

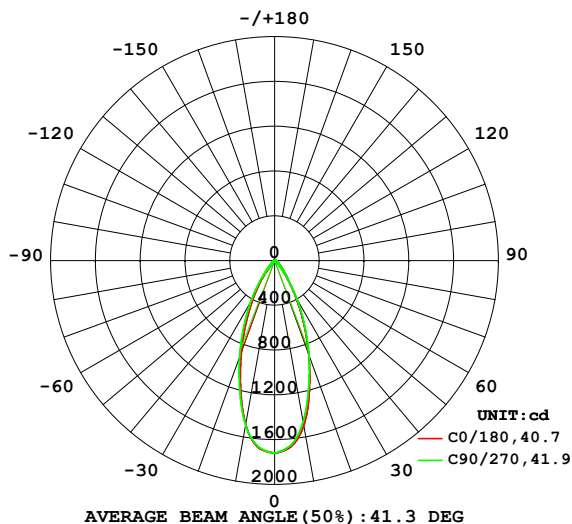
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

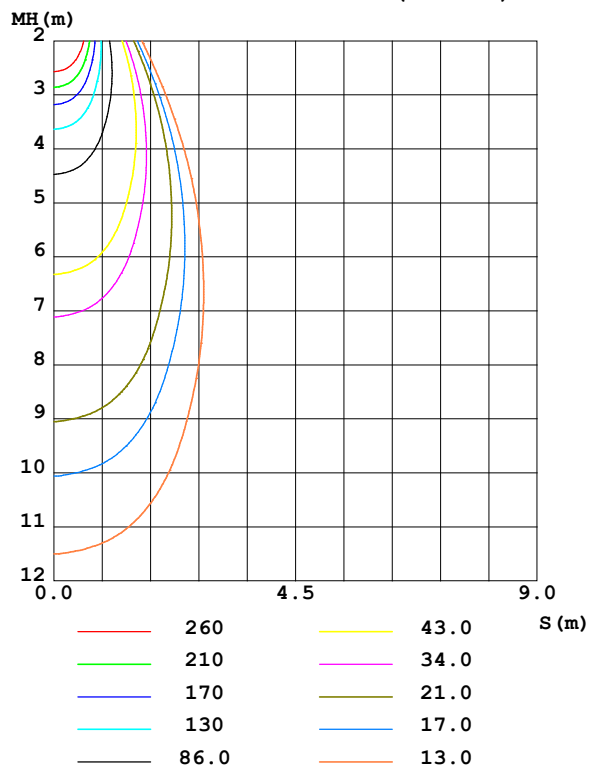
Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.15 lm/W			
MODEL	ASD-CD-TR-3D12WH	I _{max} (cd)	1720	S/MH (C0/180)	0.65
NOMINAL POWER (W)	12	LOR (%)	100.0	S/MH (C90/270)	0.67
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	983.33	η UP, DN (C0-180)	0.4, 49.2
NOMINAL FLUX (lm)	983.332	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 50.1
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	99.3	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3 °C
Operators:
Test Date: 2026-01-08

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity: 65.0%
Test Distance: 3.087m [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	1499	1475	1466	1473	1489	1484	1493	1508	0- 10	153.3	153.3	15.6,15.6
20	894.6	899.5	900.3	873.7	868.7	892.7	919.8	913.6	10- 20	328.6	481.9	49,49
30	382.4	395.4	404.7	371.1	372.4	403.5	431.8	397.4	20- 30	285.1	767.0	78,78
40	103.6	104.4	104.5	98.87	104.4	113.3	123.3	111.1	30- 40	139.6	906.6	92.2,92.2
50	30.46	28.42	28.78	28.18	30.42	30.61	32.29	31.35	40- 50	45.82	952.4	96.9,96.9
60	9.743	9.509	9.446	9.450	9.823	10.12	10.40	10.30	50- 60	15.70	968.1	98.5,98.5
70	3.701	3.523	3.497	3.509	3.679	3.830	3.942	3.822	60- 70	5.889	974.0	99.1,99.1
80	0.8953	0.8063	0.8576	0.8622	0.9084	0.9477	0.9591	0.9274	70- 80	2.074	976.1	99.3,99.3
90	0.0723	0.0697	0.0664	0.0683	0.0653	0.0597	0.0699	0.0656	80- 90	0.4352	976.5	99.3,99.3
100	0.0920	0.0811	0.0874	0.0839	0.0764	0.0755	0.0818	0.0752	90-100	0.0764	976.6	99.3,99.3
110	0.1368	0.1384	0.1470	0.1364	0.1238	0.1173	0.1232	0.1171	100-110	0.1059	976.7	99.3,99.3
120	0.3041	0.3116	0.3346	0.3050	0.2506	0.2476	0.2553	0.2437	110-120	0.1863	976.9	99.3,99.3
130	0.8222	0.8621	0.9230	0.8382	0.6688	0.6970	0.7355	0.6762	120-130	0.4296	977.3	99.4,99.4
140	2.040	2.080	2.152	1.962	1.635	1.758	1.912	1.772	130-140	0.9851	978.3	99.5,99.5
150	3.868	3.762	3.606	3.270	2.825	3.113	3.397	3.406	140-150	1.654	979.9	99.7,99.7
160	5.351	4.570	4.341	3.893	3.703	3.786	4.188	4.292	150-160	1.812	981.8	99.8,99.8
170	4.531	4.481	4.135	3.646	3.529	3.795	4.189	4.488	160-170	1.189	982.9	100,100
180	4.263	4.502	4.322	4.400	4.267	4.507	4.321	4.397	170-180	0.3912	983.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

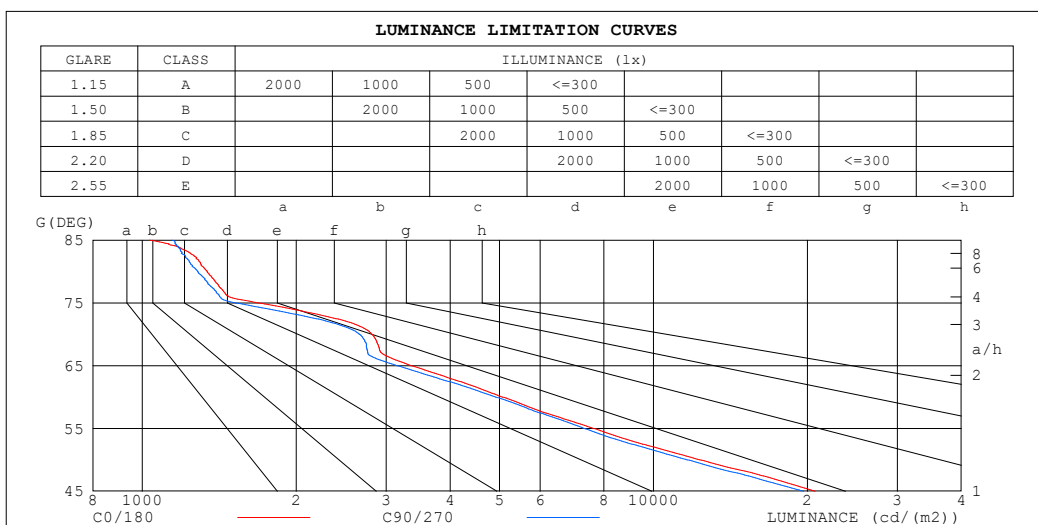
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-08

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1070	1174
80	1353	1298
75	1726	1556
70	2834	2680
65	3399	3194
60	5123	4964
55	7722	7387
50	12464	11793
45	20943	19880

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
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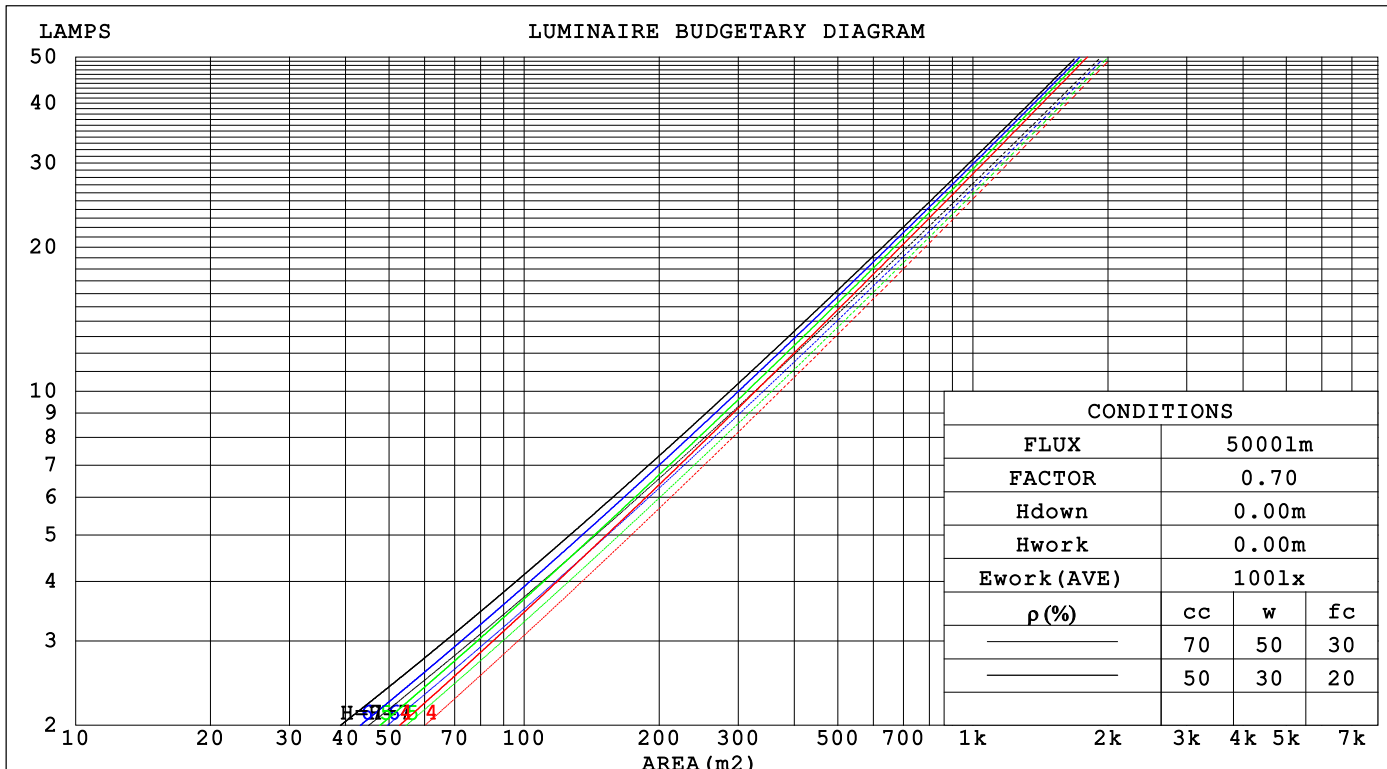
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 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.04	.97	.97	1.02	.99	.96	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.88	.86	.84	.82
4.0	.92	.86	.82	.90	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.77
5.0	.86	.81	.77	.85	.80	.77	.84	.79	.76	.82	.78	.75	.80	.77	.74	.73
6.0	.82	.76	.72	.81	.76	.72	.79	.75	.71	.78	.74	.71	.77	.73	.70	.69
7.0	.77	.72	.68	.77	.71	.68	.75	.71	.67	.74	.70	.67	.73	.69	.66	.65
8.0	.73	.68	.64	.73	.68	.64	.72	.67	.64	.71	.66	.63	.70	.66	.63	.62
9.0	.70	.64	.61	.69	.64	.61	.68	.64	.60	.68	.63	.60	.67	.63	.60	.59
10.0	.67	.61	.58	.66	.61	.58	.65	.61	.57	.65	.60	.57	.64	.60	.57	.56



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-08

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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	.170	.097	.031	.163	.093	.030	.150	.086	.028	.139	.080	.026	.128	.074	.024		
2.0	.162	.089	.027	.156	.086	.027	.145	.081	.025	.135	.076	.024	.126	.071	.022		
3.0	.154	.082	.024	.149	.080	.024	.139	.076	.023	.131	.072	.022	.123	.068	.021		
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.126	.068	.020	.119	.065	.020		
5.0	.139	.071	.020	.135	.069	.020	.128	.067	.020	.121	.064	.019	.115	.062	.019		
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.117	.061	.018	.112	.059	.017		
7.0	.126	.062	.018	.123	.061	.017	.118	.059	.017	.113	.058	.017	.108	.056	.016		
8.0	.120	.059	.017	.118	.058	.016	.113	.056	.016	.108	.055	.016	.104	.053	.016		
9.0	.115	.056	.016	.113	.055	.015	.109	.054	.015	.105	.052	.015	.101	.051	.015		
10.0	.110	.053	.015	.108	.052	.015	.105	.051	.014	.101	.050	.014	.097	.049	.014		

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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.176	.163	.151	.151	.140	.130	.103	.096	.090	.059	.056	.052	.019	.018	.017		
2.0	.160	.138	.119	.137	.119	.103	.094	.082	.072	.054	.048	.042	.017	.015	.014		
3.0	.147	.119	.096	.126	.103	.083	.087	.071	.058	.050	.042	.034	.016	.014	.011		
4.0	.137	.104	.079	.117	.090	.069	.081	.063	.048	.047	.037	.029	.015	.012	.009		
5.0	.128	.092	.066	.110	.080	.058	.076	.056	.041	.044	.033	.024	.014	.011	.008		
6.0	.120	.083	.056	.103	.072	.049	.071	.050	.035	.041	.030	.021	.013	.010	.007		
7.0	.113	.075	.049	.098	.065	.042	.067	.046	.030	.039	.027	.018	.013	.009	.006		
8.0	.107	.069	.043	.093	.060	.037	.064	.042	.026	.037	.025	.016	.012	.008	.005		
9.0	.102	.064	.038	.088	.055	.033	.061	.039	.023	.036	.023	.014	.012	.008	.005		
10.0	.098	.059	.034	.084	.051	.029	.058	.036	.021	.034	.021	.012	.011	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-08

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm										
NAME: ASD-CD-TR-3D12WH						TYPE:		WEIGHT:		
SPEC.: 5000K						DIM.:		SERIAL No.:		
MFR.: ASD Lighting Corp						SUR.:		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	17.6	18.4	17.8	18.6	18.8	17.8	18.7	18.0	18.8	19.0
3H	17.5	18.3	17.7	18.5	18.7	17.7	18.5	17.9	18.7	18.9
4H	17.4	18.2	17.7	18.4	18.6	17.6	18.4	17.9	18.6	18.8
6H	17.3	18.0	17.6	18.3	18.6	17.5	18.2	17.8	18.5	18.8
8H	17.3	18.0	17.6	18.2	18.5	17.5	18.2	17.8	18.4	18.7
12H	17.2	17.9	17.6	18.2	18.5	17.4	18.1	17.8	18.4	18.7
4H 2H	17.4	18.1	17.7	18.4	18.6	17.6	18.4	17.9	18.6	18.8
3H	17.3	18.0	17.6	18.2	18.5	17.5	18.2	17.8	18.4	18.7
4H	17.2	17.8	17.6	18.1	18.5	17.4	18.0	17.8	18.3	18.7
6H	17.1	17.7	17.5	18.0	18.4	17.3	17.9	17.7	18.2	18.6
8H	17.1	17.6	17.5	18.0	18.3	17.3	17.8	17.7	18.2	18.5
12H	17.1	17.5	17.5	17.9	18.3	17.3	17.7	17.7	18.1	18.5
8H 4H	17.1	17.6	17.5	17.9	18.3	17.3	17.8	17.7	18.1	18.5
6H	17.0	17.4	17.5	17.8	18.3	17.2	17.6	17.7	18.0	18.5
8H	17.0	17.3	17.4	17.8	18.2	17.2	17.5	17.6	18.0	18.4
12H	16.9	17.2	17.4	17.7	18.2	17.1	17.4	17.6	17.9	18.4
12H 4H	17.0	17.5	17.5	17.9	18.3	17.2	17.7	17.7	18.1	18.5
6H	17.0	17.3	17.4	17.7	18.2	17.2	17.5	17.6	17.9	18.4
8H	16.9	17.2	17.4	17.7	18.2	17.1	17.4	17.6	17.9	18.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 5.5					+ 2.8 / - 5.9				
1.5H	+ 4.2 / - 4.4					+ 4.5 / - 4.5				
2.0H	+ 4.5 / - 4.2					+ 4.3 / - 4.2				

CIE Pub.117, 983.3 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.1$)
 Area: 0.0038465 m²

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-08

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	92	89	84
1.25	103	98	94	102	97	94	100	96	93	88
1.50	106	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	109	111	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

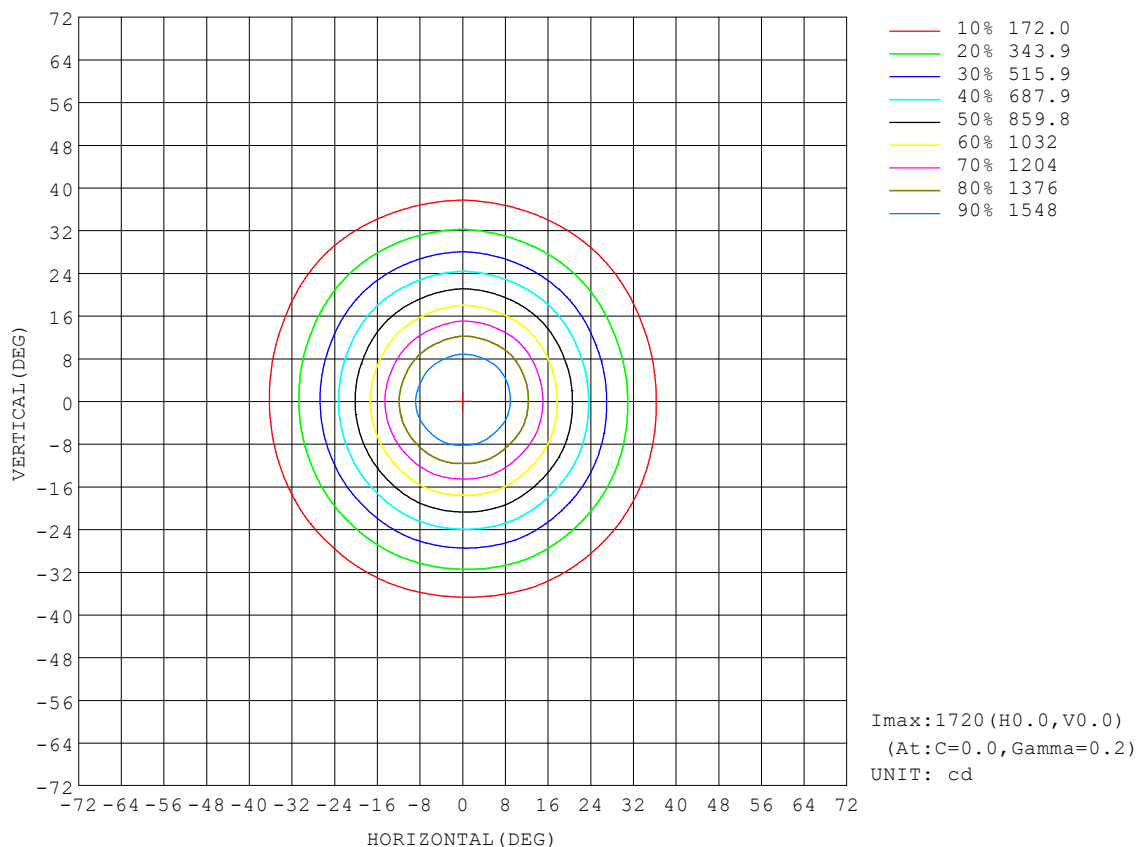
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 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
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γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
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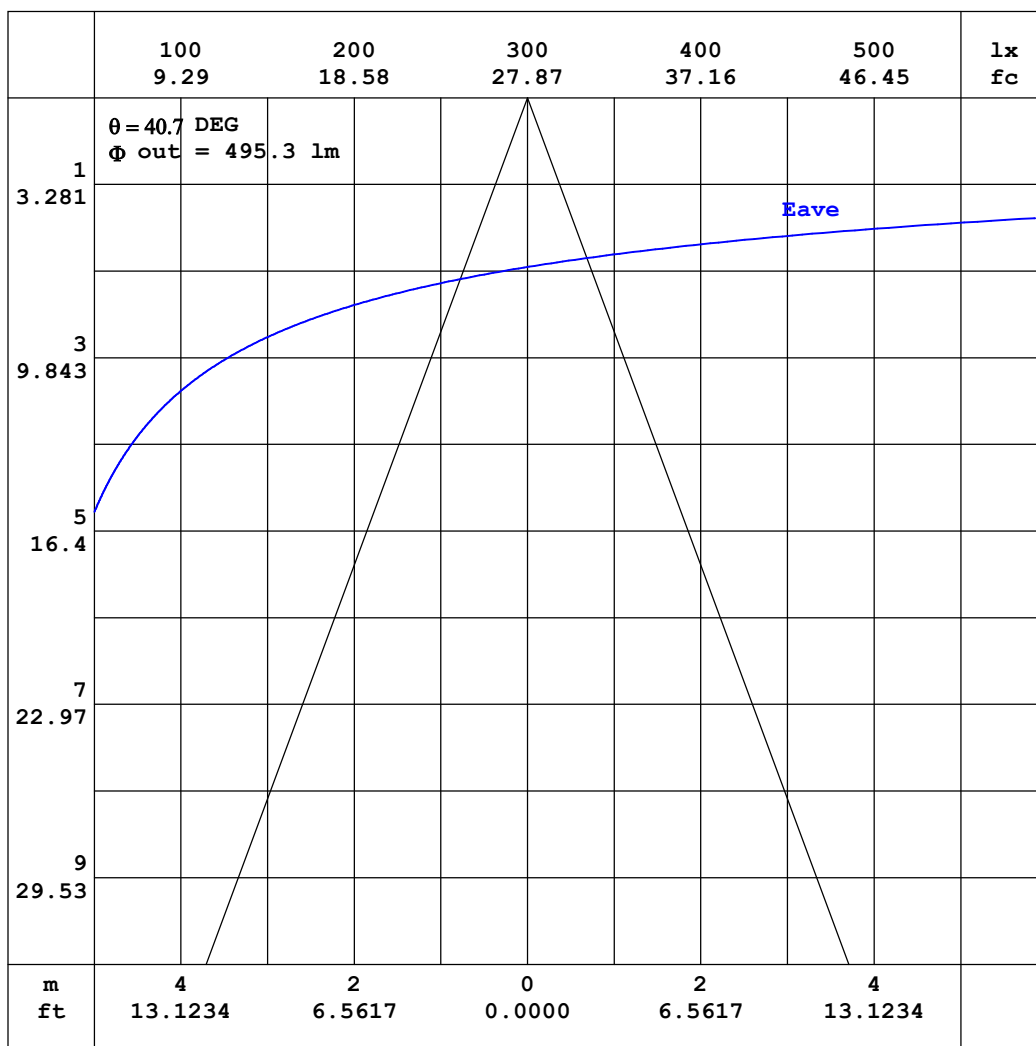
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Humidity:65.0%
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Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI CURVES

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



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

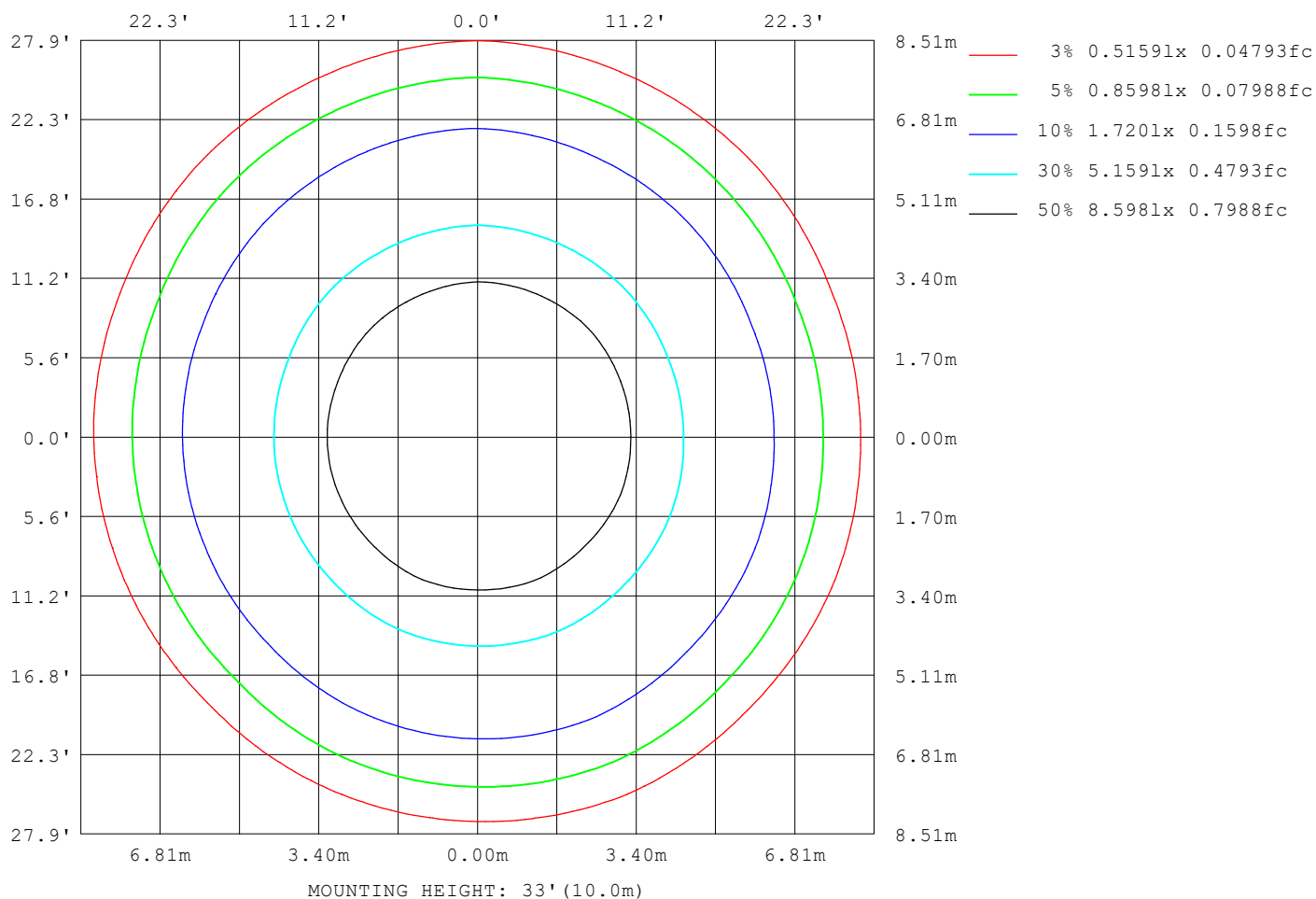
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-01-08

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test: U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz UTHDi: 0.00% ITHDi: 0.00% KDisp: 0 Lamp Flux: 983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3°C
 Operators:
 Test Date: 2026-01-08

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

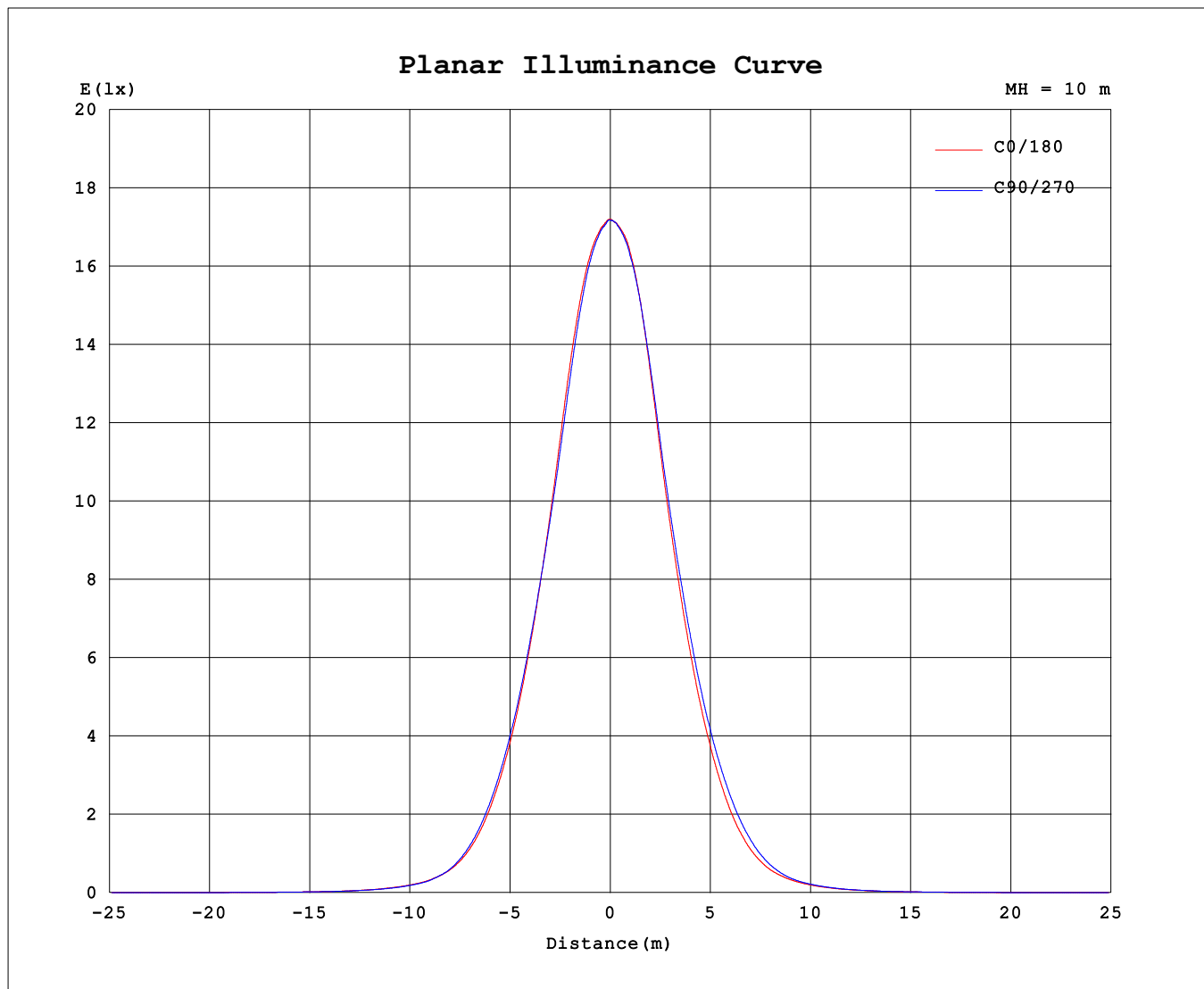
AvgL	cd/m2
L_0~180 (65) av	3358
L_0~180 (75) av	1691
L_0~180 (85) av	1087
L_90~270 (65) av	3412
L_90~270 (75) av	1716
L_90~270 (85) av	1257
L_45 (65) av	3378
L_45 (75) av	1692
L_45 (85) av	994

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-08

γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 24.3 °C
 Operators:
 Test Date: 2026-01-08

γ Range: 0 - 180DEG
 γ Interval: 0.1DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.08V I:0.0936A P:10.908W PF:0.9708 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:983.332x1 lm		
NAME: ASD-CD-TR-3D12WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1720	1718	1718	1717	1718	1716	1715	1715	1720	1718	1718	1717	1718	1716	1715	1715			
5	1670	1665	1657	1659	1658	1663	1665	1671	1679	1676	1673	1667	1671	1667	1672	1670			
10	1504	1499	1481	1480	1471	1479	1478	1486	1494	1484	1490	1487	1499	1501	1513	1509			
15	1211	1211	1191	1196	1183	1188	1176	1179	1182	1177	1189	1189	1210	1212	1226	1214			
20	900	910	905	917	907	903	880	874	875	878	898	905	925	919	921	902			
25	619	632	635	649	640	631	607	601	603	609	634	643	660	646	638	619			
30	387	397	400	418	409	398	376	371	376	384	408	423	436	417	402	384			
35	208	216	218	232	224	214	199	201	206	211	229	240	251	234	222	208			
40	105	107	105	110	105	102	100	102	106	108	115	119	125	117	113	105			
45	57.0	56.2	53.6	55.6	54.1	53.2	52.5	55.3	57.7	57.7	59.2	60.9	63.3	60.6	58.6	56.5			
50	30.8	30.3	28.7	29.7	29.2	28.9	28.5	29.8	30.8	30.4	31.0	31.6	32.7	31.9	31.8	30.8			
55	17.0	16.8	16.4	16.7	16.3	16.2	15.9	16.3	16.6	16.7	16.9	17.3	17.5	17.4	17.5	17.2			
60	9.85	9.85	9.61	9.79	9.55	9.53	9.54	9.82	9.92	9.94	10.2	10.4	10.5	10.4	10.4	10.0			
65	5.53	5.48	5.22	5.29	5.19	5.25	5.25	5.45	5.53	5.60	5.84	5.98	6.04	5.87	5.95	5.76			
70	3.73	3.66	3.55	3.56	3.53	3.55	3.54	3.64	3.71	3.73	3.85	3.93	3.97	3.85	3.85	3.80			
75	1.72	1.68	1.57	1.58	1.55	1.59	1.57	1.64	1.73	1.76	1.88	1.89	1.95	1.86	1.87	1.78			
80	0.90	0.90	0.82	0.87	0.87	0.88	0.87	0.89	0.92	0.93	0.96	0.96	0.97	0.94	0.94	0.92			
85	0.36	0.29	0.26	0.39	0.39	0.29	0.23	0.35	0.40	0.40	0.44	0.45	0.47	0.44	0.44	0.41			
90	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.07	0.06	0.06	0.06	0.08	0.07	0.07	0.07			
95	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07			
100	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.08			
105	0.11	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.10	0.09	0.09	0.09			
110	0.14	0.14	0.14	0.14	0.15	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12			
115	0.20	0.19	0.20	0.20	0.21	0.20	0.19	0.19	0.17	0.16	0.16	0.16	0.17	0.16	0.16	0.16			
120	0.30	0.30	0.31	0.31	0.33	0.31	0.30	0.29	0.25	0.25	0.24	0.25	0.25	0.25	0.24	0.25			
125	0.49	0.49	0.51	0.52	0.55	0.52	0.50	0.48	0.40	0.40	0.41	0.42	0.42	0.41	0.39	0.40			
130	0.81	0.82	0.85	0.88	0.91	0.86	0.83	0.79	0.66	0.68	0.69	0.73	0.73	0.71	0.67	0.67			
135	1.32	1.32	1.36	1.39	1.45	1.37	1.32	1.28	1.07	1.12	1.14	1.20	1.22	1.18	1.11	1.10			
140	2.02	2.03	2.07	2.06	2.14	2.01	1.95	1.94	1.62	1.71	1.75	1.84	1.90	1.83	1.76	1.75			
145	2.90	2.89	2.88	2.83	2.91	2.73	2.60	2.66	2.28	2.38	2.40	2.57	2.69	2.61	2.55	2.57			
150	3.85	3.82	3.74	3.55	3.60	3.35	3.26	3.26	2.82	2.94	3.10	3.24	3.39	3.34	3.39	3.47			
155	4.78	4.69	4.40	4.08	4.07	3.76	3.72	3.83	3.37	3.56	3.63	3.71	3.92	3.90	4.05	4.38			
160	5.35	5.10	4.57	4.40	4.34	3.91	3.89	4.00	3.70	3.81	3.78	3.93	4.19	4.28	4.29	4.78			
165	5.07	4.89	4.48	4.38	4.10	3.89	3.76	3.82	3.60	3.75	3.79	3.97	4.05	4.30	4.32	4.66			
170	4.54	4.43	4.48	4.35	4.13	3.92	3.64	3.41	3.53	3.52	3.79	4.16	4.19	4.35	4.48	4.30			
175	4.34	4.49	4.44	4.20	4.07	3.88	3.88	3.57	3.57	3.64	4.03	4.14	4.17	4.22	4.41	4.32			
180	4.27	4.22	4.51	4.29	4.32	4.17	4.40	4.12	4.26	4.21	4.50	4.28	4.32	4.18	4.40	4.14			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
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γ Range: 0 - 180DEG
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