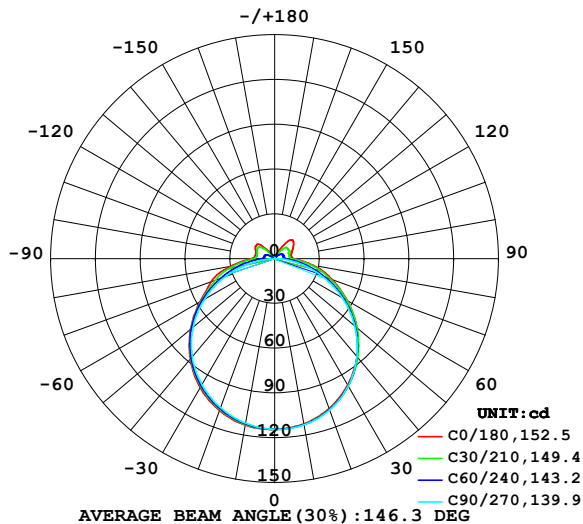


LUMINAIRE PHOTOMETRIC TEST REPORT

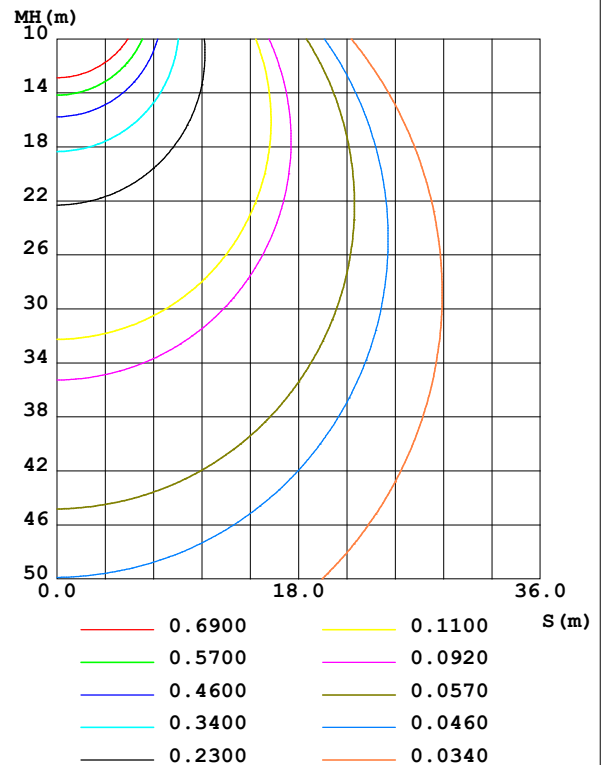
NAME: HCP-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 83.18 lm/W
MODEL	HCP-3466251	Imax (cd)	114.5	S/MH(C0/180)	1.30	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.27	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	402.12	η UP,DN(C0-180)	5.0,44.9	
NOMINAL FLUX(lm)	402.119	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.8,45.3	
LAMPS INSIDE	1	η up (%)	9.8	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	90.2	CIBSE SHR MAX	1.50	

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:zhuo
 Test Date:2022-05-24

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	112.4	112.8	113.1	113.4	113.3	112.6	112.0	112.0	0- 10	10.84	10.84	2.7,2.7
20	106.8	107.5	107.9	108.6	108.3	107.3	106.2	106.4	10- 20	31.20	42.05	10.5,10.5
30	97.80	98.59	98.65	100.1	99.84	98.75	97.54	97.63	20- 30	47.70	89.74	22.3,22.3
40	85.96	86.28	85.76	88.03	87.95	87.27	85.92	85.97	30- 40	58.23	148.0	36.8,36.8
50	71.87	71.36	70.01	73.10	73.59	72.97	71.33	71.76	40- 50	61.49	209.5	52.1,52.1
60	56.30	54.78	52.32	56.41	57.76	56.54	54.16	55.54	50- 60	57.23	266.7	66.3,66.3
70	40.85	37.57	33.25	40.02	45.36	40.35	35.25	38.64	60- 70	46.71	313.4	77.9,77.9
80	26.41	21.95	14.60	24.67	29.97	24.69	13.71	22.71	70- 80	32.74	346.1	86.1,86.1
90	12.98	9.308	0.5189	11.23	15.62	11.40	0.1806	9.609	80- 90	16.64	362.8	90.2,90.2
100	11.42	8.096	0.0554	9.656	13.24	9.778	0.0408	7.953	90-100	9.109	371.9	92.5,92.5
110	12.27	8.240	0.0816	9.596	13.52	9.679	0.0524	8.097	100-110	8.442	380.3	94.6,94.6
120	14.30	8.528	0.1020	8.747	15.06	8.893	0.0699	8.297	110-120	8.162	388.5	96.6,96.6
130	16.75	7.816	0.1312	5.992	15.20	6.083	0.1078	7.101	120-130	7.011	395.5	98.4,98.4
140	16.41	5.461	0.1458	1.713	7.514	1.717	0.1166	3.867	130-140	4.592	400.1	99.5,99.5
150	7.283	2.329	0.1632	0.2141	0.2352	0.1924	0.1312	0.8111	140-150	1.558	401.7	99.9,99.9
160	1.678	0.8271	0.1807	0.2156	0.1660	0.1909	0.1603	0.2303	150-160	0.3594	402.0	100,100
170	0.3997	0.2519	0.1865	0.2127	0.1660	0.1909	0.1603	0.1821	160-170	0.0892	402.1	100,100
180	0.1835	0.1836	0.1865	0.1923	0.1660	0.1879	0.1661	0.1835	170-180	0.0187	402.1	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:266.69 %lum: 66.3%
0 - 60 DEG Zonal Flux:266.69 %lum: 66.3%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 17.4%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 25.1%

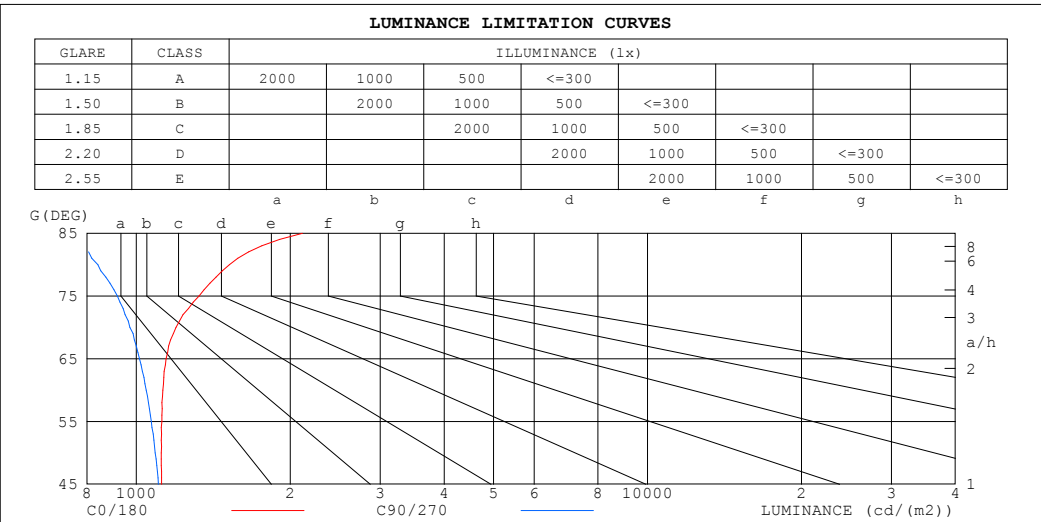
C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Temperature:25.3DEG	Humidity:65.0%
Operators:zhuo	Test Distance:6.070m [K=1.0000]
Test Date:2022-05-24	Remarks:

IES Flood Report

Photometric Filename: HCP-3466251-1M W.IES

LUMINANCE LIMITATION CURVES

NAME: HCP-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2114	761
80	1522	841
75	1326	918
70	1195	972
65	1144	1014
60	1127	1046
55	1121	1070
50	1119	1089
45	1119	1105

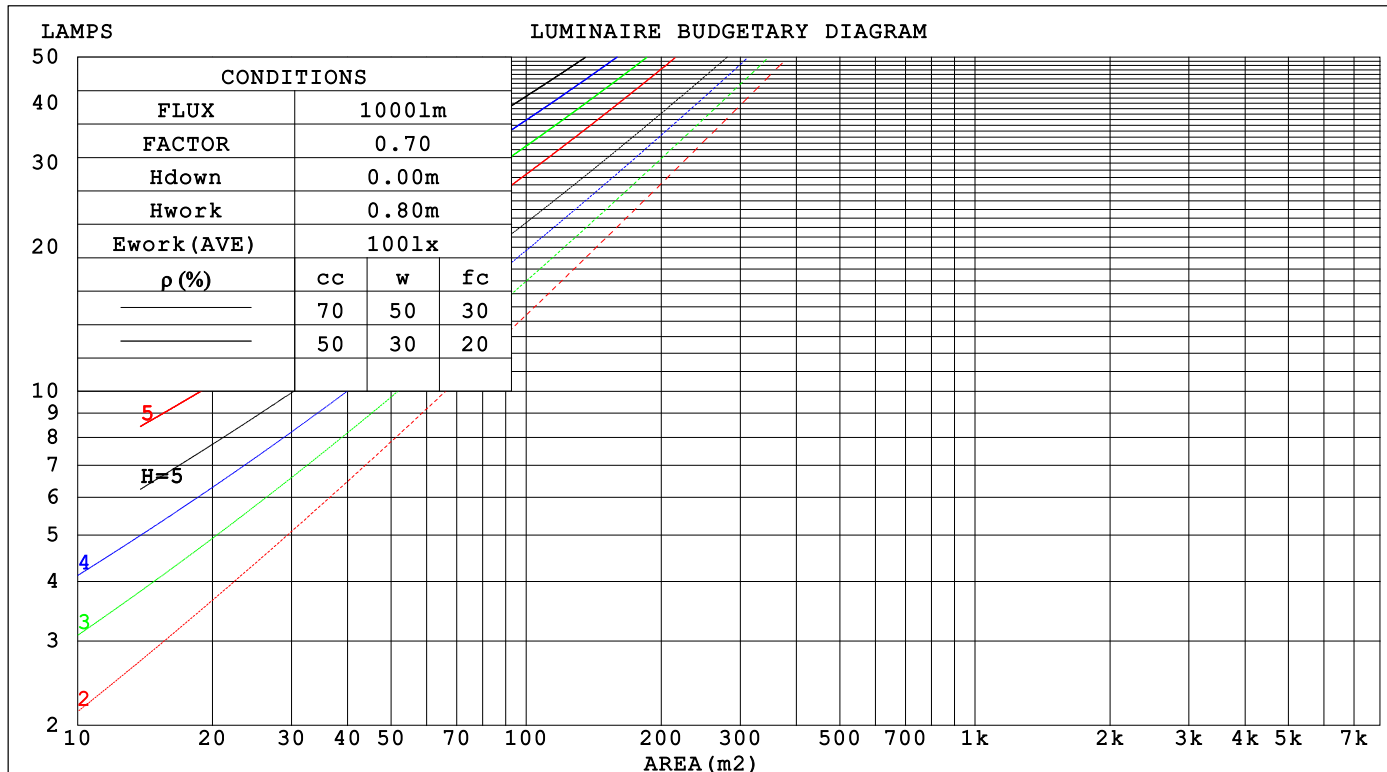
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: zhuo
 Test Date: 2022-05-24

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-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	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 Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	.99	.99	.99	.93	.93	.93	.90
1.0	.00	.95	.91	.97	.92	.88	.91	.87	.84	.85	.82	.80	.80	.78	.76	.73
2.0	.86	.79	.73	.84	.77	.71	.78	.73	.68	.74	.69	.65	.69	.66	.62	.59
3.0	.75	.67	.60	.73	.65	.59	.69	.62	.57	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.57	.50	.64	.56	.50	.61	.54	.48	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.48	.43	.38	.36
6.0	.53	.44	.37	.52	.43	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.33	.47	.38	.32	.44	.37	.32	.42	.36	.31	.40	.34	.30	.28
8.0	.44	.35	.29	.43	.35	.29	.41	.33	.28	.38	.32	.27	.37	.31	.27	.25
9.0	.40	.32	.26	.39	.31	.26	.37	.30	.25	.35	.29	.25	.34	.28	.24	.22
10.0	.37	.29	.24	.36	.28	.23	.34	.28	.23	.33	.27	.22	.31	.26	.22	.20



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-05-24

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-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	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	.341	.194	.061	.331	.189	.060	.312	.179	.057	.294	.170	.055	.278	.161	.052	
2.0	.309	.169	.052	.300	.165	.051	.283	.157	.049	.267	.150	.047	.252	.143	.045	
3.0	.280	.149	.045	.272	.146	.044	.257	.139	.042	.243	.133	.041	.230	.127	.039	
4.0	.256	.133	.039	.249	.130	.038	.235	.125	.037	.222	.119	.036	.210	.114	.035	
5.0	.235	.120	.035	.228	.117	.034	.216	.112	.033	.204	.108	.032	.193	.103	.031	
6.0	.217	.109	.031	.211	.106	.031	.199	.102	.030	.189	.098	.029	.179	.094	.028	
7.0	.201	.099	.028	.195	.097	.028	.185	.094	.027	.176	.090	.026	.167	.087	.025	
8.0	.187	.091	.026	.182	.090	.025	.173	.086	.025	.164	.083	.024	.156	.080	.023	
9.0	.175	.085	.024	.170	.083	.023	.162	.080	.023	.154	.077	.022	.146	.074	.021	
10.0	.164	.079	.022	.160	.077	.022	.152	.075	.021	.145	.072	.020	.138	.069	.020	

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	.265	.265	.265	.226	.226	.226	.155	.155	.155	.089	.089	.089	.028	.028	.028	
1.0	.258	.231	.207	.220	.198	.178	.151	.136	.123	.087	.079	.072	.028	.025	.023	
2.0	.250	.207	.172	.214	.179	.148	.147	.124	.103	.085	.072	.061	.027	.023	.020	
3.0	.243	.190	.149	.208	.164	.129	.143	.114	.091	.082	.067	.053	.026	.022	.017	
4.0	.235	.178	.134	.202	.153	.116	.139	.107	.082	.080	.063	.048	.026	.020	.016	
5.0	.227	.167	.123	.195	.145	.107	.135	.101	.076	.078	.059	.045	.025	.019	.015	
6.0	.220	.159	.116	.189	.138	.101	.131	.097	.071	.076	.057	.042	.024	.019	.014	
7.0	.213	.153	.110	.183	.132	.096	.127	.093	.068	.074	.055	.040	.024	.018	.013	
8.0	.207	.147	.106	.178	.127	.092	.123	.089	.065	.072	.053	.039	.023	.017	.013	
9.0	.201	.142	.102	.173	.123	.089	.120	.087	.063	.070	.051	.038	.023	.017	.013	
10.0	.195	.138	.100	.168	.120	.087	.117	.084	.062	.068	.050	.037	.022	.016	.012	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

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-3466251-W					TYPE: 2216 W			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	2H	15.9	17.3	16.3	17.7	18.1	15.6	17.0	16.0	17.4	17.8
	3H	17.7	19.1	18.2	19.5	19.9	17.2	18.5	17.6	18.9	19.3
	4H	18.7	20.0	19.2	20.4	20.9	17.8	19.0	18.3	19.5	19.9
	6H	19.7	20.9	20.2	21.3	21.8	18.3	19.5	18.8	19.9	20.4
	8H	20.1	21.3	20.6	21.7	22.2	18.4	19.6	18.9	20.0	20.5
	12H	20.6	21.7	21.1	22.2	22.7	18.5	19.6	19.0	20.1	20.6
4H	2H	16.5	17.7	16.9	18.1	18.6	16.2	17.5	16.7	17.9	18.4
	3H	18.6	19.7	19.1	20.1	20.6	18.0	19.1	18.5	19.6	20.1
	4H	19.7	20.7	20.2	21.2	21.7	18.8	19.8	19.3	20.3	20.8
	6H	20.8	21.7	21.4	22.2	22.8	19.5	20.3	20.0	20.9	21.4
	8H	21.4	22.2	21.9	22.8	23.3	19.7	20.5	20.2	21.0	21.6
	12H	21.9	22.7	22.5	23.3	23.9	19.8	20.6	20.4	21.2	21.8
8H	4H	20.0	20.8	20.6	21.4	22.0	19.3	20.1	19.8	20.6	21.2
	6H	21.4	22.1	22.0	22.7	23.3	20.1	20.8	20.7	21.4	22.0
	8H	22.1	22.7	22.7	23.3	24.0	20.5	21.1	21.1	21.7	22.3
	12H	22.9	23.4	23.5	24.0	24.7	20.8	21.3	21.4	21.9	22.6
12H	4H	20.0	20.8	20.6	21.4	22.0	19.3	20.1	19.9	20.7	21.3
	6H	21.5	22.1	22.1	22.7	23.4	20.3	20.9	20.9	21.5	22.2
	8H	22.3	22.8	22.9	23.4	24.1	20.7	21.3	21.4	21.9	22.6
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					+ 0.1 / - 0.3					

CIE Pub.117, 402.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.2)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-24

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-3466251-W	TYPE: 2216 W	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) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	34	52	40	33	50	40	33	27
0.80	62	50	42	61	50	42	59	48	41	34
1.00	70	59	51	69	58	50	66	58	49	41
1.25	77	66	58	76	65	58	72	63	56	48
1.50	83	72	64	80	70	63	76	68	61	52
2.00	90	80	73	87	78	71	82	75	69	59
2.50	94	85	78	91	83	77	86	79	74	63
3.00	97	89	83	94	87	81	89	83	78	67
4.00	102	95	89	98	92	87	93	88	84	72
5.00	104	99	94	101	96	91	95	91	87	75
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: zhuo
Test Date: 2022-05-24

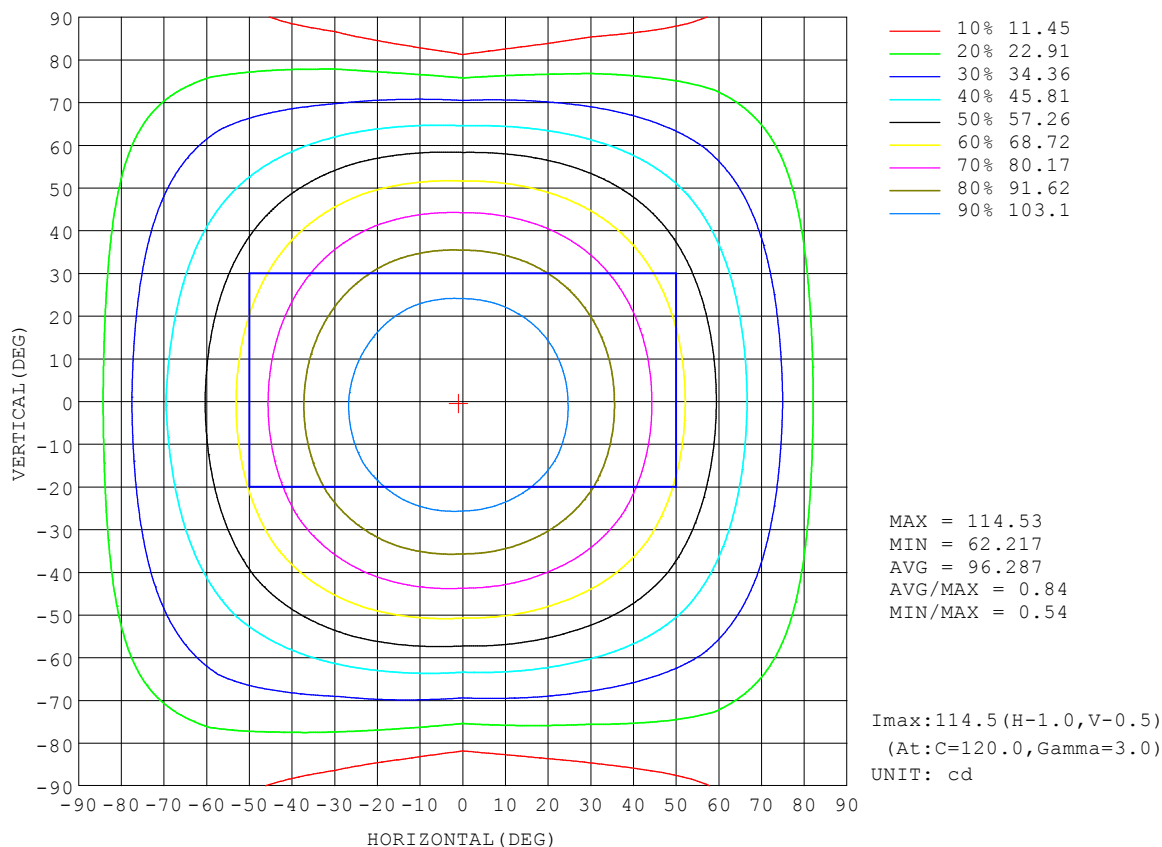
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity: 65.0%
Test Distance: 6.070m [K=1.0000]
Remarks:

IES Flood Report

Photometric Filename: HCP-3466251-1M W.IES

ISOCANDELA DIAGRAM

NAME: HCP-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

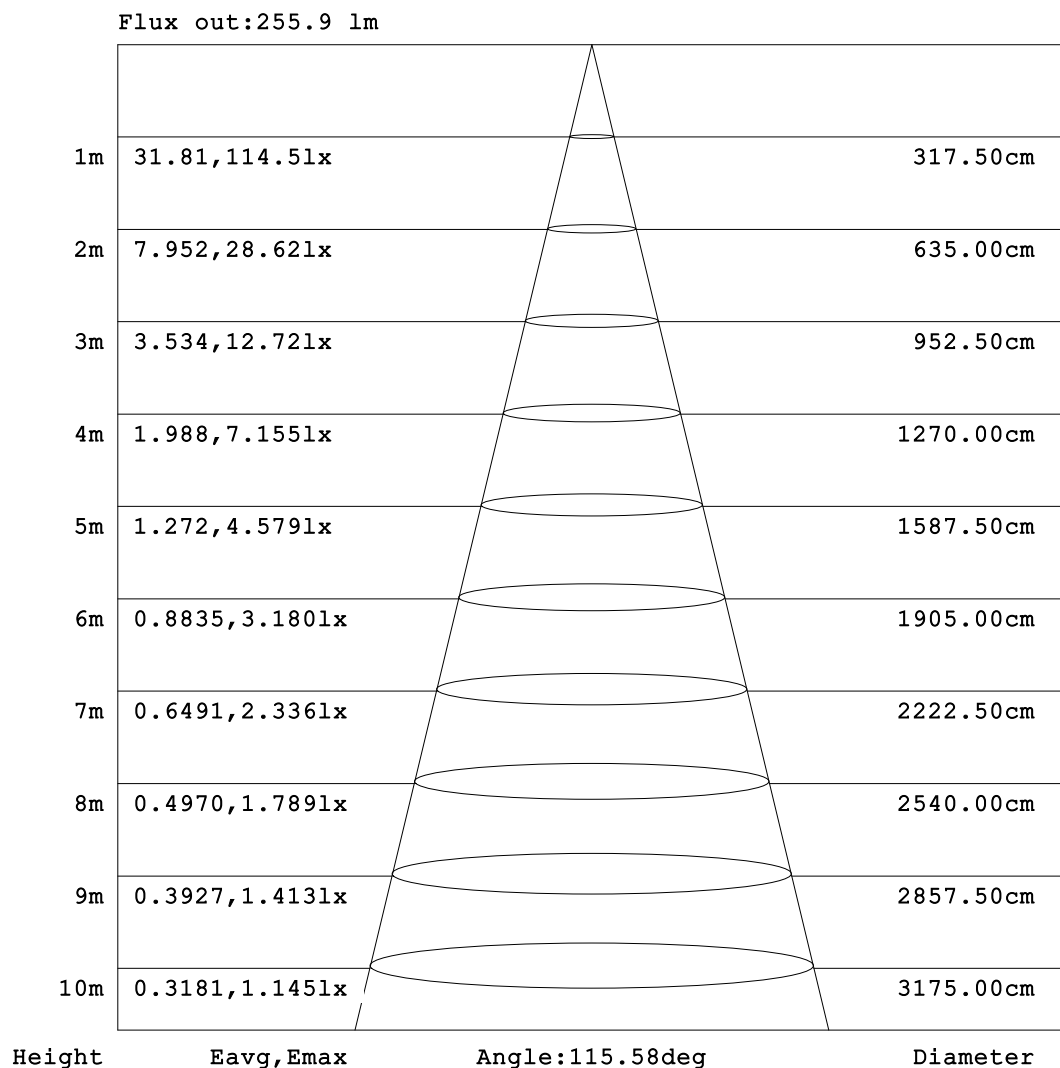


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-05-24

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-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



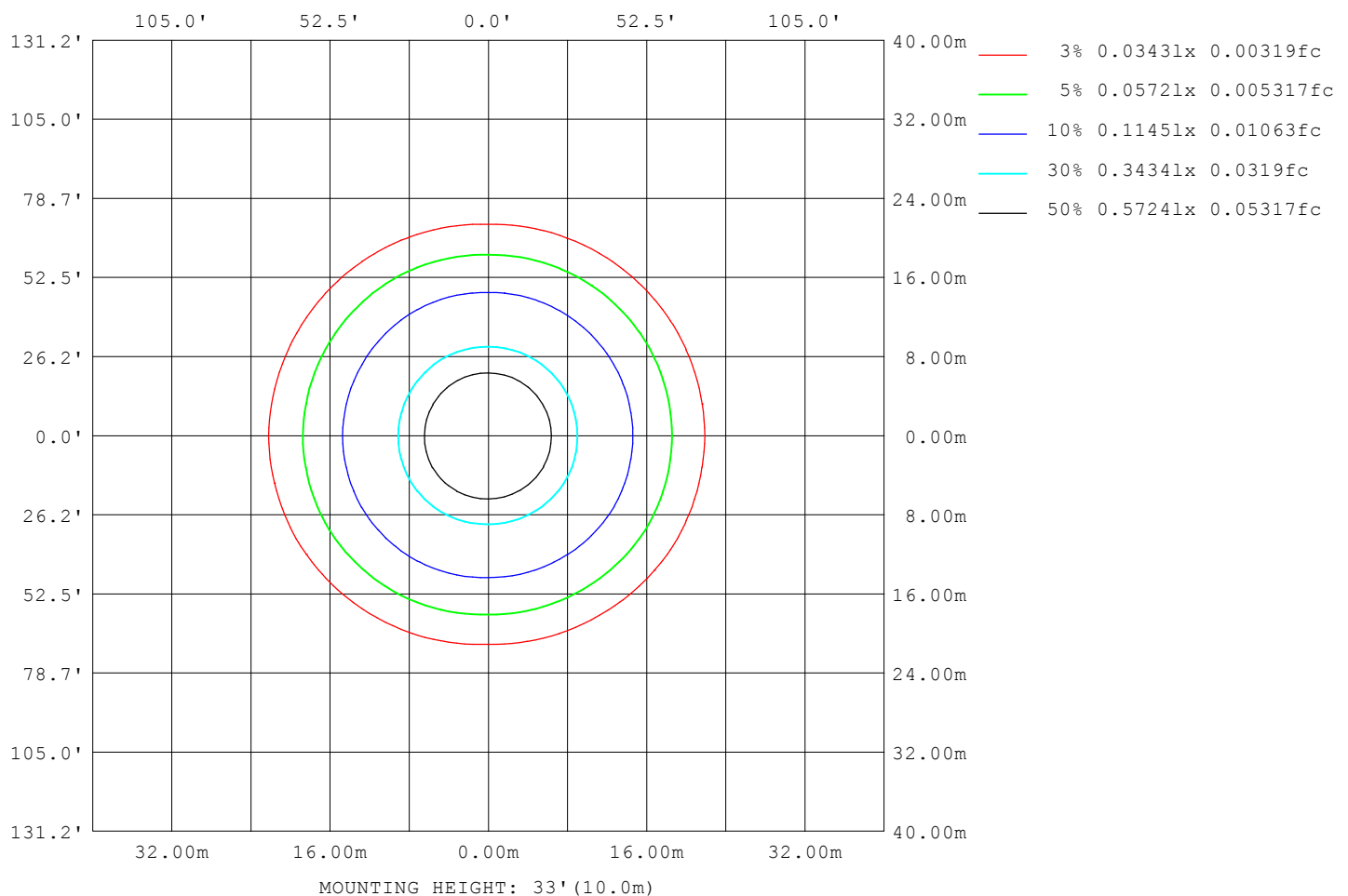
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-05-24

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-3466251-W	TYPE: 2216 W	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: zhuo
Test Date: 2022-05-24

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-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

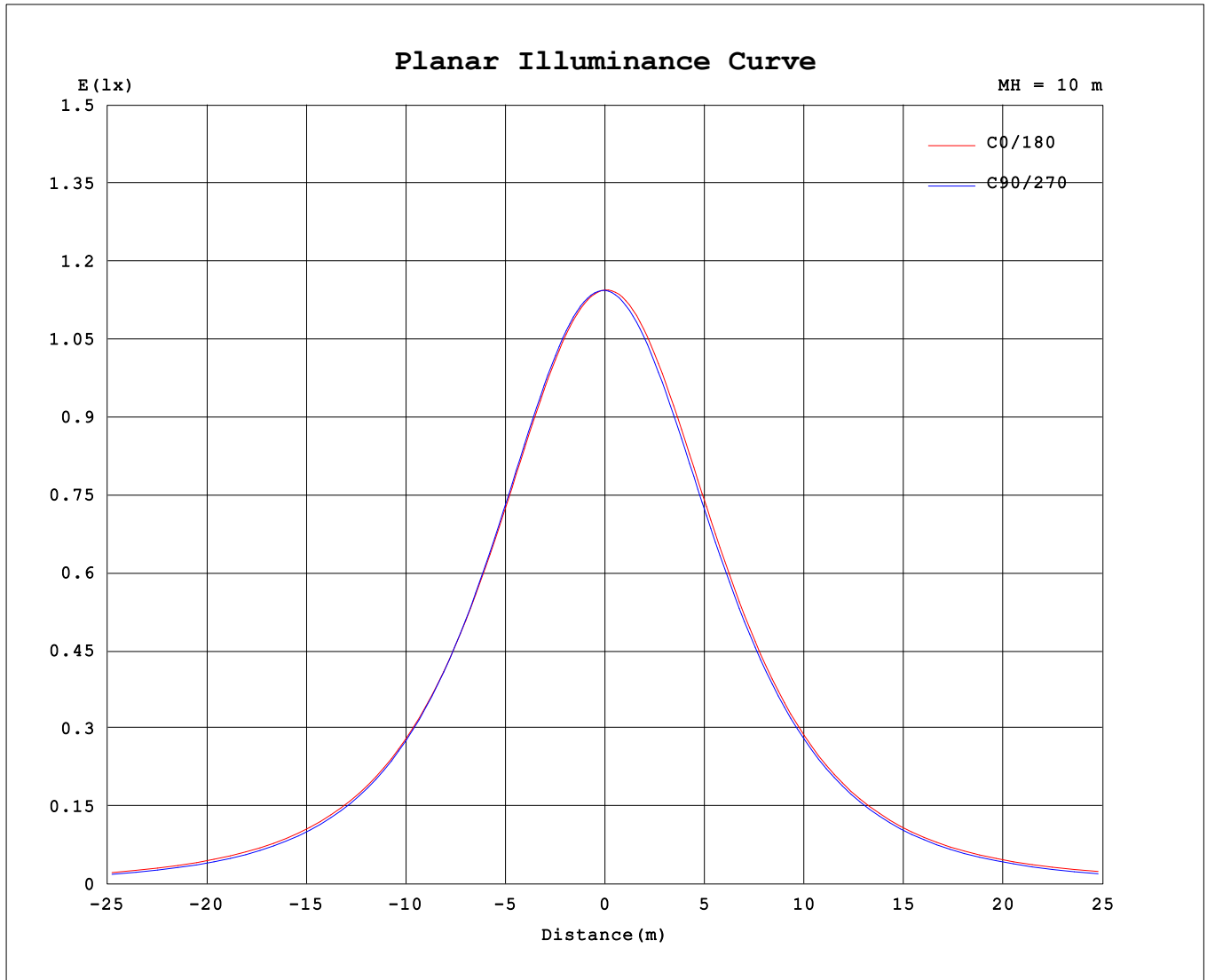
AvgL	cd/m2
L_0~180 (65) av	1169
L_0~180 (75) av	1412
L_0~180 (85) av	2303
L_90~270 (65) av	1039
L_90~270 (75) av	933
L_90~270 (85) av	688
L_45 (65) av	1121
L_45 (75) av	1223
L_45 (85) av	1853

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-05-24

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: zhuo
Test Date: 2022-05-24

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-3466251-W	TYPE: 2216 W	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	114	114	114	114	114	114	114	114	114	114	114	114							
5	114	114	114	114	114	114	114	114	114	114	114	114							
10	112	113	113	113	113	113	113	113	112	112	112	112							
15	110	111	111	111	111	112	111	111	110	110	110	110							
20	107	107	108	108	109	109	108	108	107	106	106	107							
25	103	103	104	104	105	105	105	104	103	102	102	102							
30	97.8	98.7	98.5	98.7	99.8	100	99.8	99.0	98.5	97.5	97.6	97.6							
35	92.3	93.0	92.7	92.7	94.1	94.9	94.3	93.7	93.1	92.1	92.2	92.1							
40	86.0	86.7	85.9	85.8	87.5	88.6	88.0	87.4	87.1	85.9	86.0	85.9							
45	79.1	79.6	78.5	78.1	80.2	81.4	81.0	80.5	80.3	79.0	79.2	79.1							
50	71.9	72.1	70.6	70.0	72.4	73.8	73.6	73.0	72.9	71.3	71.8	71.8							
55	64.3	64.2	62.3	61.4	64.1	65.8	65.7	65.1	64.8	63.0	63.7	64.0							
60	56.3	56.0	53.6	52.3	55.3	57.5	57.8	56.9	56.2	54.2	55.1	55.9							
65	48.3	47.6	44.7	42.9	46.3	49.4	50.5	49.0	47.3	44.9	46.4	47.8							
70	40.8	39.4	35.7	33.2	37.5	42.6	45.4	42.3	38.4	35.3	37.5	39.8							
75	34.3	32.2	27.1	23.8	29.3	36.4	38.8	35.9	29.9	24.5	28.7	32.5							
80	26.4	24.9	19.0	14.6	21.4	28.0	30.0	27.5	21.9	13.7	20.4	25.0							
85	18.4	17.2	11.9	6.63	13.8	20.0	21.7	19.6	14.1	5.35	12.7	17.2							
90	13.0	11.8	6.80	0.52	8.39	14.1	15.6	14.0	8.74	0.18	7.37	11.9							
95	11.6	10.4	6.09	0.04	7.45	12.4	13.7	12.5	7.66	0.04	6.38	10.6							
100	11.4	10.0	6.16	0.06	7.24	12.1	13.2	12.2	7.36	0.04	5.87	10.0							
105	11.6	10.3	6.07	0.07	7.14	12.0	13.2	12.1	7.20	0.04	5.92	10.1							
110	12.3	10.5	6.01	0.08	6.81	12.4	13.5	12.4	6.94	0.05	5.88	10.3							
115	13.2	11.3	5.96	0.09	5.85	13.0	14.2	13.0	6.10	0.06	5.92	11.1							
120	14.3	11.1	5.93	0.10	4.00	13.5	15.1	13.5	4.33	0.07	5.76	10.8							
125	15.6	11.0	5.42	0.11	1.77	13.5	15.3	13.5	2.11	0.08	5.00	10.9							
130	16.7	11.2	4.43	0.13	0.29	11.7	15.2	11.8	0.36	0.11	3.27	10.9							
135	17.3	10.7	3.31	0.14	0.19	8.03	12.7	8.23	0.17	0.12	1.49	10.1							
140	16.4	8.61	2.31	0.15	0.19	3.24	7.51	3.26	0.17	0.12	0.46	7.27							
145	12.2	5.74	1.56	0.15	0.19	0.43	2.15	0.48	0.18	0.13	0.18	3.64							
150	7.28	3.62	1.04	0.16	0.20	0.22	0.24	0.20	0.18	0.13	0.18	1.44							
155	3.82	2.16	0.66	0.17	0.20	0.22	0.17	0.20	0.18	0.15	0.18	0.39							
160	1.68	1.23	0.43	0.18	0.21	0.22	0.17	0.20	0.19	0.16	0.24	0.22							
165	0.85	0.64	0.28	0.18	0.21	0.22	0.17	0.20	0.19	0.16	0.23	0.20							
170	0.40	0.30	0.20	0.19	0.21	0.22	0.17	0.20	0.19	0.16	0.17	0.19							
175	0.20	0.18	0.19	0.19	0.20	0.21	0.17	0.20	0.19	0.16	0.17	0.20							
180	0.18	0.18	0.19	0.19	0.19	0.19	0.17	0.19	0.19	0.17	0.17	0.20							

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