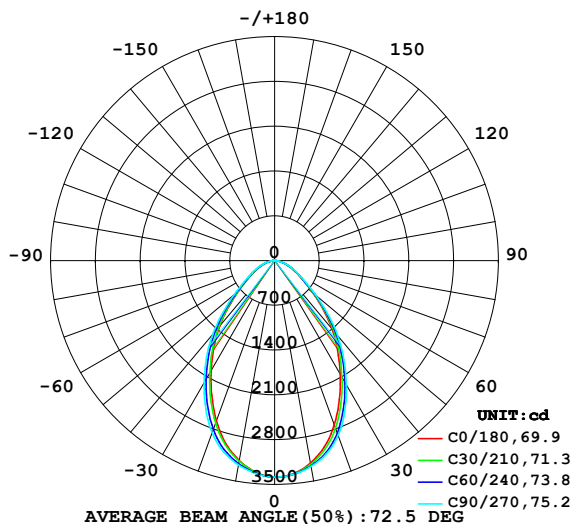


LUMINAIRE PHOTOMETRIC TEST REPORT

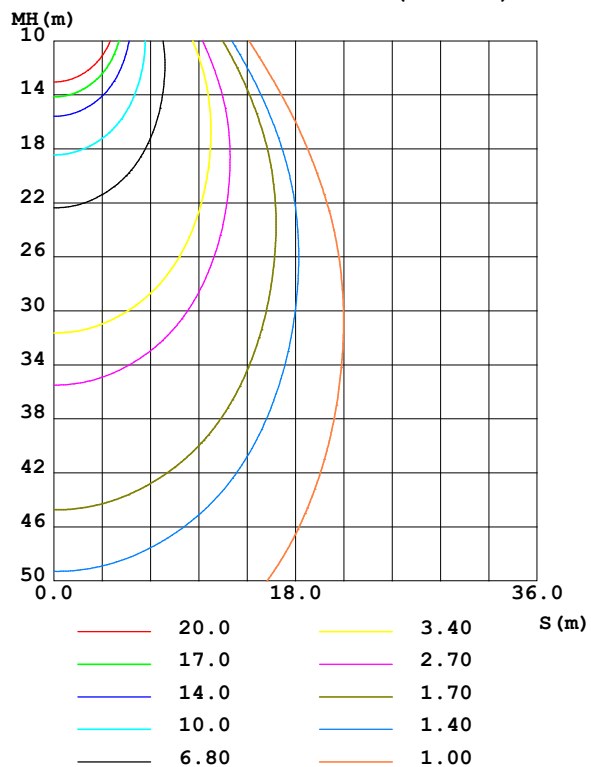
Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.05 lm/W			
MODEL	62001000501.50W.3K	I _{max} (cd)	3386	S/MH(C0/180)	0.95
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.03
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5286.4	η UP,DN(C0-180)	0.3,50.2
NOMINAL FLUX(lm)	5286.42	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,49.3
LAMPS INSIDE	1	η up (%)	0.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down (%)	99.4	CIBSE SHR MAX	1.10

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators:
Test Date: 2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.177m [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	3216	3248	3270	3227	3175	3205	3245	3224	0- 10	315.3	315.3	5.96,5.96
20	2731	2827	2909	2787	2664	2754	2862	2785	10- 20	853.1	1168	22.1,22.1
30	2051	2153	2247	2107	1985	2085	2207	2112	20- 30	1130	2298	43.5,43.5
40	1400	1468	1537	1426	1336	1410	1507	1438	30- 40	1107	3405	64.4,64.4
50	779.4	805.8	836.1	777.8	733.4	762.9	817.0	789.8	40- 50	843.4	4249	80.4,80.4
60	418.8	422.6	432.3	411.6	399.0	408.7	428.2	419.2	50- 60	514.1	4763	90.1,90.1
70	222.9	223.5	228.3	216.1	207.9	214.3	227.7	222.5	60- 70	308.8	5072	95.9,95.9
80	77.62	77.76	78.00	72.11	67.11	69.00	75.09	75.67	70- 80	150.9	5223	98.8,98.8
90	1.618	2.690	2.420	1.805	1.012	1.981	1.184	2.096	80- 90	33.18	5256	99.4,99.4
100	0.9966	1.238	1.414	1.331	1.496	1.522	1.514	1.434	90-100	1.412	5257	99.4,99.4
110	1.722	2.062	2.473	2.256	2.390	2.511	2.608	2.312	100-110	1.889	5259	99.5,99.5
120	2.944	3.410	3.976	3.621	3.773	4.005	4.157	3.773	110-120	2.930	5262	99.5,99.5
130	4.610	5.164	5.810	5.394	5.619	5.891	6.094	5.622	120-130	4.090	5266	99.6,99.6
140	6.694	7.221	7.853	7.473	7.760	8.004	8.156	7.723	130-140	5.054	5271	99.7,99.7
150	8.899	9.342	9.878	9.626	9.967	10.09	10.16	9.871	140-150	5.420	5277	99.8,99.8
160	11.10	11.37	11.77	11.65	12.03	12.00	11.96	11.83	150-160	4.945	5282	99.9,99.9
170	12.96	12.99	13.22	13.22	13.60	13.36	13.28	13.31	160-170	3.529	5285	100,100
180	13.94	13.79	13.78	13.83	13.98	13.74	13.76	13.82	170-180	1.292	5286	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 3872.5 lm

%lum = 73.3%

%lamp = 73.3%

Conical surface Flux(130deg): 4938.5 lm

%lum = 93.4%

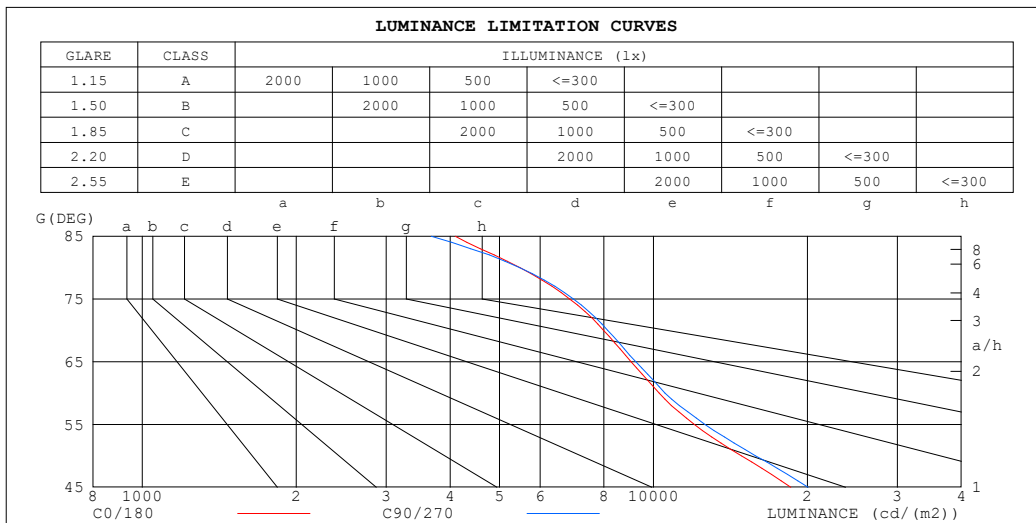
%lamp = 93.4%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2026-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:12.177m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:



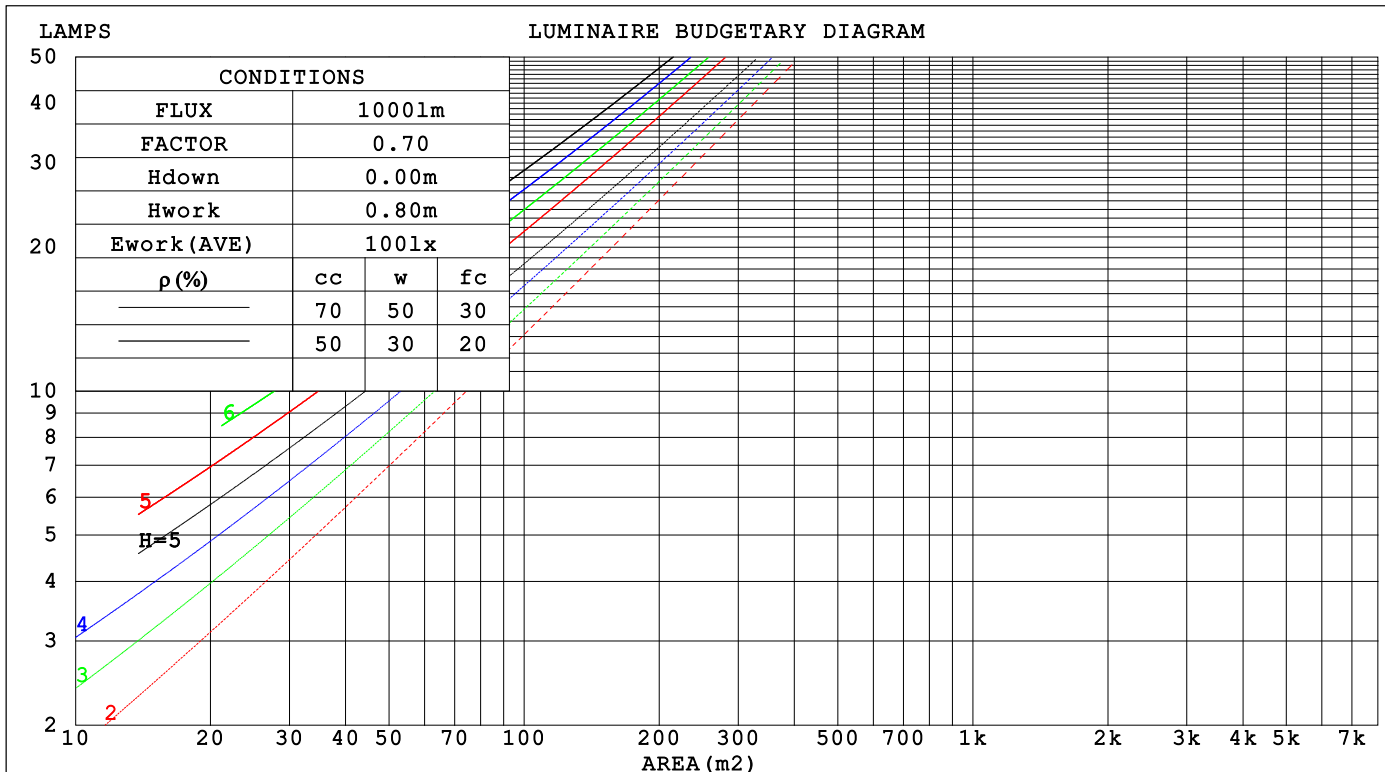
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.177m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	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	1.19	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	.99
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.93	.92	.90	.88
2.0	.96	.91	.86	.95	.90	.85	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3.0	.87	.80	.75	.86	.79	.74	.83	.77	.73	.80	.75	.72	.77	.74	.71	.69
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.67	.63	.61
5.0	.72	.64	.59	.71	.64	.59	.69	.63	.58	.67	.62	.57	.65	.60	.57	.55
6.0	.66	.58	.53	.65	.58	.53	.63	.57	.52	.62	.56	.52	.60	.55	.51	.49
7.0	.61	.53	.48	.60	.53	.48	.59	.52	.47	.57	.51	.47	.56	.51	.47	.45
8.0	.56	.49	.44	.56	.48	.44	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.45	.40	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.43	.39	.38
10.0	.49	.42	.37	.48	.41	.37	.47	.41	.37	.46	.41	.37	.45	.40	.36	.35



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.177m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	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	.243	.138	.044	.236	.134	.043	.222	.128	.041	.210	.121	.039	.199	.115	.037		
2.0	.233	.128	.039	.227	.125	.038	.215	.120	.037	.205	.115	.036	.195	.110	.035		
3.0	.220	.117	.035	.214	.115	.035	.204	.111	.034	.195	.107	.033	.187	.103	.032		
4.0	.206	.107	.032	.202	.106	.031	.193	.102	.031	.185	.099	.030	.177	.096	.029		
5.0	.194	.099	.029	.190	.097	.028	.182	.095	.028	.175	.092	.027	.168	.090	.027		
6.0	.182	.091	.026	.179	.090	.026	.172	.088	.026	.165	.086	.025	.159	.084	.025		
7.0	.172	.085	.024	.168	.084	.024	.162	.082	.024	.156	.080	.023	.151	.078	.023		
8.0	.162	.079	.022	.159	.078	.022	.154	.077	.022	.148	.075	.022	.144	.074	.021		
9.0	.153	.074	.021	.151	.074	.021	.146	.072	.020	.141	.071	.020	.137	.069	.020		
10.0	.146	.070	.019	.143	.069	.019	.139	.068	.019	.134	.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	.195	.195	.195	.167	.167	.167	.114	.114	.114	.065	.065	.065	.021	.021	.021		
1.0	.180	.161	.144	.154	.138	.124	.105	.095	.086	.061	.055	.050	.019	.018	.016		
2.0	.169	.137	.110	.145	.118	.095	.099	.081	.066	.057	.047	.039	.018	.015	.013		
3.0	.159	.118	.086	.137	.102	.074	.094	.071	.052	.054	.041	.031	.017	.013	.010		
4.0	.151	.105	.069	.129	.090	.060	.089	.063	.042	.051	.037	.025	.017	.012	.008		
5.0	.143	.094	.057	.123	.081	.050	.085	.057	.035	.049	.033	.021	.016	.011	.007		
6.0	.136	.085	.048	.117	.074	.042	.081	.052	.030	.047	.030	.018	.015	.010	.006		
7.0	.130	.078	.041	.112	.067	.036	.077	.047	.026	.045	.028	.015	.014	.009	.005		
8.0	.124	.072	.036	.107	.062	.032	.074	.044	.022	.043	.026	.013	.014	.008	.004		
9.0	.118	.067	.032	.102	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004		
10.0	.113	.063	.029	.098	.054	.025	.068	.038	.018	.039	.023	.011	.013	.007	.004		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.177m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm										
NAME: 62001000501.50W.3K					TYPE: 62001000501.50W.3K			WEIGHT:		
SPEC.: 62001000501.50W.3K					DIM.: 1438*65*42mm			SERIAL No.:		
MFR.:					SUR.: 1432*57mm			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	20.6	21.8	20.8	22.0	22.2	20.8	22.1	21.1	22.3	22.5
3H	21.3	22.5	21.6	22.7	22.9	21.5	22.6	21.8	22.9	23.1
4H	21.6	22.7	21.9	22.9	23.2	21.7	22.8	22.0	23.1	23.3
6H	21.7	22.8	22.0	23.0	23.3	21.9	22.9	22.2	23.2	23.5
8H	21.7	22.7	22.1	23.0	23.3	21.9	22.9	22.2	23.2	23.5
12H	21.7	22.7	22.1	23.0	23.3	21.9	22.8	22.2	23.1	23.4
4H 2H	20.8	21.9	21.1	22.2	22.4	21.0	22.1	21.3	22.4	22.6
3H	21.7	22.7	22.1	23.0	23.3	21.9	22.8	22.2	23.1	23.4
4H	22.1	23.0	22.5	23.3	23.6	22.2	23.1	22.6	23.4	23.8
6H	22.4	23.1	22.8	23.5	23.9	22.5	23.2	22.9	23.6	24.0
8H	22.4	23.1	22.8	23.5	23.9	22.5	23.2	22.9	23.6	24.0
12H	22.5	23.1	22.9	23.5	23.9	22.5	23.2	23.0	23.6	24.0
8H 4H	22.2	22.9	22.6	23.3	23.7	22.3	23.0	22.7	23.4	23.8
6H	22.6	23.1	23.0	23.6	24.0	22.7	23.2	23.1	23.6	24.1
8H	22.7	23.2	23.1	23.6	24.1	22.7	23.3	23.2	23.7	24.2
12H	22.7	23.2	23.2	23.6	24.1	22.8	23.2	23.3	23.7	24.2
12H 4H	22.2	22.8	22.6	23.2	23.6	22.3	23.0	22.7	23.4	23.8
6H	22.6	23.1	23.0	23.5	24.0	22.7	23.2	23.1	23.6	24.1
8H	22.7	23.1	23.2	23.6	24.1	22.8	23.2	23.3	23.7	24.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.7					+ 0.6 / - 0.7				
1.5H	+ 0.5 / - 0.5					+ 0.5 / - 0.5				
2.0H	+ 1.2 / - 0.8					+ 1.4 / - 0.9				

CIE Pub.117, 5286 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.8)
Area: 0.082 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.177m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:

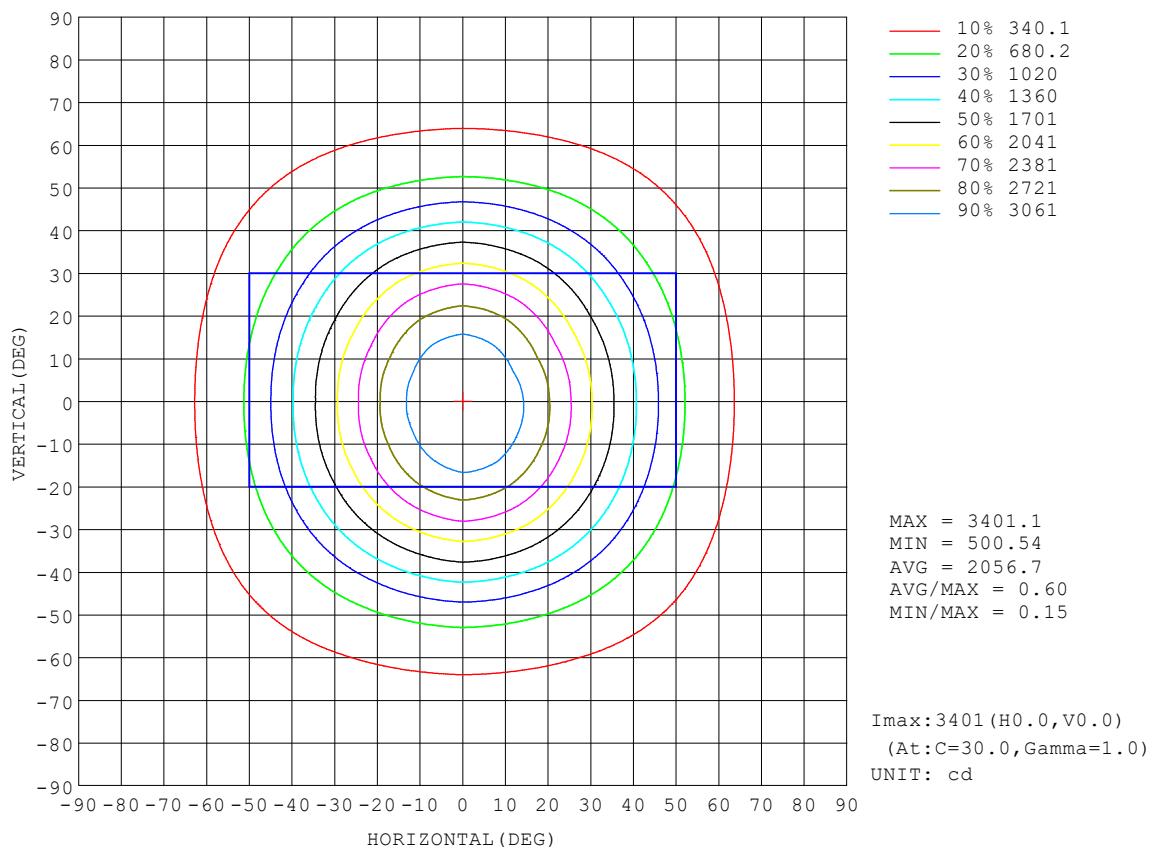
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	60	54	69	60	54	68	59	54	49
0.80	79	70	64	78	69	64	76	68	63	57
1.00	86	77	72	85	77	71	83	77	71	65
1.25	92	84	78	91	83	78	88	82	77	71
1.50	96	89	83	95	88	83	92	86	82	75
2.00	101	95	90	100	94	89	96	91	88	81
2.50	104	98	94	102	97	93	99	94	91	83
3.00	107	101	97	105	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	98	89
5.00	111	108	105	109	106	103	105	102	100	91
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 12.177m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:

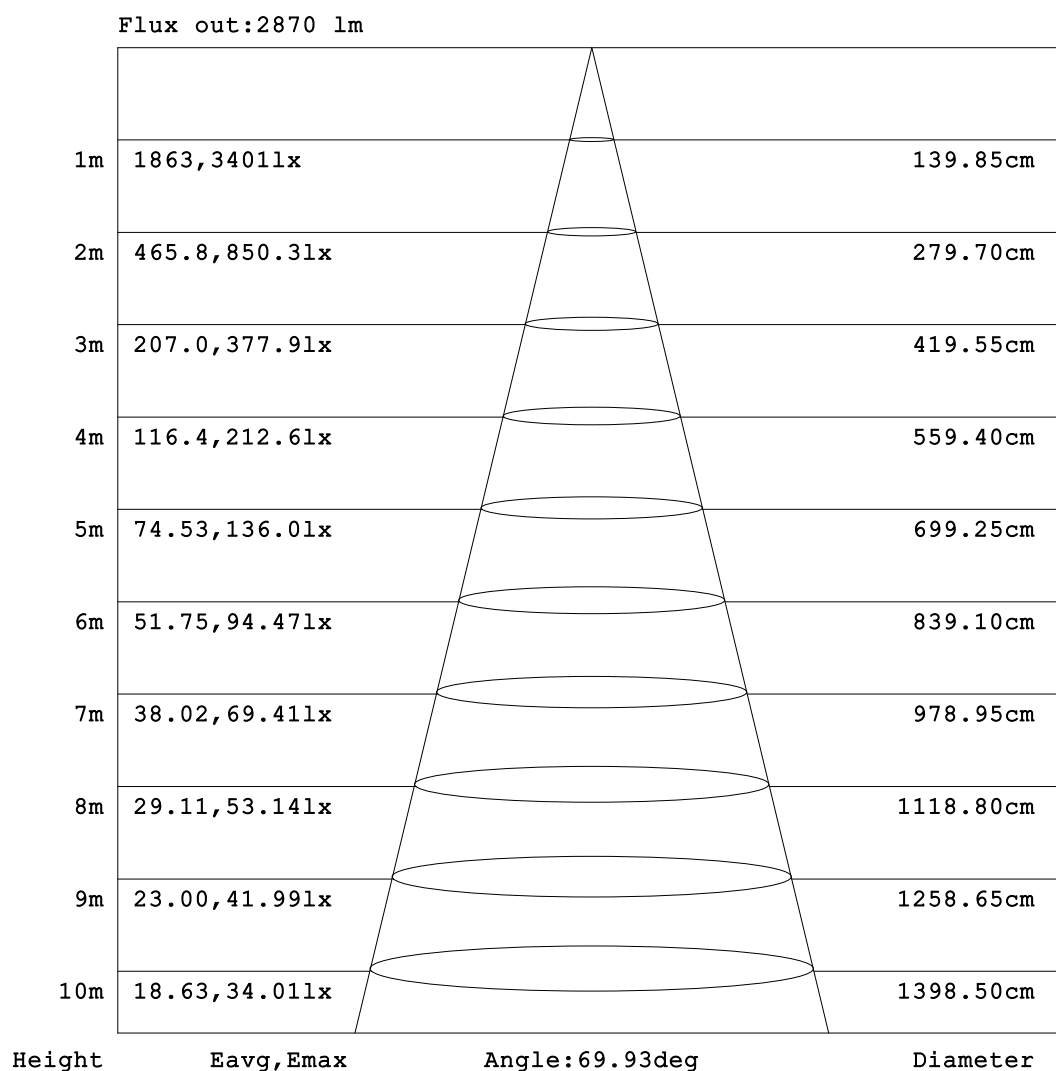


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.177m [K=1.0000]
Remarks:

AAI Figure

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:



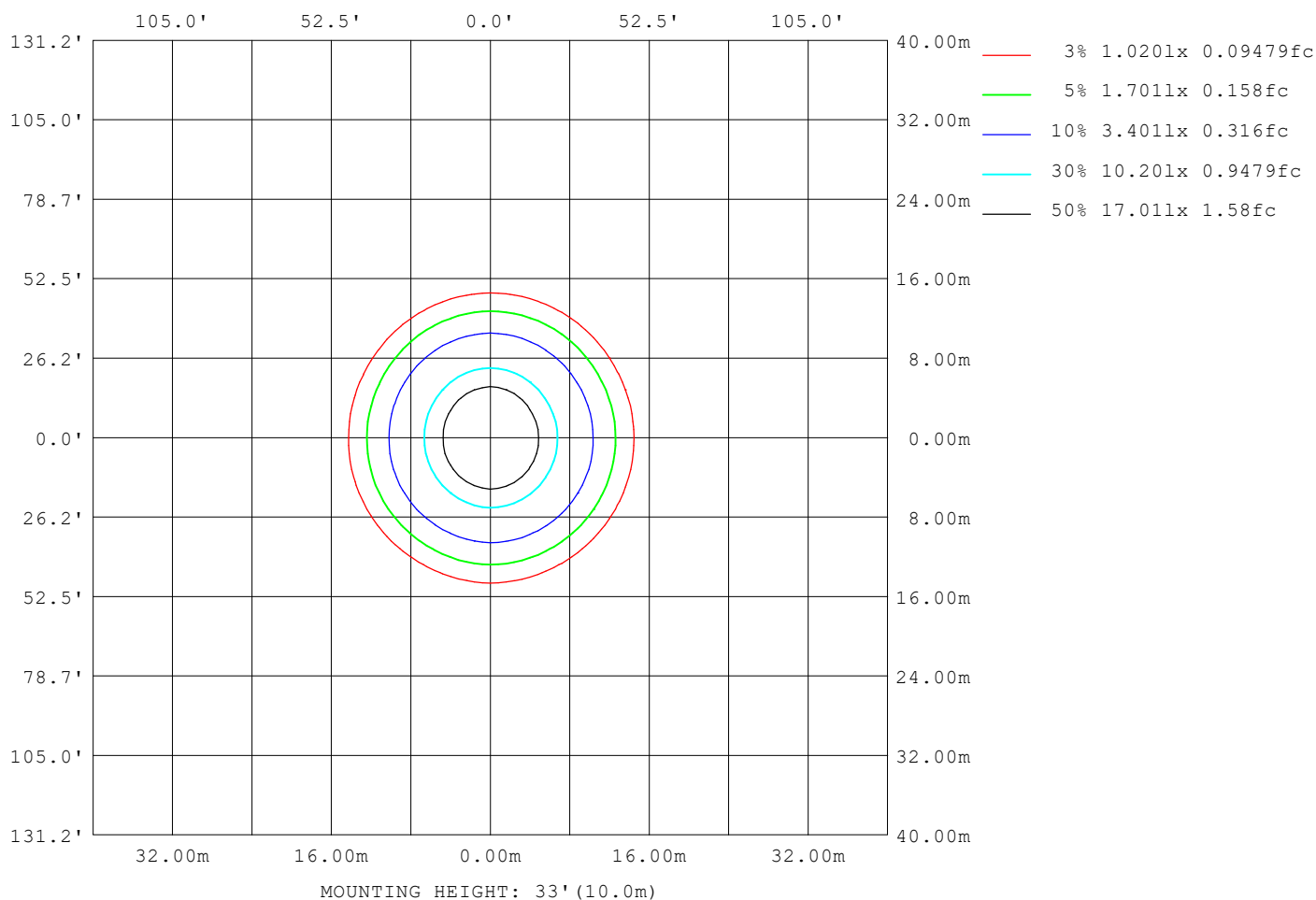
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2026-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:12.177m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.177m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:

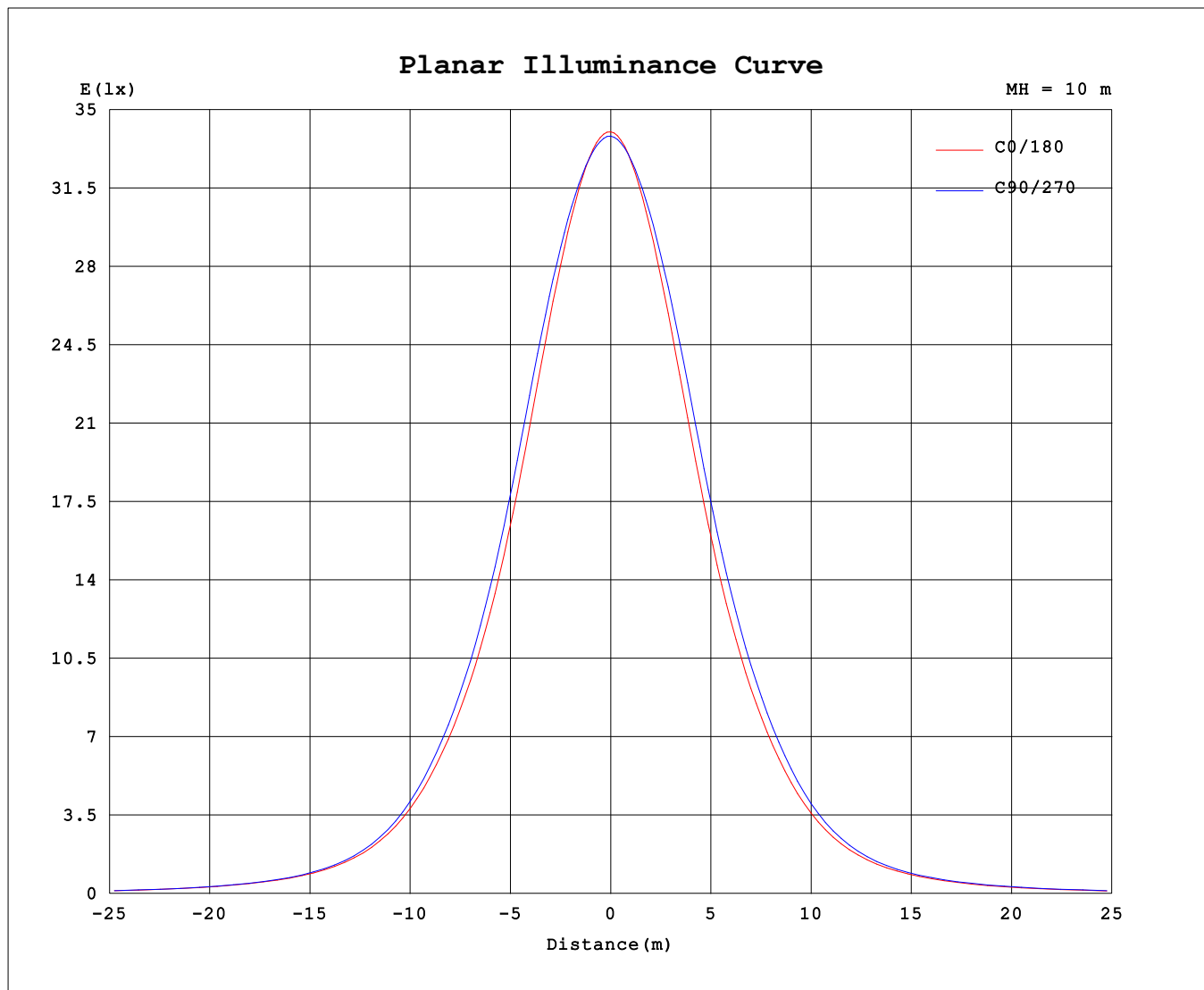
AvgL	cd/m2
L_0~180 (65) av	8749
L_0~180 (75) av	6510
L_0~180 (85) av	3655
L_90~270 (65) av	9213
L_90~270 (75) av	6935
L_90~270 (85) av	3523
L_45 (65) av	8879
L_45 (75) av	6617
L_45 (85) av	3670

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-04-08

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:12.177m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2026-04-08

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 12.177m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.07V I:0.2174A P:49.381W PF:0.9828 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:5286.42x1 lm		
NAME: 62001000501.50W.3K	TYPE: 62001000501.50W.3K	WEIGHT:
SPEC.: 62001000501.50W.3K	DIM.: 1438*65*42mm	SERIAL No.:
MFR.:	SUR.: 1432*57mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385	3385						
5	3346	3352	3355	3356	3347	3339	3325	3325	3337	3343	3343	3339						
10	3216	3235	3260	3270	3243	3210	3175	3186	3225	3245	3235	3212						
15	3013	3051	3108	3129	3077	3010	2958	2982	3056	3092	3067	3013						
20	2731	2785	2870	2909	2836	2737	2664	2703	2805	2862	2826	2743						
25	2397	2456	2551	2600	2516	2403	2328	2372	2488	2553	2509	2412						
30	2051	2108	2199	2247	2159	2054	1985	2028	2142	2207	2159	2065						
35	1721	1770	1847	1891	1808	1720	1659	1699	1799	1858	1813	1733						
40	1400	1439	1497	1537	1461	1391	1336	1369	1451	1507	1469	1408						
45	1071	1100	1134	1165	1098	1056	1011	1033	1092	1138	1110	1073						
50	779	796	816	836	792	764	733	742	784	817	802	778						
55	563	570	578	594	565	552	534	537	561	581	574	560						
60	419	422	423	432	414	409	399	401	416	428	422	416						
65	312	314	312	320	307	304	295	297	307	318	314	310						
70	223	225	222	228	217	215	208	210	218	228	223	222						
75	145	147	143	148	139	138	132	133	138	146	144	144						
80	77.6	79.4	76.1	78.0	72.0	72.2	67.1	68.0	70.0	75.1	75.1	76.2						
85	29.1	30.0	27.6	26.3	25.1	25.8	23.1	23.1	23.5	24.0	26.4	27.9						
90	1.62	2.64	2.74	2.42	2.17	1.44	1.01	1.75	2.21	1.18	2.31	1.89						
95	1.09	1.18	1.17	1.04	1.15	1.11	1.21	1.25	1.33	1.14	1.32	1.30						
100	1.00	1.26	1.22	1.41	1.30	1.36	1.50	1.41	1.64	1.51	1.53	1.34						
105	1.30	1.56	1.61	1.90	1.75	1.72	1.89	1.82	2.08	1.99	1.94	1.63						
110	1.72	1.99	2.14	2.47	2.32	2.20	2.39	2.35	2.67	2.61	2.50	2.12						
115	2.26	2.57	2.79	3.18	2.97	2.80	3.01	3.02	3.40	3.35	3.21	2.76						
120	2.94	3.26	3.56	3.98	3.74	3.50	3.77	3.80	4.21	4.16	4.02	3.53						
125	3.74	4.09	4.39	4.85	4.59	4.30	4.62	4.66	5.14	5.09	4.88	4.39						
130	4.61	4.99	5.34	5.81	5.57	5.22	5.62	5.65	6.13	6.09	5.88	5.37						
135	5.63	6.00	6.34	6.81	6.60	6.25	6.67	6.71	7.18	7.13	6.90	6.42						
140	6.69	7.07	7.38	7.85	7.64	7.30	7.76	7.78	8.23	8.16	7.94	7.50						
145	7.77	8.15	8.40	8.87	8.70	8.41	8.86	8.87	9.26	9.17	9.00	8.61						
150	8.90	9.25	9.44	9.88	9.73	9.52	9.97	9.92	10.3	10.2	10.02	9.72						
155	10.0	10.3	10.5	10.9	10.7	10.6	11.0	10.9	11.2	11.1	11.0	10.8						
160	11.1	11.3	11.4	11.8	11.7	11.6	12.0	11.9	12.1	12.0	11.9	11.7						
165	12.1	12.3	12.2	12.6	12.5	12.5	12.9	12.7	12.8	12.7	12.7	12.6						
170	13.0	13.0	12.9	13.2	13.2	13.3	13.6	13.3	13.4	13.3	13.4	13.3						
175	13.6	13.6	13.5	13.7	13.6	13.7	14.0	13.6	13.7	13.6	13.8	13.7						
180	13.9	13.9	13.7	13.8	13.8	13.8	14.0	13.7	13.7	13.8	13.8	13.8						

C Range: 0 - 360DEG
C Interval: 30.0DEG
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Operators:
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