

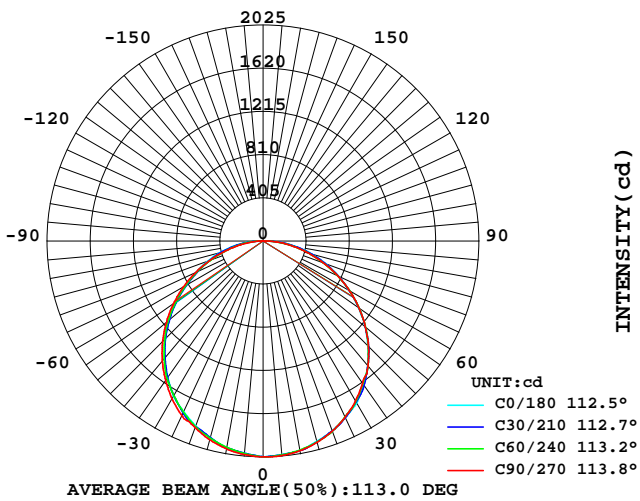
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

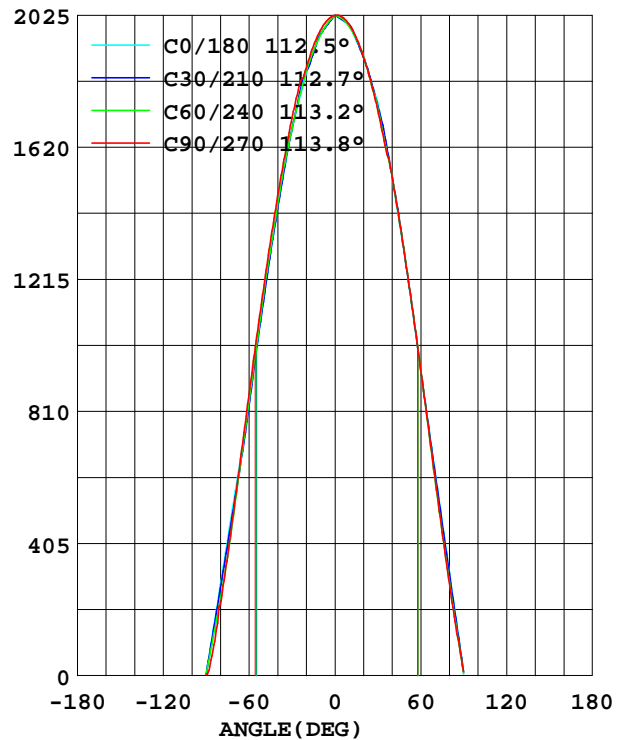
MANUFACTURER:	Address:		
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:	
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	SERIAL No.:201704120001	

DATA OF LAMP		Imax(cd)	2025	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	48	TOTAL FLUX(lm)	5858.1	Voltage(V)	220.8
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	121.8	Current(A)	0.224
NOMINAL FLUX(lm)	5858.2	$\eta$ up(%)	0.0	Power(W)	48.09
LAMPS QUANTITY	1	$\eta$ down(%)	100.0	Power Factor(PF)	0.969
TEST VOLTAGE(V)	220.9	Effective Flux(lm)	5775.1	EEI	0.113

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



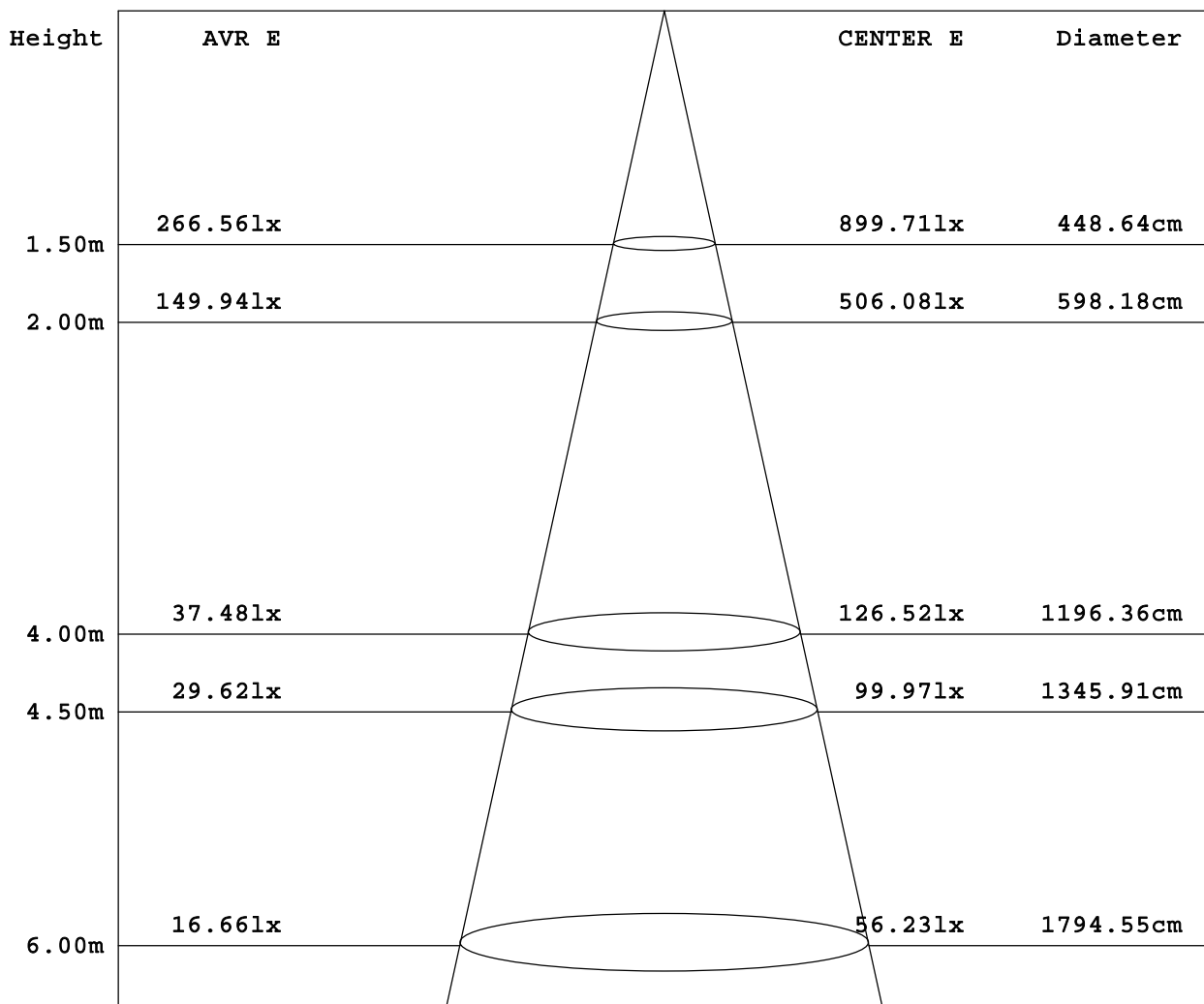
Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	Serial No.:201704120001



Angle:112.5deg

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

ZONAL FLUX DIAGRAM

Report number:

<b>MANUFACTURER:</b>		<b>Address:</b>	
<b>NAME:</b> 23040 1200X600 LED PANEL		<b>TYPE:</b> 1200x600	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>		<b>DIMENSION:</b> 1200x600 LED PANEL	<b>MODEL No.:</b> 201704120001

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1998	1998	2010	2007	2010	2013	2019	2004	0- 5	48.13	48.13
10.0	1971	1963	1979	1981	1997	1991	1997	1974	5- 10	142.5	190.7
15.0	1909	1918	1930	1942	1947	1957	1955	1930	10- 15	232.1	422.8
20.0	1847	1850	1863	1875	1896	1894	1897	1858	15- 20	313.3	736.2
25.0	1765	1776	1806	1819	1826	1824	1823	1780	20- 25	384.8	1121
30.0	1682	1678	1708	1729	1756	1738	1732	1686	25- 30	444.2	1565
35.0	1560	1563	1594	1621	1643	1640	1627	1579	30- 35	488.2	2054
40.0	1438	1441	1470	1505	1529	1534	1531	1465	35- 40	515.4	2569
45.0	1294	1297	1332	1367	1390	1398	1397	1323	40- 45	524.8	3094
50.0	1149	1152	1182	1226	1251	1260	1252	1181	45- 50	515.7	3610
55.0	988.7	994.4	1027	1070	1093	1099	1101	1018	50- 55	489.5	4099
60.0	828.7	838.0	863.1	914.7	935.3	937.9	938.4	854.4	55- 60	447.0	4546
65.0	691.2	670.9	694.0	745.7	781.2	771.4	772.0	688.8	60- 65	391.7	4938
70.0	553.6	518.8	529.0	585.1	627.1	610.0	605.6	535.9	65- 70	327.9	5266
75.0	416.0	384.5	366.9	434.2	472.9	454.2	438.7	398.0	70- 75	258.0	5524
80.0	278.5	255.1	215.4	289.1	318.8	302.9	282.0	264.5	75- 80	184.9	5709
85.0	140.9	128.3	81.38	146.9	164.7	154.2	134.1	133.1	80- 85	110.9	5820
90.0	3.381	3.381	4.508	6.762	10.68	7.546	13.32	3.626	85- 90	38.20	5858
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

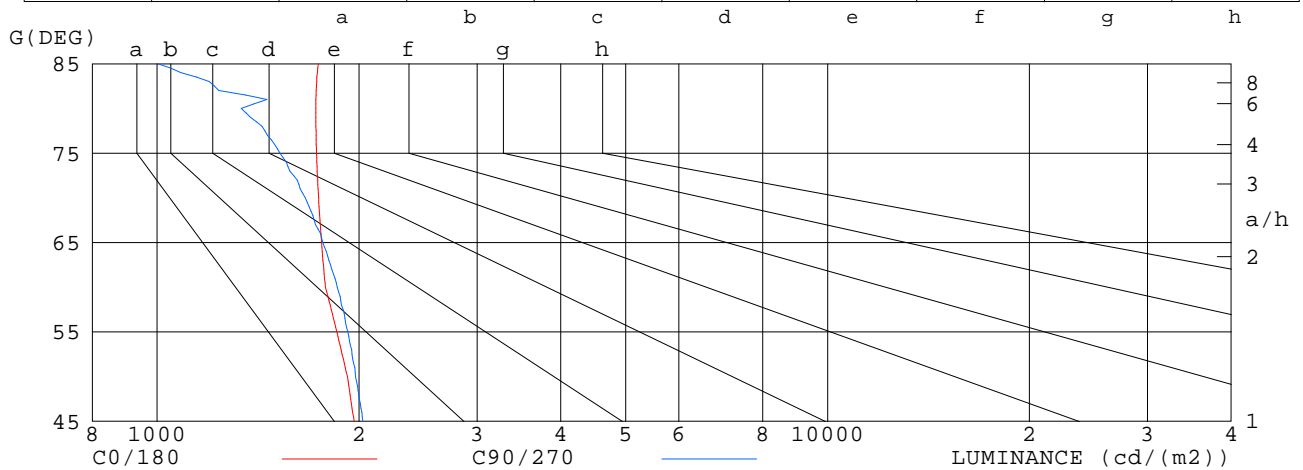
LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME: 23040 1200X600 LED PANEL</b>	<b>TYPE:1200x600</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION:</b>	<b>DIMENSION: 1200x600 LED PANEL</b>	<b>Material No.:201704120001</b>	

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=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



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1739	1004
80	1725	1334
75	1729	1525
70	1741	1663
65	1759	1766
60	1782	1856
55	1854	1925
50	1922	1977
45	1967	2026

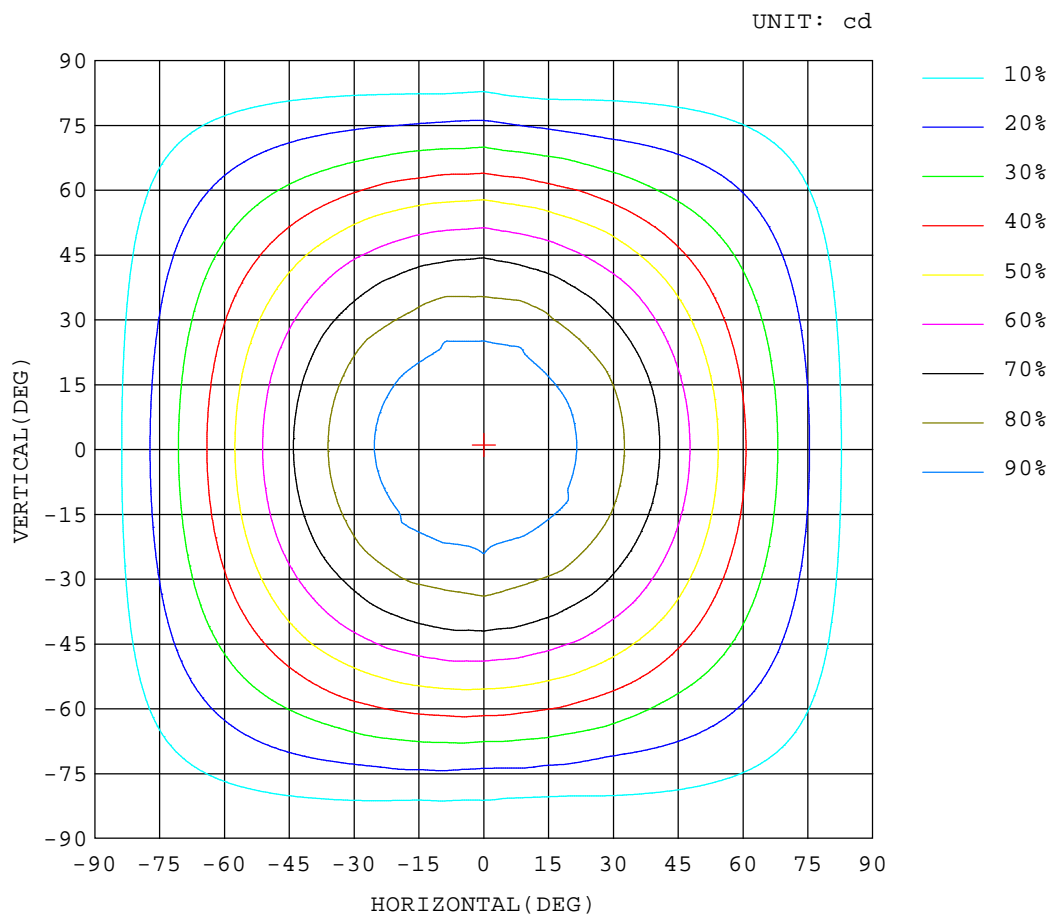
Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	PANEL No.:201704120001



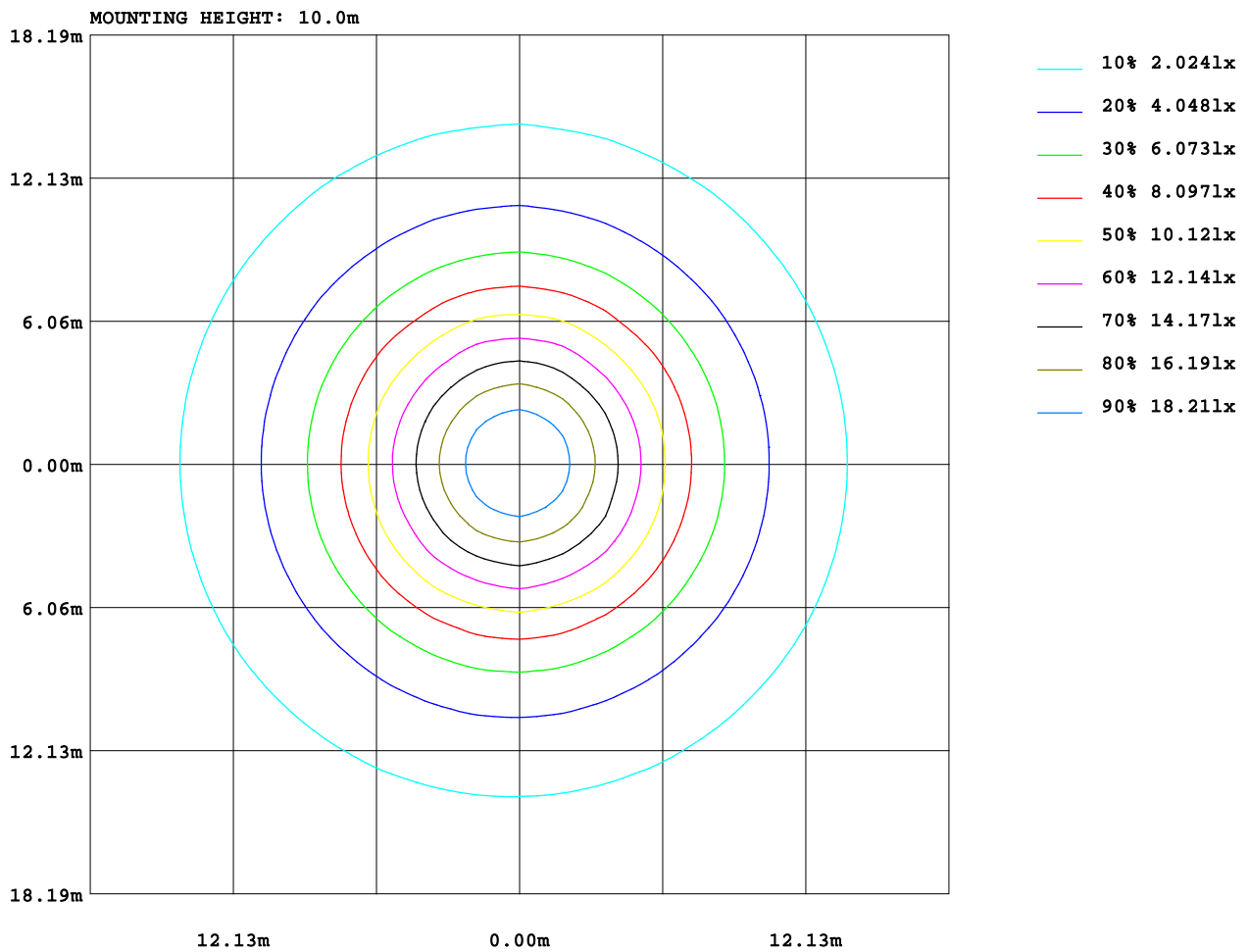
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	PANEL No.:201704120001



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	Panel No.:201704120001

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm	Φ t	Φ a
	0.07	0.40	0.96	1.65	2.39	3.05	3.54	3.85	4.11	3.63	3.26	3.05	2.63	2.04	1.39	0.79	0.31	0.05	37.2	8.42
90	0.17	1.03	2.60	4.65	6.88	9.01	10.8	12.3	13.2	12.7	11.1	9.49	7.86	6.01	4.05	2.25	0.88	0.13	115	109
80	0.26	1.65	4.21	7.60	11.4	15.2	18.9	21.7	23.1	22.7	20.4	17.2	13.5	10.0	6.67	3.68	1.42	0.21	200	198
70	0.34	2.21	5.71	10.4	15.9	21.7	27.0	30.9	32.9	32.5	29.7	25.3	19.7	14.1	9.19	5.02	1.93	0.29	285	284
60	0.41	2.72	7.07	13.0	20.1	27.7	34.4	39.3	41.9	41.5	38.1	32.6	25.7	18.2	11.5	6.23	2.38	0.35	364	363
50	0.47	3.15	8.24	15.3	23.9	32.8	40.6	46.3	49.3	48.9	45.3	38.8	30.7	21.8	13.6	7.27	2.76	0.41	430	430
40	0.52	3.49	9.16	17.1	26.8	36.7	45.3	51.5	54.9	54.6	50.4	43.6	34.7	24.7	15.3	8.09	3.06	0.45	481	481
30	0.55	3.71	9.79	18.4	28.8	39.4	48.5	55.1	58.7	58.3	54.0	46.8	37.4	26.7	16.6	8.66	3.27	0.48	516	516
20	0.57	3.83	10.1	19.0	29.8	40.8	50.1	56.9	60.6	60.2	55.8	48.4	38.7	27.7	17.2	8.95	3.37	0.49	533	533
10	0.57	3.83	10.0	19.0	29.7	40.6	50.0	56.7	60.4	60.0	55.6	48.3	38.6	27.7	17.2	8.93	3.37	0.49	532	531
0	0.55	3.70	9.74	18.3	28.6	39.1	48.2	54.7	58.0	57.6	53.8	46.7	37.1	26.6	16.5	8.62	3.26	0.48	512	512
-10	0.52	3.47	9.08	16.9	26.5	36.2	44.8	50.8	53.9	53.5	49.7	43.1	34.2	24.5	15.2	8.04	3.05	0.45	475	474
-20	0.47	3.13	8.14	15.0	23.5	32.1	39.7	45.1	47.9	47.5	44.0	38.0	30.1	21.6	13.4	7.20	2.75	0.40	421	420
-30	0.41	2.70	6.97	12.7	19.7	26.9	33.3	37.8	40.2	39.8	36.8	31.7	25.1	17.8	11.3	6.15	2.36	0.35	353	352
-40	0.34	2.19	5.61	10.1	15.4	21.0	25.8	29.4	31.1	30.7	28.3	24.3	19.2	13.7	9.00	4.94	1.91	0.29	274	273
-50	0.26	1.63	4.13	7.39	10.9	14.5	17.9	20.2	21.2	20.9	19.2	16.5	13.0	9.72	6.52	3.62	1.41	0.21	190	188
-60	0.17	1.02	2.55	4.51	6.58	8.47	10.0	11.1	11.4	11.1	10.3	8.97	7.50	5.81	3.95	2.21	0.87	0.13	107	99.8
-70	0.07	0.40	0.94	1.59	2.27	2.85	3.22	3.35	3.14	2.81	2.94	2.84	2.50	1.97	1.35	0.77	0.31	0.05	33.4	3.30
-80																				
-90																				
	Φ t	6.71	44.3	115	213	330	449	553	628	667	660	610	526	419	301	191	102	38.7	5.70	5858
	Φ a	3.14	40.0	111	209	325	444	548	623	662	655	604	521	414	296	186	96.7	33.8	1.86	5775

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

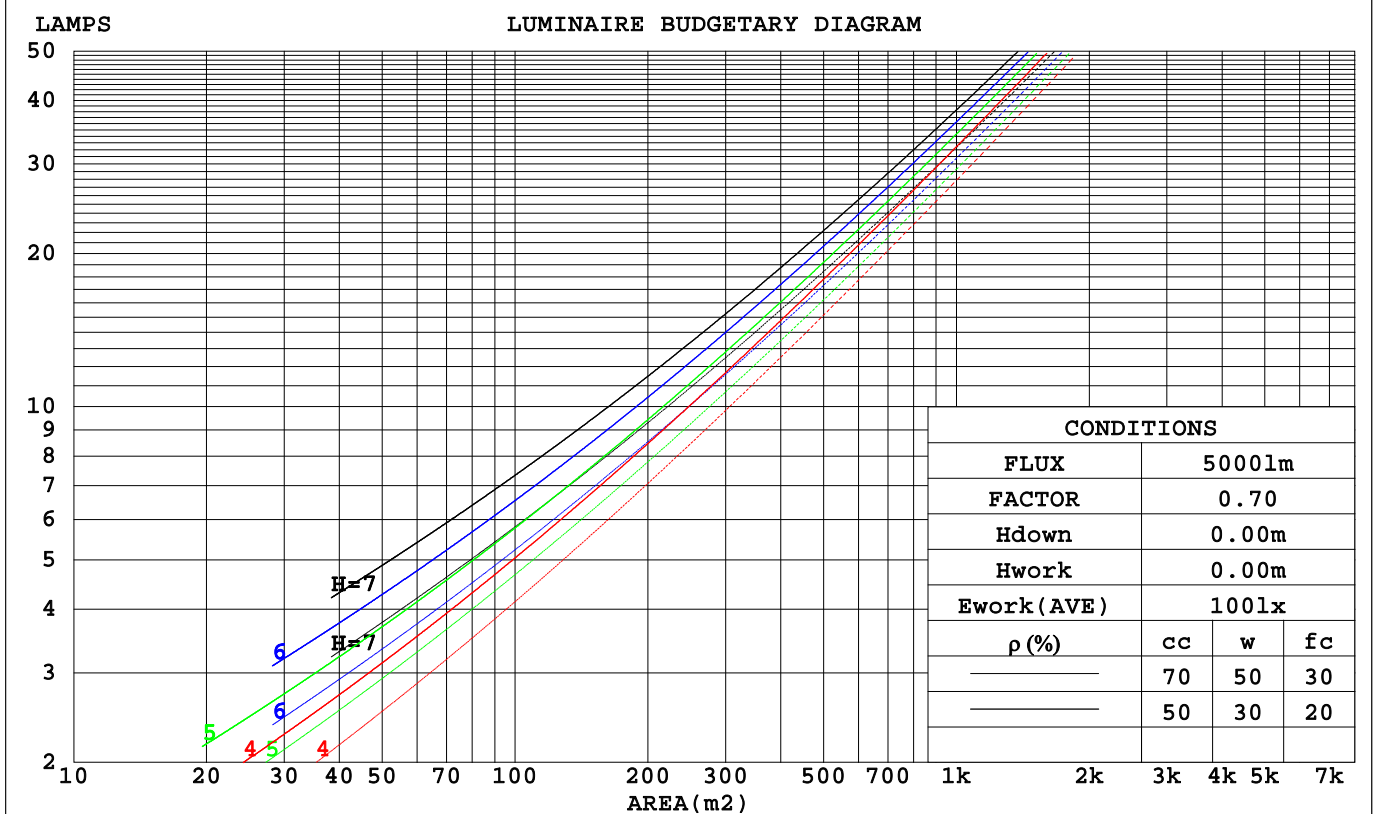
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:		Address:			
NAME: 23040 1200X600 LED PANEL		TYPE:1200x600		WEIGHT:	
SPECIFICATION:		DIMENSION: 1200x600 LED PANEL No.:201704120001			

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED



WEC AND CCEC

Report number:

MANUFACTURER:			Address:					
NAME: 23040 1200X600 LED PANEL			TYPE:1200x600			WEIGHT:		
SPECIFICATION:			DIMENSION: 1200x600 LED PANEL No.:201704120001					

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.319	.182	.058	.312	.178	.057	.299	.172	.055	.287	.165	.053	.275	.160	.051	
2.0	.297	.163	.050	.291	.160	.049	.279	.155	.048	.269	.151	.047	.259	.146	.046	
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.133	.041	
4.0	.252	.131	.038	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.115	.034	.212	.112	.033	.205	.110	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.103	.030	.191	.101	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

Uncorrected UGR Table

Report number:

MANUFACTURER:	Address:			
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600		WEIGHT:	
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL No.:201704120001			

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	14.8	16.3	15.1	16.5	16.7	14.9	16.5	15.2	16.7	16.9
3H	16.4	17.8	16.7	18.1	18.3	16.4	17.8	16.7	18.1	18.3
4H	17.1	18.5	17.4	18.7	19.0	17.0	18.3	17.3	18.6	18.9
6H	17.7	19.0	18.1	19.3	19.6	17.4	18.7	17.7	19.0	19.2
8H	18.0	19.2	18.3	19.5	19.8	17.5	18.8	17.9	19.1	19.4
12H	18.1	19.3	18.5	19.6	19.9	17.6	18.8	17.9	19.1	19.4
4H 2H	15.4	16.7	15.7	17.0	17.2	15.5	16.8	15.8	17.1	17.4
3H	17.2	18.4	17.5	18.7	19.0	17.2	18.3	17.5	18.6	18.9
4H	18.1	19.1	18.4	19.5	19.8	17.9	19.0	18.2	19.3	19.6
6H	18.8	19.8	19.2	20.1	20.5	18.4	19.4	18.8	19.7	20.1
8H	19.1	20.0	19.5	20.4	20.8	18.6	19.5	19.0	19.9	20.3
12H	19.4	20.2	19.8	20.6	21.0	18.7	19.5	19.1	19.9	20.3
8H 4H	18.3	19.2	18.8	19.6	20.0	18.2	19.1	18.6	19.4	19.8
6H	19.3	20.0	19.7	20.5	20.9	18.9	19.6	19.3	20.0	20.5
8H	19.7	20.4	20.2	20.8	21.3	19.2	19.8	19.6	20.3	20.7
12H	20.1	20.7	20.6	21.1	21.6	19.4	19.9	19.8	20.4	20.9
12H 4H	18.4	19.2	18.8	19.6	20.0	18.2	19.0	18.6	19.4	19.8
6H	19.4	20.0	19.8	20.5	20.9	19.0	19.7	19.4	20.1	20.5
8H	19.8	20.4	20.3	20.9	21.3	19.3	19.9	19.8	20.3	20.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 5858 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.1)

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:	
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	SERIAL No.:201704120001	

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	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	77	70	86	77	70	83	75	69	61
2.00	94	86	79	93	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

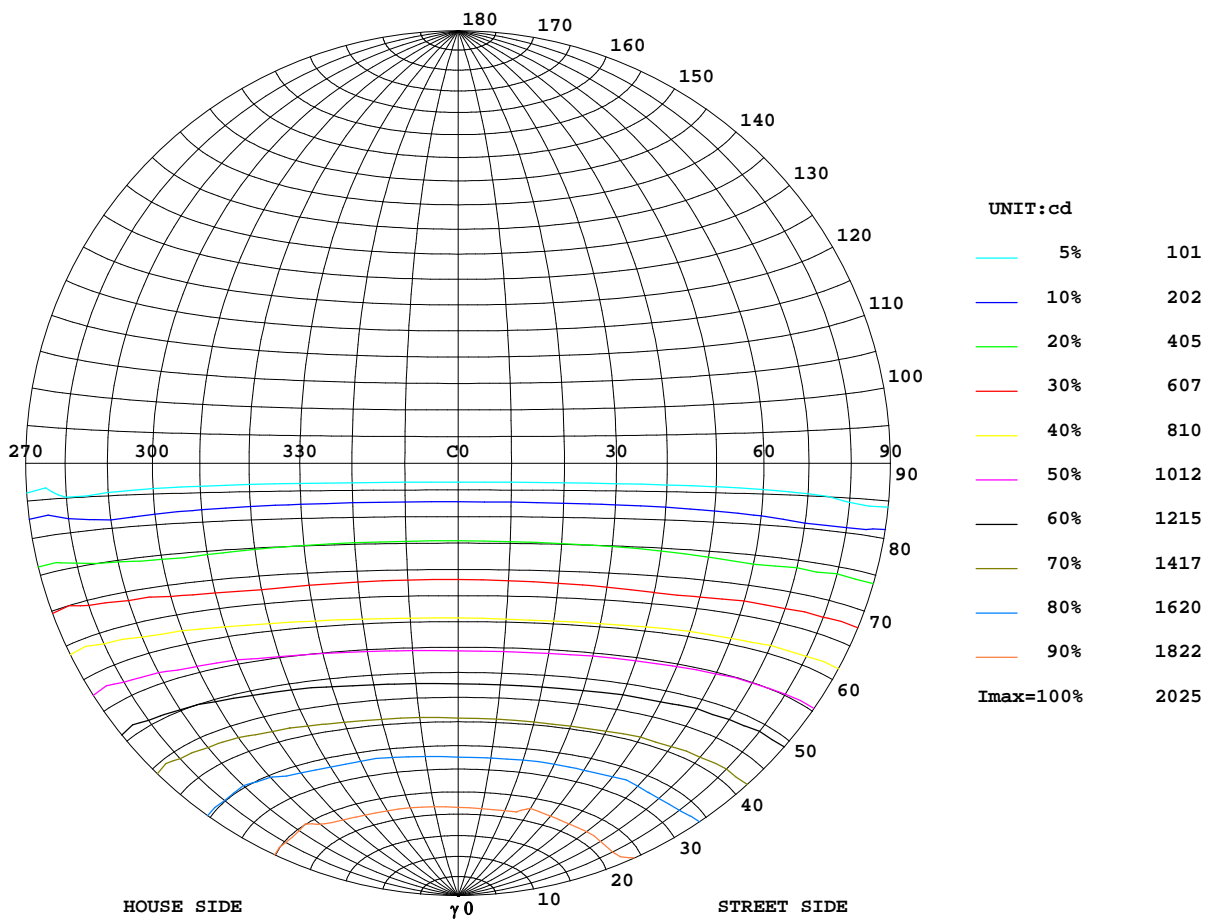
Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	PANEL No.:201704120001



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

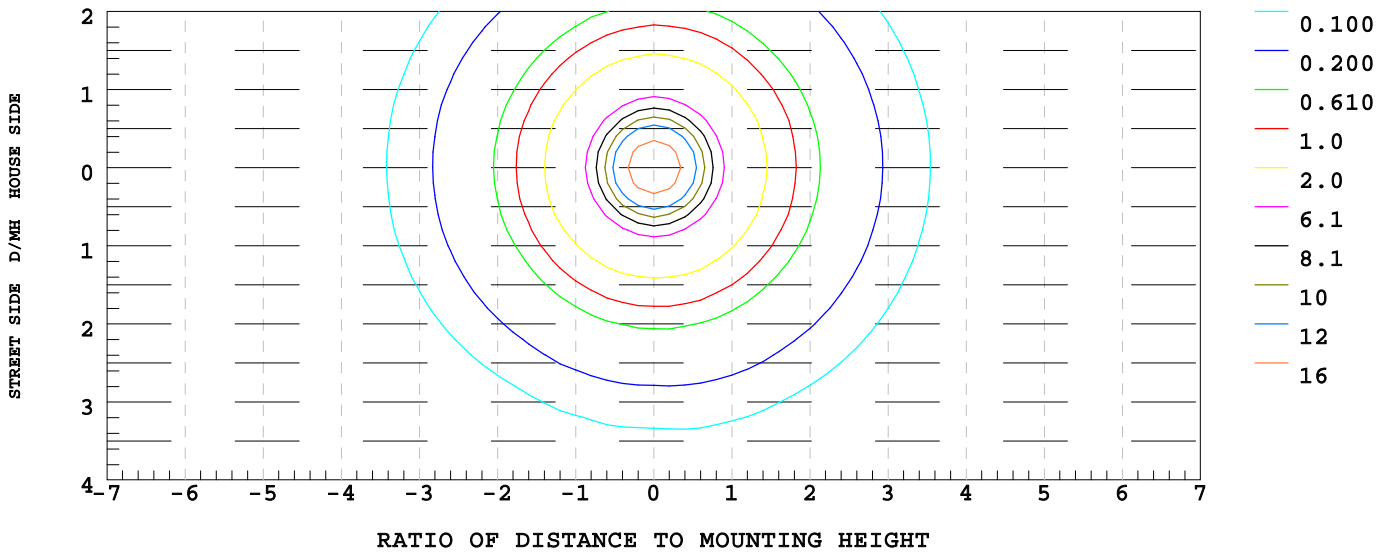
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	PANEL No.:201704120001

ILLUMINANCE AT MH=10 m, Enadir = 20.24 lx



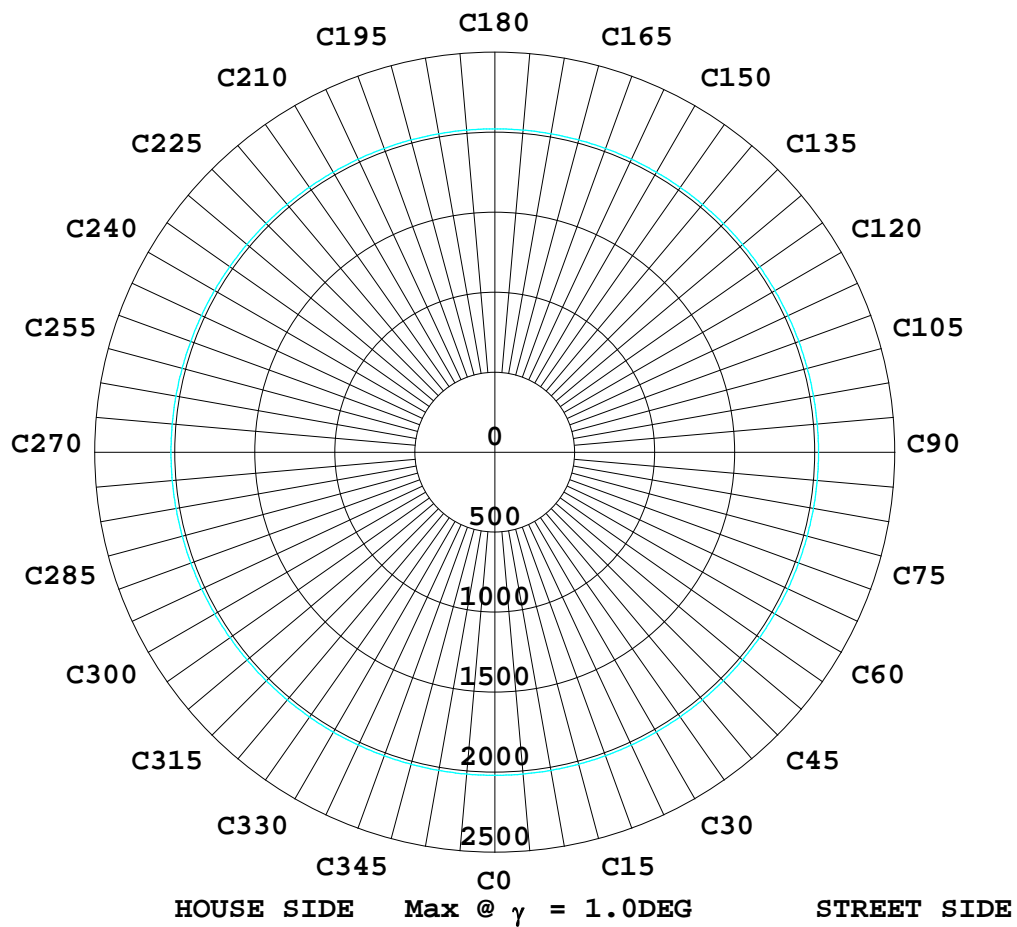
Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: 23040 1200X600 LED PANEL	TYPE:1200x600	WEIGHT:
SPECIFICATION:	DIMENSION: 1200x600 LED PANEL	SERIAL No.:201704120001



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: 23040 1200X600 LED PANEL</b>	<b>TYPE:1200x600</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION: 1200x600 LED PANEL No.:201704120001</b>	

UNIT: cd

γ (DEG)	C(DEG)															
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	
0.0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	
5.0	1998	1997	1997	1997	1997	1997	1997	1997	1997	1997	1998	1999	1999	2000	2001	
10.0	1971	1971	1970	1969	1968	1967	1966	1965	1964	1963	1963	1963	1964	1965	1967	
15.0	1909	1908	1908	1907	1907	1908	1909	1911	1915	1918	1918	1916	1915	1914	1915	
20.0	1847	1846	1844	1843	1841	1841	1855	1854	1852	1850	1850	1850	1853	1851	1849	
25.0	1765	1763	1762	1761	1760	1776	1777	1780	1782	1776	1772	1769	1769	1771	1773	
30.0	1682	1680	1678	1676	1676	1675	1674	1674	1675	1678	1684	1679	1674	1672	1675	
35.0	1560	1559	1558	1558	1558	1559	1562	1566	1564	1563	1564	1568	1572	1564	1565	
40.0	1438	1437	1435	1433	1432	1430	1431	1432	1435	1441	1441	1440	1443	1449	1448	
45.0	1294	1292	1292	1291	1292	1293	1295	1296	1296	1297	1301	1309	1306	1309	1314	
50.0	1149	1148	1147	1146	1145	1145	1145	1146	1148	1152	1153	1155	1162	1161	1165	
55.0	989	988	988	987	988	990	993	995	994	994	997	1001	1002	1010	1009	
60.0	829	828	827	826	826	827	828	830	833	838	838	839	841	843	853	
65.0	691	690	688	685	681	677	673	668	668	671	674	679	679	680	682	
70.0	554	552	550	548	544	541	536	531	525	519	512	513	518	522	520	
75.0	416	415	414	411	408	405	401	396	391	385	378	370	363	362	368	
80.0	279	278	277	275	273	270	268	264	260	255	250	243	237	229	221	
85.0	141	141	140	139	138	137	135	133	131	128	125	122	118	113	108	
90.0	3.38	3.33	3.33	3.33	3.33	3.28	3.28	3.28	3.38	3.38	3.47	3.47	3.52	3.52	3.43	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: 23040 1200X600 LED PANEL</b>	<b>TYPE:1200x600</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION: 1200x600 LED PANEL No.:201704120001</b>	

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
5.0	2004	2006	2008	2010	2009	2008	2008	2007	2007	2006	2006	2007	2007	2007	2007
10.0	1969	1972	1975	1979	1977	1976	1975	1975	1976	1976	1978	1979	1981	1983	1986
15.0	1917	1920	1924	1930	1928	1927	1927	1928	1930	1933	1938	1942	1942	1941	1941
20.0	1850	1852	1856	1863	1861	1860	1862	1866	1872	1878	1878	1878	1875	1876	1878
25.0	1776	1783	1792	1806	1798	1793	1792	1794	1796	1799	1803	1811	1819	1825	1810
30.0	1677	1683	1693	1708	1699	1695	1696	1699	1703	1709	1720	1729	1729	1730	1733
35.0	1583	1584	1585	1594	1592	1592	1592	1590	1599	1612	1615	1616	1621	1627	1634
40.0	1457	1462	1462	1470	1470	1478	1481	1479	1488	1488	1492	1500	1505	1505	1506
45.0	1316	1327	1325	1332	1334	1345	1341	1348	1351	1356	1366	1365	1367	1371	1376
50.0	1167	1177	1177	1182	1186	1196	1195	1202	1207	1216	1215	1220	1226	1227	1229
55.0	1013	1018	1023	1027	1034	1038	1042	1048	1057	1058	1064	1066	1070	1075	1081
60.0	850	854	864	863	875	875	881	893	892	898	903	909	915	915	917
65.0	689	687	699	694	711	709	721	723	728	735	743	743	746	749	753
70.0	522	526	530	529	542	547	553	559	569	571	572	577	585	592	599
75.0	365	371	367	367	378	392	394	404	404	409	417	426	434	442	448
80.0	224	220	222	215	232	239	247	249	258	267	275	282	289	295	300
85.0	101	86.9	79.5	81.3	102	106	119	122	128	134	139	143	147	150	154
90.0	3.43	3.23	3.03	4.50	3.23	3.62	4.01	4.45	4.90	5.39	5.68	6.07	6.76	7.35	8.13

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED



LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: 23040 1200X600 LED PANEL</b>	<b>TYPE:1200x600</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION: 1200x600 LED PANEL</b>	<b>SERIAL No.:201704120001</b>

UNIT: cd

C(DEG)\ γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
5.0	2008	2008	2009	2009	2010	2010	2010	2011	2011	2011	2011	2011	2012	2012	2012
10.0	1988	1989	1991	1993	1994	1996	1997	1997	1997	1997	1996	1996	1995	1993	1992
15.0	1941	1942	1942	1943	1944	1945	1947	1947	1948	1949	1949	1950	1951	1953	1954
20.0	1881	1884	1887	1890	1892	1895	1896	1897	1898	1897	1897	1896	1895	1894	1893
25.0	1811	1814	1817	1820	1822	1824	1826	1827	1828	1828	1828	1827	1827	1827	1827
30.0	1730	1735	1741	1746	1750	1754	1756	1757	1756	1755	1752	1749	1746	1743	1740
35.0	1634	1634	1635	1637	1639	1641	1643	1644	1645	1647	1648	1650	1652	1654	1647
40.0	1508	1512	1516	1520	1524	1527	1529	1531	1531	1531	1531	1530	1530	1529	1530
45.0	1379	1380	1382	1384	1386	1388	1390	1392	1393	1393	1396	1398	1402	1402	1400
50.0	1233	1237	1241	1244	1247	1249	1251	1252	1252	1252	1252	1252	1252	1253	1256
55.0	1084	1084	1086	1088	1090	1091	1093	1094	1096	1097	1098	1098	1100	1100	1099
60.0	919	922	925	928	931	933	935	936	937	938	938	938	937	937	937
65.0	760	764	769	773	777	779	781	782	782	782	781	779	778	774	773
70.0	605	611	616	620	623	625	627	628	628	627	626	624	621	617	614
75.0	454	459	463	467	470	472	473	473	473	472	471	469	466	463	459
80.0	305	309	312	315	316	318	319	319	319	318	317	315	313	310	307
85.0	157	159	161	162	163	164	165	165	164	164	163	162	161	159	157
90.0	9.01	9.45	9.89	10.4	10.5	10.6	10.6	10.3	10.1	10.0	9.65	9.35	9.01	8.47	7.98

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>		<b>Address:</b>	
<b>NAME: 23040 1200X600 LED PANEL</b>		<b>TYPE:1200x600</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>		<b>DIMENSION: 1200x600 LED PANELIAL No.:201704120001</b>	

UNIT: cd

C(DEG)\ γ (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
5.0	2013	2013	2014	2014	2015	2015	2016	2017	2018	2019	2017	2015	2013	2011	2009
10.0	1991	1991	1990	1990	1989	1990	1991	1992	1994	1997	1992	1988	1984	1981	1979
15.0	1957	1958	1955	1952	1950	1949	1949	1950	1952	1955	1948	1943	1939	1936	1934
20.0	1894	1894	1897	1900	1897	1893	1891	1891	1893	1897	1888	1882	1878	1876	1876
25.0	1824	1821	1819	1820	1824	1832	1833	1827	1823	1823	1818	1816	1817	1823	1811
30.0	1738	1739	1738	1739	1744	1752	1750	1739	1733	1732	1726	1726	1731	1726	1713
35.0	1640	1636	1633	1634	1635	1644	1650	1637	1629	1627	1621	1622	1627	1616	1611
40.0	1534	1528	1523	1531	1535	1527	1526	1525	1524	1531	1515	1507	1500	1493	1493
45.0	1398	1398	1402	1397	1399	1401	1393	1396	1390	1397	1380	1377	1364	1363	1352
50.0	1260	1256	1253	1255	1254	1256	1252	1249	1247	1252	1236	1228	1220	1215	1202
55.0	1099	1102	1106	1100	1101	1098	1104	1094	1093	1101	1081	1071	1069	1053	1046
60.0	938	937	938	943	938	937	937	937	932	938	919	912	900	889	881
65.0	771	771	770	769	774	772	770	774	767	772	753	746	730	723	716
70.0	610	605	603	600	599	603	602	601	597	606	582	572	562	554	543
75.0	454	449	444	440	436	433	435	434	439	439	422	404	395	386	383
80.0	303	298	293	289	283	280	276	278	277	282	258	248	238	240	245
85.0	154	151	148	145	141	137	135	132	130	134	105	104	112	117	122
90.0	7.54	6.90	6.27	5.48	4.55	4.01	3.72	3.52	3.52	13.3	3.57	3.77	3.87	3.87	3.92

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME: 23040 1200X600 LED PANEL</b>	<b>TYPE:1200x600</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION:</b>	<b>DIMENSION: 1200x600 LED PANEL</b>	<b>SERIAL No.:201704120001</b>	

UNIT: cd

C(DEG)\ γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
5.0	2008	2006	2005	2004	2003	2002	2001	2000	1999	1999	1998	1998
10.0	1977	1976	1975	1974	1973	1973	1973	1973	1972	1972	1972	1972
15.0	1933	1933	1933	1930	1925	1922	1919	1916	1914	1913	1911	1910
20.0	1875	1868	1862	1858	1855	1853	1852	1851	1850	1849	1849	1848
25.0	1791	1784	1781	1780	1779	1776	1774	1771	1769	1768	1767	1766
30.0	1703	1695	1691	1686	1683	1682	1681	1682	1682	1683	1683	1683
35.0	1603	1584	1581	1579	1580	1583	1578	1573	1569	1566	1564	1562
40.0	1482	1473	1466	1465	1457	1452	1448	1446	1444	1443	1441	1440
45.0	1342	1339	1329	1323	1321	1319	1314	1308	1303	1300	1297	1295
50.0	1195	1186	1183	1181	1172	1165	1161	1157	1154	1152	1151	1150
55.0	1037	1036	1025	1018	1012	1008	1004	1000	997	994	992	990
60.0	878	866	859	854	849	845	841	838	836	833	832	830
65.0	704	698	694	689	685	683	686	688	690	691	692	692
70.0	537	533	532	536	540	543	547	550	552	553	554	554
75.0	383	388	393	398	403	406	410	412	414	415	416	417
80.0	251	255	260	265	268	271	273	275	277	278	279	279
85.0	125	128	131	133	135	137	138	139	140	141	141	141
90.0	3.87	3.77	3.77	3.62	3.57	3.52	3.43	3.38	3.43	3.38	3.38	3.38

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年04月12日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks: 2835 4000K LED