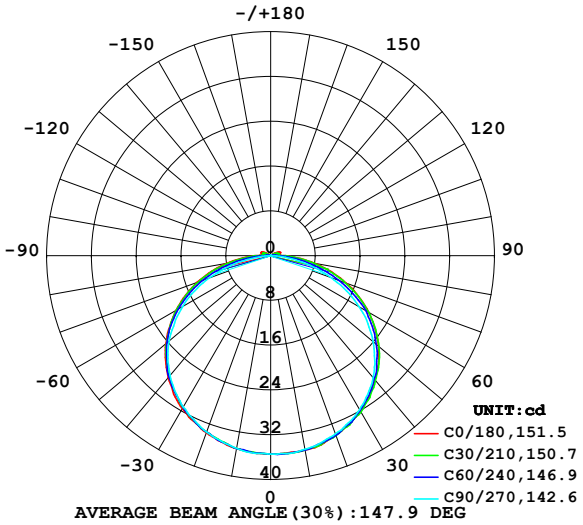
LUMINAIRE PHOTOMETRIC TEST REPORT

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

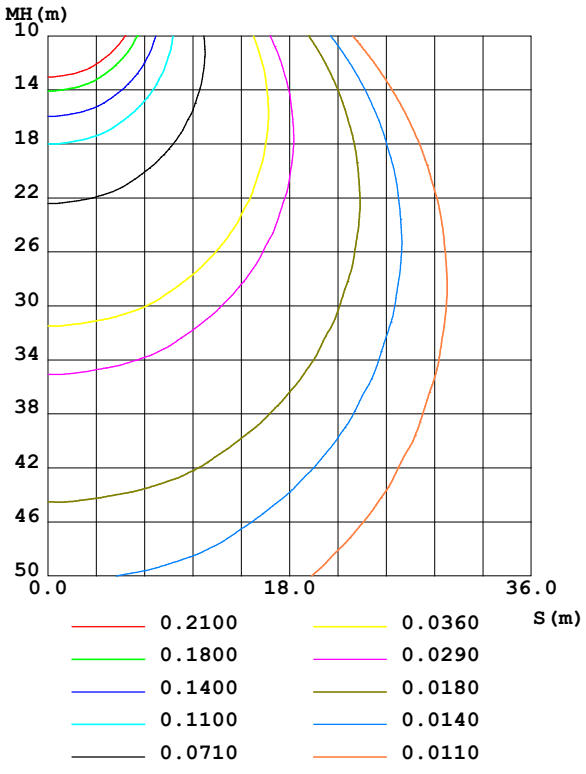
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 6.06 lm/W	
MODEL	HCP-3456250	Imax(cd)	35.51	S/MH(C0/180)	1.33
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	121.16	η UP,DN(C0-180)	1.2,49.2
NOMINAL FLUX(lm)	121.158	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2,48.4
LAMPS INSIDE	1	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%):147.9 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	35.27	35.25	35.15	35.03	35.02	34.99	34.95	35.10	0- 10	3.369	3.369	2.78,2.78
20	34.07	34.16	33.88	33.79	33.64	33.55	33.52	33.76	10- 20	9.763	13.13	10.8,10.8
30	32.08	32.16	31.78	31.67	31.60	31.35	31.22	31.55	20- 30	15.15	28.28	23.3,23.3
40	29.06	28.96	28.48	28.66	28.46	28.24	27.98	28.45	30- 40	18.91	47.19	38.9,38.9
50	25.14	24.96	23.92	24.64	24.44	24.25	23.70	24.42	40- 50	20.54	67.73	55.9,55.9
60	20.23	19.92	18.24	19.50	19.49	19.23	18.12	19.31	50- 60	19.68	87.40	72.1,72.1
70	14.41	13.61	11.45	13.35	14.01	13.32	11.66	13.20	60- 70	16.18	103.6	85.5,85.5
80	7.969	7.024	4.554	6.890	7.967	6.919	4.197	6.681	70- 80	10.48	114.1	94.1,94.1
90	2.322	1.911	0.0289	1.875	2.604	1.898	0	1.816	80- 90	4.165	118.2	97.6,97.6
100	1.459	1.041	0	1.064	1.511	1.046	0	1.016	90-100	1.241	119.5	98.6,98.6
110	1.786	0.7218	0	0.7761	1.794	0.7613	0	0.6901	100-110	0.9433	120.4	99.4,99.4
120	1.032	0.2035	0	0.2364	0.9797	0.2145	0	0.2108	110-120	0.5822	121.0	99.9,99.9
130	0.2405	0.0320	0	0.0189	0.0838	0.0350	0	0.0862	120-130	0.1276	121.1	100,100
140	0.0494	0.0044	0.0088	0.0044	0.0116	0.0102	0	0.0117	130-140	0.0244	121.1	100,100
150	0.0116	0.0073	0.0175	0.0073	0.0174	0.0145	0	0.0132	140-150	0.0060	121.1	100,100
160	0.0116	0.0087	0.0204	0.0088	0.0203	0.0160	0.0058	0.0161	150-160	0.0052	121.2	100,100
170	0.0174	0.0233	0.0234	0.0205	0.0232	0.0233	0.0204	0.0204	160-170	0.0048	121.2	100,100
180	0.0260	0.0247	0.0234	0.0234	0.0260	0.0247	0.0234	0.0234	170-180	0.0022	121.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:87.404 %lum: 72.1%
0 - 60 DEG Zonal Flux:87.404 %lum: 72.1%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 14.9%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 21.4%

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

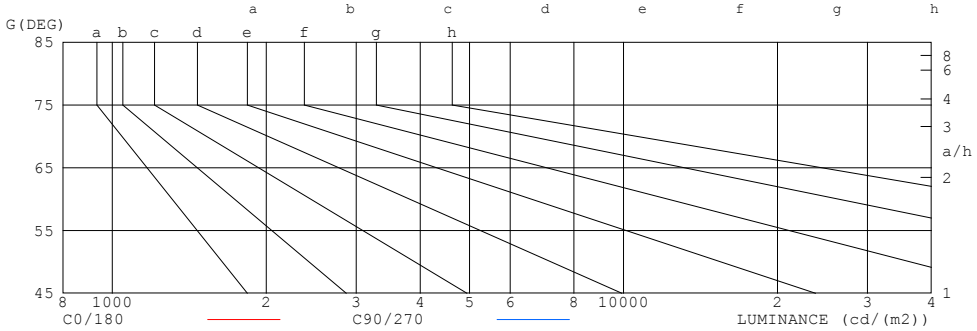
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: HCP-3456250-R	**TYPE: 2835 R**	**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	551	184
80	462	262
75	437	308
70	424	334
65	414	354
60	407	364
55	400	370
50	394	371
45	388	371

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:

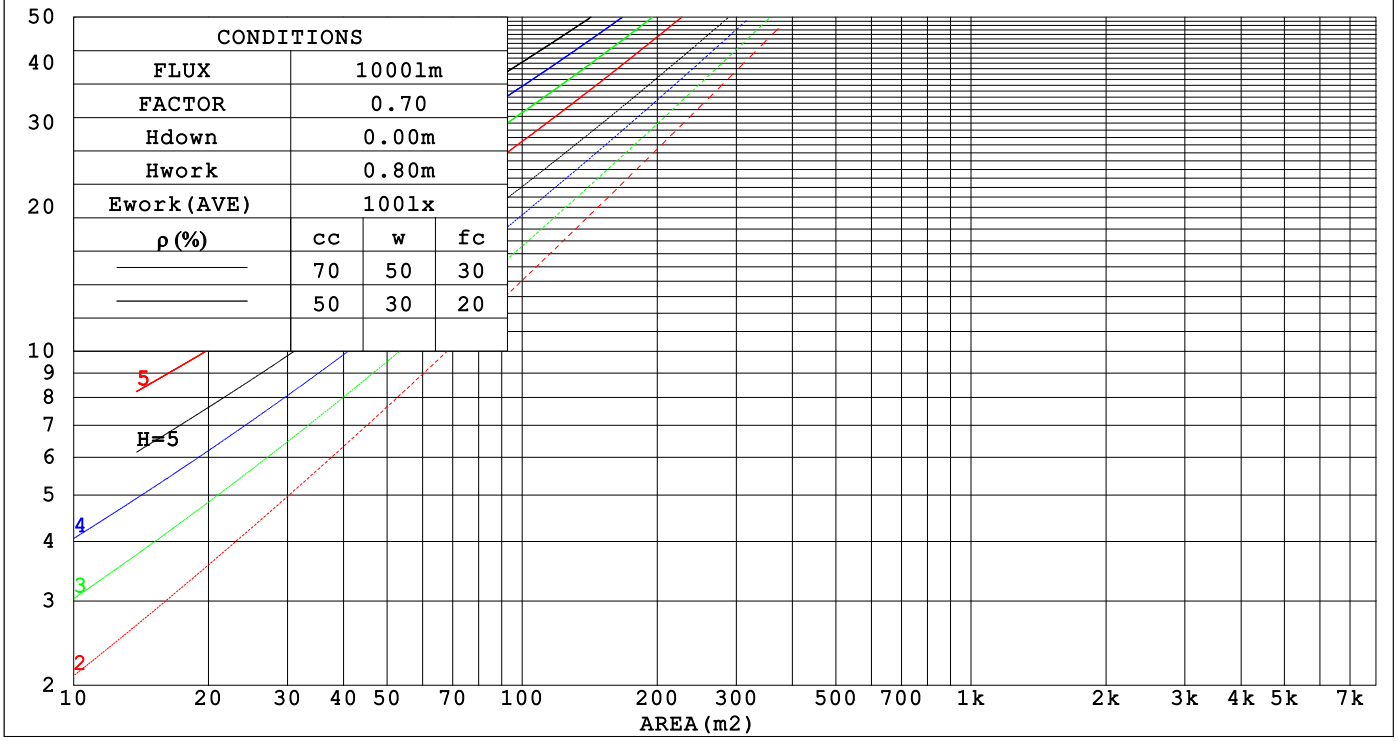
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HCP-3456250-R	TYPE: 2835 R	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	1.02	.97	.93	.99	.95	.91	.94	.91	.88	.90	.87	.85	.86	.84	.82	.79
2.0	.88	.80	.74	.86	.79	.73	.82	.76	.71	.78	.73	.69	.75	.71	.67	.65
3.0	.76	.68	.61	.75	.67	.60	.71	.64	.59	.68	.62	.57	.65	.60	.56	.54
4.0	.67	.58	.51	.66	.57	.50	.63	.55	.50	.60	.54	.49	.58	.52	.48	.45
5.0	.60	.50	.44	.59	.50	.43	.56	.48	.42	.54	.47	.42	.52	.46	.41	.39
6.0	.54	.44	.38	.53	.44	.37	.50	.43	.37	.49	.42	.36	.47	.41	.36	.34
7.0	.48	.39	.33	.48	.39	.33	.46	.38	.32	.44	.37	.32	.42	.36	.32	.29
8.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.40	.33	.28	.39	.33	.28	.26
9.0	.40	.32	.26	.40	.32	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.23
10.0	.37	.29	.24	.37	.29	.24	.35	.28	.23	.34	.28	.23	.33	.27	.23	.21

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-R	TYPE: 2835 R	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	.340	.193	.061	.332	.189	.060	.317	.182	.058	.303	.175	.056	.291	.169	.054	
2.0	.312	.171	.052	.305	.168	.052	.292	.162	.050	.280	.157	.049	.268	.152	.048	
3.0	.285	.152	.045	.279	.149	.045	.267	.145	.044	.256	.140	.043	.246	.136	.042	
4.0	.261	.135	.040	.255	.133	.039	.245	.130	.039	.235	.126	.038	.226	.123	.037	
5.0	.239	.122	.035	.234	.120	.035	.225	.117	.034	.216	.114	.034	.208	.111	.033	
6.0	.221	.111	.032	.216	.109	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030	
7.0	.205	.101	.029	.201	.100	.028	.193	.098	.028	.186	.095	.028	.180	.093	.027	
8.0	.190	.093	.026	.187	.092	.026	.180	.090	.026	.174	.088	.025	.168	.086	.025	
9.0	.178	.086	.024	.175	.085	.024	.169	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.167	.080	.022	.164	.079	.022	.159	.078	.022	.153	.076	.022	.148	.075	.021	

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	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.201	.174	.151	.172	.150	.130	.118	.103	.090	.068	.060	.052	.022	.019	.017	
2.0	.194	.151	.114	.166	.130	.099	.114	.090	.069	.066	.052	.040	.021	.017	.013	
3.0	.186	.133	.091	.160	.115	.079	.110	.080	.055	.063	.047	.033	.020	.015	.011	
4.0	.179	.120	.076	.153	.104	.066	.105	.072	.046	.061	.042	.027	.020	.014	.009	
5.0	.171	.110	.065	.147	.095	.056	.101	.066	.040	.059	.039	.024	.019	.013	.008	
6.0	.164	.102	.057	.141	.088	.050	.097	.062	.035	.056	.036	.021	.018	.012	.007	
7.0	.157	.095	.052	.135	.082	.045	.093	.058	.032	.054	.034	.019	.017	.011	.006	
8.0	.150	.089	.047	.129	.077	.041	.089	.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	.026	.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-R	TYPE: 2835 R	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	17.2	18.7	17.5	19.0	19.2	16.8	18.3	17.1	18.6	18.8
3H	19.1	20.5	19.4	20.8	21.1	18.4	19.8	18.7	20.1	20.4
4H	20.0	21.3	20.3	21.6	22.0	19.0	20.4	19.4	20.7	21.0
6H	20.7	22.0	21.1	22.4	22.7	19.4	20.7	19.8	21.0	21.4
8H	21.1	22.3	21.5	22.7	23.0	19.5	20.8	19.9	21.1	21.5
12H	21.4	22.6	21.8	22.9	23.3	19.6	20.8	20.0	21.1	21.5
4H 2H	17.8	19.2	18.2	19.5	19.8	17.5	18.9	17.9	19.2	19.5
3H	20.0	21.2	20.4	21.5	21.9	19.4	20.6	19.8	20.9	21.3
4H	21.0	22.1	21.4	22.5	22.9	20.1	21.2	20.5	21.6	22.0
6H	21.9	22.9	22.4	23.3	23.7	20.7	21.7	21.1	22.1	22.5
8H	22.3	23.3	22.8	23.7	24.1	20.8	21.8	21.3	22.2	22.6
12H	22.7	23.6	23.2	24.0	24.5	20.9	21.8	21.4	22.2	22.7
8H 4H	21.3	22.2	21.8	22.6	23.1	20.6	21.5	21.0	21.9	22.3
6H	22.5	23.2	22.9	23.7	24.2	21.3	22.1	21.8	22.5	23.0
8H	23.0	23.7	23.5	24.2	24.7	21.6	22.3	22.1	22.8	23.3
12H	23.5	24.1	24.1	24.6	25.2	21.8	22.4	22.3	22.9	23.4
12H 4H	21.3	22.2	21.8	22.6	23.1	20.6	21.5	21.1	21.9	22.4
6H	22.5	23.2	23.0	23.7	24.2	21.5	22.2	22.0	22.6	23.1
8H	23.2	23.8	23.7	24.2	24.8	21.8	22.4	22.3	22.9	23.4
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, 121.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.3)
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-R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

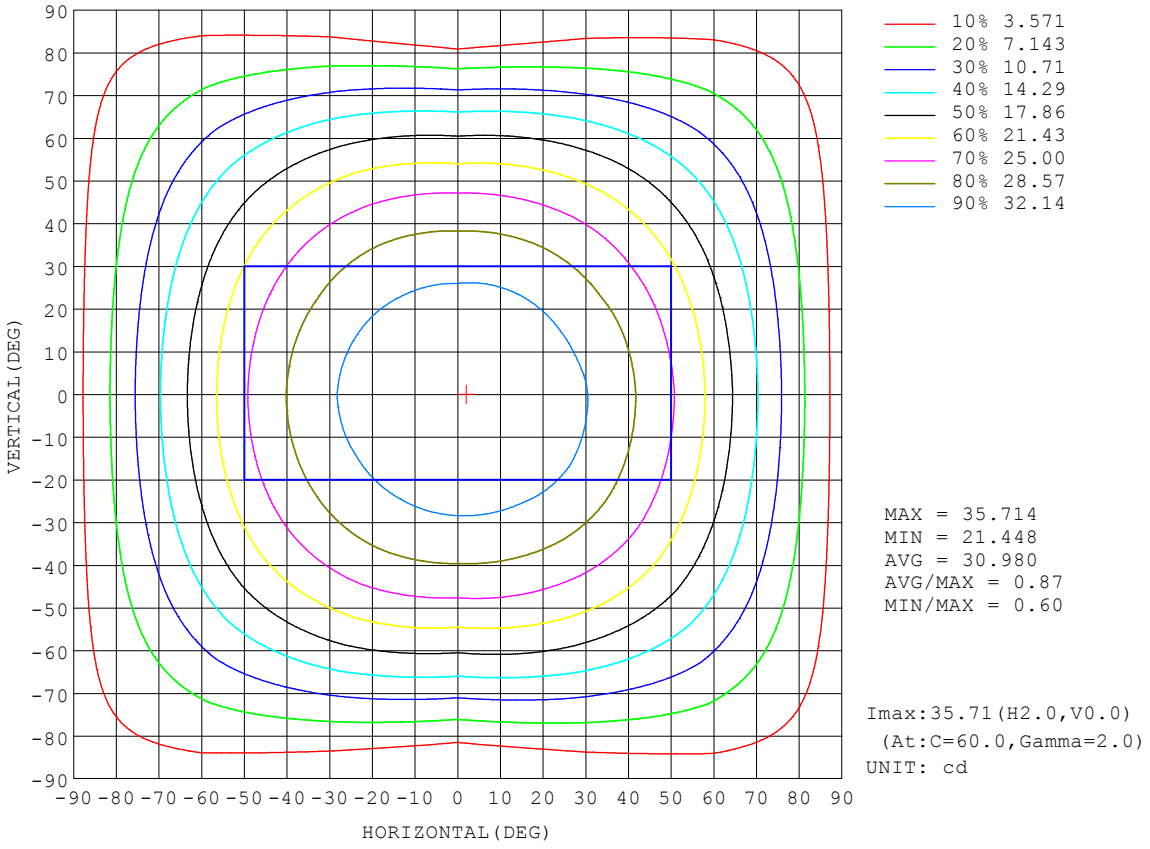
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	54	42	35	53	42	35	52	41	35	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	61	53	71	60	52	69	61	52	44
1.25	80	68	61	78	67	60	75	66	59	51
1.50	85	74	66	83	73	66	80	71	65	56
2.00	92	82	75	90	81	75	86	79	73	64
2.50	96	88	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	85	93	87	82	73
4.00	104	98	92	101	96	91	97	92	88	78
5.00	107	101	97	104	99	95	99	95	92	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-R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



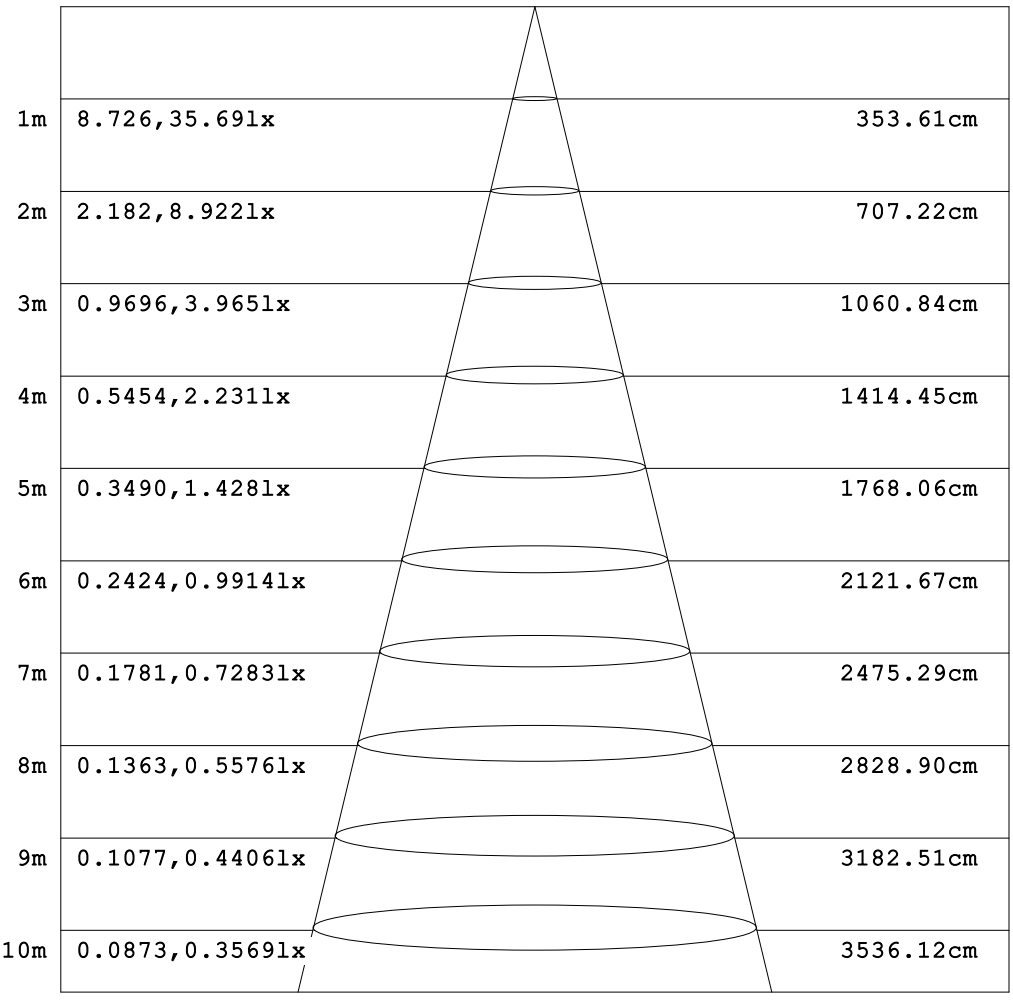
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

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:

AAI Figure

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

Flux out:89.22 lm



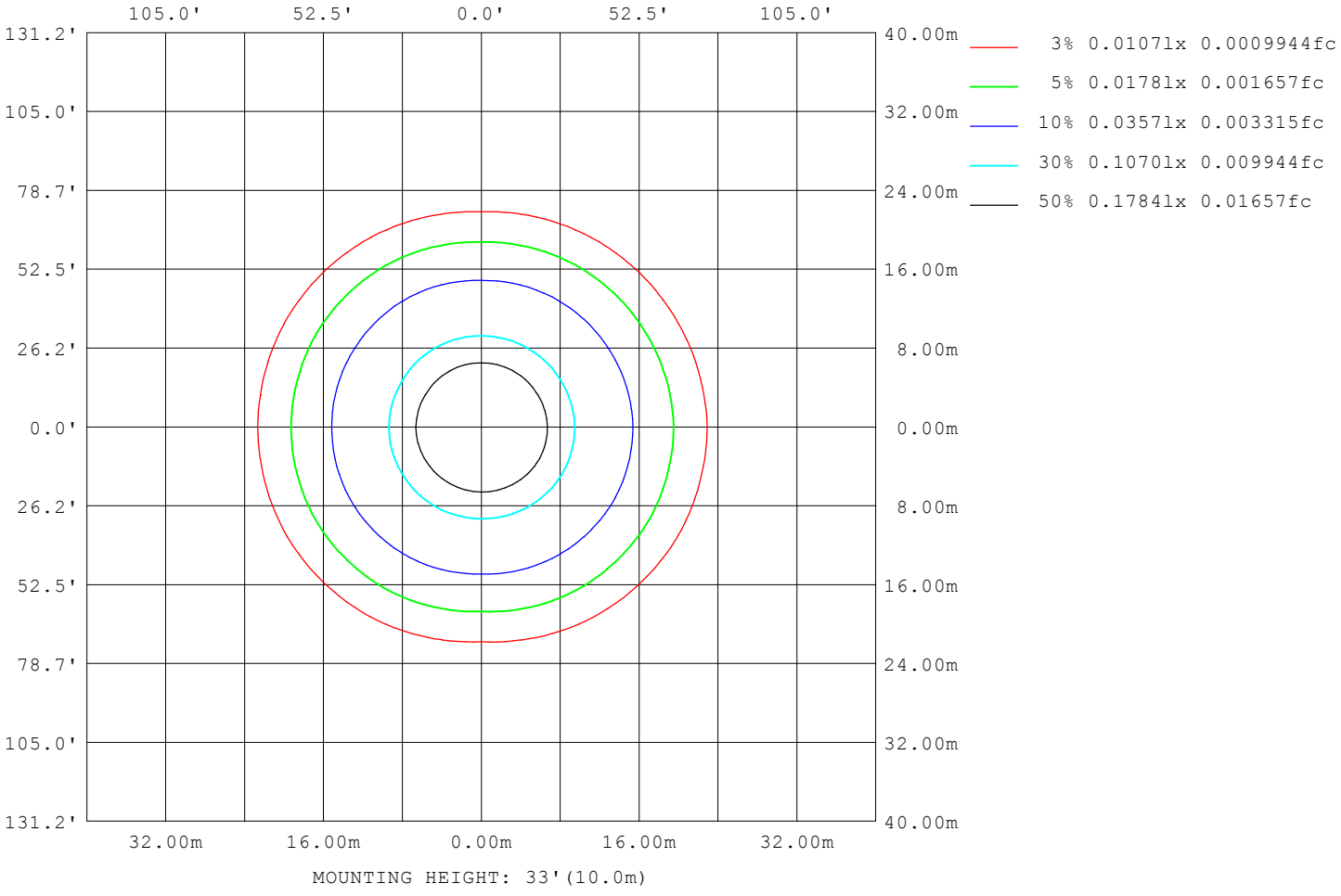
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-R	TYPE: 2835 R	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-R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.012	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

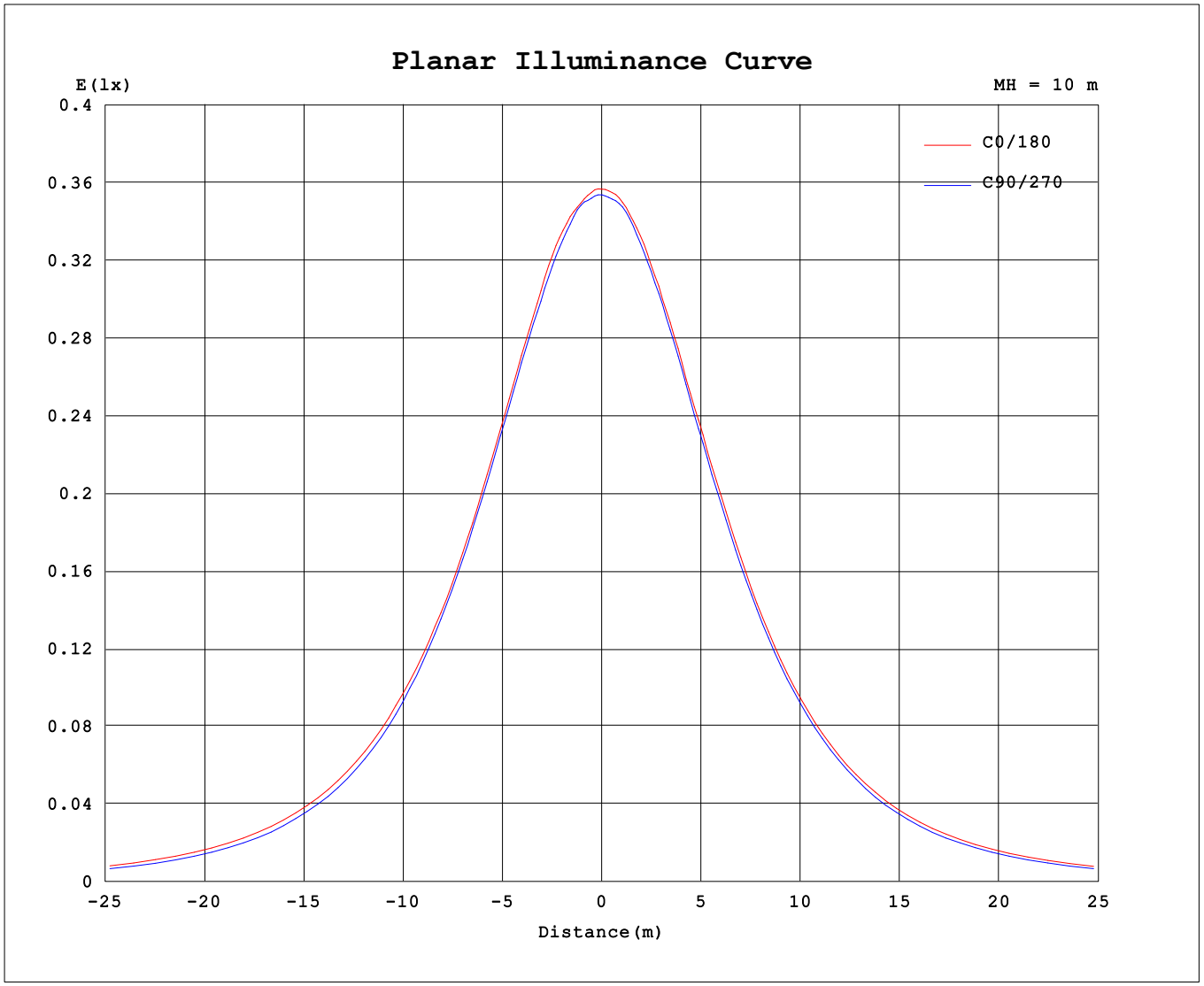
AvgL	cd/m2
L_0~180(65)av	404
L_0~180(75)av	429
L_0~180(85)av	561
L_90~270(65)av	355
L_90~270(75)av	309
L_90~270(85)av	152
L_45(65)av	392
L_45(75)av	394
L_45(85)av	463

Standard: GB/T 29293-2012

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:

Planar Illuminance Curve



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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HCP-3456250-R	TYPE: 2835 R	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	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4							
5	35.3	35.5	35.5	35.5	35.4	35.3	35.4	35.3	35.3	35.4	35.3	35.5							
10	35.3	35.3	35.2	35.1	35.1	35.0	35.0	35.0	35.0	35.0	35.1	35.1							
15	35.0	34.9	34.7	34.6	34.5	34.4	34.4	34.3	34.4	34.3	34.4	34.5							
20	34.1	34.2	34.1	33.9	33.8	33.8	33.6	33.5	33.6	33.5	33.7	33.8							
25	33.2	33.4	33.2	33.0	32.8	32.8	32.6	32.5	32.5	32.4	32.8	32.9							
30	32.1	32.3	32.0	31.8	31.6	31.7	31.6	31.4	31.3	31.2	31.4	31.7							
35	30.6	30.9	30.6	30.3	30.2	30.4	30.2	29.8	29.8	29.7	29.9	30.2							
40	29.1	29.1	28.8	28.5	28.7	28.7	28.5	28.2	28.3	28.0	28.3	28.6							
45	27.3	27.4	26.8	26.3	26.7	26.7	26.5	26.3	26.2	26.0	26.2	26.8							
50	25.1	25.3	24.6	23.9	24.6	24.7	24.4	24.3	24.2	23.7	24.2	24.6							
55	22.8	22.9	22.2	21.3	22.1	22.4	22.0	21.9	21.8	21.0	21.7	22.2							
60	20.2	20.2	19.6	18.2	19.3	19.7	19.5	19.4	19.1	18.1	19.1	19.6							
65	17.4	17.3	16.3	15.0	16.2	16.9	16.8	16.6	16.0	15.0	16.0	16.7							
70	14.4	14.2	13.0	11.4	12.8	13.9	14.0	13.7	12.9	11.7	12.7	13.7							
75	11.2	11.1	9.56	7.98	9.39	10.8	11.0	10.7	9.56	8.03	9.27	10.6							
80	7.97	7.79	6.25	4.55	6.13	7.65	7.97	7.61	6.23	4.20	6.00	7.37							
85	4.77	4.69	3.36	1.61	3.26	4.63	5.01	4.61	3.34	1.05	3.20	4.38							
90	2.32	2.30	1.52	0.03	1.41	2.34	2.60	2.33	1.46	0.00	1.47	2.16							
95	1.51	1.46	0.98	0.00	0.90	1.46	1.55	1.49	0.89	0.00	0.95	1.47							
100	1.46	1.33	0.75	0.00	0.70	1.42	1.51	1.41	0.68	0.00	0.67	1.36							
105	1.62	1.43	0.45	0.00	0.45	1.52	1.73	1.48	0.41	0.00	0.39	1.37							
110	1.79	1.32	0.12	0.00	0.12	1.43	1.79	1.43	0.09	0.00	0.11	1.27							
115	1.55	0.98	0.05	0.00	0.04	1.04	1.53	1.02	0.02	0.00	0.07	0.95							
120	1.03	0.39	0.02	0.00	0.01	0.47	0.98	0.43	0.00	0.00	0.01	0.41							
125	0.47	0.12	0.00	0.00	0.00	0.11	0.34	0.13	0.00	0.00	0.00	0.21							
130	0.24	0.06	0.00	0.00	0.00	0.04	0.08	0.06	0.01	0.00	0.00	0.17							
135	0.18	0.02	0.00	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.01	0.08							
140	0.05	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.01							
145	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.02	0.00	0.01	0.01							
150	0.01	0.01	0.00	0.02	0.00	0.01	0.02	0.01	0.02	0.00	0.01	0.01							
155	0.01	0.01	0.00	0.01	0.00	0.02	0.02	0.01	0.02	0.00	0.01	0.01							
160	0.01	0.01	0.00	0.02	0.00	0.02	0.02	0.01	0.02	0.01	0.02	0.01							
165	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.01							
170	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02							
175	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02							
180	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02							

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