104	.132	.109	.090	.091	.076	.063	.052	.044	.037	.017	.014	.012	
4.0	.144	.111	.087	.123	.096	.075	.085	.067	.053	.049	.039	.031	.016	.013	.010	
5.0	.134	.100	.074	.115	.086	.064	.079	.060	.045	.046	.035	.027	.015	.012	.009	
6.0	.127	.090	.064	.109	.078	.056	.075	.055	.039	.044	.032	.023	.014	.011	.008	
7.0	.120	.082	.056	.103	.072	.049	.071	.050	.035	.041	.030	.021	.013	.010	.007	
8.0	.114	.076	.050	.098	.066	.044	.068	.046	.031	.040	.027	.018	.013	.009	.006	
9.0	.109	.071	.045	.094	.062	.039	.065	.043	.028	.038	.026	.017	.012	.008	.006	
10.0	.104	.066	.041	.090	.058	.036	.062	.041	.026	.036	.024	.015	.012	.008	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年10月18日

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

## Uncorrected UGR Table

Report number:

MANUFACTURER :						Address :					
NAME :						TYPE :		WEIGHT :			
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K						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	17.0	17.9	17.3	18.1	18.3	22.5	23.4	22.7	23.6	23.7	
3H	17.0	17.8	17.2	18.0	18.2	22.4	23.2	22.7	23.4	23.6	
4H	17.0	17.7	17.3	17.9	18.2	22.3	23.1	22.6	23.3	23.6	
6H	17.0	17.7	17.3	18.0	18.3	22.2	22.9	22.6	23.2	23.5	
8H	17.1	17.8	17.4	18.0	18.3	22.2	22.9	22.5	23.2	23.4	
12H	17.2	17.9	17.6	18.2	18.5	22.2	22.8	22.5	23.1	23.4	
4H	2H	16.9	17.7	17.2	17.9	18.2	22.3	23.0	22.6	23.3	23.5
	3H	16.9	17.5	17.2	17.8	18.1	22.2	22.8	22.5	23.1	23.4
	4H	16.9	17.4	17.2	17.8	18.1	22.1	22.7	22.5	23.0	23.4
	6H	17.0	17.5	17.4	17.8	18.2	22.0	22.6	22.4	22.9	23.3
	8H	17.1	17.6	17.5	18.0	18.4	22.0	22.5	22.4	22.9	23.3
	12H	17.3	17.8	17.8	18.2	18.6	22.0	22.4	22.4	22.8	23.2
8H	4H	16.8	17.3	17.2	17.6	18.0	22.0	22.5	22.4	22.8	23.2
	6H	16.9	17.3	17.4	17.7	18.2	21.9	22.3	22.4	22.8	23.2
	8H	17.1	17.4	17.6	17.9	18.4	21.9	22.3	22.4	22.7	23.2
	12H	17.5	17.8	17.9	18.2	18.7	21.9	22.2	22.4	22.7	23.2
12H	4H	16.8	17.2	17.2	17.6	18.0	21.9	22.4	22.4	22.8	23.2
	6H	16.9	17.3	17.4	17.7	18.2	21.9	22.2	22.4	22.7	23.2
	8H	17.1	17.4	17.6	17.9	18.4	21.9	22.2	22.4	22.7	23.2
Variations with the observer position at spacings:											
S = 1.0H	+ 2.3 / - 2.9					+ 4.0 / - 7.1					
1.5H	+ 4.0 / - 2.8					+ 6.3 / - 6.0					
2.0H	+ 1.9 / - 1.1					+ 6.0 / - 2.8					

## UTILIZATION FACTORS TABLE

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION: JXL-MZ05-T12W-5CCT-30K</b>	<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
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	86	81	77	86	80	77	73
0.80	94	89	85	94	88	85	92	87	84	81
1.00	99	93	90	98	93	89	96	92	89	85
1.25	103	97	94	102	97	94	99	96	93	88
1.50	105	101	97	104	100	97	102	98	95	91
2.00	108	104	101	106	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

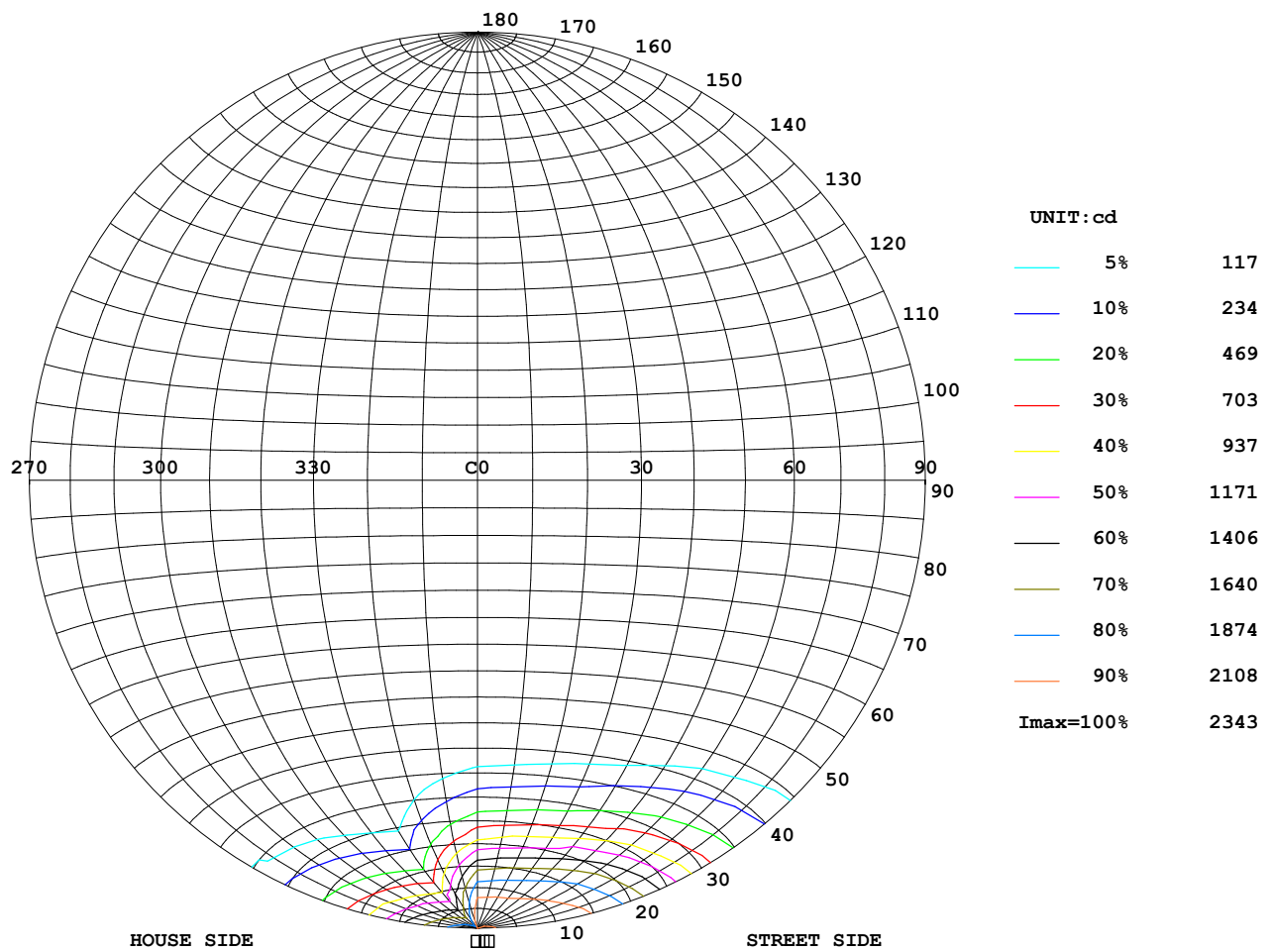
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2021年10月18日

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:	TYPE:	WEIGHT:
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K	DIMENSION:	SERIAL No.:



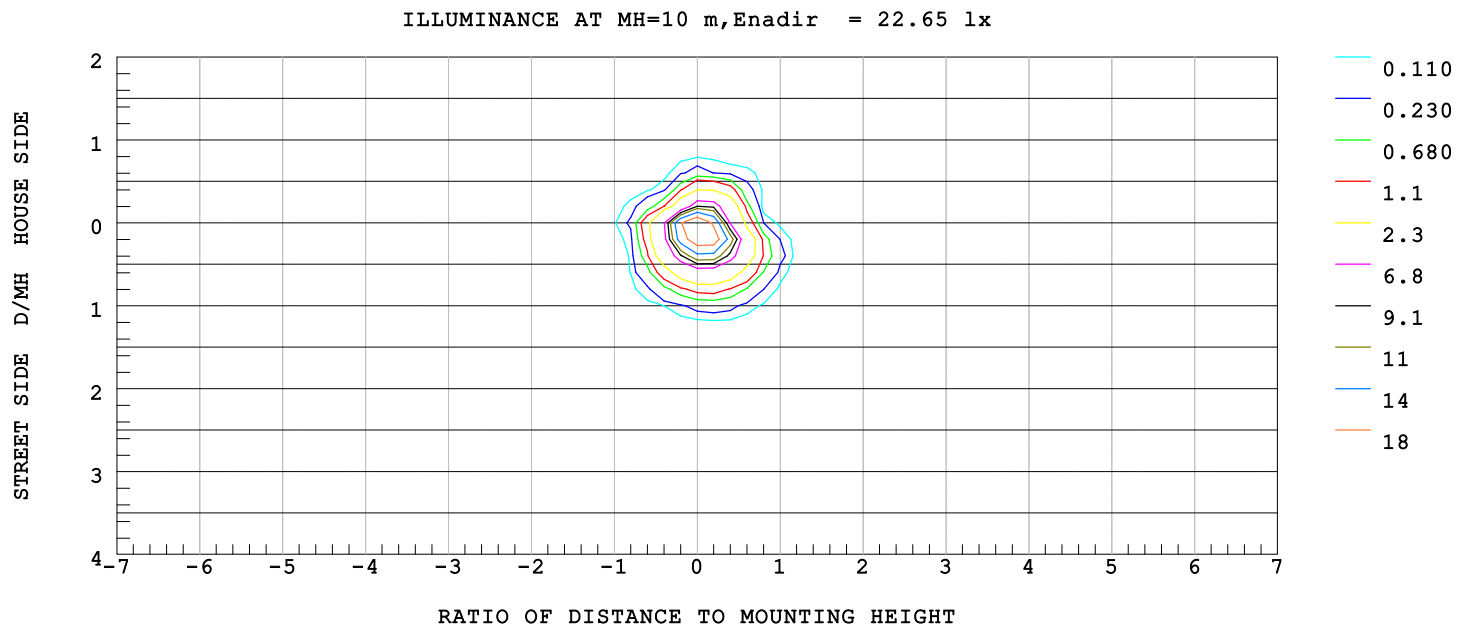
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2021年10月18日

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:	TYPE:	WEIGHT:
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K	DIMENSION:	SERIAL No.:



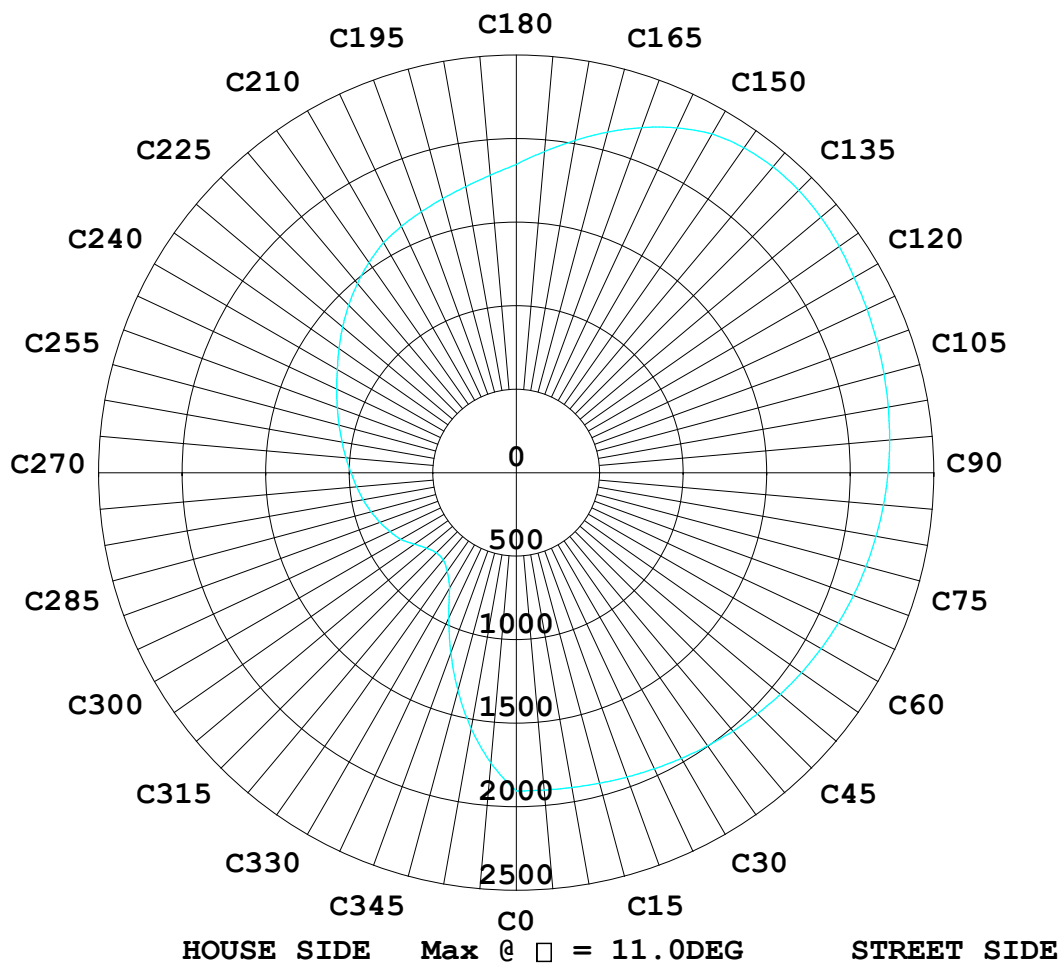
Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2021年10月18日

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:	TYPE:	WEIGHT:
SPECIFICATION: JXL-MZ05-T12W-5CCT-30K	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年10月18日

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:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: JXL-MZ05-T12W-5CCT-30K</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) □ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	2265	2179	2076	1986	1906	1914	2265	2179	2076	1986	1906	1914
5.0	2198	2185	2185	2185	2180	2193	2177	2021	1795	1590	1430	1429
10.0	1970	2028	2140	2241	2329	2338	1916	1688	1332	1094	895	899
15.0	1549	1699	1937	2097	2251	2262	1487	1211	846	651	495	492
20.0	1019	1208	1531	1796	2024	2062	972	765	481	345	238	237
25.0	590	738	1025	1306	1626	1673	564	430	247	167	92.3	107
30.0	299	389	609	817	1075	1129	297	232	129	59.3	28.2	38.0
35.0	142	190	328	458	648	677	140	94.7	29.1	29.7	16.0	23.0
40.0	50.2	62.7	165	229	348	356	34.0	33.2	17.8	18.4	9.46	14.3
45.0	27.1	22.6	55.4	87.4	167	169	19.8	22.4	10.5	11.8	5.77	9.36
50.0	16.9	14.8	27.1	27.0	56.0	46.7	11.9	15.2	6.54	8.87	4.14	7.24
55.0	10.8	9.71	18.3	15.9	28.1	22.3	6.82	11.1	4.76	6.33	1.70	4.49
60.0	8.31	6.92	12.0	9.50	17.6	12.4	5.11	8.28	1.81	3.89	1.21	3.55
65.0	5.46	4.66	9.22	5.84	11.0	6.68	2.12	4.28	1.25	3.34	1.14	3.20
70.0	3.82	1.60	6.30	4.24	8.18	4.76	1.42	3.48	1.18	3.02	1.14	2.95
75.0	3.34	1.25	3.93	1.87	5.88	2.78	1.32	3.16	1.18	2.85	1.14	2.78
80.0	3.06	1.18	3.34	1.28	3.89	1.39	1.32	2.92	1.18	2.68	1.18	2.64
85.0	2.85	1.18	3.02	1.18	3.30	1.21	1.32	2.74	1.18	2.54	1.21	2.50
90.0	2.71	1.21	2.81	1.18	3.02	1.18	1.35	2.61	1.21	2.43	1.25	2.43
95.0	2.57	1.21	2.64	1.18	2.81	1.18	1.39	2.50	1.25	2.36	1.28	2.36
100.0	2.47	1.25	2.54	1.21	2.68	1.21	1.42	2.40	1.28	2.29	1.32	2.29
105.0	2.36	1.28	2.43	1.25	2.54	1.21	1.46	2.33	1.35	2.26	1.42	2.29
110.0	2.29	1.32	2.33	1.25	2.43	1.25	1.53	2.29	1.42	2.26	1.60	2.33
115.0	2.26	1.39	2.26	1.28	2.33	1.28	1.63	2.29	1.60	2.36	1.84	2.54
120.0	2.33	1.49	2.22	1.35	2.26	1.32	1.77	2.36	1.84	2.57	2.26	2.85
125.0	2.47	1.70	2.26	1.46	2.22	1.39	2.01	2.54	2.22	2.95	2.85	3.37
130.0	2.74	2.05	2.40	1.63	2.22	1.53	2.40	2.88	2.78	3.51	3.58	4.03
135.0	3.20	2.54	2.64	1.91	2.36	1.74	2.95	3.41	3.51	4.17	4.38	4.76
140.0	3.82	3.20	3.09	2.36	2.61	2.08	3.68	4.03	4.28	4.94	5.15	5.53
145.0	4.56	3.96	3.68	2.99	3.06	2.64	4.45	4.76	5.04	5.67	5.88	6.23
150.0	5.32	4.76	4.42	3.72	3.68	3.34	5.25	5.46	5.70	6.30	6.40	6.71
155.0	6.02	5.46	5.15	4.49	4.38	4.14	5.95	6.09	6.16	6.71	6.75	7.03
160.0	6.61	6.05	5.77	5.25	5.15	4.90	6.50	6.57	6.47	6.99	6.89	7.17
165.0	6.99	6.43	6.33	5.91	5.81	5.63	6.92	6.85	6.64	7.17	6.96	7.24
170.0	7.20	6.64	6.71	6.43	6.37	6.23	7.24	7.03	6.78	7.31	6.96	7.31
175.0	7.37	6.78	6.89	6.78	6.71	6.64	7.48	7.10	6.85	7.34	6.89	7.27
180.0	7.48	6.92	6.99	7.03	6.96	6.92	7.55	7.06	6.85	7.17	6.75	7.06

Test System:HOPOO HPG1800  
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