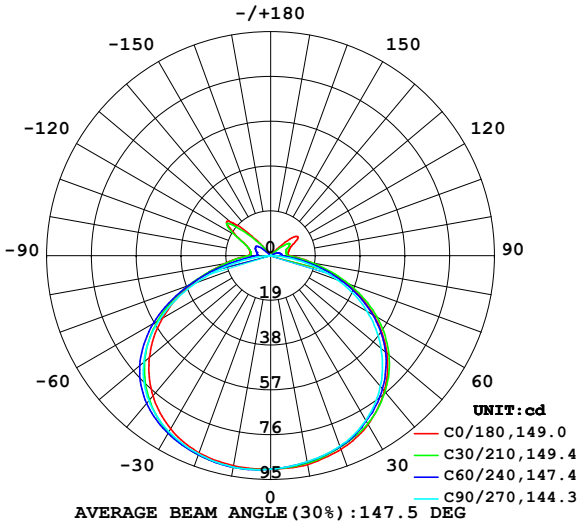
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HCP-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

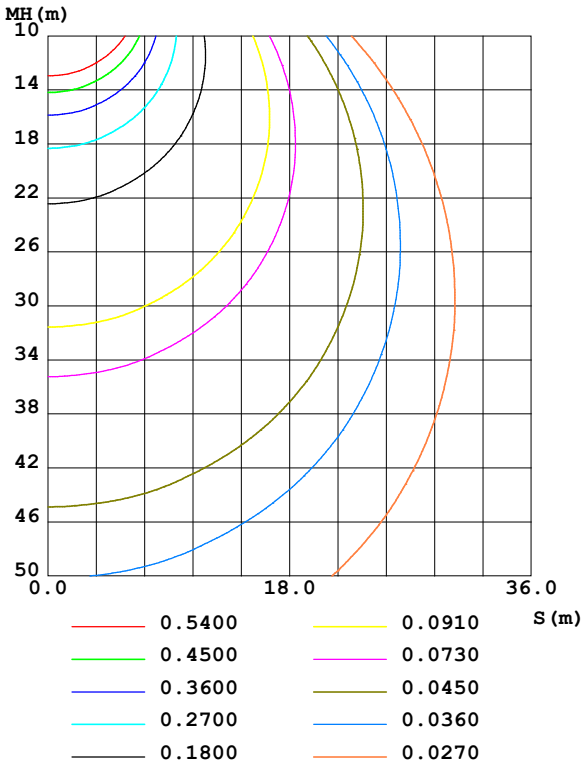
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 83.51 lm/W	
MODEL	HCP-3466350	Imax(cd)	91.26	S/MH(C0/180)	1.40
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.42
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	346.52	η UP,DN(C0-180)	3.8,44.4
NOMINAL FLUX(lm)	346.516	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.7,47.1
LAMPS INSIDE	1	η up(%)	8.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	91.5	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(30%):147.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

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	90.02	89.13	88.81	89.34	90.45	91.16	91.11	90.72	0- 10	8.625	8.625	2.49,2.49
20	87.38	86.37	85.97	87.15	88.98	89.90	89.52	88.94	10- 20	25.25	33.88	9.78,9.78
30	82.75	81.73	80.71	83.20	84.86	86.85	86.34	85.31	20- 30	39.87	73.75	21.3,21.3
40	75.05	74.68	72.42	76.53	77.66	80.92	80.42	79.22	30- 40	50.78	124.5	35.9,35.9
50	64.32	64.62	61.13	66.51	67.20	71.20	70.27	70.06	40- 50	56.14	180.7	52.1,52.1
60	50.54	51.05	47.25	52.66	52.89	56.40	54.46	56.07	50- 60	54.22	234.9	67.8,67.8
70	34.15	34.14	30.19	35.33	35.84	36.95	33.56	37.38	60- 70	43.94	278.8	80.5,80.5
80	17.90	16.57	11.81	17.24	19.82	17.74	11.63	17.44	70- 80	26.99	305.8	88.3,88.3
90	8.163	6.113	0.4642	6.974	9.809	7.854	0.0332	6.517	80- 90	11.28	317.1	91.5,91.5
100	7.628	5.565	0.0351	6.515	8.854	7.231	0.0117	5.776	90-100	6.120	323.2	93.3,93.3
110	8.599	5.329	0.0584	7.076	10.27	8.469	0.0205	5.103	100-110	6.030	329.3	95,95
120	12.50	5.051	0.0759	8.812	16.82	12.55	0.0409	4.027	110-120	6.509	335.8	96.9,96.9
130	11.91	2.515	0.0964	7.360	22.51	11.72	0.0643	2.500	120-130	7.169	342.9	99,99
140	0.8028	0.1149	0.1139	2.535	5.316	2.285	0.0759	0.1491	130-140	3.000	345.9	99.8,99.8
150	0.1193	0.1165	0.1256	0.5326	1.084	0.5538	0.1081	0.1180	140-150	0.4205	346.4	100,100
160	0.1222	0.1194	0.1314	0.1849	0.1397	0.1836	0.1168	0.1223	150-160	0.1086	346.5	100,100
170	0.1222	0.1209	0.1314	0.1427	0.1397	0.1427	0.1168	0.1238	160-170	0.0386	346.5	100,100
180	0.1251	0.1267	0.1314	0.1413	0.1397	0.1427	0.1314	0.1281	170-180	0.0125	346.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

0 - 60 DEG Zonal Flux:234.89 %lum: 67.8%
0 - 60 DEG Zonal Flux:234.89 %lum: 67.8%
All measured values may vary less than 35 %
from the average measured value in the 0 to 130 deg. zone: 13.7%
All measured values in the 0 to 130 deg. zone
may vary less than 50% from the average value of itself: 21.1%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

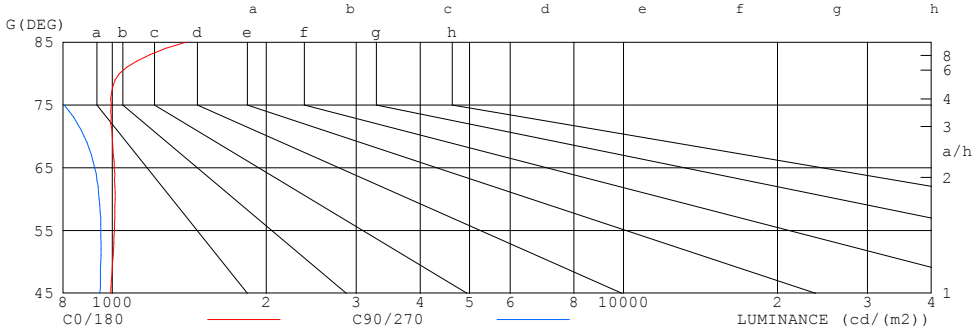
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.454
Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: HCP-3466350 G	**TYPE: 2835 G**	**WEIGHT:**
SPEC.:	**DIM.: 1* 0.01**	**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	1392	493
80	1032	678
75	995	805
70	999	880
65	1009	923
60	1012	943
55	1009	949
50	1002	949
45	992	946

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

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:

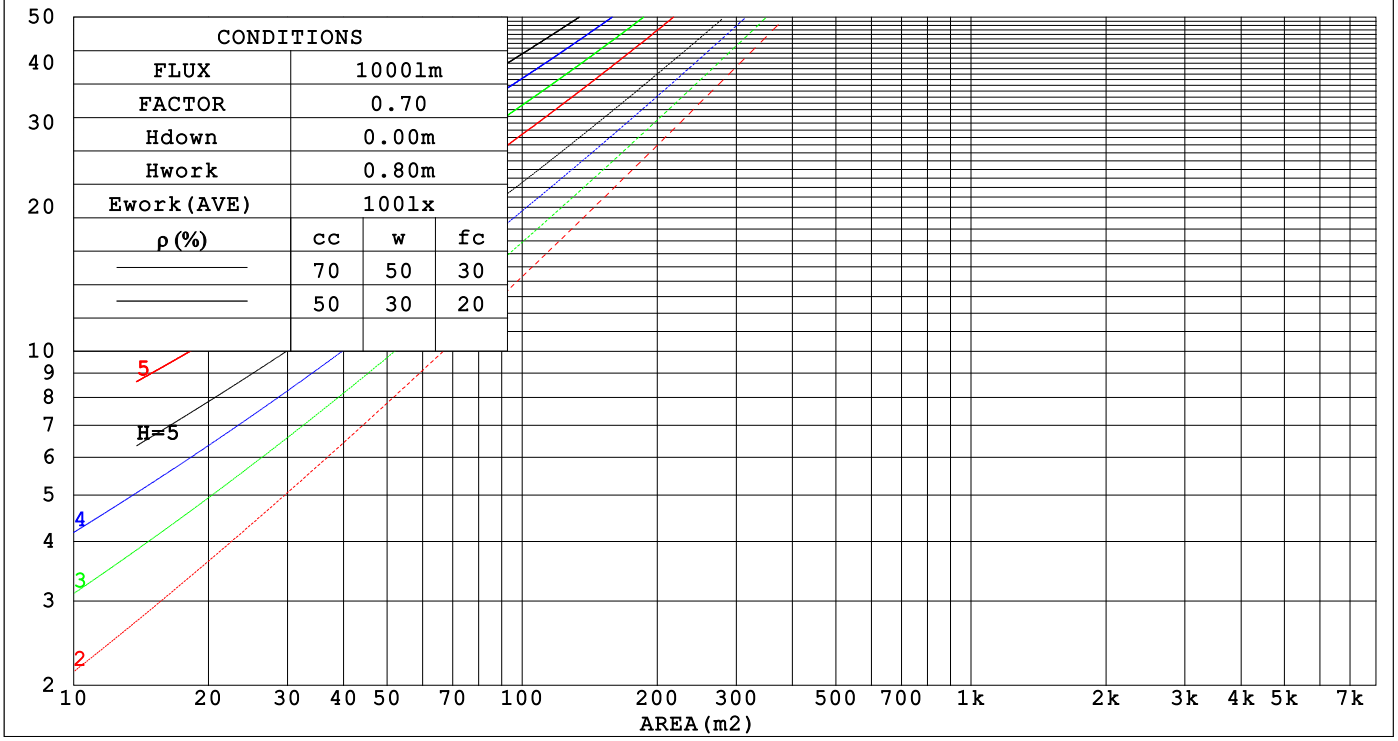
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HCP-3466350 G	TYPE: 2835 G	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	1.17	1.17	1.17	1.13	1.13	1.13	1.06	1.06	1.06	1.00	1.00	1.00	.94	.94	.94	.92
1.0	1.01	.96	.92	.97	.93	.89	.92	.88	.85	.86	.83	.81	.81	.79	.77	.74
2.0	.87	.79	.73	.84	.77	.72	.79	.74	.69	.75	.70	.66	.70	.67	.63	.61
3.0	.76	.67	.60	.73	.65	.59	.69	.62	.57	.65	.60	.55	.62	.57	.53	.50
4.0	.66	.57	.50	.65	.56	.49	.61	.54	.48	.58	.51	.46	.54	.49	.45	.42
5.0	.59	.50	.43	.57	.49	.42	.54	.47	.41	.51	.45	.40	.49	.43	.39	.36
6.0	.53	.44	.37	.51	.43	.36	.49	.41	.35	.46	.40	.35	.44	.38	.34	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.30	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.36	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.36	.28	.23	.36	.28	.23	.34	.27	.22	.32	.26	.22	.31	.25	.21	.19

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

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-3466350 G	TYPE: 2835 G	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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.335	.190	.060	.325	.185	.059	.307	.176	.056	.290	.167	.054	.275	.159	.051	
2.0	.308	.169	.052	.299	.165	.051	.283	.157	.049	.268	.150	.047	.254	.143	.045	
3.0	.281	.150	.045	.274	.146	.044	.259	.140	.043	.245	.134	.041	.233	.129	.040	
4.0	.258	.134	.039	.251	.131	.039	.237	.126	.038	.225	.121	.036	.214	.116	.035	
5.0	.237	.121	.035	.231	.118	.034	.219	.114	.034	.208	.110	.033	.197	.105	.032	
6.0	.219	.110	.031	.213	.108	.031	.202	.104	.030	.192	.100	.029	.183	.096	.029	
7.0	.203	.100	.028	.198	.098	.028	.188	.095	.027	.179	.092	.027	.170	.088	.026	
8.0	.189	.092	.026	.184	.091	.026	.175	.088	.025	.167	.085	.024	.159	.082	.024	
9.0	.177	.085	.024	.172	.084	.024	.164	.081	.023	.157	.078	.022	.149	.076	.022	
10.0	.166	.079	.022	.162	.078	.022	.154	.076	.021	.147	.073	.021	.141	.071	.020	

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	.255	.255	.255	.218	.218	.218	.149	.149	.149	.085	.085	.085	.027	.027	.027	
1.0	.247	.221	.198	.212	.190	.170	.145	.131	.118	.083	.076	.068	.027	.024	.022	
2.0	.240	.197	.162	.206	.170	.140	.141	.118	.098	.081	.068	.057	.026	.022	.019	
3.0	.233	.180	.139	.199	.156	.120	.137	.108	.084	.079	.063	.050	.025	.020	.016	
4.0	.225	.167	.123	.193	.145	.107	.133	.101	.075	.077	.059	.045	.025	.019	.015	
5.0	.218	.157	.113	.187	.136	.098	.129	.095	.069	.075	.056	.041	.024	.018	.014	
6.0	.211	.149	.105	.181	.129	.092	.125	.090	.065	.072	.053	.038	.023	.017	.013	
7.0	.204	.142	.100	.175	.124	.087	.121	.087	.061	.070	.051	.037	.023	.017	.012	
8.0	.197	.137	.095	.170	.119	.083	.117	.083	.059	.068	.049	.035	.022	.016	.012	
9.0	.191	.132	.092	.165	.115	.080	.114	.081	.057	.066	.048	.034	.022	.016	.011	
10.0	.185	.128	.089	.160	.111	.078	.111	.078	.055	.065	.046	.033	.021	.015	.011	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

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-3466350 G	TYPE: 2835 G	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	16.3	17.7	16.6	18.1	18.4	15.9	17.4	16.3	17.7	18.1
3H	18.0	19.4	18.4	19.7	20.2	17.5	18.9	18.0	19.3	19.7
4H	18.8	20.0	19.2	20.4	20.9	18.2	19.4	18.6	19.8	20.3
6H	19.4	20.6	19.9	21.0	21.5	18.6	19.8	19.0	20.2	20.6
8H	19.7	20.9	20.2	21.3	21.8	18.7	19.8	19.1	20.2	20.7
12H	20.0	21.1	20.5	21.6	22.1	18.7	19.8	19.2	20.3	20.7
4H 2H	16.9	18.2	17.3	18.6	19.0	16.7	17.9	17.1	18.3	18.8
3H	18.9	20.0	19.3	20.4	20.9	18.4	19.6	18.9	20.0	20.5
4H	19.8	20.8	20.3	21.2	21.8	19.2	20.2	19.7	20.7	21.2
6H	20.5	21.4	21.1	21.9	22.5	19.7	20.6	20.2	21.1	21.7
8H	20.9	21.8	21.5	22.3	22.8	19.9	20.7	20.4	21.2	21.8
12H	21.3	22.1	21.9	22.6	23.2	20.0	20.7	20.5	21.3	21.8
8H 4H	20.0	20.9	20.6	21.4	22.0	19.6	20.4	20.1	20.9	21.5
6H	21.0	21.7	21.6	22.3	22.9	20.3	21.0	20.8	21.5	22.1
8H	21.5	22.2	22.1	22.7	23.4	20.5	21.1	21.1	21.7	22.3
12H	22.1	22.6	22.7	23.2	23.9	20.7	21.2	21.3	21.8	22.5
12H 4H	20.1	20.8	20.6	21.4	21.9	19.6	20.4	20.2	20.9	21.5
6H	21.1	21.7	21.7	22.3	22.9	20.4	21.0	21.0	21.6	22.2
8H	21.7	22.2	22.3	22.8	23.5	20.7	21.2	21.3	21.8	22.5
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	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 346.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.7)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

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-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

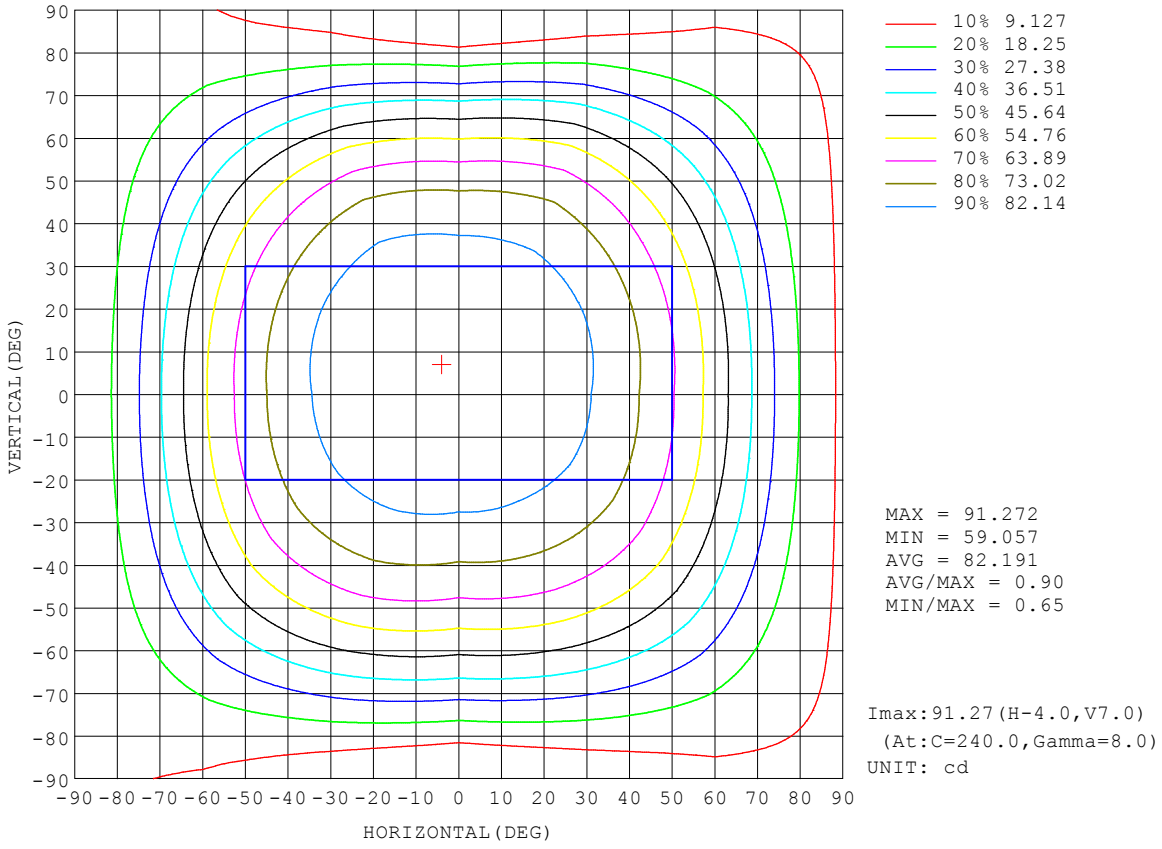
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	52	40	33	51	40	33	50	39	32	26
0.80	62	50	42	61	49	42	58	48	41	33
1.00	70	58	51	69	58	50	66	58	49	41
1.25	78	66	58	76	65	58	72	63	56	48
1.50	83	72	64	81	71	63	77	68	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	86	79	92	84	77	87	80	75	64
3.00	98	90	84	95	88	82	90	84	79	68
4.00	102	96	90	99	93	88	94	89	85	73
5.00	105	99	95	102	97	92	96	92	88	76
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:2022-05-16

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-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



MAX = 91.272
MIN = 59.057
AVG = 82.191
AVG/MAX = 0.90
MIN/MAX = 0.65

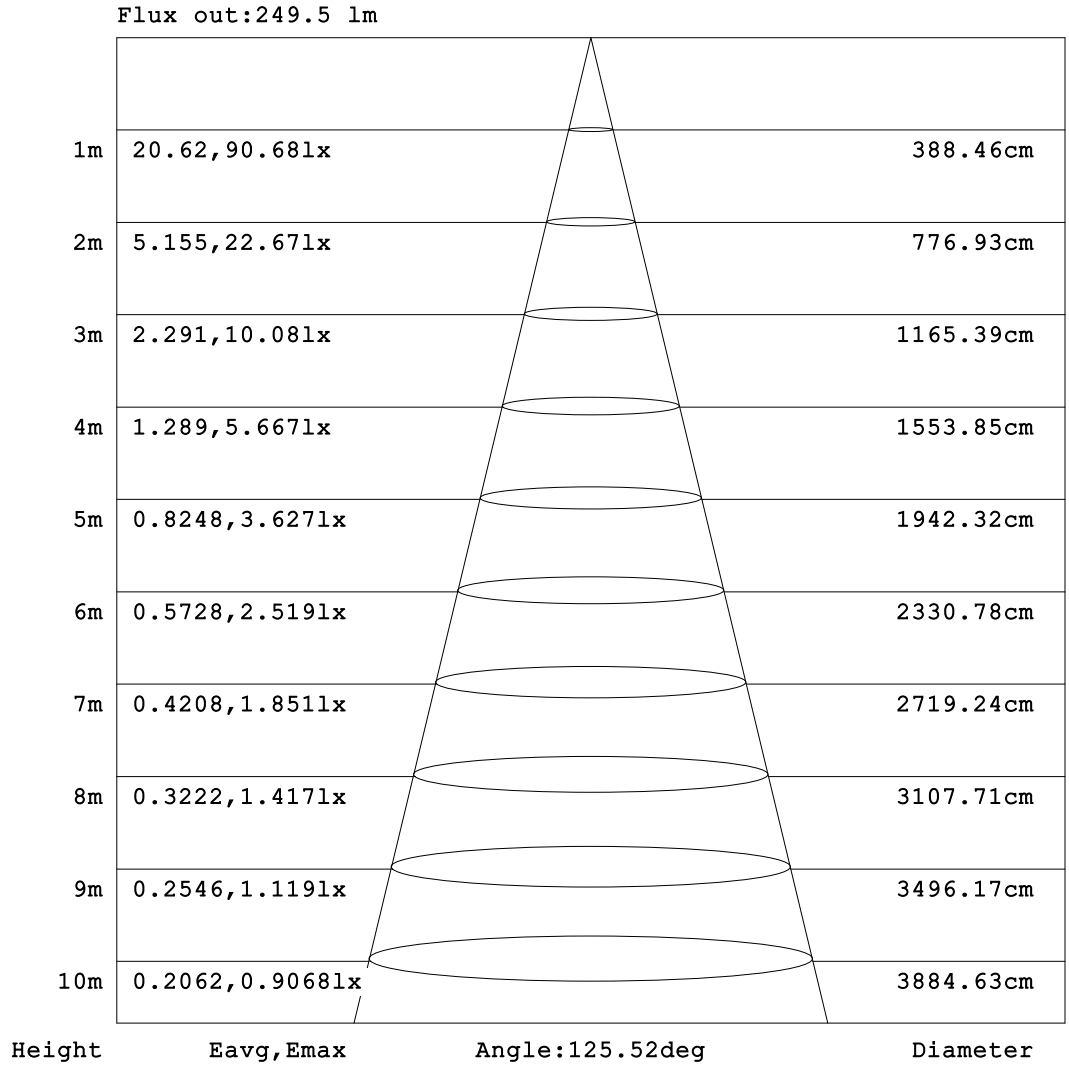
Imax:91.27(H-4.0,V7.0)
(At:C=240.0,Gamma=8.0)
UNIT: cd

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

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-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:



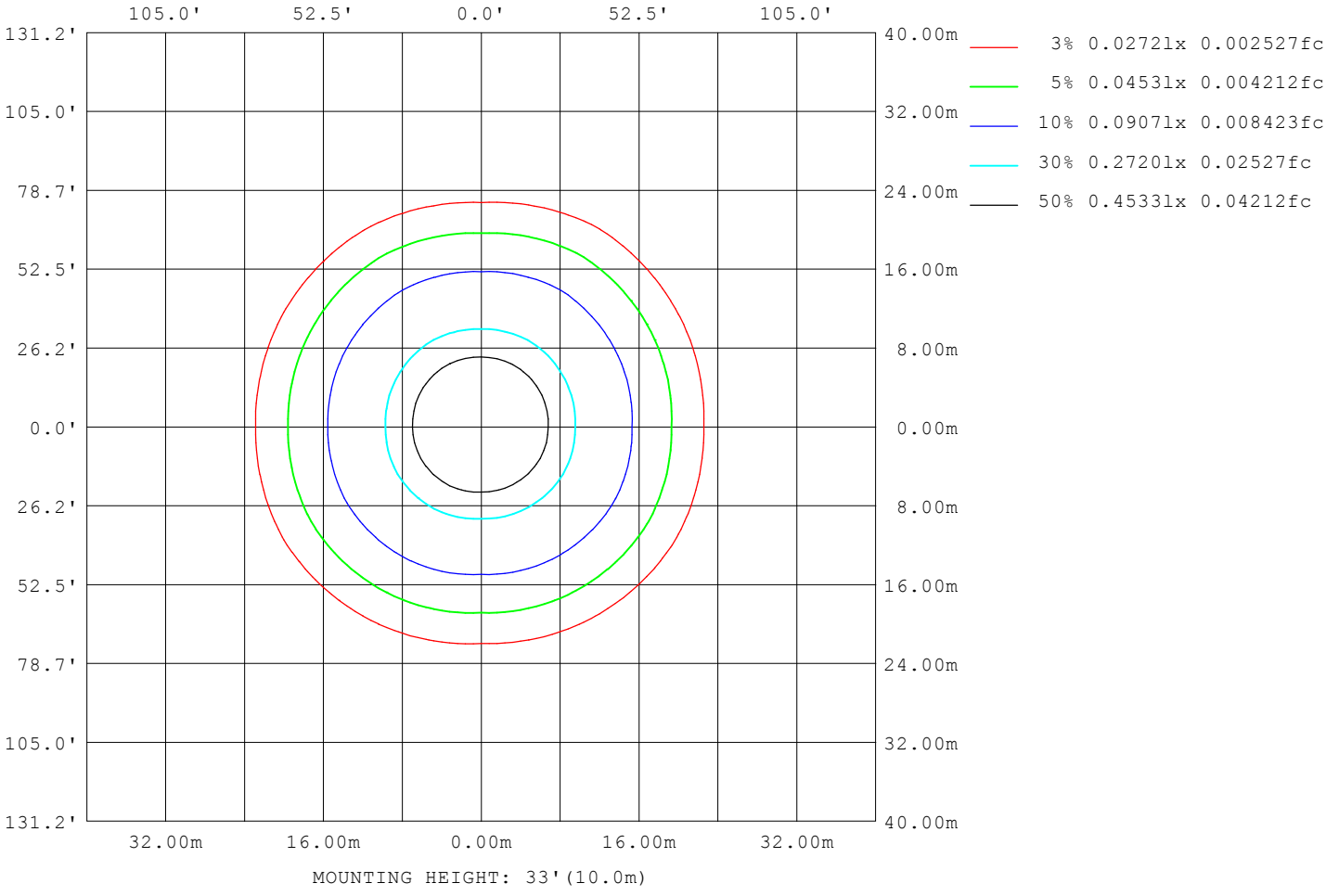
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:zhuo
Test Date:2022-05-16

γ Range: 0 - 180DEG
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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-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	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:2022-05-16

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-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	SERIAL No.:
MFR.: HAVIT COMMERCIAL	SUR.:	Shielding Angle:

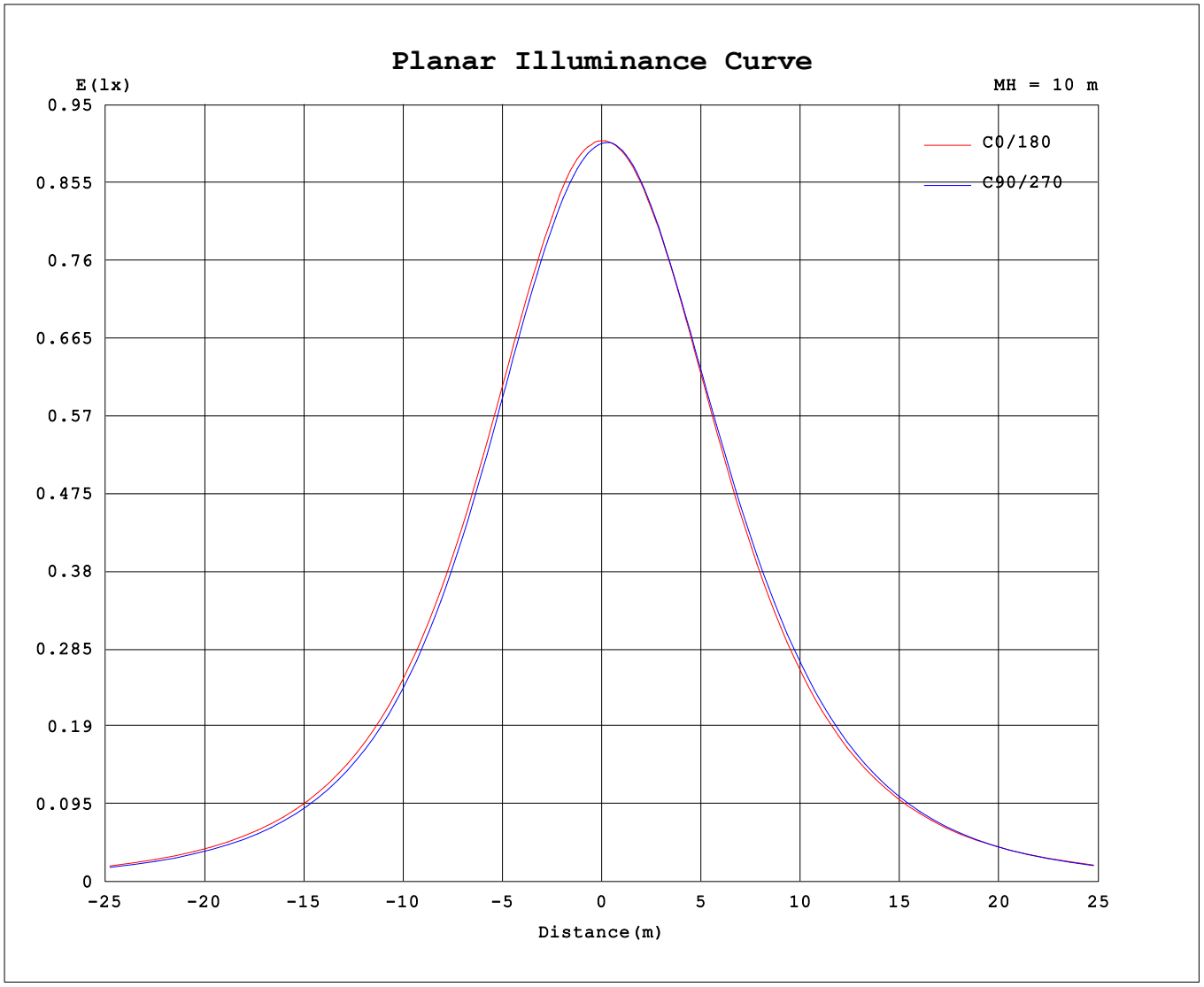
AvgL	cd/m2
L_0~180(65)av	1032
L_0~180(75)av	1019
L_0~180(85)av	1497
L_90~270(65)av	989
L_90~270(75)av	835
L_90~270(85)av	446
L_45(65)av	1083
L_45(75)av	1023
L_45(85)av	1245

Standard: GB/T 29293-2012

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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Remarks:

Planar Illuminance Curve



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Temperature:25.3DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
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Humidity:65.0%
Test Distance:6.070m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HCP-3466350 G	TYPE: 2835 G	WEIGHT:
SPEC.:	DIM.: 1* 0.01	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	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
5	90.4	90.1	89.8	89.8	90.0	90.2	90.6	91.0	91.1	91.0	91.0	90.7
10	90.0	89.3	88.9	88.8	89.0	89.7	90.4	91.1	91.2	91.1	90.9	90.6
15	88.8	88.1	87.7	87.6	88.0	88.9	89.9	90.8	90.8	90.5	90.3	89.8
20	87.4	86.5	86.2	86.0	86.6	87.7	89.0	89.9	89.9	89.5	89.4	88.5
25	85.4	84.6	84.2	83.8	84.9	86.0	87.3	88.6	88.7	88.2	87.8	86.9
30	82.7	82.4	81.1	80.7	82.5	83.9	84.9	86.6	87.1	86.3	85.9	84.7
35	79.2	79.4	77.8	77.0	79.4	81.1	81.7	83.8	84.8	83.7	83.5	81.7
40	75.0	75.5	73.9	72.4	75.6	77.5	77.7	80.0	81.9	80.4	80.6	77.9
45	70.1	70.9	69.0	67.0	70.9	73.0	72.9	75.4	77.9	76.0	76.8	73.4
50	64.3	65.6	63.7	61.1	65.3	67.8	67.2	69.8	72.6	70.3	72.2	67.9
55	57.8	59.4	57.3	54.6	58.8	61.5	60.6	63.2	65.8	63.1	66.0	61.6
60	50.5	52.2	49.9	47.3	51.3	54.1	52.9	55.4	57.4	54.5	58.0	54.1
65	42.6	44.1	41.7	39.1	42.9	45.9	44.7	46.6	47.7	44.5	48.6	45.8
70	34.1	35.4	32.9	30.2	34.0	36.7	35.8	36.9	37.0	33.6	38.1	36.7
75	25.7	26.5	23.8	20.9	24.6	27.4	27.0	27.1	25.9	22.3	27.1	27.2
80	17.9	18.1	15.0	11.8	15.5	19.0	19.8	19.5	16.0	11.6	16.6	18.3
85	12.1	11.5	8.10	4.31	8.48	12.5	14.0	13.7	9.55	3.47	8.75	12.0
90	8.16	7.53	4.69	0.46	5.26	8.69	9.81	9.49	6.21	0.03	5.11	7.92
95	7.44	6.81	4.39	0.03	4.93	7.89	8.72	8.51	5.69	0.01	4.68	7.17
100	7.63	6.68	4.45	0.04	5.01	8.02	8.85	8.61	5.85	0.01	4.60	6.95
105	8.02	6.82	4.06	0.05	5.11	8.41	9.33	9.14	6.25	0.02	4.09	7.20
110	8.60	7.23	3.43	0.06	4.95	9.20	10.3	10.3	6.68	0.02	3.07	7.14
115	9.76	8.19	2.48	0.07	4.33	11.0	12.3	12.6	7.22	0.03	2.04	7.97
120	12.5	9.29	0.81	0.08	3.23	14.4	16.8	17.6	7.45	0.04	0.78	7.28
125	14.1	8.90	0.12	0.08	2.69	16.2	22.0	22.8	7.00	0.06	0.10	6.80
130	11.9	4.94	0.09	0.10	2.07	12.6	22.5	19.0	4.44	0.06	0.09	4.91
135	5.18	1.15	0.09	0.10	1.05	7.90	13.9	10.6	1.32	0.07	0.10	1.33
140	0.80	0.14	0.09	0.11	0.55	4.52	5.32	3.98	0.59	0.08	0.10	0.19
145	0.13	0.12	0.10	0.12	0.30	1.77	1.78	1.78	0.30	0.09	0.11	0.12
150	0.12	0.12	0.11	0.13	0.22	0.85	1.08	0.93	0.18	0.11	0.12	0.11
155	0.12	0.13	0.11	0.13	0.18	0.44	0.59	0.48	0.14	0.12	0.13	0.11
160	0.12	0.13	0.11	0.13	0.15	0.22	0.14	0.23	0.14	0.12	0.13	0.11
165	0.12	0.13	0.11	0.13	0.15	0.16	0.14	0.17	0.14	0.12	0.13	0.12
170	0.12	0.13	0.12	0.13	0.15	0.14	0.14	0.15	0.14	0.12	0.13	0.12
175	0.12	0.13	0.12	0.13	0.15	0.14	0.14	0.14	0.14	0.12	0.13	0.12
180	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13

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