

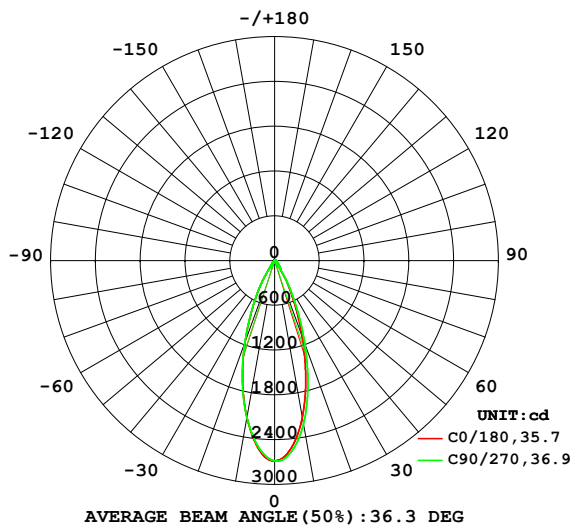
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

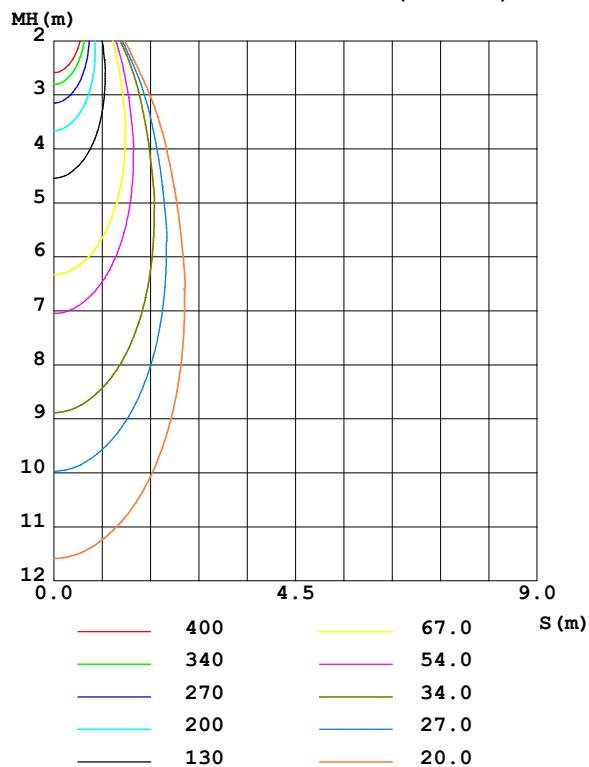
Test:U:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.52 lm/W
MODEL	ASD-CD-TS-4D15AC-WH	I _{max} (cd)	2687	S/MH (C0/180)	0.59	
NOMINAL POWER (W)	15	LOR (%)	100.0	S/MH (C90/270)	0.60	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1181.9	η UP, DN (C0-180)	0.4, 49.5	
NOMINAL FLUX (lm)	1181.92	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.3, 49.8	
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	120	η down (%)	99.3	CIBSE SHR MAX	0.65	

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	2138	2150	2228	2204	2139	2164	2138	2120	0- 10	229.6	229.6	19.4,19.4
20	1080	1095	1191	1186	1162	1222	1170	1111	10- 20	456.7	686.3	58.1,58.1
30	331.9	321.2	356.9	401.9	374.2	388.4	379.2	375.3	20- 30	320.0	1006	85.1,85.1
40	49.89	62.17	51.96	66.88	53.08	69.42	53.64	66.65	30- 40	100.4	1107	93.6,93.6
50	26.00	33.70	26.48	36.00	27.38	36.99	26.36	35.16	40- 50	32.38	1139	96.4,96.4
60	11.67	14.82	11.99	16.32	12.17	16.59	11.69	15.24	50- 60	19.08	1158	98,98
70	5.308	6.486	5.662	7.257	5.853	7.154	5.471	6.495	60- 70	9.479	1168	98.8,98.8
80	2.712	2.939	2.951	3.343	3.080	3.291	2.854	2.966	70- 80	4.535	1172	99.2,99.2
90	0.1034	0.1014	0.1176	0.0977	0.1078	0.0783	0.0972	0.0810	80- 90	1.721	1174	99.3,99.3
100	0.1146	0.1178	0.1223	0.1108	0.1294	0.0999	0.1103	0.1055	90-100	0.1065	1174	99.3,99.3
110	0.1600	0.1729	0.1855	0.1626	0.1495	0.1529	0.1534	0.1624	100-110	0.1408	1174	99.3,99.3
120	0.2575	0.2986	0.2633	0.2776	0.2128	0.2344	0.2292	0.2531	110-120	0.1962	1174	99.3,99.3
130	0.7005	0.7623	0.7097	0.7056	0.5066	0.5328	0.5677	0.6314	120-130	0.3536	1175	99.4,99.4
140	2.192	2.217	2.154	1.969	1.629	1.639	1.898	1.922	130-140	0.9090	1175	99.5,99.5
150	4.770	4.726	4.419	3.970	3.553	3.642	4.267	4.348	140-150	1.883	1177	99.6,99.6
160	7.356	6.358	5.821	5.344	5.087	5.150	5.702	5.982	150-160	2.368	1180	99.8,99.8
170	6.299	6.247	5.559	5.180	4.947	5.207	5.555	6.213	160-170	1.646	1181	100,100
180	5.551	6.062	5.758	5.916	5.548	6.053	5.763	5.908	170-180	0.5347	1182	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

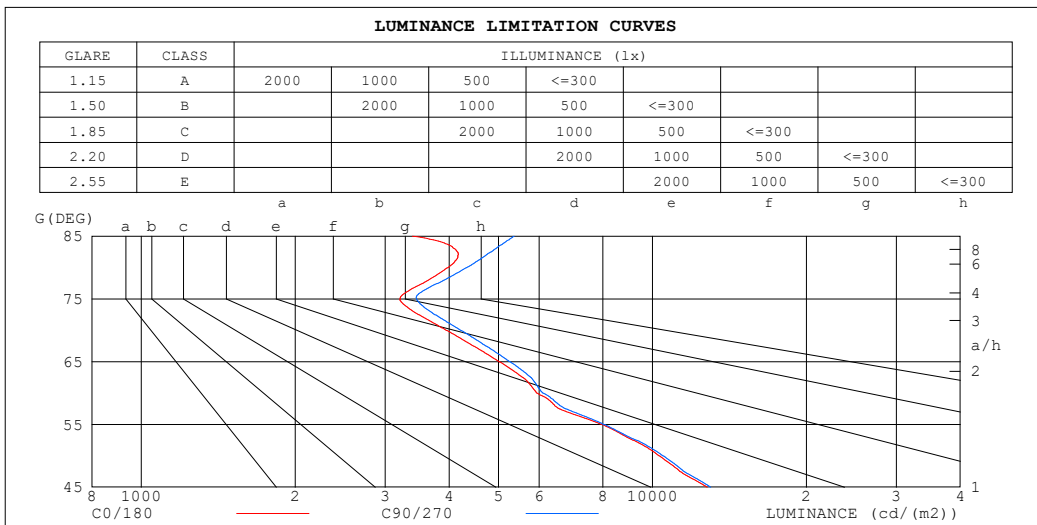
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 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.3℃
 Operators:
 Test Date:2026-01-08

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:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3522	5450
80	3999	4355
75	3229	3482
70	3991	4256
65	5053	5300
60	5987	6152
55	8024	8104
50	10367	10549
45	12873	13081

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C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
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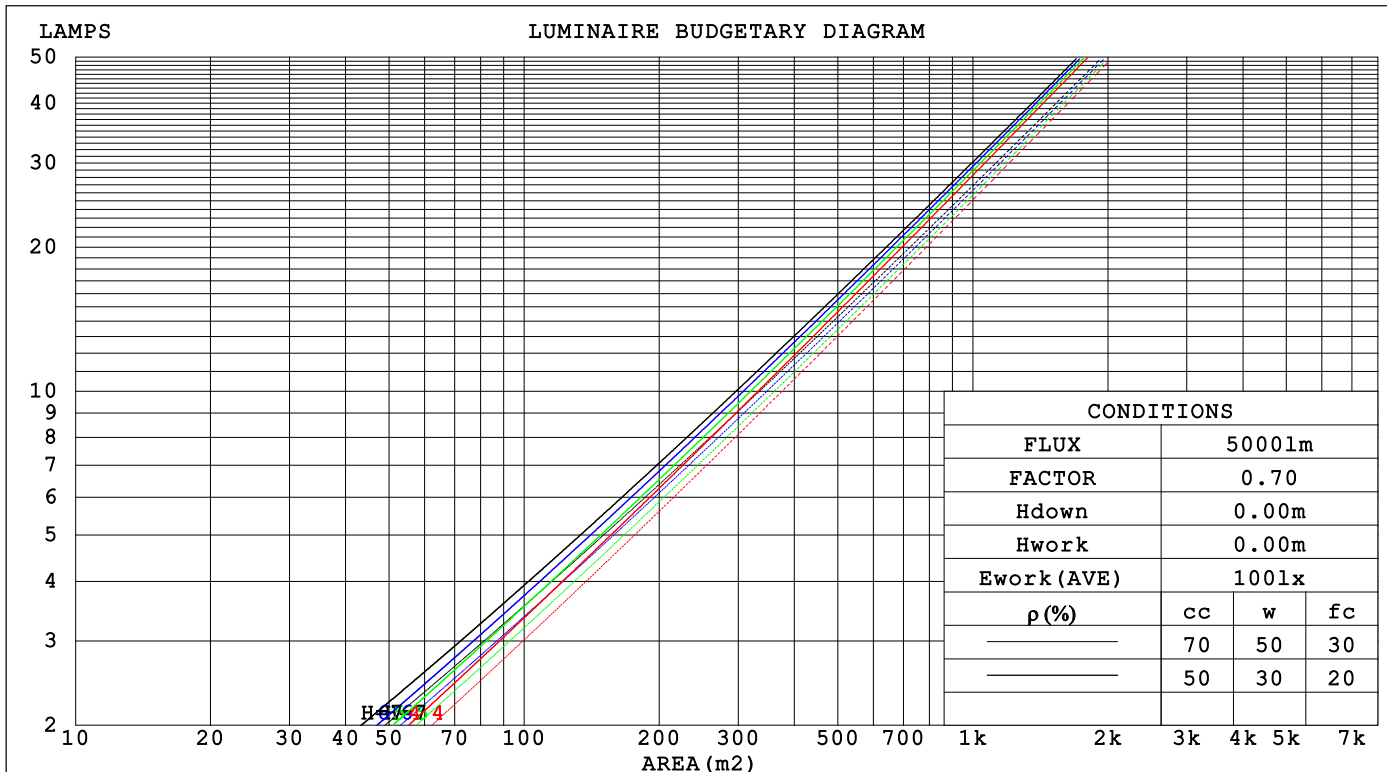
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Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz		
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NAME: ASD-CD-TS-4D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	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	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.99	.99	.98	.97	.96	.94
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.95	.97	.94	.92	.94	.92	.90	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.88	.92	.89	.87	.90	.88	.86	.84
4.0	.93	.89	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.80
5.0	.89	.84	.80	.88	.83	.79	.86	.82	.79	.84	.81	.78	.83	.80	.77	.76
6.0	.84	.79	.75	.84	.79	.75	.82	.78	.75	.81	.77	.74	.79	.76	.74	.72
7.0	.80	.75	.72	.80	.75	.71	.79	.74	.71	.77	.74	.71	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66
9.0	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.71	.67	.64	.63
10.0	.71	.66	.62	.70	.66	.62	.69	.65	.62	.69	.65	.62	.68	.64	.62	.61



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:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH		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	.164	.093	.030	.157	.090	.028	.144	.083	.026	.132	.076	.024	.121	.070	.023		
2.0	.154	.085	.026	.149	.082	.025	.138	.077	.024	.128	.072	.022	.118	.067	.021		
3.0	.145	.077	.023	.140	.075	.023	.131	.071	.022	.123	.067	.021	.115	.064	.020		
4.0	.137	.071	.021	.133	.070	.021	.125	.066	.020	.118	.063	.019	.111	.060	.018		
5.0	.130	.066	.019	.126	.065	.019	.119	.062	.018	.113	.060	.018	.107	.057	.017		
6.0	.123	.062	.018	.120	.061	.017	.114	.058	.017	.109	.056	.017	.103	.054	.016		
7.0	.117	.058	.016	.115	.057	.016	.109	.055	.016	.104	.054	.016	.100	.052	.015		
8.0	.112	.055	.015	.110	.054	.015	.105	.052	.015	.100	.051	.015	.096	.049	.014		
9.0	.107	.052	.014	.105	.051	.014	.101	.050	.014	.097	.049	.014	.093	.047	.014		
10.0	.103	.049	.014	.101	.049	.014	.097	.048	.013	.093	.046	.013	.090	.045	.013		

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	.150	.140	.130	.103	.096	.090	.059	.056	.052	.019	.018	.017		
2.0	.159	.138	.120	.136	.119	.104	.093	.082	.072	.054	.048	.042	.017	.015	.014		
3.0	.146	.119	.097	.125	.102	.084	.086	.071	.059	.050	.042	.035	.016	.014	.011		
4.0	.135	.104	.080	.115	.090	.070	.079	.063	.049	.046	.037	.029	.015	.012	.010		
5.0	.125	.092	.068	.107	.080	.059	.074	.056	.041	.043	.033	.025	.014	.011	.008		
6.0	.117	.082	.058	.101	.071	.050	.069	.050	.035	.040	.029	.021	.013	.010	.007		
7.0	.110	.075	.050	.095	.065	.043	.065	.045	.031	.038	.027	.018	.012	.009	.006		
8.0	.104	.068	.044	.090	.059	.038	.062	.042	.027	.036	.024	.016	.012	.008	.005		
9.0	.099	.063	.039	.085	.054	.034	.059	.038	.024	.034	.023	.014	.011	.007	.005		
10.0	.094	.058	.034	.081	.051	.030	.056	.036	.021	.033	.021	.013	.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:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz										
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm										
NAME: ASD-CD-TS-4D15AC-WH						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	14.8	15.6	15.0	15.7	15.9	15.0	15.8	15.2	16.0	16.2
3H	15.0	15.7	15.2	15.9	16.1	15.2	16.0	15.5	16.2	16.4
4H	15.0	15.7	15.3	15.9	16.2	15.3	16.0	15.5	16.2	16.4
6H	15.1	15.7	15.4	16.0	16.2	15.3	16.0	15.6	16.3	16.5
8H	15.1	15.8	15.4	16.0	16.3	15.4	16.0	15.7	16.3	16.6
12H	15.1	15.7	15.4	16.0	16.3	15.4	16.1	15.8	16.3	16.6
4H 2H	14.8	15.5	15.1	15.8	16.0	15.1	15.8	15.3	16.0	16.2
3H	15.1	15.7	15.4	16.0	16.3	15.4	16.0	15.7	16.3	16.5
4H	15.2	15.8	15.6	16.1	16.4	15.5	16.0	15.8	16.3	16.7
6H	15.4	15.9	15.8	16.2	16.6	15.6	16.1	16.0	16.5	16.8
8H	15.5	15.9	15.9	16.3	16.7	15.7	16.2	16.1	16.6	17.0
12H	15.5	15.9	15.9	16.3	16.7	15.8	16.3	16.3	16.7	17.1
8H 4H	15.2	15.7	15.6	16.1	16.4	15.5	15.9	15.9	16.3	16.7
6H	15.5	15.9	15.9	16.3	16.7	15.7	16.1	16.2	16.5	16.9
8H	15.6	16.0	16.1	16.4	16.8	15.9	16.3	16.4	16.7	17.1
12H	15.7	16.0	16.2	16.5	16.9	16.1	16.4	16.6	16.8	17.3
12H 4H	15.2	15.6	15.6	16.0	16.4	15.4	15.9	15.9	16.2	16.6
6H	15.5	15.8	15.9	16.2	16.7	15.7	16.1	16.2	16.5	16.9
8H	15.7	15.9	16.1	16.4	16.9	15.9	16.2	16.4	16.7	17.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.9 / - 1.3					+ 0.9 / - 1.3				
1.5H	+ 1.0 / - 1.0					+ 1.2 / - 1.0				
2.0H	+ 1.3 / - 1.4					+ 1.3 / - 1.3				

CIE Pub.117, 1182 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.6)
 Area: 0.0039262 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

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UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
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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) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	78	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	95
4.00	114	111	109	112	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		

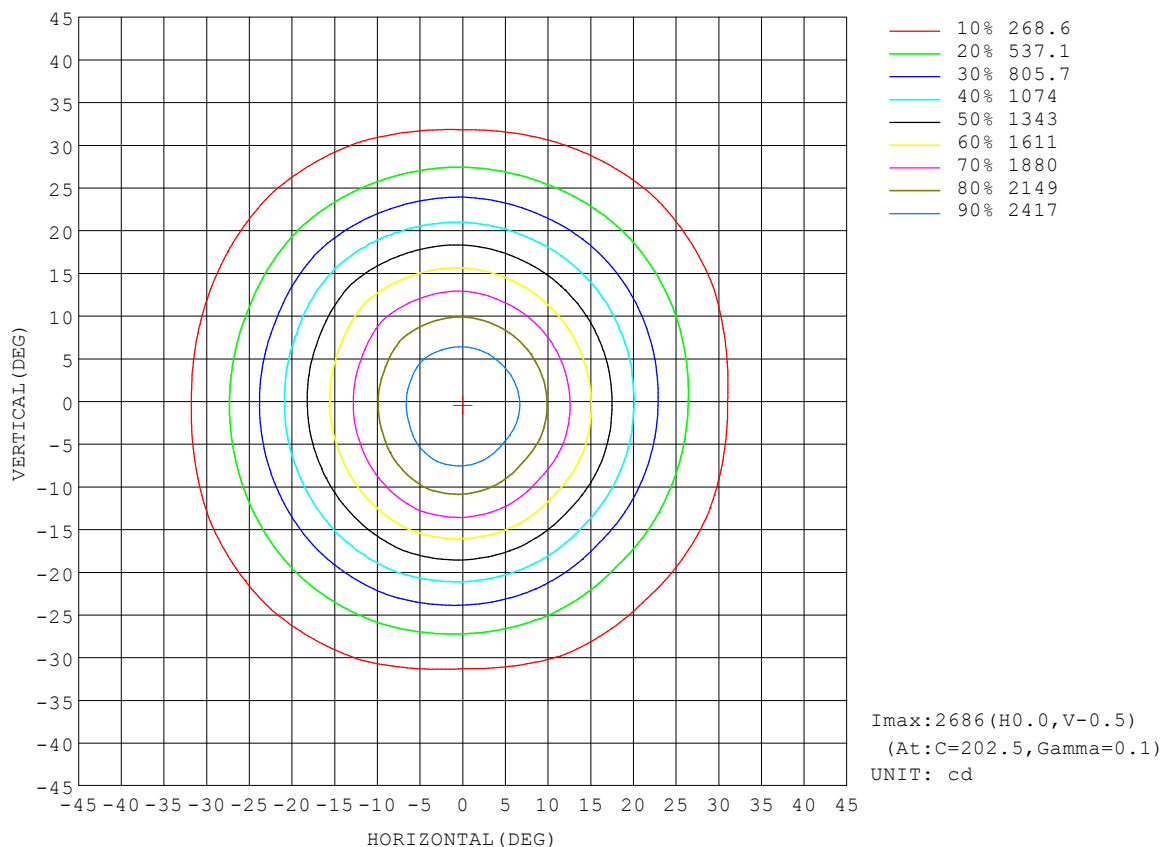
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 Test Speed: HIGH
 Temperature: 24.3°C
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 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.087m [K=1.0000]
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

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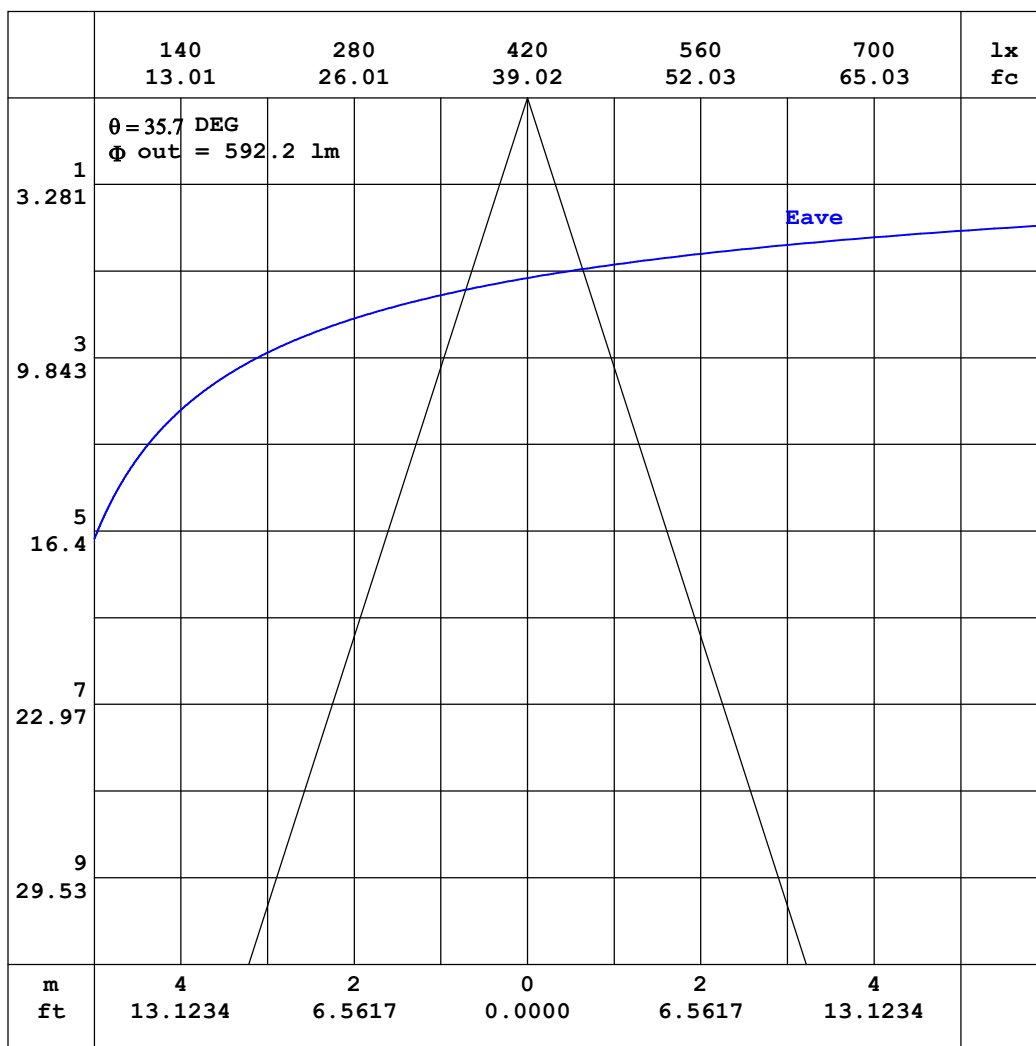
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EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI CURVES

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UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH	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.

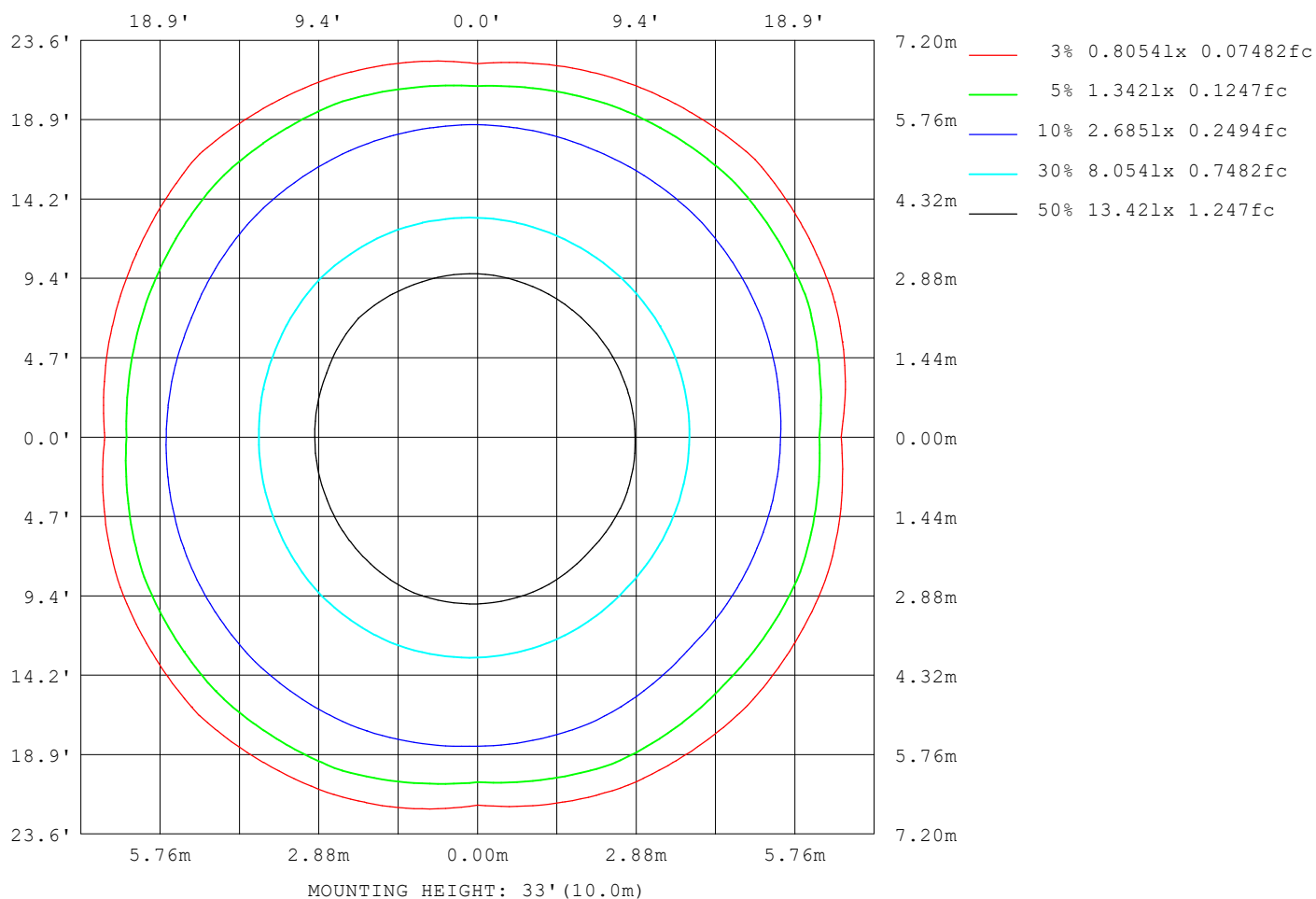
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.3°C
Operators:
Test Date: 2026-01-08

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:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH	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:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

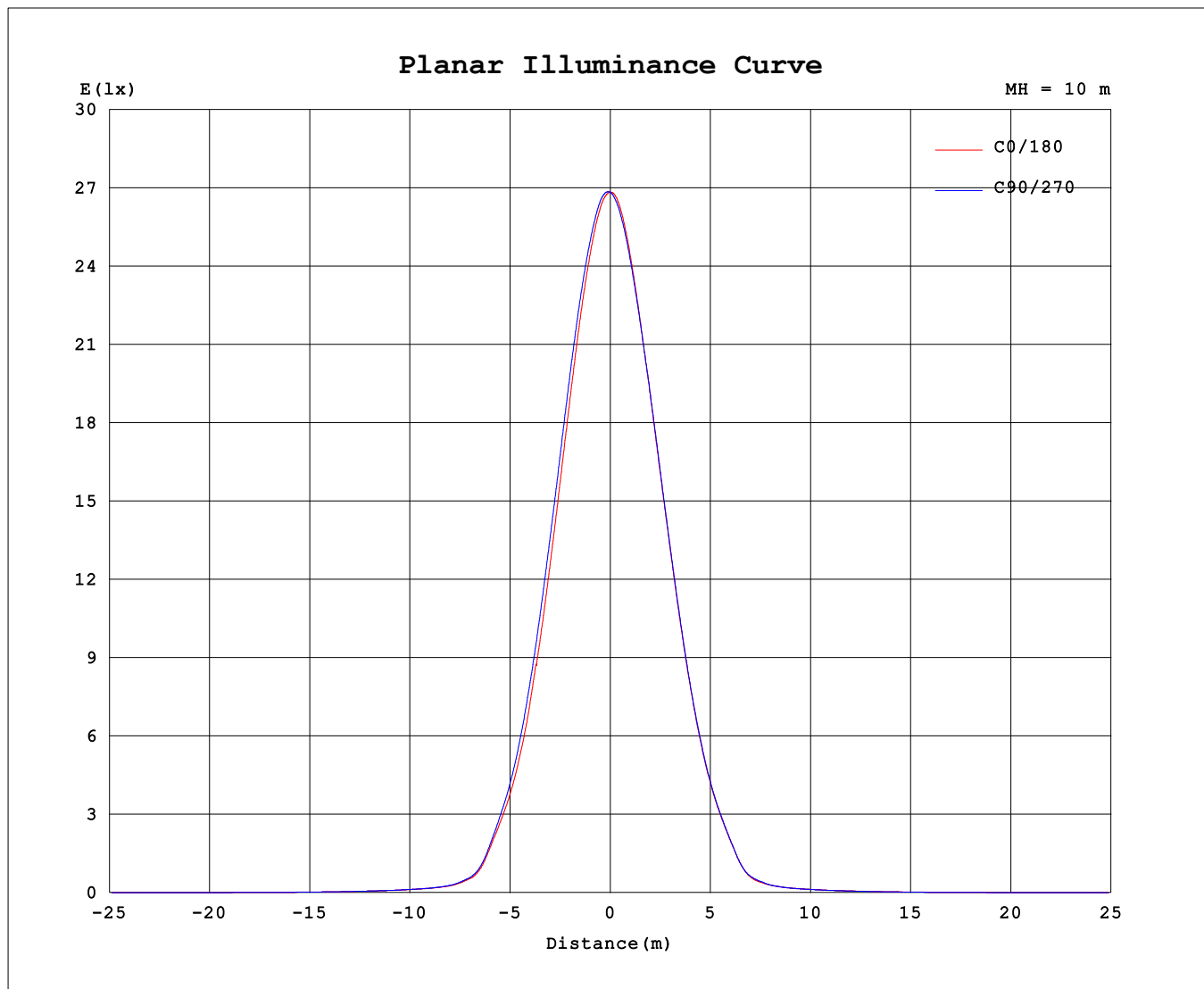
AvgL	cd/m2
L_0~180 (65) av	5201
L_0~180 (75) av	3408
L_0~180 (85) av	3885
L_90~270 (65) av	5186
L_90~270 (75) av	3396
L_90~270 (85) av	5239
L_45 (65) av	6007
L_45 (75) av	4400
L_45 (85) av	4732

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:120.11V I:0.1130A P:13.351W PF:0.9836 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1181.92x1 lm		
NAME: ASD-CD-TS-4D15AC-WH	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	2684	2687	2687	2685	2683	2680	2677	2678	2684	2687	2687	2685	2683	2680	2677	2678			
5	2533	2541	2539	2564	2577	2581	2569	2539	2531	2528	2535	2519	2513	2505	2504	2515			
10	2148	2161	2159	2205	2237	2249	2213	2165	2147	2146	2173	2153	2146	2130	2129	2132			
15	1626	1653	1655	1708	1740	1756	1717	1682	1676	1689	1733	1704	1684	1645	1622	1615			
20	1089	1099	1106	1164	1201	1224	1196	1174	1171	1182	1233	1199	1180	1142	1120	1100			
25	644	635	631	684	716	747	742	725	714	708	742	728	721	697	687	667			
30	337	335	326	363	363	398	408	398	380	376	394	395	385	377	380	368			
35	101	122	136	131	108	149	173	155	113	145	179	157	118	146	169	140			
40	50.3	57.2	62.6	60.3	52.5	62.8	67.4	63.2	53.7	61.4	70.2	65.4	54.2	62.8	67.2	59.6			
45	35.7	39.2	45.5	39.8	36.3	41.1	48.2	41.1	37.2	41.6	50.3	41.6	36.6	40.0	47.6	39.4			
50	26.2	28.6	33.9	28.7	26.6	29.6	36.2	29.8	27.5	30.3	37.2	29.4	26.5	28.4	35.4	28.5			
55	18.1	20.8	22.9	20.6	18.3	21.6	25.6	21.8	19.1	22.4	26.6	21.4	18.2	20.9	24.1	20.8			
60	11.8	13.1	15.0	13.2	12.1	13.9	16.5	13.8	12.3	13.8	16.7	13.5	11.8	13.1	15.4	13.1			
65	8.38	9.38	9.61	9.59	8.79	10.1	10.5	10.1	9.02	9.96	10.4	9.71	8.55	9.34	9.67	9.35			
70	5.36	6.17	6.54	6.41	5.72	6.82	7.31	6.82	5.91	6.77	7.21	6.51	5.52	6.19	6.54	6.17			
75	3.28	3.93	4.26	4.11	3.54	4.40	4.79	4.42	3.70	4.38	4.74	4.18	3.42	3.96	4.24	3.90			
80	2.73	3.00	2.96	3.19	2.97	3.36	3.36	3.41	3.09	3.37	3.31	3.22	2.87	3.08	2.99	3.02			
85	1.21	1.28	1.25	1.92	1.86	2.12	1.81	1.62	1.55	1.78	1.96	1.98	1.78	1.83	1.62	1.44			
90	0.10	0.10	0.10	0.09	0.14	0.12	0.10	0.10	0.10	0.08	0.08	0.09	0.11	0.09	0.08	0.08			
95	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.10	0.12	0.09	0.09	0.08	0.10	0.09	0.09	0.09			
100	0.12	0.11	0.12	0.11	0.12	0.11	0.11	0.11	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.10			
105	0.13	0.14	0.14	0.13	0.15	0.13	0.13	0.12	0.13	0.12	0.12	0.12	0.13	0.14	0.13	0.12			
110	0.16	0.16	0.17	0.16	0.19	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.17	0.16	0.15			
115	0.20	0.20	0.22	0.20	0.20	0.20	0.20	0.19	0.17	0.18	0.19	0.18	0.18	0.20	0.20	0.19			
120	0.26	0.27	0.30	0.27	0.26	0.26	0.28	0.26	0.21	0.22	0.23	0.23	0.23	0.24	0.25	0.24			
125	0.39	0.41	0.44	0.42	0.40	0.40	0.41	0.39	0.30	0.31	0.33	0.33	0.32	0.36	0.37	0.35			
130	0.69	0.71	0.75	0.72	0.70	0.69	0.70	0.67	0.50	0.51	0.53	0.55	0.56	0.61	0.62	0.59			
135	1.27	1.26	1.31	1.28	1.27	1.21	1.19	1.17	0.92	0.92	0.93	1.00	1.05	1.11	1.10	1.06			
140	2.17	2.15	2.20	2.14	2.13	2.02	1.95	1.96	1.61	1.61	1.62	1.77	1.88	1.93	1.90	1.85			
145	3.38	3.34	3.36	3.26	3.27	3.05	2.89	2.97	2.56	2.56	2.54	2.83	3.05	3.06	3.00	2.95			
150	4.75	4.74	4.70	4.44	4.40	4.09	3.95	4.01	3.54	3.54	3.62	3.95	4.24	4.23	4.32	4.27			
155	6.18	6.13	5.91	5.42	5.30	4.93	4.85	4.87	4.35	4.48	4.64	4.89	5.21	5.21	5.48	5.68			
160	7.35	7.04	6.35	6.04	5.81	5.34	5.34	5.42	5.08	5.24	5.14	5.33	5.70	5.87	5.98	6.56			
165	7.13	6.89	6.28	6.01	5.66	5.37	5.34	5.45	5.13	5.23	5.20	5.35	5.53	5.82	6.02	6.53			
170	6.32	6.28	6.24	5.89	5.56	5.39	5.17	4.98	4.96	4.91	5.20	5.55	5.56	5.82	6.20	6.08			
175	5.93	6.13	6.10	5.69	5.43	5.38	5.27	5.01	4.86	4.87	5.36	5.59	5.48	5.64	6.04	5.98			
180	5.56	5.61	6.07	5.76	5.77	5.69	5.92	5.58	5.54	5.58	6.05	5.77	5.76	5.70	5.92	5.60			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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