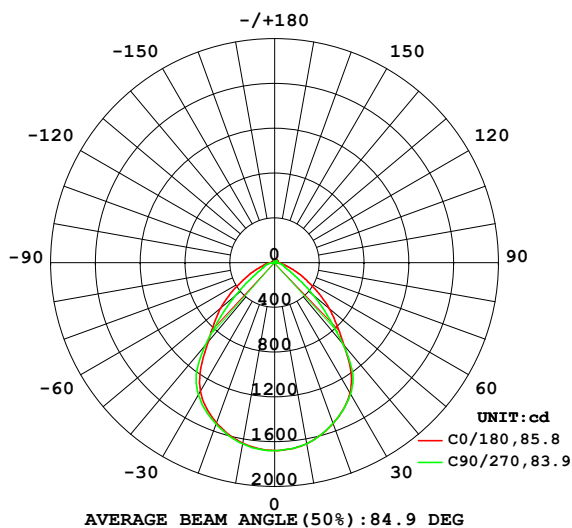


LUMINAIRE PHOTOMETRIC TEST REPORT

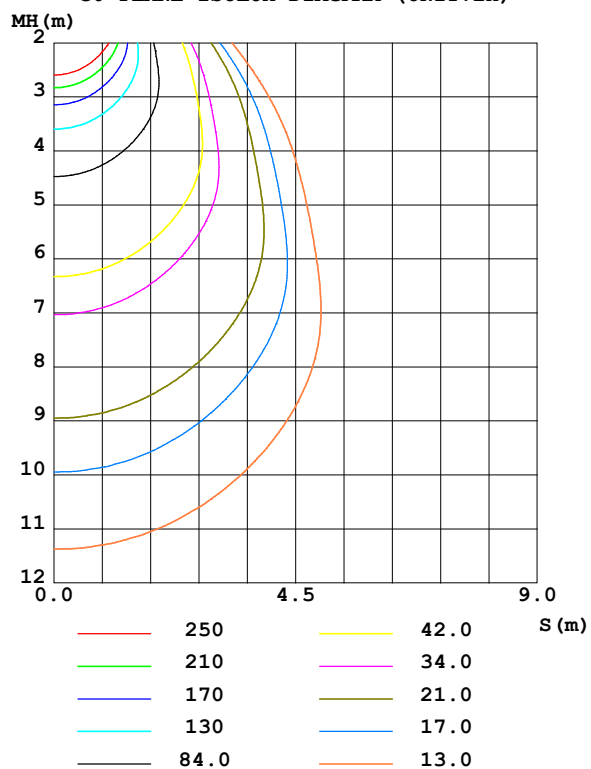
Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 130.08 lm/W
MODEL		I _{max} (cd)	1679	S/MH(C0/180)	1.18	
NOMINAL POWER(W)	25.6	LOR(%)	100.0	S/MH(C90/270)	1.20	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3321.5	η UP,DN(C0-180)	1.7,48.3	
NOMINAL FLUX(lm)	3321.53	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,48.3	
LAMPS INSIDE	1	η up (%)	3.4	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	230	η down (%)	96.6	CIBSE SHR MAX	1.15	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [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	1642	1642	1643	1640	1637	1641	1645	1640	0- 10	158.5	158.5	4.77,4.77
20	1529	1523	1527	1525	1521	1527	1534	1528	10- 20	448.7	607.2	18.3,18.3
30	1348	1341	1357	1336	1326	1339	1363	1344	20- 30	665.3	1272	38.3,38.3
40	967.0	945.8	948.1	917.8	928.9	931.5	966.2	932.5	30- 40	729.3	2002	60.3,60.3
50	637.3	546.4	449.7	514.0	629.7	547.7	457.3	513.2	40- 50	553.3	2555	76.9,76.9
60	349.7	257.8	159.2	238.0	344.2	253.8	175.2	237.6	50- 60	339.7	2895	87.2,87.2
70	159.5	142.9	87.28	133.6	165.0	133.3	100.2	139.2	60- 70	179.5	3074	92.6,92.6
80	70.72	58.77	42.22	64.33	79.14	68.57	46.86	61.25	70- 80	99.61	3174	95.6,95.6
90	26.82	16.32	1.750	18.58	30.02	19.11	1.484	16.19	80- 90	35.48	3209	96.6,96.6
100	19.72	13.87	3.255	16.48	23.81	16.33	2.738	13.41	90-100	15.43	3225	97.1,97.1
110	20.38	15.49	6.004	16.64	22.68	16.48	5.171	14.84	100-110	15.08	3240	97.5,97.5
120	22.20	17.78	9.447	17.87	22.87	17.28	8.404	16.75	110-120	15.48	3255	98,98
130	24.38	20.44	13.23	20.06	23.93	19.27	12.07	19.32	120-130	15.98	3271	98.5,98.5
140	25.97	22.44	16.81	21.97	25.03	21.25	15.63	21.57	130-140	15.67	3287	99,99
150	27.02	23.25	20.23	23.63	25.65	22.77	19.12	22.66	140-150	13.85	3301	99.4,99.4
160	27.70	24.38	23.77	24.41	26.16	23.83	22.89	23.46	150-160	11.01	3312	99.7,99.7
170	27.27	25.61	26.42	26.07	25.98	25.91	26.21	25.51	160-170	7.158	3319	99.9,99.9
180	27.82	27.19	27.49	27.22	27.83	27.18	27.48	27.27	170-180	2.530	3322	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2304.8 lm

%lum = 69.4%

%lamp = 69.4%

Conical surface Flux(120deg): 2894.8 lm

%lum = 87.2%

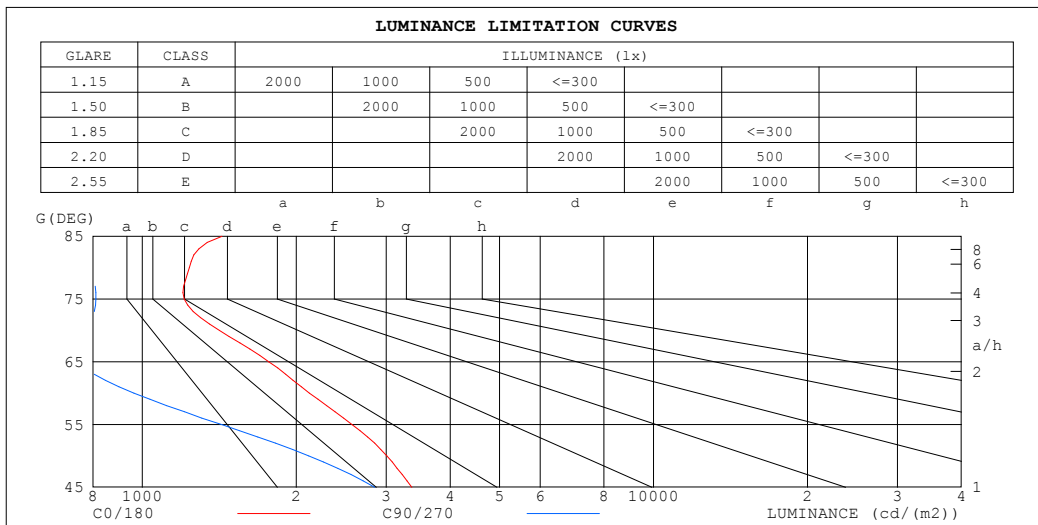
%lamp = 87.2%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2025-02-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



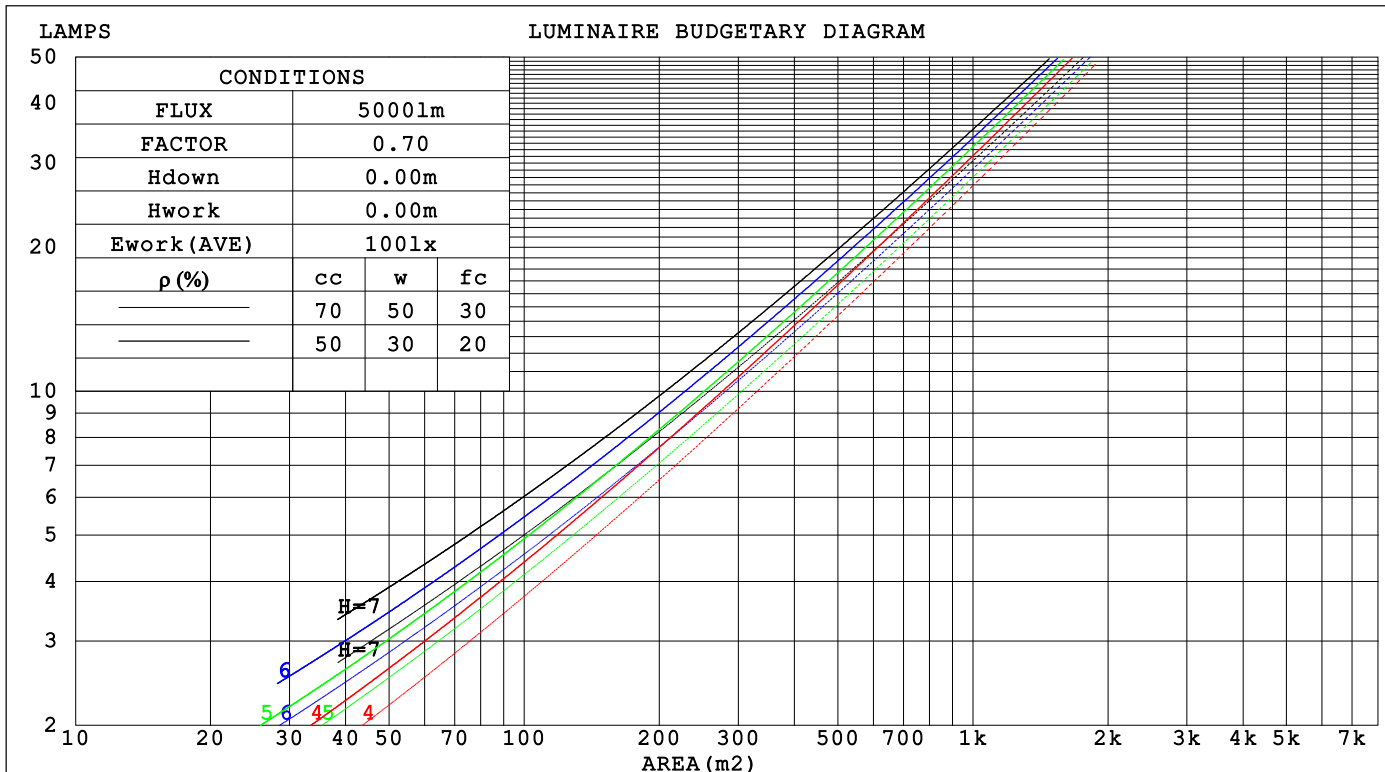
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.06	1.03	.99	1.03	1.00	.97	.99	.96	.94	.94	.92	.90	.90	.89	.87	.85
2.0	.95	.89	.85	.93	.88	.83	.89	.85	.81	.85	.82	.79	.82	.79	.76	.74
3.0	.85	.78	.73	.84	.77	.72	.80	.75	.70	.77	.73	.69	.74	.71	.67	.65
4.0	.77	.70	.64	.76	.69	.63	.73	.67	.62	.70	.65	.61	.68	.63	.60	.58
5.0	.70	.62	.56	.69	.61	.56	.66	.60	.55	.64	.59	.54	.62	.57	.53	.51
6.0	.64	.56	.50	.63	.55	.50	.61	.54	.49	.59	.53	.49	.57	.52	.48	.46
7.0	.59	.51	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.53	.47	.43	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.41	.37	.47	.41	.37	.45	.40	.36	.34
10.0	.46	.39	.34	.46	.39	.34	.44	.38	.34	.43	.38	.34	.42	.37	.33	.32



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	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	.253	.144	.046	.245	.140	.044	.230	.132	.042	.216	.125	.040	.204	.118	.038		
2.0	.241	.132	.040	.234	.129	.040	.221	.123	.038	.209	.117	.037	.198	.112	.035		
3.0	.226	.120	.036	.220	.118	.036	.209	.113	.034	.198	.109	.033	.188	.104	.032		
4.0	.212	.110	.032	.207	.108	.032	.197	.104	.031	.187	.101	.030	.178	.097	.030		
5.0	.199	.101	.029	.194	.100	.029	.185	.096	.028	.177	.093	.028	.169	.090	.027		
6.0	.187	.094	.027	.183	.092	.027	.175	.090	.026	.167	.087	.026	.160	.084	.025		
7.0	.176	.087	.025	.172	.086	.024	.165	.083	.024	.158	.081	.024	.152	.079	.023		
8.0	.166	.081	.023	.163	.080	.023	.156	.078	.022	.150	.076	.022	.144	.074	.022		
9.0	.157	.076	.021	.154	.075	.021	.148	.073	.021	.142	.071	.020	.137	.070	.020		
10.0	.149	.071	.020	.146	.071	.020	.141	.069	.019	.135	.067	.019	.130	.066	.019		

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	.216	.216	.216	.185	.185	.185	.126	.126	.126	.072	.072	.072	.023	.023	.023		
1.0	.202	.183	.165	.173	.157	.142	.118	.108	.098	.068	.062	.057	.022	.020	.018		
2.0	.192	.158	.130	.164	.136	.113	.112	.094	.079	.065	.055	.046	.021	.018	.015		
3.0	.182	.140	.107	.156	.121	.093	.107	.084	.065	.062	.049	.038	.020	.016	.013		
4.0	.174	.127	.090	.149	.109	.078	.103	.076	.055	.059	.045	.033	.019	.015	.011		
5.0	.167	.116	.078	.143	.100	.068	.099	.070	.048	.057	.041	.029	.018	.013	.009		
6.0	.160	.107	.070	.137	.093	.061	.095	.065	.043	.055	.038	.025	.018	.013	.008		
7.0	.153	.100	.063	.132	.087	.055	.091	.061	.039	.053	.036	.023	.017	.012	.008		
8.0	.148	.094	.058	.127	.082	.050	.088	.057	.036	.051	.034	.021	.017	.011	.007		
9.0	.142	.089	.054	.122	.078	.047	.085	.055	.033	.049	.032	.020	.016	.011	.007		
10.0	.137	.085	.051	.118	.074	.044	.082	.052	.031	.048	.031	.019	.015	.010	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm										
NAME: LED612-W34KA (25W 3000K)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.3304			SERIAL No.: 1		
MFR.:					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	14.4	15.7	14.7	15.9	16.2	14.3	15.6	14.6	15.8	16.1
3H	15.0	16.2	15.4	16.5	16.8	14.7	15.8	15.0	16.1	16.4
4H	15.3	16.4	15.7	16.7	17.0	14.8	15.9	15.1	16.2	16.5
6H	15.6	16.6	16.0	16.9	17.3	14.9	15.9	15.3	16.3	16.6
8H	15.7	16.7	16.1	17.0	17.4	14.9	15.9	15.3	16.2	16.6
12H	15.8	16.8	16.2	17.1	17.5	14.9	15.8	15.3	16.2	16.5
4H 2H	14.6	15.7	14.9	16.0	16.3	14.5	15.6	14.8	15.9	16.2
3H	15.3	16.3	15.7	16.6	17.0	15.1	16.0	15.5	16.4	16.7
4H	15.7	16.6	16.1	17.0	17.4	15.3	16.2	15.7	16.6	17.0
6H	16.2	16.9	16.6	17.3	17.7	15.5	16.3	16.0	16.7	17.1
8H	16.3	17.1	16.8	17.5	17.9	15.6	16.3	16.0	16.7	17.1
12H	16.5	17.2	17.0	17.6	18.1	15.6	16.2	16.0	16.6	17.1
8H 4H	15.8	16.6	16.3	17.0	17.4	15.5	16.2	15.9	16.6	17.0
6H	16.4	17.0	16.9	17.4	17.9	15.8	16.3	16.2	16.8	17.3
8H	16.7	17.2	17.2	17.7	18.2	15.8	16.4	16.3	16.8	17.4
12H	17.0	17.4	17.5	17.9	18.4	15.9	16.3	16.4	16.8	17.4
12H 4H	15.8	16.5	16.3	16.9	17.4	15.5	16.1	15.9	16.5	17.0
6H	16.4	16.9	16.9	17.4	17.9	15.8	16.3	16.3	16.8	17.3
8H	16.7	17.2	17.2	17.7	18.2	15.9	16.3	16.4	16.8	17.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.7					+ 0.7 / - 1.1				
1.5H	+ 0.5 / - 0.7					+ 0.4 / - 1.2				
2.0H	+ 1.4 / - 1.5					+ 1.2 / - 2.4				

CIE Pub.117, 3322 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.2$)
Area: 0.3304 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

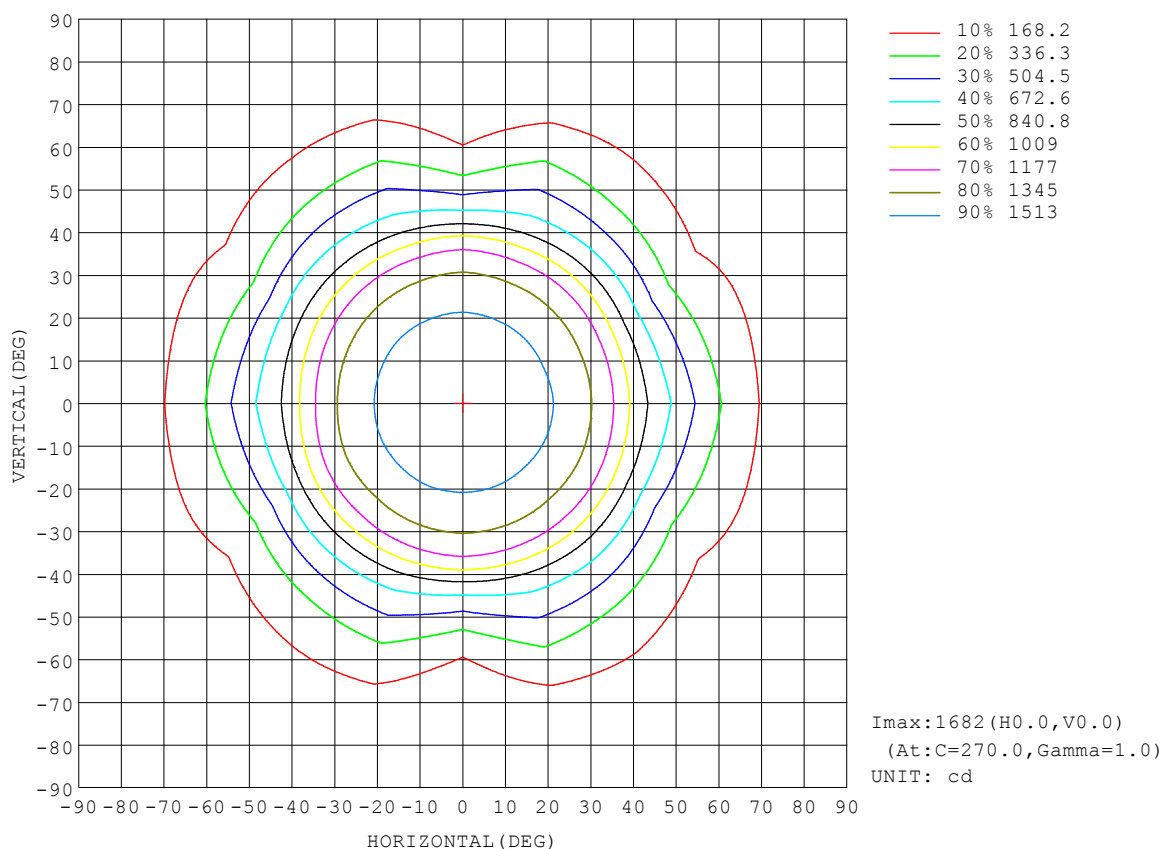
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	67	57	51	66	57	51	65	56	51	45
0.80	76	67	61	75	66	60	73	65	60	54
1.00	84	75	69	83	74	68	80	75	68	62
1.25	90	82	76	88	81	75	86	79	74	68
1.50	94	86	81	92	85	80	89	83	79	72
2.00	100	93	88	98	91	87	94	89	85	77
2.50	103	96	91	100	95	90	96	92	88	80
3.00	105	100	95	103	98	94	99	95	91	83
4.00	108	104	100	106	102	98	101	98	95	86
5.00	110	106	103	108	104	101	103	100	98	88
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: 25.3°C
Operators: DAMIN
Test Date: 2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

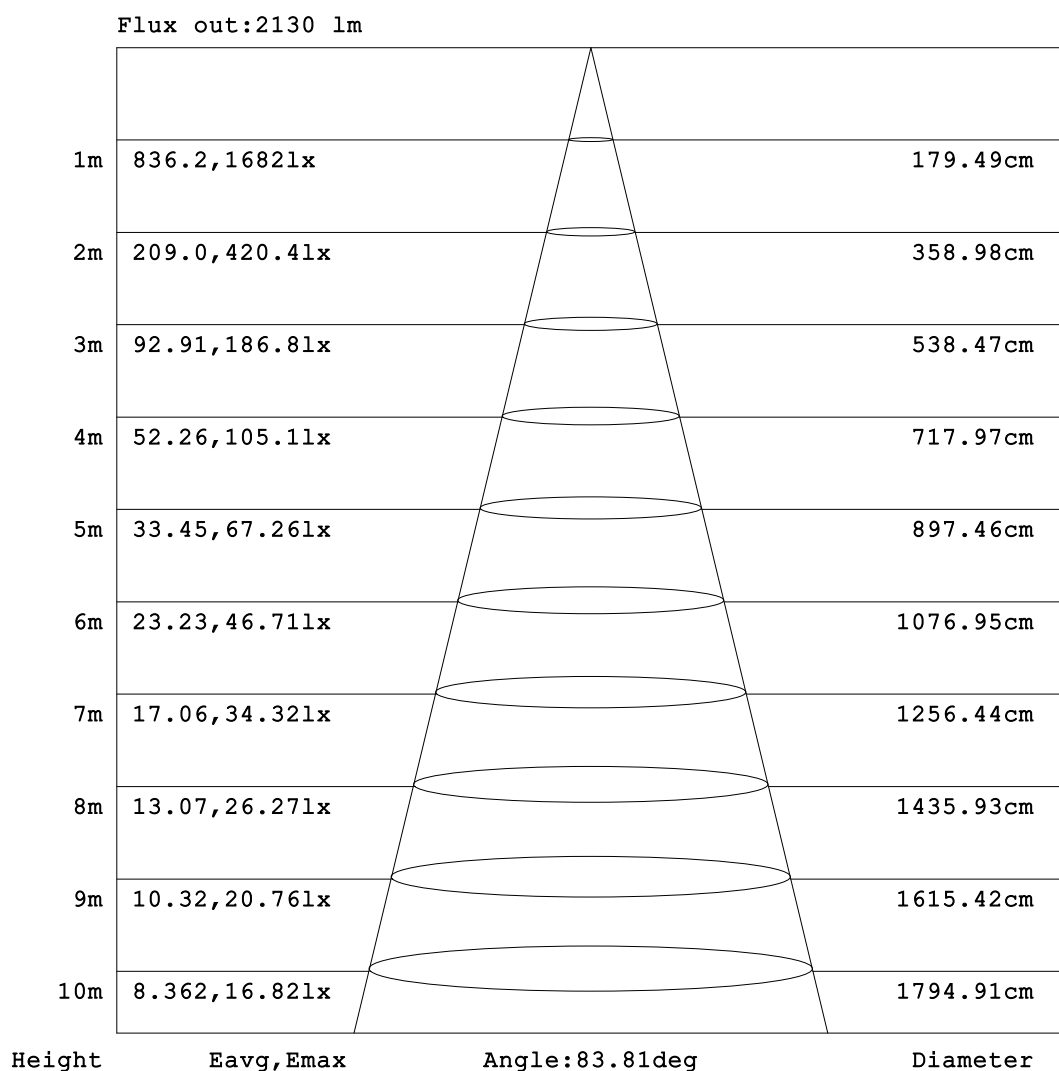


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



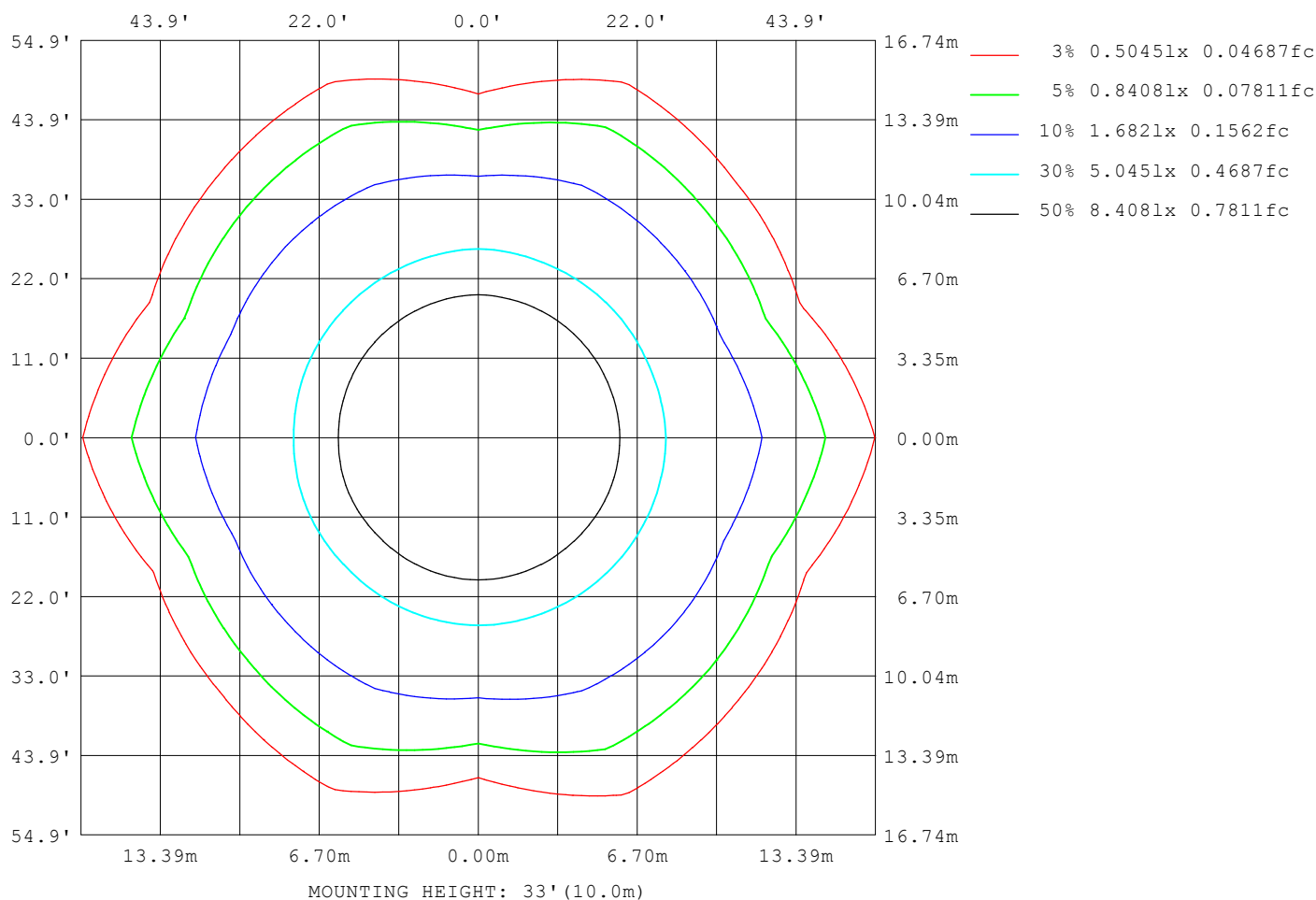
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

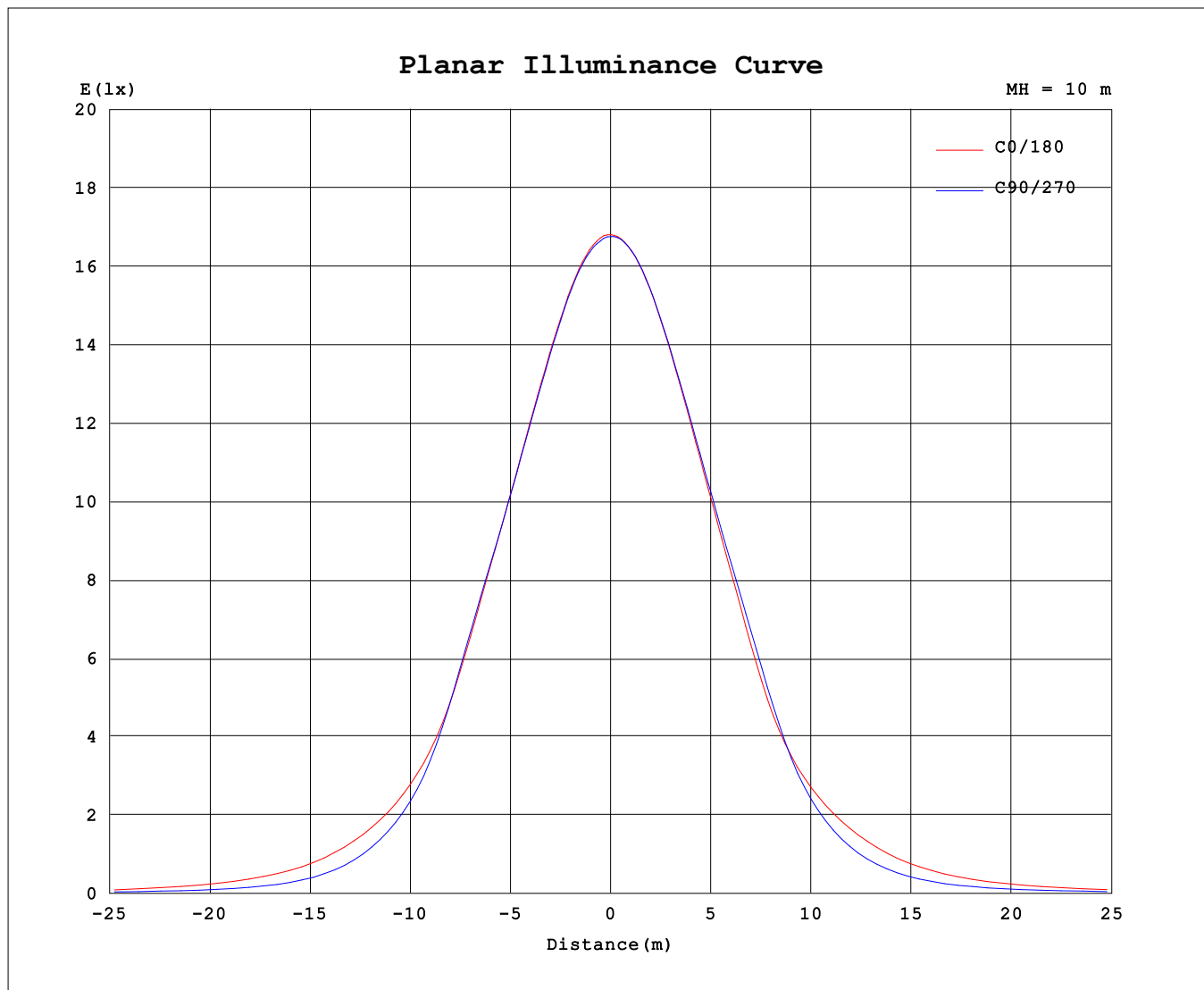
AvgL	cd/m2
L_0~180 (65) av	1764
L_0~180 (75) av	1232
L_0~180 (85) av	1485
L_90~270 (65) av	808
L_90~270 (75) av	845
L_90~270 (85) av	452
L_45 (65) av	1250
L_45 (75) av	1211
L_45 (85) av	1077

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-02-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-02-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.477
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.30V I:0.1148A P:25.534W PF:0.9657 Freq:50.00Hz Lamp Flux:3321.53x1 lm		
NAME: LED612-W34KA (25W 3000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3304	SERIAL No.: 1
MFR.:	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	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678	1678			
5	1670	1669	1668	1669	1670	1668	1668	1668	1667	1667	1669	1669	1672	1670	1671	1670			
10	1642	1642	1642	1643	1643	1641	1640	1641	1637	1640	1641	1643	1645	1641	1640	1638			
15	1594	1592	1591	1592	1593	1593	1592	1593	1589	1589	1593	1594	1597	1591	1592	1589			
20	1529	1526	1523	1525	1527	1526	1525	1526	1521	1521	1527	1530	1534	1528	1528	1524			
25	1450	1447	1442	1447	1450	1448	1443	1446	1438	1439	1446	1450	1459	1449	1448	1445			
30	1348	1346	1341	1349	1357	1347	1336	1342	1326	1330	1339	1349	1363	1349	1344	1341			
35	1190	1190	1185	1199	1216	1193	1168	1175	1153	1164	1175	1192	1221	1191	1182	1175			
40	967	947	946	948	948	940	918	927	929	934	931	941	966	938	933	922			
45	785	709	721	719	666	708	690	686	764	721	715	723	682	711	696	682			
50	637	500	546	573	450	557	514	482	630	512	548	572	457	567	513	474			
55	486	326	384	436	271	419	356	313	482	328	383	438	285	431	358	303			
60	350	208	258	316	159	297	238	201	344	213	254	310	175	308	238	195			
65	246	143	182	212	106	202	170	139	246	149	175	213	120	204	171	138			
70	160	118	143	139	87.3	137	134	112	165	121	133	144	100	136	139	115			
75	103	93.3	101	84.9	69.4	83.5	104	98.0	108	101	106	91.5	75.0	87.5	103	93.7			
80	70.7	64.9	58.8	46.8	42.2	47.2	64.3	74.4	79.1	73.1	68.6	53.1	46.9	49.5	61.2	64.9			
85	41.2	36.9	28.6	18.0	11.9	19.0	31.6	41.0	44.4	39.3	34.3	22.0	14.1	19.0	29.6	35.8			
90	26.8	23.5	16.3	7.08	1.75	7.56	18.6	26.9	30.0	26.3	19.1	8.03	1.48	6.66	16.2	22.8			
95	20.9	18.7	13.5	6.75	2.29	7.48	16.3	22.7	25.0	22.5	16.4	7.52	1.94	6.15	13.1	18.3			
100	19.7	18.2	13.9	7.67	3.25	8.35	16.5	22.1	23.8	21.8	16.3	8.23	2.74	6.98	13.4	17.8			
105	19.8	18.6	14.7	8.86	4.51	9.20	16.5	21.7	23.0	21.4	16.3	8.88	3.85	8.03	14.0	18.0			
110	20.4	19.3	15.5	10.3	6.00	10.3	16.6	21.5	22.7	21.1	16.5	9.84	5.17	9.34	14.8	18.8			
115	21.2	19.8	16.1	11.8	7.69	11.6	16.8	20.8	22.7	20.3	16.6	11.0	6.74	10.8	15.4	19.1			
120	22.2	20.4	17.8	13.3	9.45	12.7	17.9	21.3	22.9	20.7	17.3	12.1	8.40	12.2	16.7	19.6			
125	23.3	21.8	19.2	14.8	11.4	14.2	18.9	22.4	23.4	21.7	18.2	13.4	10.2	13.6	18.1	21.2			
130	24.4	23.1	20.4	16.3	13.2	15.8	20.1	23.1	23.9	22.4	19.3	14.9	12.1	15.2	19.3	22.3			
135	25.3	24.1	21.6	17.7	15.1	17.3	21.1	24.0	24.5	23.2	20.3	16.4	13.9	16.5	20.5	23.3			
140	26.0	24.9	22.4	18.8	16.8	18.5	22.0	24.6	25.0	23.7	21.2	17.7	15.6	17.7	21.6	24.1			
145	26.5	25.6	22.9	19.7	18.5	19.4	22.8	25.1	25.4	24.2	22.0	18.5	17.4	18.3	22.0	24.7			
150	27.0	26.3	23.2	20.4	20.2	20.7	23.6	25.6	25.6	24.7	22.8	19.8	19.1	19.3	22.7	25.3			
155	27.4	26.9	24.1	21.8	22.0	22.1	24.5	26.0	25.8	25.0	23.6	21.2	21.0	20.8	23.4	26.1			
160	27.7	27.6	24.4	23.4	23.8	23.6	24.4	26.4	26.2	25.7	23.8	22.9	22.9	22.5	23.5	26.9			
165	27.6	26.5	24.8	24.9	25.3	24.9	25.1	25.7	25.6	25.2	24.6	24.4	24.7	24.2	24.2	26.0			
170	27.3	25.8	25.6	26.0	26.4	26.2	26.1	26.0	26.0	25.7	25.9	25.9	26.2	25.8	25.5	25.8			
175	27.2	26.3	26.5	27.1	27.2	27.1	26.9	26.6	26.5	26.3	26.7	26.8	27.0	26.8	26.5	26.0			
180	27.8	26.7	27.2	27.3	27.5	27.4	27.2	26.8	27.8	26.7	27.2	27.3	27.5	27.4	27.3	26.8			

C Range: 0 - 360DEG
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