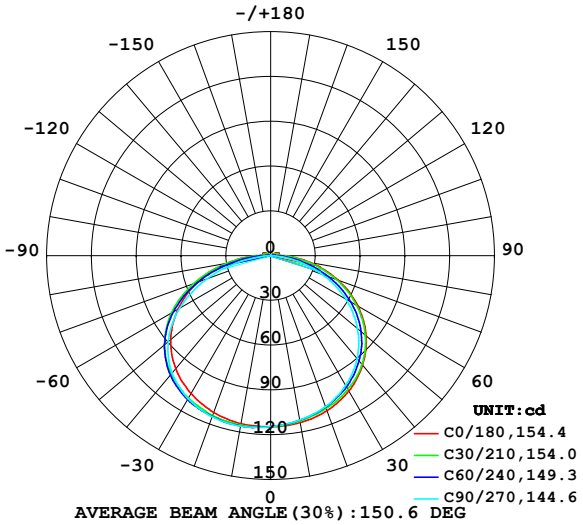
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

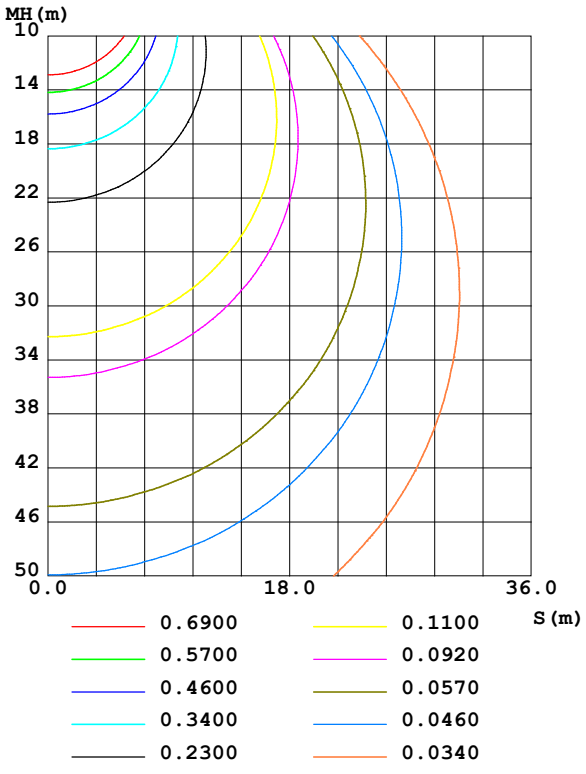
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 72.53 lm/W	
MODEL	HCP-3456250	Imax(cd)	116.0	S/MH(C0/180)	1.39
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.44
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	419.11	η UP,DN(C0-180)	1.2,46.6
NOMINAL FLUX(lm)	419.109	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,51.0
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	97.6	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(30%):150.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [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	113.6	112.3	112.0	112.6	114.4	115.5	116.0	115.0	0- 10	10.91	10.91	2.6,2.6
20	110.5	108.5	107.7	109.3	111.7	114.3	114.8	113.3	10- 20	31.92	42.83	10.2,10.2
30	104.8	102.6	100.3	103.6	106.7	110.8	110.7	108.9	20- 30	50.35	93.18	22.2,22.2
40	95.75	93.69	90.18	95.45	98.90	104.1	102.7	101.3	30- 40	64.22	157.4	37.6,37.6
50	83.51	80.89	75.92	83.67	87.49	92.88	89.52	89.38	40- 50	71.36	228.8	54.6,54.6
60	67.55	64.18	58.19	67.18	71.57	75.97	70.39	72.27	50- 60	69.63	298.4	71.2,71.2
70	48.12	43.94	36.55	46.77	52.01	53.34	45.29	50.04	60- 70	57.96	356.3	85,85
80	26.97	22.67	14.28	24.23	29.58	27.55	16.87	25.22	70- 80	37.70	394.1	94,94
90	8.375	6.434	0.2777	6.624	9.162	7.121	0.0234	6.483	80- 90	14.98	409.0	97.6,97.6
100	4.759	3.371	0.0467	3.457	4.903	3.490	0.0233	3.358	90-100	4.252	413.3	98.6,98.6
110	5.610	2.363	0.0729	2.380	5.330	2.359	0.0379	2.301	100-110	3.012	416.3	99.3,99.3
120	3.223	0.7945	0.1020	0.8439	2.938	0.7722	0.0641	0.8467	110-120	1.858	418.2	99.8,99.8
130	0.8630	0.2462	0.1311	0.2314	0.5005	0.2319	0.1078	0.3963	120-130	0.5115	418.7	99.9,99.9
140	0.6622	0.1355	0.1545	0.1355	0.1544	0.1428	0.1166	0.1751	130-140	0.1984	418.9	99.9,99.9
150	0.1602	0.1617	0.1720	0.1646	0.1690	0.1530	0.1340	0.1617	140-150	0.1010	419.0	100,100
160	0.1602	0.1690	0.1894	0.1748	0.1749	0.1690	0.1603	0.1704	150-160	0.0771	419.0	100,100
170	0.1718	0.1748	0.1923	0.1806	0.1923	0.1763	0.1661	0.1733	160-170	0.0496	419.1	100,100
180	0.1777	0.1763	0.1923	0.1821	0.1923	0.1836	0.1778	0.1806	170-180	0.0171	419.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:298.39 %lum: 71.2%
0 - 60 DEG Zonal Flux:298.39 %lum: 71.2%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 14.1%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 20.5%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

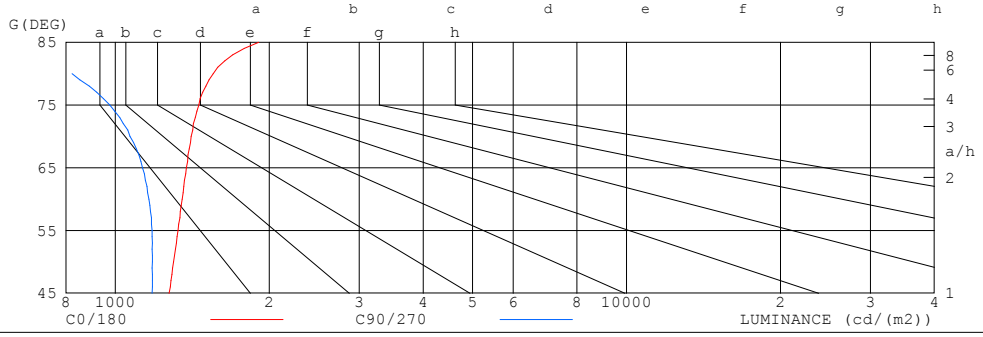
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: HCP-3456250-G	**TYPE: 2835 G**	**WEIGHT:**
SPEC.:	**DIM.: 1*0.012**	**SERIAL No.:**
MFR.: HAVIT COMMERCIAL	**SUR.:**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1908	586
80	1553	822
75	1456	976
70	1407	1068
65	1377	1130
60	1351	1163
55	1327	1179
50	1299	1181
45	1274	1180

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

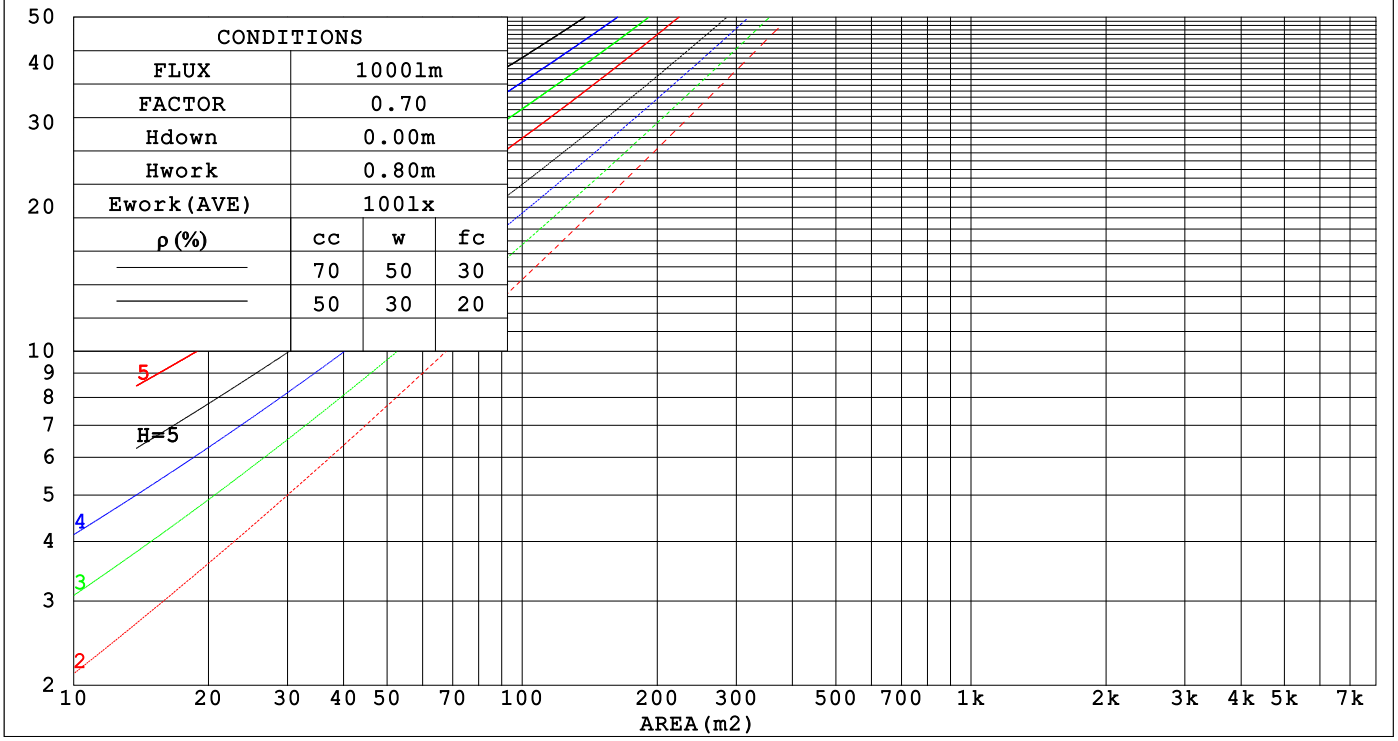
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.01	.97	.92	.99	.95	.91	.94	.91	.87	.90	.87	.84	.86	.83	.81	.79
2.0	.87	.80	.74	.85	.78	.72	.81	.75	.70	.77	.73	.68	.74	.70	.66	.64
3.0	.76	.67	.60	.74	.66	.59	.71	.64	.58	.68	.62	.57	.65	.60	.55	.53
4.0	.67	.57	.50	.65	.56	.50	.62	.55	.49	.60	.53	.48	.57	.51	.47	.44
5.0	.59	.50	.43	.58	.49	.42	.55	.48	.42	.53	.46	.41	.51	.45	.40	.38
6.0	.53	.44	.37	.52	.43	.37	.50	.42	.36	.48	.41	.35	.46	.40	.35	.33
7.0	.48	.39	.32	.47	.38	.32	.45	.37	.32	.43	.36	.31	.42	.36	.31	.29
8.0	.43	.35	.29	.43	.34	.28	.41	.33	.28	.40	.33	.28	.38	.32	.27	.25
9.0	.40	.31	.25	.39	.31	.25	.38	.30	.25	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.28	.23	.36	.28	.23	.35	.28	.23	.34	.27	.22	.33	.27	.22	.20

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	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	.345	.196	.062	.337	.192	.061	.322	.185	.059	.309	.178	.057	.296	.172	.055	
2.0	.316	.173	.053	.309	.170	.053	.296	.165	.051	.284	.159	.050	.273	.154	.049	
3.0	.289	.154	.046	.282	.151	.046	.271	.147	.045	.260	.142	.044	.250	.138	.043	
4.0	.264	.137	.040	.258	.135	.040	.248	.131	.039	.238	.128	.039	.229	.124	.038	
5.0	.242	.123	.036	.237	.122	.035	.228	.118	.035	.219	.115	.034	.211	.113	.034	
6.0	.223	.112	.032	.219	.110	.032	.210	.108	.031	.202	.105	.031	.195	.103	.030	
7.0	.207	.102	.029	.203	.101	.029	.195	.099	.028	.188	.096	.028	.181	.094	.028	
8.0	.192	.094	.026	.189	.093	.026	.182	.091	.026	.175	.089	.026	.169	.087	.025	
9.0	.179	.087	.024	.176	.086	.024	.170	.084	.024	.164	.082	.024	.159	.081	.023	
10.0	.168	.081	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	

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	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.201	.174	.150	.172	.150	.129	.118	.103	.089	.068	.060	.052	.022	.019	.017	
2.0	.194	.150	.114	.166	.129	.098	.114	.090	.069	.066	.052	.040	.021	.017	.013	
3.0	.187	.133	.090	.160	.115	.078	.110	.080	.055	.063	.047	.032	.020	.015	.011	
4.0	.179	.120	.075	.154	.104	.065	.106	.072	.046	.061	.042	.027	.020	.014	.009	
5.0	.172	.110	.064	.147	.095	.056	.102	.066	.039	.059	.039	.023	.019	.013	.008	
6.0	.164	.102	.057	.141	.088	.049	.097	.062	.035	.057	.036	.021	.018	.012	.007	
7.0	.157	.095	.051	.135	.082	.045	.093	.058	.032	.054	.034	.019	.018	.011	.006	
8.0	.151	.089	.047	.130	.077	.041	.090	.054	.029	.052	.032	.017	.017	.010	.006	
9.0	.144	.084	.044	.124	.073	.038	.086	.051	.027	.050	.030	.016	.016	.010	.005	
10.0	.138	.080	.041	.119	.069	.036	.083	.049	.025	.048	.029	.015	.016	.009	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	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	16.8	18.4	17.1	18.6	18.9	16.2	17.8	16.5	18.0	18.3
	3H	18.8	20.2	19.1	20.5	20.8	17.8	19.3	18.2	19.6	19.8
	4H	19.6	21.0	20.0	21.3	21.6	18.4	19.8	18.8	20.1	20.4
	6H	20.4	21.7	20.8	22.1	22.4	18.8	20.1	19.2	20.5	20.8
	8H	20.8	22.0	21.2	22.4	22.7	18.9	20.2	19.3	20.5	20.9
	12H	21.1	22.3	21.5	22.7	23.0	19.0	20.2	19.4	20.5	20.9
4H	2H	17.5	18.8	17.8	19.1	19.5	17.0	18.4	17.4	18.7	19.0
	3H	19.6	20.8	20.0	21.2	21.5	18.8	20.0	19.2	20.4	20.7
	4H	20.6	21.8	21.1	22.1	22.5	19.5	20.7	20.0	21.0	21.4
	6H	21.6	22.6	22.0	23.0	23.4	20.1	21.1	20.5	21.5	21.9
	8H	22.0	23.0	22.5	23.4	23.8	20.3	21.2	20.7	21.6	22.0
	12H	22.4	23.3	22.9	23.7	24.2	20.3	21.2	20.8	21.6	22.1
8H	4H	20.9	21.9	21.4	22.3	22.7	20.0	20.9	20.5	21.3	21.8
	6H	22.1	22.9	22.6	23.3	23.8	20.7	21.5	21.2	22.0	22.4
	8H	22.7	23.4	23.2	23.8	24.3	21.0	21.7	21.5	22.2	22.7
	12H	23.2	23.8	23.8	24.3	24.9	21.2	21.8	21.7	22.3	22.8
12H	4H	21.0	21.8	21.4	22.2	22.7	20.1	20.9	20.5	21.4	21.8
	6H	22.2	22.9	22.7	23.4	23.9	20.9	21.6	21.4	22.1	22.6
	8H	22.8	23.4	23.3	23.9	24.4	21.2	21.8	21.8	22.3	22.9

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.1 / - 0.1	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.1 / - 0.3	+ 0.2 / - 0.4

CIE Pub.117, 419.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

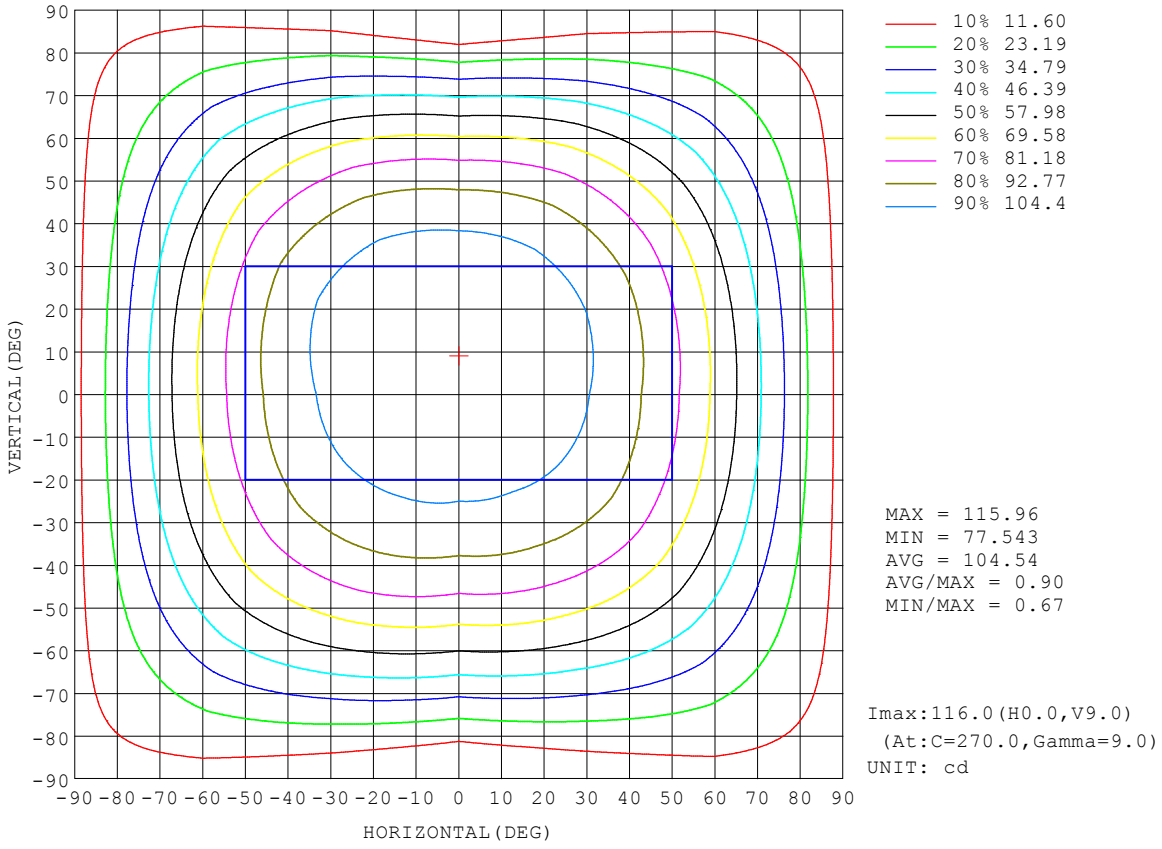
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	53	41	34	53	41	34	51	40	34	27
0.80	63	51	43	62	50	43	60	50	42	35
1.00	72	60	52	70	59	51	68	61	51	43
1.25	79	67	60	77	67	59	74	65	58	50
1.50	84	73	65	82	72	65	79	70	64	55
2.00	91	82	75	89	81	74	85	78	72	63
2.50	96	87	80	93	85	79	89	83	77	68
3.00	99	92	85	97	90	84	92	87	82	72
4.00	104	97	92	101	95	90	96	92	87	78
5.00	106	101	96	104	99	94	99	95	91	81
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:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



MAX = 115.96
MIN = 77.543
AVG = 104.54
AVG/MAX = 0.90
MIN/MAX = 0.67

Imax:116.0(H0.0,V9.0)
(At:C=270.0,Gamma=9.0)
UNIT: cd

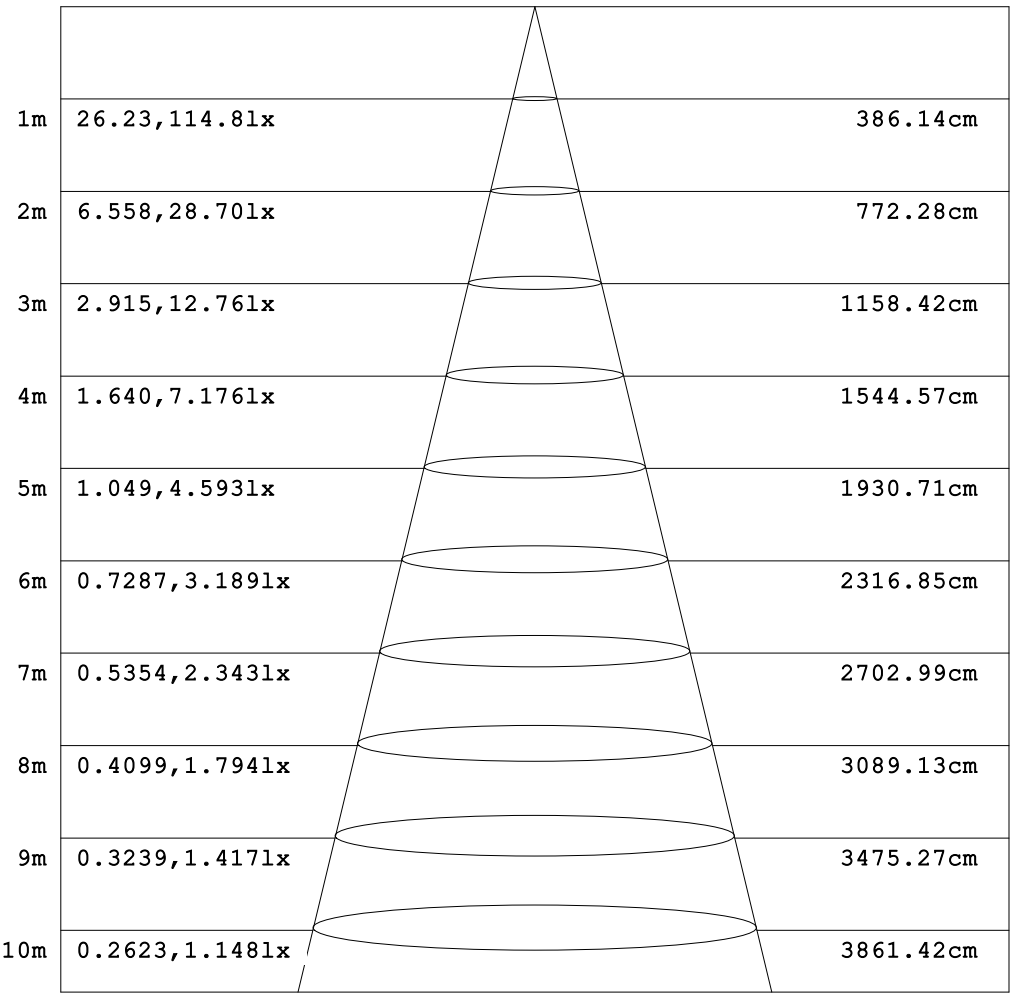
C Range: 0 - 360DEG
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Test Speed: HIGH
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

AAI Figure

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

Flux out:317.4 lm



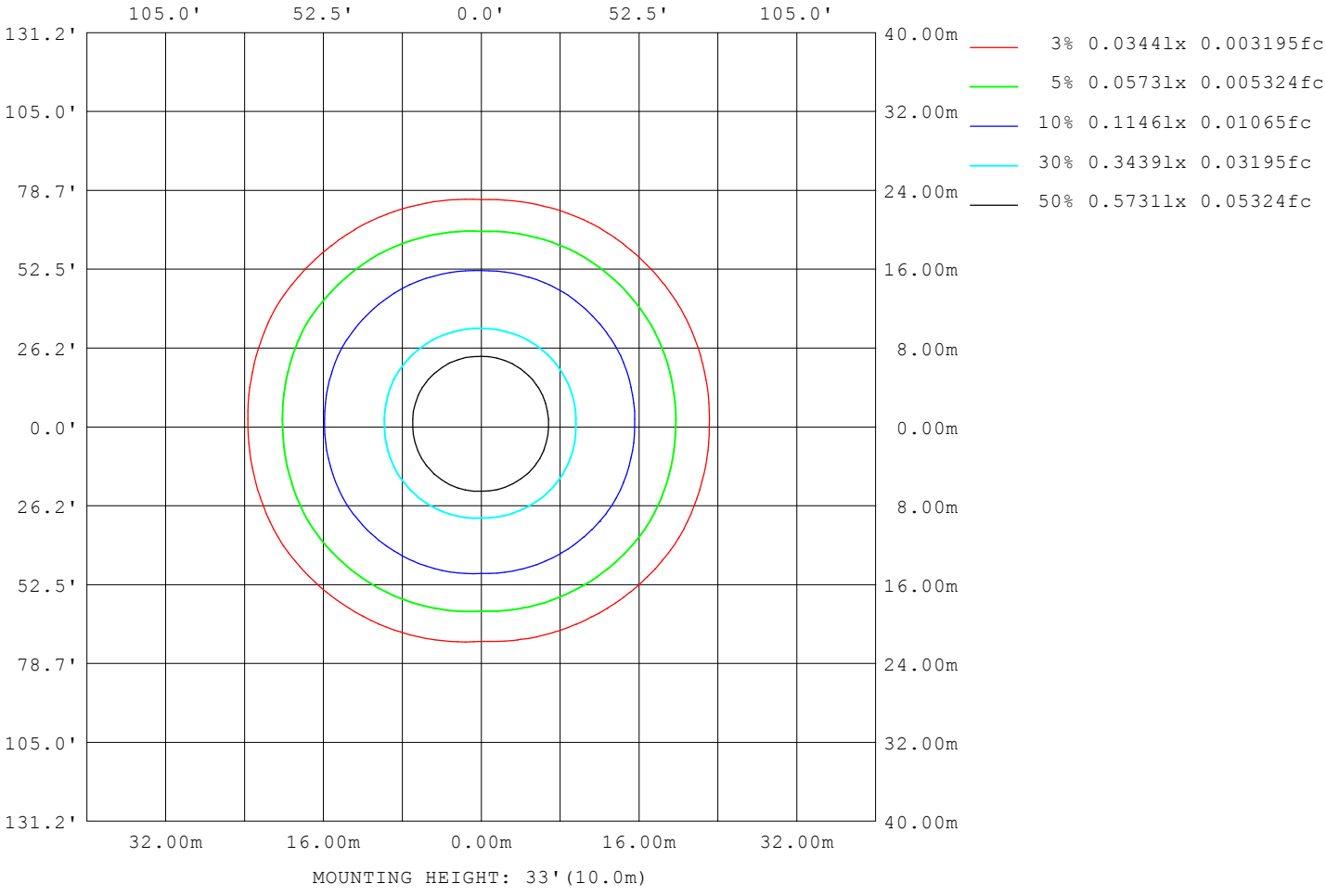
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

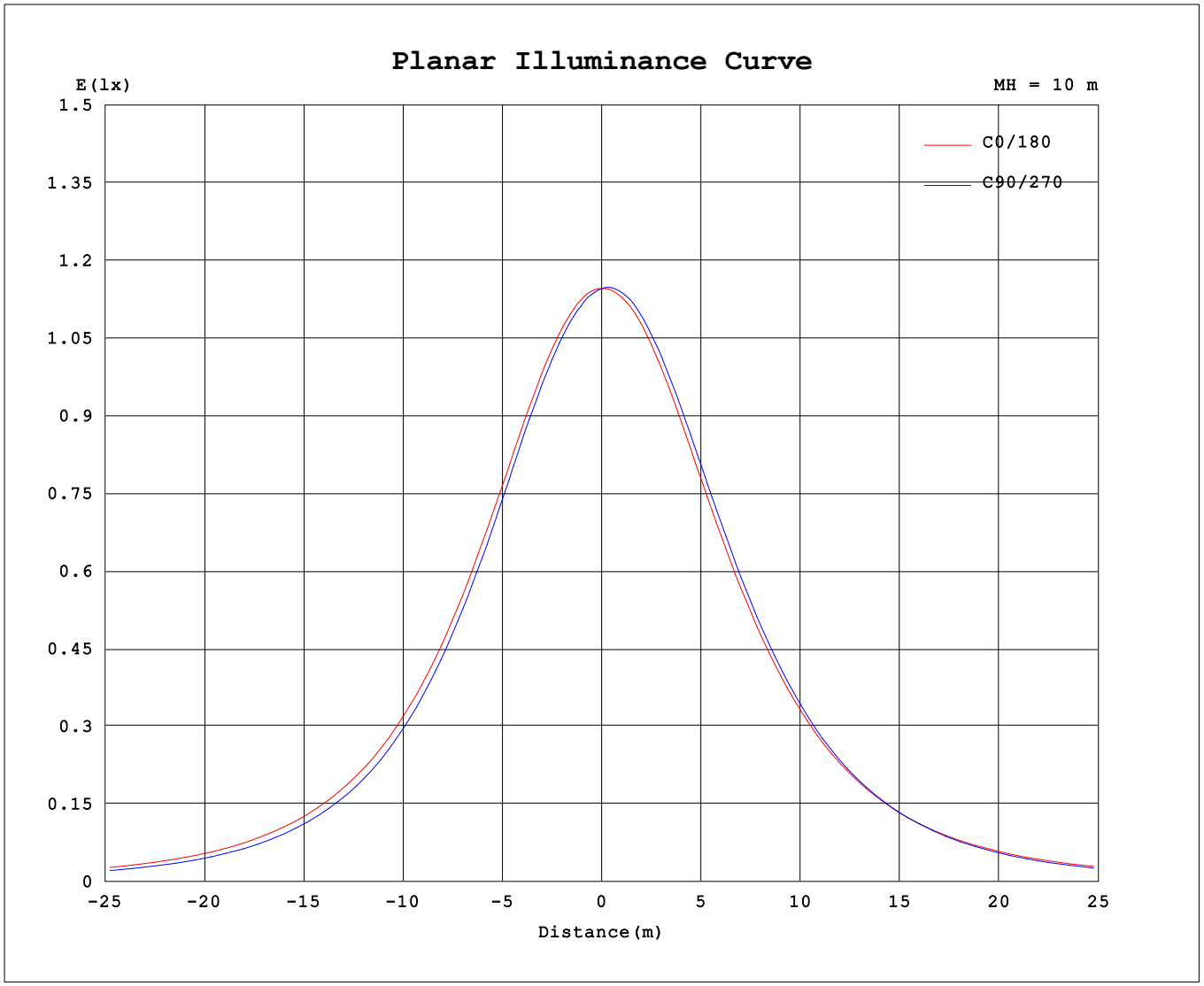
AvgL	cd/m2
L_0~180(65)av	1426
L_0~180(75)av	1521
L_0~180(85)av	2007
L_90~270(65)av	1256
L_90~270(75)av	1088
L_90~270(85)av	563
L_45(65)av	1422
L_45(75)av	1434
L_45(85)av	1670

Standard: GB/T 29293-2012

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Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

Planar Illuminance Curve



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C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HCP-3456250-G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	115	115	115	115	115	115	115	115	115	115	115	115							
5	114	114	114	113	114	114	115	115	116	115	115	115							
10	114	113	112	112	112	113	114	115	116	116	115	115							
15	112	111	110	110	111	112	113	115	116	116	115	114							
20	111	109	108	108	109	110	112	114	115	115	114	113							
25	108	107	105	104	106	107	109	112	113	113	112	110							
30	105	103	102	100	103	105	107	110	111	111	110	108							
35	101	99.9	97.3	95.8	98.6	101	103	107	108	107	107	104							
40	95.7	95.2	92.2	90.2	93.8	97.1	98.9	104	104	103	102	100							
45	90.1	89.4	86.2	83.5	88.2	92.2	93.7	98.9	99.3	96.8	97.1	94.8							
50	83.5	82.8	79.0	75.9	81.4	85.9	87.5	92.9	92.9	89.5	90.6	88.2							
55	76.1	75.1	71.1	67.7	73.3	78.6	80.1	85.4	84.9	80.8	82.5	80.6							
60	67.6	66.5	61.9	58.2	64.2	70.1	71.6	76.7	75.2	70.4	72.8	71.7							
65	58.2	57.0	51.8	47.8	54.2	60.6	62.3	66.6	64.1	58.4	61.8	61.5							
70	48.1	46.7	41.1	36.6	43.3	50.2	52.0	55.1	51.6	45.3	49.4	50.6							
75	37.7	36.2	30.3	25.3	32.0	39.1	41.1	42.8	38.3	31.0	36.2	39.0							
80	27.0	25.7	19.7	14.3	20.9	27.6	29.6	30.2	24.9	16.9	23.2	27.3							
85	16.6	15.7	10.7	5.11	11.2	16.5	18.4	17.9	13.2	4.71	12.0	16.2							
90	8.38	7.94	4.93	0.28	5.07	8.18	9.16	8.70	5.54	0.02	5.03	7.93							
95	5.00	4.89	3.16	0.03	3.15	5.06	5.45	5.22	3.29	0.02	3.17	4.84							
100	4.76	4.29	2.45	0.05	2.37	4.55	4.90	4.60	2.38	0.02	2.32	4.40							
105	5.20	4.53	1.50	0.07	1.51	4.59	5.27	4.59	1.48	0.02	1.41	4.39							
110	5.61	4.24	0.48	0.07	0.49	4.27	5.33	4.24	0.47	0.04	0.53	4.07							
115	4.82	3.16	0.27	0.09	0.25	3.15	4.58	3.07	0.23	0.06	0.40	3.02							
120	3.22	1.37	0.22	0.10	0.15	1.54	2.94	1.43	0.11	0.06	0.32	1.37							
125	1.53	0.55	0.14	0.12	0.11	0.55	1.23	0.56	0.10	0.08	0.12	0.77							
130	0.86	0.37	0.12	0.13	0.12	0.35	0.50	0.35	0.12	0.11	0.12	0.67							
135	0.79	0.31	0.12	0.14	0.12	0.17	0.30	0.18	0.13	0.12	0.14	0.54							
140	0.66	0.15	0.13	0.15	0.13	0.15	0.15	0.14	0.14	0.12	0.14	0.21							
145	0.17	0.16	0.13	0.17	0.14	0.16	0.16	0.14	0.15	0.13	0.16	0.16							
150	0.16	0.17	0.15	0.17	0.16	0.17	0.17	0.14	0.16	0.13	0.17	0.16							
155	0.16	0.18	0.16	0.18	0.16	0.17	0.17	0.16	0.17	0.16	0.17	0.16							
160	0.16	0.18	0.16	0.19	0.16	0.19	0.17	0.16	0.18	0.16	0.18	0.16							
165	0.17	0.18	0.16	0.19	0.17	0.19	0.19	0.16	0.19	0.16	0.18	0.16							
170	0.17	0.18	0.17	0.19	0.17	0.19	0.19	0.16	0.19	0.17	0.18	0.17							
175	0.17	0.18	0.17	0.19	0.17	0.19	0.19	0.17	0.19	0.17	0.18	0.17							
180	0.18	0.18	0.17	0.19	0.18	0.18	0.19	0.18	0.19	0.18	0.18	0.18							

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