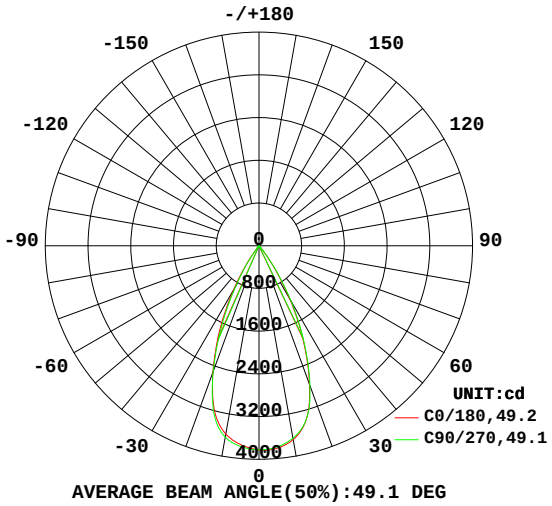
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

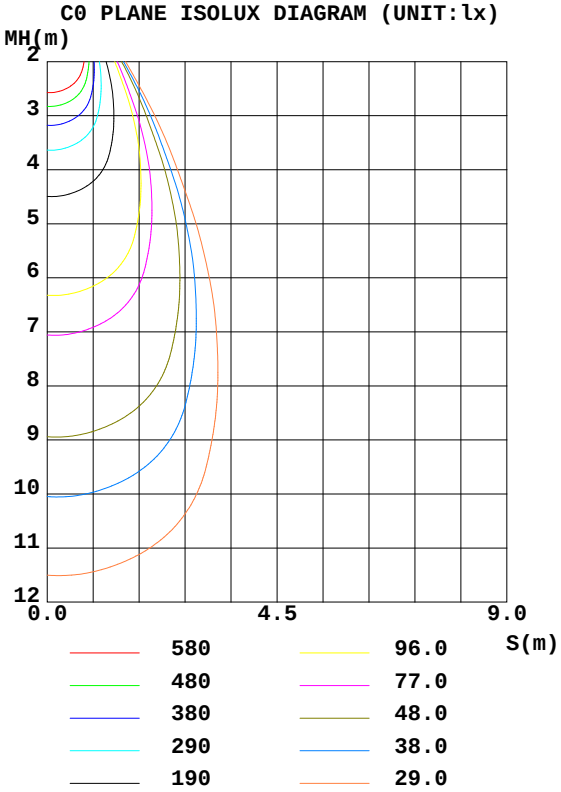
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 73.93 lm/W	
MODEL		Imax(cd)	3833	S/MH(C0/180)	0.73
NOMINAL POWER(W)	34	LOR(%)	88.3	S/MH(C90/270)	0.72
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2498.2	η UP,DN(C0-180)	1.0,45.6
NOMINAL FLUX(lm)	2830.46	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,40.6
LAMPS INSIDE	1	η up(%)	2.1	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	86.1	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):49.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

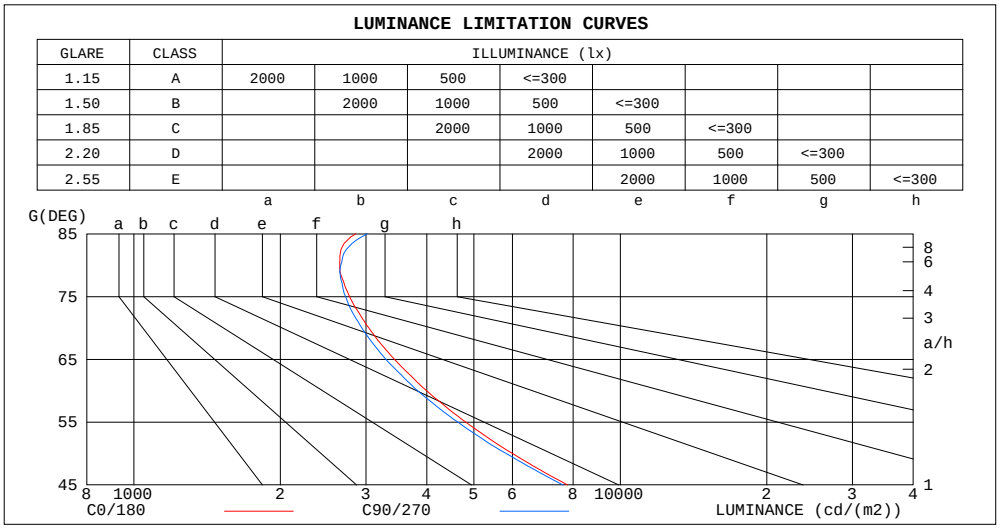
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3686	3702	3661	3601	3581	3627	3640	3624	0- 10	356.5	356.5	14.3,12.6
20	2765	2822	2788	2669	2530	2532	2513	2557	10- 20	905.8	1262	50.5,44.6
30	1162	1202	1216	1132	934.2	864.4	846.4	951.1	20- 30	829.3	2092	83.7,73.9
40	98.39	106.3	108.4	77.19	59.22	57.80	57.73	67.73	30- 40	271.8	2363	94.6,83.5
50	32.63	31.90	31.81	30.73	29.10	28.35	27.78	30.50	40- 50	34.91	2398	96,84.7
60	16.91	16.55	16.28	15.96	15.31	14.91	14.50	15.72	50- 60	19.77	2418	96.8,85.4
70	8.798	8.764	8.554	8.343	7.876	7.620	7.425	7.991	60- 70	11.48	2430	97.3,85.8
80	3.892	4.036	3.929	3.675	3.238	3.040	3.003	3.324	70- 80	5.991	2436	97.5,86
90	0.6457	0.8124	0.7967	0.5632	0.4976	0.4832	0.4867	0.4695	80- 90	2.059	2438	97.6,86.1
100	0.6162	0.6020	0.6013	0.6044	0.6165	0.6068	0.6172	0.5892	90-100	0.6040	2438	97.6,86.1
110	1.172	1.093	1.091	1.196	1.384	1.411	1.432	1.315	100-110	0.8690	2439	97.6,86.2
120	3.902	3.670	3.630	3.952	4.482	4.603	4.604	4.318	110-120	2.423	2441	97.7,86.3
130	9.686	9.378	9.329	9.823	10.64	10.88	10.85	10.30	120-130	6.122	2448	98,86.5
140	17.80	17.46	17.43	17.99	19.03	19.32	19.28	18.60	130-140	10.82	2458	98.4,86.9
150	26.42	25.92	25.83	26.36	27.30	27.64	27.61	27.10	140-150	14.14	2473	99,87.4
160	31.92	31.08	30.73	31.08	32.06	31.98	31.91	31.76	150-160	13.64	2486	99.5,87.8
170	32.00	31.35	30.99	31.02	31.88	31.63	31.74	31.62	160-170	8.984	2495	99.9,88.2
180	32.33	32.64	32.37	32.51	32.35	32.67	32.39	32.53	170-180	3.025	2498	100,88.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2859	3017
80	2649	2662
75	2776	2724
70	3040	2943
65	3433	3296
60	3998	3831
55	4811	4634
50	6000	5823
45	7788	7618

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

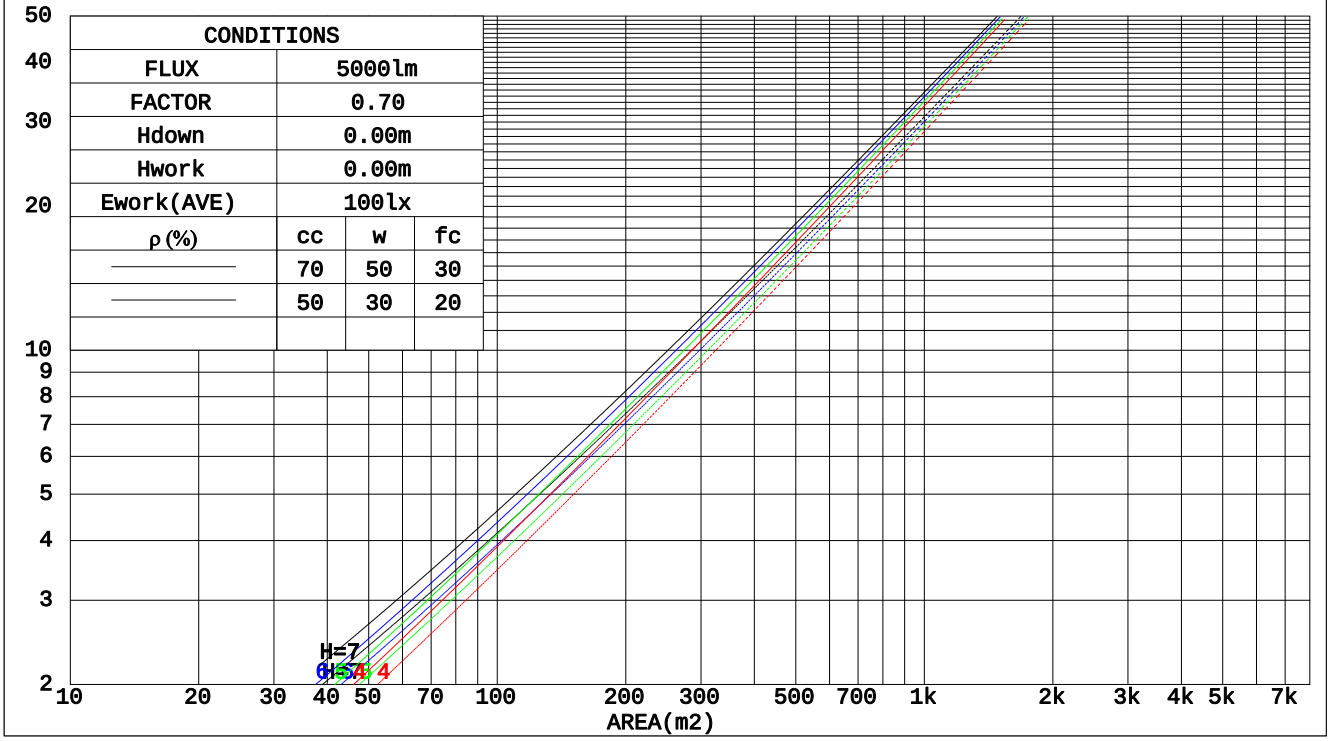
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.05	1.05	1.05	1.02	1.02	1.02	.97	.97	.97	.92	.92	.92	.88	.88	.88	.86
1.0	.98	.96	.94	.96	.94	.92	.92	.90	.89	.88	.87	.86	.85	.84	.83	.81
2.0	.92	.88	.86	.90	.87	.84	.87	.84	.82	.84	.82	.80	.81	.80	.78	.77
3.0	.86	.82	.79	.85	.81	.78	.82	.79	.77	.80	.77	.75	.78	.76	.74	.72
4.0	.81	.77	.74	.80	.76	.73	.78	.75	.72	.76	.73	.71	.74	.72	.70	.69
5.0	.77	.72	.69	.76	.72	.68	.74	.70	.68	.73	.69	.67	.71	.68	.66	.65
6.0	.73	.68	.65	.72	.68	.64	.71	.67	.64	.69	.66	.63	.68	.65	.63	.61
7.0	.69	.64	.61	.69	.64	.61	.67	.63	.60	.66	.63	.60	.65	.62	.60	.58
8.0	.66	.61	.58	.65	.61	.58	.64	.60	.57	.63	.60	.57	.62	.59	.57	.55
9.0	.63	.58	.55	.62	.58	.55	.61	.57	.54	.60	.57	.54	.60	.56	.54	.53
10.0	.60	.55	.52	.59	.55	.52	.59	.55	.52	.58	.54	.52	.57	.54	.51	.50

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.147	.084	.027	.141	.080	.026	.129	.074	.024	.117	.068	.022	.107	.062	.020	
2.0	.139	.076	.023	.134	.074	.023	.123	.069	.021	.114	.064	.020	.105	.059	.019	
3.0	.131	.070	.021	.127	.068	.020	.118	.064	.019	.110	.060	.018	.102	.056	.017	
4.0	.125	.065	.019	.120	.063	.019	.113	.060	.018	.106	.057	.017	.099	.054	.016	
5.0	.118	.060	.017	.115	.059	.017	.108	.056	.017	.102	.054	.016	.096	.051	.015	
6.0	.113	.056	.016	.110	.055	.016	.104	.053	.015	.098	.051	.015	.093	.049	.015	
7.0	.108	.053	.015	.105	.052	.015	.100	.050	.014	.095	.048	.014	.090	.047	.014	
8.0	.103	.050	.014	.100	.049	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013	
9.0	.099	.048	.013	.096	.047	.013	.092	.046	.013	.088	.044	.013	.084	.043	.012	
10.0	.095	.045	.013	.093	.045	.013	.089	.044	.012	.085	.042	.012	.082	.041	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.184	.184	.184	.158	.158	.158	.108	.108	.108	.062	.062	.062	.020	.020	.020	
1.0	.167	.155	.145	.143	.133	.125	.098	.092	.086	.056	.053	.050	.018	.017	.016	
2.0	.153	.134	.117	.131	.115	.101	.090	.080	.071	.052	.046	.041	.017	.015	.014	
3.0	.141	.117	.097	.121	.101	.084	.083	.070	.059	.048	.041	.035	.015	.013	.011	
4.0	.132	.104	.082	.113	.090	.072	.078	.062	.050	.045	.037	.030	.014	.012	.010	
5.0	.124	.093	.071	.106	.081	.062	.073	.056	.044	.042	.033	.026	.014	.011	.009	
6.0	.117	.085	.062	.100	.074	.054	.069	.052	.038	.040	.030	.023	.013	.010	.008	
7.0	.111	.078	.055	.095	.068	.048	.066	.048	.034	.038	.028	.020	.012	.009	.007	
8.0	.106	.073	.050	.091	.063	.044	.063	.044	.031	.037	.026	.018	.012	.009	.006	
9.0	.101	.068	.046	.087	.059	.040	.060	.041	.028	.035	.024	.017	.011	.008	.006	
10.0	.097	.064	.042	.084	.056	.037	.058	.039	.026	.034	.023	.016	.011	.008	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	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	13.2	14.0	13.5	14.2	14.4	13.4	14.2	13.6	14.4	14.6
3H	13.1	13.9	13.4	14.1	14.4	13.3	14.1	13.6	14.3	14.5
4H	13.1	13.8	13.4	14.1	14.3	13.3	14.0	13.6	14.2	14.5
6H	13.0	13.7	13.4	14.0	14.3	13.2	13.9	13.5	14.2	14.5
8H	13.0	13.7	13.4	14.0	14.3	13.2	13.8	13.5	14.1	14.4
12H	13.0	13.6	13.3	13.9	14.2	13.2	13.8	13.5	14.1	14.4
4H 2H	13.0	13.7	13.3	14.0	14.2	13.2	13.9	13.5	14.2	14.4
3H	12.9	13.6	13.3	13.9	14.2	13.1	13.7	13.5	14.1	14.4
4H	12.9	13.5	13.3	13.8	14.2	13.1	13.7	13.5	14.0	14.4
6H	12.9	13.4	13.3	13.8	14.2	13.1	13.6	13.5	13.9	14.3
8H	12.9	13.4	13.3	13.8	14.2	13.0	13.5	13.5	13.9	14.3
12H	12.9	13.3	13.3	13.7	14.2	13.0	13.5	13.5	13.9	14.3
8H 4H	12.8	13.3	13.2	13.7	14.1	13.0	13.4	13.4	13.8	14.3
6H	12.8	13.2	13.3	13.6	14.1	13.0	13.4	13.4	13.8	14.3
8H	12.8	13.2	13.3	13.6	14.1	13.0	13.3	13.5	13.8	14.3
12H	12.8	13.1	13.3	13.6	14.1	13.0	13.3	13.5	13.8	14.3
12H 4H	12.8	13.2	13.2	13.6	14.0	12.9	13.4	13.4	13.8	14.2
6H	12.8	13.1	13.3	13.6	14.1	12.9	13.3	13.4	13.7	14.2
8H	12.8	13.1	13.3	13.6	14.1	12.9	13.2	13.5	13.7	14.2
Variations with the observer position at spacings:										
S = 1.0H	+ 3.2 / - 3.1					+ 3.6 / - 3.5				
1.5H	+ 5.4 / - 2.6					+ 5.9 / - 3.0				
2.0H	+ 1.2 / - 0.7					+ 1.2 / - 0.8				

CIE Pub.117, 2830 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.6)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

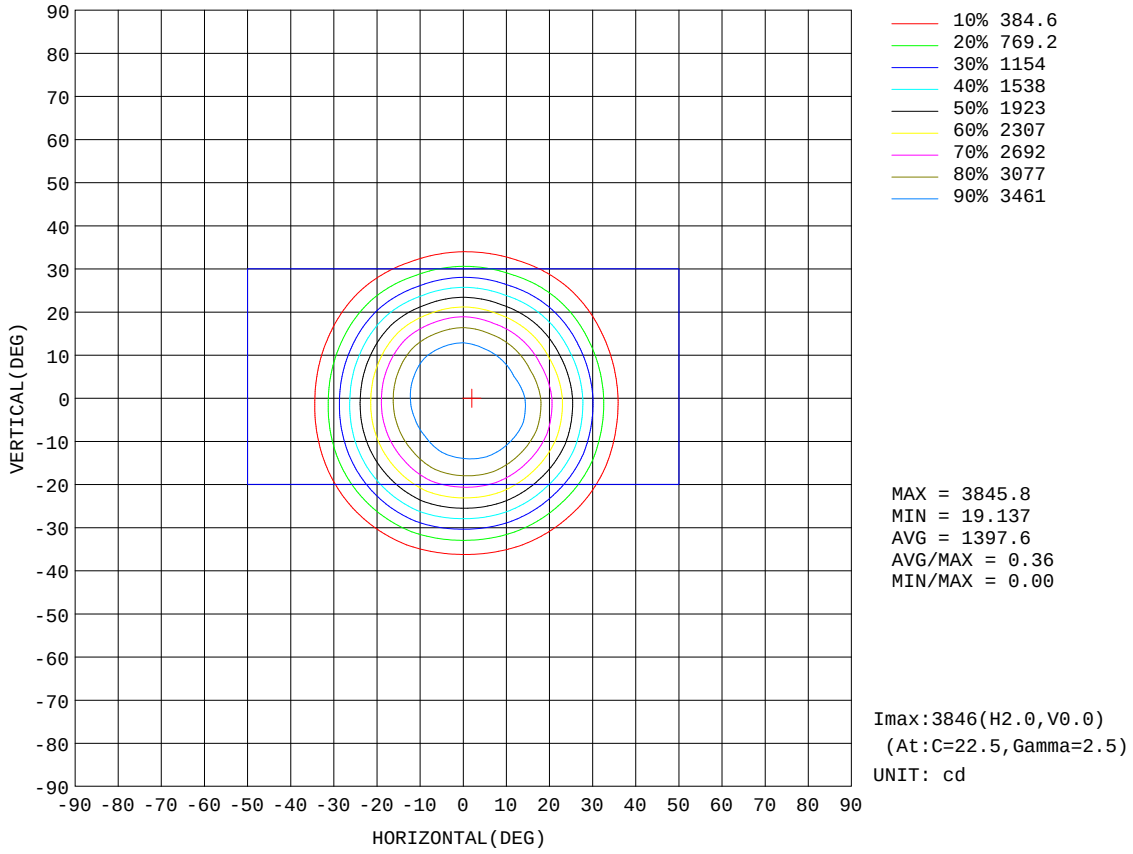
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	78	73	69	77	72	69	77	72	69	66
0.80	84	79	76	84	79	76	82	78	76	72
1.00	88	83	80	87	83	80	85	82	79	75
1.25	91	87	84	90	86	83	88	85	82	79
1.50	93	89	86	92	89	86	90	87	85	81
2.00	96	92	89	94	91	88	91	89	87	82
2.50	97	94	91	95	92	90	92	90	88	83
3.00	98	95	93	97	94	92	93	91	90	83
4.00	100	98	96	98	96	94	95	93	92	85
5.00	101	99	98	99	97	96	95	94	93	86
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: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



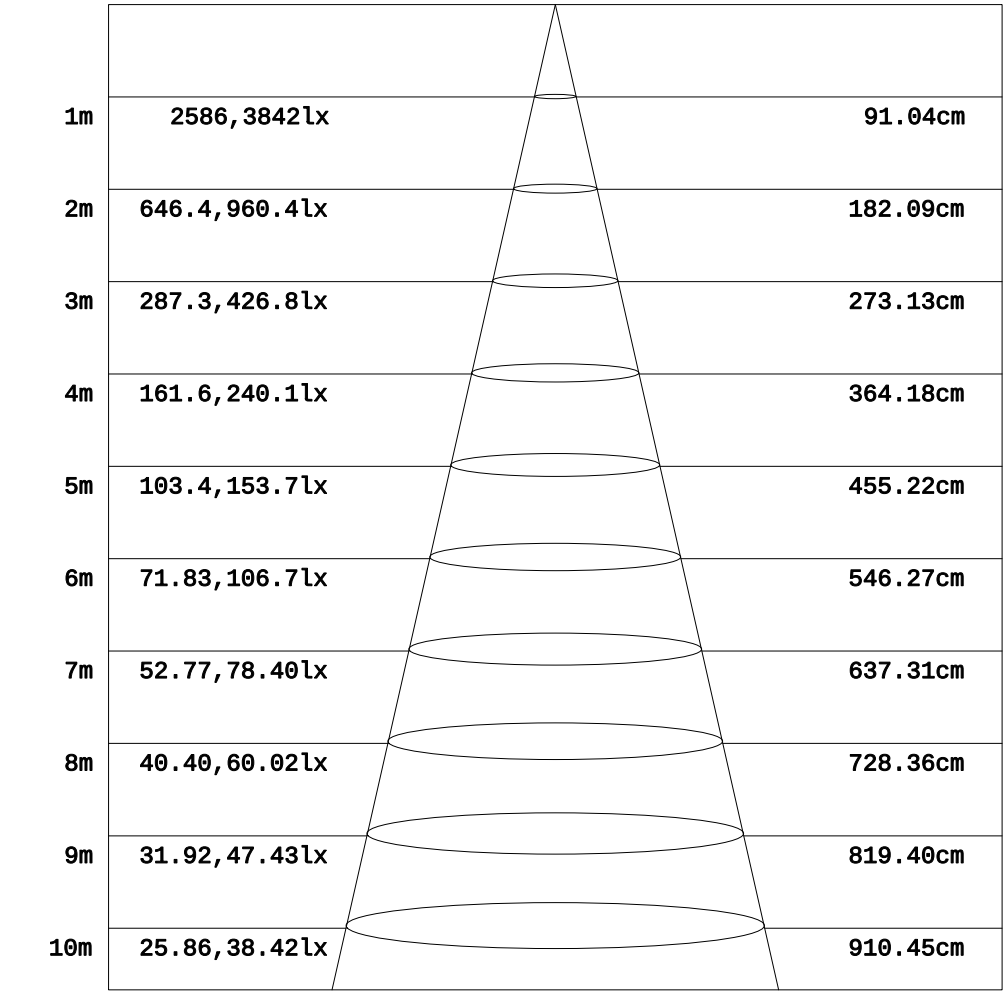
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

AAI Figure

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1687 lm



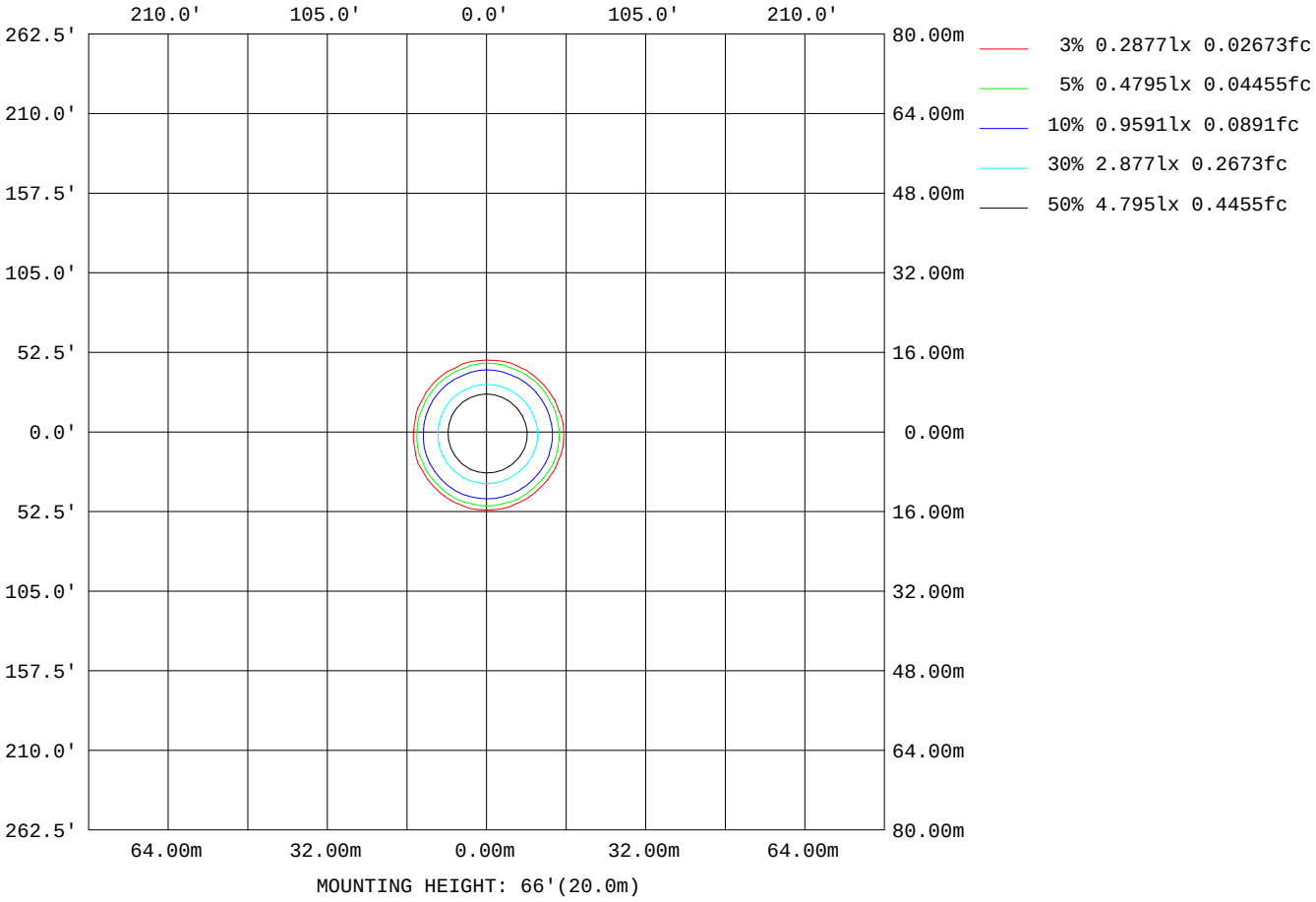
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: vM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

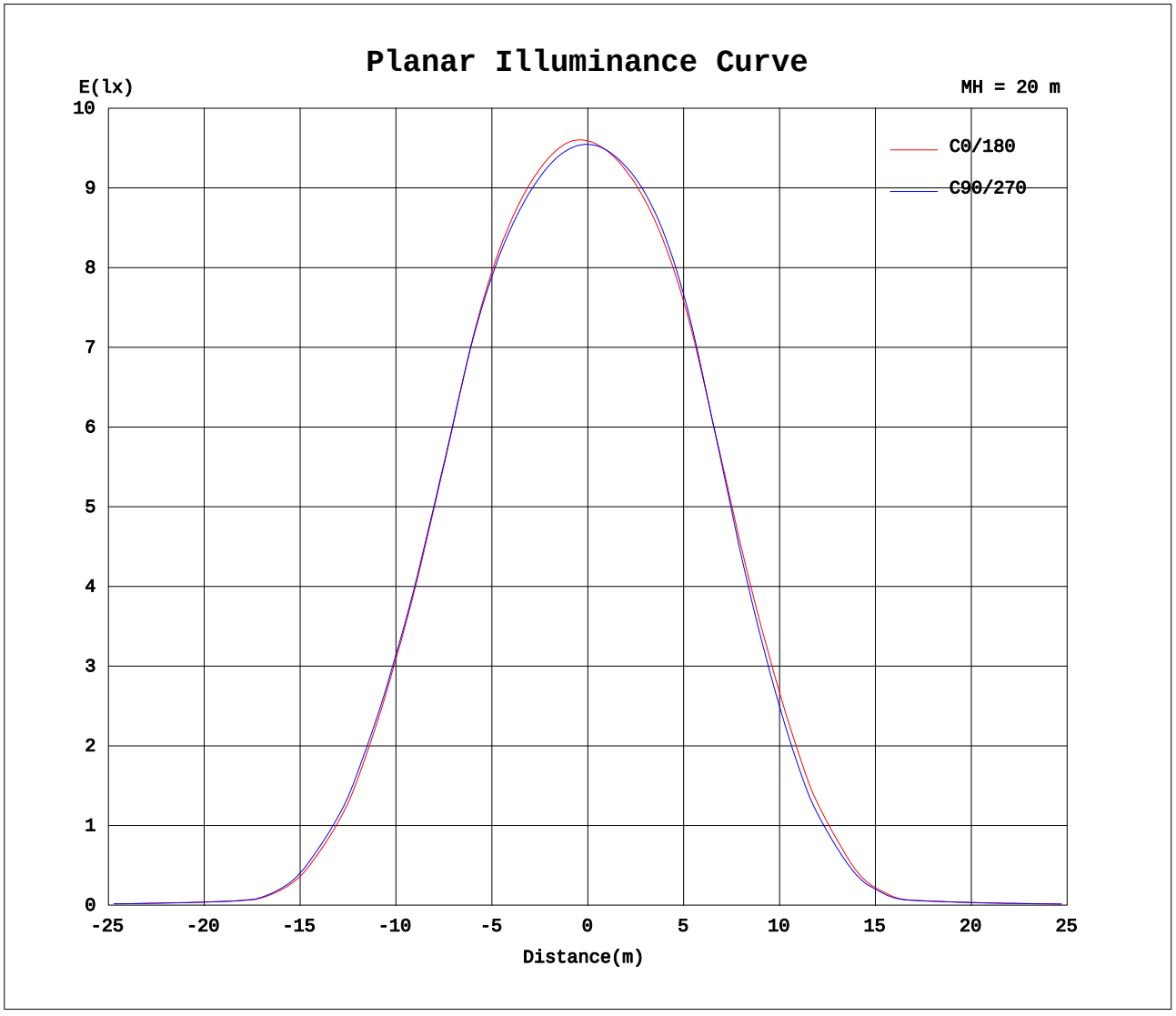
AvgL	cd/m2
L_0~180(65)av	3261
L_0~180(75)av	2594
L_0~180(85)av	2491
L_90~270(65)av	3112
L_90~270(75)av	2498
L_90~270(85)av	2465
L_45(65)av	3192
L_45(75)av	2551
L_45(85)av	2472

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:HTJ
Test Date:2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM090	TYPE:	WEIGHT:1
SPEC.:BR 3000K 34W 90CRI 55D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(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	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823	3823			
5	3809	3817	3810	3804	3786	3775	3758	3753	3747	3753	3765	3771	3778	3776	3783	3787			
10	3686	3711	3702	3691	3661	3639	3601	3589	3581	3598	3627	3632	3640	3619	3624	3631			
15	3394	3454	3440	3431	3389	3357	3282	3247	3214	3222	3259	3242	3259	3227	3255	3288			
20	2765	2844	2822	2832	2788	2771	2669	2602	2530	2508	2532	2488	2513	2485	2557	2624			
25	1970	2046	2012	2029	2002	2012	1918	1839	1740	1690	1688	1627	1658	1651	1749	1833			
30	1162	1228	1202	1228	1216	1225	1132	1044	934	878	864	814	846	852	951	1031			
35	484	525	517	542	530	529	453	392	314	273	272	251	279	292	354	402			
40	98.4	115	106	119	108	109	77.2	65.9	59.2	58.9	57.8	58.7	57.7	65.1	67.7	76.5			
45	46.6	46.5	45.7	46.6	45.8	45.3	43.7	42.6	41.1	40.2	40.1	39.1	39.6	40.8	43.7	45.2			
50	32.6	32.5	31.9	32.4	31.8	31.6	30.7	30.1	29.1	28.4	28.3	27.6	27.8	28.5	30.5	31.6			
55	23.3	23.3	22.8	23.0	22.6	22.5	22.0	21.6	21.0	20.5	20.5	19.9	20.0	20.4	21.8	22.6			
60	16.9	16.9	16.6	16.7	16.3	16.3	16.0	15.8	15.3	15.0	14.9	14.5	14.5	14.8	15.7	16.3			
65	12.3	12.4	12.1	12.1	11.8	11.8	11.6	11.5	11.1	10.8	10.8	10.5	10.5	10.7	11.3	11.7			
70	8.80	8.92	8.76	8.76	8.55	8.52	8.34	8.24	7.88	7.66	7.62	7.39	7.43	7.52	7.99	8.33			
75	6.08	6.27	6.15	6.18	5.99	5.95	5.76	5.65	5.32	5.10	5.09	4.93	4.99	5.06	5.42	5.66			
80	3.89	4.08	4.04	4.07	3.93	3.87	3.68	3.54	3.24	3.07	3.04	2.95	3.00	3.07	3.32	3.52			
85	2.11	2.26	2.28	2.31	2.23	2.16	1.99	1.84	1.58	1.45	1.43	1.36	1.41	1.45	1.62	1.78			
90	0.65	0.79	0.81	0.87	0.80	0.76	0.56	0.53	0.50	0.48	0.48	0.47	0.49	0.47	0.47	0.47			
95	0.56	0.58	0.56	0.57	0.56	0.58	0.56	0.58	0.54	0.52	0.54	0.52	0.55	0.52	0.52	0.50			
100	0.62	0.63	0.60	0.62	0.60	0.62	0.60	0.64	0.62	0.59	0.61	0.59	0.62	0.58	0.59	0.56			
105	0.74	0.73	0.71	0.72	0.71	0.73	0.74	0.78	0.82	0.82	0.82	0.83	0.83	0.81	0.77	0.73			
110	1.17	1.11	1.09	1.07	1.09	1.11	1.20	1.26	1.38	1.44	1.41	1.46	1.43	1.44	1.31	1.25			
115	2.18	2.04	2.02	1.94	2.01	2.02	2.21	2.33	2.58	2.67	2.63	2.69	2.66	2.65	2.47	2.33			
120	3.90	3.69	3.67	3.56	3.63	3.67	3.95	4.13	4.48	4.66	4.60	4.71	4.60	4.61	4.32	4.13			
125	6.43	6.17	6.15	6.02	6.10	6.15	6.51	6.76	7.23	7.44	7.40	7.52	7.39	7.33	6.96	6.70			
130	9.69	9.38	9.38	9.21	9.33	9.36	9.82	10.1	10.6	10.9	10.9	11.0	10.8	10.8	10.3	10.01			
135	13.5	13.2	13.2	13.0	13.2	13.2	13.7	14.0	14.6	15.0	14.9	15.1	14.9	14.8	14.2	13.9			
140	17.8	17.5	17.5	17.3	17.4	17.5	18.0	18.4	19.0	19.3	19.3	19.5	19.3	19.1	18.6	18.2			
145	22.3	21.9	21.8	21.6	21.8	21.9	22.4	22.7	23.4	23.7	23.7	23.9	23.7	23.5	23.0	22.6			
150	26.4	26.0	25.9	25.7	25.8	25.9	26.4	26.7	27.3	27.6	27.6	27.8	27.6	27.5	27.1	26.7			
155	29.8	29.4	29.2	28.9	29.0	29.1	29.4	29.7	30.4	30.5	30.6	30.6	30.5	30.4	30.3	29.9			
160	31.9	31.5	31.1	30.8	30.7	30.8	31.1	31.4	32.1	32.1	32.0	31.8	31.9	31.8	31.8	31.8			
165	32.4	31.9	31.5	31.3	31.1	30.9	31.3	31.7	32.3	32.3	32.1	31.8	32.1	31.9	31.8	31.9			
170	32.0	31.5	31.4	31.4	31.0	31.0	31.0	31.4	31.9	31.9	31.6	31.6	31.7	31.9	31.6	31.5			
175	31.9	31.7	31.9	31.7	31.3	31.4	31.6	31.6	31.7	32.1	32.2	31.9	32.0	32.2	32.2	31.7			
180	32.3	32.4	32.6	32.4	32.4	32.4	32.5	32.1	32.4	32.4	32.7	32.4	32.4	32.4	32.5	32.1			

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C Interval: 22.5DEG
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