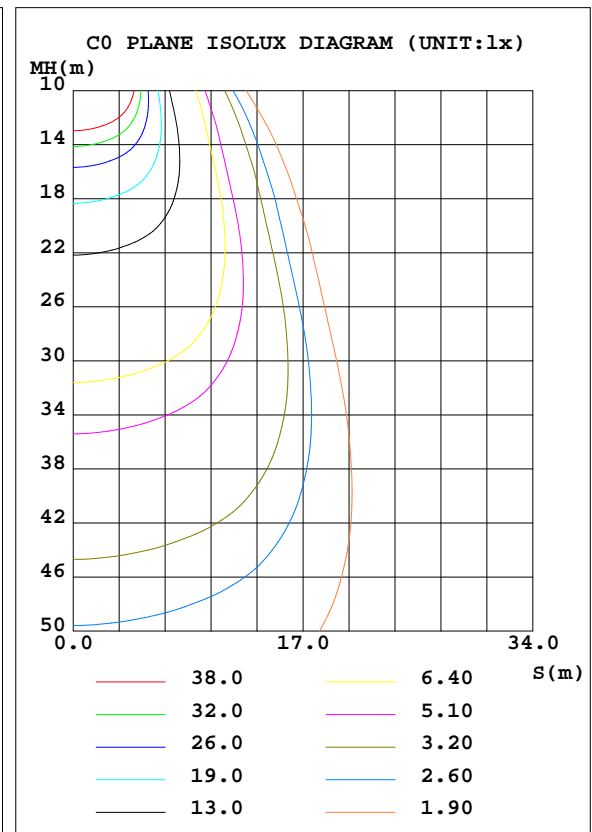
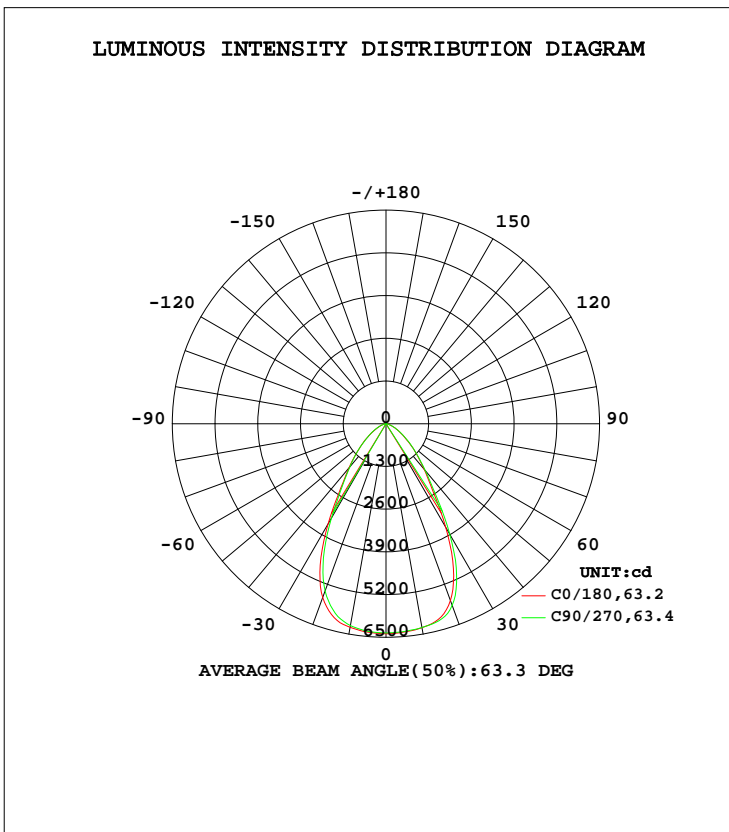


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.32 lm/W			
MODEL	3030	I _{max} (cd)	6392	S/MH(C0/180)	0.93
NOMINAL POWER(W)	60	LOR(%)	100.0	S/MH(C90/270)	0.91
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	8618.2	η UP, DN(C0-180)	0.7,50.1
NOMINAL FLUX(lm)	8618.24	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4,48.8
LAMPS INSIDE	1	η up(%)	1.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	98.9	CIBSE SHR MAX	0.95



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6300	6313	6296	6258	6290	6251	6236	6284	0- 10	603.8	603.8	7.41,7.41
20	5729	5866	5884	5579	5630	5453	5419	5694	10- 20	1708	2312	28.4,28.4
30	3641	3869	3879	3356	3542	3305	3334	3785	20- 30	2159	4471	54.9,54.9
40	1809	1869	1863	1639	1755	1672	1709	1883	30- 40	1573	6043	74.2,74.2
50	947.9	957.1	974.3	862.0	927.1	888.8	913.5	1041	40- 50	1013	7056	86.6,86.6
60	450.0	465.8	458.7	398.5	428.6	412.7	443.3	506.1	50- 60	594.1	7650	93.9,93.9
70	172.6	177.6	179.0	150.2	169.6	159.2	166.9	202.0	60- 70	291.4	7942	97.5,97.5
80	39.97	41.60	41.74	32.21	41.44	34.79	36.84	51.82	70- 80	100.8	8043	98.7,98.7
90	1.607	1.526	1.546	1.734	0.7484	0.7768	0.7799	0.7226	80- 90	15.06	8058	98.9,98.9
100	3.419	3.276	3.299	3.663	1.692	1.761	1.759	1.541	90-100	1.949	8060	98.9,98.9
110	6.808	6.539	6.571	7.348	3.504	3.652	3.663	3.211	100-110	3.925	8064	99,99
120	12.82	12.33	12.37	13.70	6.959	7.271	7.341	6.385	110-120	7.239	8071	99.1,99.1
130	21.04	20.45	20.41	22.08	12.62	13.05	13.21	11.72	120-130	11.80	8083	99.2,99.2
140	29.73	29.12	28.97	30.74	19.69	20.04	20.25	18.50	130-140	15.96	8099	99.4,99.4
150	36.84	36.63	36.13	37.63	26.28	26.79	27.19	25.36	140-150	17.64	8116	99.6,99.6
160	41.94	41.93	41.67	42.21	31.68	31.75	32.19	31.00	150-160	15.84	8132	99.8,99.8
170	44.89	44.86	44.58	44.43	39.25	38.91	39.37	38.19	160-170	11.03	8443	99.9,99.9
180	46.47	46.25	45.99	45.36	46.63	46.24	46.18	45.39	170-180	4.146	8618	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 6989.2 lm

%lum = 81.1%
%lamp = 81.1%

Conical surface Flux(120deg): 8092.3 lm

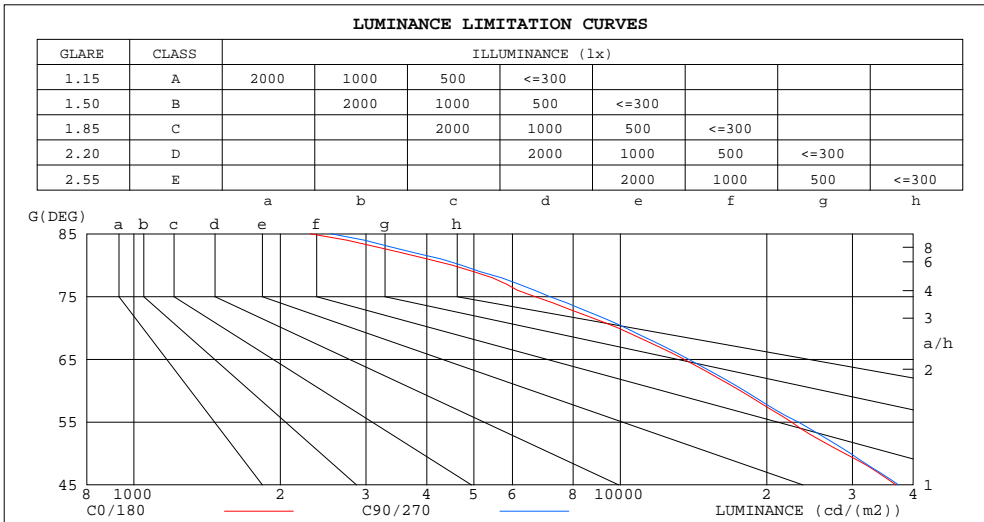
%lum = 93.9%
%lamp = 93.9%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:张华伟
Test Date:2016-08-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:5.560m [K=1.0000]
Remarks: 529-60W-220

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2307	2546
80	4513	4714
75	6672	7153
70	9894	10265
65	13531	13819
60	17646	17990
55	22474	23227
50	28914	29722
45	36876	37322

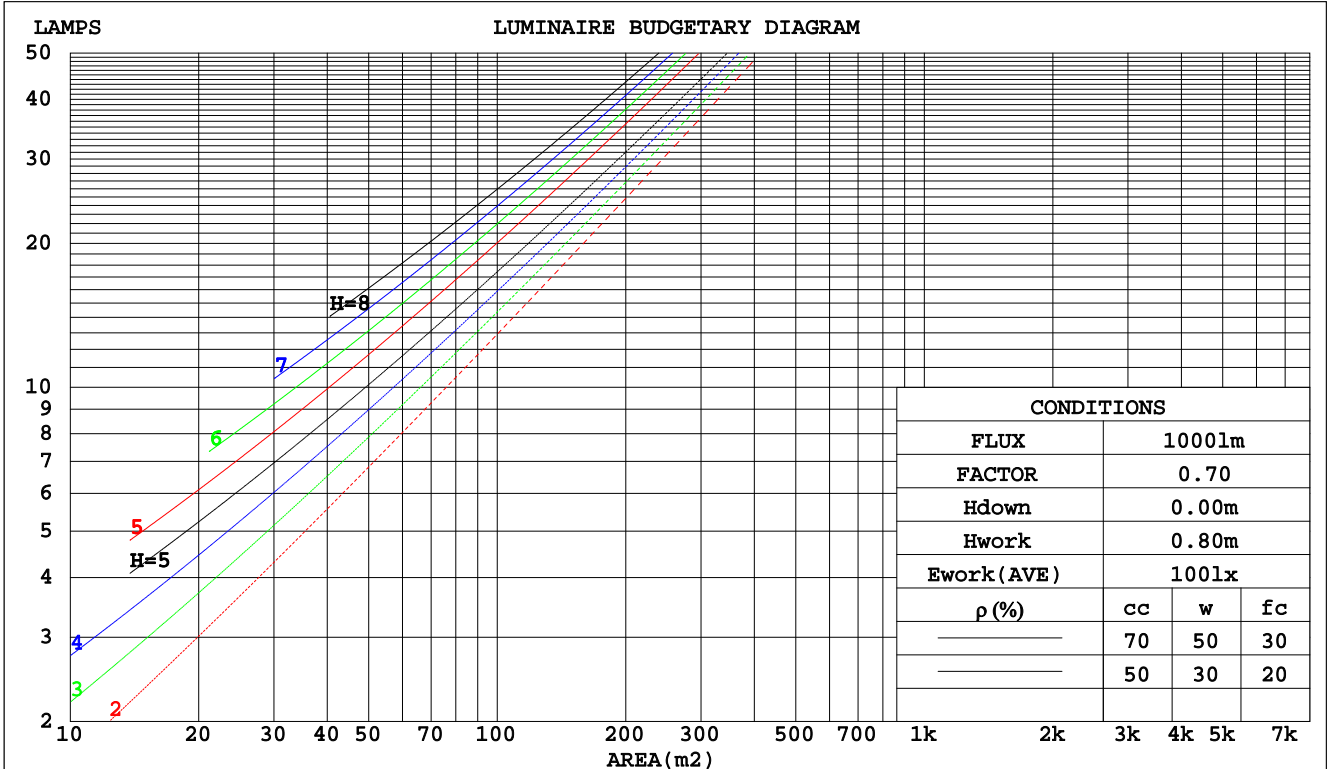
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 张华伟
 Test Date: 2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.560m [K=1.0000]
 Remarks: 529-60W-220

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw																0
pfc	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	1.01	1.01	1.01	.99
1.0	1.09	1.06	1.03	1.06	1.04	1.01	1.02	.99	.98	.98	.96	.95	.94	.93	.92	.90
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.90	.87	.85	.87	.85	.83	.81
3.0	.91	.85	.80	.89	.84	.79	.86	.82	.78	.84	.80	.76	.81	.78	.75	.73
4.0	.83	.77	.72	.82	.76	.71	.80	.74	.70	.77	.73	.69	.75	.71	.68	.66
5.0	.77	.70	.65	.76	.69	.64	.74	.68	.64	.72	.67	.63	.70	.66	.62	.61
6.0	.71	.64	.59	.70	.63	.59	.68	.63	.58	.67	.62	.58	.65	.61	.57	.55
7.0	.66	.59	.54	.65	.59	.54	.64	.58	.53	.62	.57	.53	.61	.56	.53	.51
8.0	.61	.55	.50	.61	.54	.50	.60	.54	.49	.58	.53	.49	.57	.52	.49	.47
9.0	.57	.51	.46	.57	.50	.46	.56	.50	.46	.55	.49	.46	.54	.49	.45	.44
10.0	.54	.47	.43	.53	.47	.43	.52	.47	.43	.52	.46	.42	.51	.46	.42	.41



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

WEC AND CCEC

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

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	.214	.121	.038	.206	.118	.037	.193	.111	.035	.181	.104	.033	.169	.098	.032	
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.178	.100	.031	.168	.095	.030	
3.0	.196	.104	.031	.191	.102	.031	.181	.098	.030	.172	.094	.029	.163	.090	.028	
4.0	.186	.096	.028	.181	.095	.028	.172	.091	.027	.164	.088	.027	.157	.085	.026	
5.0	.176	.089	.026	.171	.088	.026	.164	.085	.025	.157	.083	.025	.150	.080	.024	
6.0	.166	.083	.024	.162	.082	.024	.156	.080	.023	.149	.078	.023	.143	.075	.022	
7.0	.157	.078	.022	.154	.077	.022	.148	.075	.022	.142	.073	.021	.137	.071	.021	
8.0	.149	.073	.021	.146	.072	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020	
9.0	.142	.069	.019	.139	.068	.019	.134	.066	.019	.130	.065	.019	.125	.064	.018	
10.0	.135	.065	.018	.133	.064	.018	.128	.063	.018	.124	.062	.018	.120	.060	.017	

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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.182	.165	.150	.156	.142	.129	.107	.098	.090	.061	.057	.052	.020	.018	.017	
2.0	.169	.141	.117	.145	.121	.101	.099	.084	.070	.057	.049	.041	.018	.016	.013	
3.0	.159	.122	.093	.136	.106	.081	.093	.073	.057	.054	.043	.033	.017	.014	.011	
4.0	.150	.108	.076	.129	.093	.066	.088	.065	.047	.051	.038	.028	.016	.012	.009	
5.0	.142	.097	.064	.122	.084	.056	.084	.059	.039	.049	.034	.023	.016	.011	.008	
6.0	.135	.088	.055	.116	.076	.048	.080	.053	.034	.046	.031	.020	.015	.010	.007	
7.0	.128	.081	.048	.110	.070	.041	.076	.049	.029	.044	.029	.017	.014	.009	.006	
8.0	.123	.075	.042	.106	.065	.037	.073	.046	.026	.042	.027	.015	.014	.009	.005	
9.0	.117	.070	.038	.101	.061	.033	.070	.043	.023	.041	.025	.014	.013	.008	.005	
10.0	.112	.065	.034	.097	.057	.030	.067	.040	.021	.039	.024	.013	.013	.008	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

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	15.9	15.0	16.1	16.3	14.9	16.0	15.2	16.2	16.4
3H	15.1	16.1	15.3	16.3	16.6	15.2	16.2	15.5	16.5	16.7
4H	15.1	16.1	15.4	16.3	16.6	15.2	16.2	15.5	16.5	16.7
6H	15.0	16.0	15.4	16.2	16.5	15.2	16.1	15.5	16.4	16.7
8H	15.0	15.9	15.4	16.2	16.5	15.2	16.0	15.5	16.3	16.6
12H	15.0	15.8	15.3	16.1	16.4	15.1	16.0	15.5	16.3	16.6
4H 2H	14.9	15.9	15.2	16.1	16.4	15.0	16.0	15.3	16.2	16.5
3H	15.3	16.1	15.6	16.4	16.7	15.4	16.2	15.7	16.5	16.8
4H	15.3	16.1	15.7	16.4	16.8	15.5	16.2	15.8	16.6	16.9
6H	15.3	16.0	15.7	16.4	16.7	15.5	16.1	15.9	16.5	16.9
8H	15.3	15.9	15.7	16.3	16.7	15.4	16.1	15.9	16.4	16.8
12H	15.3	15.8	15.7	16.2	16.6	15.4	16.0	15.8	16.4	16.8
8H 4H	15.3	15.9	15.7	16.3	16.7	15.4	16.0	15.8	16.4	16.8
6H	15.3	15.8	15.8	16.2	16.7	15.4	16.0	15.9	16.4	16.8
8H	15.3	15.7	15.8	16.2	16.7	15.4	15.9	15.9	16.3	16.8
12H	15.3	15.6	15.8	16.1	16.6	15.4	15.8	15.9	16.2	16.7
12H 4H	15.2	15.8	15.7	16.2	16.6	15.4	15.9	15.8	16.3	16.7
6H	15.3	15.7	15.7	16.2	16.6	15.4	15.9	15.9	16.3	16.8
8H	15.3	15.6	15.8	16.1	16.6	15.4	15.8	15.9	16.2	16.7
Variations with the observer position at spacings:										
S = 1.0H	+ 1.0 / - 1.4					+ 1.0 / - 1.4				
1.5H	+ 1.0 / - 0.8					+ 1.0 / - 0.8				
2.0H	+ 2.0 / - 1.7					+ 1.9 / - 1.7				

CIE Pub.117, 8147 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 7.3)

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

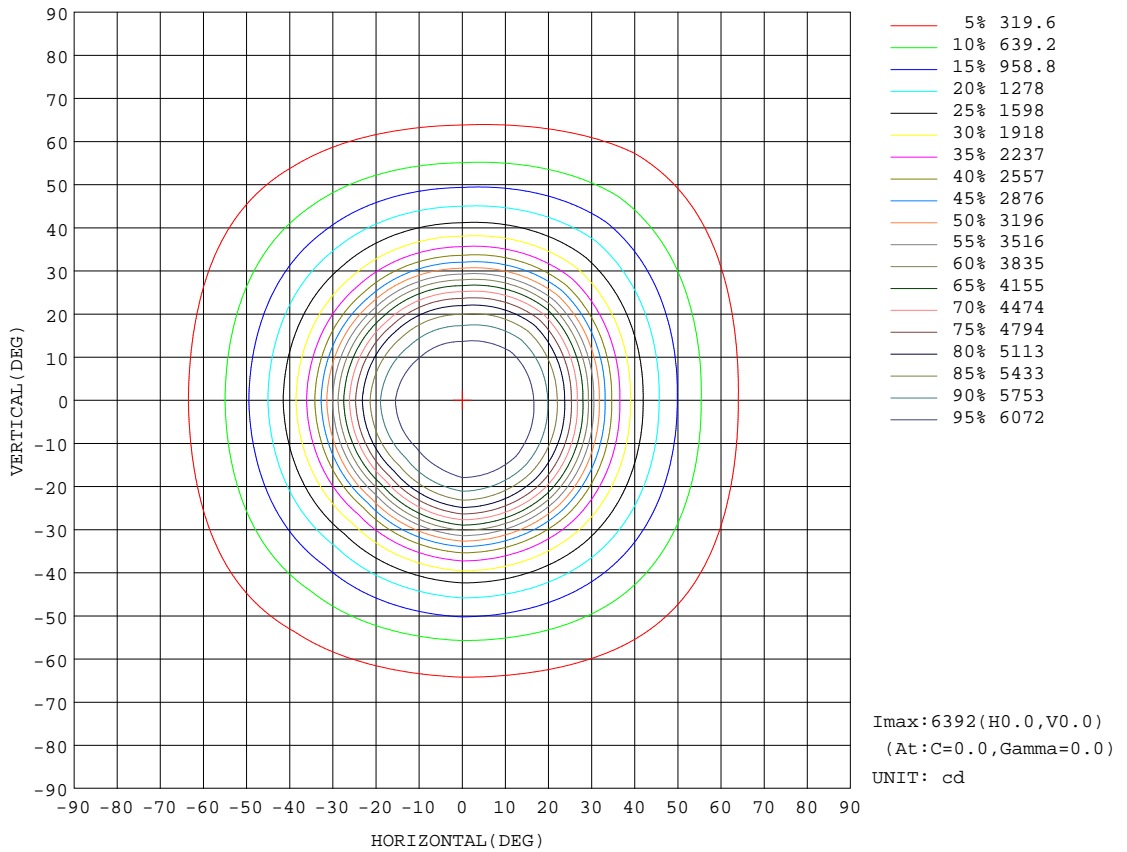
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	75	67	62	75	67	62	74	66	61	57
0.80	84	76	71	83	76	71	82	75	70	65
1.00	91	83	78	90	82	78	88	83	77	72
1.25	96	89	84	95	88	84	92	87	83	78
1.50	100	93	89	98	92	88	96	91	87	81
2.00	104	98	94	102	97	93	99	95	92	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	109	104	100	107	102	99	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	110	107	110	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

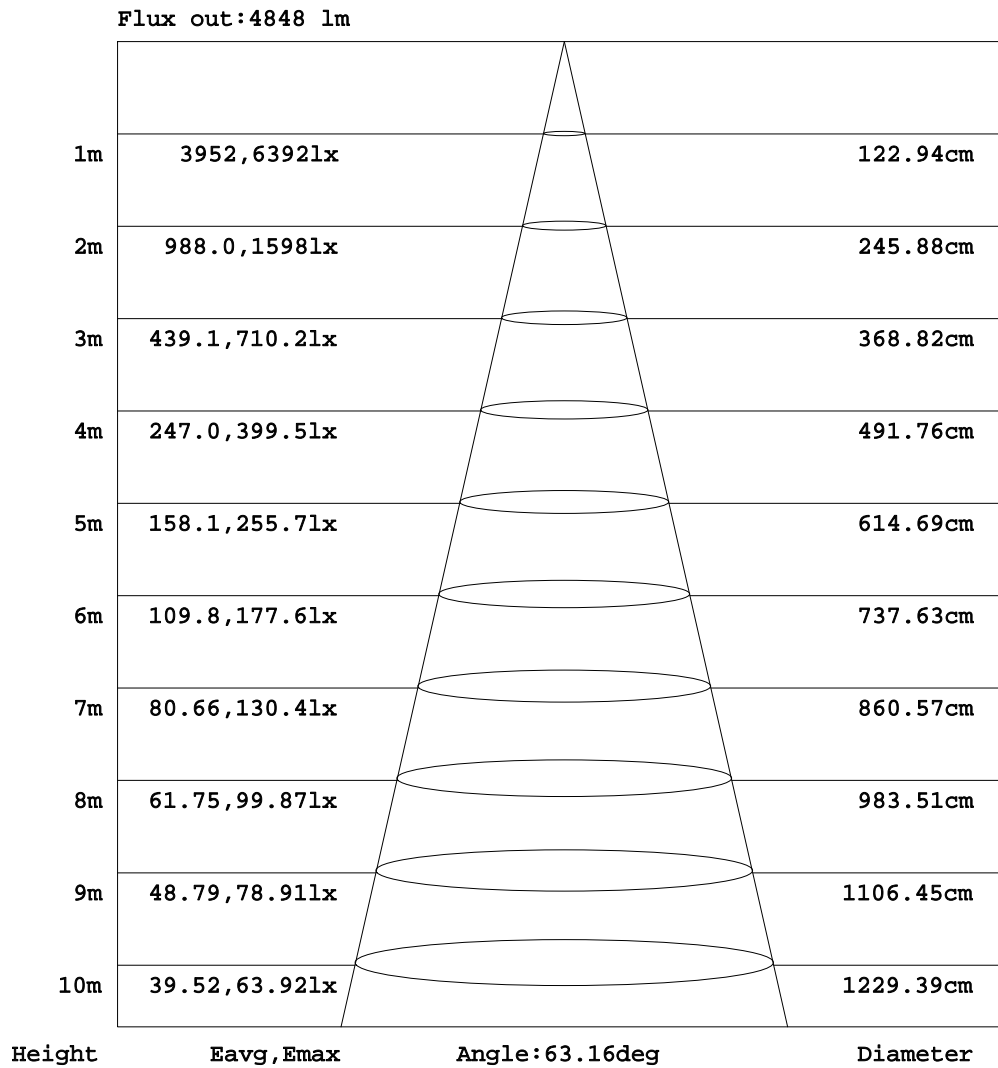


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

AAI Figure

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120



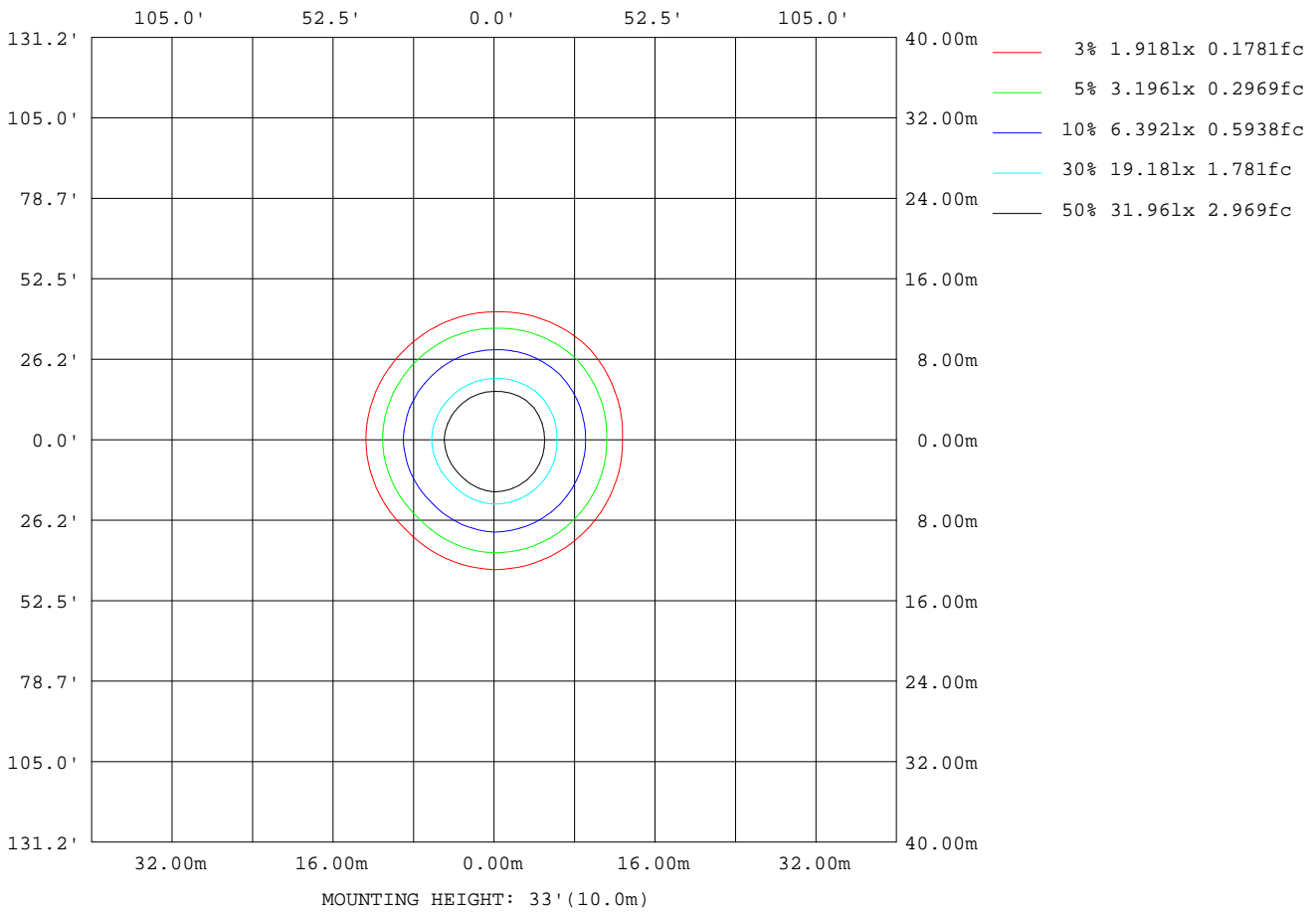
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

ISOLUX DIAGRAM

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

LED Avg.L Report

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

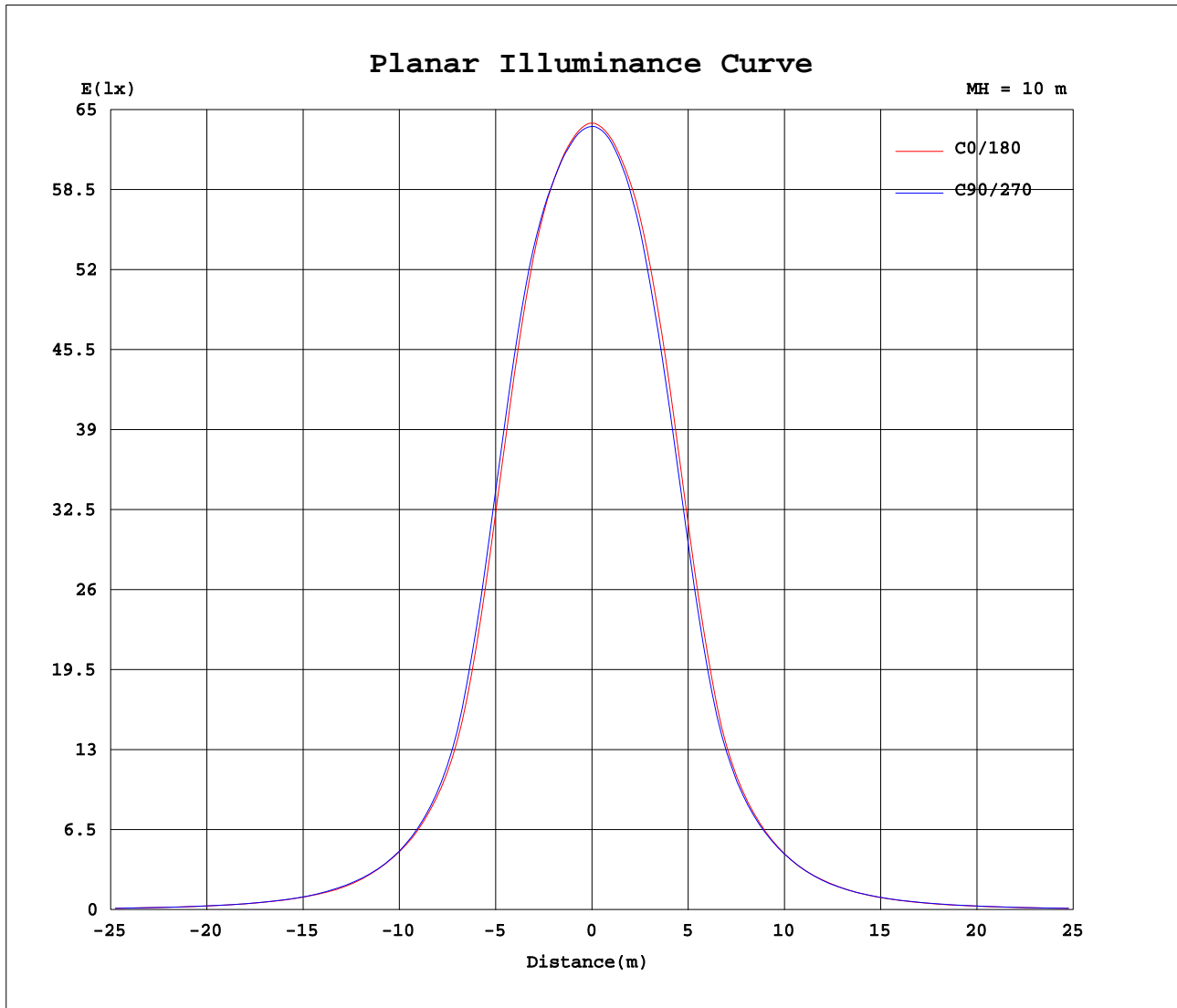
AvgL	cd/m2
L_0~180(65)av	13244
L_0~180(75)av	6793
L_0~180(85)av	2470
L_90~270(65)av	13536
L_90~270(75)av	6816
L_90~270(85)av	2205
L_45(65)av	13387
L_45(75)av	6836
L_45(85)av	2408

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:张华伟
 Test Date:2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:5.560m [K=1.0000]
 Remarks: 529-60W-220

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 张华伟
 Test Date: 2016-08-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 5.560m [K=1.0000]
 Remarks: 529-60W-220

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.2750A P:58.90W PF:0.9740 Freq:50.00Hz Lamp Flux:8618.24x1 lm		
NAME: HBL60	TYPE:LED	WEIGHT:2.8Kg
SPEC.:60	DIM.: 260*260*170	SERIAL No.:
MFR.:	SUR.:0.1275*0.1275*3.14	Shielding Angle:120

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	45	90	135	180	225	270	315											
0	6392	6379	6365	6359	6392	6379	6365	6359											
5	6363	6353	6345	6326	6365	6348	6341	6348											
10	6300	6313	6296	6258	6290	6251	6236	6284											
15	6163	6213	6209	6091	6107	5989	5972	6115											
20	5729	5866	5884	5579	5630	5453	5419	5694											
25	4858	5059	5090	4607	4740	4495	4508	4918											
30	3641	3869	3879	3356	3542	3305	3334	3785											
35	2487	2639	2632	2266	2412	2277	2323	2617											
40	1809	1869	1863	1639	1755	1672	1709	1883											
45	1330	1352	1346	1171	1283	1243	1277	1404											
50	948	957	974	862	927	889	914	1041											
55	657	674	679	596	639	621	642	725											
60	450	466	459	399	429	413	443	506											
65	292	298	298	255	279	267	286	334											
70	173	178	179	150	170	159	167	202											
75	88.1	92.5	94.4	76.5	91.3	83.8	85.5	108											
80	40.0	41.6	41.7	32.2	41.4	34.8	36.8	51.8											
85	10.3	10.9	11.3	7.59	11.7	8.36	8.29	16.0											
90	1.61	1.53	1.55	1.73	0.75	0.78	0.78	0.72											
95	2.37	2.26	2.28	2.55	1.14	1.19	1.18	1.03											
100	3.42	3.28	3.30	3.66	1.69	1.76	1.76	1.54											
105	4.85	4.64	4.68	5.20	2.45	2.55	2.56	2.24											
110	6.81	6.54	6.57	7.35	3.50	3.65	3.66	3.21											
115	9.48	9.08	9.13	10.2	4.95	5.19	5.21	4.54											
120	12.8	12.3	12.4	13.7	6.96	7.27	7.34	6.39											
125	16.8	16.2	16.2	17.7	9.54	9.92	10.0	8.80											
130	21.0	20.5	20.4	22.1	12.6	13.1	13.2	11.7											
135	25.4	24.9	24.7	26.5	16.1	16.5	16.7	15.0											
140	29.7	29.1	29.0	30.7	19.7	20.0	20.3	18.5											
145	33.6	33.1	32.8	34.5	23.1	23.4	23.7	22.0											
150	36.8	36.6	36.1	37.6	26.3	26.8	27.2	25.4											
155	39.4	39.5	39.0	40.2	29.2	29.7	30.1	28.4											
160	41.9	41.9	41.7	42.2	31.7	31.7	32.2	31.0											
165	43.5	43.4	43.2	43.2	35.1	34.9	35.5	34.1											
170	44.9	44.9	44.6	44.4	39.2	38.9	39.4	38.2											
175	46.1	46.0	45.4	45.1	42.9	42.7	42.8	41.9											
180	46.5	46.3	46.0	45.4	46.6	46.2	46.2	45.4											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
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 Operators:张华伟
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
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