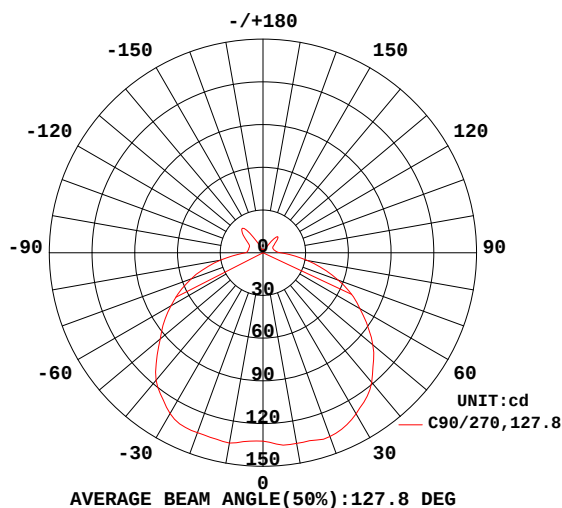


LUMINAIRE PHOTOMETRIC TEST REPORT

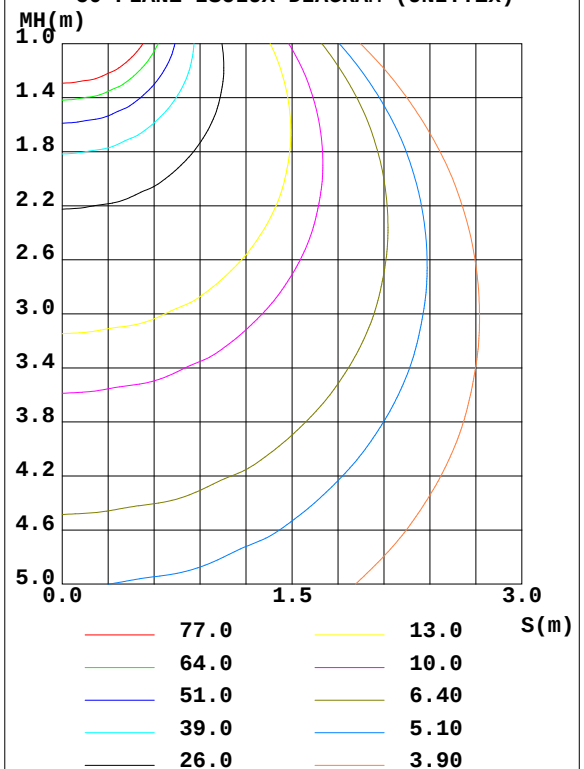
NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.46 lm/W			
MODEL	5050	I _{max} (cd)	137.6	S/MH(C0/180)	1.24
NOMINAL POWER(W)	4.8	LOR(%)	95.8	S/MH(C90/270)	1.43
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	476.74	η UP, DN(C0-180)	3.5, 44.3
NOMINAL FLUX(lm)	497.879	CIE CLASS	DIRECT	η UP, DN(C180-360)	4.7, 43.3
LAMPS INSIDE	1	η up(%)	8.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	87.6	CIBSE SHR MAX	1.55

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: Dillon
Test Date: 07 April 2022

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 6.950m [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	131.1	134.0	136.0	133.8	130.0	132.7	135.7	132.3	0- 10	12.70	12.70	2.66, 2.55
20	124.1	130.8	137.4	130.6	122.9	129.6	134.4	129.6	10- 20	37.31	50.01	10.5, 10
30	111.1	123.3	130.7	122.7	109.8	122.3	130.4	122.9	20- 30	58.45	108.5	22.8, 21.8
40	93.42	111.0	118.8	110.5	93.16	108.7	116.9	109.1	30- 40	72.54	181.0	38, 36.4
50	72.21	92.63	100.7	92.01	72.52	89.67	94.29	90.07	40- 50	76.67	257.7	54, 51.8
60	48.78	71.11	78.73	70.57	50.18	67.21	74.70	67.24	50- 60	70.02	327.7	68.7, 65.8
70	25.94	48.11	56.25	47.23	28.21	45.21	53.65	45.23	60- 70	55.42	383.1	80.4, 76.9
80	9.209	26.24	31.61	25.29	10.31	24.82	30.36	25.13	70- 80	35.84	419.0	87.9, 84.1
90	0.9116	10.14	12.31	9.666	1.261	10.52	12.51	10.25	80- 90	16.95	435.9	91.4, 87.6
100	0.9355	7.491	8.775	7.764	1.269	9.295	10.75	9.114	90-100	8.627	444.5	93.2, 89.3
110	1.086	5.918	7.851	6.069	1.445	7.852	10.49	8.140	100-110	7.283	451.8	94.8, 90.7
120	1.385	5.585	8.020	5.598	1.620	7.433	11.22	8.216	110-120	6.145	458.0	96.1, 92
130	1.586	6.493	11.87	6.218	1.770	8.564	17.05	10.91	120-130	6.426	464.4	97.4, 93.3
140	1.769	5.005	14.52	5.092	1.973	6.839	22.55	10.43	130-140	6.606	471.0	98.8, 94.6
150	2.014	2.107	3.022	2.093	2.182	2.743	10.25	4.623	140-150	3.539	474.5	99.5, 95.3
160	2.270	2.232	2.170	2.192	2.393	2.373	2.353	2.754	150-160	1.298	475.8	99.8, 95.6
170	2.443	2.414	2.352	2.361	2.543	2.486	2.425	2.404	160-170	0.6742	476.5	100, 95.7
180	2.573	2.525	2.467	2.467	2.583	2.490	2.467	2.464	170-180	0.2347	476.7	100, 95.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 227.23 lm

%lum = 47.7%

%lamp = 45.6%

Conical surface Flux(120deg): 327.69 lm

%lum = 68.7%

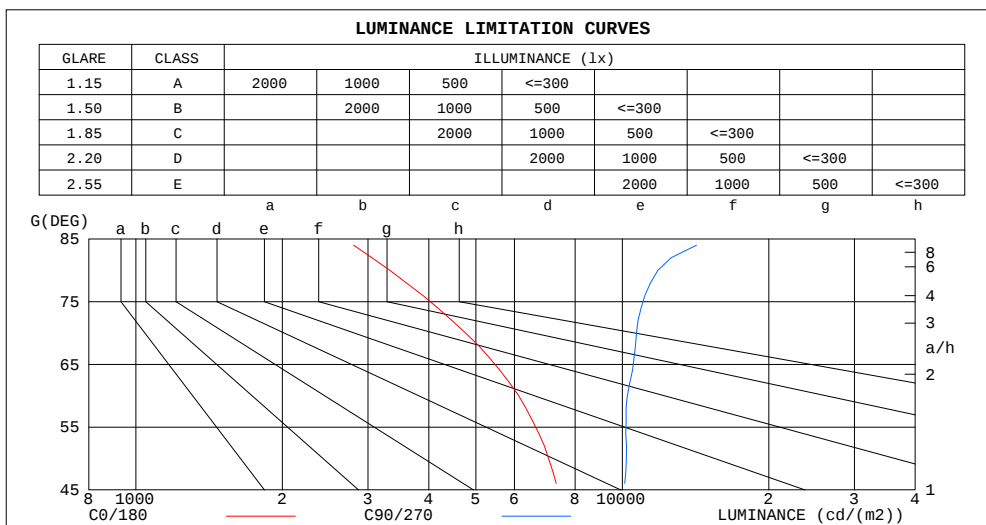
%lamp = 65.8%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Dillon
 Test Date:07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3363	17028
80	3329	11836
75	4445	11641
70	4762	10693
65	5818	10884
60	6124	10238
55	6900	10414
50	7053	10191
45	7564	10230

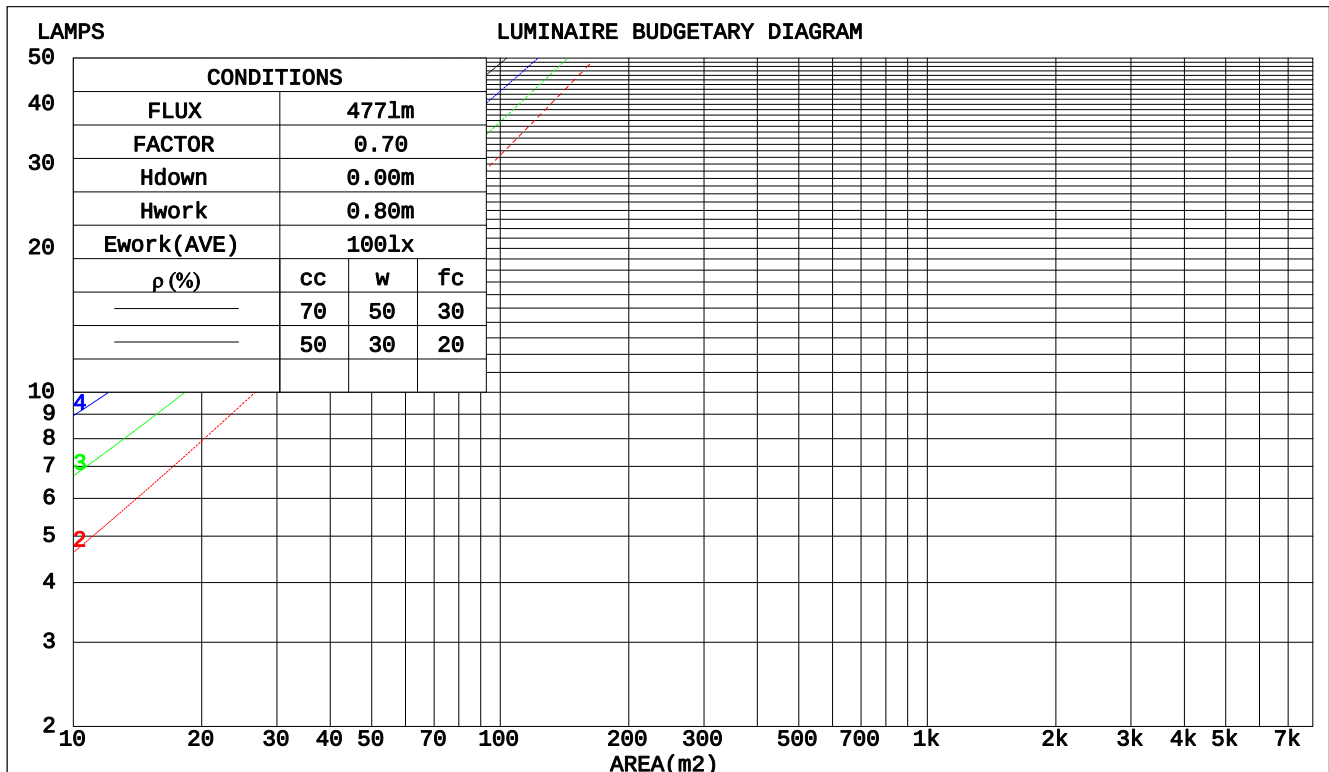
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	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	1.12	1.12	1.12	1.08	1.08	1.08	1.02	1.02	1.02	.96	.96	.96	.90	.90	.90	.88
1.0	.96	.92	.88	.93	.89	.86	.88	.85	.82	.83	.80	.78	.78	.76	.74	.71
2.0	.83	.77	.71	.81	.75	.69	.76	.71	.66	.72	.68	.64	.68	.64	.61	.59
3.0	.73	.65	.58	.71	.63	.57	.67	.60	.55	.63	.58	.53	.59	.55	.51	.49
4.0	.64	.56	.49	.63	.55	.48	.59	.52	.47	.56	.50	.45	.53	.48	.44	.41
5.0	.57	.49	.42	.56	.48	.41	.53	.46	.40	.50	.44	.39	.47	.42	.38	.36
6.0	.51	.43	.36	.50	.42	.36	.47	.40	.35	.45	.39	.34	.43	.37	.33	.31
7.0	.46	.38	.32	.45	.37	.32	.43	.36	.31	.41	.35	.30	.39	.34	.29	.27
8.0	.42	.34	.28	.41	.34	.28	.39	.32	.27	.38	.31	.27	.36	.30	.26	.24
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.25	.35	.28	.24	.33	.28	.24	.22
10.0	.36	.28	.23	.35	.28	.23	.33	.27	.22	.32	.26	.22	.31	.25	.21	.20



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	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						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.318	.181	.057	.309	.176	.056	.291	.167	.053	.275	.159	.051	.260	.151	.049		
2.0	.291	.159	.049	.282	.155	.048	.267	.148	.046	.252	.142	.044	.239	.135	.043		
3.0	.265	.141	.042	.258	.138	.042	.244	.132	.040	.231	.127	.039	.219	.121	.038		
4.0	.243	.126	.037	.236	.124	.037	.224	.119	.035	.212	.114	.034	.201	.109	.033		
5.0	.224	.114	.033	.218	.112	.033	.206	.107	.032	.196	.103	.031	.186	.099	.030		
6.0	.207	.104	.030	.201	.102	.029	.191	.098	.028	.181	.094	.028	.172	.091	.027		
7.0	.192	.095	.027	.187	.093	.027	.178	.090	.026	.169	.087	.025	.161	.083	.025		
8.0	.179	.087	.025	.174	.086	.024	.166	.083	.024	.158	.080	.023	.150	.077	.022		
9.0	.167	.081	.023	.163	.080	.022	.155	.077	.022	.148	.074	.021	.141	.072	.021		
10.0	.157	.075	.021	.153	.074	.021	.146	.072	.020	.139	.069	.020	.133	.067	.019		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.245	.245	.245	.209	.209	.209	.143	.143	.143	.082	.082	.082	.026	.026	.026	
1.0	.237	.212	.190	.203	.182	.164	.139	.125	.113	.080	.073	.066	.026	.023	.021	
2.0	.230	.190	.156	.197	.163	.135	.135	.113	.094	.078	.066	.055	.025	.021	.018	
3.0	.223	.173	.134	.191	.149	.116	.131	.104	.081	.076	.061	.048	.024	.020	.016	
4.0	.215	.161	.119	.185	.139	.104	.127	.097	.073	.074	.057	.043	.024	.018	.014	
5.0	.208	.151	.109	.179	.131	.095	.123	.091	.067	.071	.054	.040	.023	.018	.013	
6.0	.201	.143	.102	.173	.124	.089	.119	.087	.063	.069	.051	.037	.022	.017	.012	
7.0	.195	.137	.096	.168	.119	.084	.116	.083	.059	.067	.049	.035	.022	.016	.012	
8.0	.189	.131	.092	.162	.114	.080	.112	.080	.057	.065	.047	.034	.021	.015	.011	
9.0	.183	.127	.089	.157	.110	.078	.109	.077	.055	.064	.046	.033	.021	.015	.011	
10.0	.177	.123	.086	.153	.107	.075	.106	.075	.054	.062	.044	.032	.020	.015	.011	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M						TYPE: /			WEIGHT: 0.129kg/m		
SPEC.:						DIM.: 6*15.5mm			SERIAL No.:		
MFR.: CLEAR						SUR.: 15.5*1000mm			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		21.4	22.9	21.8	23.2	23.6	23.3	24.8	23.7	25.1	25.5
3H		22.6	23.9	23.0	24.3	24.7	25.2	26.5	25.6	26.9	27.3
4H		23.0	24.2	23.4	24.6	25.1	26.1	27.3	26.5	27.7	28.2
6H		23.2	24.4	23.7	24.8	25.3	26.9	28.0	27.3	28.5	28.9
8H		23.3	24.4	23.7	24.8	25.3	27.2	28.4	27.7	28.8	29.3
12H		23.3	24.4	23.7	24.8	25.3	27.6	28.7	28.0	29.1	29.6
4H 2H		22.4	23.7	22.9	24.1	24.5	23.8	25.1	24.3	25.5	25.9
3H		23.8	24.9	24.3	25.4	25.9	26.0	27.1	26.4	27.5	28.0
4H		24.4	25.4	24.9	25.9	26.4	27.0	28.0	27.5	28.5	29.0
6H		24.8	25.7	25.3	26.2	26.7	28.0	28.8	28.5	29.3	29.9
8H		24.9	25.7	25.4	26.2	26.8	28.4	29.2	28.9	29.7	30.3
12H		24.9	25.7	25.5	26.2	26.8	28.8	29.6	29.4	30.1	30.7
8H 4H		25.0	25.9	25.6	26.4	26.9	27.2	28.1	27.8	28.6	29.1
6H		25.7	26.4	26.2	26.9	27.5	28.4	29.1	29.0	29.7	30.3
8H		25.9	26.5	26.5	27.1	27.7	29.0	29.6	29.6	30.2	30.8
12H		26.1	26.6	26.7	27.2	27.9	29.6	30.2	30.3	30.8	31.4
12H 4H		25.1	25.9	25.7	26.4	27.0	27.2	28.0	27.8	28.5	29.1
6H		25.9	26.5	26.5	27.1	27.7	28.5	29.1	29.1	29.7	30.3
8H		26.3	26.8	26.9	27.4	28.1	29.2	29.7	29.8	30.3	30.9
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H		+ 0.3 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.6					+ 0.1 / - 0.3				

CIE Pub.117, 497.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)
Area: 0.0155 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:07 April 2022

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /

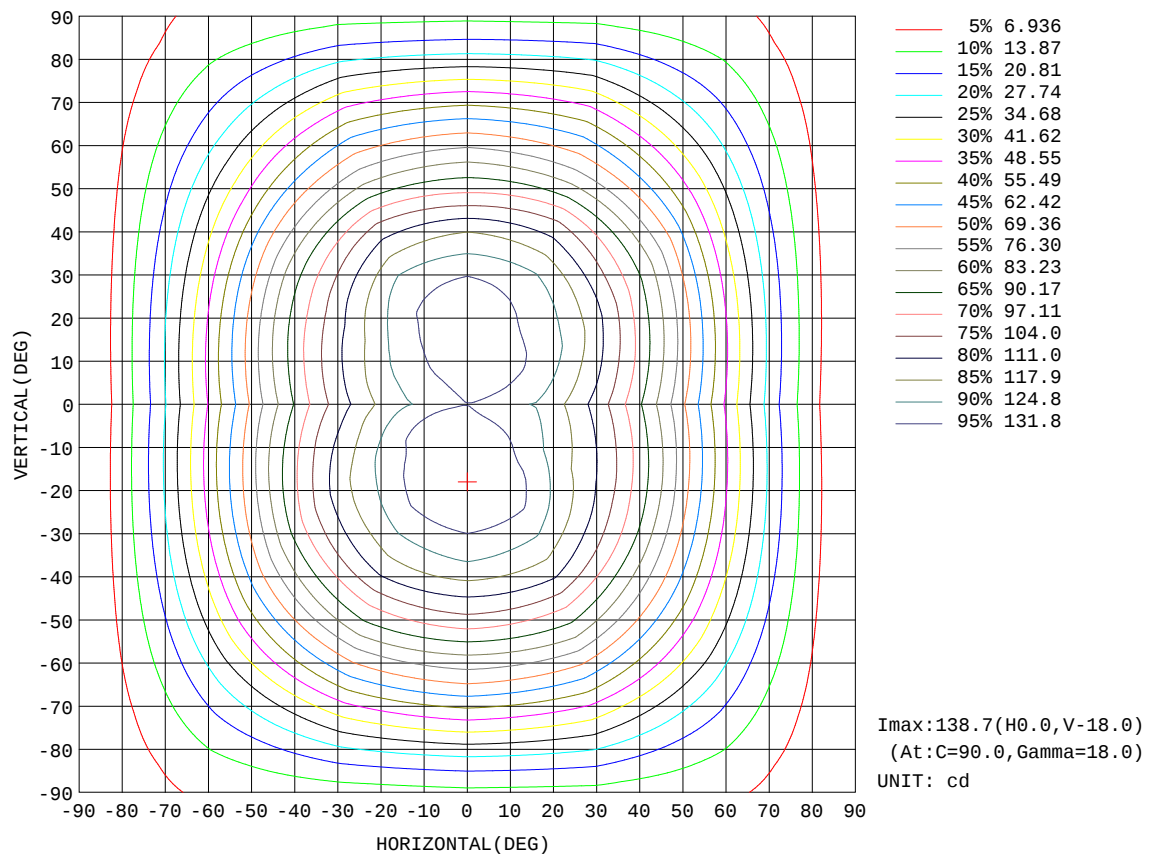
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	51	40	33	50	39	33	49	39	32	26
0.80	61	49	42	59	48	41	57	47	41	34
1.00	68	57	50	67	56	49	64	57	48	41
1.25	75	64	57	73	63	56	70	61	55	47
1.50	80	70	63	78	69	62	74	66	60	52
2.00	87	78	71	84	76	70	80	73	68	58
2.50	91	82	76	88	81	75	83	77	72	62
3.00	94	87	81	91	85	79	86	81	76	66
4.00	98	92	87	95	90	85	90	85	81	70
5.00	101	95	91	98	93	89	92	88	85	73
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:Dillon
Test Date:07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /

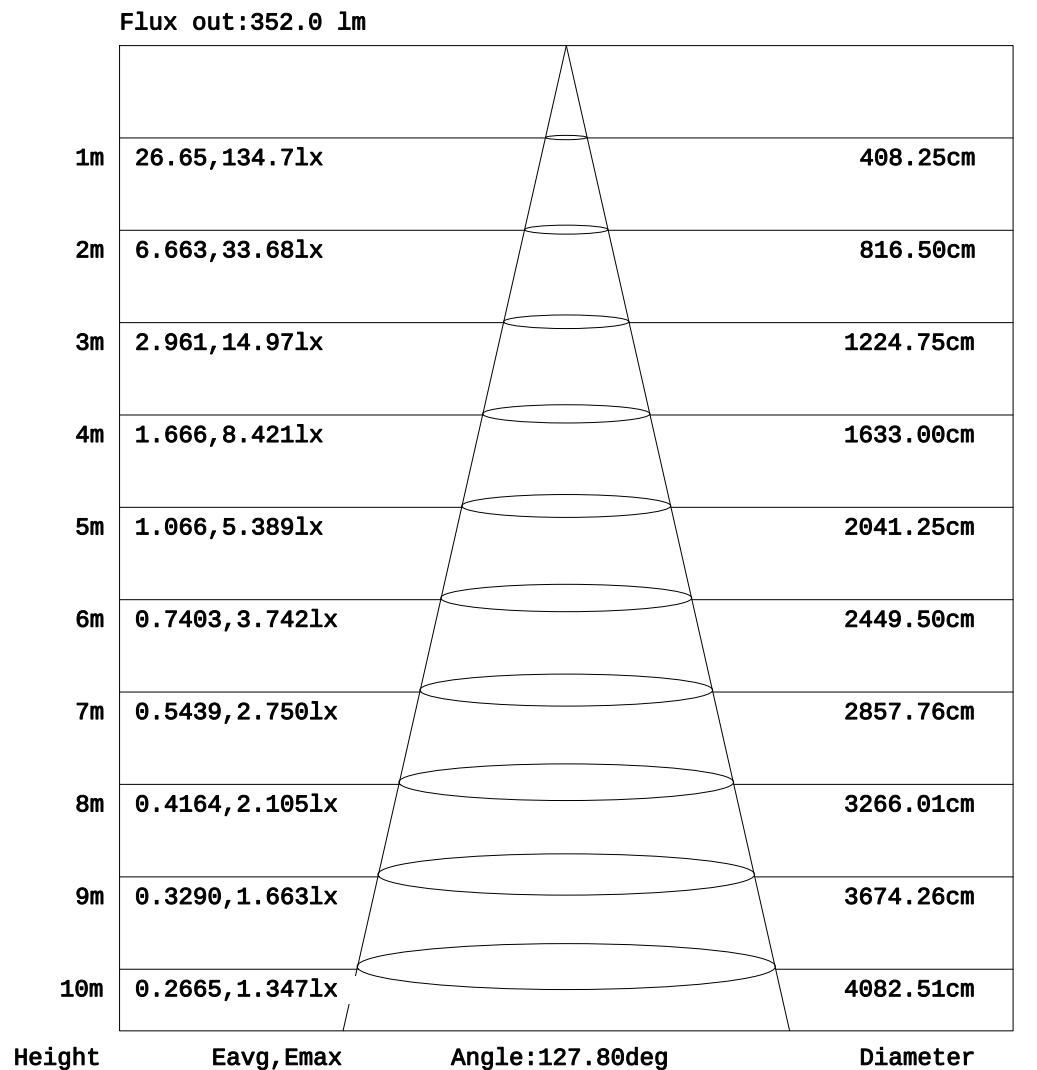


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

AAI Figure

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /



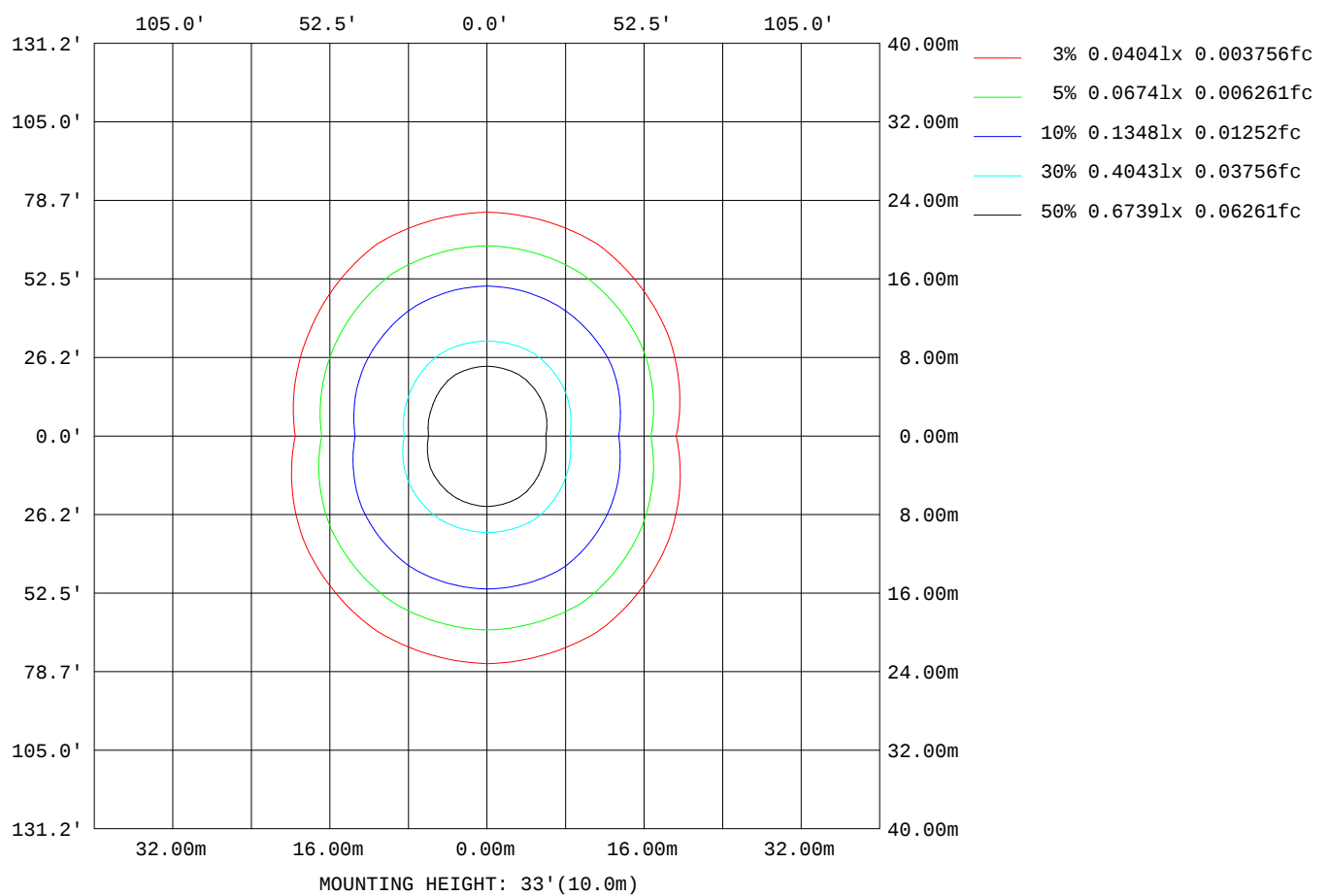
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Dillon
 Test Date:07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.446
 Humidity:65.0%
 Test Distance:6.950m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Dillon
Test Date:07 April 2022

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.446
Humidity:65.0%
Test Distance:6.950m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /

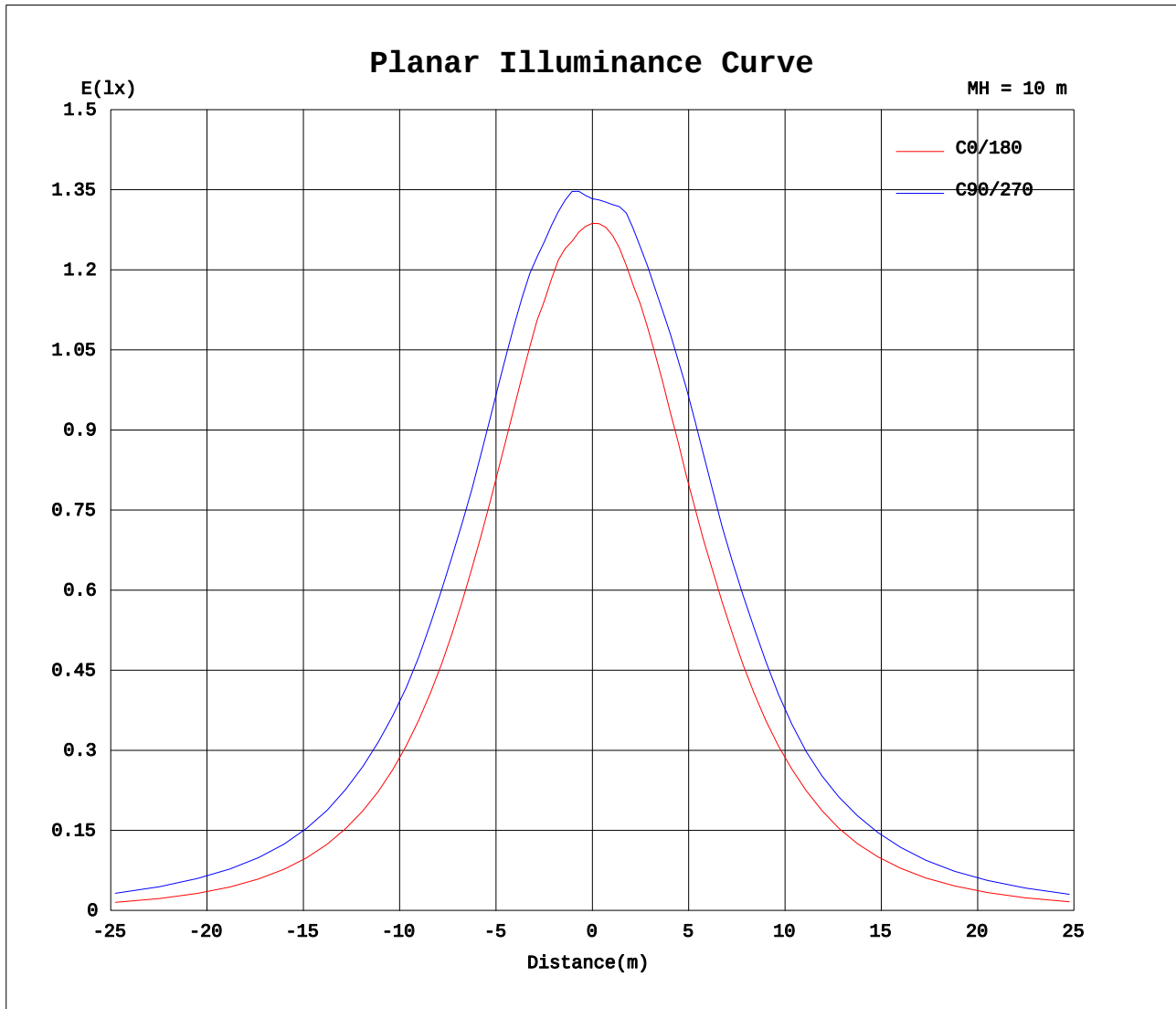
AvgL	cd/m2
L_0~180(65)av	5788
L_0~180(75)av	4369
L_0~180(85)av	2952
L_90~270(65)av	10160
L_90~270(75)av	10712
L_90~270(85)av	15033
L_45(65)av	8919
L_45(75)av	8974
L_45(85)av	12624

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Dillon
 Test Date: 07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.446
 Humidity: 65.0%
 Test Distance: 6.950m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Dillon
Test Date: 07 April 2022

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.446
Humidity: 65.0%
Test Distance: 6.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-FR-F16B-VB-24CV-65K-WT-24-80-4.8W-250-1M	TYPE: /	WEIGHT: 0.129kg/m
SPEC.:	DIM.: 6*15.5mm	SERIAL No.:
MFR.: CLEAR	SUR.: 15.5*1000mm	Shielding Angle: /

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	132	132	132	132	132	132	132	132	132	132	132	132							
5	132	133	134	135	134	133	132	132	132	133	132	132							
10	131	133	135	136	135	133	130	131	134	136	134	131							
15	128	132	134	136	134	131	128	130	134	135	134	130							
20	124	127	134	137	134	127	123	128	132	134	132	128							
25	119	124	133	136	133	124	118	124	131	134	131	124							
30	111	118	128	131	128	118	110	117	128	130	128	118							
35	105	114	124	127	123	114	104	112	123	125	124	113							
40	93.4	105	117	119	116	105	93.2	104	114	117	114	104							
45	85.2	98.7	111	111	110	98.5	85.2	97.1	107	108	108	96.6							
50	72.2	86.6	98.5	101	97.6	86.5	72.5	85.6	93.6	94.3	94.8	85.4							
55	63.0	77.9	90.7	91.9	89.9	78.0	63.4	76.6	84.4	86.9	85.0	77.0							
60	48.8	64.6	77.5	78.7	76.4	64.8	50.2	62.3	72.0	74.7	71.9	62.7							
65	39.2	55.7	68.1	70.7	67.2	55.4	41.2	52.4	64.2	66.7	64.3	52.7							
70	25.9	42.1	53.9	56.2	52.8	41.7	28.2	39.0	51.3	53.6	51.7	38.8							
75	18.3	33.3	44.1	46.3	43.0	32.7	20.3	30.8	42.4	44.5	43.2	30.6							
80	9.21	21.7	30.6	31.6	29.3	21.3	10.3	20.3	29.2	30.4	30.1	20.3							
85	4.67	15.5	22.1	22.8	20.9	15.1	5.27	14.7	20.8	21.8	21.5	14.6							
90	0.91	8.41	11.8	12.3	11.1	8.20	1.26	8.99	12.0	12.5	11.9	8.65							
95	0.84	7.10	9.35	9.84	9.31	7.41	1.17	8.23	11.1	11.2	10.9	7.93							
100	0.94	6.58	8.38	8.78	8.69	6.85	1.27	8.01	10.5	10.8	10.4	7.85							
105	0.99	5.82	7.67	8.04	7.84	6.09	1.35	7.23	9.95	10.4	9.94	7.19							
110	1.09	4.65	7.15	7.85	7.18	4.97	1.44	6.24	9.42	10.5	9.70	6.59							
115	1.24	3.98	6.75	7.64	6.98	4.03	1.52	5.50	8.91	10.5	9.61	6.29							
120	1.39	3.93	7.20	8.02	7.20	4.01	1.62	5.30	9.51	11.2	10.4	6.09							
125	1.47	4.02	7.88	9.03	7.56	4.31	1.68	6.19	10.2	12.9	11.4	7.06							
130	1.59	2.68	10.2	11.9	9.61	2.85	1.77	4.90	12.1	17.0	14.8	7.07							
135	1.66	1.97	11.4	14.4	11.1	2.06	1.85	3.22	13.8	20.2	17.0	5.63							
140	1.77	1.82	8.11	14.5	8.40	1.81	1.97	2.13	11.4	22.6	16.9	4.05							
145	1.88	1.88	4.34	10.0	4.37	1.88	2.06	2.05	6.97	19.7	12.5	3.39							
150	2.01	2.03	2.18	3.02	2.19	1.99	2.18	2.41	3.07	10.2	6.74	2.53							
155	2.12	2.13	2.09	2.15	2.07	2.09	2.28	2.49	2.40	6.39	4.91	2.28							
160	2.27	2.27	2.20	2.17	2.18	2.21	2.39	2.41	2.34	2.35	3.25	2.27							
165	2.36	2.35	2.28	2.26	2.26	2.28	2.46	2.43	2.50	2.38	2.56	2.33							
170	2.44	2.45	2.38	2.35	2.35	2.37	2.54	2.49	2.48	2.43	2.40	2.40							
175	2.56	2.52	2.43	2.41	2.40	2.41	2.58	2.50	2.48	2.45	2.42	2.44							
180	2.57	2.57	2.48	2.47	2.46	2.47	2.58	2.50	2.48	2.47	2.46	2.47							

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