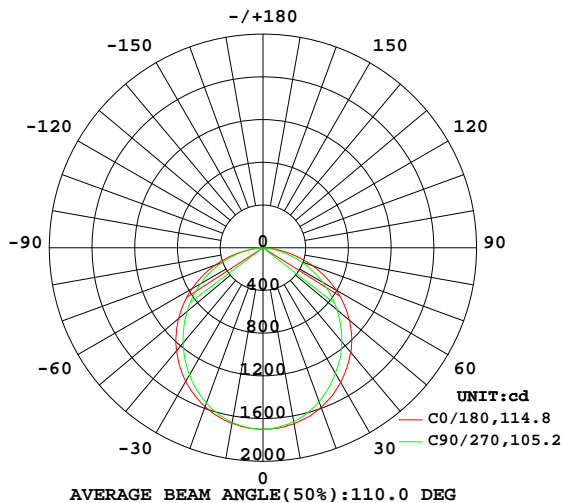


LUMINAIRE PHOTOMETRIC TEST REPORT

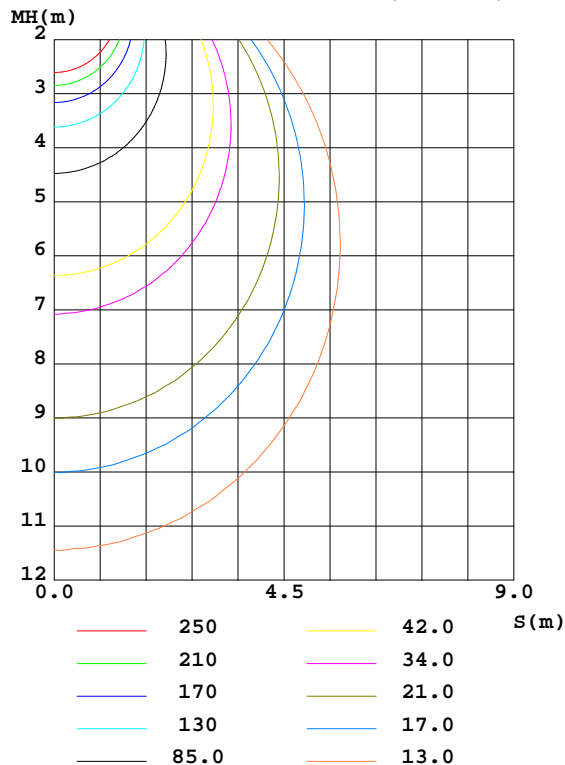
Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.53 lm/W			
MODEL	LB85215-CCT	I _{max} (cd)	1702	S/MH(C0/180)	1.27
NOMINAL POWER(W)	40W	LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4689.9	η UP,DN(C0-180)	0.1,50.5
NOMINAL FLUX(lm)	4689.86	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	99.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.8DEG
Operators:East
Test Date:2020-09-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

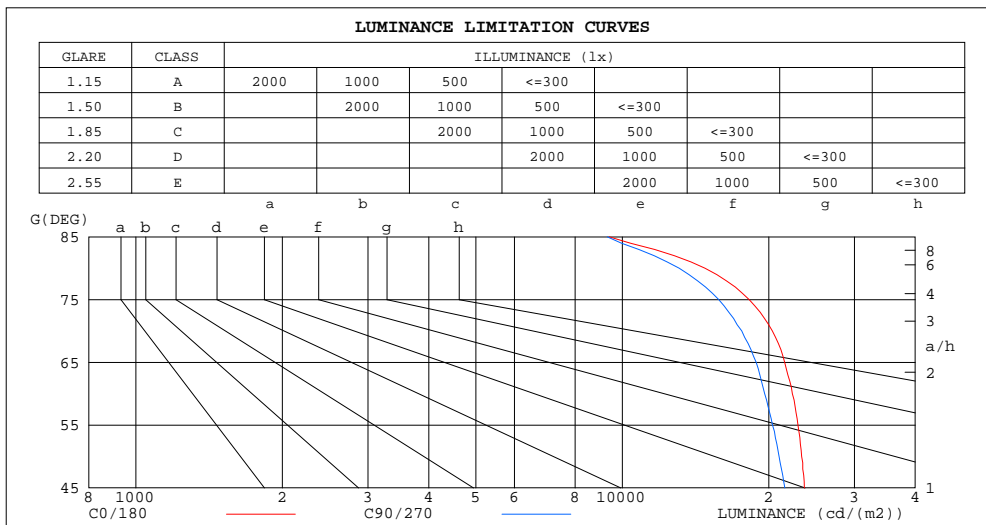
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	1668	1665	1661	1668	1675	1663	1655	1659	0- 10	160.6	160.6	3.42,3.42
20	1585	1568	1549	1572	1591	1563	1534	1554	10- 20	457.7	618.2	13.2,13.2
30	1445	1411	1376	1419	1455	1404	1357	1394	20- 30	687.6	1306	27.8,27.8
40	1260	1211	1164	1220	1280	1212	1149	1197	30- 40	822.4	2128	45.4,45.4
50	1031	978.0	926.4	987.6	1055	974.6	903.6	958.9	40- 50	847.1	2975	63.4,63.4
60	767.6	719.7	673.1	731.7	790.1	710.8	643.7	693.7	50- 60	759.2	3735	79.6,79.6
70	477.8	444.9	413.3	457.8	494.3	427.1	373.8	410.2	60- 70	572.1	4307	91.8,91.8
80	176.3	167.2	156.0	178.7	190.6	151.1	119.7	136.6	70- 80	311.9	4619	98.5,98.5
90	1.215	2.607	3.289	4.012	0.4039	0.1300	0.1304	0.1243	80- 90	66.03	4685	99.9,99.9
100	0.4475	0.4662	0.4958	0.4454	0.1994	0.2316	0.2312	0.2217	90-100	0.4154	4685	99.9,99.9
110	0.4992	0.5465	0.5493	0.5088	0.3109	0.3465	0.3297	0.3280	100-110	0.4083	4685	99.9,99.9
120	0.6564	0.6847	0.6656	0.6528	0.4677	0.4837	0.4548	0.4525	110-120	0.4868	4686	99.9,99.9
130	1.304	0.9976	1.023	0.9608	0.6541	0.6608	0.6368	0.6208	120-130	0.6168	4687	99.9,99.9
140	1.813	1.621	1.633	1.525	0.8263	0.8340	0.8616	0.8396	130-140	0.7860	4687	99.9,99.9
150	2.043	2.386	2.420	2.266	1.008	0.9822	1.077	1.102	140-150	0.9038	4688	100,100
160	2.576	2.775	2.872	2.664	1.333	1.244	1.292	1.348	150-160	0.8589	4689	100,100
170	2.453	2.550	2.565	2.443	1.597	1.483	1.406	1.540	160-170	0.5776	4690	100,100
180	2.073	1.990	1.995	2.077	2.118	2.059	1.971	2.029	170-180	0.1918	4690	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.8DEG
Operators:East
Test Date:2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	9401	9316
80	14785	13088
75	18230	15778
70	20346	17606
65	21559	18843
60	22359	19615
55	22970	20361
50	23360	21000
45	23676	21583

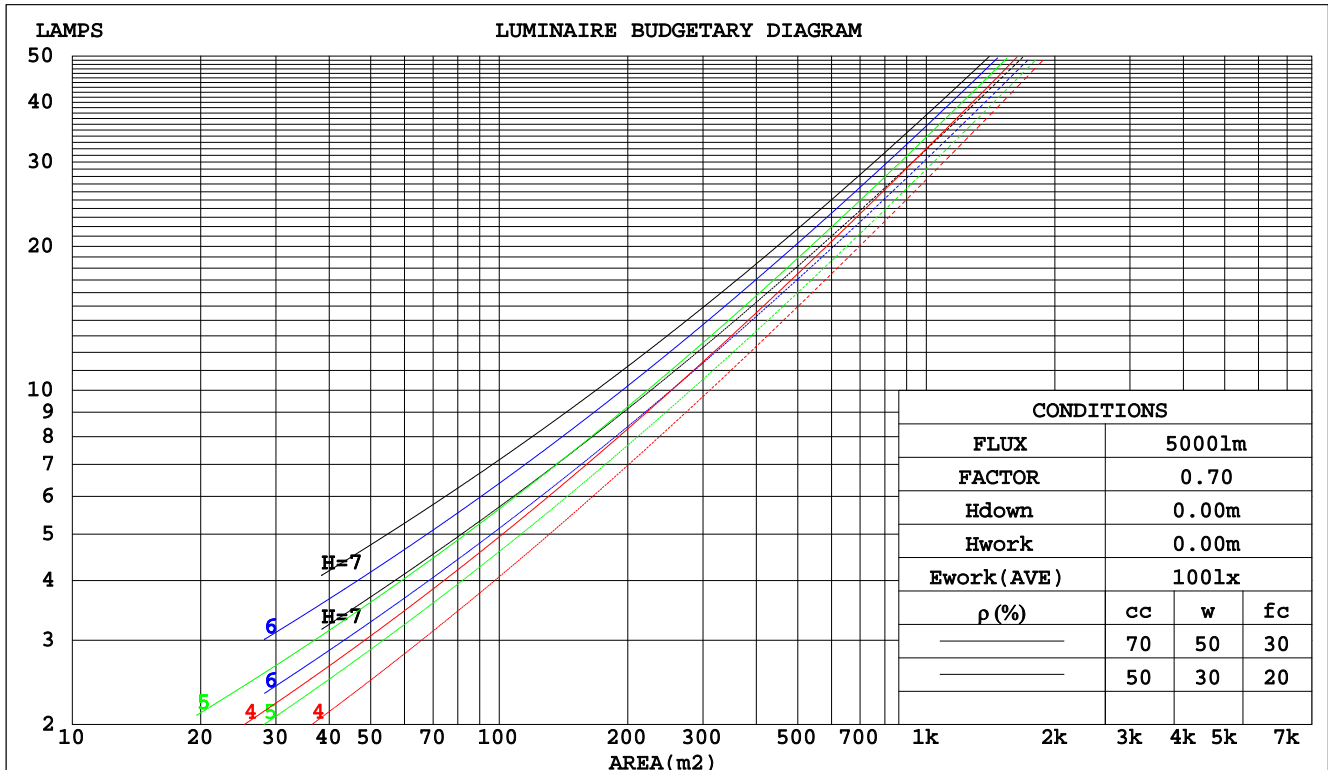
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.492m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A

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	.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.78	.85	.80	.76	.82	.78	.74	.79	.75	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.65	.58	.53	.62	.57	.53	.50
5.0	.63	.54	.48	.62	.54	.47	.60	.53	.47	.58	.51	.46	.56	.50	.46	.44
6.0	.57	.48	.42	.56	.48	.41	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.42	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.43	.37	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.37	.31	.26	.25



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.492m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm								
NAME: LED Linear Ambient Luminaires				TYPE:N/A			WEIGHT:N/A	
SPEC.:N/A				DIM.: N/A			SERIAL No.:N/A	
MFR.: LB USA				SUR.:N/A			Shielding Angle:N/A	

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	.302	.172	.054	.295	.168	.054	.282	.162	.052	.270	.156	.050	.259	.150	.048	
2.0	.287	.157	.048	.281	.155	.048	.269	.150	.046	.258	.145	.045	.248	.140	.044	
3.0	.267	.142	.043	.261	.140	.042	.251	.136	.041	.241	.132	.041	.232	.129	.040	
4.0	.247	.128	.038	.242	.127	.037	.233	.123	.037	.224	.120	.036	.216	.117	.036	
5.0	.228	.116	.034	.224	.115	.034	.216	.112	.033	.208	.110	.033	.201	.108	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.156	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.021	

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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.181	.157	.136	.155	.135	.117	.106	.093	.081	.061	.054	.047	.019	.017	.015	
2.0	.172	.133	.099	.148	.114	.086	.101	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.165	.115	.076	.141	.099	.066	.097	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.157	.102	.060	.135	.088	.052	.093	.061	.036	.054	.036	.022	.017	.012	.007	
5.0	.150	.091	.048	.129	.079	.042	.089	.055	.030	.051	.032	.018	.017	.011	.006	
6.0	.143	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
7.0	.136	.076	.034	.117	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
8.0	.129	.070	.030	.111	.061	.026	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.123	.065	.026	.106	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.118	.061	.023	.101	.053	.020	.070	.037	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.8DEG
Operators:East
Test Date:2020-09-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm										
NAME: LED Linear Ambient Luminaires					TYPE:N/A			WEIGHT:N/A		
SPEC.:N/A					DIM.: N/A			SERIAL No.:N/A		
MFR.: LB USA					SUR.:N/A			Shielding Angle:N/A		
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	18.5	20.0	18.8	20.2	20.4	17.9	19.4	18.2	19.6	19.8
3H	20.0	21.4	20.3	21.7	21.9	19.3	20.7	19.6	21.0	21.2
4H	20.6	22.0	20.9	22.2	22.5	19.9	21.2	20.2	21.5	21.7
6H	21.0	22.2	21.3	22.5	22.8	20.2	21.5	20.6	21.7	22.0
8H	21.1	22.3	21.4	22.6	22.9	20.3	21.5	20.7	21.8	22.1
12H	21.1	22.2	21.4	22.5	22.8	20.3	21.5	20.7	21.8	22.1
4H 2H	19.0	20.4	19.4	20.6	20.9	18.6	19.9	18.9	20.2	20.4
3H	20.8	21.9	21.1	22.2	22.5	20.2	21.4	20.5	21.6	22.0
4H	21.5	22.5	21.9	22.9	23.2	20.8	21.9	21.2	22.2	22.6
6H	22.0	22.9	22.4	23.3	23.6	21.3	22.2	21.7	22.6	22.9
8H	22.1	23.0	22.5	23.3	23.7	21.4	22.3	21.8	22.6	23.0
12H	22.1	22.9	22.6	23.3	23.7	21.5	22.3	21.9	22.7	23.1
8H 4H	21.7	22.6	22.1	22.9	23.3	21.1	22.0	21.5	22.4	22.7
6H	22.3	23.0	22.7	23.4	23.9	21.7	22.4	22.1	22.8	23.2
8H	22.5	23.1	22.9	23.6	24.0	21.9	22.5	22.3	22.9	23.4
12H	22.6	23.1	23.1	23.6	24.1	22.0	22.5	22.5	23.0	23.5
12H 4H	21.7	22.5	22.1	22.9	23.3	21.1	21.9	21.6	22.3	22.7
6H	22.3	23.0	22.8	23.4	23.8	21.7	22.4	22.2	22.8	23.3
8H	22.5	23.1	23.0	23.5	24.0	21.9	22.5	22.4	22.9	23.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 4690 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 5.4$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.8DEG
Operators:East
Test Date:2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A

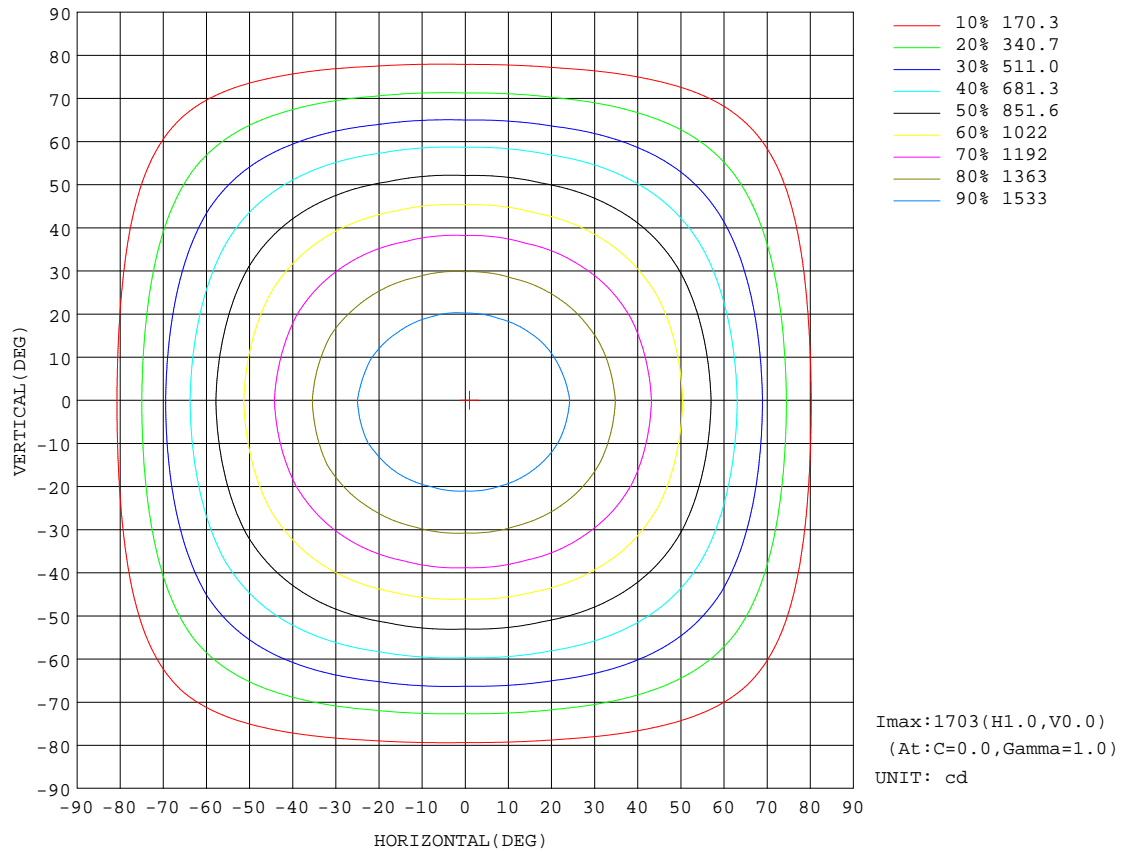
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	46	39	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	49	42
1.00	76	65	58	75	65	58	73	66	57	50
1.25	84	73	66	82	72	66	79	71	65	58
1.50	89	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	83	78	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	99	102	99	96	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.8DEG
Operators:East
Test Date:2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A

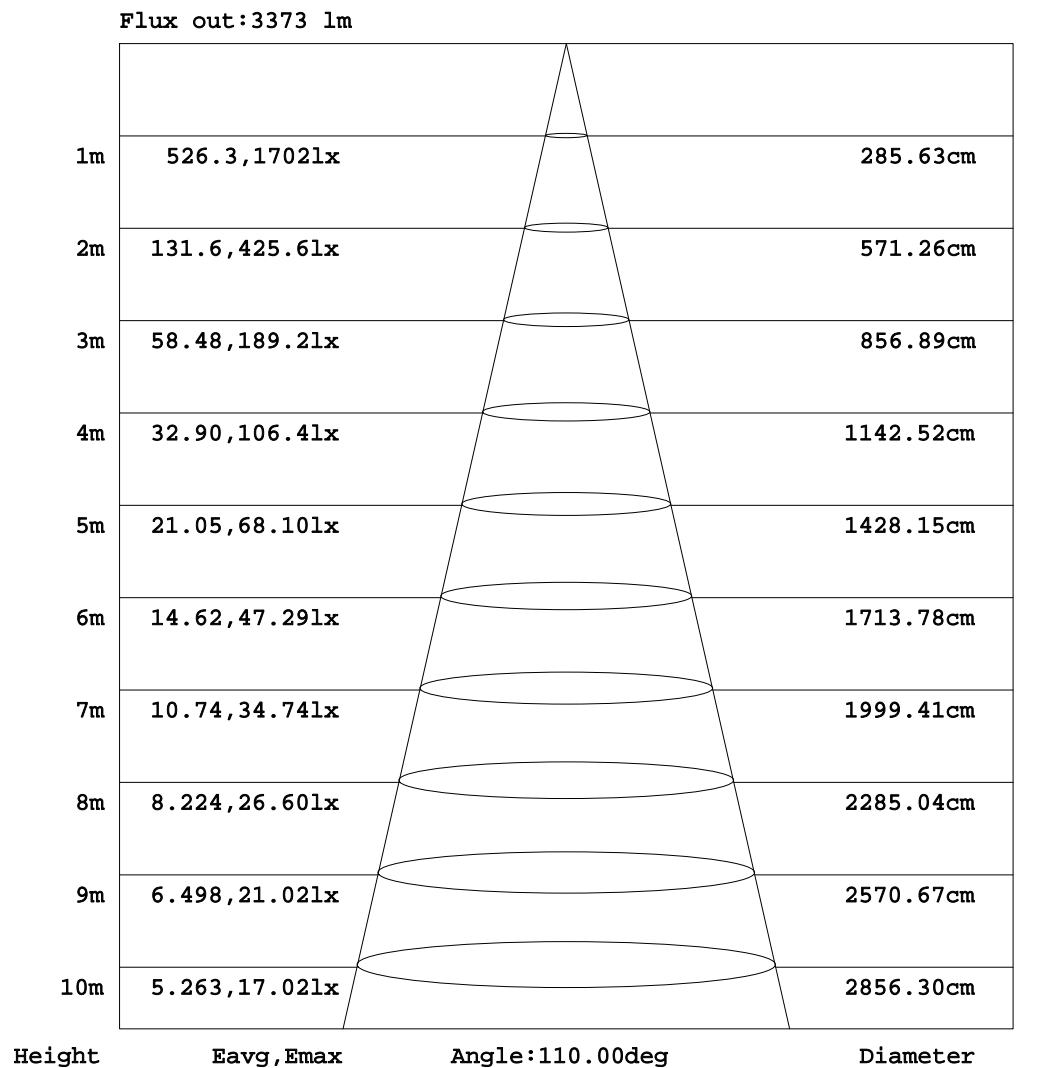


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
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γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A



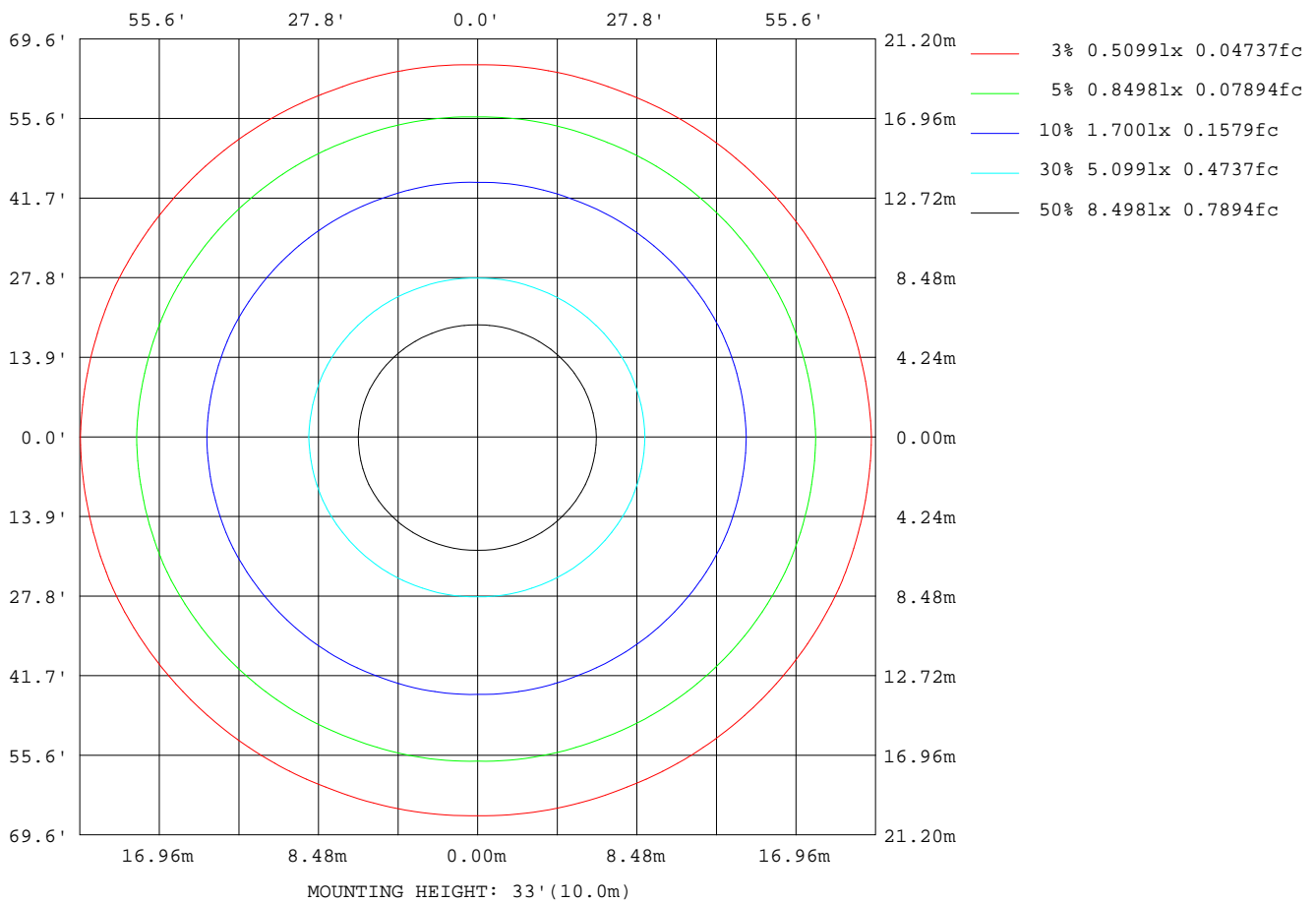
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.492m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:24.8DEG
 Operators:East
 Test Date:2020-09-24

γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity:35%
 Test Distance:2.492m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A

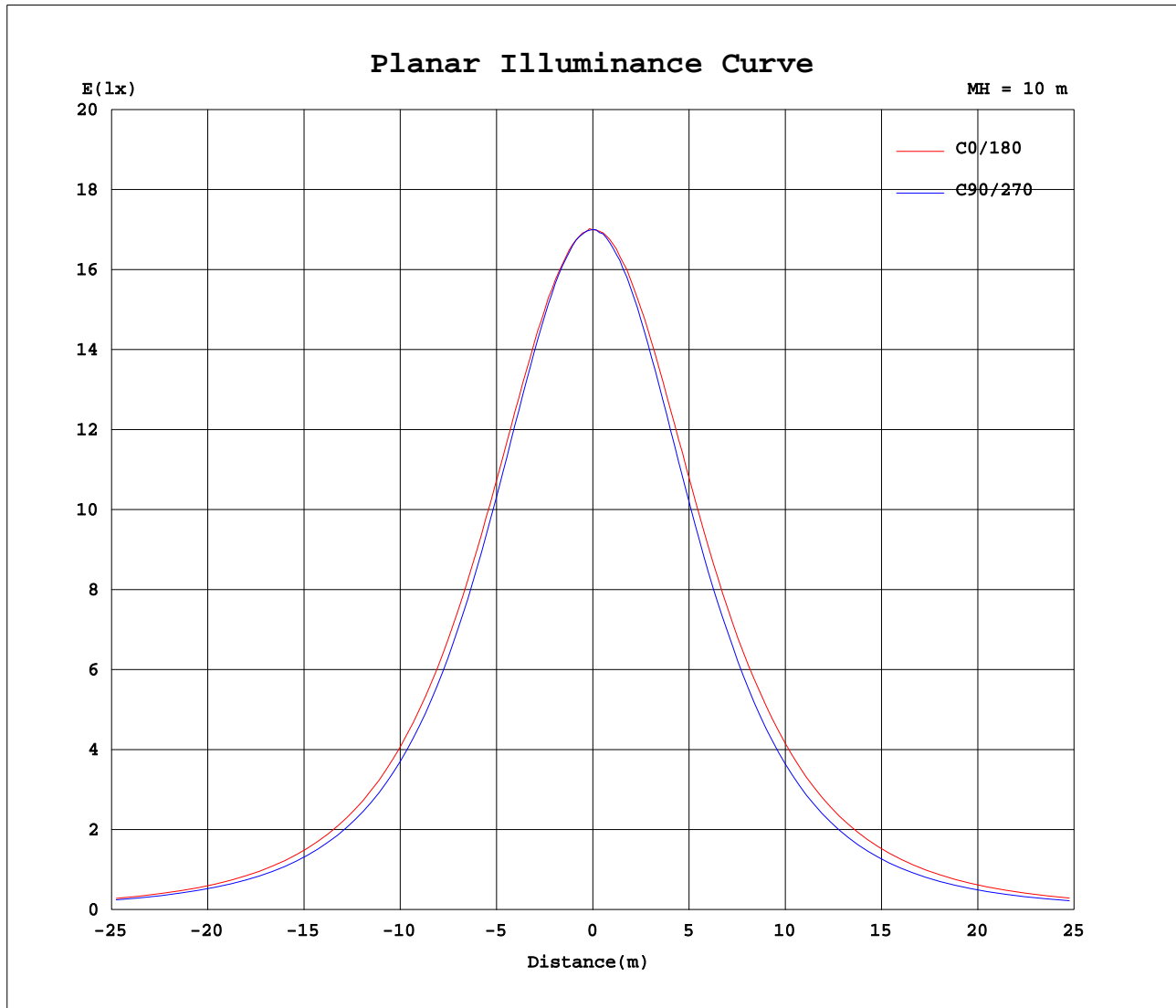
AvgL	cd/m2
L_0~180(65)av	21881
L_0~180(75)av	18675
L_0~180(85)av	9978
L_90~270(65)av	18186
L_90~270(75)av	14677
L_90~270(85)av	7220
L_45(65)av	19856
L_45(75)av	16462
L_45(85)av	8299

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:24.8DEG
Operators:East
Test Date:2020-09-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.351
Humidity:35%
Test Distance:2.492m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 24.8DEG
 Operators: East
 Test Date: 2020-09-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.351
 Humidity: 35%
 Test Distance: 2.492m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.01V I:0.3271A P:38.910W PF:0.9912 Freq:60.00Hz Lamp Flux:4689.86x1 lm		
NAME: LED Linear Ambient Luminaires	TYPE:N/A	WEIGHT:N/A
SPEC.:N/A	DIM.: N/A	SERIAL No.:N/A
MFR.: LB USA	SUR.:N/A	Shielding Angle:N/A

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	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698	1698			
5	1692	1692	1690	1693	1691	1693	1695	1697	1694	1692	1689	1690	1685	1688	1690	1690			
10	1668	1669	1665	1665	1661	1665	1668	1674	1675	1671	1663	1658	1655	1658	1659	1664			
15	1633	1632	1623	1617	1614	1618	1631	1641	1640	1633	1621	1612	1603	1608	1618	1625			
20	1585	1580	1568	1555	1549	1559	1572	1591	1591	1582	1563	1547	1534	1540	1554	1571			
25	1520	1514	1495	1477	1468	1481	1504	1528	1532	1516	1489	1467	1451	1458	1479	1506			
30	1445	1437	1411	1389	1376	1391	1419	1449	1455	1439	1404	1374	1357	1367	1394	1424			
35	1358	1348	1316	1286	1276	1291	1325	1363	1371	1351	1312	1281	1262	1274	1299	1333			
40	1260	1247	1211	1178	1164	1182	1220	1262	1280	1260	1212	1170	1149	1162	1197	1241			
45	1149	1137	1097	1063	1047	1067	1109	1154	1175	1148	1096	1051	1029	1042	1082	1128			
50	1031	1018	978	942	926	946	988	1035	1055	1027	975	927	904	918	959	1008			
55	905	891	851	816	802	821	865	911	927	899	846	797	774	789	830	877			
60	768	756	720	687	673	692	732	776	790	763	711	665	644	655	694	740			
65	626	615	585	556	547	562	597	633	645	619	570	528	509	519	553	596			
70	478	471	445	421	413	427	458	492	494	471	427	391	374	381	410	447			
75	324	322	303	286	280	291	316	341	340	320	284	255	242	246	268	298			
80	176	177	167	158	156	163	179	195	191	176	151	131	120	122	137	156			
85	56.3	59.4	57.5	55.5	55.7	59.3	63.3	69.4	63.2	54.8	43.4	35.1	30.7	30.7	34.5	41.5			
90	1.21	3.95	2.61	2.97	3.29	3.62	4.01	5.32	0.40	0.17	0.13	0.13	0.13	0.13	0.12	0.12			
95	0.39	0.39	0.39	0.42	0.41	0.38	0.38	0.37	0.16	0.17	0.18	0.18	0.18	0.18	0.17	0.17			
100	0.45	0.45	0.47	0.51	0.50	0.45	0.45	0.43	0.20	0.22	0.23	0.23	0.23	0.23	0.22	0.21			
105	0.48	0.49	0.51	0.56	0.53	0.49	0.48	0.46	0.25	0.27	0.29	0.28	0.28	0.29	0.27	0.27			
110	0.50	0.51	0.55	0.60	0.55	0.52	0.51	0.49	0.31	0.33	0.35	0.34	0.33	0.34	0.33	0.32			
115	0.56	0.56	0.60	0.65	0.59	0.57	0.56	0.55	0.38	0.40	0.41	0.40	0.39	0.41	0.38	0.39			
120	0.66	0.66	0.68	0.74	0.67	0.65	0.65	0.64	0.47	0.47	0.48	0.47	0.45	0.47	0.45	0.46			
125	0.97	0.78	0.82	0.87	0.81	0.79	0.78	0.76	0.56	0.56	0.58	0.55	0.54	0.55	0.54	0.53			
130	1.30	0.97	1.00	1.05	1.02	0.99	0.96	0.94	0.65	0.66	0.66	0.65	0.64	0.67	0.62	0.65			
135	1.65	1.20	1.26	1.30	1.29	1.25	1.19	1.15	0.75	0.74	0.74	0.75	0.77	0.77	0.72	0.75			
140	1.81	1.50	1.62	1.66	1.63	1.59	1.53	1.42	0.83	0.79	0.83	0.85	0.86	0.86	0.84	0.83			
145	1.76	1.85	2.06	2.12	2.09	2.03	1.94	1.74	0.90	0.88	0.93	0.98	0.98	1.00	0.98	0.96			
150	2.04	2.19	2.39	2.48	2.42	2.40	2.27	2.07	1.01	0.97	0.98	1.05	1.08	1.11	1.10	1.08			
155	2.38	2.48	2.64	2.75	2.76	2.69	2.53	2.34	1.14	1.06	1.12	1.18	1.21	1.28	1.23	1.28			
160	2.58	2.63	2.77	2.95	2.87	2.84	2.66	2.51	1.33	1.29	1.24	1.24	1.29	1.36	1.35	1.41			
165	2.59	2.61	2.76	2.82	2.83	2.73	2.63	2.50	1.48	1.46	1.34	1.35	1.34	1.39	1.44	1.52			
170	2.45	2.48	2.55	2.59	2.57	2.47	2.44	2.45	1.60	1.59	1.48	1.45	1.41	1.43	1.54	1.60			
175	2.37	2.34	2.38	2.35	2.27	2.29	2.33	2.37	1.81	1.80	1.74	1.66	1.65	1.57	1.72	1.83			
180	2.07	2.02	1.99	1.94	2.00	2.04	2.08	2.09	2.12	2.11	2.06	2.03	1.97	2.01	2.03	2.13			

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C Interval: 22.5DEG
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