

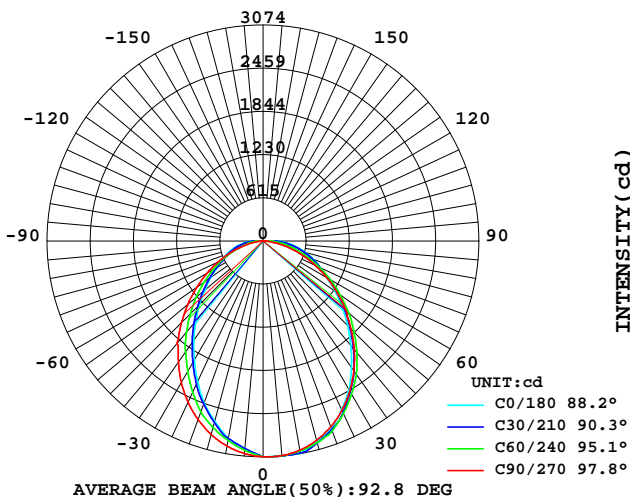
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

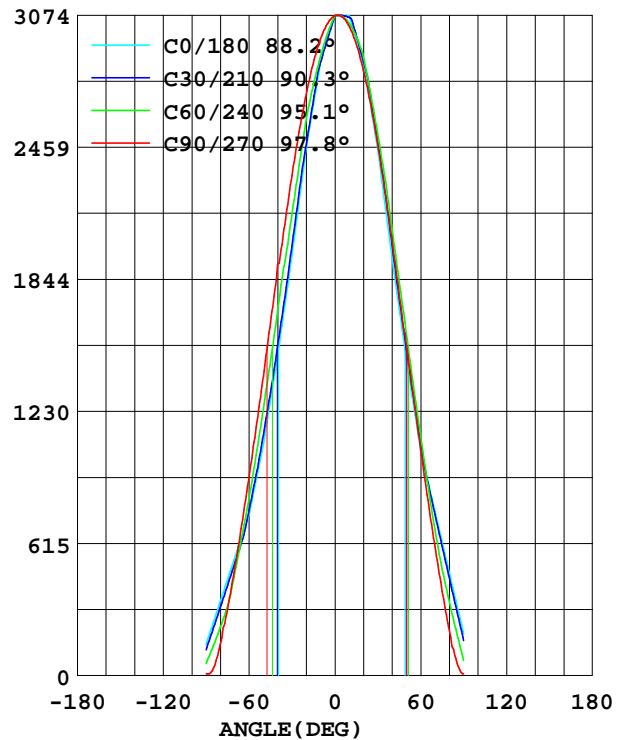
MANUFACTURER:	Address:		
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001	

DATA OF LAMP		I _{max} (cd)	3074	S/MH(C0/180)	1.00
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.14
NOMINAL POWER(W)	58	TOTAL FLUX(lm)	7239.0	Voltage(V)	220.6
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	125.9	Current(A)	0.460
NOMINAL FLUX(lm)	7239.0	η up(%)	0.0	Power(W)	57.50
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.566
TEST VOLTAGE(V)	220.6	Effective Flux(lm)	7053.4	EEI	0.111

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



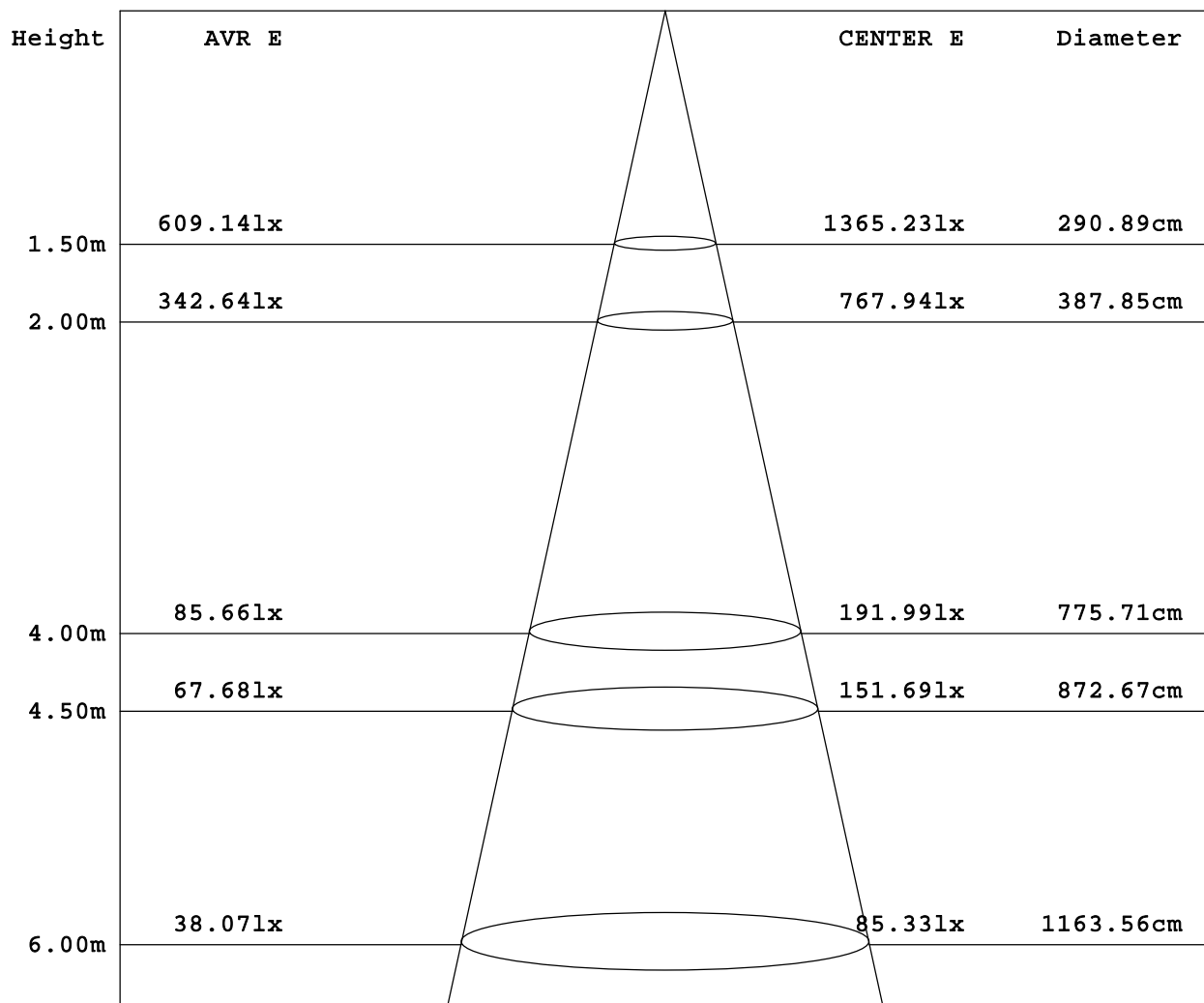
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001



Angle:88.2deg

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		Address:	
NAME: GL1500CBA 60W NARROW LENS		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION: 1500mm	SERIAL No.:20170407001

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2964	2976	3036	3051	3071	3071	3066	2996	0- 5	72.77	72.77
10.0	2857	2863	2965	3011	3070	3050	3023	2900	5- 10	214.1	286.9
15.0	2658	2721	2853	2938	2959	2995	2939	2774	10- 15	344.6	631.6
20.0	2459	2516	2706	2787	2848	2861	2816	2581	15- 20	456.3	1088
25.0	2208	2301	2531	2622	2648	2712	2661	2376	20- 25	545.1	1633
30.0	1957	2069	2328	2418	2448	2516	2470	2150	25- 30	606.1	2239
35.0	1723	1826	2101	2187	2197	2283	2254	1910	30- 35	639.8	2879
40.0	1489	1612	1915	1956	1945	2048	2023	1674	35- 40	647.0	3526
45.0	1283	1384	1643	1714	1707	1803	1773	1442	40- 45	631.5	4158
50.0	1077	1165	1392	1481	1470	1568	1542	1220	45- 50	596.4	4754
55.0	913.2	975.3	1155	1255	1258	1326	1295	1018	50- 55	544.8	5299
60.0	749.5	794.6	924.9	1043	1046	1097	1050	823.4	55- 60	481.9	5781
65.0	648.8	627.2	703.8	842.9	904.3	894.3	817.9	655.2	60- 65	412.6	6194
70.0	548.1	488.0	500.3	669.0	762.3	714.9	600.2	513.0	65- 70	344.0	6538
75.0	447.5	383.0	310.6	523.5	620.3	560.1	392.3	402.6	70- 75	274.5	6812
80.0	346.8	283.0	146.8	384.9	478.3	410.7	208.4	296.4	75- 80	205.7	7018
85.0	246.2	186.0	31.50	250.3	336.3	264.4	68.50	192.4	80- 85	140.1	7158
90.0	145.5	91.33	8.379	119.0	194.3	121.4	7.644	90.89	85- 90	80.98	7239
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10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

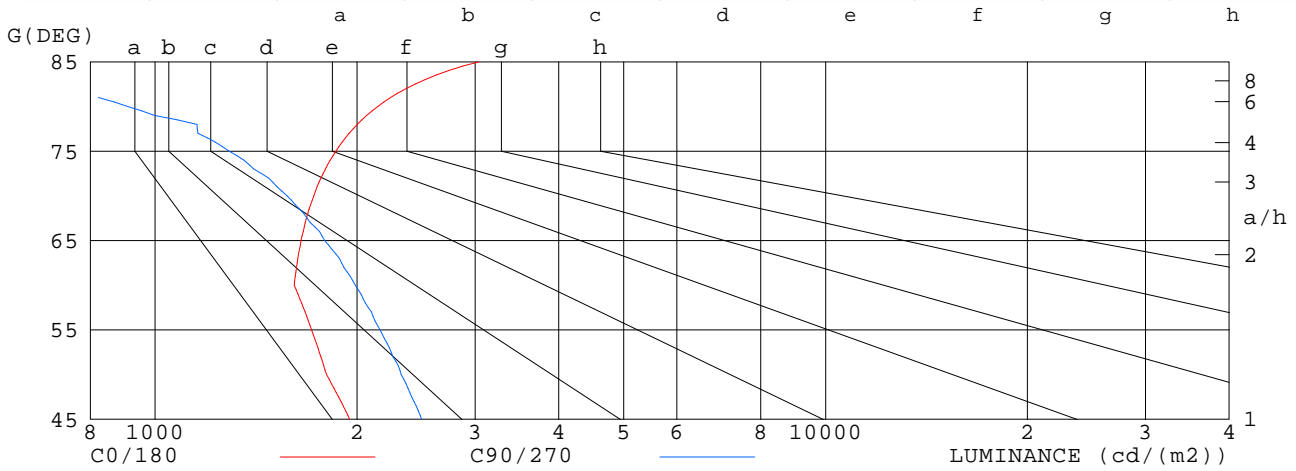
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:		
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001	

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	3038	389
80	2148	909
75	1859	1290
70	1723	1573
65	1651	1791
60	1612	1989
55	1712	2166
50	1802	2329
45	1951	2498

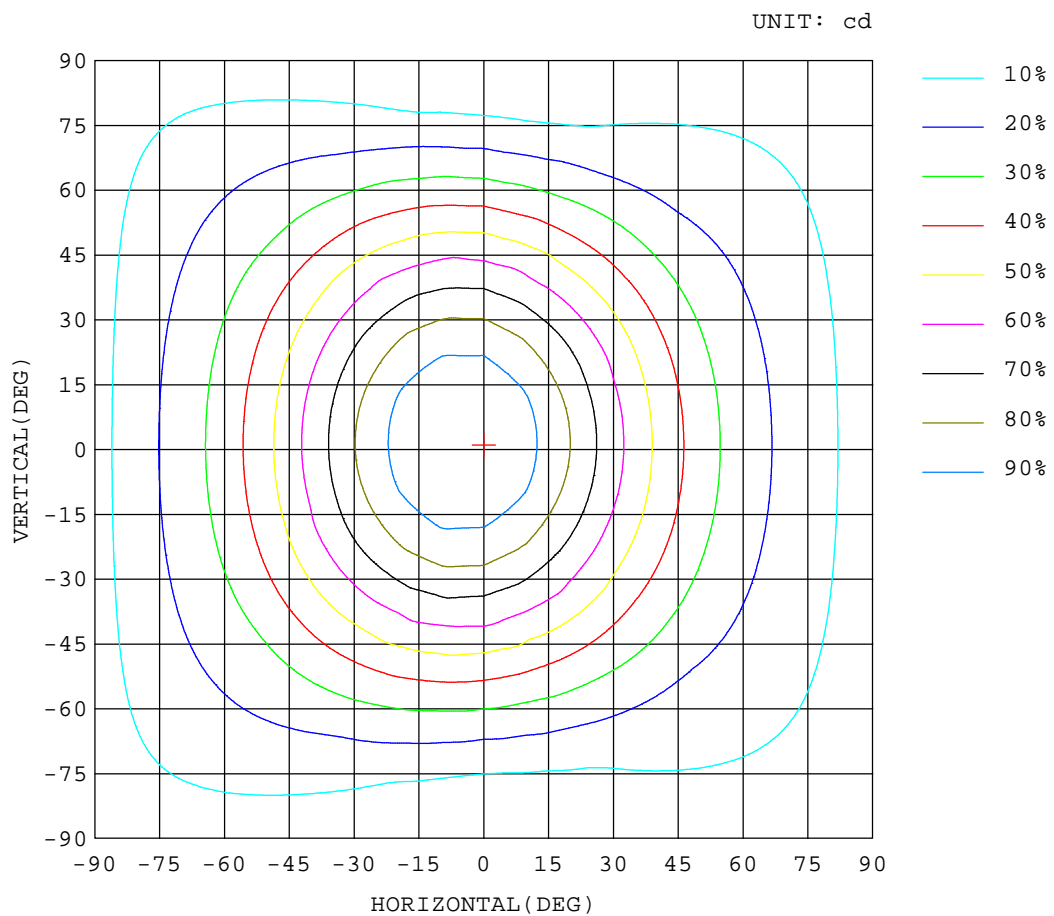
Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001



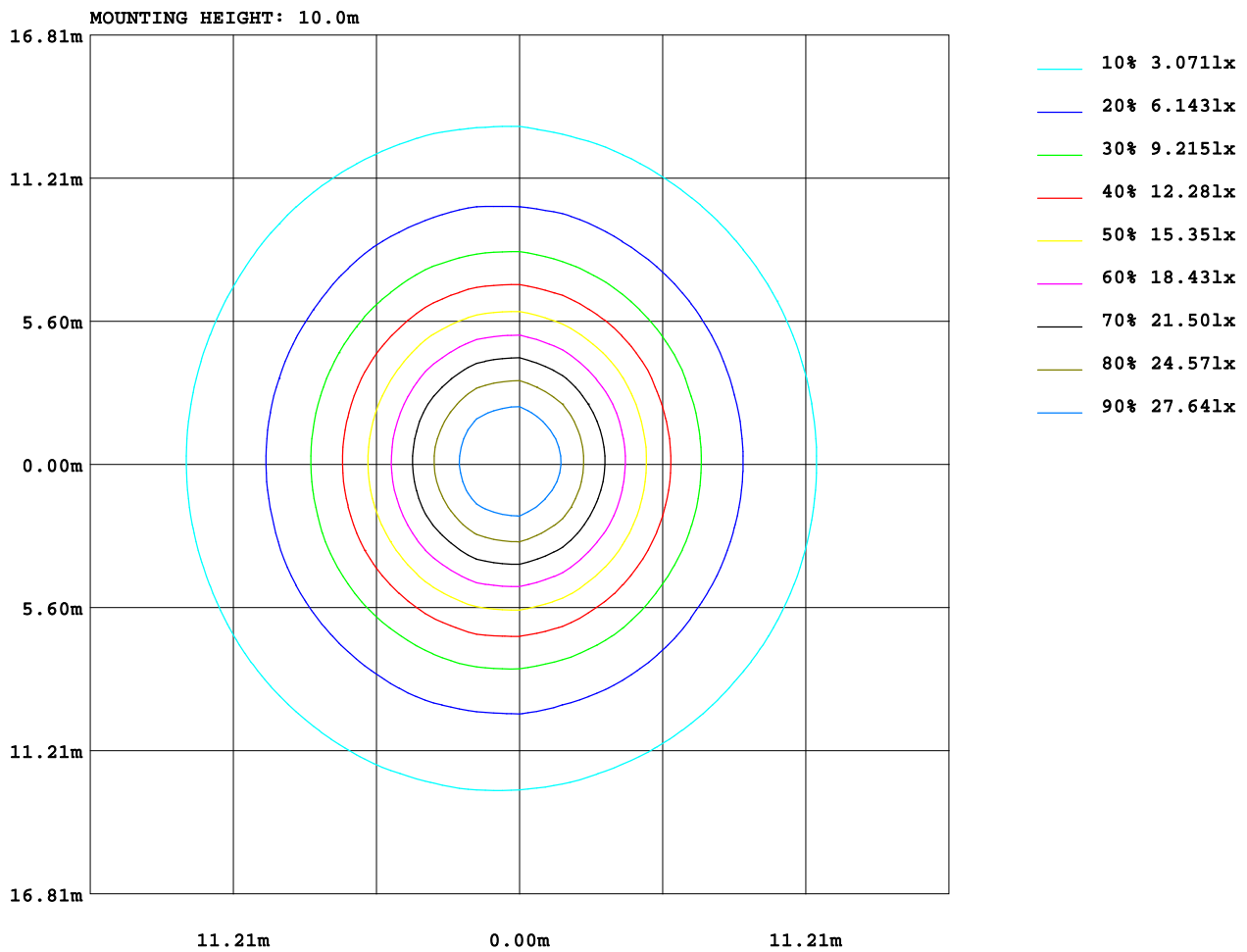
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.55	1.77	3.01	4.07	4.77	4.99	4.62	3.68	2.72	2.16	2.54	3.30	3.63	3.49	2.98	2.21	1.31	0.41	52.2	1.31	
90	0.64	2.36	4.59	7.00	9.24	10.9	11.9	12.4	12.3	11.2	9.69	8.55	7.82	6.66	5.06	3.33	1.73	0.48	126	96.0	
80	0.72	2.94	6.13	9.90	13.8	17.6	21.4	24.2	25.1	23.6	20.5	16.6	12.8	9.92	7.13	4.43	2.14	0.53	220	216	
70	0.80	3.47	7.57	12.6	18.5	25.3	32.2	37.4	39.4	37.5	32.5	25.9	19.2	13.3	9.11	5.45	2.52	0.59	324	322	
60	0.87	3.95	8.87	15.2	23.5	33.5	43.4	50.9	54.2	51.9	44.9	35.4	25.8	17.2	10.9	6.38	2.86	0.64	431	430	
50	0.92	4.36	9.97	17.6	28.2	41.0	53.9	63.9	68.3	65.5	56.5	44.5	32.0	21.0	12.6	7.16	3.15	0.68	532	531	
40	0.97	4.67	10.8	19.7	32.3	47.4	63.0	75.1	80.4	77.3	66.9	52.4	37.3	24.1	14.2	7.78	3.37	0.71	619	618	
30	1.00	4.88	11.4	21.2	35.2	52.2	69.6	82.9	88.8	85.6	74.2	57.8	40.9	26.4	15.3	8.19	3.52	0.73	681	680	
20	1.01	4.98	11.7	22.0	36.6	54.5	72.7	86.6	92.6	89.4	77.7	60.6	42.8	27.5	15.9	8.39	3.59	0.74	710	710	
10	1.01	4.97	11.6	21.9	36.4	54.2	72.1	85.8	91.8	88.6	77.1	60.1	42.5	27.4	15.9	8.37	3.59	0.74	705	704	
0	1.00	4.85	11.3	20.9	34.7	51.3	67.9	80.7	86.3	83.2	72.3	56.5	40.2	26.1	15.2	8.13	3.50	0.73	665	665	
-10	0.96	4.63	10.6	19.3	31.6	46.2	60.5	71.8	76.7	73.8	64.0	50.2	36.1	23.7	14.0	7.69	3.34	0.71	596	596	
-20	0.92	4.30	9.78	17.1	27.4	39.3	50.9	60.1	64.0	61.4	53.7	42.6	30.8	20.5	12.4	7.05	3.12	0.67	506	506	
-30	0.86	3.90	8.65	14.7	22.5	31.7	40.5	47.2	49.9	47.9	41.8	33.5	24.7	16.7	10.6	6.26	2.83	0.63	405	404	
-40	0.79	3.42	7.35	12.1	17.5	23.8	29.7	33.9	35.5	33.9	29.8	24.3	18.3	12.8	8.83	5.34	2.49	0.58	301	299	
-50	0.72	2.89	5.94	9.47	12.9	16.3	19.5	21.5	22.0	20.8	18.5	15.4	12.1	9.47	6.90	4.33	2.11	0.53	202	198	
-60	0.64	2.32	4.45	6.70	8.67	10.0	10.5	10.7	10.1	9.38	8.66	7.86	7.33	6.37	4.91	3.27	1.71	0.47	114	75.9	
-70	0.55	1.74	2.93	3.93	4.54	4.63	4.11	3.03	1.93	1.65	2.27	3.09	3.47	3.39	2.92	2.18	1.29	0.41	48.1	0.00	
-80																					
-90																					
	Φ t	14.9	66.4	147	256	399	566	729	853	903	866	754	600	438	297	186	106	48.2	10.9	7239	
	Φ a	9.03	59.9	140	248	390	556	718	842	893	856	743	586	424	284	173	94.1	36.1	1.55		7053

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

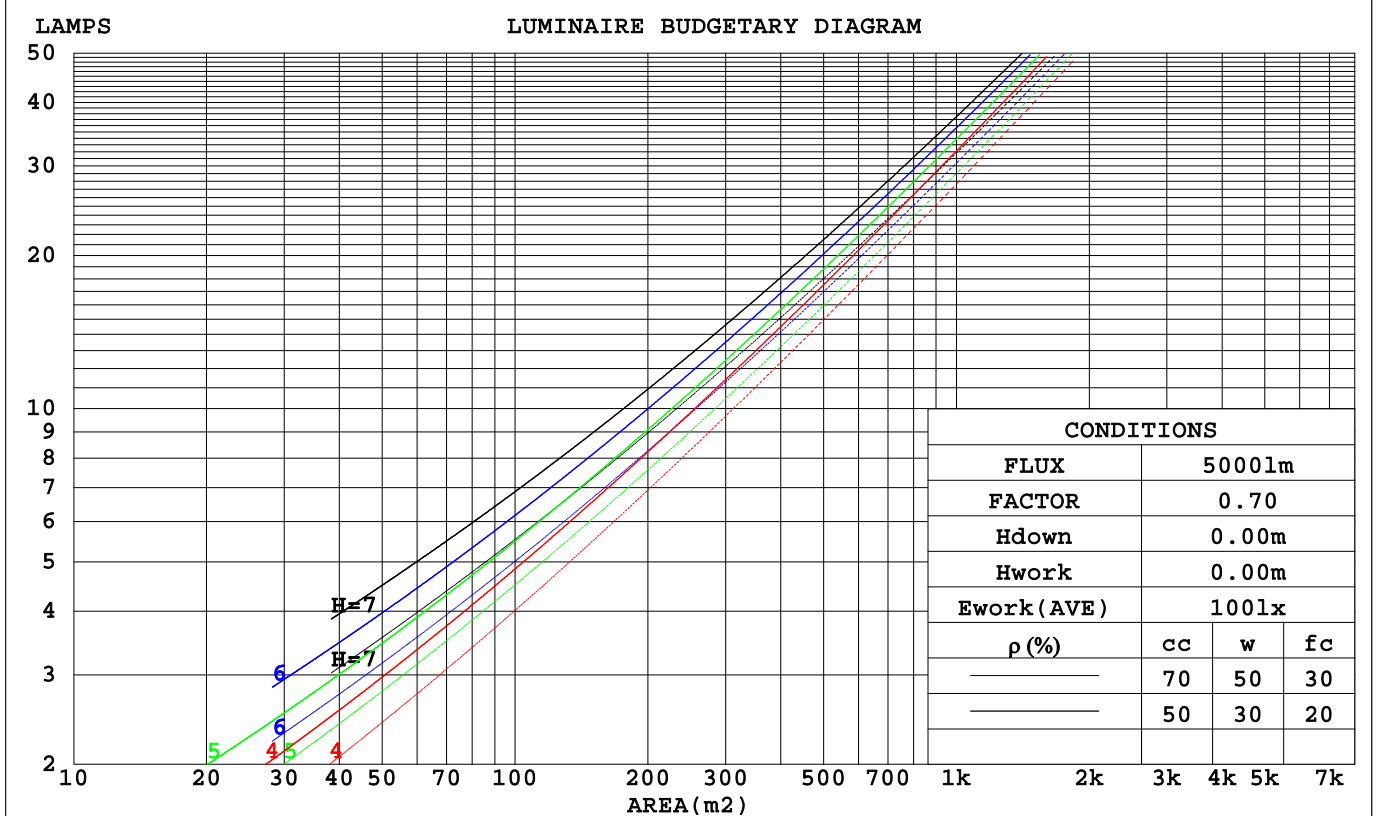
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:			
NAME: GL1500CBA 60W NARROW LENS				TYPE:		WEIGHT:	
SPECIFICATION:				DIMENSION: 1500mm		SERIAL No.:20170407001	

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	1.00
1.0	1.04	.90	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.55	.63	.58	.54	.52
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45
6.0	.58	.49	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.36
8.0	.49	.40	.35	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

WEC AND CCEC

Report number:

MANUFACTURER:			Address:					
NAME: GL1500CBA 60W NARROW LENS			TYPE:			WEIGHT:		
SPECIFICATION:			DIMENSION: 1500mm			SERIAL No.:20170407001		

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	.311	.177	.056	.304	.173	.055	.290	.167	.053	.278	.160	.051	.267	.155	.050	
2.0	.287	.157	.048	.280	.154	.048	.269	.149	.046	.258	.145	.045	.248	.140	.044	
3.0	.263	.140	.042	.258	.138	.042	.248	.134	.041	.238	.131	.040	.229	.127	.039	
4.0	.243	.126	.037	.238	.124	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.224	.114	.033	.220	.113	.033	.212	.110	.032	.204	.108	.032	.197	.105	.032	
6.0	.208	.104	.030	.204	.103	.030	.197	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.090	.026	
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.023	.153	.078	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.149	.074	.021	.144	.073	.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	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.046	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.052	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.121	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.115	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

Uncorrected UGR Table

Report number:

MANUFACTURER:					Address:					
NAME: GL1500CBA 60W NARROW LENS					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION: 1500mm			SERIAL No.:20170407001		

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	13.7	15.2	14.0	15.4	15.6	14.7	16.1	14.9	16.3	16.5
3H	15.4	16.8	15.7	17.0	17.2	15.8	17.2	16.1	17.4	17.7
4H	16.3	17.6	16.6	17.8	18.1	16.2	17.5	16.5	17.8	18.0
6H	17.2	18.4	17.5	18.7	18.9	16.4	17.7	16.8	17.9	18.2
8H	17.6	18.8	17.9	19.1	19.4	16.5	17.6	16.8	17.9	18.2
12H	18.1	19.2	18.4	19.5	19.8	16.4	17.6	16.8	17.9	18.2
4H 2H	14.3	15.6	14.6	15.9	16.1	15.0	16.3	15.4	16.6	16.9
3H	16.2	17.3	16.6	17.6	17.9	16.4	17.6	16.8	17.9	18.2
4H	17.3	18.3	17.6	18.6	18.9	16.9	18.0	17.3	18.3	18.6
6H	18.3	19.3	18.7	19.6	20.0	17.3	18.2	17.7	18.5	18.9
8H	18.9	19.7	19.3	20.1	20.5	17.3	18.2	17.7	18.6	18.9
12H	19.4	20.2	19.9	20.6	21.0	17.3	18.1	17.7	18.5	18.9
8H 4H	17.6	18.4	18.0	18.8	19.2	17.3	18.1	17.7	18.5	18.9
6H	18.9	19.6	19.3	20.0	20.4	17.8	18.5	18.2	18.9	19.3
8H	19.6	20.2	20.0	20.6	21.1	17.9	18.6	18.4	19.0	19.5
12H	20.3	20.9	20.8	21.4	21.8	18.0	18.6	18.5	19.0	19.5
12H 4H	17.6	18.4	18.0	18.8	19.2	17.3	18.1	17.8	18.5	18.9
6H	19.0	19.6	19.4	20.0	20.5	17.9	18.6	18.4	19.0	19.5
8H	19.7	20.3	20.2	20.8	21.2	18.2	18.7	18.7	19.2	19.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.1 / - 0.2					+ 0.4 / - 0.5				

CIE Pub.117 Corrected 7239 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.9)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001	

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	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	58	51	67	57	51	44
1.00	78	67	60	77	67	60	74	68	59	52
1.25	85	74	68	83	74	67	81	72	66	59
1.50	89	80	73	88	79	73	85	77	71	64
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	90	85	94	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

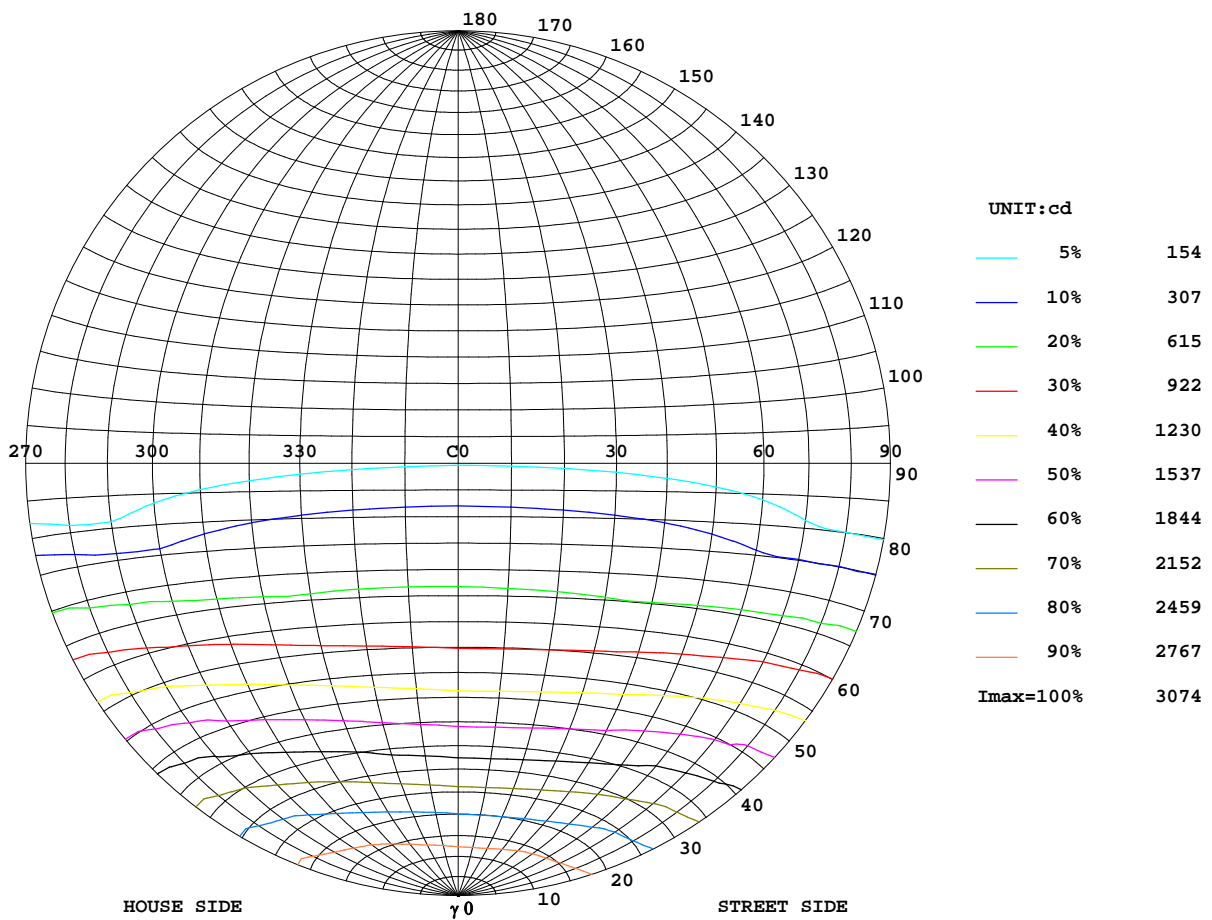
Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

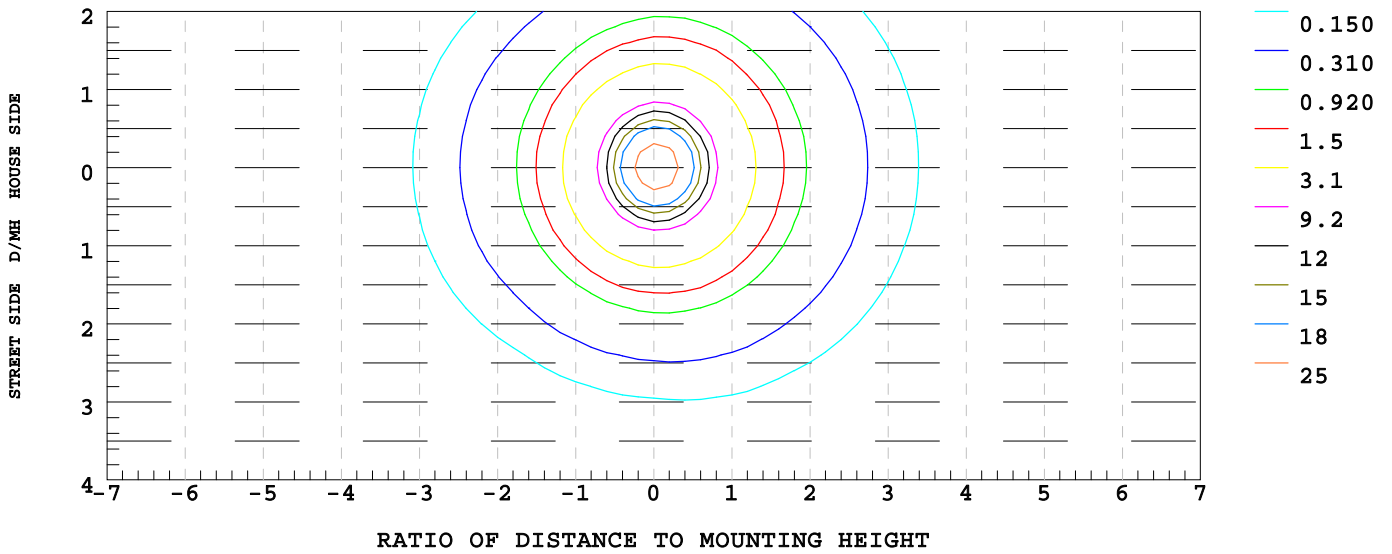
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

ILLUMINANCE AT MH=10 m, Enadir = 30.72 lx



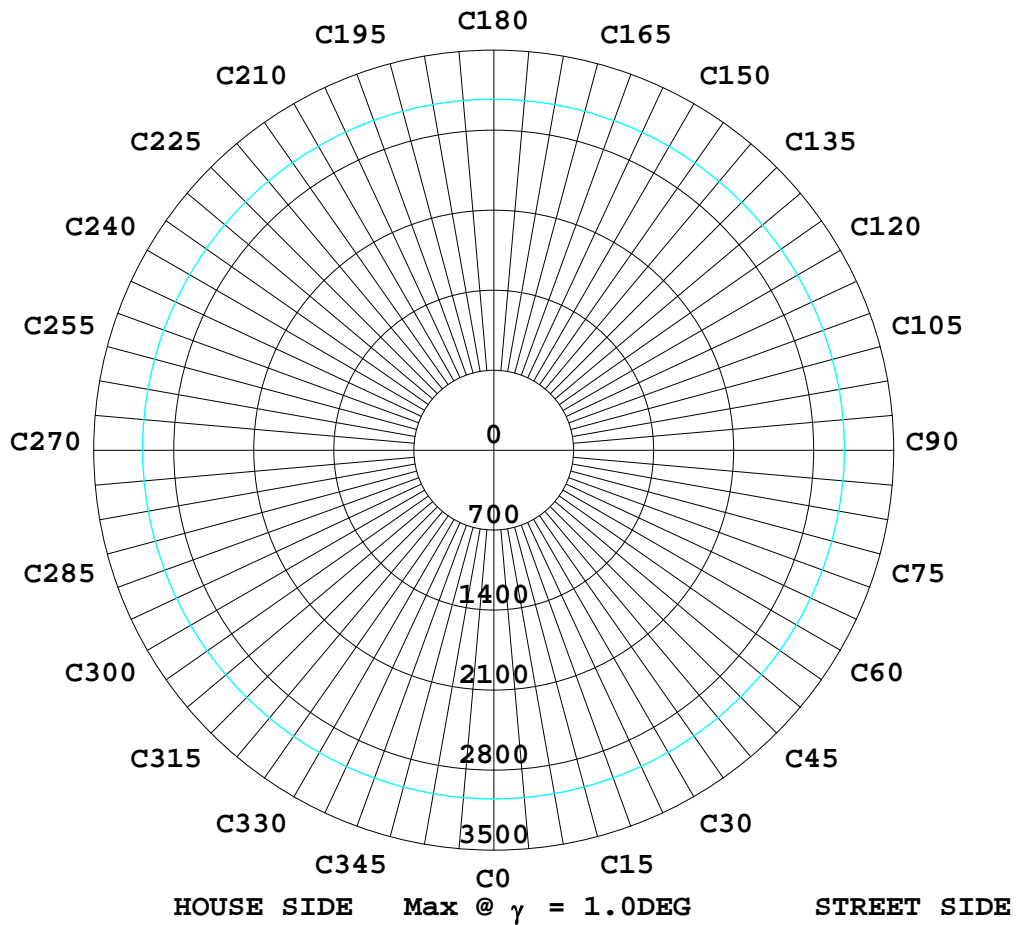
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

UNIT: cd

γ (DEG)	C (DEG)															
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	
0.0	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	
5.0	2964	2963	2963	2963	2964	2965	2967	2969	2972	2976	2980	2985	2991	2997	3003	
10.0	2857	2855	2854	2853	2852	2853	2854	2857	2859	2863	2868	2875	2883	2893	2904	
15.0	2658	2656	2656	2658	2662	2670	2678	2690	2704	2721	2738	2742	2750	2760	2773	
20.0	2459	2456	2455	2456	2459	2465	2473	2485	2498	2516	2536	2560	2590	2602	2614	
25.0	2208	2206	2207	2212	2221	2232	2248	2268	2287	2301	2321	2344	2373	2406	2433	
30.0	1957	1955	1957	1963	1971	1985	2001	2020	2042	2069	2098	2120	2146	2178	2216	
35.0	1723	1721	1723	1728	1736	1747	1761	1778	1800	1826	1854	1888	1924	1958	1985	
40.0	1489	1488	1491	1497	1507	1520	1535	1552	1572	1612	1636	1667	1698	1731	1748	
45.0	1283	1282	1284	1289	1297	1306	1318	1333	1359	1384	1410	1438	1464	1493	1521	
50.0	1077	1077	1081	1087	1097	1108	1121	1135	1151	1165	1191	1216	1242	1264	1289	
55.0	913	913	914	916	921	927	935	945	961	975	989	1006	1027	1050	1067	
60.0	750	749	750	753	757	763	770	777	786	795	806	817	826	841	862	
65.0	649	647	644	641	637	631	625	617	620	627	633	640	646	650	658	
70.0	548	546	544	540	535	529	522	512	501	488	472	471	475	477	474	
75.0	448	446	443	439	434	428	420	410	398	383	366	346	324	312	312	
80.0	347	345	343	339	334	327	319	309	297	283	266	247	226	201	175	
85.0	246	245	243	239	234	227	219	210	199	186	171	156	138	118	97.2	
90.0	146	145	142	139	134	128	121	112	102	91.3	79.8	68.2	56.5	45.0	34.2	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072
5.0	3011	3019	3027	3036	3037	3037	3038	3040	3041	3043	3046	3048	3051	3053	3056
10.0	2916	2931	2947	2965	2965	2967	2970	2975	2981	2988	2995	3003	3011	3020	3029
15.0	2788	2807	2828	2853	2855	2860	2867	2877	2889	2903	2919	2937	2938	2937	2938
20.0	2630	2650	2675	2706	2709	2718	2731	2749	2771	2789	2784	2785	2787	2791	2798
25.0	2447	2467	2495	2531	2536	2549	2569	2595	2604	2602	2604	2612	2622	2636	2636
30.0	2241	2261	2289	2328	2335	2352	2378	2395	2394	2398	2410	2422	2418	2415	2416
35.0	2021	2037	2062	2101	2111	2135	2167	2163	2171	2187	2187	2184	2187	2191	2197
40.0	1781	1810	1852	1915	1902	1910	1926	1945	1944	1943	1944	1952	1956	1954	1953
45.0	1535	1592	1609	1643	1636	1666	1680	1708	1717	1714	1712	1711	1714	1715	1715
50.0	1313	1347	1366	1392	1412	1439	1447	1463	1472	1485	1482	1477	1481	1481	1479
55.0	1087	1111	1134	1155	1177	1194	1210	1224	1241	1244	1249	1252	1255	1255	1252
60.0	871	887	912	925	951	961	980	1005	1009	1020	1031	1038	1043	1045	1047
65.0	672	679	699	704	734	746	769	782	798	816	830	836	843	846	851
70.0	478	483	493	500	523	542	562	582	608	622	633	647	669	688	704
75.0	305	309	304	311	329	359	376	404	419	444	473	500	524	545	562
80.0	160	154	149	147	159	194	216	239	276	307	336	362	385	405	422
85.0	73.8	48.8	40.0	31.5	50.2	67.5	101	130	158	184	208	230	250	268	284
90.0	24.4	15.4	6.76	8.37	9.94	16.4	26.7	39.3	53.8	69.7	86.1	103	119	134	148

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

UNIT: cd

C(DEG)\ γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072
5.0	3059	3061	3063	3065	3067	3069	3071	3072	3073	3073	3073	3073	3073	3072	3072
10.0	3036	3044	3051	3057	3062	3066	3070	3071	3072	3071	3070	3067	3064	3060	3055
15.0	2939	2942	2944	2948	2951	2955	2959	2962	2966	2969	2972	2975	2979	2984	2989
20.0	2805	2813	2821	2829	2836	2843	2848	2852	2855	2857	2858	2858	2858	2858	2859
25.0	2633	2632	2633	2636	2638	2643	2648	2653	2660	2667	2675	2684	2695	2707	2717
30.0	2418	2422	2425	2431	2437	2442	2448	2453	2457	2463	2469	2476	2482	2491	2502
35.0	2196	2194	2189	2187	2189	2191	2197	2203	2210	2220	2232	2244	2257	2272	2276
40.0	1953	1954	1952	1936	1937	1940	1945	1951	1959	1969	1980	1991	2004	2017	2031
45.0	1715	1713	1713	1699	1699	1703	1707	1713	1719	1728	1736	1746	1756	1768	1781
50.0	1477	1474	1471	1466	1465	1467	1470	1474	1481	1489	1499	1510	1520	1530	1548
55.0	1252	1251	1251	1252	1253	1255	1258	1262	1267	1273	1280	1287	1292	1300	1314
60.0	1046	1046	1045	1043	1043	1044	1046	1050	1056	1063	1070	1078	1085	1091	1095
65.0	863	873	882	890	896	901	904	907	908	907	905	903	898	891	893
70.0	719	730	740	748	754	759	762	764	764	762	760	755	748	739	728
75.0	577	588	598	607	613	617	620	621	621	618	615	609	601	589	576
80.0	437	448	458	466	471	476	478	479	478	474	471	463	454	442	427
85.0	298	308	317	325	330	334	336	336	334	331	326	318	308	296	281
90.0	161	169	178	185	189	193	194	194	191	187	183	174	164	151	137

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

UNIT: cd

γ (DEG)	C (DEG)														
	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072
5.0	3071	3070	3069	3068	3068	3067	3066	3066	3066	3066	3057	3048	3039	3031	3023
10.0	3050	3046	3041	3036	3032	3028	3026	3024	3023	3023	3005	2987	2971	2956	2942
15.0	2995	2998	2986	2974	2964	2955	2947	2942	2939	2939	2912	2887	2866	2847	2830
20.0	2861	2863	2870	2878	2865	2847	2833	2824	2818	2816	2782	2753	2727	2706	2690
25.0	2712	2708	2706	2707	2714	2709	2685	2671	2662	2661	2619	2584	2556	2537	2506
30.0	2516	2533	2527	2520	2518	2522	2511	2487	2473	2470	2424	2388	2364	2329	2285
35.0	2283	2294	2308	2317	2305	2301	2306	2279	2260	2254	2207	2172	2144	2095	2055
40.0	2048	2055	2061	2078	2084	2066	2062	2048	2028	2023	1981	1942	1898	1855	1823
45.0	1803	1814	1842	1834	1834	1831	1837	1835	1792	1773	1736	1720	1673	1635	1581
50.0	1568	1578	1583	1592	1587	1577	1587	1574	1553	1542	1498	1465	1429	1394	1353
55.0	1326	1335	1345	1344	1346	1341	1346	1319	1302	1295	1250	1218	1197	1155	1122
60.0	1097	1103	1108	1113	1108	1100	1094	1082	1060	1050	1011	989	960	929	909
65.0	894	893	888	886	885	875	861	853	829	818	784	768	739	723	707
70.0	715	698	689	677	665	659	644	627	606	600	566	550	536	525	509
75.0	560	541	520	496	474	453	439	420	410	392	373	351	345	338	340
80.0	411	391	368	343	314	283	254	242	226	208	189	182	179	195	220
85.0	264	246	225	203	178	152	124	94.8	75.5	68.5	52.7	59.8	84.8	106	127
90.0	121	105	87.9	70.6	54.3	39.0	25.3	14.5	6.51	7.64	5.73	12.5	21.1	31.6	43.0

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: GL1500CBA 60W NARROW LENS	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500mm	SERIAL No.:20170407001

UNIT: cd

C(DEG)\ γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072	3072
5.0	3015	3008	3002	2996	2990	2985	2981	2977	2973	2970	2968	2966
10.0	2930	2919	2909	2900	2892	2886	2880	2875	2870	2866	2863	2859
15.0	2815	2804	2794	2774	2751	2731	2714	2699	2688	2677	2668	2662
20.0	2672	2637	2606	2581	2556	2536	2519	2504	2490	2480	2471	2464
25.0	2465	2432	2402	2376	2354	2325	2298	2274	2253	2236	2223	2214
30.0	2248	2215	2187	2150	2118	2087	2049	2023	2002	1985	1972	1963
35.0	2023	1984	1945	1910	1879	1852	1821	1784	1765	1749	1737	1728
40.0	1782	1743	1708	1674	1642	1613	1586	1556	1534	1517	1504	1495
45.0	1543	1510	1475	1442	1412	1380	1356	1336	1320	1306	1295	1287
50.0	1314	1281	1252	1220	1196	1172	1151	1132	1114	1100	1089	1081
55.0	1094	1069	1041	1018	994	971	955	945	936	927	921	916
60.0	887	864	842	823	812	801	791	780	772	764	757	752
65.0	687	671	664	655	646	640	644	648	649	651	651	650
70.0	504	501	500	513	523	531	538	543	546	548	549	549
75.0	351	371	388	403	415	425	433	438	443	446	448	448
80.0	244	264	281	296	309	319	328	335	340	344	346	347
85.0	146	163	179	192	205	215	224	232	238	242	245	246
90.0	54.6	67.0	79.2	90.8	102	112	121	129	135	140	143	145

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年04月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: CRI:Ra80 Color Temp:4000K