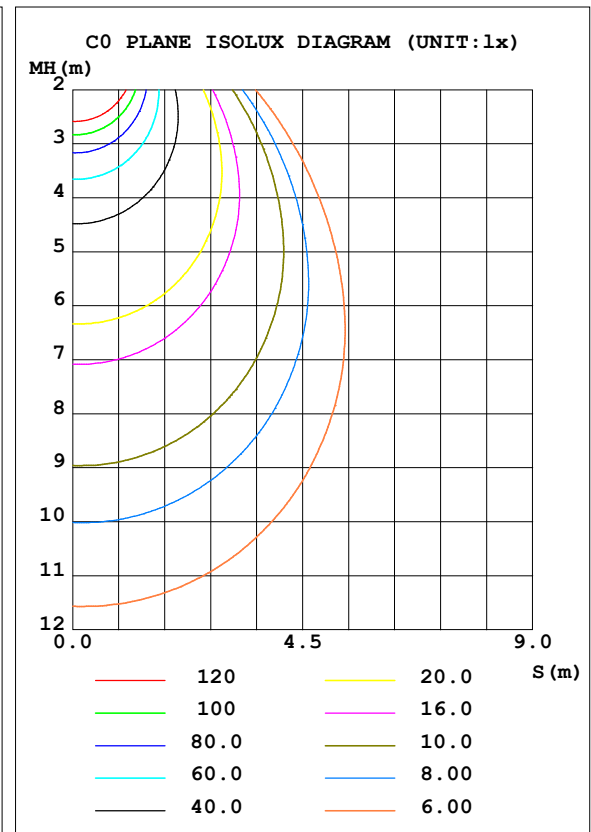
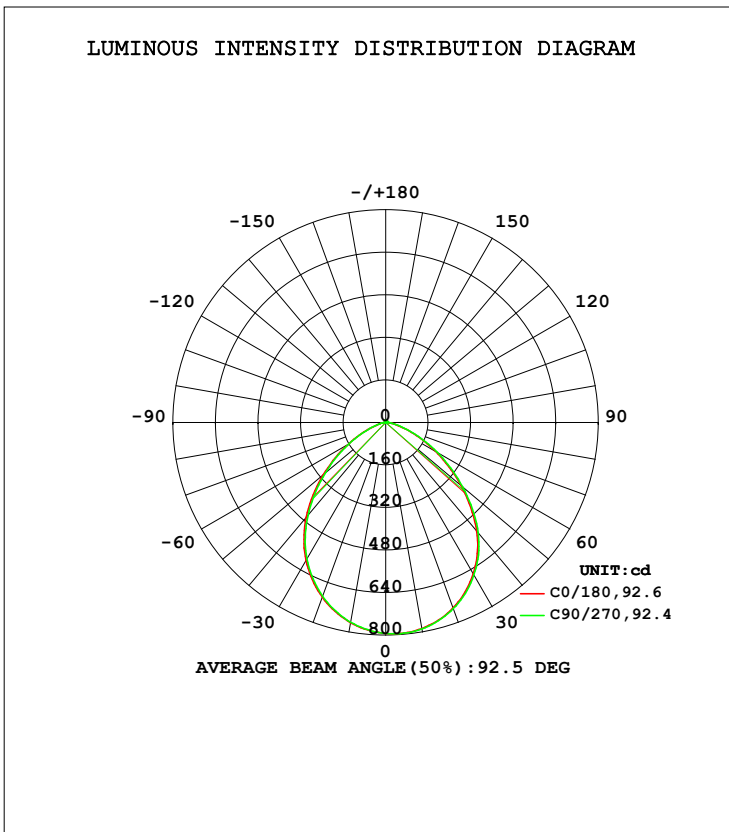


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.20 lm/W			
MODEL	ASD-CDL7-6DA22AC	I _{max} (cd)	798.4	S/MH (C0/180)	1.14
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	1.13
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1726.6	η UP, DN (C0-180)	0.9, 53.0
NOMINAL FLUX (lm)	1726.61	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.9, 45.2
LAMPS INSIDE	1	η up (%)	1.8	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	98.2	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	786.8	793.4	788.5	778.1	764.9	758.0	762.4	773.1	0- 10	74.90	74.90	4.34,4.34
20	741.9	755.0	744.8	725.4	698.7	687.3	695.7	715.4	10- 20	212.1	287.0	16.6,16.6
30	658.0	676.0	662.7	636.0	599.9	581.6	593.7	620.0	20- 30	312.2	599.2	34.7,34.7
40	532.8	557.7	541.9	506.8	464.7	444.9	453.9	484.2	30- 40	354.4	953.6	55.2,55.2
50	370.5	396.0	378.8	354.8	306.5	287.9	298.3	325.9	40- 50	323.4	1277	74,74
60	215.4	232.3	222.8	201.8	159.5	144.8	155.6	179.1	50- 60	234.2	1511	87.5,87.5
70	94.10	101.6	98.96	81.52	56.83	48.10	55.71	71.60	60- 70	126.4	1638	94.8,94.8
80	26.97	33.09	27.20	23.40	15.10	12.97	15.31	19.69	70- 80	46.30	1684	97.5,97.5
90	4.979	8.196	4.853	3.607	1.925	1.985	1.950	1.794	80- 90	11.78	1696	98.2,98.2
100	3.907	3.846	3.805	3.895	2.801	2.878	2.794	2.581	90-100	3.407	1699	98.4,98.4
110	4.370	4.313	4.260	4.363	3.786	3.848	3.755	3.537	100-110	3.874	1703	98.6,98.6
120	4.878	4.828	4.749	4.842	4.787	4.840	4.725	4.451	110-120	4.364	1707	98.9,98.9
130	5.377	5.361	5.242	5.314	5.695	5.735	5.602	5.325	120-130	4.591	1712	99.1,99.1
140	5.890	5.930	5.734	5.807	6.441	6.511	6.380	6.134	130-140	4.474	1716	99.4,99.4
150	6.425	6.520	6.291	6.376	7.174	7.346	7.096	6.893	140-150	4.030	1720	99.6,99.6
160	7.179	7.072	7.039	7.106	7.907	7.880	7.799	7.601	150-160	3.279	1724	99.8,99.8
170	7.986	7.859	7.837	7.874	8.486	8.284	8.335	8.149	160-170	2.196	1726	100,100
180	8.551	8.440	8.395	8.370	8.616	8.392	8.440	8.346	170-180	0.7879	1727	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

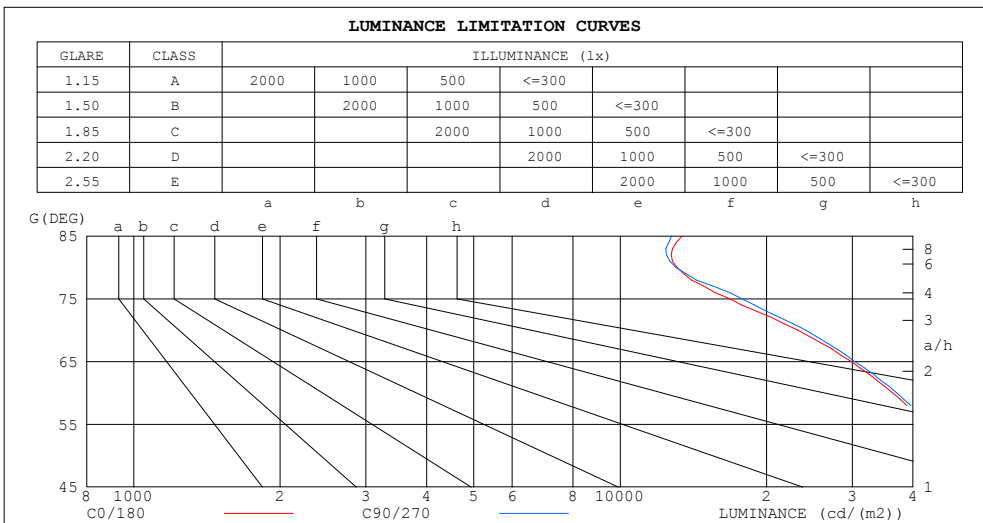
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	13434	12758
80	13079	12997
75	16765	17783
70	23171	24012
65	29843	30307
60	36278	36986
55	42509	43150
50	48548	48911
45	54015	54272

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

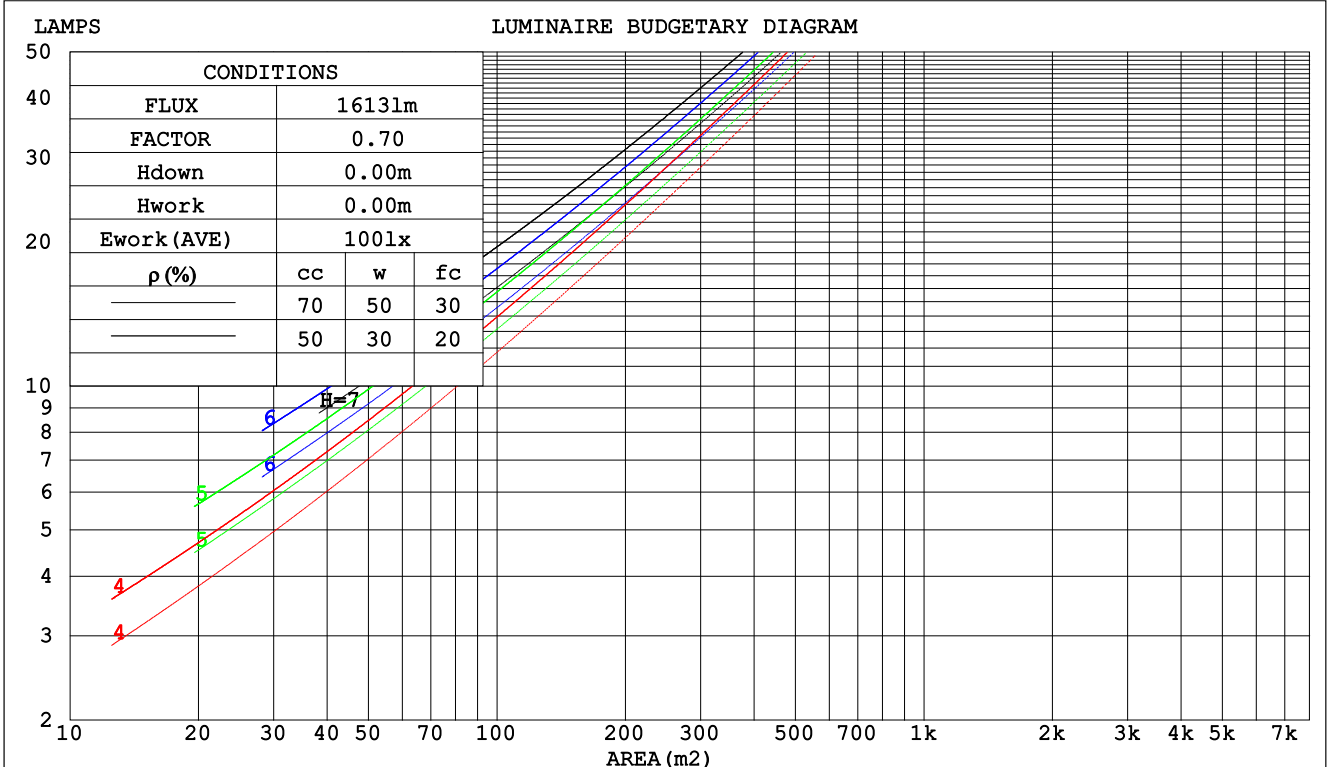
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.06	1.03	.99	1.04	1.01	.98	.99	.97	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.94	.89	.84	.93	.87	.83	.89	.84	.80	.85	.82	.78	.82	.79	.76	.74
3.0	.84	.77	.72	.83	.76	.71	.80	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.76	.68	.62	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.68	.60	.54	.67	.60	.54	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.56	.50	.46	.44
7.0	.57	.49	.43	.56	.48	.43	.54	.47	.42	.53	.46	.42	.51	.46	.41	.40
8.0	.52	.44	.39	.51	.44	.38	.50	.43	.38	.48	.42	.38	.47	.42	.37	.36
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm					
NAME: ASD-CDL7-6DA22AC			TYPE:		WEIGHT:
SPEC.:5000K			DIM.: 6		SERIAL No.:
MFR.: ASD Lighting Corp			SUR.:0.126		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.258	.146	.046	.250	.143	.045	.236	.135	.043	.223	.129	.041	.211	.122	.039	
2.0	.249	.136	.042	.242	.133	.041	.230	.128	.040	.219	.123	.038	.208	.118	.037	
3.0	.235	.125	.037	.229	.123	.037	.218	.118	.036	.208	.114	.035	.199	.110	.034	
4.0	.221	.115	.034	.216	.113	.033	.206	.109	.033	.197	.106	.032	.189	.103	.031	
5.0	.207	.106	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	.179	.095	.029	
6.0	.194	.097	.028	.190	.096	.028	.183	.094	.027	.175	.091	.027	.169	.089	.026	
7.0	.183	.090	.026	.179	.089	.025	.172	.087	.025	.166	.085	.025	.160	.083	.024	
8.0	.172	.084	.024	.169	.083	.023	.163	.081	.023	.157	.079	.023	.151	.078	.023	
9.0	.162	.079	.022	.159	.078	.022	.154	.076	.022	.149	.074	.021	.144	.073	.021	
10.0	.153	.074	.020	.151	.073	.020	.146	.071	.020	.141	.070	.020	.136	.069	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.190	.170	.152	.163	.146	.131	.111	.101	.091	.064	.058	.053	.021	.019	.017	
2.0	.180	.146	.117	.154	.126	.101	.106	.087	.071	.061	.051	.041	.020	.016	.013	
3.0	.172	.128	.093	.147	.110	.081	.101	.077	.057	.058	.045	.033	.019	.015	.011	
4.0	.164	.114	.077	.141	.099	.067	.097	.069	.047	.056	.040	.028	.018	.013	.009	
5.0	.157	.104	.065	.134	.090	.056	.093	.063	.040	.054	.037	.024	.017	.012	.008	
6.0	.150	.095	.056	.129	.082	.049	.089	.058	.035	.052	.034	.021	.017	.011	.007	
7.0	.143	.088	.050	.123	.076	.043	.085	.054	.031	.050	.032	.018	.016	.010	.006	
8.0	.137	.082	.045	.118	.071	.039	.082	.050	.028	.048	.030	.016	.015	.010	.005	
9.0	.132	.077	.041	.114	.067	.036	.079	.047	.025	.046	.028	.015	.015	.009	.005	
10.0	.127	.073	.038	.109	.064	.033	.076	.045	.023	.044	.026	.014	.014	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm										
NAME: ASD-CDL7-6DA22AC					TYPE:			WEIGHT:		
SPEC.:5000K					DIM.: 6			SERIAL No.:		
MFR.: ASD Lighting Corp					SUR.:0.126			Shielding Angle:		
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	24.0	25.3	24.3	25.5	25.8	24.0	25.4	24.3	25.6	25.8
3H	24.6	25.9	24.9	26.1	26.4	24.7	25.9	25.0	26.2	26.4
4H	24.8	25.9	25.1	26.2	26.5	24.8	26.0	25.2	26.3	26.6
6H	24.8	25.9	25.2	26.2	26.5	24.9	26.0	25.2	26.3	26.6
8H	24.8	25.9	25.2	26.2	26.5	24.9	25.9	25.3	26.3	26.6
12H	24.8	25.8	25.2	26.1	26.5	24.9	25.9	25.3	26.2	26.6
4H 2H	24.3	25.5	24.6	25.8	26.0	24.4	25.5	24.7	25.8	26.1
3H	25.1	26.1	25.5	26.4	26.8	25.2	26.2	25.5	26.5	26.8
4H	25.3	26.2	25.7	26.6	26.9	25.4	26.3	25.8	26.7	27.0
6H	25.4	26.2	25.8	26.6	27.0	25.5	26.3	25.9	26.7	27.1
8H	25.5	26.2	25.9	26.6	27.0	25.5	26.3	26.0	26.7	27.1
12H	25.5	26.2	25.9	26.6	27.0	25.6	26.2	26.0	26.7	27.1
8H 4H	25.4	26.1	25.8	26.5	26.9	25.4	26.2	25.9	26.6	27.0
6H	25.6	26.2	26.0	26.6	27.1	25.6	26.2	26.1	26.7	27.1
8H	25.6	26.2	26.1	26.6	27.1	25.7	26.3	26.2	26.7	27.2
12H	25.7	26.2	26.2	26.7	27.2	25.8	26.2	26.3	26.7	27.2
12H 4H	25.3	26.0	25.8	26.4	26.9	25.4	26.1	25.9	26.5	26.9
6H	25.6	26.1	26.0	26.6	27.0	25.6	26.2	26.1	26.6	27.1
8H	25.7	26.1	26.2	26.6	27.1	25.7	26.2	26.2	26.7	27.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.7 / - 0.8					+ 0.7 / - 0.8				

CIE Pub.117, 1727 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.9)
 Area: 0.012 m2

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

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	63	53	47	63	53	46	61	52	46	40
0.80	73	63	57	72	63	57	71	62	56	50
1.00	82	72	66	81	71	65	78	72	65	58
1.25	88	79	73	87	79	73	84	77	72	65
1.50	93	85	79	91	84	78	88	82	77	70
2.00	99	92	86	97	91	86	94	88	84	77
2.50	102	96	91	100	94	90	96	91	88	80
3.00	105	99	95	103	98	93	99	95	91	83
4.00	108	104	100	106	102	98	102	98	95	86
5.00	110	106	103	108	104	101	103	100	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

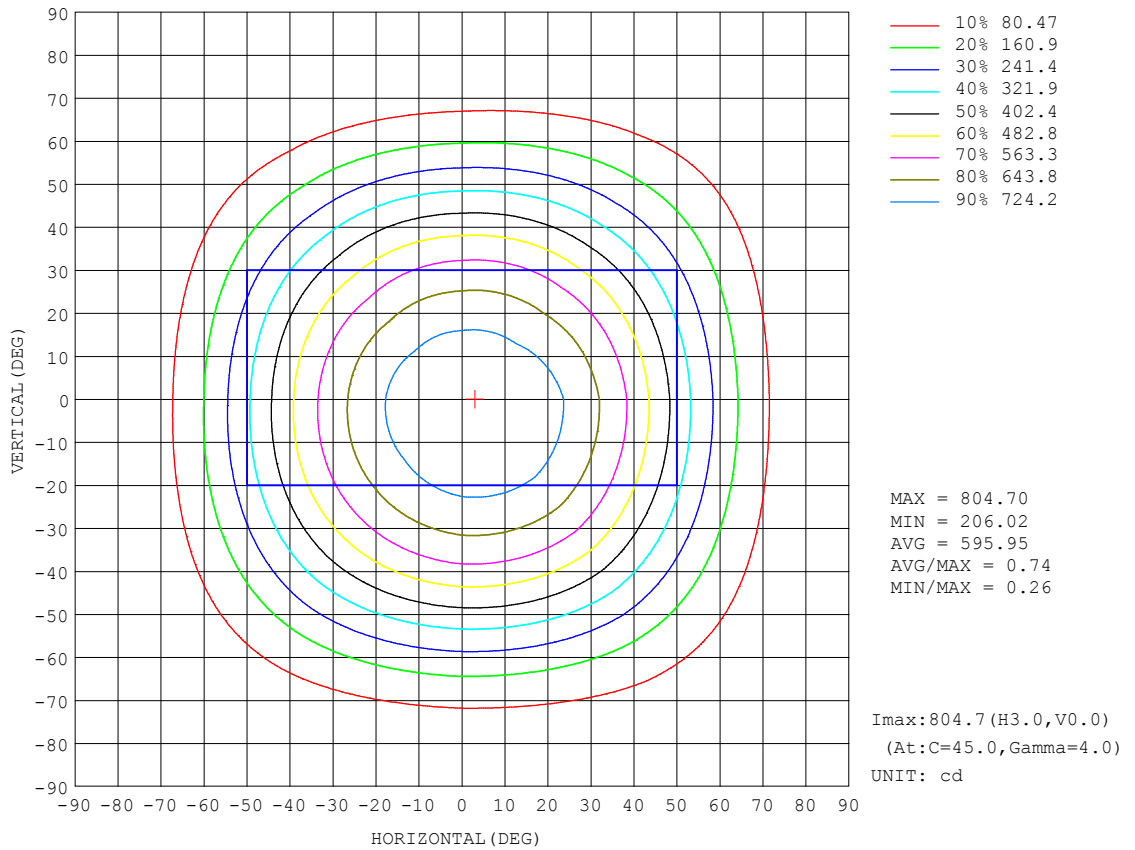
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



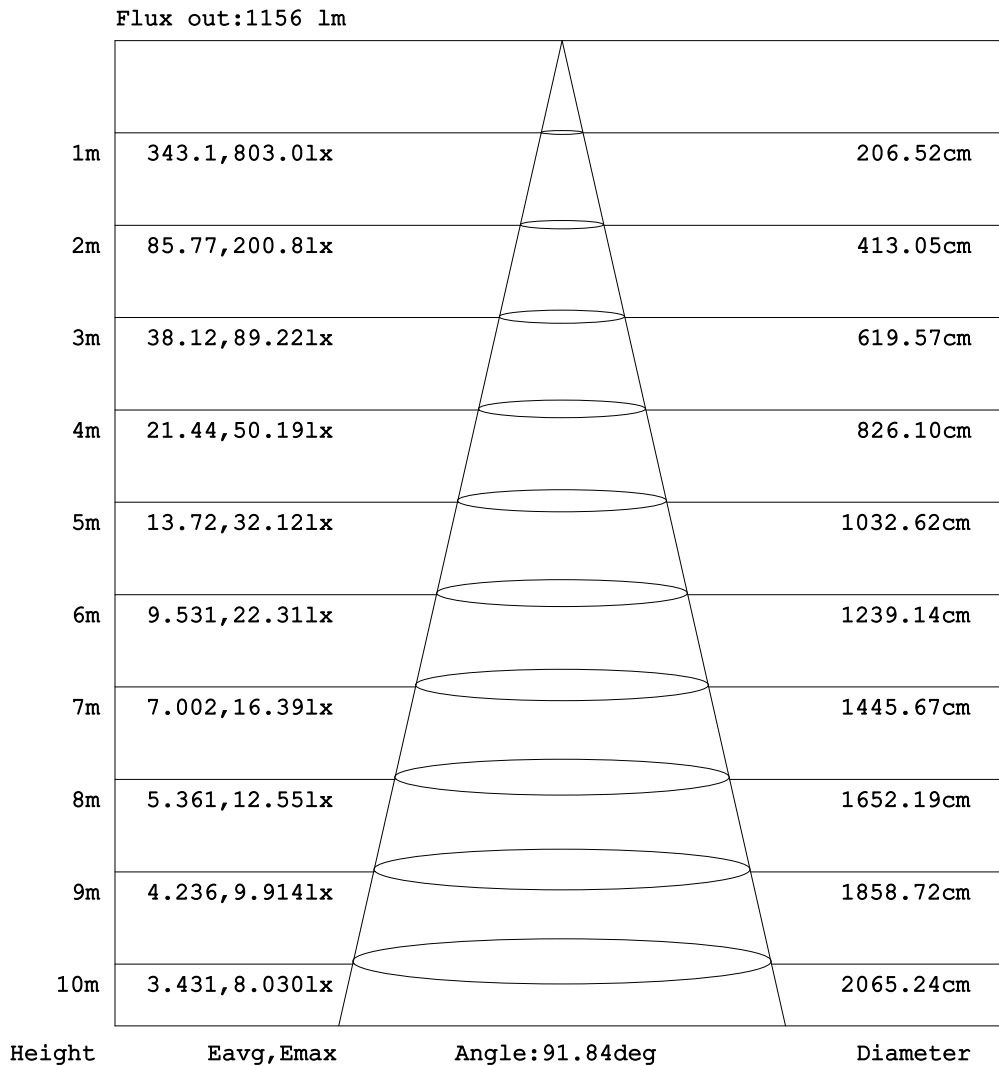
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



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

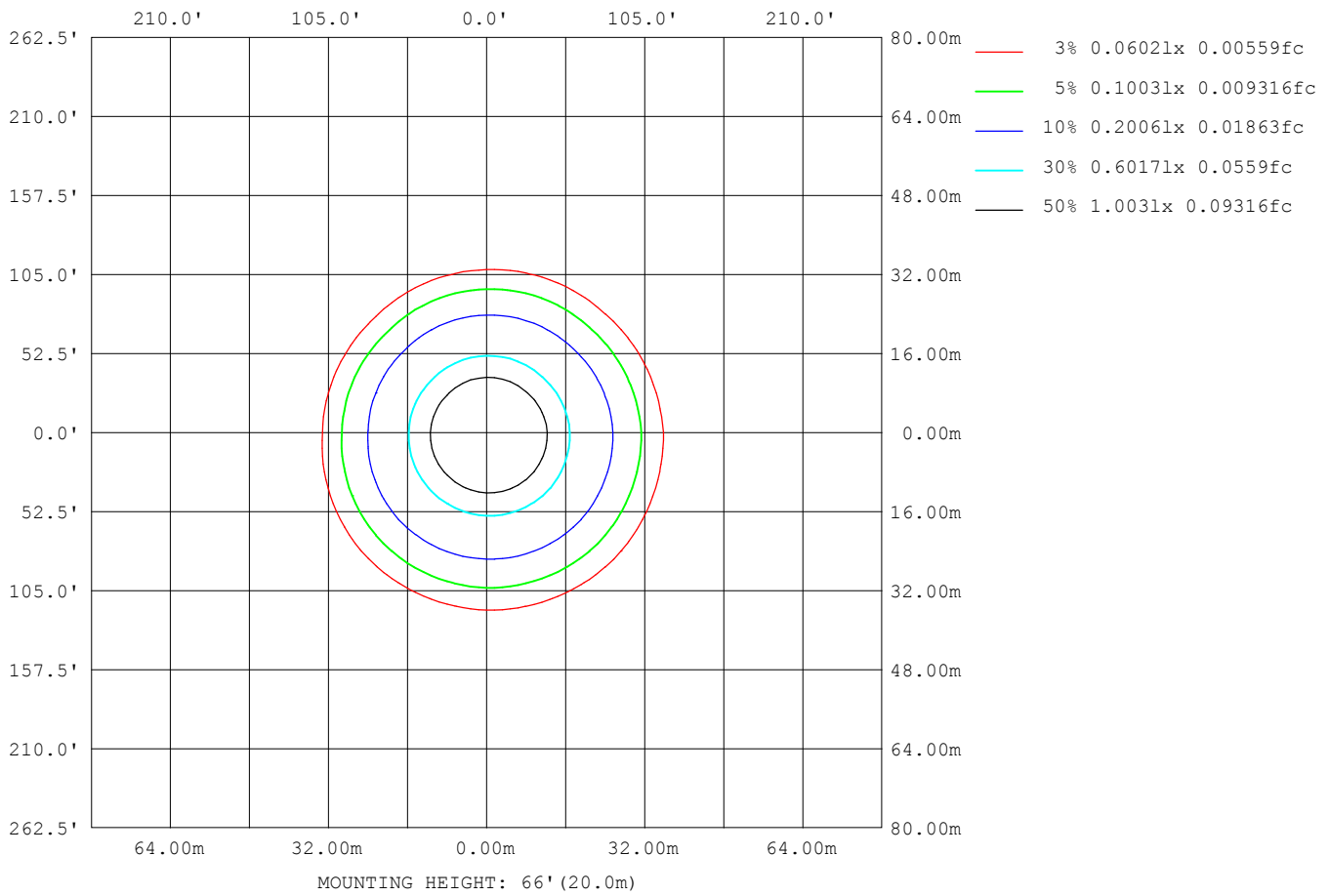
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: WG
 Test Date: 2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

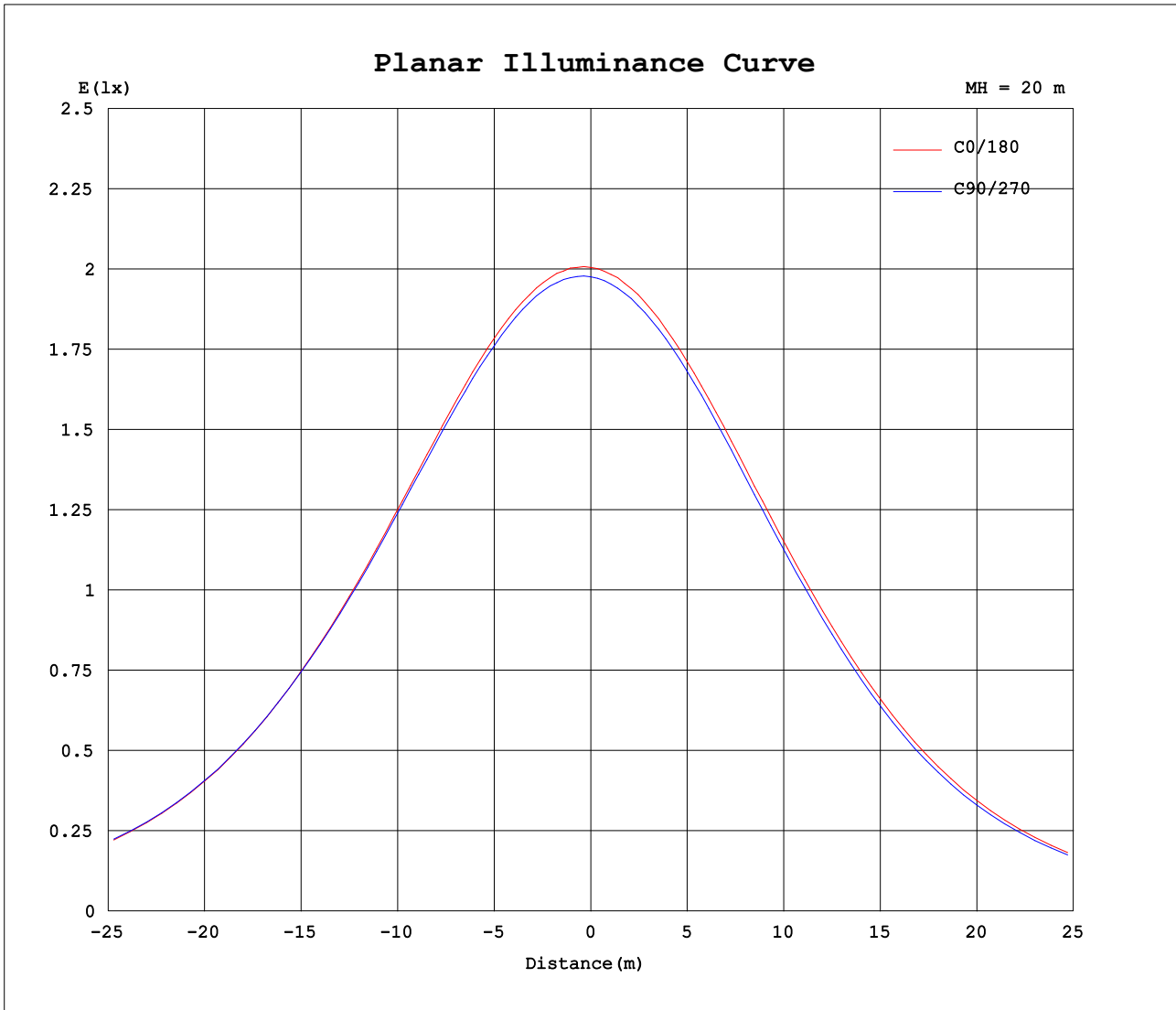
AvgL	cd/m2
L_0~180 (65) av	24783
L_0~180 (75) av	12916
L_0~180 (85) av	8807
L_90~270 (65) av	25010
L_90~270 (75) av	13565
L_90~270 (85) av	8905
L_45 (65) av	24677
L_45 (75) av	13437
L_45 (85) av	10152

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:WG
 Test Date:2025-04-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.1670A P:19.800W PF:0.9900 Freq:60.00Hz Lamp Flux:1726.61x1 lm		
NAME: ASD-CDL7-6DA22AC	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 6	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:0.126	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315											
0	794	794	794	794	794	794	794	794											
5	795	798	796	790	783	780	782	788											
10	787	793	788	778	765	758	762	773											
15	769	779	771	757	736	727	733	749											
20	742	755	745	725	699	687	696	715											
25	706	720	709	685	653	638	648	672											
30	658	676	663	636	600	582	594	620											
35	602	623	608	577	537	517	529	558											
40	533	558	542	507	465	445	454	484											
45	454	480	462	432	386	368	376	405											
50	371	396	379	355	306	288	298	326											
55	290	312	298	276	231	212	225	249											
60	215	232	223	202	159	145	156	179											
65	150	159	154	134	102	89.0	99.3	119											
70	94.1	102	99.0	81.5	56.8	48.1	55.7	71.6											
75	51.5	59.7	55.5	43.6	28.7	25.1	28.8	38.5											
80	27.0	33.1	27.2	23.4	15.1	13.0	15.3	19.7											
85	13.9	18.1	13.4	12.2	4.52	3.31	5.23	8.83											
90	4.98	8.20	4.85	3.61	1.92	1.99	1.95	1.79											
95	3.70	3.65	3.61	3.70	2.34	2.41	2.35	2.15											
100	3.91	3.85	3.81	3.89	2.80	2.88	2.79	2.58											
105	4.13	4.07	4.03	4.12	3.28	3.35	3.27	3.05											
110	4.37	4.31	4.26	4.36	3.79	3.85	3.75	3.54											
115	4.63	4.56	4.50	4.61	4.32	4.38	4.25	4.00											
120	4.88	4.83	4.75	4.84	4.79	4.84	4.73	4.45											
125	5.13	5.07	4.99	5.08	5.26	5.38	5.17	4.93											
130	5.38	5.36	5.24	5.31	5.70	5.73	5.60	5.33											
135	5.63	5.64	5.49	5.56	6.08	6.14	6.00	5.74											
140	5.89	5.93	5.73	5.81	6.44	6.51	6.38	6.13											
145	6.13	6.22	6.00	6.08	6.84	6.93	6.73	6.52											
150	6.42	6.52	6.29	6.38	7.17	7.35	7.10	6.89											
155	6.78	6.80	6.64	6.73	7.54	7.62	7.45	7.26											
160	7.18	7.07	7.04	7.11	7.91	7.88	7.80	7.60											
165	7.59	7.47	7.44	7.50	8.22	8.07	8.09	7.90											
170	7.99	7.86	7.84	7.87	8.49	8.28	8.33	8.15											
175	8.32	8.21	8.16	8.17	8.62	8.40	8.46	8.32											
180	8.55	8.44	8.39	8.37	8.62	8.39	8.44	8.35											

C Range: 0 - 360DEG
 C Interval: 45.0DEG
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γ Range: 0 - 180DEG
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