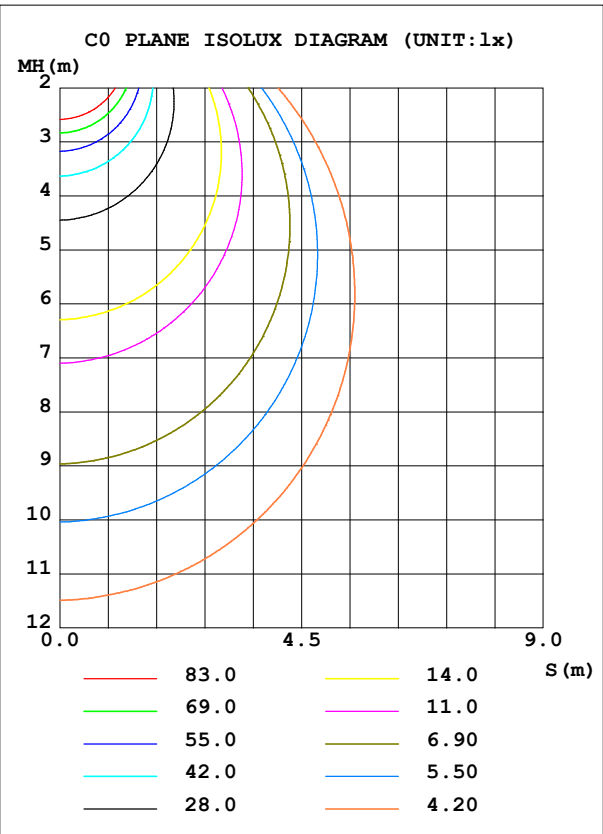
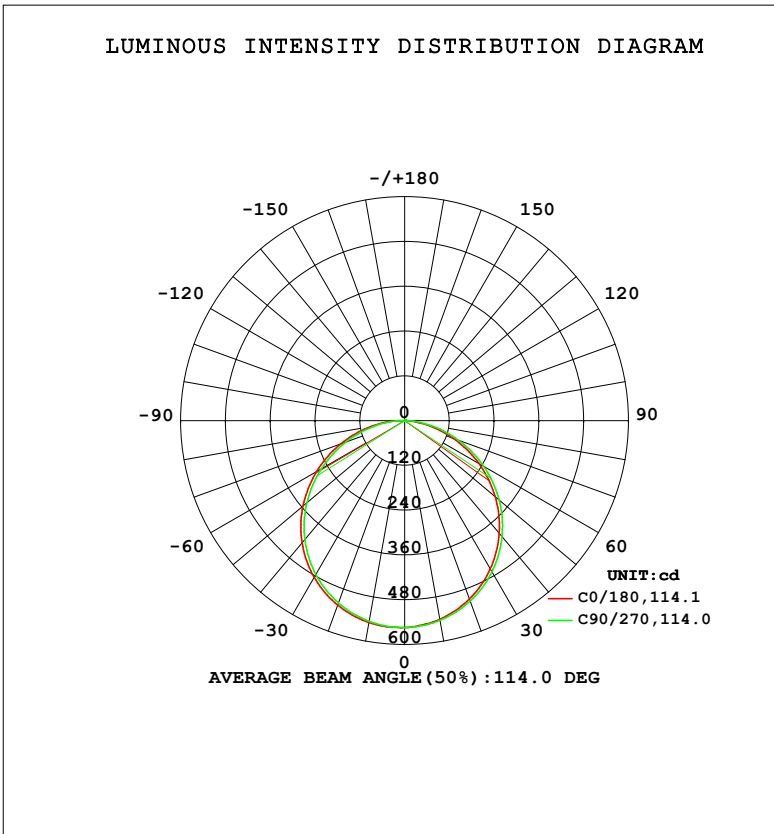


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.64 lm/W
MODEL	BRMF09LAJD4WH_4000K	I <sub>max</sub> (cd)	554.8	S/MH (C0/180)	1.30	
NOMINAL POWER (W)	18	LOR (%)	100.0	S/MH (C90/270)	1.28	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1629.3	η UP, DN (C0-180)	0.1, 47.6	
NOMINAL FLUX (lm)	1629.3	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 52.1	
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120	η down (%)	99.7	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity: 65.0%  
 Test Distance: 8.800m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

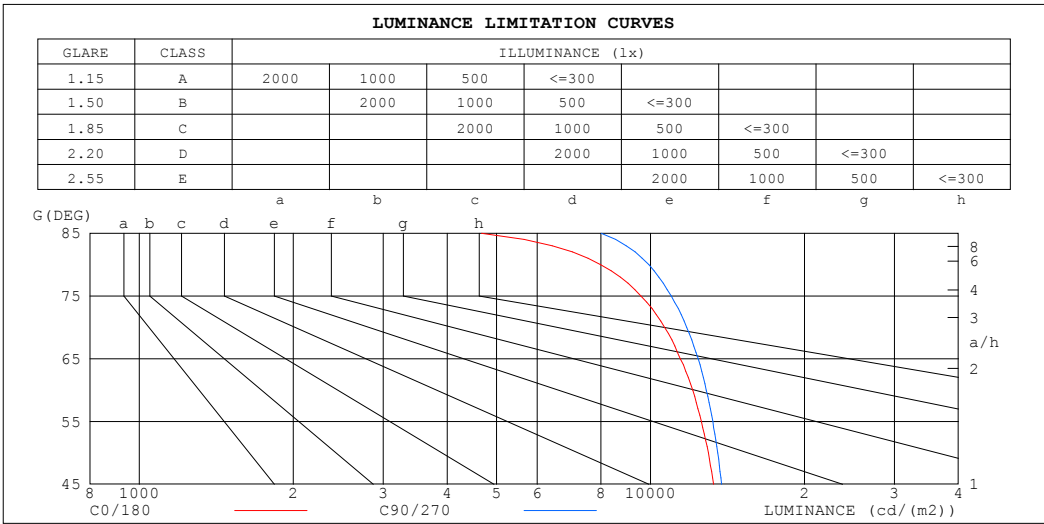
$\gamma$	C0	C90	C180	C270					$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	540.6	543.4	549.5	546.1					0- 10	52.46	52.46	3.22,3.22
20	508.3	514.4	526.0	519.9					10- 20	150.5	203.0	12.5,12.5
30	459.1	468.1	485.0	476.1					20- 30	228.9	431.9	26.5,26.5
40	394.5	405.8	427.4	416.0					30- 40	277.4	709.3	43.5,43.5
50	316.9	330.4	356.2	342.2					40- 50	289.3	998.6	61.3,61.3
60	229.7	244.2	272.5	257.4					50- 60	263.3	1262	77.4,77.4
70	138.5	153.0	182.0	166.9					60- 70	203.6	1465	89.9,89.9
80	52.67	65.50	91.99	78.30					70- 80	121.8	1587	97.4,97.4
90	0.3429	0.1711	13.98	3.531					80- 90	37.27	1624	99.7,99.7
100	0.2717	0.2101	0.1770	0.2589					90-100	0.8562	1625	99.8,99.8
110	0.3865	0.4255	0.3980	0.3920					100-110	0.3173	1626	99.8,99.8
120	0.5910	0.6410	0.6357	0.6296					110-120	0.5054	1626	99.8,99.8
130	0.7844	0.8289	0.8678	0.8561					120-130	0.6530	1627	99.8,99.8
140	0.9391	0.9891	1.067	1.050					130-140	0.7131	1628	99.9,99.9
150	1.083	1.122	1.238	1.221					140-150	0.6831	1628	99.9,99.9
160	1.238	1.271	1.409	1.381					150-160	0.5755	1629	100,100
170	1.392	1.415	1.542	1.508					160-170	0.3935	1629	100,100
180	1.547	1.547	1.580	1.564					170-180	0.1436	1629	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4669	8005
80	7982	9927
75	9580	10988
70	10658	11771
65	11437	12388
60	12086	12855
55	12578	13236
50	12974	13528
45	13285	13764

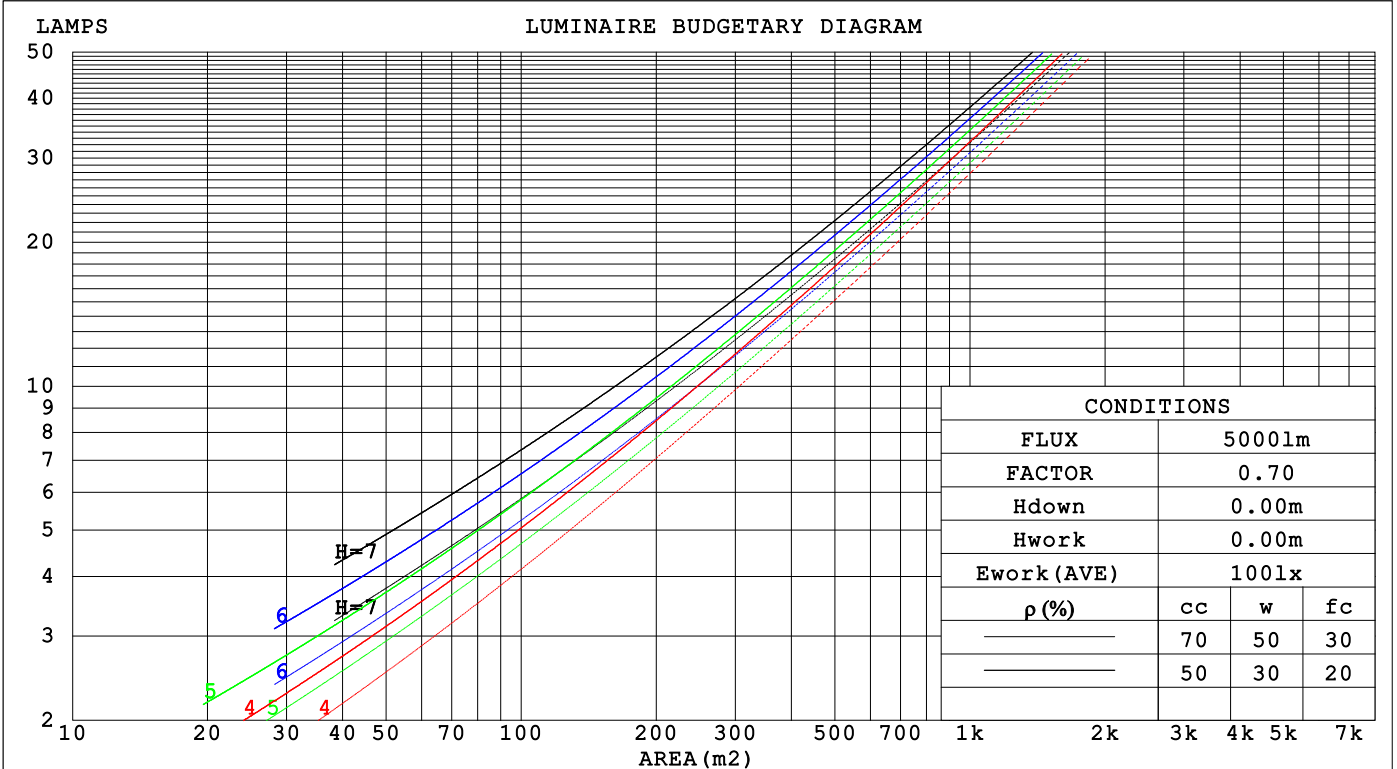
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.37	.30	.25	.36	.30	.25	.24



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz		
Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.317	.180	.057	.310	.177	.056	.297	.170	.054	.284	.164	.053	.273	.158	.051	
2.0	.297	.163	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.146	.046	
3.0	.274	.146	.044	.268	.143	.043	.257	.139	.042	.248	.136	.042	.239	.132	.041	
4.0	.252	.131	.038	.247	.129	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.232	.118	.034	.228	.117	.034	.220	.114	.034	.212	.112	.033	.205	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.105	.030	.197	.102	.030	.191	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.148	.075	.021	

$\rho_{CC}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.183	.158	.136	.157	.136	.117	.107	.093	.081	.062	.054	.047	.020	.017	.015	
2.0	.175	.134	.100	.150	.116	.086	.103	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.167	.117	.076	.144	.101	.066	.099	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.103	.060	.137	.089	.052	.094	.062	.037	.055	.036	.022	.018	.012	.007	
5.0	.152	.093	.049	.131	.080	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.085	.041	.125	.073	.036	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.035	.119	.067	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.113	.062	.027	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.126	.067	.027	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.103	.054	.022	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz										
Lamp Flux:1629.3x1 lm										
NAME:			TYPE:				WEIGHT:			
SPEC.:			DIM.:				SERIAL No.: 4000K			
MFR.:			SUR.: 0.225				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	21.5	23.0	21.7	23.2	23.4	21.7	23.2	22.0	23.4	23.6
3H	22.9	24.3	23.2	24.5	24.8	23.2	24.6	23.5	24.9	25.1
4H	23.4	24.8	23.7	25.0	25.3	23.8	25.2	24.1	25.4	25.7
6H	23.8	25.0	24.1	25.3	25.6	24.3	25.5	24.6	25.8	26.1
8H	23.9	25.1	24.2	25.4	25.7	24.4	25.6	24.8	25.9	26.2
12H	23.9	25.1	24.2	25.4	25.7	24.5	25.7	24.8	26.0	26.3
4H 2H	22.1	23.4	22.4	23.7	24.0	22.3	23.6	22.6	23.9	24.1
3H	23.7	24.9	24.1	25.2	25.5	24.0	25.1	24.3	25.4	25.8
4H	24.4	25.4	24.7	25.8	26.1	24.7	25.8	25.1	26.1	26.4
6H	24.8	25.8	25.2	26.1	26.5	25.3	26.2	25.7	26.6	27.0
8H	24.9	25.8	25.4	26.2	26.6	25.5	26.4	25.9	26.7	27.1
12H	25.0	25.8	25.4	26.2	26.6	25.6	26.4	26.0	26.8	27.2
8H 4H	24.6	25.5	25.0	25.9	26.3	24.9	25.8	25.3	26.2	26.6
6H	25.2	26.0	25.7	26.4	26.8	25.6	26.4	26.1	26.8	27.2
8H	25.4	26.1	25.9	26.5	27.0	25.9	26.6	26.4	27.0	27.5
12H	25.5	26.1	26.0	26.5	27.0	26.1	26.7	26.6	27.1	27.6
12H 4H	24.6	25.5	25.1	25.9	26.3	24.9	25.8	25.4	26.1	26.6
6H	25.3	25.9	25.7	26.4	26.8	25.7	26.3	26.1	26.8	27.2
8H	25.5	26.1	26.0	26.5	27.0	26.0	26.6	26.5	27.0	27.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117, 1629 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.7)  
 Area: 0.038 m2

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

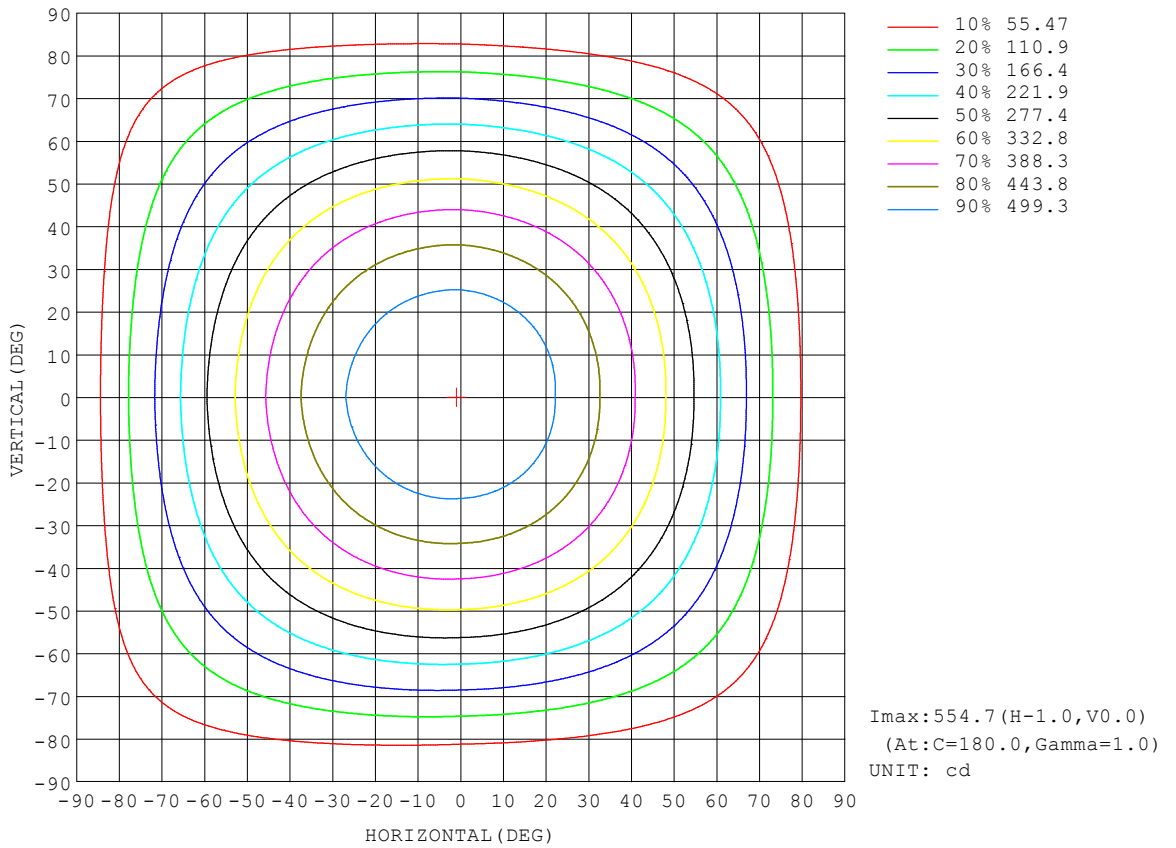
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

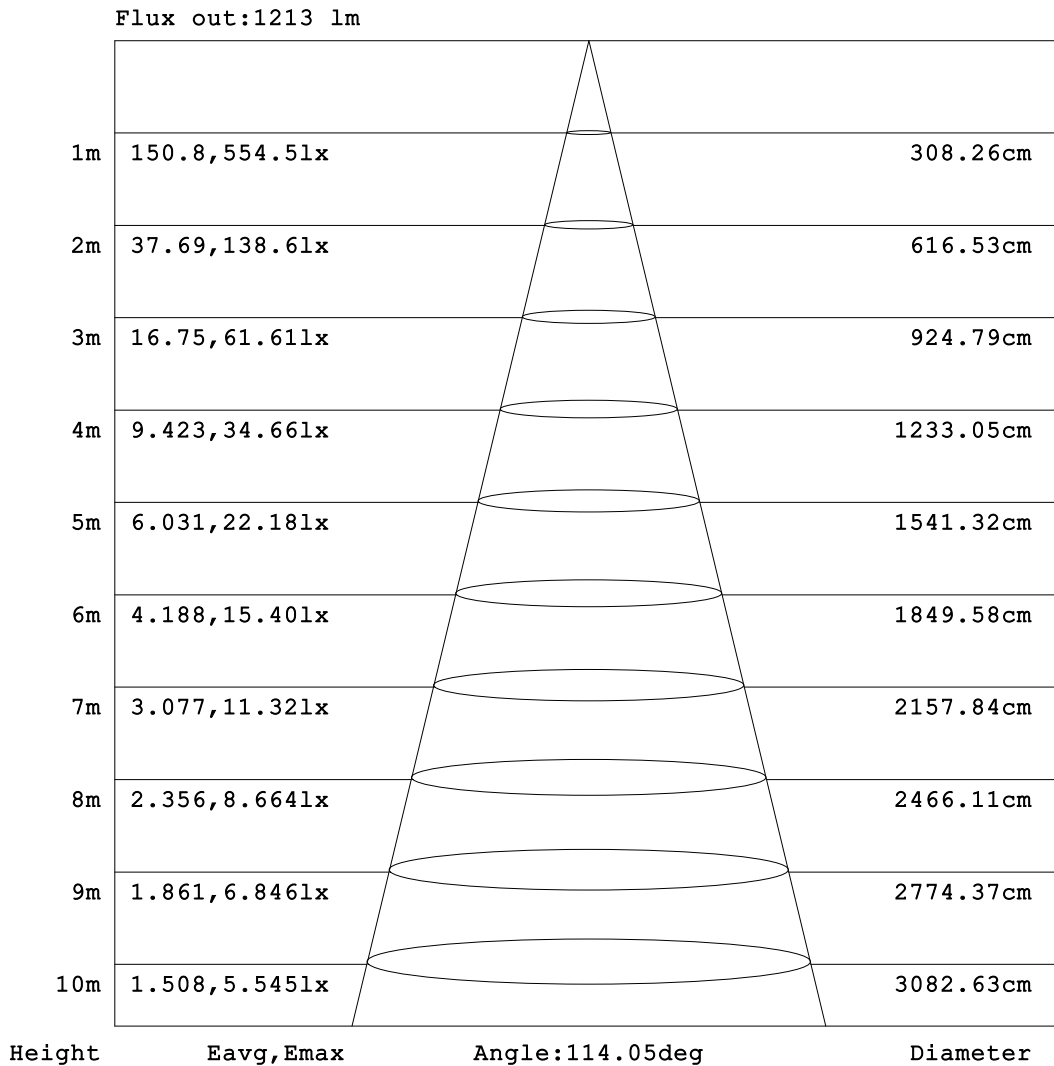


C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2025-12-05

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity: 65.0%  
Test Distance: 8.800m [K=1.0000]  
Remarks:

**AAI Figure**

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:



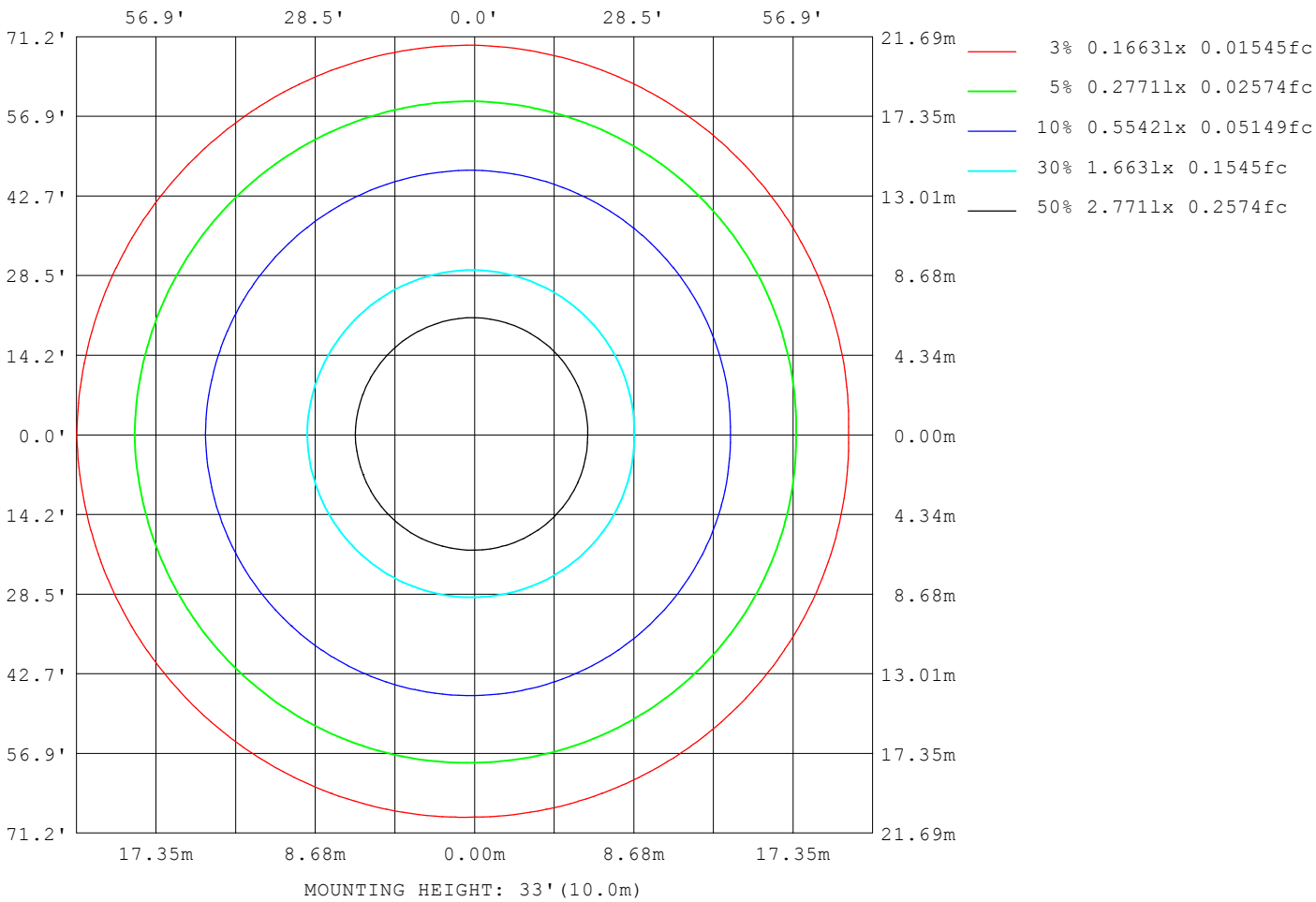
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity: 65.0%  
 Test Distance: 8.800m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

## LED Avg.L Report

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

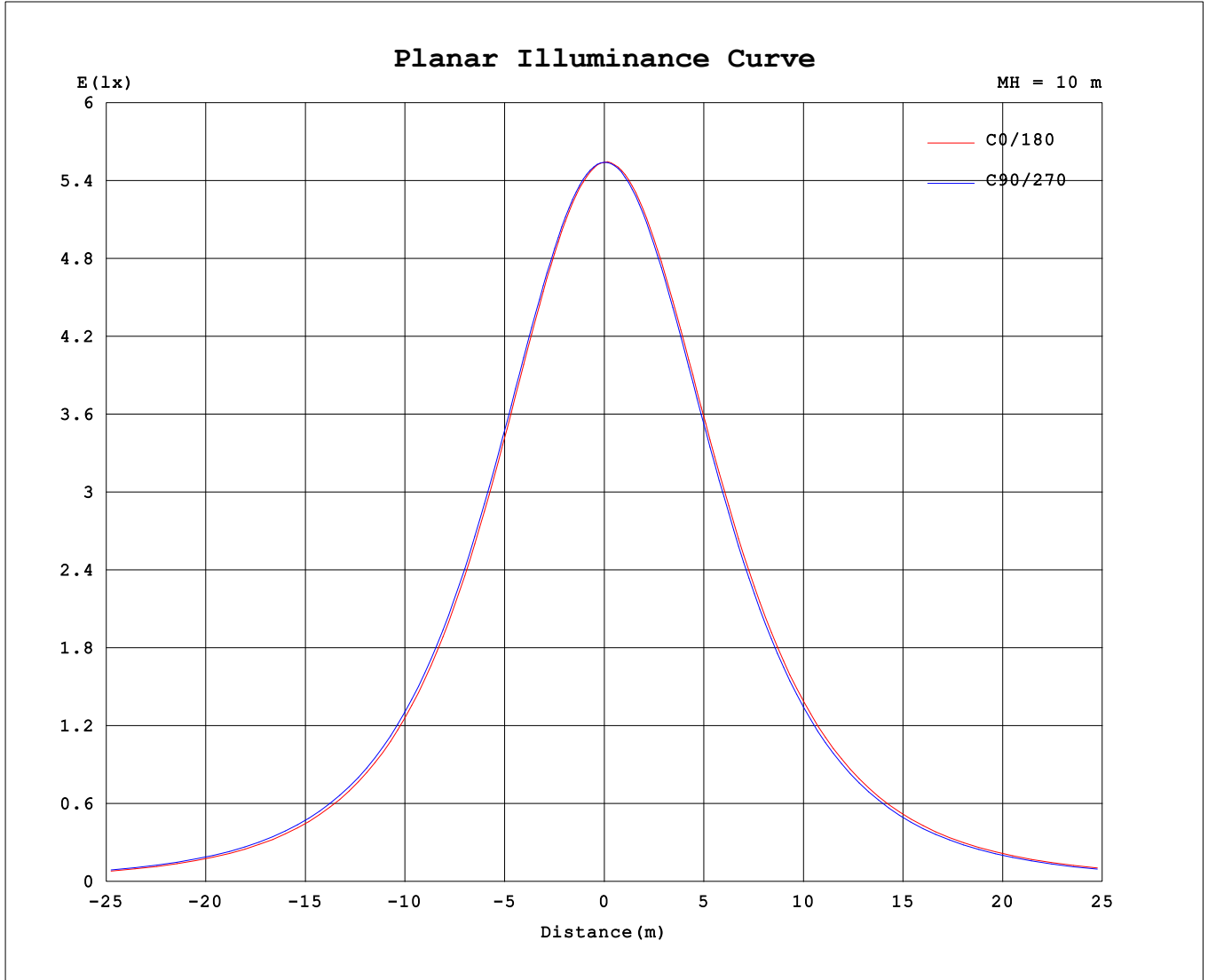
AvgL	cd/m2
L_0~180 (65) av	12811
L_0~180 (75) av	11725
L_0~180 (85) av	10001
L_90~270 (65) av	12810
L_90~270 (75) av	11682
L_90~270 (85) av	9622
L_45 (65) av	12896
L_45 (75) av	11832
L_45 (85) av	10097

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2025-12-05

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
Humidity:65.0%  
Test Distance:8.800m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.1440A P:17.035W PF:0.9860 Freq:59.98Hz Lamp Flux:1629.3x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 4000K
MFR.:	SUR.: 0.225	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270															
0	554	554	554	554															
5	549	551	554	553															
10	541	543	550	546															
15	527	531	540	535															
20	508	514	526	520															
25	486	493	507	500															
30	459	468	485	476															
35	429	439	458	448															
40	394	406	427	416															
45	357	370	393	381															
50	317	330	356	342															
55	274	288	316	301															
60	230	244	272	257															
65	184	199	228	213															
70	139	153	182	167															
75	94.2	108	136	122															
80	52.7	65.5	92.0	78.3															
85	15.5	26.5	50.8	37.2															
90	0.34	0.17	14.0	3.53															
95	0.28	0.14	1.11	0.27															
100	0.27	0.21	0.18	0.26															
105	0.28	0.32	0.28	0.28															
110	0.39	0.43	0.40	0.39															
115	0.49	0.53	0.52	0.50															
120	0.59	0.64	0.64	0.63															
125	0.70	0.73	0.75	0.74															
130	0.78	0.83	0.87	0.86															
135	0.86	0.91	0.97	0.96															
140	0.94	0.99	1.07	1.05															
145	1.01	1.06	1.15	1.15															
150	1.08	1.12	1.24	1.22															
155	1.17	1.19	1.34	1.31															
160	1.24	1.27	1.41	1.38															
165	1.31	1.34	1.48	1.45															
170	1.39	1.41	1.54	1.51															
175	1.49	1.49	1.57	1.56															
180	1.55	1.55	1.58	1.56															

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025-12-05

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.454  
 Humidity:65.0%  
 Test Distance:8.800m [K=1.0000]  
 Remarks:

Photometric Data Table [cd]

G/C	0.0	90.0	180.0	270.0
0.0	554.2	554.2	554.2	554.2
3.0	552.1	552.9	554.5	553.8
6.0	548.0	550.1	553.7	551.6
9.0	542.7	545.3	550.8	547.9
12.0	535.4	538.9	546.1	542.3
15.0	526.7	530.9	540.0	535.2
18.0	516.3	521.4	532.2	526.5
21.0	504.3	510.4	522.6	516.1
24.0	490.8	497.8	511.7	504.2
27.0	475.9	483.7	499.0	490.9
30.0	459.1	468.1	485.0	476.1
33.0	441.2	451.0	469.7	459.6
36.0	422.3	432.4	452.6	441.9
39.0	401.6	412.8	434.0	422.6
42.0	379.9	391.8	414.3	402.2
45.0	357.0	369.8	393.4	380.7
48.0	333.1	346.4	371.2	357.9
51.0	308.5	322.1	348.0	334.1
54.0	282.6	296.8	323.0	309.5
57.0	256.3	271.0	298.4	283.7
60.0	229.7	244.2	272.5	257.4
63.0	202.2	217.1	245.9	230.7
66.0	174.5	189.6	218.7	203.4
69.0	147.7	162.1	191.3	175.9
72.0	120.5	134.8	163.7	148.9
75.0	94.23	108.1	136.4	121.7
78.0	68.95	81.99	109.6	95.31
81.0	44.86	57.25	83.64	70.05
84.0	22.47	33.92	58.69	45.07
87.0	3.183	12.57	35.46	22.37
90.0	0.3429	0.1711	13.98	3.531
93.0	0.2985	0.1326	1.589	0.2820
96.0	0.2763	0.1438	0.8775	0.2488
99.0	0.2697	0.1880	0.1659	0.2555
102.0	0.2757	0.2543	0.2212	0.2658
105.0	0.2817	0.3206	0.2821	0.2761
108.0	0.3478	0.3814	0.3429	0.3422
111.0	0.4141	0.4422	0.4146	0.4087
114.0	0.4695	0.5140	0.4811	0.4859
117.0	0.5302	0.5747	0.5583	0.5524
120.0	0.5910	0.6410	0.6357	0.6296
123.0	0.6519	0.6963	0.7020	0.6904
126.0	0.7181	0.7571	0.7737	0.7623
129.0	0.7679	0.8178	0.8457	0.8285
132.0	0.8175	0.8619	0.9118	0.8948
135.0	0.8618	0.9063	0.9671	0.9557
138.0	0.9115	0.9559	1.028	1.011
141.0	0.9502	1.006	1.078	1.072
144.0	0.9890	1.033	1.144	1.138
147.0	1.033	1.083	1.188	1.182
150.0	1.083	1.122	1.238	1.221
153.0	1.133	1.160	1.299	1.276
156.0	1.177	1.216	1.348	1.320
159.0	1.226	1.254	1.404	1.370
162.0	1.265	1.304	1.442	1.420
165.0	1.309	1.337	1.481	1.453
168.0	1.354	1.381	1.531	1.486
171.0	1.403	1.431	1.558	1.514
174.0	1.475	1.481	1.569	1.541
177.0	1.497	1.514	1.580	1.564
180.0	1.547	1.547	1.580	1.564

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γ Range: 0 - 180DEG  
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