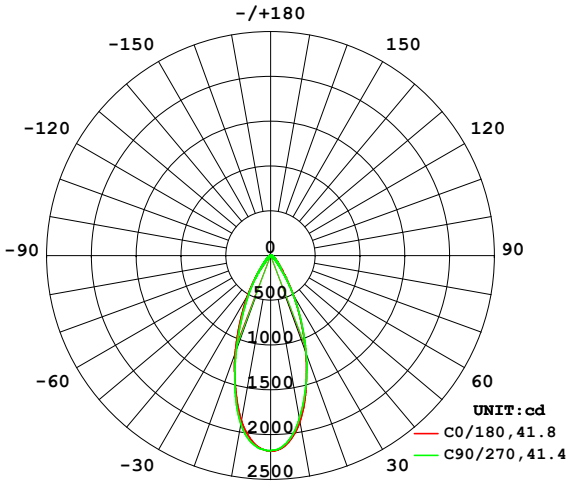
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

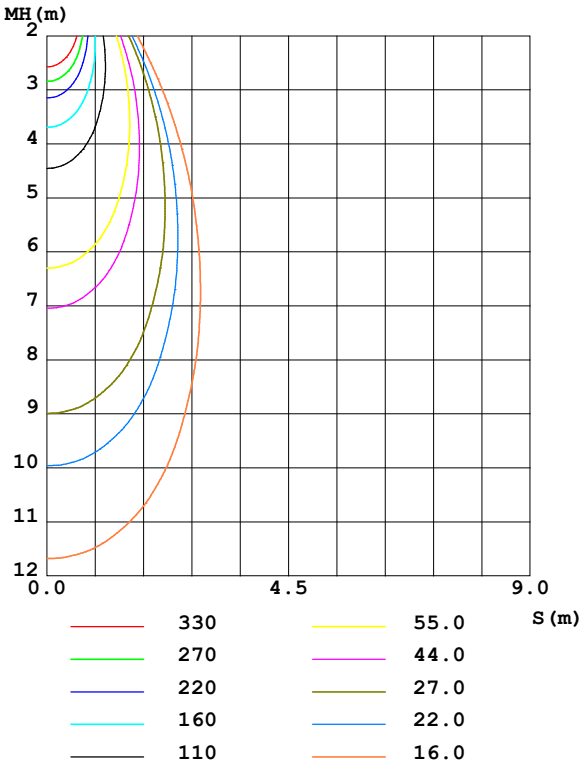
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 90.34 lm/W
MODEL	ASD-CD-TR-3D15AC-WH	Imax(cd)	2183	S/MH(C0/180)	0.67
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.66
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1281.1	η UP,DN(C0-180)	0.4,49.2
NOMINAL FLUX(lm)	1281.05	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,50.1
LAMPS 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



AVERAGE BEAM ANGLE(50%):41.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1887	1817	1849	1830	1874	1927	1914	1915	0- 10	193.6	193.6	15.1,15.1
20	1150	1136	1166	1153	1163	1182	1122	1119	10- 20	419.7	613.3	47.9,47.9
30	512.0	494.6	505.4	509.5	516.0	526.1	476.2	472.4	20- 30	361.2	974.5	76.1,76.1
40	147.1	130.0	134.0	147.1	150.1	166.5	153.8	150.4	30- 40	180.7	1155	90.2,90.2
50	53.45	48.06	49.58	52.35	54.90	62.82	61.70	57.69	40- 50	70.16	1225	95.7,95.7
60	19.47	15.17	15.40	16.84	19.33	24.66	24.48	21.46	50- 60	32.04	1257	98.2,98.2
70	5.031	4.488	4.459	4.876	4.888	5.892	6.013	5.317	60- 70	10.21	1268	98.9,98.9
80	1.805	1.423	1.750	1.917	1.813	2.219	2.362	2.106	70- 80	3.593	1271	99.2,99.2
90	0.0974	0.1085	0.0961	0.0949	0.0946	0.0744	0.1617	0.0736	80- 90	0.8271	1272	99.3,99.3
100	0.1194	0.1201	0.1272	0.1093	0.1375	0.0942	0.1079	0.0978	90-100	0.1032	1272	99.3,99.3
110	0.2172	0.2353	0.2410	0.2142	0.1995	0.1656	0.1818	0.1784	100-110	0.1584	1272	99.3,99.3
120	0.4659	0.5016	0.4972	0.4571	0.3972	0.3541	0.3742	0.3848	110-120	0.2946	1273	99.3,99.3
130	1.181	1.208	1.151	1.082	0.9747	0.9059	0.9755	0.9852	120-130	0.6146	1273	99.4,99.4
140	2.791	2.753	2.580	2.391	2.297	2.213	2.449	2.394	130-140	1.300	1274	99.5,99.5
150	5.187	4.855	4.471	4.117	3.962	3.990	4.352	4.358	140-150	2.143	1277	99.7,99.7
160	6.775	5.842	5.556	5.009	4.970	4.973	5.449	5.436	150-160	2.346	1279	99.8,99.8
170	5.844	5.699	5.506	4.989	4.896	5.272	5.667	5.742	160-170	1.559	1281	100,100
180	5.552	6.083	5.692	5.879	5.555	6.078	5.689	5.903	170-180	0.5213	1281	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

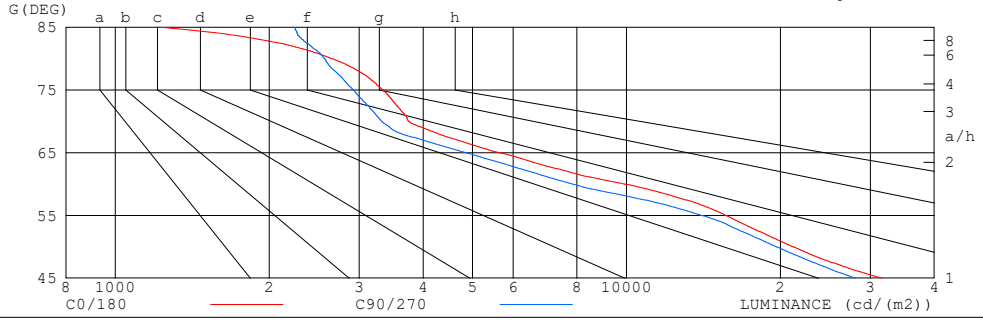
γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz **UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm**		
NAME: ASD-CD-TR-3D15AC-WH	**TYPE:**	**WEIGHT:**
SPEC.: 5000K	**DIM.:**	**SERIAL No.:**
MFR.: ASD Lighting Corp	**SUR.:**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
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
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1274	2295
80	2695	2595
75	3367	2945
70	3772	3344
65	5725	4910
60	10078	7938
55	15768	14191
50	21354	19813
45	31894	28388

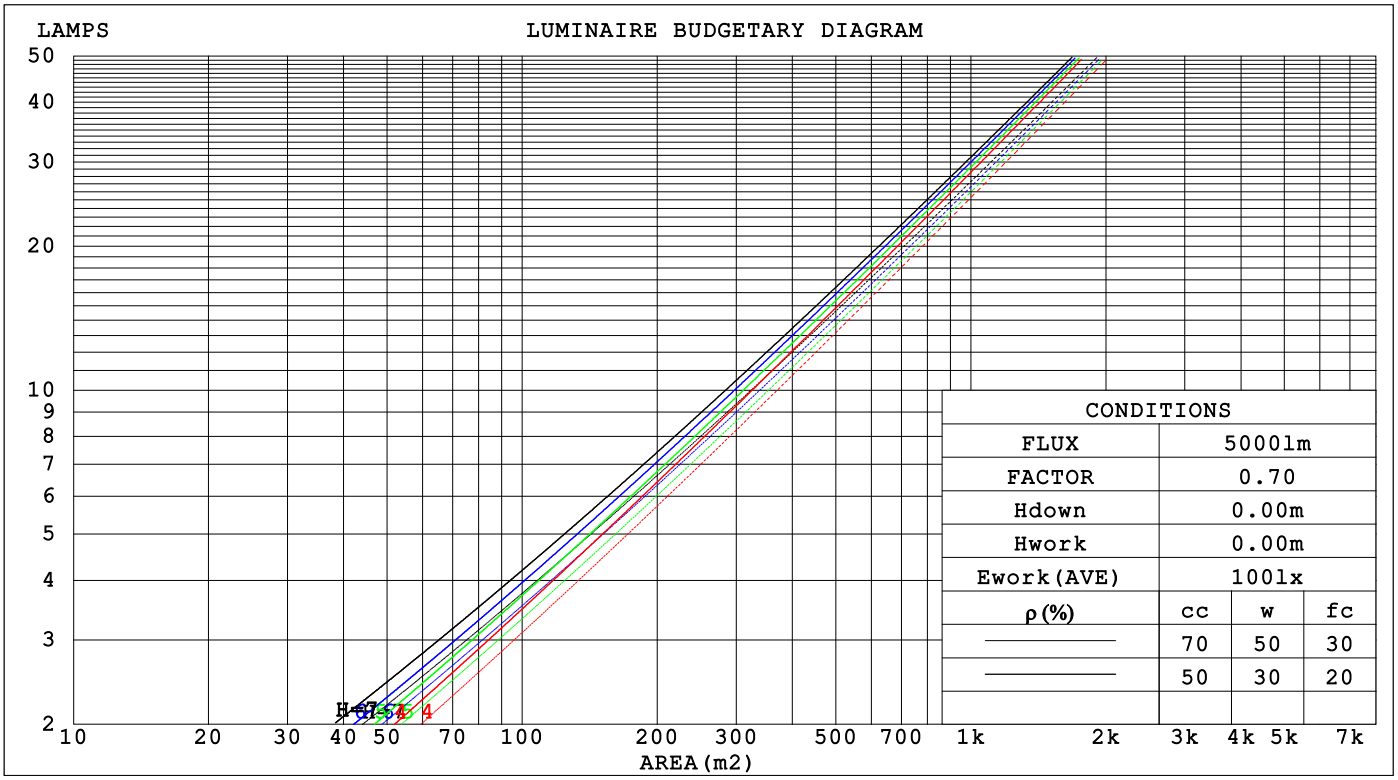
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
Operators:
Test Date:2026-01-08

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

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	1.01	1.01	1.01	.99
1.0	1.11	1.08	1.06	1.09	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.82
4.0	.91	.86	.82	.90	.85	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.86	.80	.76	.85	.79	.76	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72
6.0	.81	.75	.71	.80	.75	.71	.78	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.76	.71	.67	.76	.70	.67	.74	.70	.66	.73	.69	.66	.72	.68	.65	.64
8.0	.73	.67	.63	.72	.67	.63	.71	.66	.63	.70	.65	.62	.69	.65	.62	.61
9.0	.69	.63	.60	.68	.63	.60	.67	.63	.59	.67	.62	.59	.66	.62	.59	.58
10.0	.66	.60	.57	.65	.60	.57	.64	.60	.56	.64	.59	.56	.63	.59	.56	.55



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:

WEC AND CCEC

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

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 Coeffcients(WEC)									
0.0																
1.0	.174	.099	.031	.167	.095	.030	.154	.088	.028	.142	.082	.026	.131	.076	.025	
2.0	.166	.091	.028	.160	.088	.027	.149	.083	.026	.139	.078	.024	.130	.073	.023	
3.0	.157	.084	.025	.152	.082	.025	.143	.078	.024	.134	.074	.023	.126	.070	.022	
4.0	.149	.078	.023	.145	.076	.022	.137	.073	.022	.129	.069	.021	.122	.067	.020	
5.0	.142	.072	.021	.138	.071	.021	.131	.068	.020	.124	.066	.020	.118	.063	.019	
6.0	.135	.068	.019	.132	.066	.019	.125	.064	.019	.120	.062	.018	.114	.060	.018	
7.0	.129	.064	.018	.126	.063	.018	.120	.061	.017	.115	.059	.017	.110	.057	.017	
8.0	.123	.060	.017	.120	.059	.017	.115	.058	.016	.111	.056	.016	.106	.055	.016	
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.016	.107	.053	.015	.103	.052	.015	
10.0	.112	.054	.015	.110	.053	.015	.106	.052	.015	.103	.051	.014	.099	.050	.014	

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	.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	.161	.138	.119	.138	.119	.103	.094	.082	.072	.054	.048	.042	.017	.015	.014	
3.0	.148	.119	.096	.127	.103	.083	.087	.071	.058	.050	.042	.034	.016	.014	.011	
4.0	.138	.104	.079	.118	.090	.068	.081	.063	.048	.047	.037	.028	.015	.012	.009	
5.0	.129	.093	.066	.111	.080	.057	.076	.056	.040	.044	.033	.024	.014	.011	.008	
6.0	.121	.083	.056	.104	.072	.049	.072	.050	.035	.042	.030	.021	.013	.010	.007	
7.0	.114	.076	.048	.098	.066	.042	.068	.046	.030	.040	.027	.018	.013	.009	.006	
8.0	.109	.069	.042	.093	.060	.037	.065	.042	.026	.038	.025	.016	.012	.008	.005	
9.0	.103	.064	.037	.089	.056	.033	.062	.039	.023	.036	.023	.014	.012	.008	.005	
10.0	.099	.060	.034	.085	.052	.029	.059	.036	.021	.034	.022	.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:

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-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	19.1	20.0	19.3	20.2	20.4	18.7	19.6	18.9	19.8	19.9
3H	19.0	19.9	19.3	20.1	20.3	18.6	19.4	18.8	19.6	19.8
4H	19.0	19.8	19.3	20.0	20.2	18.5	19.3	18.8	19.5	19.8
6H	18.9	19.6	19.2	19.9	20.2	18.5	19.2	18.8	19.4	19.7
8H	18.9	19.6	19.2	19.8	20.1	18.4	19.1	18.7	19.4	19.7
12H	18.8	19.5	19.2	19.8	20.1	18.4	19.1	18.7	19.3	19.6
4H 2H	18.9	19.7	19.2	20.0	20.2	18.5	19.3	18.8	19.5	19.8
3H	18.9	19.6	19.2	19.8	20.1	18.4	19.1	18.8	19.4	19.7
4H	18.8	19.4	19.2	19.8	20.1	18.4	19.0	18.7	19.3	19.6
6H	18.8	19.3	19.2	19.7	20.0	18.3	18.9	18.7	19.2	19.6
8H	18.7	19.2	19.1	19.6	20.0	18.3	18.8	18.7	19.2	19.5
12H	18.7	19.1	19.1	19.5	19.9	18.3	18.7	18.7	19.1	19.5
8H 4H	18.7	19.2	19.1	19.6	19.9	18.3	18.8	18.7	19.1	19.5
6H	18.6	19.1	19.1	19.5	19.9	18.2	18.6	18.6	19.0	19.5
8H	18.6	19.0	19.1	19.4	19.9	18.2	18.5	18.6	19.0	19.4
12H	18.6	18.9	19.0	19.3	19.8	18.1	18.4	18.6	18.9	19.4
12H 4H	18.6	19.1	19.1	19.5	19.9	18.2	18.7	18.6	19.1	19.5
6H	18.6	19.0	19.1	19.4	19.8	18.2	18.5	18.6	19.0	19.4
8H	18.6	18.9	19.0	19.3	19.8	18.1	18.4	18.6	18.9	19.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / - 4.0					+ 2.5 / - 4.0				
1.5H	+ 3.9 / - 2.7					+ 3.7 / - 2.6				
2.0H	+ 3.7 / - 4.5					+ 3.5 / - 4.4				

CIE Pub.117, 1281 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.9)
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:

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

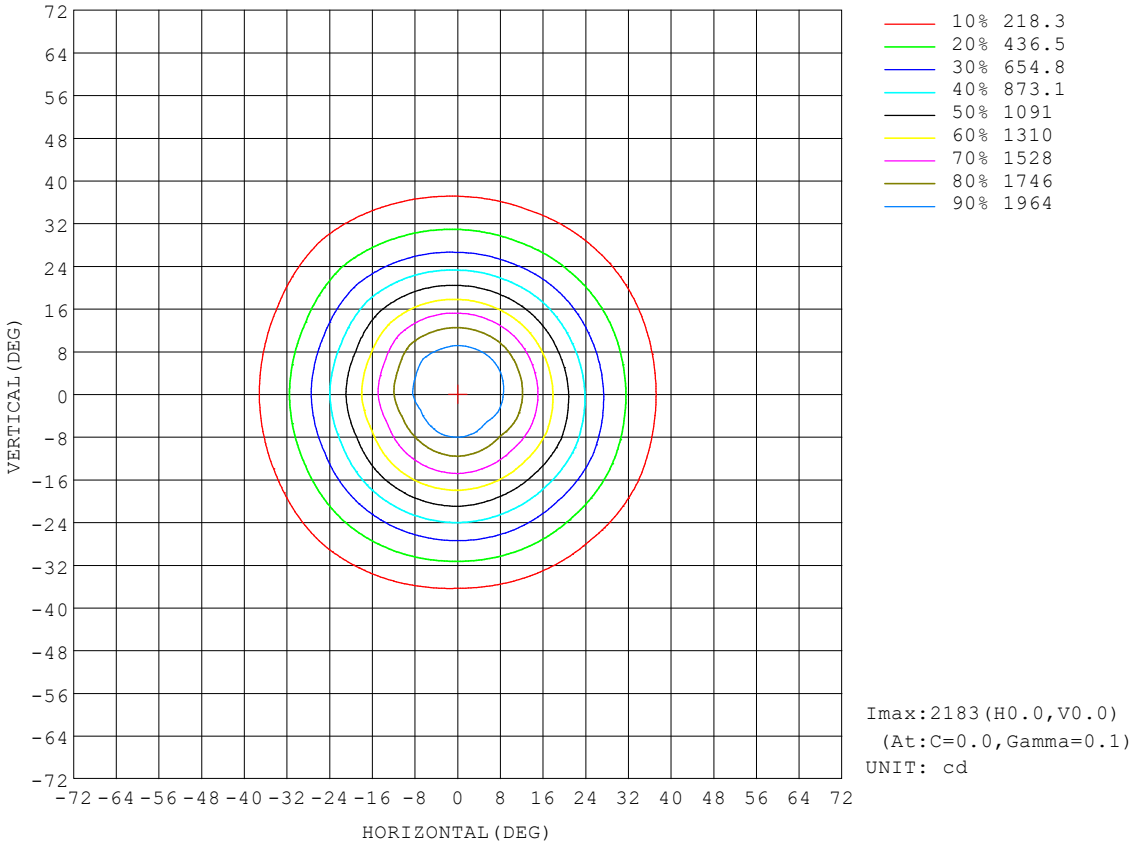
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	85	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	110	106	102	108	104	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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:

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
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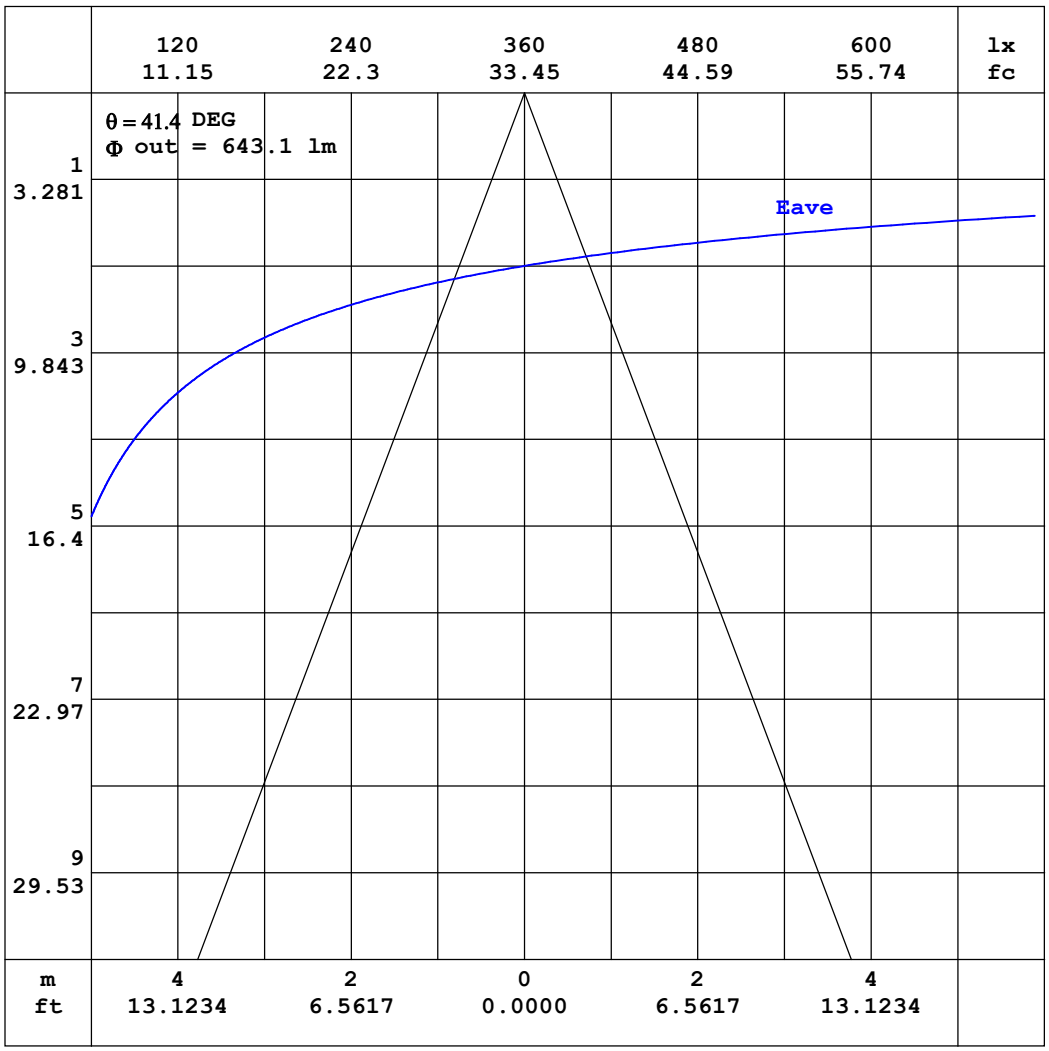


C Range: 0 - 360DEG
C Interval: 22.5DEG
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γ Range: 0 - 180DEG
γ Interval: 0.1DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
Humidity:65.0%
Test Distance:3.087m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



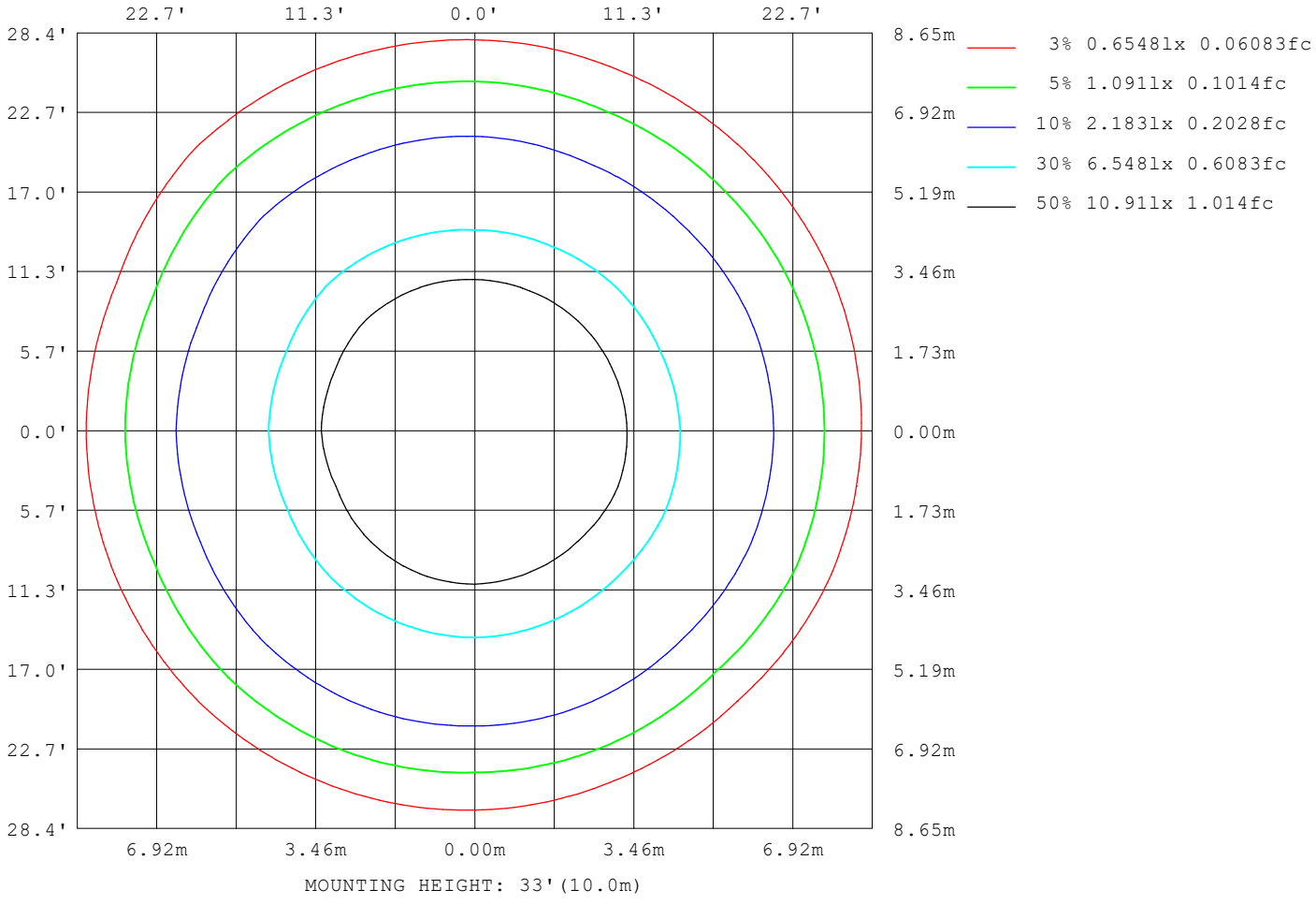
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.3℃
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:

ISOLUX DIAGRAM

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-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℃
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:

LED Avg.L Report

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

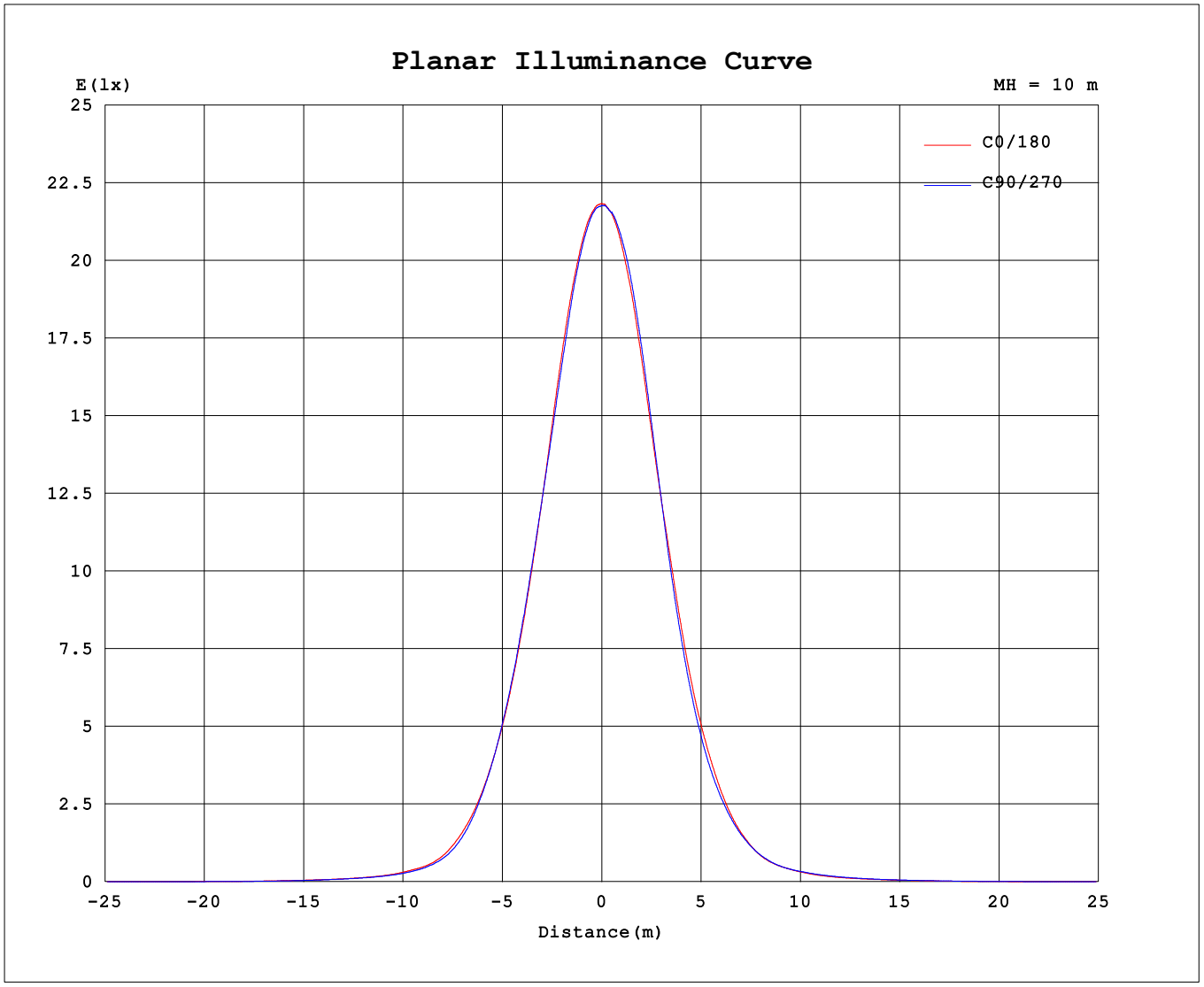
AvgL	cd/m2
L_0~180(65)av	5613
L_0~180(75)av	3285
L_0~180(85)av	1311
L_90~270(65)av	5854
L_90~270(75)av	3344
L_90~270(85)av	2818
L_45(65)av	5726
L_45(75)av	3305
L_45(85)av	1666

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℃
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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.1201A P:14.180W PF:0.9831 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1281.05x1 lm		
NAME: ASD-CD-TR-3D15AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(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	2183	2181	2182	2181	2177	2176	2164	2155	2183	2181	2182	2181	2177	2176	2164	2155			
5	2114	2110	2086	2099	2098	2099	2083	2068	2110	2104	2124	2118	2125	2126	2128	2123			
10	1893	1875	1823	1844	1855	1848	1837	1834	1881	1890	1932	1917	1920	1919	1921	1908			
15	1540	1533	1503	1511	1524	1518	1507	1480	1528	1528	1585	1573	1551	1544	1547	1539			
20	1158	1177	1144	1150	1173	1169	1161	1135	1171	1151	1190	1160	1129	1119	1126	1133			
25	806	818	793	805	818	813	806	785	811	797	821	789	759	750	768	775			
30	517	526	500	508	511	515	515	504	522	506	532	500	481	465	478	502			
35	296	293	267	271	270	284	292	282	294	288	306	293	283	268	272	289			
40	149	145	132	131	136	141	149	150	152	150	169	162	156	151	152	153			
45	88.5	83.5	76.5	76.6	78.8	81.9	86.2	88.5	91.6	94.8	104	99.4	95.9	95.0	94.2	92.8			
50	53.9	51.6	48.4	48.5	50.0	52.4	52.8	53.9	55.4	57.4	63.4	62.0	62.2	60.7	58.2	56.1			
55	35.5	34.1	31.3	30.8	32.0	33.6	34.4	35.1	36.4	37.7	40.9	40.3	40.2	38.8	37.7	36.3			
60	19.8	18.1	15.4	15.0	15.6	16.5	17.1	17.9	19.7	22.0	25.0	24.8	24.8	23.3	21.8	20.3			
65	9.50	8.87	7.91	7.80	8.15	8.64	8.94	9.18	9.40	10.3	11.6	11.7	11.5	10.8	10.1	9.60			
70	5.06	4.83	4.52	4.45	4.49	4.70	4.91	5.07	4.94	5.33	5.96	6.09	6.09	5.67	5.38	5.08			
75	3.42	3.23	2.88	2.90	2.99	3.18	3.35	3.47	3.31	3.50	3.77	3.85	3.87	3.69	3.57	3.41			
80	1.84	1.63	1.44	1.59	1.77	1.83	1.95	2.02	1.84	1.96	2.25	2.37	2.39	2.24	2.13	1.90			
85	0.44	0.29	0.39	0.59	0.79	0.62	0.46	0.60	0.50	0.54	0.82	1.07	1.18	0.97	0.71	0.44			
90	0.10	0.10	0.11	0.11	0.10	0.10	0.09	0.08	0.09	0.08	0.08	0.08	0.17	0.08	0.07	0.08			
95	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.10	0.11	0.08	0.08	0.08	0.09	0.08	0.08	0.08			
100	0.12	0.12	0.12	0.13	0.13	0.12	0.11	0.11	0.14	0.10	0.09	0.10	0.11	0.10	0.10	0.10			
105	0.15	0.15	0.16	0.18	0.17	0.16	0.15	0.15	0.16	0.13	0.12	0.13	0.14	0.13	0.13	0.13			
110	0.22	0.22	0.23	0.24	0.24	0.22	0.21	0.21	0.20	0.18	0.16	0.17	0.18	0.18	0.18	0.18			
115	0.31	0.32	0.34	0.34	0.34	0.32	0.31	0.31	0.27	0.25	0.24	0.24	0.25	0.26	0.25	0.26			
120	0.47	0.47	0.50	0.50	0.50	0.47	0.45	0.46	0.40	0.37	0.35	0.36	0.37	0.38	0.38	0.39			
125	0.74	0.73	0.77	0.76	0.74	0.71	0.69	0.71	0.60	0.59	0.55	0.57	0.59	0.60	0.60	0.60			
130	1.17	1.16	1.20	1.18	1.14	1.09	1.07	1.12	0.96	0.96	0.90	0.94	0.96	0.98	0.97	0.97			
135	1.84	1.81	1.85	1.79	1.74	1.67	1.64	1.71	1.51	1.53	1.45	1.52	1.57	1.59	1.56	1.54			
140	2.77	2.73	2.73	2.62	2.56	2.44	2.37	2.55	2.28	2.35	2.20	2.33	2.43	2.42	2.38	2.38			
145	3.92	3.85	3.77	3.59	3.53	3.34	3.24	3.40	3.16	3.19	3.07	3.26	3.44	3.39	3.35	3.41			
150	5.16	5.07	4.83	4.53	4.46	4.18	4.10	4.31	3.95	4.05	3.98	4.14	4.34	4.28	4.34	4.53			
155	6.30	6.17	5.63	5.22	5.17	4.79	4.75	5.10	4.72	4.82	4.66	4.80	5.05	4.97	5.13	5.56			
160	6.77	6.54	5.84	5.60	5.55	5.13	5.01	5.27	4.97	5.03	4.97	5.17	5.44	5.49	5.43	5.98			
165	6.53	6.29	5.73	5.64	5.43	5.22	4.99	5.06	4.95	5.10	5.19	5.37	5.49	5.60	5.48	5.87			
170	5.86	5.65	5.69	5.59	5.51	5.32	4.98	4.70	4.91	4.90	5.27	5.65	5.67	5.68	5.73	5.45			
175	5.73	5.91	5.82	5.46	5.37	5.30	5.28	4.90	4.86	5.02	5.53	5.69	5.60	5.55	5.81	5.69			
180	5.56	5.66	6.09	5.78	5.69	5.64	5.88	5.51	5.55	5.65	6.07	5.79	5.70	5.65	5.92	5.52			

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