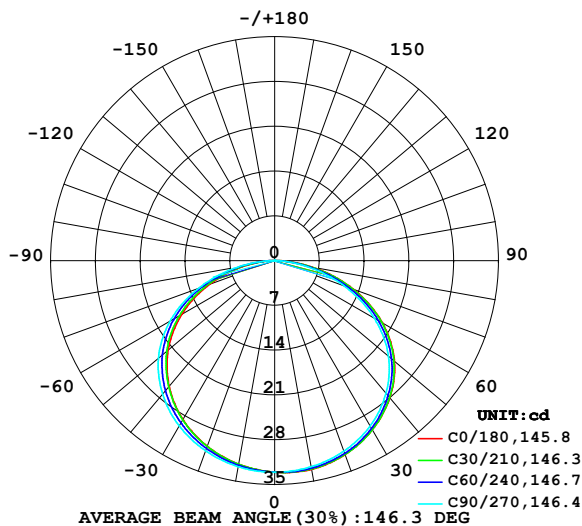


LUMINAIRE PHOTOMETRIC TEST REPORT

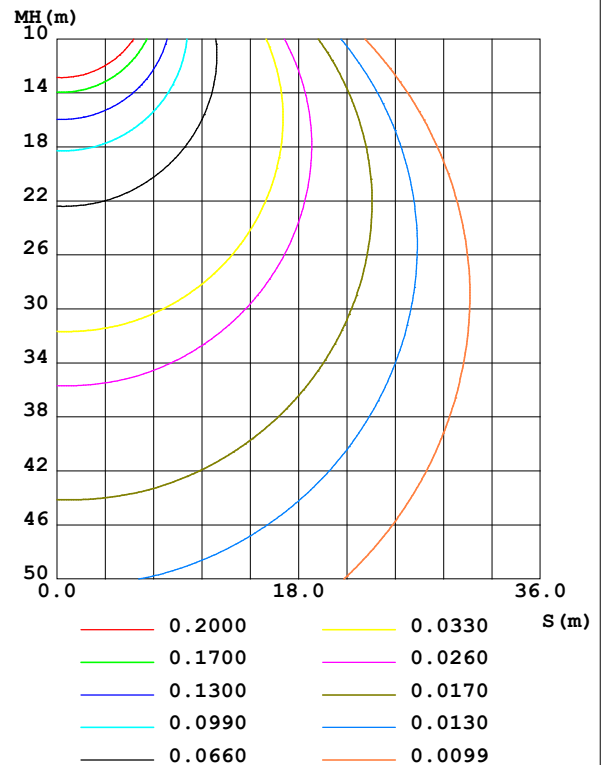
NAME: HCP-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 26.84 lm/W
MODEL	HCP-3426350	Imax (cd)	33.20	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	1.35	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	109.35	η UP,DN(C0-180)	0.0,49.9	
NOMINAL FLUX(lm)	109.352	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	24	η down (%)	100.0	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: MEDIUM
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	33.14	33.01	32.71	32.41	32.31	32.41	32.71	32.97	0- 10	3.139	3.139	2.87,2.87
20	32.25	32.14	31.68	31.08	30.87	31.07	31.61	32.06	10- 20	9.113	12.25	11.2,11.2
30	30.54	30.41	29.85	29.00	28.69	29.03	29.84	30.36	20- 30	14.19	26.44	24.2,24.2
40	27.99	27.76	27.08	26.05	25.66	26.15	27.24	27.83	30- 40	17.81	44.26	40.5,40.5
50	24.45	24.07	23.21	22.23	21.75	22.46	23.71	24.36	40- 50	19.48	63.74	58.3,58.3
60	19.46	19.04	17.99	17.18	16.74	17.66	18.85	19.52	50- 60	18.72	82.46	75.4,75.4
70	13.11	12.65	11.53	10.91	10.79	11.66	12.66	13.30	60- 70	15.14	97.60	89.3,89.3
80	5.976	5.537	4.729	4.337	4.531	5.126	5.796	6.260	70- 80	9.183	106.8	97.6,97.6
90	0.2874	0.1995	0.0029	0.1050	0.2222	0.2792	0	0.4210	80- 90	2.538	109.3	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0235	109.3	100,100
110	0	0	0	0	0	0	0	0	100-110	0	109.3	100,100
120	0	0	0	0	0	0	0	0	110-120	0	109.3	100,100
130	0	0	0.0029	0.0014	0	0	0	0	120-130	0.0000	109.3	100,100
140	0	0.0015	0.0058	0.0029	0.0087	0.0029	0	0.0015	130-140	0.0008	109.3	100,100
150	0	0.0044	0.0058	0.0044	0.0174	0.0072	0	0.0044	140-150	0.0023	109.3	100,100
160	0	0.0073	0.0058	0.0087	0.0147	0.0073	0	0.0073	150-160	0.0026	109.3	100,100
170	0.0058	0.0130	0.0175	0.0102	0.0204	0.0131	0	0.0073	160-170	0.0025	109.4	100,100
180	0.0175	0.0160	0.0175	0.0117	0.0233	0.0204	0.0088	0.0146	170-180	0.0012	109.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:82.46 %lum: 75.4%
0 - 60 DEG Zonal Flux:82.46 %lum: 75.4%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 13.3%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 19.5%

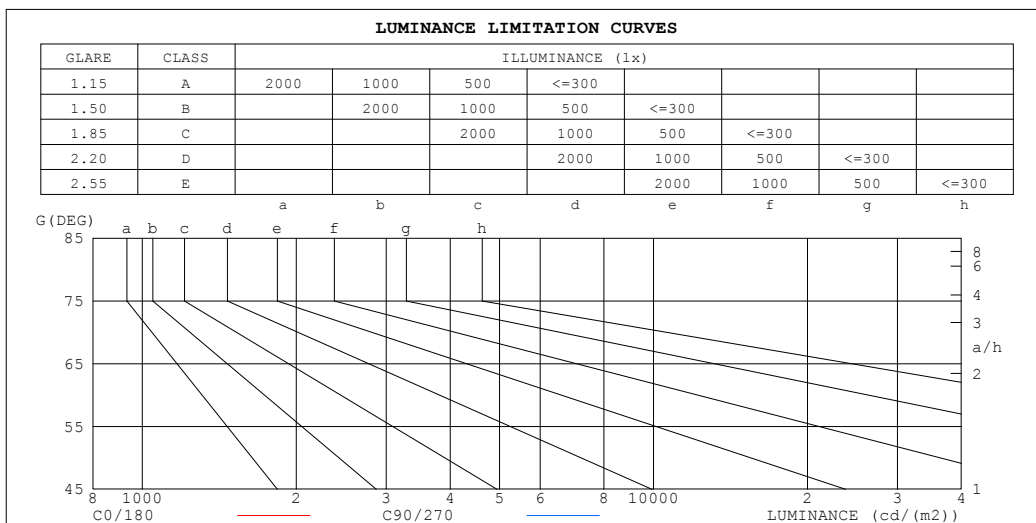
C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 30.0DEG	γ Interval: 1.0DEG
Test Speed: MEDIUM	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Temperature:25.3DEG	Humidity:65.0%
Operators:JING	Test Distance:6.070m [K=1.0000]
Test Date:2022-05-23	Remarks:

IES Flood Report

Photometric Filename: HCP-3426350 12W R.IES

LUMINANCE LIMITATION CURVES

NAME: HCP-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	284	182
80	345	272
75	371	313
70	384	337
65	389	351
60	390	359
55	387	362
50	381	361
45	373	357

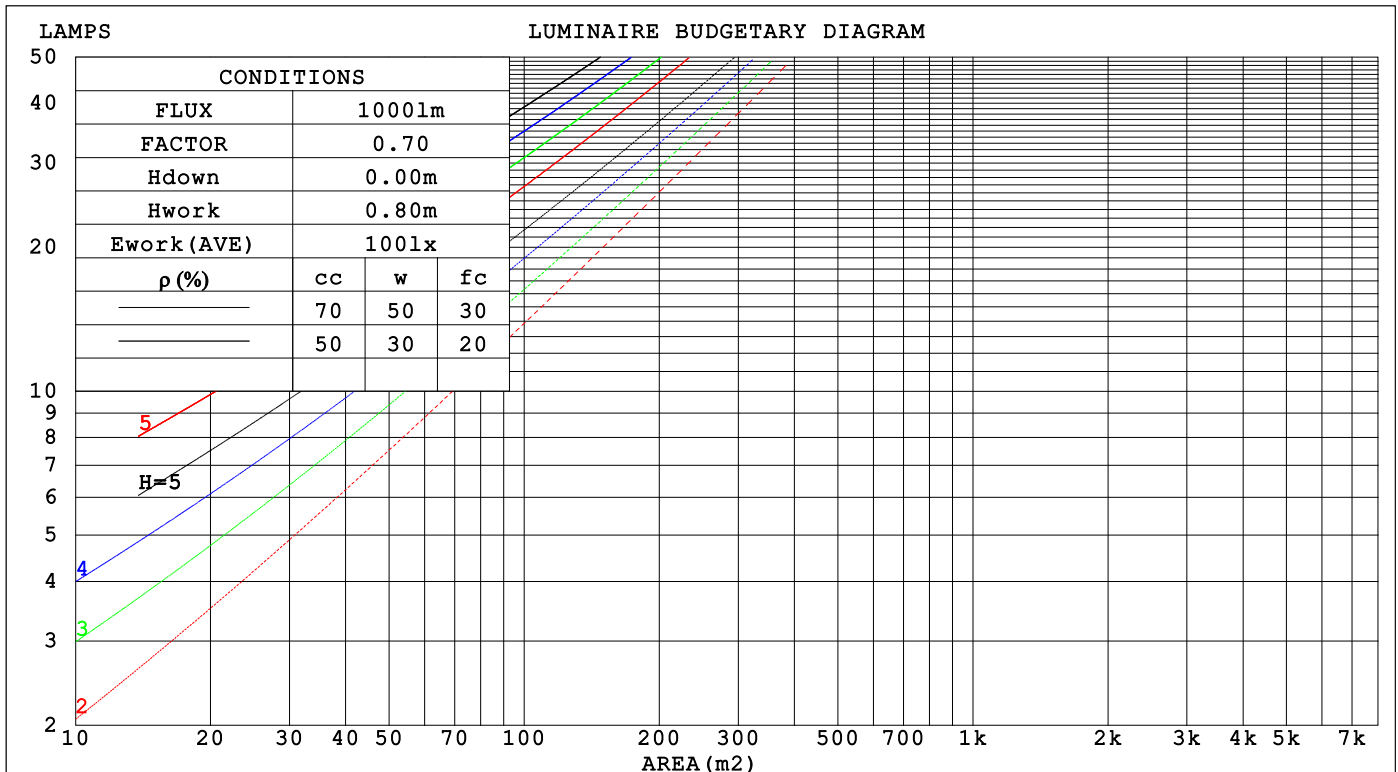
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

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-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	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	1.19	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	1.03	.98	.94	1.01	.96	.93	.96	.93	.90	.92	.90	.87	.89	.86	.84	.82
2.0	.89	.82	.76	.87	.80	.75	.83	.78	.73	.80	.75	.71	.77	.73	.70	.67
3.0	.77	.69	.62	.76	.68	.61	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56
4.0	.68	.59	.52	.67	.58	.52	.64	.57	.51	.62	.55	.50	.60	.54	.49	.47
5.0	.61	.51	.44	.59	.51	.44	.57	.50	.44	.55	.48	.43	.53	.47	.43	.40
6.0	.54	.45	.38	.53	.45	.38	.52	.44	.38	.50	.43	.37	.48	.42	.37	.35
7.0	.49	.40	.34	.48	.40	.34	.47	.39	.33	.45	.38	.33	.44	.38	.33	.31
8.0	.45	.36	.30	.44	.36	.30	.43	.35	.30	.41	.34	.29	.40	.34	.29	.27
9.0	.41	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.31	.26	.24
10.0	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
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-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	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	.328	.186	.059	.321	.183	.058	.307	.176	.056	.295	.170	.055	.284	.164	.053															
2.0	.306	.168	.052	.300	.165	.051	.288	.160	.050	.277	.156	.049	.267	.151	.048															
3.0	.282	.150	.045	.276	.148	.045	.266	.144	.044	.256	.140	.043	.247	.137	.042															
4.0	.259	.135	.040	.254	.133	.039	.245	.130	.039	.236	.127	.038	.228	.124	.038															
5.0	.238	.122	.035	.234	.120	.035	.226	.118	.035	.218	.115	.034	.211	.113	.034															
6.0	.220	.110	.032	.217	.109	.031	.209	.107	.031	.202	.105	.031	.196	.103	.031															
7.0	.205	.101	.029	.201	.100	.029	.194	.098	.028	.188	.097	.028	.182	.095	.028															
8.0	.191	.093	.026	.187	.092	.026	.182	.091	.026	.176	.089	.026	.171	.088	.026															
9.0	.178	.086	.024	.175	.085	.024	.170	.084	.024	.165	.083	.024	.160	.081	.024															
10.0	.167	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.151	.076	.022															

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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.182	.156	.133	.156	.134	.115	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.174	.132	.096	.149	.114	.083	.102	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.167	.115	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.160	.101	.057	.137	.088	.050	.094	.061	.035	.054	.036	.021	.018	.012	.007	
5.0	.152	.091	.046	.131	.079	.040	.090	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.145	.083	.038	.124	.072	.033	.086	.050	.024	.050	.030	.014	.016	.010	.005	
7.0	.138	.076	.033	.119	.066	.028	.082	.046	.020	.048	.027	.012	.015	.009	.004	
8.0	.131	.070	.028	.113	.061	.025	.078	.043	.018	.045	.025	.010	.015	.008	.003	
9.0	.125	.065	.025	.108	.057	.022	.075	.040	.015	.043	.024	.009	.014	.008	.003	
10.0	.119	.061	.022	.103	.053	.019	.071	.037	.014	.042	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
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-3426350 12W R					TYPE: 2835 R					WEIGHT:				
SPEC.:					DIM.: 1*0.01					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					17.6	19.2	17.9	19.4	19.6	17.3	18.9	17.6	19.1	19.3
3H					19.4	20.9	19.7	21.1	21.4	19.0	20.4	19.3	20.7	20.9
4H					20.2	21.6	20.5	21.8	22.1	19.6	21.0	19.9	21.3	21.5
6H					20.7	22.0	21.1	22.3	22.6	20.1	21.4	20.4	21.6	21.9
8H					20.9	22.2	21.3	22.5	22.8	20.2	21.4	20.5	21.7	22.0
12H					21.0	22.2	21.4	22.5	22.8	20.2	21.4	20.6	21.7	22.1
4H 2H					18.3	19.7	18.6	19.9	20.2	18.1	19.5	18.4	19.7	20.0
3H					20.3	21.5	20.6	21.8	22.1	19.9	21.1	20.3	21.4	21.7
4H					21.2	22.3	21.5	22.6	22.9	20.7	21.8	21.1	22.1	22.5
6H					21.9	22.8	22.3	23.2	23.6	21.2	22.2	21.6	22.6	23.0
8H					22.1	23.0	22.5	23.4	23.8	21.4	22.3	21.8	22.7	23.1
12H					22.2	23.1	22.7	23.5	23.9	21.5	22.3	21.9	22.7	23.1
8H 4H					21.5	22.4	21.9	22.8	23.1	21.0	22.0	21.4	22.3	22.7
6H					22.3	23.1	22.8	23.5	23.9	21.7	22.5	22.2	22.9	23.4
8H					22.6	23.3	23.1	23.8	24.2	22.0	22.7	22.5	23.1	23.6
12H					22.9	23.5	23.4	23.9	24.4	22.1	22.7	22.6	23.2	23.7
12H 4H					21.5	22.3	21.9	22.7	23.1	21.1	21.9	21.5	22.3	22.7
6H					22.4	23.1	22.8	23.5	23.9	21.8	22.5	22.3	22.9	23.4
8H					22.7	23.3	23.2	23.8	24.3	22.1	22.7	22.6	23.2	23.6
Variations with the observer position at spacings(CIE Pub.117):														
S = 1.0H					+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H					+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H					+ 0.1 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 109.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.7)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
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-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	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) $k(RI) \times RCR = 5$									
$k = 0.60$	55	43	36	54	43	36	53	42	36	29
0.80	65	53	45	64	53	45	62	52	45	38
1.00	74	62	54	72	61	54	70	63	54	46
1.25	81	70	62	79	69	62	77	68	61	54
1.50	86	76	68	84	75	68	81	73	67	59
2.00	93	84	77	91	83	77	88	81	75	67
2.50	98	89	83	95	88	82	91	85	80	72
3.00	101	94	88	99	92	87	95	89	85	76
4.00	105	99	94	103	97	93	99	94	90	81
5.00	108	103	98	105	101	97	101	97	94	84
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: MEDIUM
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

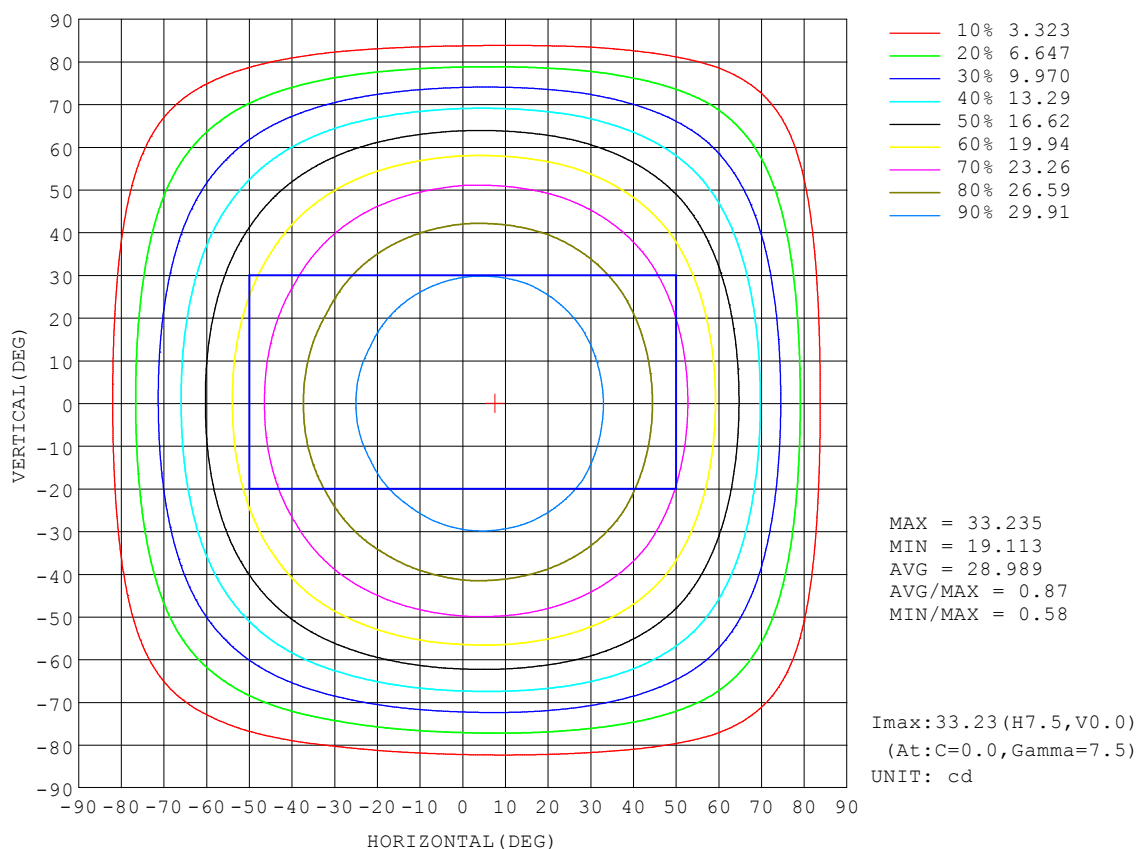
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity: 65.0%
Test Distance: 6.070m [K=1.0000]
Remarks:

IES Flood Report

Photometric Filename: HCP-3426350 12W R.IES

ISOCANDELA DIAGRAM

NAME: HCP-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

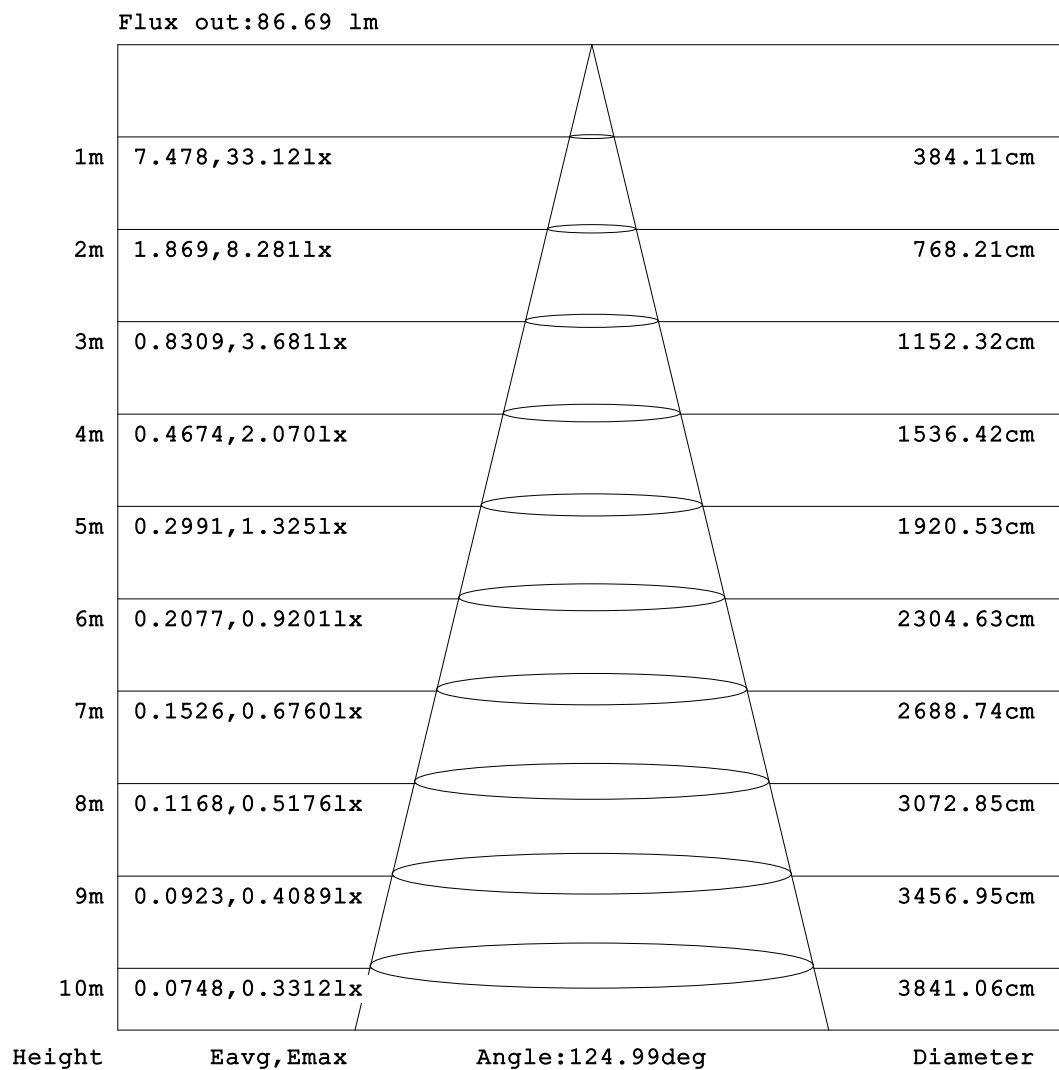


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: JING
Test Date: 2022-05-23

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-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	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: MEDIUM
Temperature:25.3DEG
Operators:JING
Test Date:2022-05-23

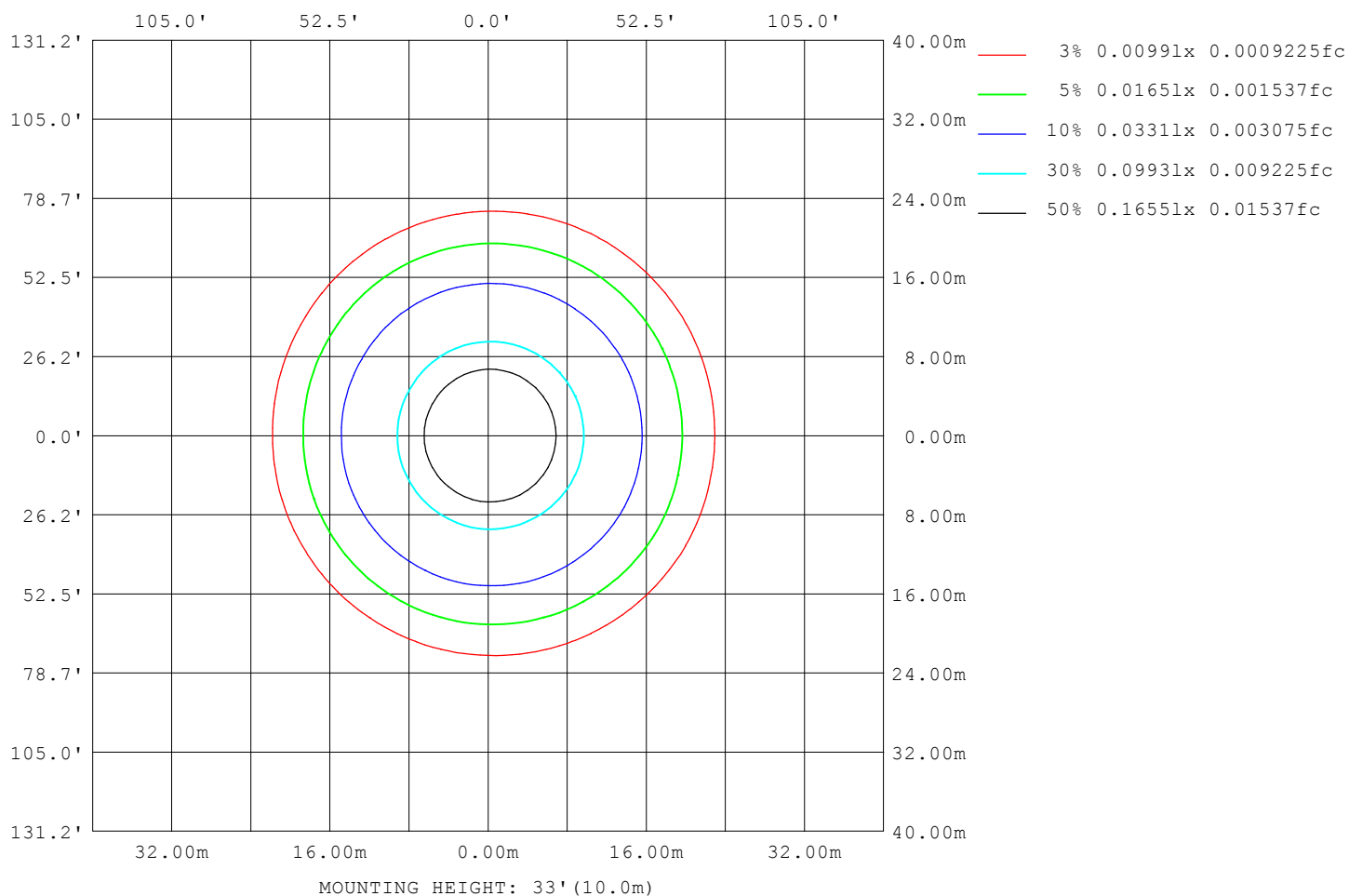
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

IES Flood Report

Photometric Filename: HCP-3426350 12W R.IES

ISOLUX DIAGRAM

NAME: HCP-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: MEDIUM
 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-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

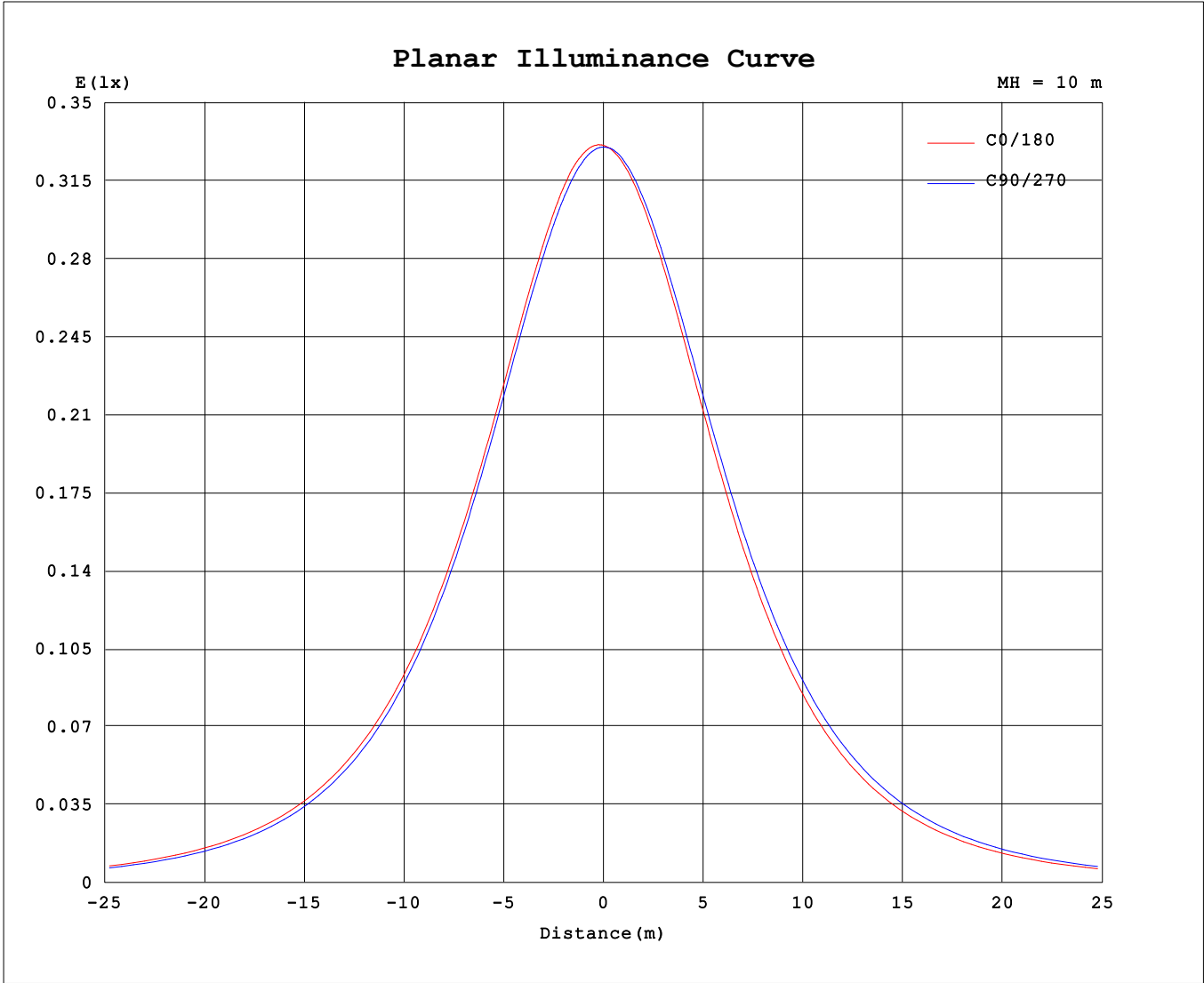
AvgL	cd/m2
L_0~180 (65) av	358
L_0~180 (75) av	333
L_0~180 (85) av	243
L_90~270 (65) av	364
L_90~270 (75) av	336
L_90~270 (85) av	232
L_45 (65) av	364
L_45 (75) av	339
L_45 (85) av	247

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: MEDIUM
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: MEDIUM
 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-3426350 12W R	TYPE: 2835 R	WEIGHT:
SPEC.:	DIM.: 1*0.01	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	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1							
5	33.2	33.2	33.1	33.0	32.8	32.8	32.8	32.8	32.9	33.0	33.0	33.2							
10	33.1	33.1	32.9	32.7	32.5	32.3	32.3	32.3	32.5	32.7	32.9	33.1							
15	32.8	32.7	32.6	32.3	31.9	31.7	31.7	31.7	31.9	32.2	32.5	32.7							
20	32.3	32.2	32.1	31.7	31.2	30.9	30.9	30.9	31.2	31.6	31.9	32.2							
25	31.5	31.5	31.3	30.9	30.3	30.0	29.9	29.9	30.4	30.8	31.2	31.4							
30	30.5	30.5	30.3	29.9	29.2	28.8	28.7	28.8	29.3	29.8	30.2	30.5							
35	29.4	29.4	29.1	28.6	27.9	27.4	27.3	27.4	28.0	28.7	29.1	29.3							
40	28.0	27.9	27.6	27.1	26.3	25.8	25.7	25.8	26.5	27.2	27.7	28.0							
45	26.4	26.3	25.9	25.3	24.5	24.0	23.8	24.0	24.8	25.6	26.1	26.4							
50	24.5	24.3	23.8	23.2	22.5	22.0	21.8	22.0	22.9	23.7	24.2	24.5							
55	22.2	22.0	21.5	20.8	20.1	19.7	19.4	19.8	20.7	21.5	22.0	22.3							
60	19.5	19.4	18.7	18.0	17.4	17.0	16.7	17.2	18.1	18.8	19.4	19.6							
65	16.4	16.3	15.6	14.9	14.3	14.0	13.9	14.3	15.2	15.9	16.5	16.6							
70	13.1	13.0	12.3	11.5	11.0	10.8	10.8	11.2	12.1	12.7	13.2	13.4							
75	9.60	9.45	8.83	8.12	7.68	7.55	7.64	8.05	8.77	9.29	9.78	9.91							
80	5.98	5.83	5.25	4.73	4.35	4.33	4.53	4.85	5.40	5.80	6.21	6.31							
85	2.47	2.37	1.94	1.59	1.40	1.51	1.76	1.94	2.28	2.46	2.87	2.85							
90	0.29	0.26	0.14	0.00	0.07	0.14	0.22	0.25	0.30	0.00	0.39	0.45							
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00							
140	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00							
145	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00							
150	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.00	0.01	0.00	0.01	0.00							
155	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00							
160	0.00	0.01	0.00	0.01	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.00							
165	0.00	0.02	0.00	0.02	0.00	0.02	0.02	0.00	0.02	0.00	0.01	0.00							
170	0.01	0.02	0.01	0.02	0.00	0.02	0.02	0.01	0.02	0.00	0.01	0.00							
175	0.01	0.02	0.01	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01							
180	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01							

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