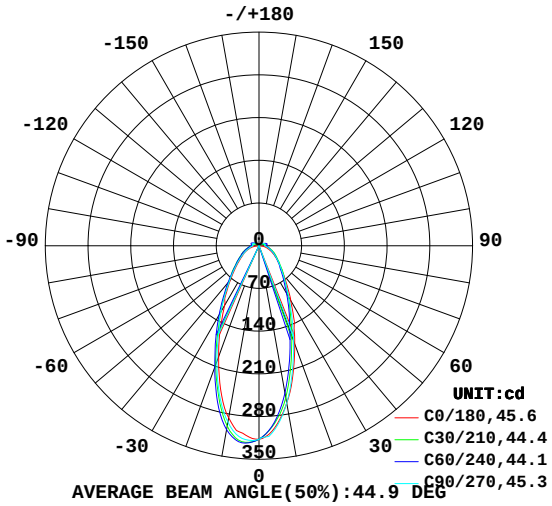
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-

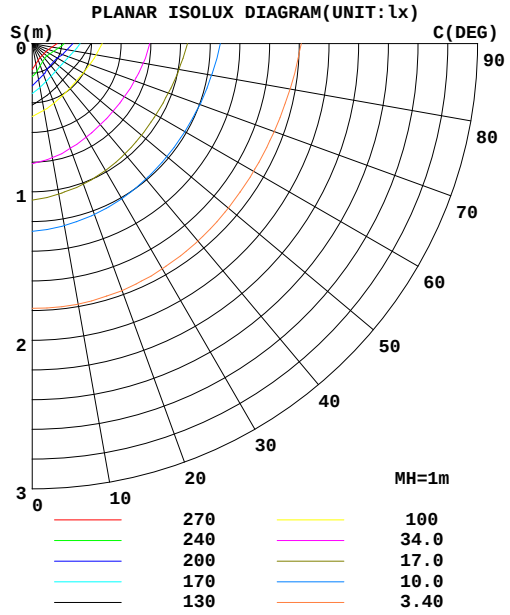
DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.78 lm/W			
MODEL	HCP-3564081	Imax(cd)	324.3	S/MH(C0/180)	0.67
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.76
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	387.50	η UP,DN(C0-180)	4.4,41.6
NOMINAL FLUX(lm)	387.502	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.6,49.4
LAMPS INSIDE	1	η up(%)	9.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	η down(%)	91.0	CIBSE SHR MAX	0.85

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):44.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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	261.9	249.0	261.9	262.8	286.4	303.1	293.6	298.1	0- 10	28.37	28.37	7.32,7.32
20	171.5	152.9	165.6	176.2	193.9	210.1	201.8	217.2	10- 20	64.76	93.13	24,24
30	104.8	93.61	97.89	107.5	112.9	127.7	125.3	133.1	20- 30	67.43	160.6	41.4,41.4
40	63.85	60.38	61.71	67.14	72.66	78.08	75.39	80.09	30- 40	56.12	216.7	55.9,55.9
50	41.27	42.46	41.84	45.01	45.96	50.85	48.12	50.73	40- 50	44.06	260.7	67.3,67.3
60	27.67	30.58	29.23	30.92	30.59	35.50	31.80	33.28	50- 60	34.30	295.0	76.1,76.1
70	17.24	21.84	20.32	21.42	19.93	26.29	21.08	22.37	60- 70	26.26	321.3	82.9,82.9
80	8.296	15.36	13.65	14.62	9.723	18.29	14.43	15.15	70- 80	18.78	340.1	87.8,87.8
90	0.8444	11.13	9.657	10.70	1.551	12.51	10.21	11.41	80- 90	12.51	352.6	91,91
100	0.3003	12.12	9.854	10.16	0.4692	11.92	10.51	10.47	90-100	9.714	362.3	93.5,93.5
110	0.1358	9.159	9.837	9.665	0.4451	11.16	10.92	10.74	100-110	9.450	371.8	95.9,95.9
120	0.2584	5.144	7.823	7.981	0.5669	6.425	8.335	8.334	110-120	7.227	379.0	97.8,97.8
130	0.4316	2.469	5.199	5.497	0.5820	2.906	5.013	5.144	120-130	4.327	383.3	98.9,98.9
140	0.6702	1.393	2.839	3.192	0.6287	1.275	2.339	2.568	130-140	2.115	385.4	99.5,99.5
150	0.9529	1.280	1.479	1.861	0.8212	0.9357	1.071	1.290	140-150	0.9663	386.4	99.7,99.7
160	1.181	1.539	1.374	1.513	1.083	1.313	1.139	1.171	150-160	0.5776	387.0	99.9,99.9
170	1.357	1.610	1.450	1.446	1.305	1.644	1.343	1.315	160-170	0.3912	387.4	100,100
180	1.549	1.829	1.465	1.460	1.551	1.827	1.465	1.461	170-180	0.1428	387.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 240.06 lm

%lum = 62.0%
%lamp = 62.0%

Conical surface Flux(120deg): 295.04 lm

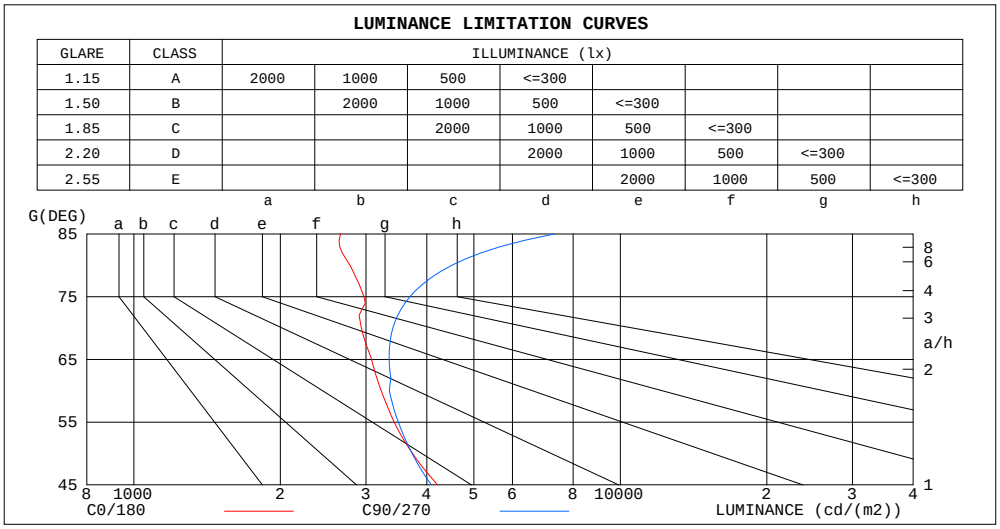
%lum = 76.1%
%lamp = 76.1%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2661	7341
80	2782	4506
75	2970	3694
70	2936	3407
65	3080	3348
60	3223	3351
55	3428	3496
50	3739	3732
45	4210	4089

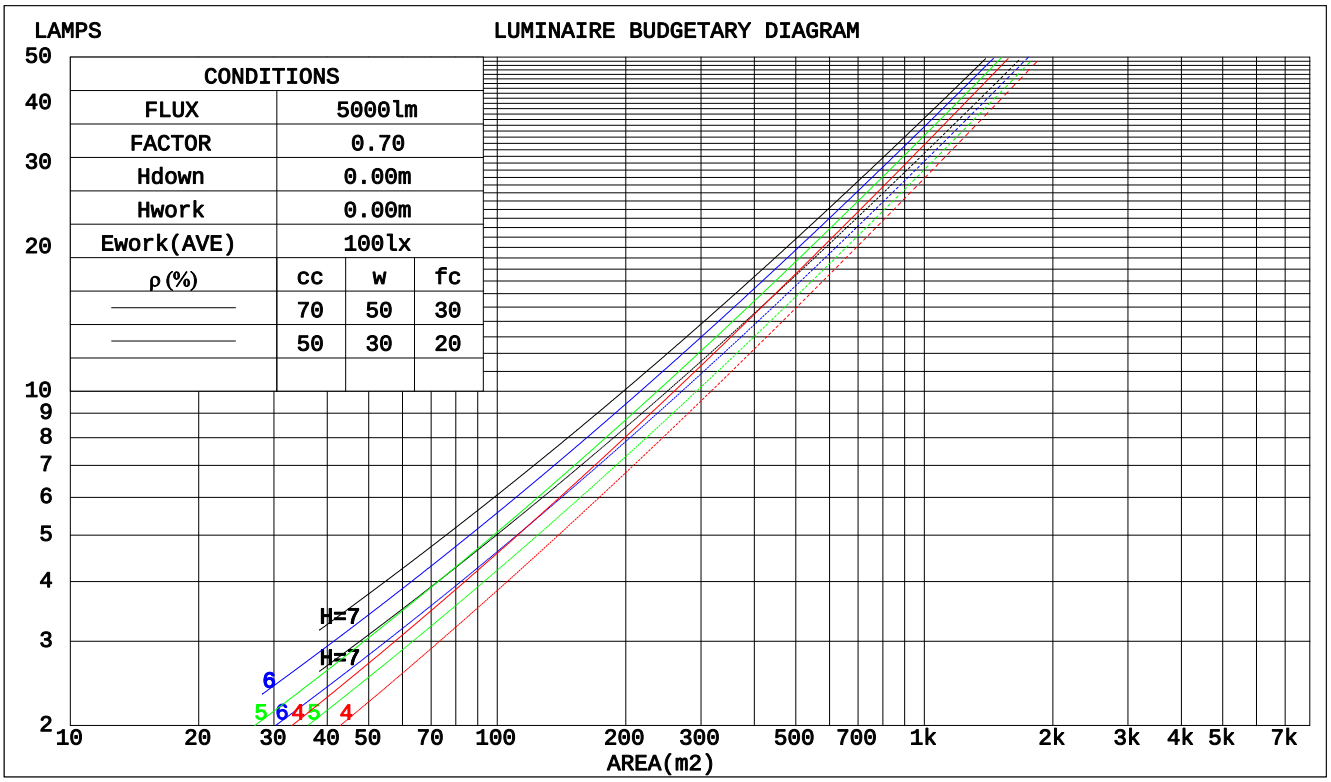
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	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	.96	1.00	.97	.93	.94	.91	.89	.89	.87	.84	.84	.82	.80	.78
2.0	.92	.86	.81	.89	.84	.79	.85	.80	.76	.80	.76	.73	.76	.73	.70	.68
3.0	.83	.76	.70	.81	.74	.69	.77	.71	.67	.73	.68	.64	.69	.65	.62	.60
4.0	.75	.68	.62	.73	.66	.61	.70	.64	.59	.67	.62	.57	.64	.59	.56	.54
5.0	.69	.61	.55	.67	.60	.54	.64	.58	.53	.61	.56	.52	.59	.54	.50	.48
6.0	.63	.55	.50	.62	.55	.49	.59	.53	.48	.57	.51	.47	.55	.50	.46	.44
7.0	.58	.51	.45	.57	.50	.45	.55	.49	.44	.53	.47	.43	.51	.46	.42	.40
8.0	.54	.47	.42	.53	.46	.41	.51	.45	.41	.49	.44	.40	.48	.43	.39	.37
9.0	.51	.43	.39	.50	.43	.38	.48	.42	.38	.46	.41	.37	.45	.40	.36	.35
10.0	.47	.40	.36	.47	.40	.36	.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:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	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	.282	.160	.051	.272	.155	.049	.254	.146	.046	.237	.137	.044	.222	.128	.041	
2.0	.255	.140	.043	.247	.136	.042	.230	.128	.040	.216	.121	.038	.202	.114	.036	
3.0	.233	.124	.037	.226	.121	.036	.211	.115	.035	.198	.109	.033	.186	.103	.032	
4.0	.215	.112	.033	.208	.109	.032	.195	.103	.031	.183	.098	.030	.172	.094	.029	
5.0	.199	.101	.029	.193	.099	.029	.181	.094	.028	.170	.090	.027	.160	.086	.026	
6.0	.185	.093	.027	.179	.091	.026	.169	.087	.025	.159	.083	.024	.150	.079	.023	
7.0	.173	.085	.024	.168	.084	.024	.158	.080	.023	.150	.077	.022	.141	.073	.022	
8.0	.162	.079	.022	.157	.078	.022	.149	.074	.021	.141	.071	.021	.133	.068	.020	
9.0	.152	.074	.021	.148	.072	.020	.140	.069	.020	.133	.067	.019	.126	.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	.248	.226	.206	.212	.194	.177	.145	.133	.122	.083	.077	.071	.027	.025	.023	
2.0	.237	.202	.172	.203	.174	.149	.139	.120	.104	.080	.070	.061	.026	.023	.020	
3.0	.227	.184	.150	.195	.159	.130	.134	.110	.091	.077	.064	.054	.025	.021	.018	
4.0	.219	.171	.134	.188	.147	.116	.129	.103	.082	.075	.060	.048	.024	.020	.016	
5.0	.211	.160	.122	.181	.138	.107	.125	.097	.075	.072	.057	.045	.023	.019	.015	
6.0	.203	.151	.114	.175	.131	.099	.121	.092	.070	.070	.054	.042	.023	.018	.014	
7.0	.197	.144	.108	.169	.125	.094	.117	.088	.067	.068	.052	.040	.022	.017	.013	
8.0	.190	.138	.103	.164	.120	.090	.113	.084	.064	.066	.050	.038	.021	.016	.013	
9.0	.185	.133	.099	.159	.116	.086	.110	.081	.061	.064	.048	.037	.021	.016	.012	
10.0	.179	.129	.096	.155	.112	.084	.107	.079	.059	.063	.047	.035	.020	.015	.012	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	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	14.6	15.8	15.0	16.2	16.5	14.5	15.7	14.9	16.1	16.4
3H	16.2	17.3	16.6	17.6	18.0	16.2	17.3	16.7	17.7	18.1
4H	16.9	17.9	17.3	18.3	18.7	17.2	18.2	17.6	18.6	19.0
6H	17.5	18.5	17.9	18.9	19.3	18.2	19.1	18.6	19.6	20.0
8H	17.7	18.6	18.1	19.1	19.5	18.7	19.7	19.2	20.1	20.5
12H	17.8	18.7	18.3	19.2	19.7	19.3	20.3	19.8	20.7	21.2
4H 2H	15.1	16.2	15.6	16.6	17.0	15.0	16.1	15.5	16.5	16.9
3H	16.9	17.9	17.4	18.3	18.8	17.0	17.9	17.4	18.3	18.8
4H	17.9	18.7	18.4	19.2	19.7	18.0	18.9	18.5	19.3	19.9
6H	18.7	19.4	19.2	19.9	20.5	19.3	20.0	19.8	20.5	21.0
8H	19.0	19.7	19.5	20.2	20.8	19.9	20.6	20.5	21.1	21.7
12H	19.3	19.9	19.8	20.4	21.0	20.7	21.4	21.3	21.9	22.5
8H 4H	18.3	19.0	18.8	19.5	20.1	18.4	19.1	19.0	19.7	20.2
6H	19.4	20.0	20.0	20.6	21.2	19.9	20.5	20.5	21.0	21.7
8H	20.0	20.5	20.6	21.1	21.7	20.8	21.3	21.4	21.9	22.5
12H	20.5	20.9	21.1	21.5	22.2	21.8	22.2	22.4	22.8	23.5
12H 4H	18.4	19.0	18.9	19.6	20.1	18.5	19.2	19.1	19.7	20.3
6H	19.7	20.2	20.2	20.7	21.4	20.1	20.6	20.7	21.2	21.8
8H	20.3	20.8	20.9	21.4	22.0	21.0	21.5	21.7	22.1	22.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
2.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.3				

CIE Pub.117, 387.5 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.3)
Area: 0.01854 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-

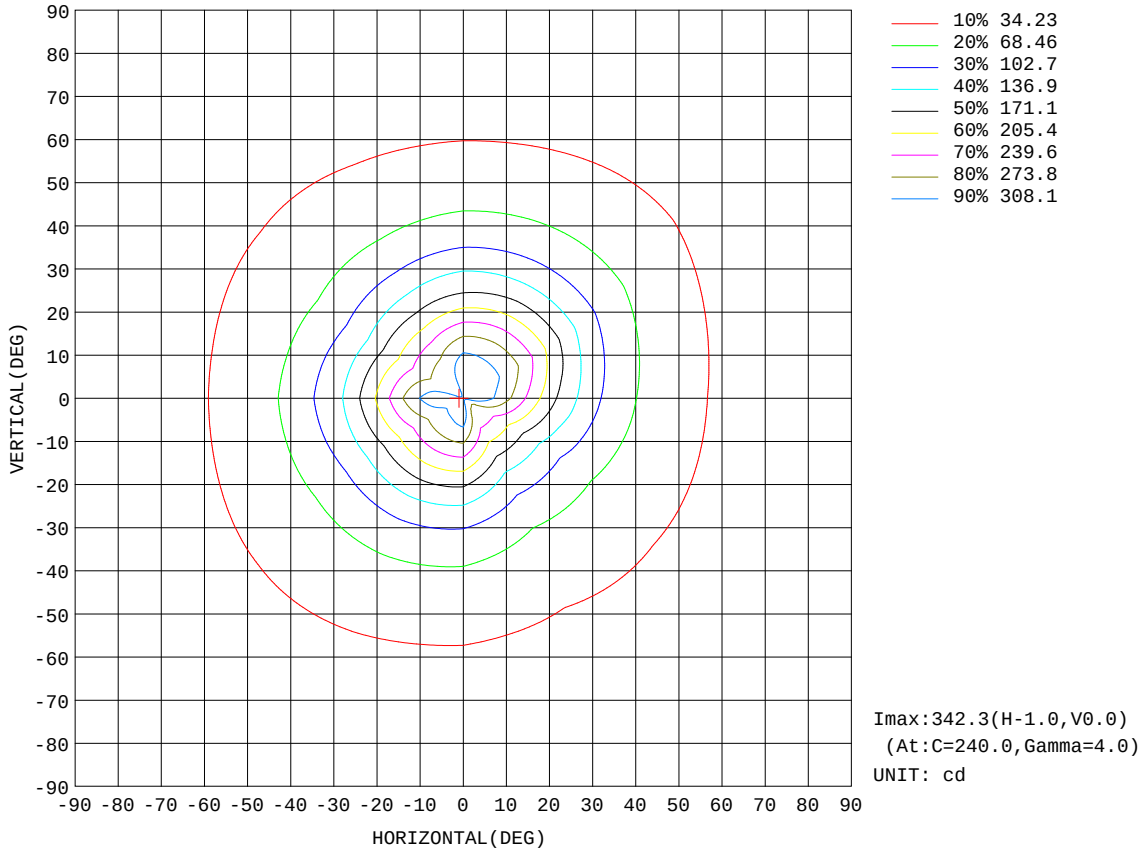
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	64	54	48	63	54	48	62	53	48	42
0.80	73	63	57	72	63	57	70	61	56	50
1.00	80	70	64	78	69	63	76	70	62	56
1.25	86	76	70	84	75	70	81	74	68	61
1.50	90	81	75	88	80	74	84	78	73	65
2.00	95	88	82	93	86	80	89	83	78	70
2.50	99	91	86	96	90	84	91	86	82	72
3.00	101	95	90	99	93	88	94	89	85	75
4.00	105	100	95	102	97	93	97	93	89	78
5.00	107	102	99	104	100	96	98	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:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-



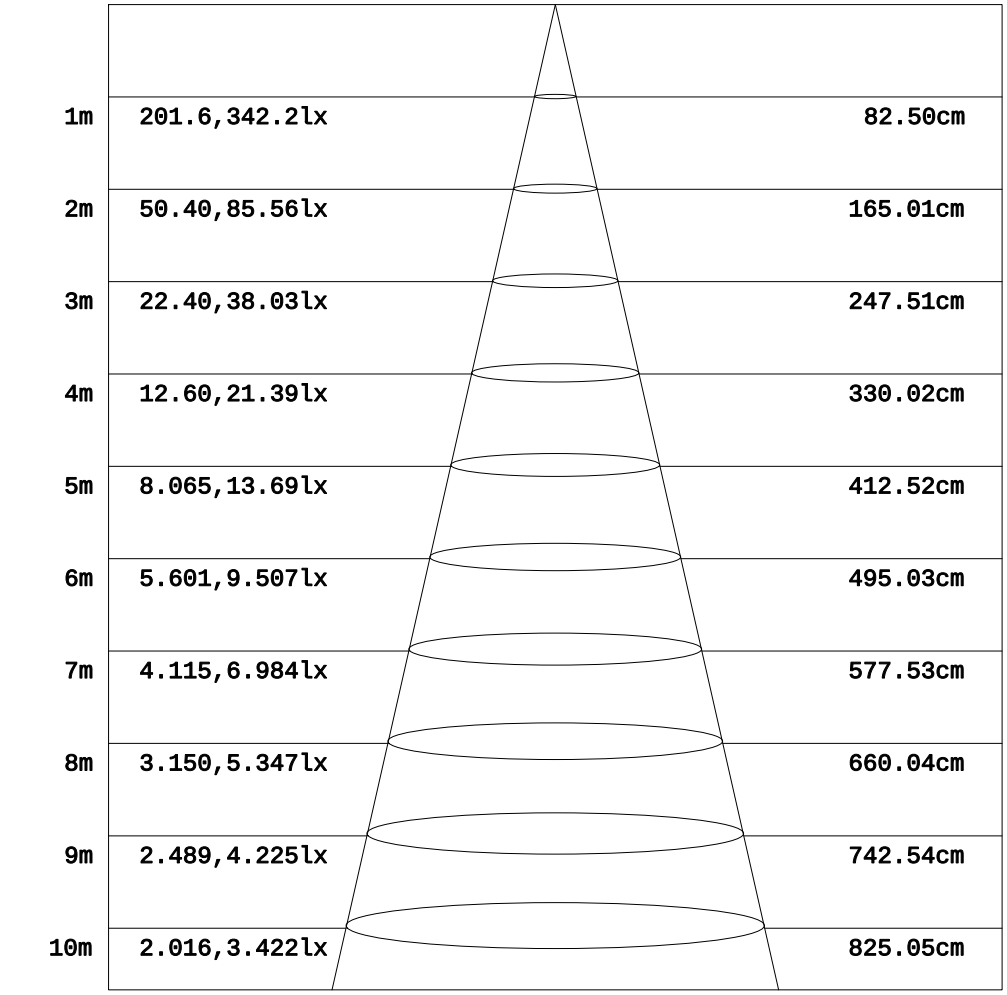
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-

Flux out:114.1 lm



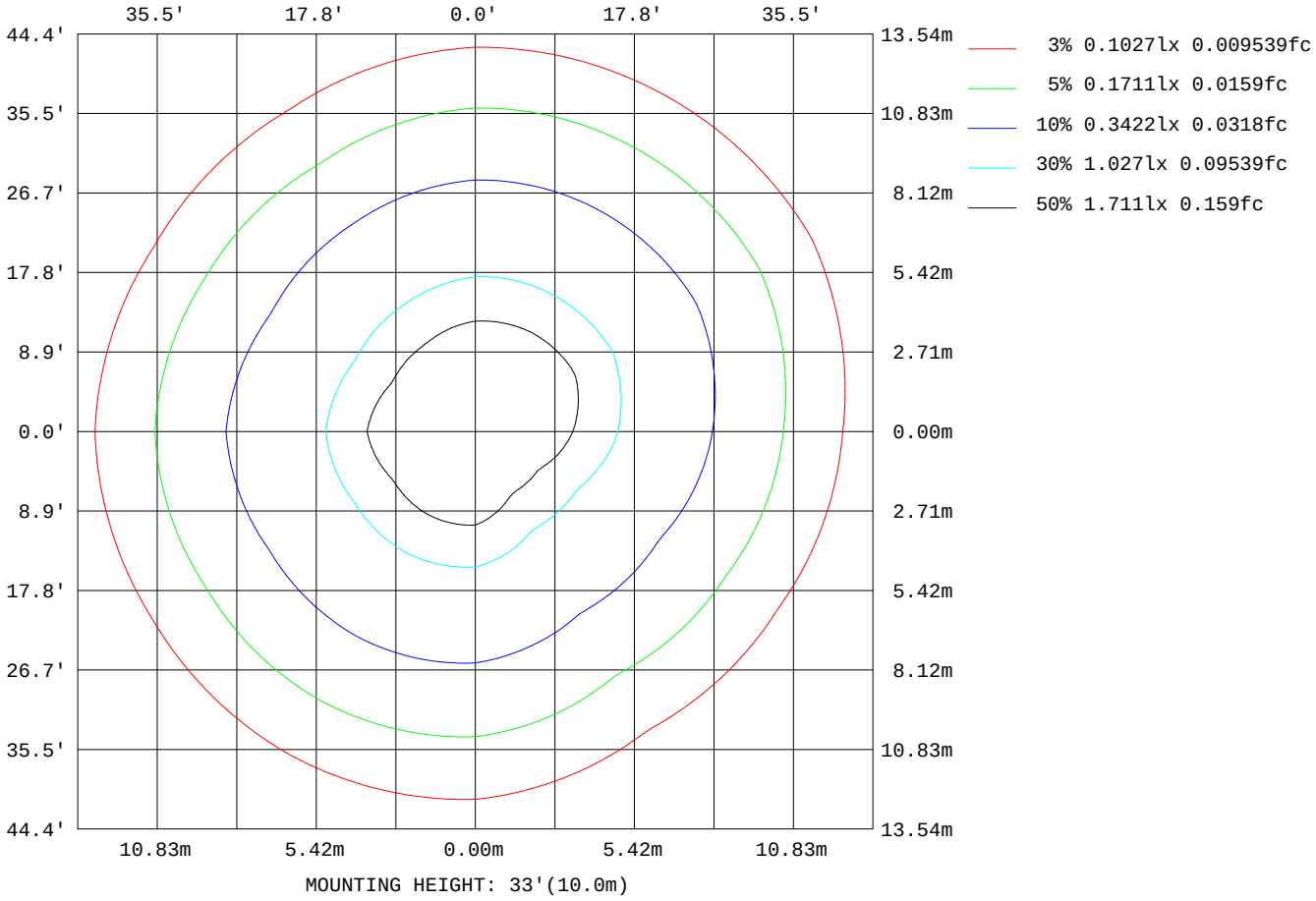
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-

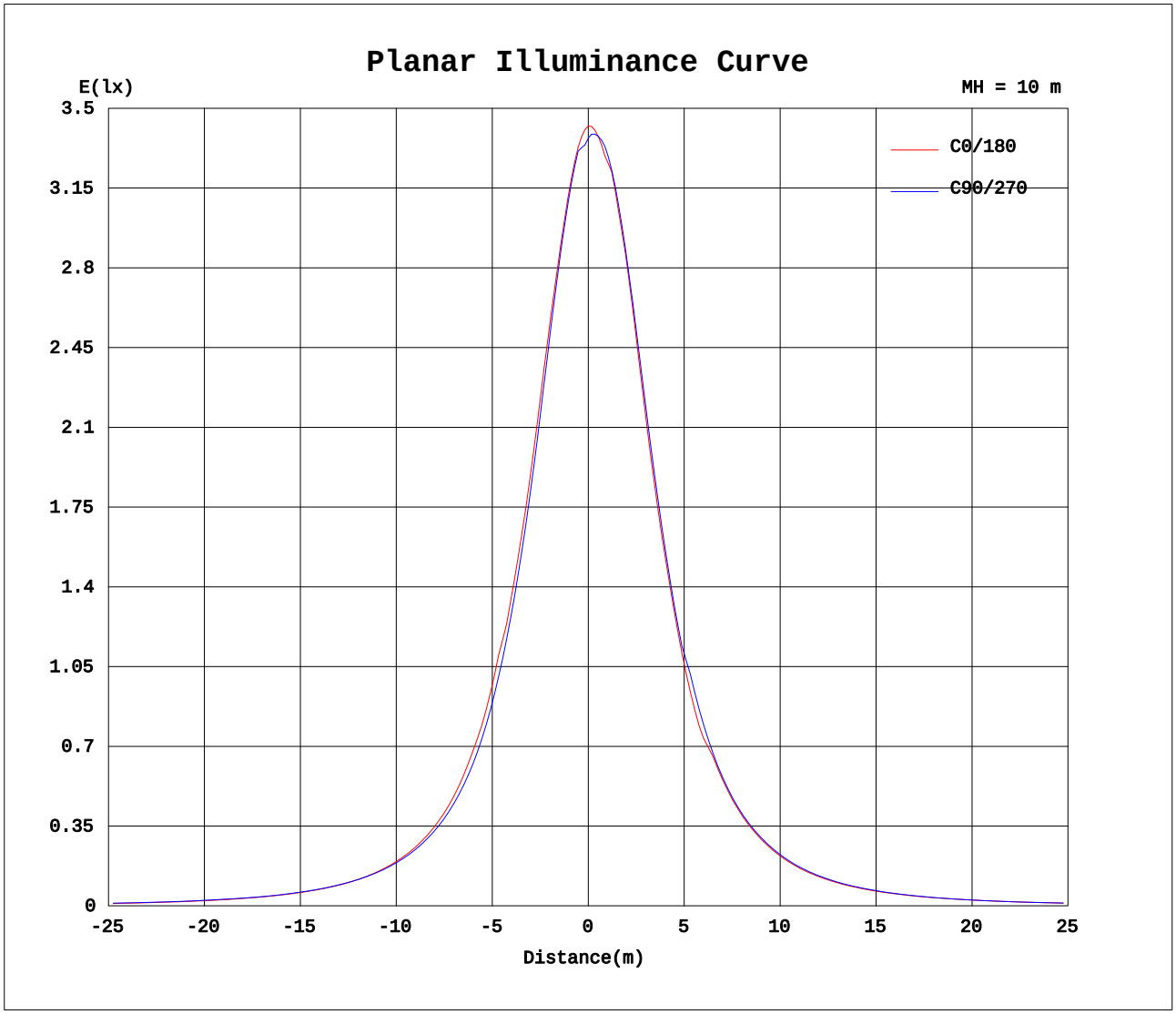
AvgL	cd/m2
L_0~180(65)av	3048
L_0~180(75)av	2943
L_0~180(85)av	2763
L_90~270(65)av	3234
L_90~270(75)av	3518
L_90~270(85)av	7115
L_45(65)av	3571
L_45(75)av	4069
L_45(85)av	8668

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:24.014V I:0.2655A P:6.3752W PF:1.0000 Freq:0Hz Lamp Flux:387.502x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1030mm*18mm	Shielding Angle:-

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	317	317	317	317	317	317	317	317	317	317	317	317							
5	299	292	290	302	298	298	308	322	324	317	316	317							
10	262	253	245	262	263	263	286	300	306	294	297	299							
15	216	202	194	212	218	220	243	256	264	251	261	266							
20	172	157	148	166	175	178	194	208	212	202	214	220							
25	137	122	116	127	137	140	150	161	168	156	169	175							
30	105	96.6	90.7	97.9	106	109	113	125	131	125	131	136							
35	81.1	76.4	71.8	76.9	83.3	85.5	93.2	98.8	101	96.5	101	105							
40	63.9	62.8	58.0	61.7	66.3	68.0	72.7	76.8	79.4	75.4	78.7	81.6							
45	51.1	52.3	48.2	50.4	53.9	55.2	57.5	63.1	62.0	60.0	62.5	64.7							
50	41.3	43.9	41.1	41.8	44.5	45.5	46.0	51.1	50.6	48.1	49.9	51.5							
55	33.8	36.5	34.9	35.0	36.9	37.6	37.2	42.6	42.3	39.1	40.4	41.7							
60	27.7	31.7	29.5	29.2	30.6	31.2	30.6	36.0	35.0	31.8	32.8	33.8							
65	22.4	27.2	24.9	24.7	25.4	26.5	25.4	30.7	30.9	26.0	27.3	27.5							
70	17.2	22.9	20.8	20.3	20.9	21.9	19.9	26.9	25.6	21.1	22.3	22.4							
75	13.2	18.9	18.0	16.7	17.0	18.1	15.0	22.1	21.8	17.1	18.2	18.1							
80	8.30	15.6	15.2	13.6	14.5	14.8	9.72	18.3	18.3	14.4	14.9	15.4							
85	3.98	12.8	12.9	11.2	12.0	12.3	4.95	15.3	15.2	11.8	12.5	13.0							
90	0.84	10.71	11.6	9.66	10.5	10.9	1.55	12.4	12.6	10.2	11.2	11.6							
95	0.35	10.33	12.3	9.44	10.2	10.5	0.66	10.88	11.5	9.85	10.5	10.8							
100	0.30	10.55	13.7	9.85	10.1	10.3	0.47	11.21	12.6	10.5	10.4	10.5							
105	0.15	9.04	13.4	10.1	9.91	9.95	0.40	10.94	13.8	11.2	10.9	10.9							
110	0.14	6.47	11.8	9.84	9.68	9.65	0.45	9.00	13.3	10.9	10.7	10.8							
115	0.19	3.97	9.70	8.99	8.98	9.00	0.54	5.80	11.4	9.81	9.69	9.82							
120	0.26	2.74	7.50	7.82	7.96	8.01	0.57	3.51	9.29	8.34	8.26	8.41							
125	0.34	1.76	5.56	6.51	6.73	6.80	0.57	2.12	6.57	6.68	6.68	6.83							
130	0.43	0.90	4.01	5.20	5.45	5.54	0.58	1.15	4.63	5.01	5.07	5.22							
135	0.54	0.74	2.60	3.92	4.21	4.30	0.60	0.66	3.03	3.53	3.63	3.76							
140	0.67	0.90	1.88	2.84	3.14	3.24	0.63	0.64	1.90	2.34	2.51	2.63							
145	0.81	1.07	1.33	1.94	2.29	2.41	0.68	0.78	1.14	1.53	1.73	1.83							
150	0.95	1.24	1.32	1.48	1.80	1.92	0.82	0.95	0.92	1.07	1.25	1.33							
155	1.08	1.39	1.49	1.35	1.52	1.60	0.96	1.14	1.08	0.99	1.07	1.11							
160	1.18	1.48	1.60	1.37	1.48	1.54	1.08	1.34	1.29	1.14	1.17	1.17							
165	1.27	1.54	1.63	1.44	1.45	1.48	1.19	1.51	1.48	1.27	1.27	1.27							
170	1.36	1.60	1.61	1.45	1.44	1.45	1.31	1.66	1.63	1.34	1.31	1.31							
175	1.48	1.74	1.68	1.44	1.45	1.46	1.44	1.79	1.73	1.41	1.39	1.39							
180	1.55	1.88	1.78	1.46	1.46	1.46	1.55	1.88	1.78	1.46	1.46	1.47							

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