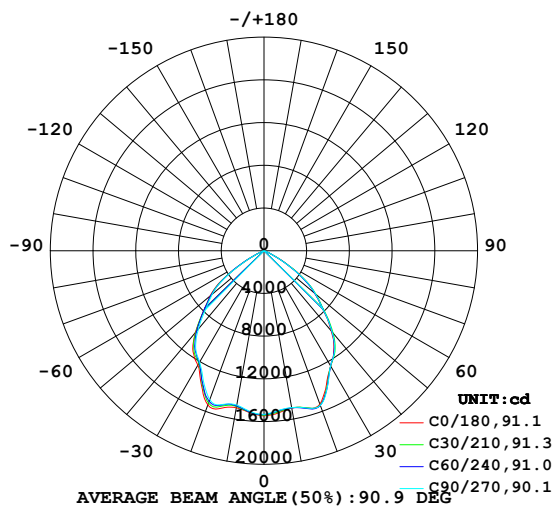


LUMINAIRE PHOTOMETRIC TEST REPORT

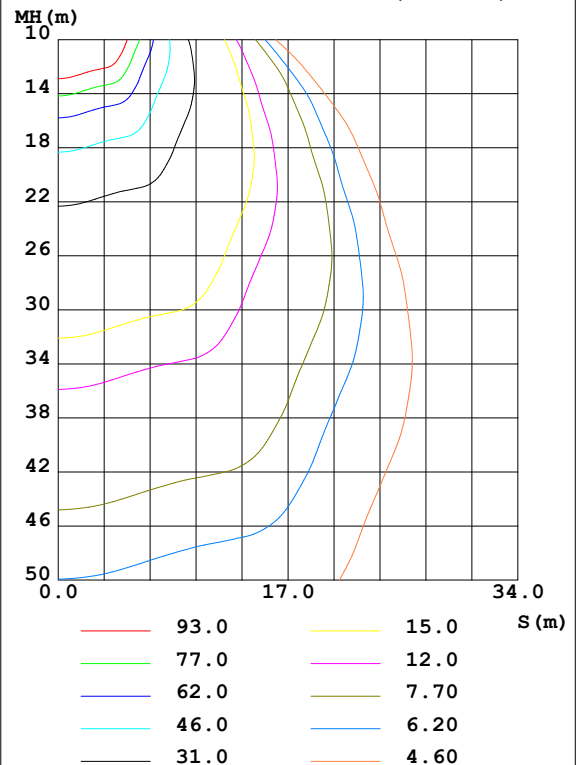
Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.56 lm/W			
MODEL	360-HB65-200W	I _{max} (cd)	15543	S/MH (C0/180)	1.20
NOMINAL POWER (W)	200	LOR (%)	100.0	S/MH (C90/270)	1.18
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	30446	η UP, DN (C0-180)	0.3, 49.8
NOMINAL FLUX (lm)	30446	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.4, 49.5
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	220	η down (%)	99.3	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [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	1497	1494	1491	1482	1494	1479	1468	1470	0- 10	1432	1432	4.7,4.7
20	1530	1540	1541	1522	1537	1510	1485	1487	10- 20	4286	5718	18.8,18.8
30	1248	1247	1247	1231	1238	1217	1206	1209	20- 30	6322	12039	39.5,39.5
40	979.1	996.9	991.3	983.9	1000	987.1	954.8	970.6	30- 40	7050	19090	62.7,62.7
50	622.7	627.8	628.4	631.0	658.5	645.9	633.6	628.2	40- 50	6152	25241	82.9,82.9
60	232.1	226.3	214.9	227.8	233.8	239.5	227.9	227.8	50- 60	3971	29213	95.9,95.9
70	13.74	14.28	14.64	15.10	15.26	15.04	13.46	13.45	60- 70	877.7	30090	98.8,98.8
80	5.688	5.952	6.052	5.928	5.554	5.482	5.261	5.362	70- 80	94.86	30185	99.1,99.1
90	2.905	2.884	2.863	2.858	2.743	2.728	2.714	2.710	80- 90	41.70	30227	99.3,99.3
100	2.825	2.799	2.776	2.771	2.920	2.905	2.898	2.892	90-100	30.60	30258	99.4,99.4
110	2.906	2.881	2.855	2.849	3.416	3.405	3.403	3.394	100-110	31.34	30289	99.5,99.5
120	3.145	3.118	3.096	3.090	3.877	3.861	3.860	3.851	110-120	33.09	30322	99.6,99.6
130	3.395	3.370	3.350	3.350	3.959	3.939	3.936	3.930	120-130	32.00	30354	99.7,99.7
140	3.561	3.537	3.520	3.523	4.177	4.152	4.142	4.134	130-140	28.95	30383	99.8,99.8
150	3.865	3.839	3.817	3.825	4.545	4.506	4.488	4.487	140-150	25.04	30408	99.9,99.9
160	4.328	4.305	4.284	4.286	4.832	4.788	4.760	4.763	150-160	20.14	30428	99.9,99.9
170	4.661	4.634	4.609	4.607	5.030	4.990	4.967	4.967	160-170	13.24	30441	100,100
180	4.821	4.792	4.778	4.774	4.836	4.792	4.778	4.775	170-180	4.582	30446	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 22375 lm

%lum = 73.5%

%lamp = 73.5%

Conical surface Flux(120deg): 29213 lm

%lum = 95.9%

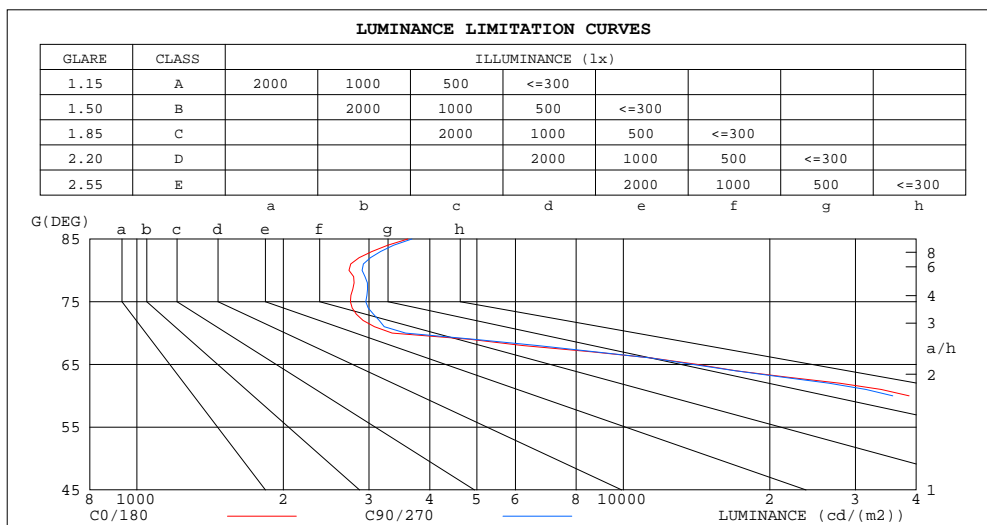
%lamp = 95.9%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:11.550m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3606	3675
80	2730	2904
75	2748	2955
70	3348	3567
65	14211	13910
60	38681	35810
55	65281	64943
50	80727	81464
45	92195	92686

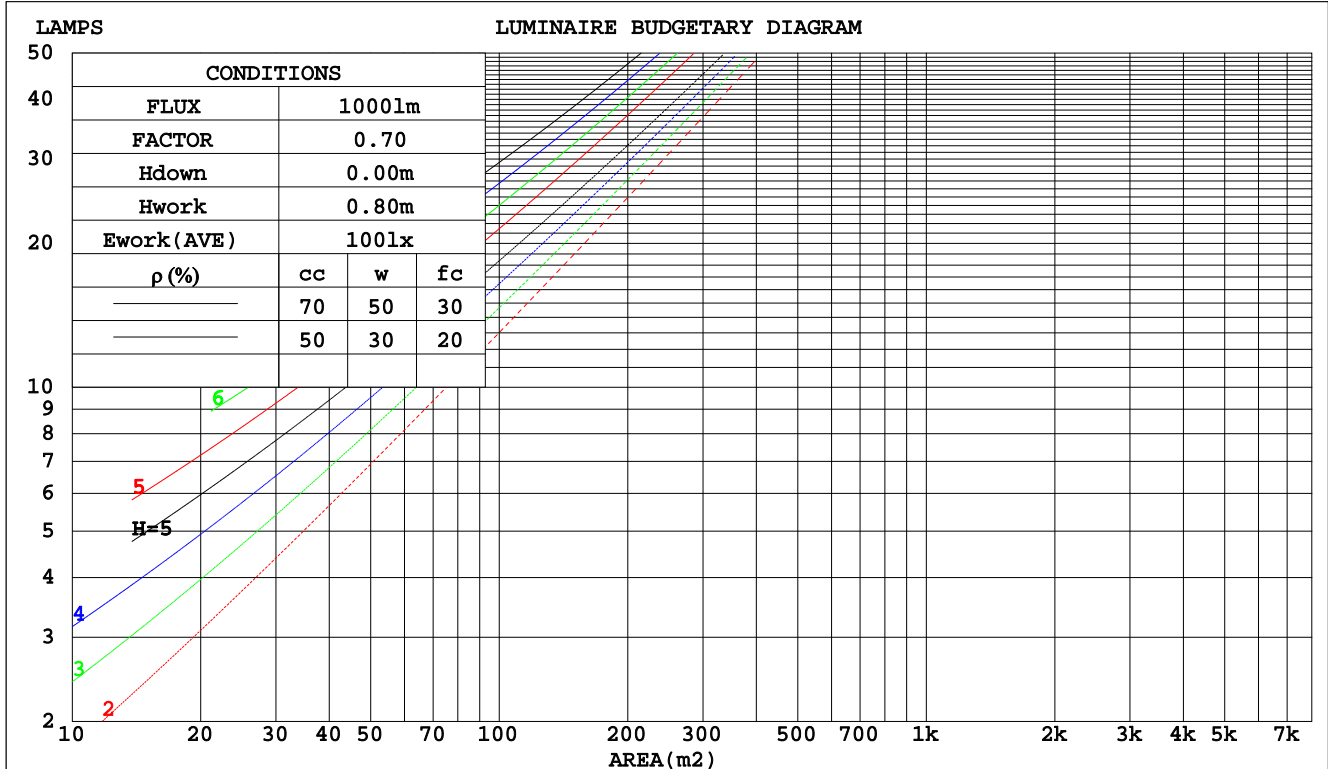
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.01	1.01	1.01	.99
1.0	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.91	.89
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.86	.83	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.76	.83	.78	.74	.81	.76	.73	.78	.75	.72	.70
4.0	.80	.72	.67	.78	.72	.66	.76	.70	.65	.74	.69	.64	.71	.67	.64	.62
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.57	.65	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.52	.63	.57	.52	.61	.56	.51	.60	.55	.51	.49
7.0	.60	.53	.47	.59	.52	.47	.58	.51	.47	.56	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.50	.43	.39	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.39	.35	.33



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	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	.227	.129	.041	.219	.125	.040	.206	.118	.038	.194	.112	.036	.183	.106	.034		
2.0	.223	.122	.037	.217	.119	.037	.205	.114	.035	.195	.109	.034	.185	.105	.033		
3.0	.214	.114	.034	.209	.112	.034	.199	.108	.033	.189	.104	.032	.181	.100	.031		
4.0	.204	.106	.031	.199	.104	.031	.190	.101	.030	.182	.098	.029	.174	.095	.029		
5.0	.193	.098	.029	.189	.097	.028	.181	.094	.028	.174	.092	.027	.167	.089	.027		
6.0	.183	.092	.026	.179	.091	.026	.172	.088	.026	.166	.086	.025	.160	.084	.025		
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.152	.079	.023		
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.150	.076	.022	.145	.075	.022		
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	.139	.070	.020		
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.180	.162	.146	.154	.139	.126	.105	.096	.087	.061	.055	.051	.019	.018	.016	
2.0	.169	.138	.112	.144	.119	.097	.099	.082	.067	.057	.048	.040	.018	.015	.013	
3.0	.159	.120	.088	.137	.103	.076	.094	.072	.053	.054	.042	.031	.017	.014	.010	
4.0	.151	.106	.071	.130	.091	.061	.089	.064	.043	.052	.037	.026	.017	.012	.008	
5.0	.144	.095	.058	.124	.082	.051	.085	.057	.036	.049	.034	.021	.016	.011	.007	
6.0	.138	.086	.049	.118	.075	.043	.082	.052	.030	.047	.031	.018	.015	.010	.006	
7.0	.131	.079	.042	.113	.069	.037	.078	.048	.026	.045	.028	.016	.015	.009	.005	
8.0	.126	.073	.037	.108	.064	.032	.075	.045	.023	.044	.026	.014	.014	.009	.005	
9.0	.121	.068	.033	.104	.059	.029	.072	.042	.020	.042	.025	.012	.014	.008	.004	
10.0	.116	.064	.030	.100	.056	.026	.069	.039	.018	.040	.023	.011	.013	.008	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:11.550m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm											
NAME: 360-HB65-200W					TYPE:			WEIGHT: 4.8KG			
SPEC.:					DIM.: \varnothing 360*178MM			SERIAL No.: 1			
MFR.:					SUR.: \varnothing 284MM			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	24.9	26.3	25.3	26.6	26.9	24.5	25.9	24.9	26.2	26.6	
	3H	24.8	26.0	25.2	26.4	26.7	24.4	25.6	24.8	26.0	26.4
	4H	24.8	25.9	25.2	26.2	26.6	24.4	25.5	24.8	25.9	26.3
	6H	24.7	25.7	25.1	26.1	26.5	24.3	25.3	24.7	25.7	26.1
	8H	24.6	25.6	25.1	26.0	26.4	24.3	25.2	24.7	25.6	26.1
	12H	24.6	25.5	25.1	25.9	26.4	24.2	25.2	24.7	25.6	26.0
4H	2H	24.8	25.9	25.2	26.3	26.7	24.4	25.5	24.8	25.9	26.3
	3H	24.7	25.6	25.1	26.0	26.4	24.3	25.2	24.8	25.7	26.1
	4H	24.6	25.4	25.1	25.9	26.3	24.3	25.1	24.7	25.5	26.0
	6H	24.6	25.2	25.0	25.7	26.2	24.2	24.9	24.7	25.3	25.8
	8H	24.5	25.1	25.0	25.6	26.1	24.1	24.8	24.6	25.2	25.7
	12H	24.5	25.0	25.0	25.5	26.0	24.1	24.7	24.6	25.2	25.7
8H	4H	24.5	25.1	25.0	25.6	26.1	24.1	24.8	24.6	25.2	25.7
	6H	24.4	24.9	24.9	25.4	25.9	24.0	24.6	24.6	25.1	25.6
	8H	24.4	24.8	24.9	25.4	25.9	24.0	24.5	24.5	25.0	25.5
	12H	24.3	24.7	24.8	25.2	25.8	24.0	24.4	24.5	24.9	25.5
12H	4H	24.5	25.0	25.0	25.5	26.0	24.1	24.7	24.6	25.1	25.6
	6H	24.4	24.8	24.9	25.3	25.9	24.0	24.5	24.5	24.9	25.5
	8H	24.3	24.7	24.8	25.2	25.8	23.9	24.4	24.5	24.9	25.5
CIE190: 2010											

CIE190: 2010
Area: 0.12 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\varnothing 360 \times 178 \text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\varnothing 284 \text{MM}$	Shielding Angle:

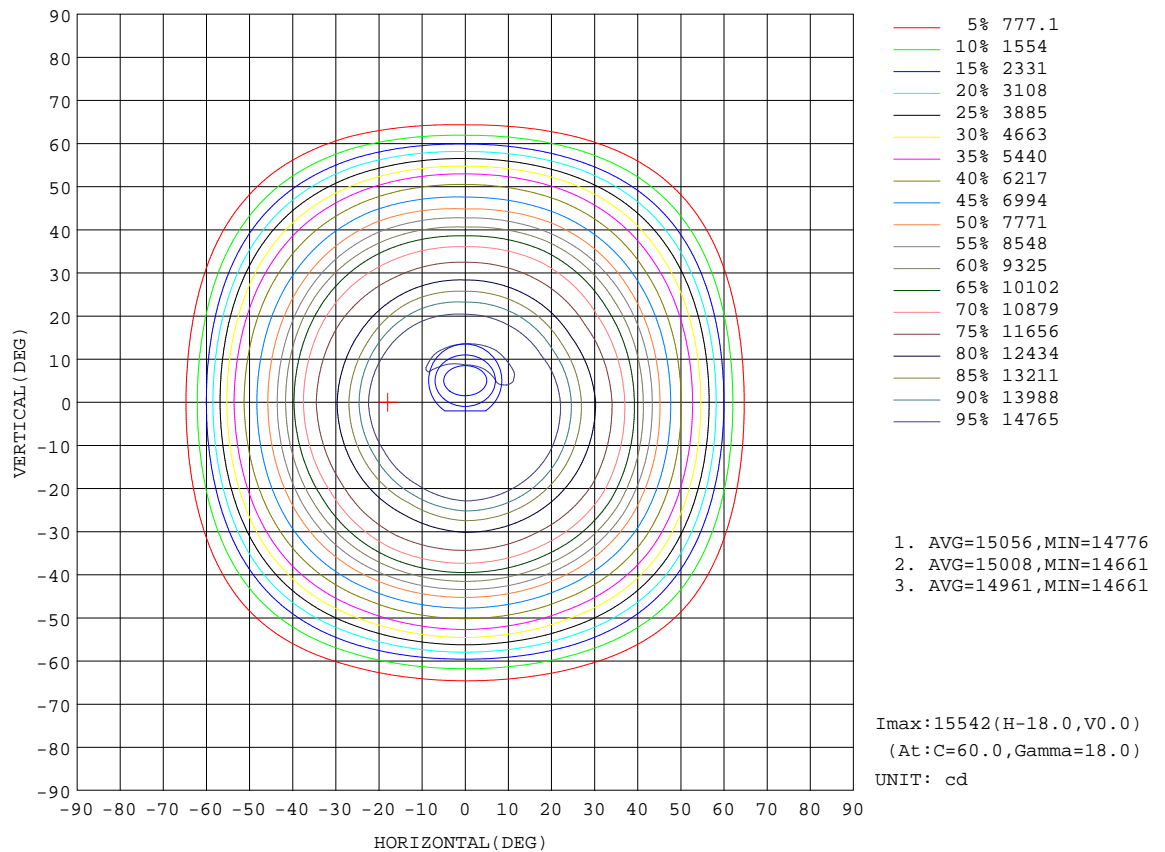
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	67	57	51	67	57	51	65	57	51	46
0.80	78	68	62	77	68	62	75	67	62	56
1.00	86	77	72	85	77	72	83	78	71	65
1.25	93	85	79	91	84	79	89	83	78	72
1.50	97	90	84	95	89	84	93	87	83	77
2.00	102	96	91	101	95	91	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	102	98	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	98	90
5.00	112	108	105	109	106	103	105	102	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:

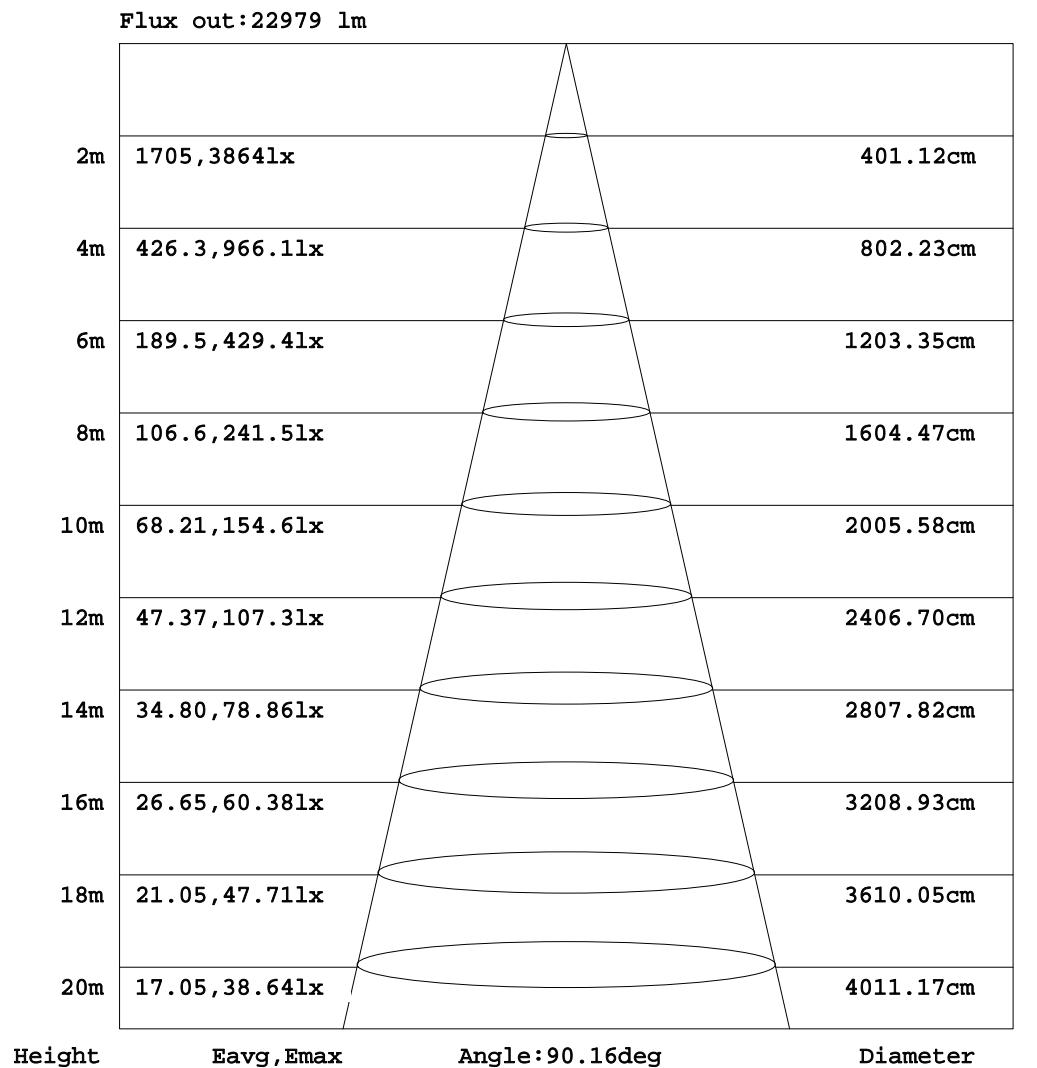


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:



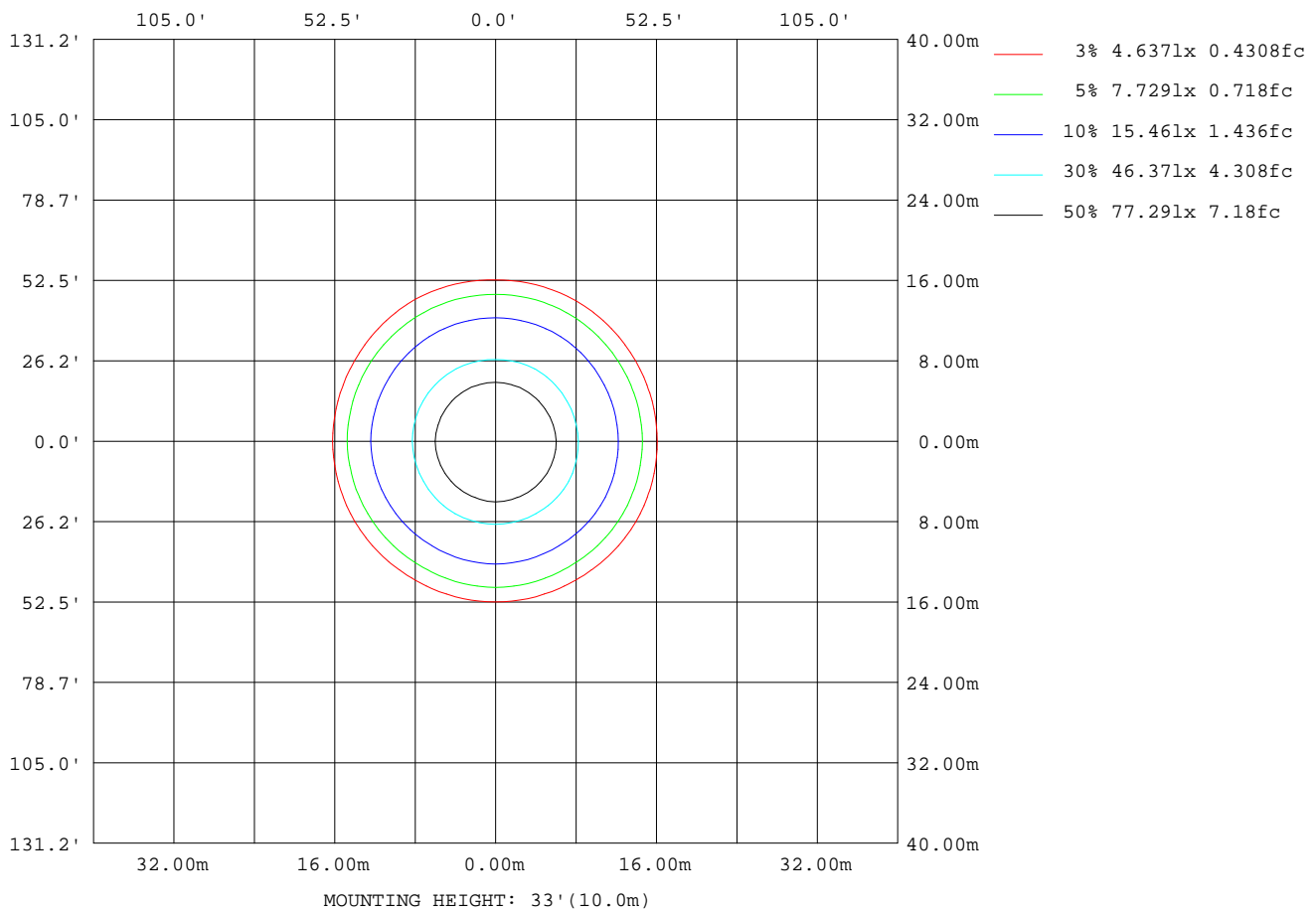
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 11.550m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: $\phi 360 \times 178\text{MM}$	SERIAL No.: 1
MFR.:	SUR.: $\phi 284\text{MM}$	Shielding Angle:

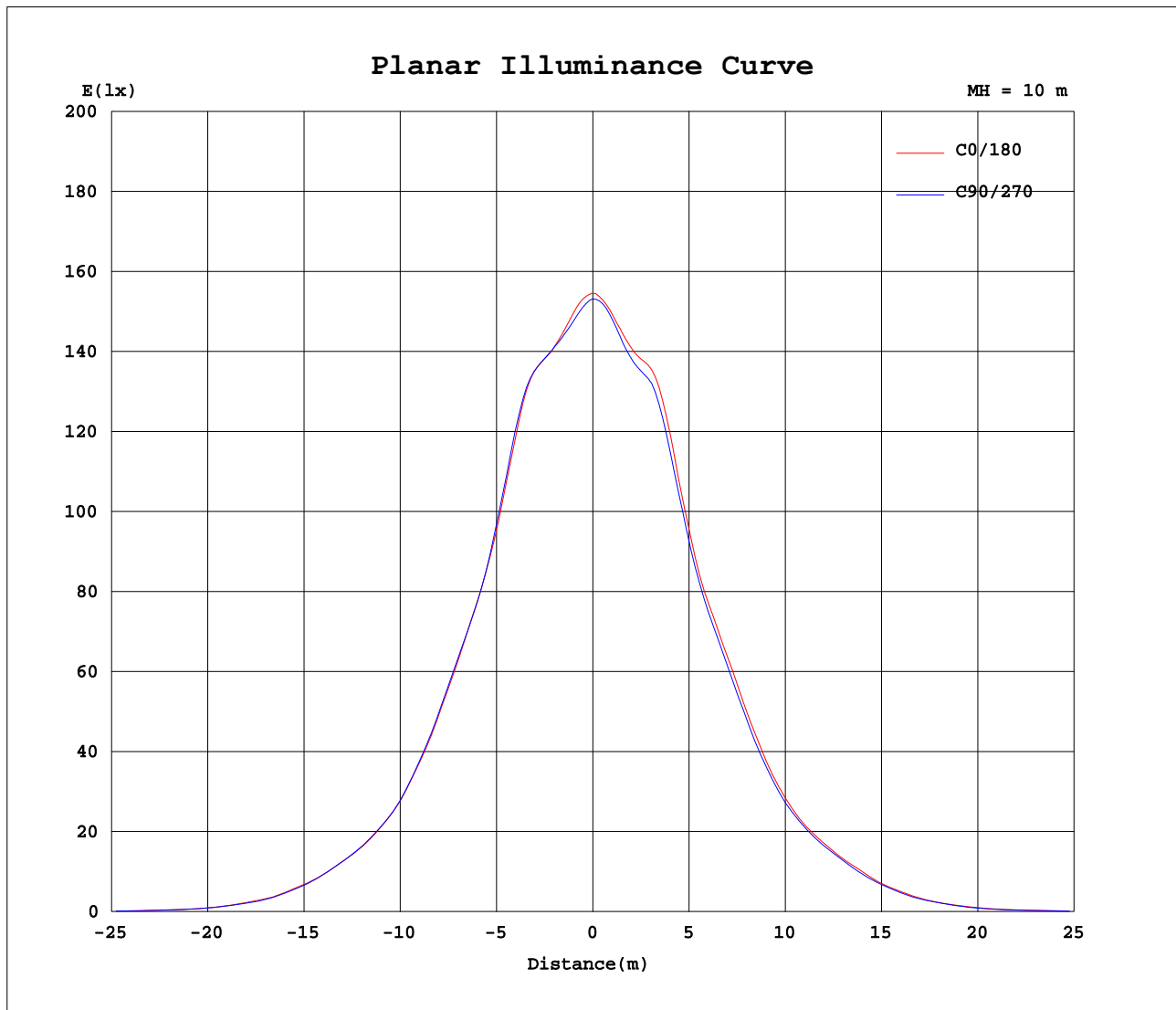
AvgL	cd/m2
L_0~180 (65) av	14189
L_0~180 (75) av	2726
L_0~180 (85) av	3533
L_90~270 (65) av	13272
L_90~270 (75) av	2790
L_90~270 (85) av	3476
L_45 (65) av	14089
L_45 (75) av	2774
L_45 (85) av	3492

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:11.550m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-1-8

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 11.550m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.05V I:0.9736A P:203.57W PF:0.9707 Freq:49.99Hz Lamp Flux:30446x1 lm		
NAME: 360-HB65-200W	TYPE:	WEIGHT: 4.8KG
SPEC.:	DIM.: ϕ 360*178MM	SERIAL No.: 1
MFR.:	SUR.: ϕ 284MM	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1546	1541	1535	1532	1528	1525	1546	1541	1535	1532	1528	1525						
5	1525	1516	1506	1503	1497	1496	1522	1518	1518	1510	1510	1504						
10	1497	1494	1494	1491	1485	1478	1494	1482	1476	1468	1470	1470						
15	1523	1523	1528	1524	1520	1513	1526	1506	1494	1490	1486	1491						
20	1530	1538	1542	1541	1528	1515	1537	1519	1500	1485	1484	1489						
25	1385	1400	1406	1406	1380	1378	1386	1373	1365	1345	1347	1355						
30	1248	1248	1247	1247	1229	1232	1238	1220	1213	1206	1205	1213						
35	1140	1157	1144	1152	1152	1139	1157	1144	1127	1115	1121	1114						
40	979	1005	989	991	989	978	1000	992	982	955	978	963						
45	782	801	788	786	789	797	804	797	803	770	789	778						
50	623	635	620	628	622	639	659	644	647	634	637	620						
55	449	449	432	447	435	456	481	469	465	454	459	444						
60	232	227	225	215	226	230	234	238	241	228	225	231						
65	72.1	75.0	70.6	70.5	68.5	73.3	71.8	70.1	74.3	64.1	68.9	69.4						
70	13.7	14.3	14.3	14.6	14.7	15.5	15.3	15.0	15.1	13.5	13.4	13.5						
75	8.53	8.95	9.17	9.18	8.89	8.83	8.40	8.39	8.39	8.15	8.16	8.09						
80	5.69	5.98	5.92	6.05	5.89	5.97	5.55	5.46	5.50	5.26	5.42	5.30						
85	3.77	3.83	3.78	3.84	3.83	3.82	3.62	3.51	3.50	3.43	3.51	3.44						
90	2.91	2.89	2.87	2.86	2.86	2.86	2.74	2.73	2.72	2.71	2.71	2.71						
95	2.84	2.83	2.81	2.80	2.79	2.79	2.80	2.79	2.78	2.78	2.77	2.77						
100	2.82	2.81	2.79	2.78	2.77	2.77	2.92	2.91	2.90	2.90	2.89	2.89						
105	2.84	2.82	2.81	2.79	2.79	2.78	3.10	3.10	3.08	3.09	3.08	3.08						
110	2.91	2.89	2.87	2.85	2.85	2.85	3.42	3.41	3.39	3.40	3.39	3.40						
115	3.02	3.00	2.98	2.97	2.96	2.96	3.74	3.73	3.71	3.72	3.71	3.71						
120	3.14	3.13	3.11	3.10	3.09	3.09	3.88	3.87	3.86	3.86	3.86	3.84						
125	3.27	3.25	3.24	3.23	3.22	3.22	3.91	3.90	3.89	3.89	3.89	3.88						
130	3.39	3.38	3.36	3.35	3.35	3.35	3.96	3.94	3.94	3.94	3.93	3.93						
135	3.48	3.46	3.45	3.44	3.44	3.44	4.05	4.03	4.02	4.02	4.01	4.01						
140	3.56	3.54	3.53	3.52	3.52	3.52	4.18	4.16	4.14	4.14	4.13	4.13						
145	3.66	3.65	3.64	3.62	3.63	3.62	4.37	4.35	4.33	4.32	4.32	4.32						
150	3.87	3.84	3.84	3.82	3.83	3.82	4.54	4.52	4.50	4.49	4.49	4.49						
155	4.11	4.09	4.09	4.07	4.08	4.07	4.69	4.67	4.64	4.63	4.63	4.63						
160	4.33	4.31	4.30	4.28	4.29	4.29	4.83	4.80	4.78	4.76	4.76	4.76						
165	4.51	4.50	4.48	4.46	4.46	4.46	4.96	4.92	4.90	4.88	4.88	4.88						
170	4.66	4.65	4.62	4.61	4.61	4.60	5.03	5.00	4.98	4.97	4.97	4.96						
175	4.68	4.67	4.64	4.63	4.63	4.63	4.97	4.93	4.92	4.90	4.91	4.90						
180	4.82	4.81	4.78	4.78	4.77	4.77	4.84	4.80	4.78	4.78	4.78	4.77						

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C Interval: 30.0DEG
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