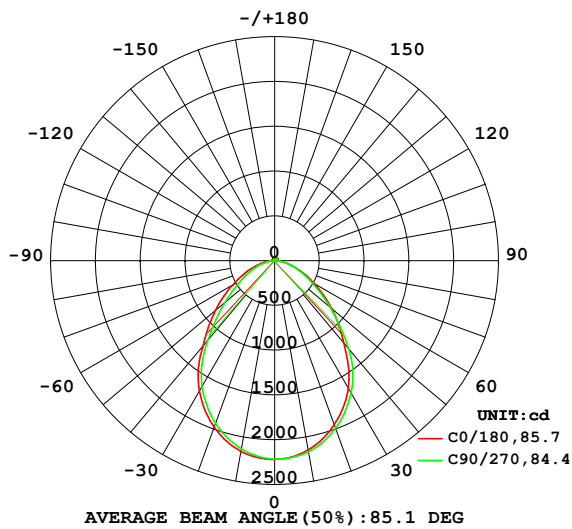


LUMINAIRE PHOTOMETRIC TEST REPORT

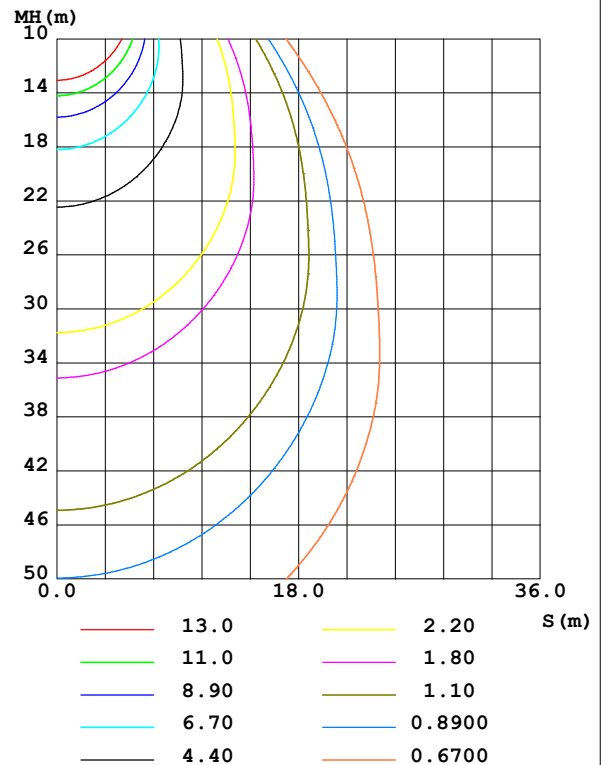
Test:U:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.15 lm/W			
MODEL		I _{max} (cd)	2219	S/MH(C0/180)	1.14
NOMINAL POWER(W)	39.9	LOR(%)	100.0	S/MH(C90/270)	1.11
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4631.5	η UP,DN(C0-180)	1.6,49.7
NOMINAL FLUX(lm)	4631.5	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.6,47.2
LAMPS INSIDE	1	η up (%)	3.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	33.97	η down (%)	96.9	CIBSE SHR MAX	1.25

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:2025-06-16

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	2147	2158	2167	2168	2162	2148	2135	2129	0- 10	208.4	208.4	4.5,4.5
20	1949	1970	1991	1992	1977	1954	1932	1920	10- 20	582.5	791.0	17.1,17.1
30	1644	1674	1706	1705	1682	1650	1623	1603	20- 30	837.8	1629	35.2,35.2
40	1202	1243	1287	1283	1250	1213	1161	1140	30- 40	908.2	2537	54.8,54.8
50	830.4	836.5	809.0	835.3	863.9	813.9	722.8	740.2	40- 50	773.1	3310	71.5,71.5
60	508.5	505.3	471.4	496.3	535.9	489.4	421.2	430.8	50- 60	567.4	3877	83.7,83.7
70	273.0	278.7	260.9	286.8	297.2	268.9	230.2	239.3	60- 70	364.9	4242	91.6,91.6
80	105.4	106.2	103.0	123.8	122.1	100.3	73.85	84.76	70- 80	191.0	4433	95.7,95.7
90	26.38	17.26	4.116	21.90	28.28	17.07	2.763	18.27	80- 90	52.84	4486	96.9,96.9
100	26.92	18.19	4.738	19.46	26.33	17.74	4.980	19.90	90-100	18.36	4505	97.3,97.3
110	28.60	20.66	8.186	21.11	26.86	19.70	8.500	22.15	100-110	19.59	4524	97.7,97.7
120	30.24	22.80	12.28	22.59	27.27	21.69	12.64	23.55	110-120	20.59	4545	98.1,98.1
130	32.03	25.87	17.17	25.63	29.84	24.64	17.38	26.69	120-130	20.91	4566	98.6,98.6
140	33.85	28.49	21.96	28.35	31.63	27.69	21.68	29.25	130-140	20.47	4586	99,99
150	34.92	29.61	26.53	30.64	33.09	30.22	25.94	30.46	140-150	18.21	4604	99.4,99.4
160	35.42	31.51	31.08	32.61	34.04	32.22	30.91	31.55	150-160	14.40	4619	99.7,99.7
170	34.86	33.62	34.55	33.77	33.97	34.11	34.65	33.14	160-170	9.387	4628	99.9,99.9
180	36.50	35.87	36.05	35.67	36.47	35.89	36.09	35.71	170-180	3.323	4632	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2946.4 lm

%lum = 63.6%

%lamp = 63.6%

Conical surface Flux(120deg): 3877.5 lm

%lum = 83.7%

%lamp = 83.7%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz

Lamp Flux:4631.5x1 lm

NAME: LED612-W34KA-D (40W 950mA 4000K)

TYPE:

WEIGHT:

SPEC.:

DIM.: 0.3363

SERIAL No.:

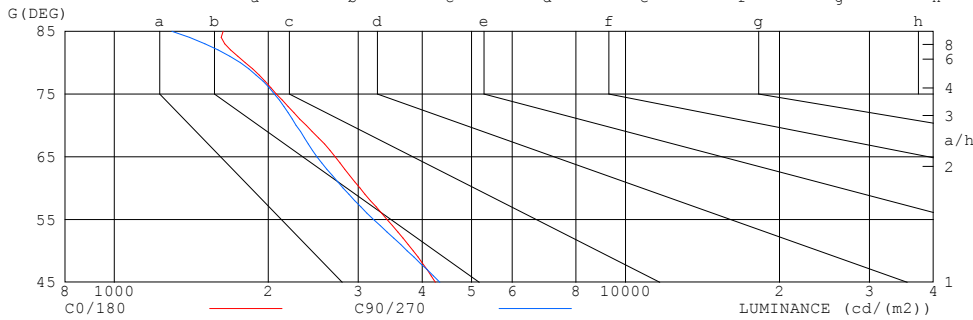
MFR.:

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



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1633	1296
80	1804	1763
75	2075	2057
70	2373	2269
65	2703	2491
60	3024	2804
55	3416	3214
50	3841	3742
45	4249	4332

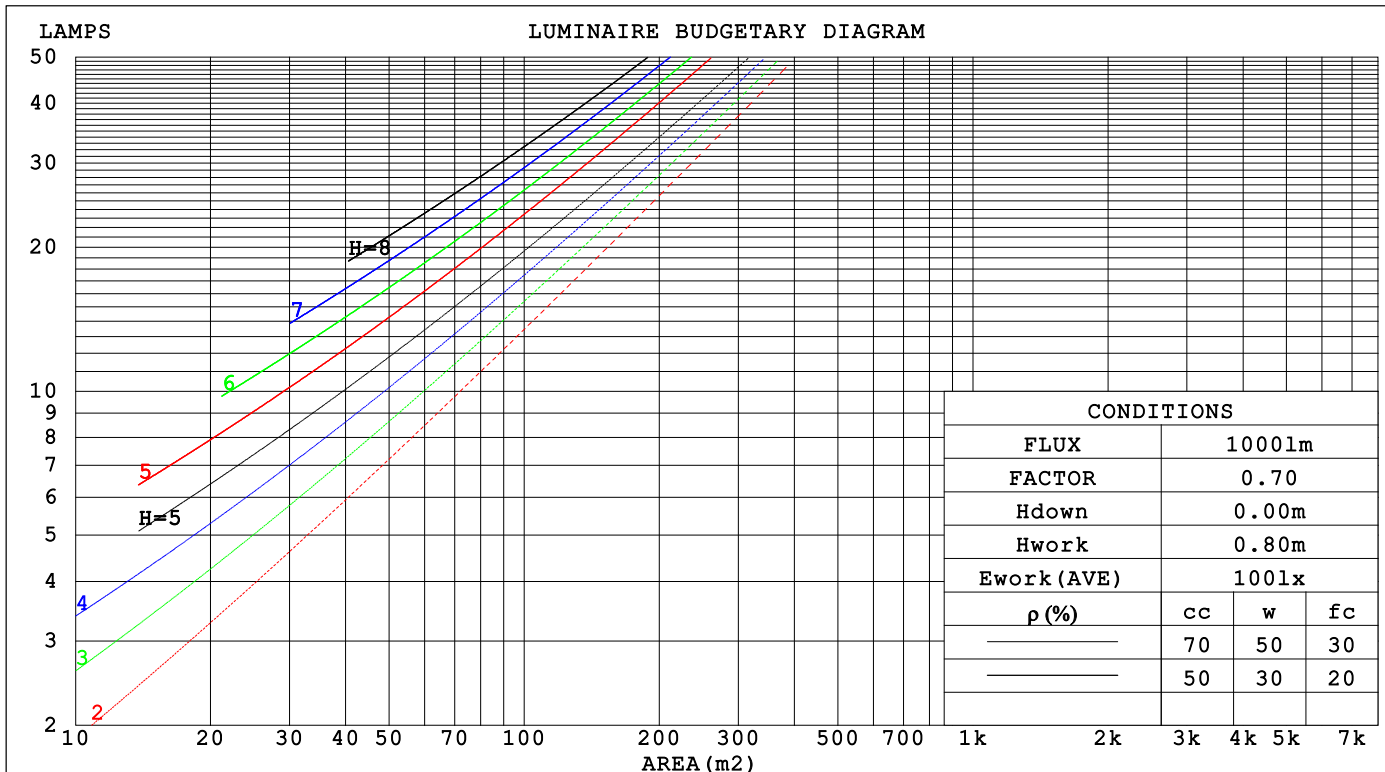
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
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	1.05	1.02	.98	1.03	.99	.96	.98	.95	.93	.94	.91	.89	.90	.88	.86	.84
2.0	.93	.87	.82	.91	.86	.81	.87	.83	.79	.84	.80	.77	.80	.77	.74	.72
3.0	.83	.76	.70	.82	.75	.69	.78	.73	.68	.75	.70	.66	.72	.68	.65	.63
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.68	.60	.53	.66	.59	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49
6.0	.62	.53	.47	.60	.53	.47	.58	.52	.46	.56	.50	.46	.55	.49	.45	.43
7.0	.56	.48	.42	.55	.48	.42	.54	.47	.42	.52	.46	.41	.50	.45	.41	.39
8.0	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.47	.41	.37	.35
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.34	.44	.38	.34	.43	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
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	.269	.153	.048	.261	.149	.047	.246	.141	.045	.232	.134	.043	.220	.127	.041		
2.0	.256	.140	.043	.249	.137	.042	.236	.131	.041	.224	.125	.039	.213	.120	.038		
3.0	.239	.127	.038	.233	.125	.038	.222	.120	.037	.211	.116	.035	.201	.111	.034		
4.0	.223	.116	.034	.218	.114	.034	.208	.110	.033	.198	.106	.032	.189	.103	.031		
5.0	.208	.106	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	.178	.095	.029		
6.0	.195	.098	.028	.191	.096	.028	.182	.093	.027	.175	.091	.027	.168	.088	.026		
7.0	.183	.090	.026	.179	.089	.025	.171	.087	.025	.165	.084	.025	.158	.082	.024		
8.0	.172	.084	.024	.168	.083	.023	.162	.081	.023	.155	.079	.023	.149	.077	.022		
9.0	.162	.078	.022	.159	.077	.022	.153	.075	.021	.147	.074	.021	.142	.072	.021		
10.0	.153	.073	.020	.150	.072	.020	.145	.071	.020	.139	.069	.020	.135	.068	.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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023		
1.0	.202	.181	.162	.172	.155	.139	.118	.107	.096	.068	.062	.056	.022	.020	.018		
2.0	.192	.156	.127	.164	.135	.109	.113	.093	.076	.065	.054	.045	.021	.018	.015		
3.0	.183	.138	.103	.157	.119	.089	.108	.083	.063	.062	.048	.037	.020	.016	.012		
4.0	.175	.125	.087	.150	.108	.075	.103	.075	.053	.060	.044	.031	.019	.014	.010		
5.0	.167	.114	.075	.144	.099	.065	.099	.069	.046	.057	.041	.027	.018	.013	.009		
6.0	.161	.106	.066	.138	.092	.058	.095	.064	.041	.055	.038	.024	.018	.012	.008		
7.0	.154	.099	.060	.132	.086	.052	.092	.060	.037	.053	.035	.022	.017	.012	.007		
8.0	.148	.093	.055	.127	.081	.048	.088	.057	.034	.051	.033	.020	.017	.011	.007		
9.0	.142	.088	.051	.123	.076	.045	.085	.054	.032	.049	.032	.019	.016	.010	.006		
10.0	.137	.084	.048	.118	.073	.042	.082	.051	.030	.048	.030	.018	.015	.010	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm										
NAME: LED612-W34KA-D (40W 950mA 4000K)					TYPE:			WEIGHT:		
SPEC.:					DIM.: 0.3363			SERIAL No.:		
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	16.2	17.5	16.5	17.8	18.0	16.5	17.8	16.8	18.1	18.3
3H	17.2	18.4	17.5	18.7	19.0	17.4	18.6	17.7	18.9	19.2
4H	17.6	18.7	17.9	19.0	19.3	17.8	18.9	18.1	19.2	19.5
6H	17.8	18.9	18.2	19.2	19.6	18.0	19.1	18.4	19.4	19.7
8H	17.9	18.9	18.3	19.3	19.6	18.1	19.1	18.4	19.4	19.8
12H	17.9	18.9	18.3	19.3	19.6	18.1	19.1	18.5	19.4	19.8
4H 2H	16.6	17.8	17.0	18.1	18.4	16.8	18.0	17.2	18.3	18.6
3H	17.8	18.8	18.2	19.1	19.5	18.0	19.0	18.4	19.3	19.7
4H	18.3	19.2	18.7	19.6	19.9	18.5	19.4	18.9	19.8	20.1
6H	18.6	19.5	19.1	19.9	20.3	18.8	19.6	19.3	20.0	20.5
8H	18.8	19.5	19.2	19.9	20.4	18.9	19.7	19.4	20.1	20.5
12H	18.8	19.5	19.3	20.0	20.4	19.0	19.6	19.4	20.1	20.6
8H 4H	18.4	19.2	18.9	19.6	20.1	18.6	19.4	19.1	19.8	20.2
6H	18.9	19.6	19.4	20.0	20.5	19.1	19.7	19.6	20.2	20.7
8H	19.1	19.7	19.6	20.2	20.7	19.2	19.8	19.8	20.3	20.8
12H	19.3	19.7	19.8	20.2	20.8	19.3	19.8	19.9	20.3	20.9
12H 4H	18.4	19.1	18.9	19.6	20.0	18.6	19.3	19.1	19.7	20.2
6H	19.0	19.5	19.5	20.0	20.5	19.1	19.7	19.6	20.1	20.6
8H	19.2	19.7	19.7	20.2	20.7	19.3	19.8	19.8	20.3	20.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.3				
2.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.7				

CIE Pub.117, 4632 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.3)
Area: 0.3363 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

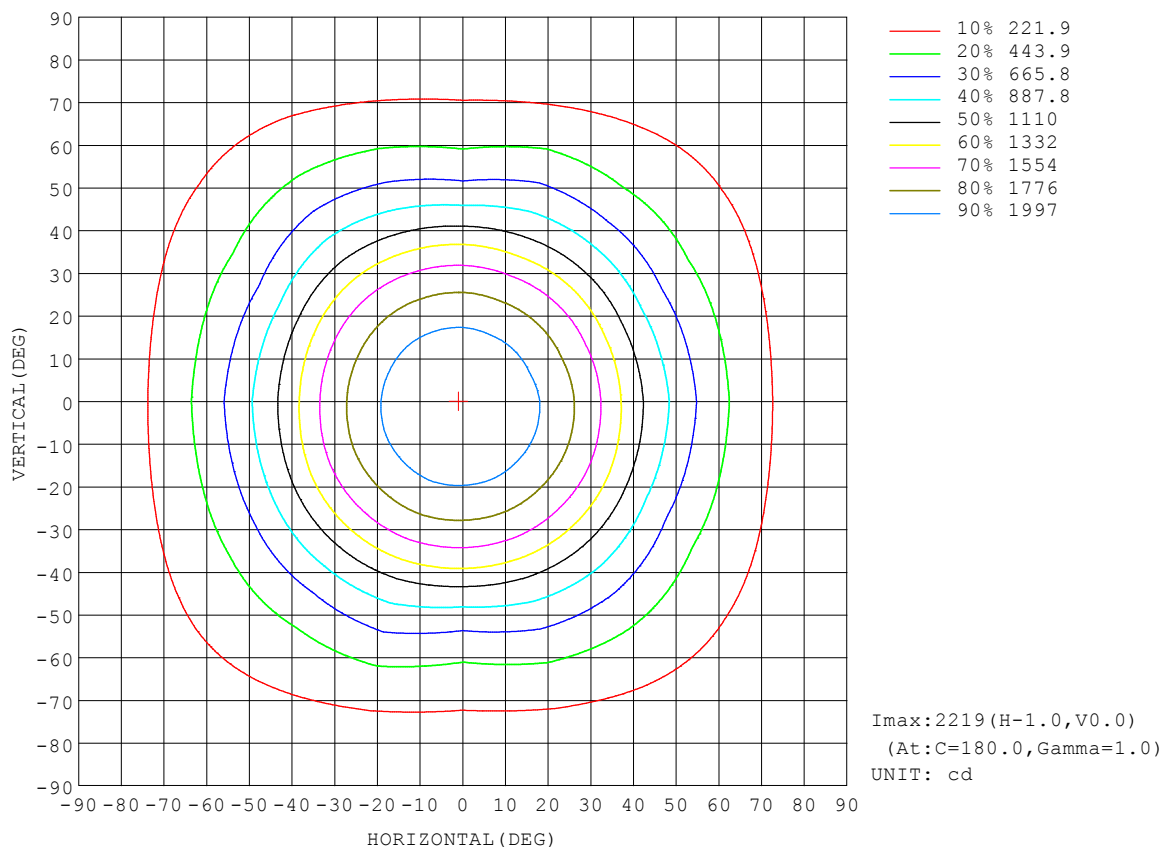
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	53	47	63	53	47	61	52	46	41
0.80	73	63	56	72	62	56	70	61	56	49
1.00	81	71	65	80	71	64	77	71	64	57
1.25	87	78	72	86	77	72	83	76	71	64
1.50	92	83	77	90	82	77	87	80	75	68
2.00	98	90	85	96	89	84	92	87	82	74
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	97	93	89	81
4.00	107	102	98	105	101	97	100	97	94	84
5.00	110	105	102	107	103	100	102	99	96	87
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: 2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

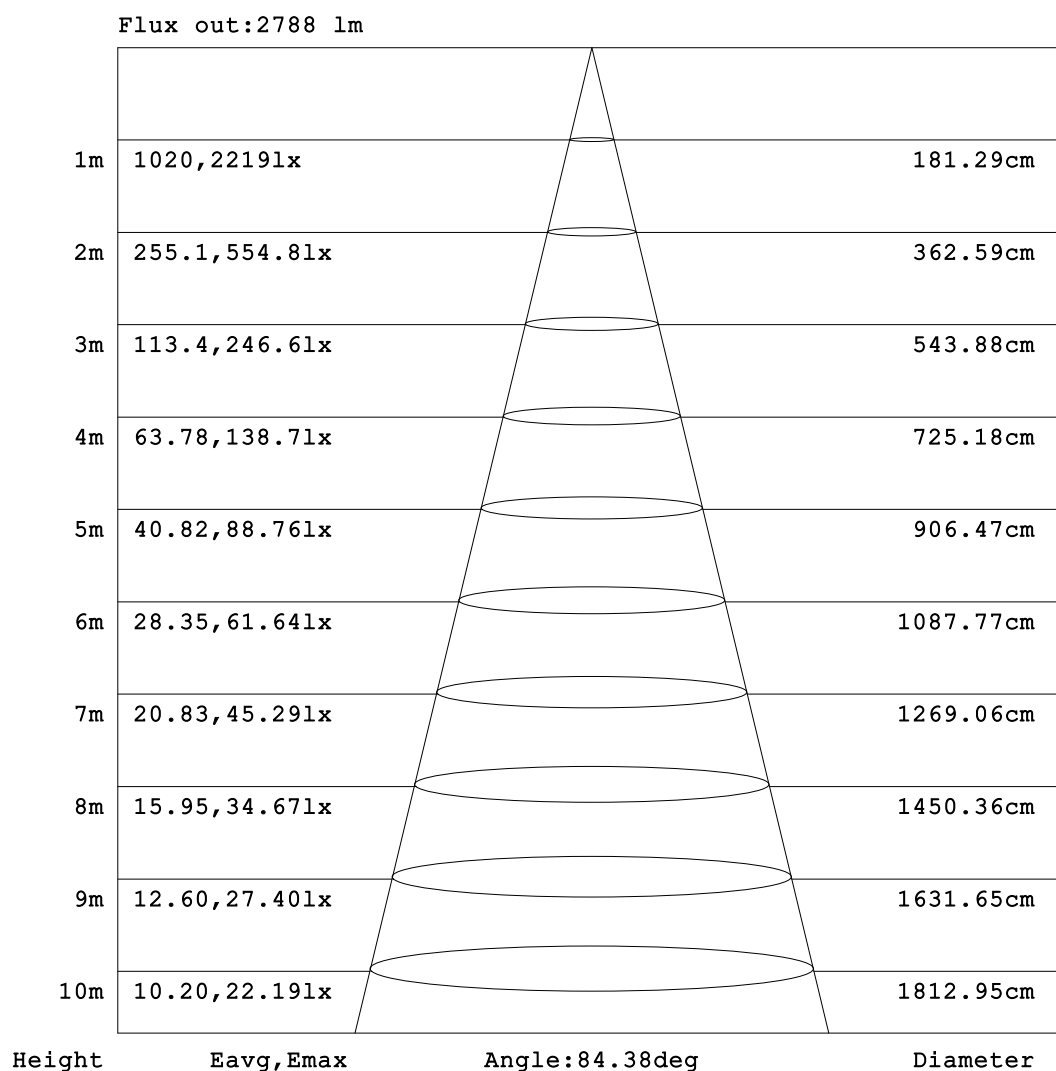


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



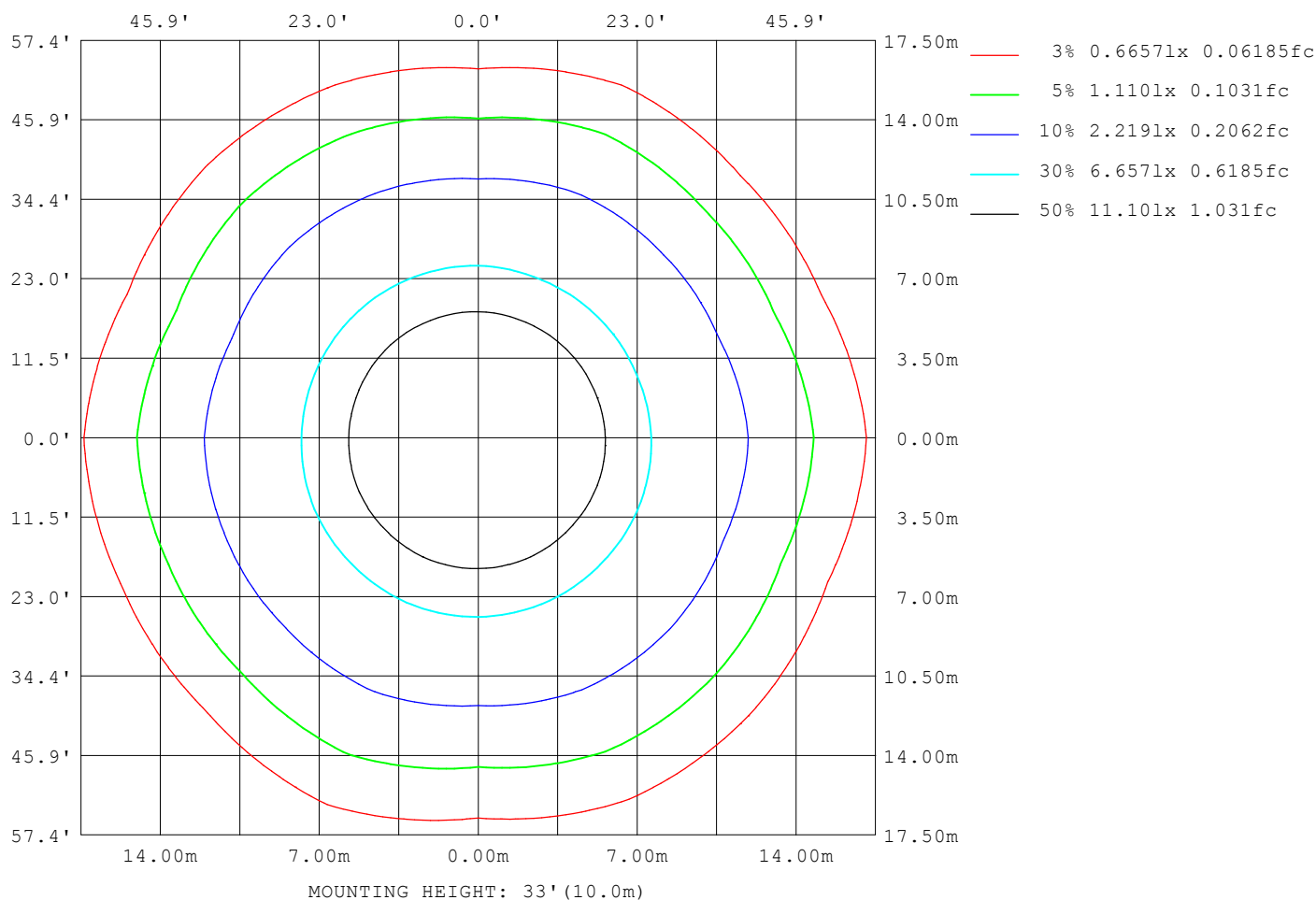
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

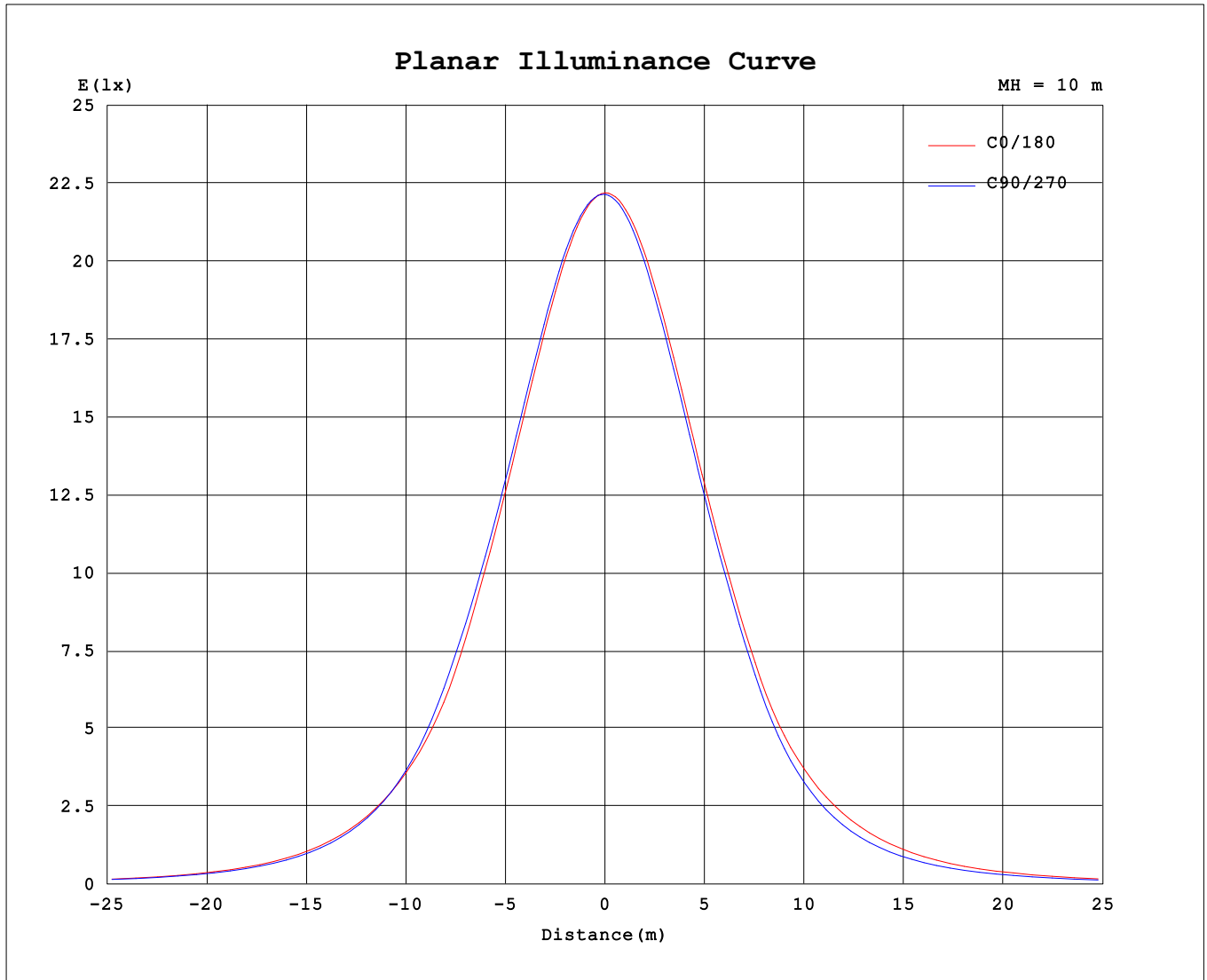
AvgL	cd/m2
L_0~180 (65) av	2793
L_0~180 (75) av	2188
L_0~180 (85) av	1821
L_90~270 (65) av	2361
L_90~270 (75) av	1877
L_90~270 (85) av	968
L_45 (65) av	2560
L_45 (75) av	2087
L_45 (85) av	1492

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2025-06-16

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: 2025-06-16

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:230.58V I:0.1605A P:35.586W PF:0.9616 Freq:50.00Hz Lamp Flux:4631.5x1 lm		
NAME: LED612-W34KA-D (40W 950mA 4000K)	TYPE:	WEIGHT:
SPEC.:	DIM.: 0.3363	SERIAL No.:
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	2219	2217	2216	2216	2215	2214	2214	2212	2219	2217	2216	2216	2215	2214	2214	2212			
5	2200	2202	2203	2205	2206	2208	2206	2204	2207	2201	2198	2194	2192	2187	2188	2188			
10	2147	2153	2158	2165	2167	2171	2168	2165	2162	2153	2148	2140	2135	2127	2129	2130			
15	2062	2072	2078	2089	2094	2100	2096	2093	2085	2073	2066	2054	2047	2037	2038	2041			
20	1949	1962	1970	1984	1991	1998	1992	1988	1977	1962	1954	1940	1932	1919	1920	1924			
25	1810	1826	1835	1852	1862	1870	1862	1858	1842	1825	1815	1800	1791	1774	1776	1782			
30	1644	1663	1674	1697	1706	1715	1705	1702	1682	1662	1650	1634	1623	1603	1603	1611			
35	1436	1464	1478	1509	1525	1532	1520	1516	1490	1468	1453	1432	1418	1386	1388	1396			
40	1202	1221	1243	1271	1287	1297	1283	1278	1250	1224	1213	1186	1161	1141	1140	1152			
45	1010	996	1026	1041	1030	1058	1044	1044	1046	995	1000	966	925	943	931	938			
50	830	789	836	853	809	871	835	841	864	785	814	784	723	774	740	739			
55	659	608	658	680	620	703	649	654	695	607	641	618	556	616	567	568			
60	509	462	505	525	471	550	496	498	536	467	489	473	421	473	431	434			
65	384	350	380	395	354	414	381	380	410	357	368	354	317	347	326	332			
70	273	263	279	286	261	299	287	287	297	266	269	253	230	239	239	247			
75	181	181	187	189	179	198	202	206	200	184	179	163	148	149	158	166			
80	105	107	106	106	103	116	124	128	122	110	100	84.3	73.8	75.7	84.8	92.8			
85	47.9	48.4	44.3	40.7	38.0	49.9	57.5	63.2	58.9	50.5	40.7	26.7	18.8	23.0	32.5	39.8			
90	26.4	23.9	17.3	8.82	4.12	12.7	21.9	28.2	28.3	24.6	17.1	7.95	2.76	9.89	18.3	24.2			
95	26.2	23.6	17.1	8.76	3.43	10.6	18.9	24.8	26.3	23.5	17.1	8.72	3.70	10.9	18.9	24.3			
100	26.9	24.4	18.2	10.0	4.74	11.6	19.5	25.0	26.3	23.7	17.7	9.84	4.98	12.1	19.9	25.0			
105	27.7	25.3	19.4	11.5	6.28	12.8	20.2	25.3	26.5	24.2	18.6	11.2	6.64	13.5	21.0	25.8			
110	28.6	26.3	20.7	13.1	8.19	14.2	21.1	25.9	26.9	24.8	19.7	12.8	8.50	15.1	22.2	26.7			
115	29.6	27.4	21.8	14.9	10.1	15.8	21.1	26.6	27.5	25.2	20.8	14.6	10.5	16.8	22.0	27.7			
120	30.2	27.4	22.8	16.9	12.3	17.3	22.6	26.5	27.3	25.4	21.7	16.4	12.6	18.3	23.6	27.4			
125	30.7	28.5	24.4	18.5	14.6	19.0	24.2	27.7	28.4	26.8	23.1	18.2	14.8	20.0	25.3	28.5			
130	32.0	30.0	25.9	20.5	17.2	21.0	25.6	29.1	29.8	28.1	24.6	20.3	17.4	21.9	26.7	30.0			
135	33.1	31.1	27.2	22.4	19.6	23.0	27.0	30.1	30.7	29.2	26.2	22.3	19.5	23.4	28.0	31.0			
140	33.9	32.0	28.5	23.9	22.0	24.8	28.3	31.1	31.6	30.3	27.7	24.2	21.7	24.7	29.3	31.9			
145	34.4	32.7	29.1	25.4	24.3	26.5	29.5	31.9	32.4	31.3	29.0	25.7	23.8	26.0	30.3	32.6			
150	34.9	33.4	29.6	26.5	26.5	28.0	30.6	32.6	33.1	32.1	30.2	26.9	25.9	27.2	30.5	33.2			
155	35.2	34.1	30.6	27.9	28.9	28.8	31.7	33.3	33.6	32.8	31.4	28.9	28.5	28.0	30.9	33.9			
160	35.4	34.7	31.5	30.3	31.1	30.7	32.6	33.8	34.0	33.5	32.2	30.9	30.9	30.0	31.6	34.6			
165	35.6	34.4	31.7	32.3	33.0	32.5	32.5	34.2	34.4	33.9	32.5	32.9	33.0	32.1	31.6	35.1			
170	34.9	33.4	33.6	34.2	34.5	34.3	33.8	33.7	34.0	33.8	34.1	34.5	34.6	34.1	33.1	33.5			
175	35.5	34.7	35.3	35.5	35.6	35.4	35.3	34.9	35.1	35.2	35.5	35.5	35.7	35.5	35.1	34.2			
180	36.5	35.4	35.9	36.0	36.1	35.9	35.7	34.9	36.5	35.4	35.9	35.9	36.1	35.9	35.7	34.8			

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