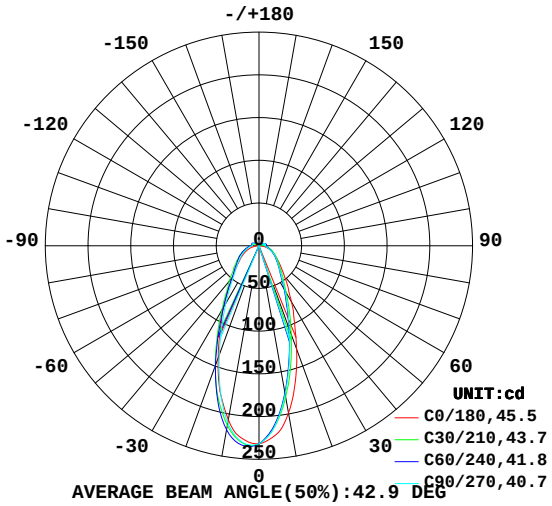
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

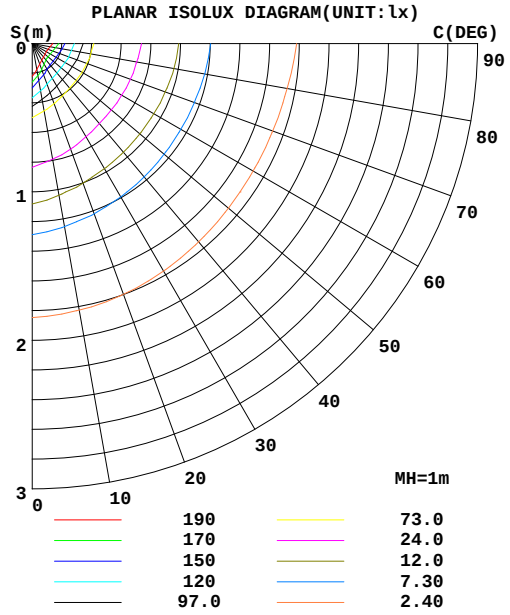
DATA OF LAMP		PHOTOMETRIC DATA Eff: 41.59 lm/W			
MODEL	HCP-3564080	Imax(cd)	235.5	S/MH(C0/180)	0.69
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.72
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	265.45	η UP,DN(C0-180)	4.0,41.2
NOMINAL FLUX(lm)	265.451	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.9,49.9
LAMPS INSIDE	1	η up(%)	8.9	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	η down(%)	91.1	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):42.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [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	198.8	177.2	176.6	181.9	207.0	216.2	210.6	210.6	0- 10	20.42	20.42	7.69,7.69
20	129.1	106.5	103.8	113.1	140.0	149.3	136.2	139.1	10- 20	45.00	65.42	24.6,24.6
30	76.29	61.81	60.69	66.05	83.12	85.32	77.66	79.18	20- 30	44.63	110.1	41.5,41.5
40	46.40	39.62	38.31	42.06	48.89	51.78	46.27	47.83	30- 40	35.84	145.9	55,55
50	30.59	28.32	27.59	29.27	31.78	36.26	32.55	33.30	40- 50	28.88	174.8	65.8,65.8
60	21.08	20.99	20.53	21.47	22.31	27.40	24.22	25.05	50- 60	24.19	199.0	75,75
70	13.94	15.18	13.74	14.73	14.55	20.29	17.40	17.82	60- 70	19.37	218.3	82.3,82.3
80	5.897	10.45	8.548	9.538	6.686	14.38	12.59	12.48	70- 80	14.08	232.4	87.6,87.6
90	0.6581	7.404	7.282	7.695	0.9800	9.660	8.528	8.721	80- 90	9.298	241.7	91.1,91.1
100	0.2531	6.705	7.985	7.858	0.1551	8.010	7.493	7.544	90-100	6.817	248.5	93.6,93.6
110	0.1814	5.221	7.183	7.333	0.1398	7.559	7.792	7.643	100-110	6.330	254.9	96,96
120	0.1982	2.726	4.666	5.052	0.2121	4.871	6.219	6.197	110-120	4.913	259.8	97.9,97.9
130	0.3174	1.190	2.510	2.764	0.3121	2.559	4.086	4.152	120-130	2.855	262.6	98.9,98.9
140	0.4826	0.7660	1.139	1.332	0.4112	1.230	2.160	2.239	130-140	1.370	264.0	99.5,99.5
150	0.6905	0.8984	0.7870	0.8546	0.6001	0.7703	0.9981	1.123	140-150	0.6384	264.6	99.7,99.7
160	0.8637	1.115	1.055	1.036	0.7809	0.9623	0.8652	0.9042	150-160	0.4081	265.0	99.8,99.8
170	0.9748	1.155	1.137	1.139	0.9389	1.191	1.077	1.076	160-170	0.2941	265.3	100,100
180	1.116	1.304	0	1.125	1.116	1.304	1.131	1.125	170-180	0.1071	265.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 161.01 lm

%lum = 60.7%
%lamp = 60.7%

Conical surface Flux(120deg): 198.97 lm

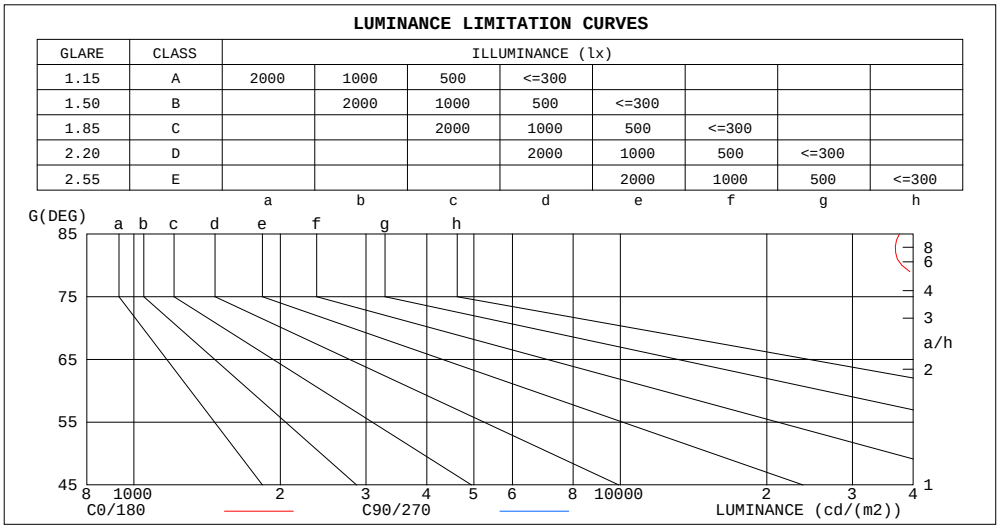
%lum = 75.0%
%lamp = 75.0%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	37488	93958
80	37886	50189
75	43945	44640
70	45483	40958
65	45306	40678
60	47039	41865
55	49446	42802
50	53088	43765
45	58635	46156

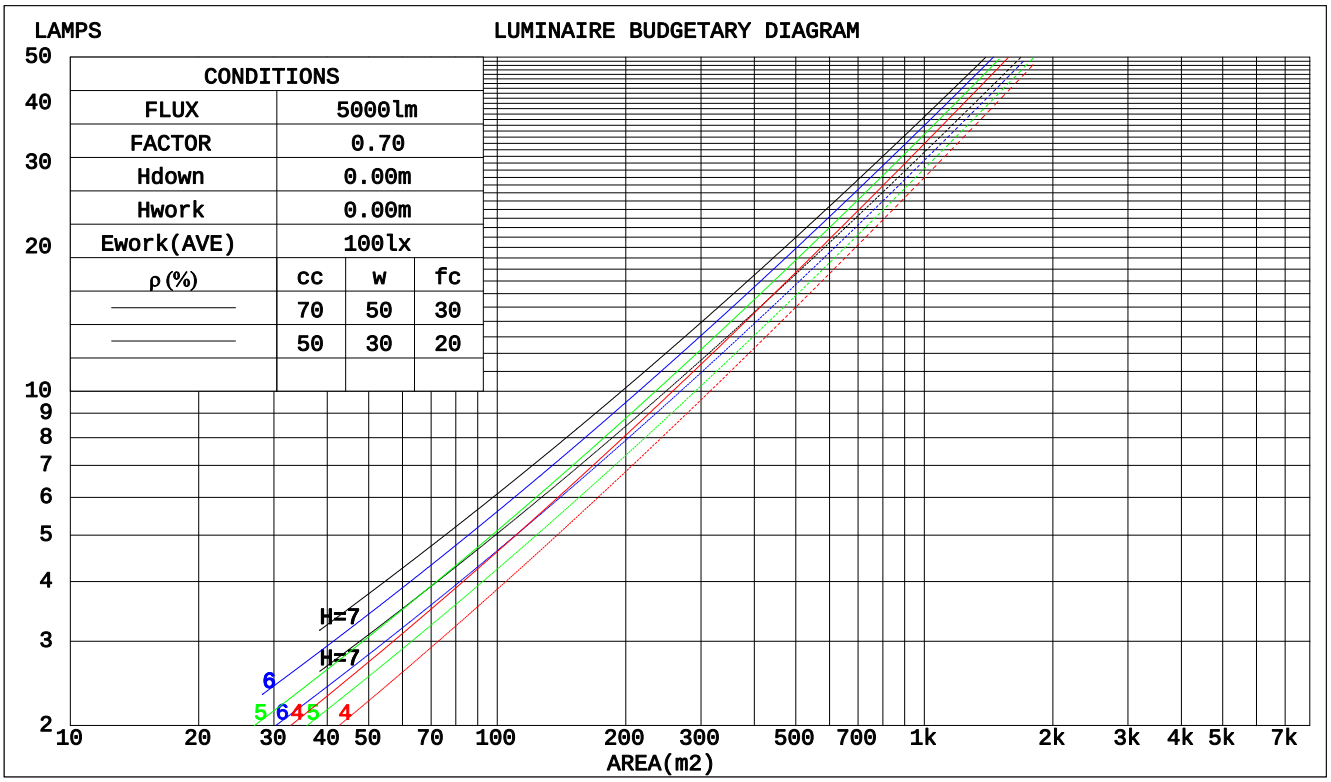
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	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	.00	.00	.00	.94	.94	.94	.91
1.0	1.03	.99	.95	.00	.96	.93	.94	.91	.88	.89	.86	.84	.84	.82	.80	.77
2.0	.92	.86	.80	.89	.83	.79	.84	.80	.76	.80	.76	.73	.75	.72	.70	.67
3.0	.82	.75	.70	.80	.74	.68	.76	.71	.66	.72	.68	.64	.69	.65	.62	.59
4.0	.75	.67	.61	.73	.66	.60	.69	.63	.59	.66	.61	.57	.63	.59	.55	.53
5.0	.68	.61	.55	.67	.59	.54	.64	.57	.53	.61	.56	.51	.58	.54	.50	.48
6.0	.63	.55	.49	.62	.54	.49	.59	.53	.48	.57	.51	.47	.54	.49	.46	.44
7.0	.58	.51	.45	.57	.50	.45	.55	.48	.44	.53	.47	.43	.51	.46	.42	.40
8.0	.54	.47	.41	.53	.46	.41	.51	.45	.40	.49	.44	.40	.48	.43	.39	.37
9.0	.51	.43	.38	.50	.43	.38	.48	.42	.37	.46	.41	.37	.45	.40	.36	.35
10.0	.47	.40	.36	.47	.40	.35	.45	.39	.35	.44	.38	.34	.42	.37	.34	.32



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Shenzhen Mingxue Optoelectronics Co., Ltd.	SUR.:1000mm*10mm	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	.288	.164	.052	.278	.159	.050	.260	.149	.048	.243	.140	.045	.228	.132	.043	
2.0	.259	.142	.044	.251	.138	.043	.235	.130	.041	.220	.123	.039	.206	.117	.037	
3.0	.236	.126	.038	.229	.122	.037	.214	.116	.035	.201	.110	.034	.189	.105	.032	
4.0	.217	.113	.033	.210	.110	.032	.197	.105	.031	.185	.100	.030	.174	.095	.029	
5.0	.200	.102	.030	.194	.100	.029	.183	.095	.028	.172	.091	.027	.162	.087	.026	
6.0	.186	.093	.027	.180	.091	.026	.170	.087	.025	.160	.083	.024	.151	.080	.024	
7.0	.173	.086	.024	.168	.084	.024	.159	.080	.023	.150	.077	.022	.142	.074	.022	
8.0	.162	.079	.022	.158	.078	.022	.149	.075	.021	.141	.072	.021	.134	.069	.020	
9.0	.153	.074	.021	.149	.072	.020	.141	.070	.020	.133	.067	.019	.127	.064	.019	
10.0	.144	.069	.019	.140	.068	.019	.133	.065	.018	.126	.063	.018	.120	.060	.017	

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	.259	.259	.259	.221	.221	.221	.151	.151	.151	.087	.087	.087	.028	.028	.028	
1.0	.247	.225	.205	.212	.193	.176	.145	.133	.122	.083	.077	.071	.027	.025	.023	
2.0	.237	.201	.171	.203	.173	.148	.139	.120	.103	.080	.070	.060	.026	.023	.020	
3.0	.228	.184	.149	.195	.158	.129	.134	.110	.090	.077	.064	.053	.025	.021	.017	
4.0	.219	.170	.133	.188	.147	.115	.129	.102	.081	.075	.060	.048	.024	.020	.016	
5.0	.211	.159	.122	.181	.138	.106	.125	.096	.075	.072	.057	.044	.023	.018	.015	
6.0	.203	.151	.113	.175	.131	.099	.120	.091	.070	.070	.054	.042	.023	.018	.014	
7.0	.196	.144	.107	.169	.125	.093	.117	.087	.066	.068	.052	.039	.022	.017	.013	
8.0	.190	.138	.102	.164	.120	.089	.113	.084	.063	.066	.050	.038	.021	.016	.012	
9.0	.184	.133	.098	.159	.115	.086	.110	.081	.061	.064	.048	.036	.021	.016	.012	
10.0	.179	.129	.095	.154	.112	.083	.107	.079	.059	.062	.046	.035	.020	.015	.012	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	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	24.0	25.2	24.4	25.6	25.9	23.2	24.4	23.6	24.8	25.1
3H	25.7	26.8	26.1	27.2	27.6	24.9	26.0	25.3	26.4	26.8
4H	26.5	27.5	26.9	27.9	28.3	25.8	26.9	26.2	27.3	27.7
6H	27.0	28.0	27.5	28.4	28.9	26.7	27.7	27.1	28.1	28.5
8H	27.2	28.2	27.7	28.6	29.1	27.2	28.2	27.7	28.6	29.1
12H	27.4	28.3	27.9	28.8	29.2	27.9	28.8	28.4	29.3	29.7
4H 2H	24.5	25.5	24.9	25.9	26.3	23.8	24.9	24.3	25.3	25.7
3H	26.4	27.3	26.9	27.8	28.2	25.7	26.7	26.2	27.1	27.6
4H	27.4	28.2	27.9	28.7	29.2	26.8	27.6	27.3	28.1	28.6
6H	28.2	28.9	28.7	29.4	30.0	27.9	28.6	28.4	29.1	29.7
8H	28.5	29.2	29.0	29.7	30.3	28.5	29.2	29.0	29.7	30.3
12H	28.7	29.4	29.3	29.9	30.5	29.3	30.0	29.9	30.5	31.1
8H 4H	27.7	28.4	28.3	29.0	29.5	27.2	27.9	27.8	28.5	29.0
6H	28.9	29.5	29.4	30.0	30.6	28.6	29.2	29.2	29.7	30.3
8H	29.4	29.9	30.0	30.5	31.1	29.4	29.9	30.0	30.5	31.1
12H	29.9	30.3	30.5	30.9	31.6	30.4	30.8	31.0	31.4	32.1
12H 4H	27.8	28.4	28.4	29.0	29.6	27.3	28.0	27.9	28.5	29.1
6H	29.0	29.6	29.6	30.1	30.8	28.8	29.3	29.4	29.9	30.5
8H	29.7	30.2	30.3	30.8	31.4	29.7	30.1	30.3	30.7	31.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				

CIE Pub.117, 265.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -4.6)
Area: 0.001 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

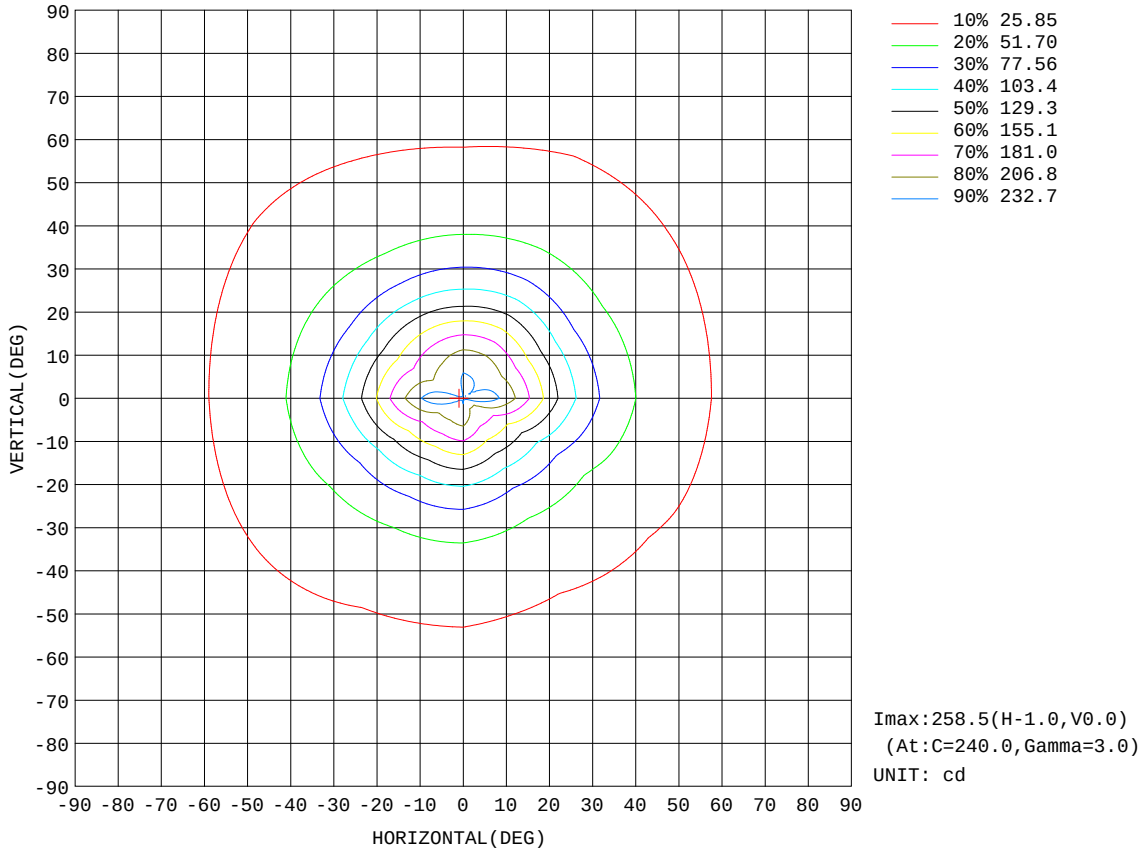
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	64	54	48	63	53	48	62	53	47	42
0.80	72	62	56	71	62	56	69	61	55	49
1.00	79	69	63	78	69	62	75	69	62	55
1.25	85	76	69	83	75	69	80	73	67	60
1.50	89	80	74	87	79	73	84	77	72	64
2.00	95	87	81	93	85	80	88	82	78	69
2.50	98	91	85	96	89	84	91	86	81	72
3.00	101	94	89	98	92	88	93	89	85	74
4.00	105	99	95	102	97	93	96	92	89	78
5.00	107	102	98	104	100	96	98	95	92	80
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:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-



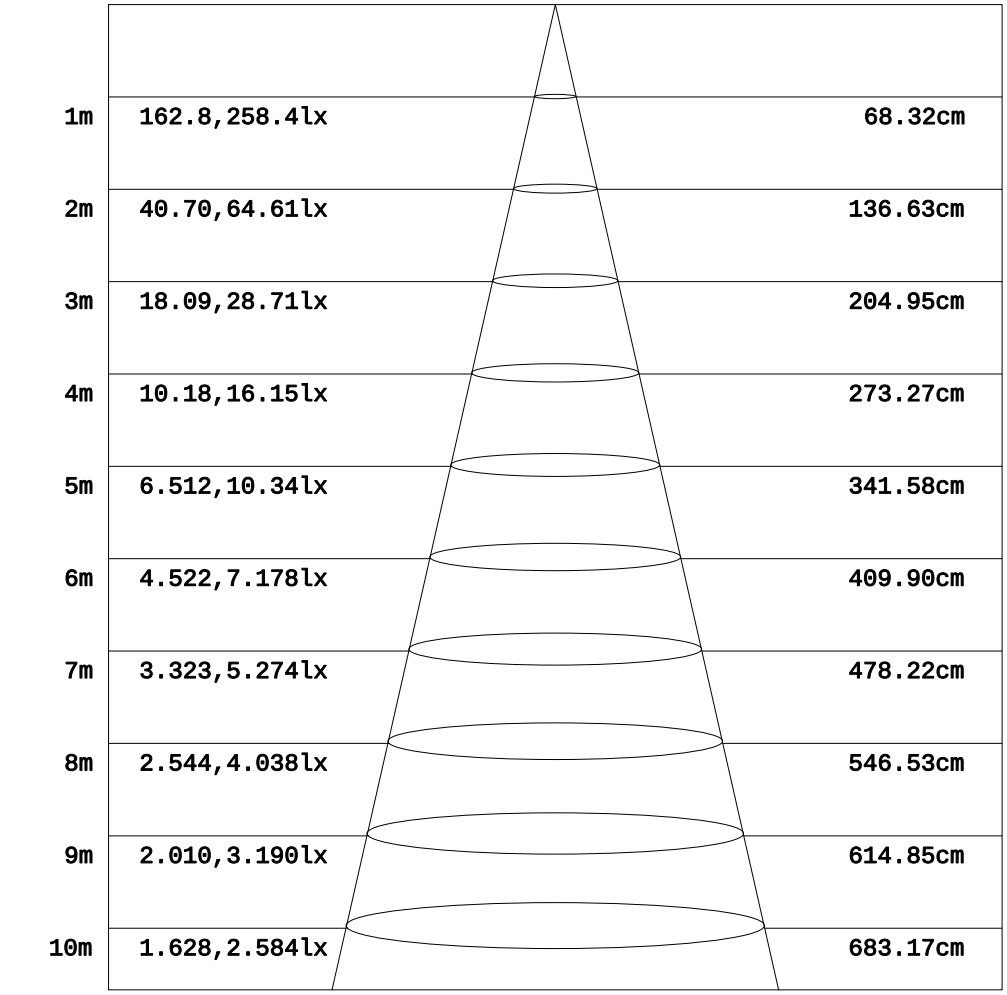
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

Flux out:60.64 lm



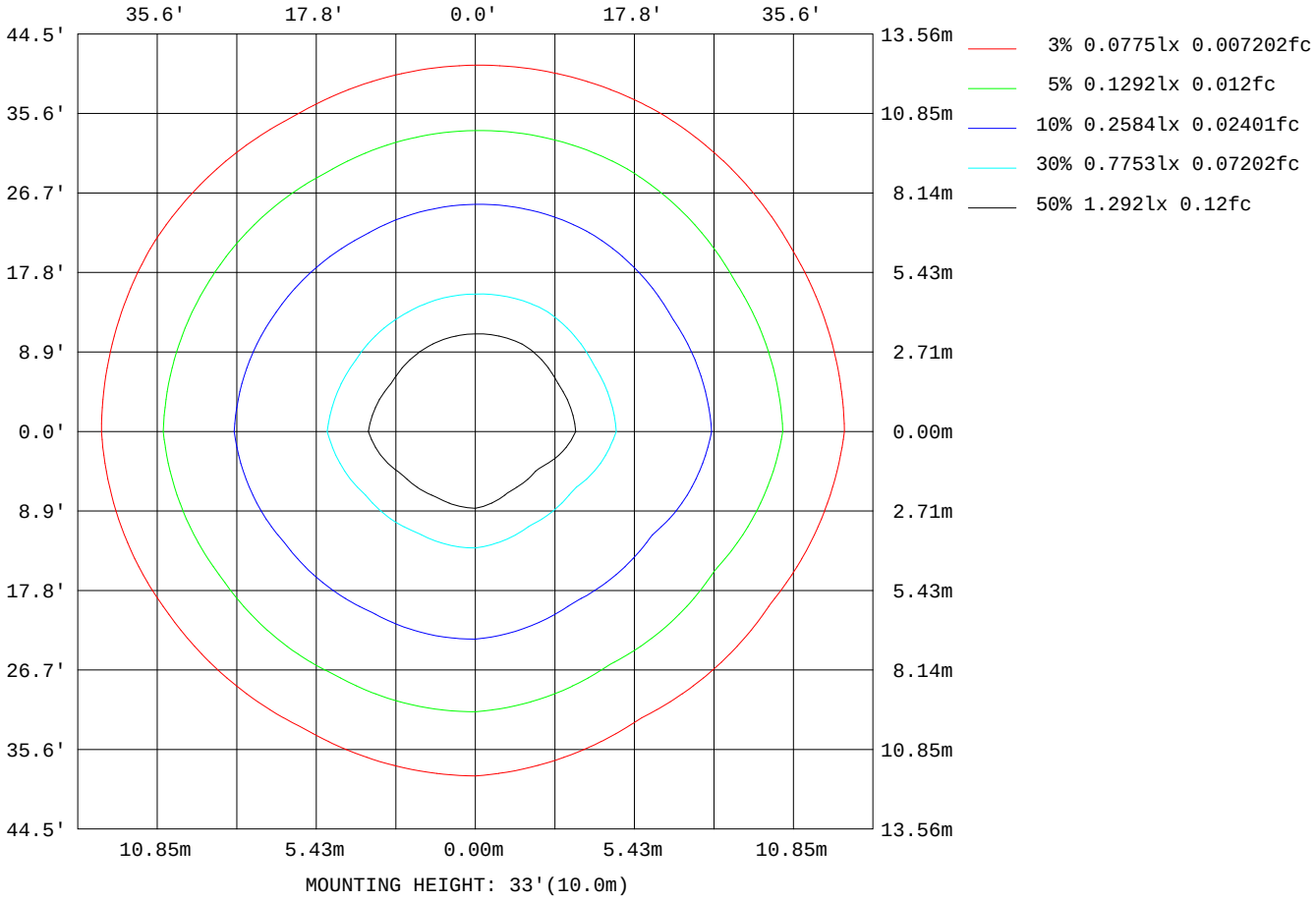
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

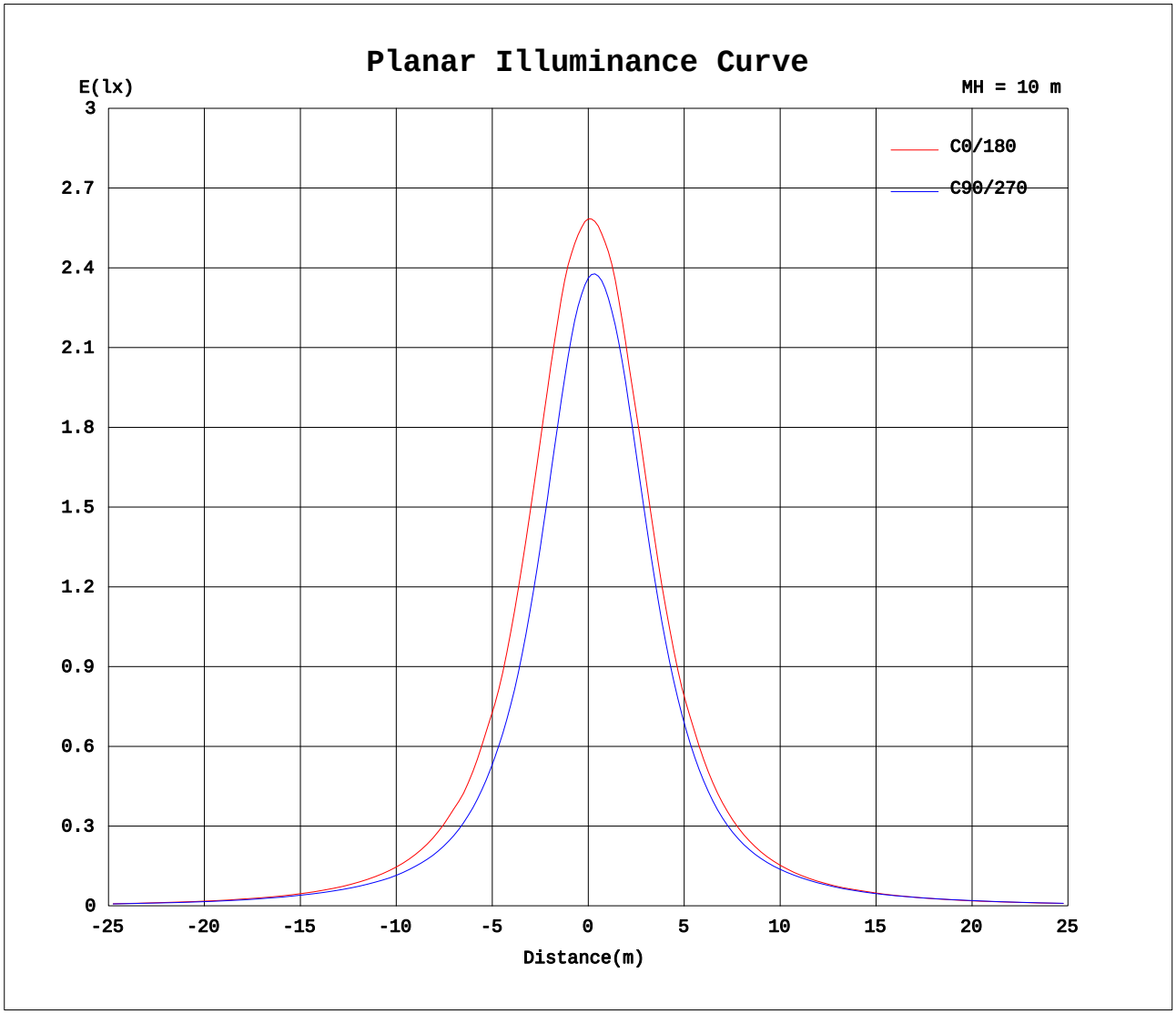
AvgL	cd/m2
L_0~180(65)av	42034
L_0~180(75)av	40582
L_0~180(85)av	36622
L_90~270(65)av	44791
L_90~270(75)av	51406
L_90~270(85)av	105157
L_45(65)av	48388
L_45(75)av	56408
L_45(85)av	118203

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
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γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
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Remarks:

Planar Illuminance Curve



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C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:50.8%
Test Distance:3.154m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.931V I:0.2667A P:6.3824W PF:1.0000 Freq:0Hz Lamp Flux:265.451x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	232	232	232	232	232	232	232	232	232	232	232	232
5	222	213	210	212	211	216	226	231	234	231	232	229
10	199	180	175	177	177	187	207	214	219	211	213	209
15	165	144	136	138	139	154	177	185	187	175	179	174
20	129	110	103	104	106	121	140	150	149	136	142	136
25	97.9	84.2	77.1	79.2	80.9	91.9	107	116	112	103	108	103
30	76.3	64.3	59.3	60.7	61.9	70.2	83.1	87.4	83.3	77.7	81.1	77.3
35	59.6	50.3	45.9	47.3	48.4	55.2	63.1	66.8	63.4	58.9	61.1	59.7
40	46.4	41.5	37.8	38.3	39.2	44.9	48.9	54.4	49.2	46.3	48.2	47.4
45	37.2	33.9	31.6	32.0	32.7	36.6	38.9	43.8	40.9	38.2	39.7	38.8
50	30.6	29.5	27.1	27.6	27.7	30.8	31.8	37.7	34.8	32.6	33.6	33.0
55	25.4	25.5	23.4	24.1	24.1	27.2	26.8	32.3	30.7	27.9	29.2	28.4
60	21.1	22.0	20.0	20.5	20.2	22.8	22.3	27.7	27.1	24.2	25.7	24.4
65	17.2	18.9	17.0	16.9	16.5	18.8	18.4	24.1	23.3	21.0	22.1	20.7
70	13.9	16.1	14.2	13.7	14.0	15.5	14.5	20.3	20.3	17.4	18.5	17.1
75	10.2	13.3	11.8	11.3	11.5	12.8	10.8	17.4	17.0	15.3	15.6	14.7
80	5.90	11.0	9.94	8.55	9.05	10.03	6.69	14.3	14.4	12.6	12.9	12.1
85	2.93	8.73	7.96	8.03	8.27	9.06	3.45	11.8	11.9	10.3	10.5	10.01
90	0.66	6.80	8.00	7.28	7.30	8.09	0.98	9.57	9.75	8.53	8.81	8.63
95	0.29	4.02	8.02	7.25	6.98	7.52	0.24	8.07	8.32	7.52	7.84	7.86
100	0.25	5.89	7.52	7.98	7.77	7.95	0.16	7.73	8.29	7.49	7.61	7.48
105	0.23	4.78	8.55	7.85	7.98	6.72	0.12	7.65	8.84	7.88	7.80	7.58
110	0.18	2.98	7.45	7.18	7.21	7.45	0.14	6.53	8.59	7.79	7.77	7.51
115	0.16	1.88	5.96	5.89	6.03	6.49	0.17	4.65	7.81	7.11	7.15	6.90
120	0.20	1.15	4.29	4.67	4.66	5.45	0.21	3.22	6.52	6.22	6.33	6.06
125	0.25	0.66	2.93	3.54	3.66	4.19	0.26	2.15	5.19	5.20	5.33	5.11
130	0.32	0.45	1.93	2.51	2.58	2.95	0.31	1.33	3.78	4.09	4.23	4.07
135	0.39	0.51	1.29	1.71	1.77	2.02	0.35	0.77	2.75	3.02	3.18	3.06
140	0.48	0.63	0.90	1.14	1.19	1.48	0.41	0.57	1.88	2.16	2.28	2.20
145	0.58	0.77	0.77	0.83	0.88	1.04	0.50	0.60	1.24	1.48	1.57	1.54
150	0.69	0.90	0.89	0.79	0.83	0.88	0.60	0.71	0.83	1.00	1.10	1.15
155	0.79	1.01	1.05	0.91	0.93	0.90	0.70	0.84	0.81	0.78	0.85	0.92
160	0.86	1.07	1.16	1.06	1.07	1.01	0.78	0.97	0.95	0.87	0.87	0.93
165	0.92	1.10	1.20	1.14	1.15	1.10	0.86	1.10	1.09	1.00	1.00	1.04
170	0.97	1.14	1.17	1.14	1.15	1.13	0.94	1.19	1.19	1.08	1.08	1.08
175	1.06	1.24	1.19	1.10	1.11	1.11	1.04	1.27	1.25	1.10	1.10	1.07
180	1.12	1.33	1.27	0.00	1.13	1.12	1.12	1.33	1.28	1.13	1.13	1.12

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