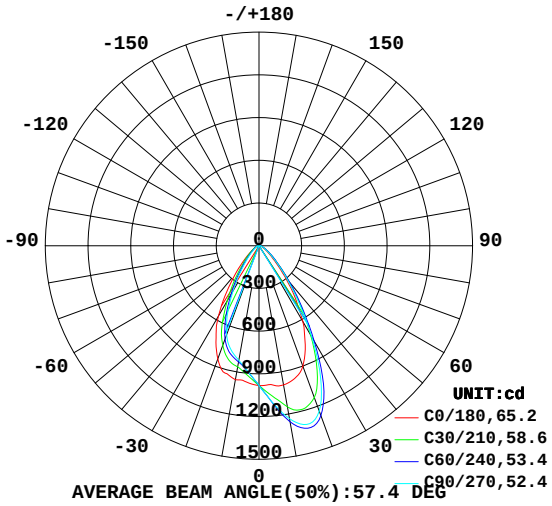
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-

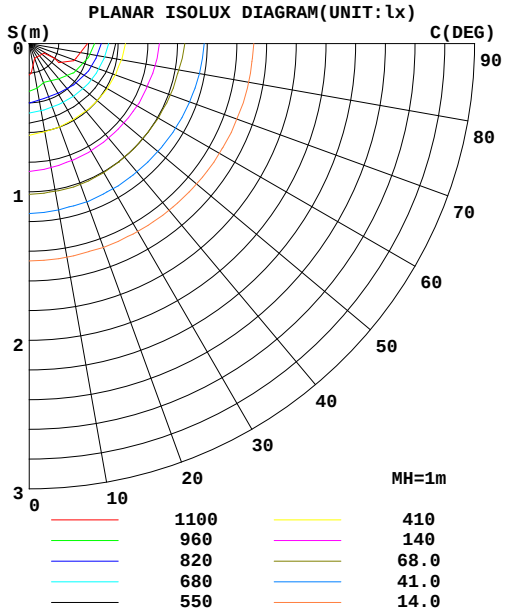
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 73.69 lm/W	
MODEL	HCP-3564182	Imax(cd)	1328	S/MH(C0/180)	0.99
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1265.5	η UP,DN(C0-180)	1.1,58.1
NOMINAL FLUX(lm)	1265.47	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.1,39.6
LAMPS INSIDE	1	η up(%)	2.3	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	η down(%)	97.7	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):57.4 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	992.1	1201	1232	1119	955.1	846.2	817.9	886.3	0- 10	94.99	94.99	7.51,7.51
20	900.3	1203	1236	1088	846.2	720.8	665.9	755.8	10- 20	279.8	374.7	29.6,29.6
30	616.0	753.0	745.3	709.8	569.3	420.0	362.2	476.0	20- 30	351.4	726.1	57.4,57.4
40	281.5	331.2	310.6	319.8	260.4	181.7	142.0	216.0	30- 40	251.2	977.3	77.2,77.2
50	107.4	136.7	126.0	134.3	99.74	81.55	61.90	92.88	40- 50	130.1	1107	87.5,87.5
60	44.88	61.91	54.72	60.56	42.15	41.26	30.80	45.14	50- 60	65.09	1172	92.7,92.7
70	20.49	31.40	26.26	30.61	20.14	24.15	17.19	24.94	60- 70	35.07	1208	95.4,95.4
80	8.229	16.01	13.00	15.93	8.052	13.92	9.993	13.90	70- 80	19.40	1227	97,97
90	0.8876	8.009	6.618	7.945	0.9236	6.947	5.331	6.921	80- 90	9.800	1237	97.7,97.7
100	0.3132	6.876	6.052	6.395	0.2357	5.843	5.127	5.566	90-100	5.567	1242	98.2,98.2
110	0.3971	5.798	6.731	5.325	0.3326	4.931	5.620	4.401	100-110	4.965	1247	98.6,98.6
120	0.8460	4.355	7.153	4.096	0.7906	3.798	5.606	3.436	110-120	3.973	1251	98.9,98.9
130	1.686	3.404	6.108	3.339	1.658	3.560	5.358	3.364	120-130	3.234	1255	99.1,99.1
140	2.976	3.106	3.406	3.461	3.002	4.524	4.460	4.336	130-140	2.734	1257	99.3,99.3
150	4.396	4.794	3.604	5.166	4.498	6.927	5.684	6.398	140-150	2.769	1260	99.6,99.6
160	5.233	6.297	5.067	6.790	5.362	8.500	7.063	7.544	150-160	2.793	1263	99.8,99.8
170	5.835	7.274	5.871	7.904	5.886	8.404	6.583	8.015	160-170	1.958	1265	99.9,99.9
180	6.687	8.721	7.019	8.902	6.752	8.709	7.004	8.903	170-180	0.7133	1265	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1053.9 lm

%lum = 83.3%
%lamp = 83.3%

Conical surface Flux(120deg): 1172.5 lm

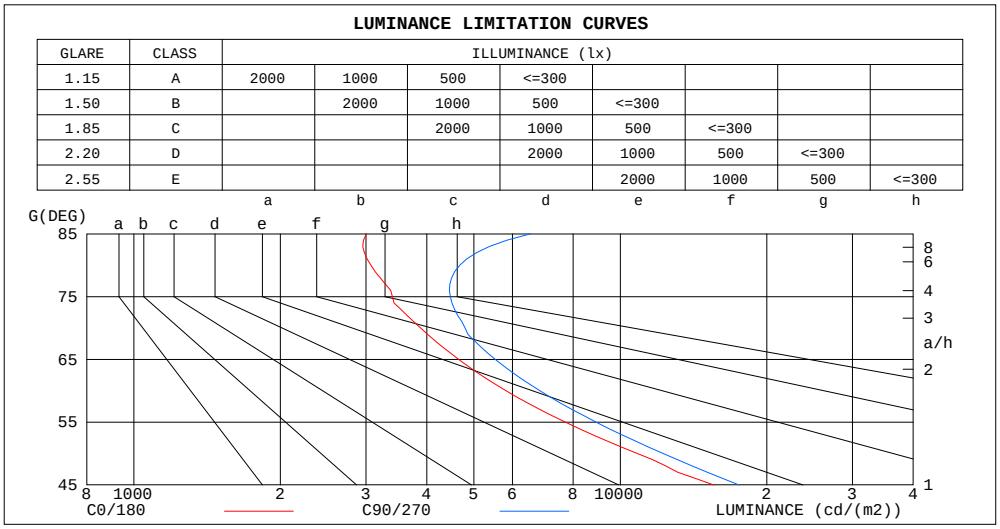
%lum = 92.7%
%lamp = 92.7%

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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3006	6534
80	3072	4675
75	3400	4471
70	3883	4795
65	4650	5530
60	5818	6833
55	7708	8908
50	10830	12238
45	15559	17531

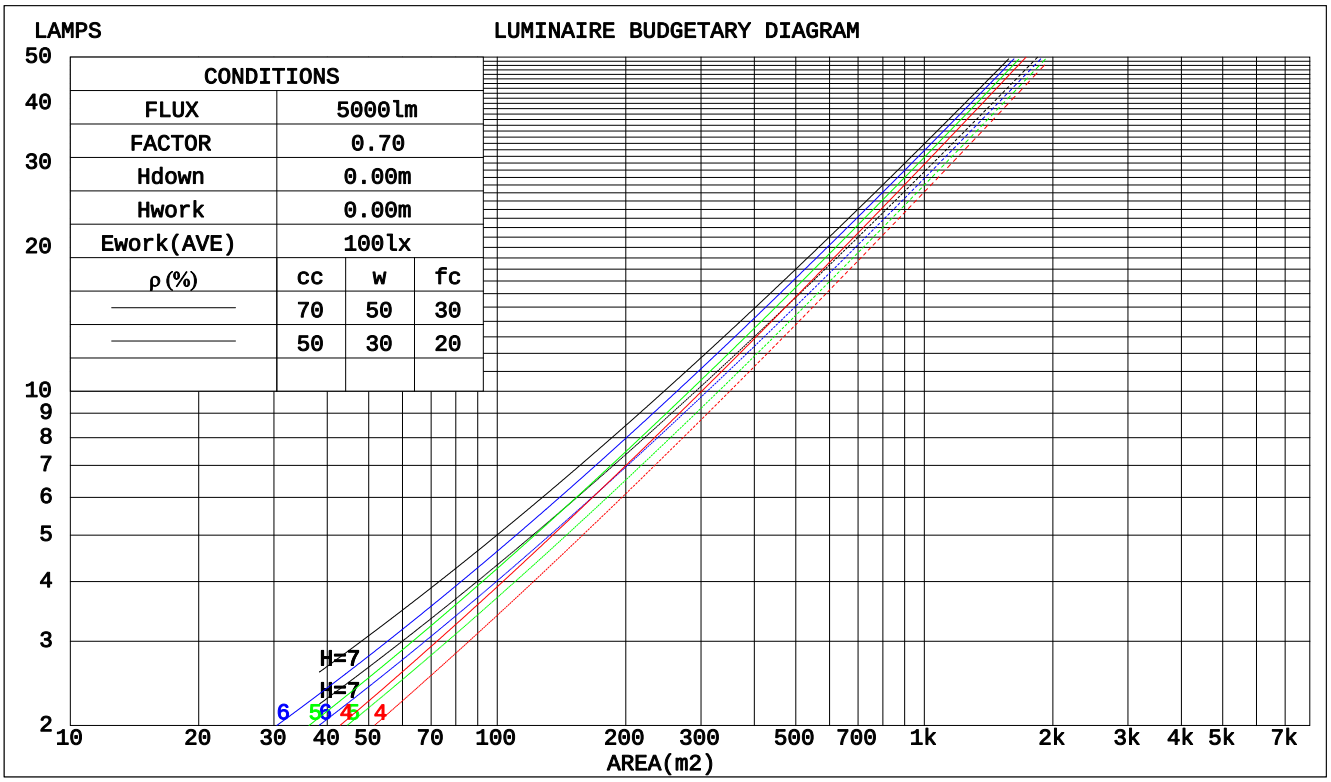
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*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	1.19	1.19	1.19	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.08	1.05	1.03	1.06	1.03	1.01	1.01	.99	.97	.97	.95	.94	.93	.92	.91	.89
2.0	.99	.94	.90	.97	.93	.89	.93	.90	.87	.90	.87	.84	.87	.84	.82	.80
3.0	.91	.85	.80	.89	.84	.80	.86	.82	.78	.83	.80	.76	.81	.78	.75	.73
4.0	.84	.77	.72	.82	.76	.72	.80	.75	.71	.78	.73	.70	.75	.72	.69	.67
5.0	.77	.71	.66	.76	.70	.65	.74	.69	.65	.72	.67	.64	.70	.66	.63	.61
6.0	.72	.65	.60	.71	.65	.60	.69	.63	.59	.67	.62	.59	.66	.61	.58	.56
7.0	.67	.60	.55	.66	.60	.55	.65	.59	.55	.63	.58	.54	.62	.57	.54	.52
8.0	.63	.56	.51	.62	.55	.51	.60	.55	.51	.59	.54	.50	.58	.53	.50	.48
9.0	.59	.52	.48	.58	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.45
10.0	.55	.49	.44	.55	.48	.44	.53	.48	.44	.53	.47	.44	.52	.47	.43	.42



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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*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	.215	.122	.039	.208	.119	.038	.194	.111	.035	.181	.104	.033	.169	.098	.032	
2.0	.204	.112	.034	.198	.109	.034	.186	.103	.032	.174	.098	.031	.164	.093	.029	
3.0	.192	.102	.031	.187	.100	.030	.176	.096	.029	.167	.091	.028	.158	.087	.027	
4.0	.181	.094	.028	.177	.092	.027	.167	.089	.027	.159	.085	.026	.151	.082	.025	
5.0	.171	.087	.025	.167	.086	.025	.159	.083	.024	.151	.080	.024	.144	.077	.023	
6.0	.162	.081	.023	.158	.080	.023	.151	.077	.023	.144	.075	.022	.138	.073	.022	
7.0	.154	.076	.022	.150	.075	.021	.144	.073	.021	.138	.071	.021	.132	.069	.020	
8.0	.146	.071	.020	.143	.070	.020	.137	.068	.020	.131	.067	.019	.126	.065	.019	
9.0	.139	.067	.019	.136	.066	.019	.131	.065	.018	.126	.063	.018	.121	.061	.018	
10.0	.132	.063	.018	.130	.063	.017	.125	.061	.017	.120	.060	.017	.116	.058	.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	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.191	.174	.159	.164	.150	.137	.112	.103	.095	.064	.060	.055	.021	.019	.018	
2.0	.178	.150	.126	.153	.129	.109	.105	.089	.076	.060	.052	.045	.019	.017	.015	
3.0	.167	.131	.103	.143	.113	.089	.098	.079	.063	.057	.046	.037	.018	.015	.012	
4.0	.158	.117	.086	.135	.101	.075	.093	.071	.053	.054	.041	.031	.017	.013	.010	
5.0	.150	.106	.074	.129	.092	.064	.089	.064	.045	.051	.038	.027	.017	.012	.009	
6.0	.143	.097	.064	.123	.084	.056	.085	.059	.040	.049	.035	.024	.016	.011	.008	
7.0	.136	.090	.057	.117	.078	.050	.081	.055	.035	.047	.032	.021	.015	.011	.007	
8.0	.130	.084	.052	.112	.073	.045	.078	.051	.032	.045	.030	.019	.015	.010	.006	
9.0	.125	.079	.047	.108	.068	.041	.075	.048	.029	.044	.028	.017	.014	.009	.006	
10.0	.120	.074	.044	.104	.065	.038	.072	.045	.027	.042	.027	.016	.014	.009	.005	

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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*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	18.8	19.9	19.0	20.1	20.3	19.3	20.3	19.5	20.6	20.8
3H	19.0	20.0	19.3	20.3	20.5	19.5	20.5	19.8	20.8	21.0
4H	19.1	20.0	19.4	20.3	20.6	19.7	20.6	20.0	20.9	21.1
6H	19.2	20.0	19.5	20.3	20.6	19.8	20.7	20.1	21.0	21.3
8H	19.2	20.0	19.5	20.3	20.6	19.9	20.7	20.2	21.0	21.3
12H	19.2	20.0	19.5	20.3	20.6	20.0	20.8	20.3	21.1	21.4
4H 2H	18.8	19.7	19.1	20.0	20.3	19.2	20.2	19.6	20.4	20.7
3H	19.2	20.0	19.5	20.3	20.6	19.6	20.5	20.0	20.8	21.1
4H	19.4	20.1	19.8	20.5	20.8	19.9	20.6	20.3	21.0	21.3
6H	19.5	20.2	20.0	20.6	21.0	20.1	20.8	20.5	21.2	21.6
8H	19.6	20.2	20.0	20.6	21.0	20.3	20.9	20.7	21.3	21.7
12H	19.7	20.2	20.1	20.6	21.1	20.5	21.0	20.9	21.4	21.9
8H 4H	19.4	20.0	19.9	20.4	20.9	19.9	20.5	20.3	20.9	21.3
6H	19.7	20.2	20.2	20.7	21.1	20.3	20.8	20.7	21.2	21.7
8H	19.9	20.3	20.4	20.8	21.3	20.5	21.0	21.0	21.4	21.9
12H	20.0	20.4	20.5	20.9	21.4	20.8	21.2	21.3	21.7	22.2
12H 4H	19.4	20.0	19.9	20.4	20.8	19.9	20.4	20.3	20.8	21.3
6H	19.8	20.2	20.3	20.7	21.2	20.3	20.7	20.8	21.2	21.7
8H	20.0	20.4	20.5	20.8	21.4	20.6	21.0	21.1	21.5	22.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 1.6					+ 1.3 / - 1.4				
1.5H	+ 2.3 / - 1.3					+ 2.3 / - 1.2				
2.0H	+ 2.2 / - 1.2					+ 2.3 / - 1.2				

CIE Pub.117, 1265 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.8)
Area: 0.01845 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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-

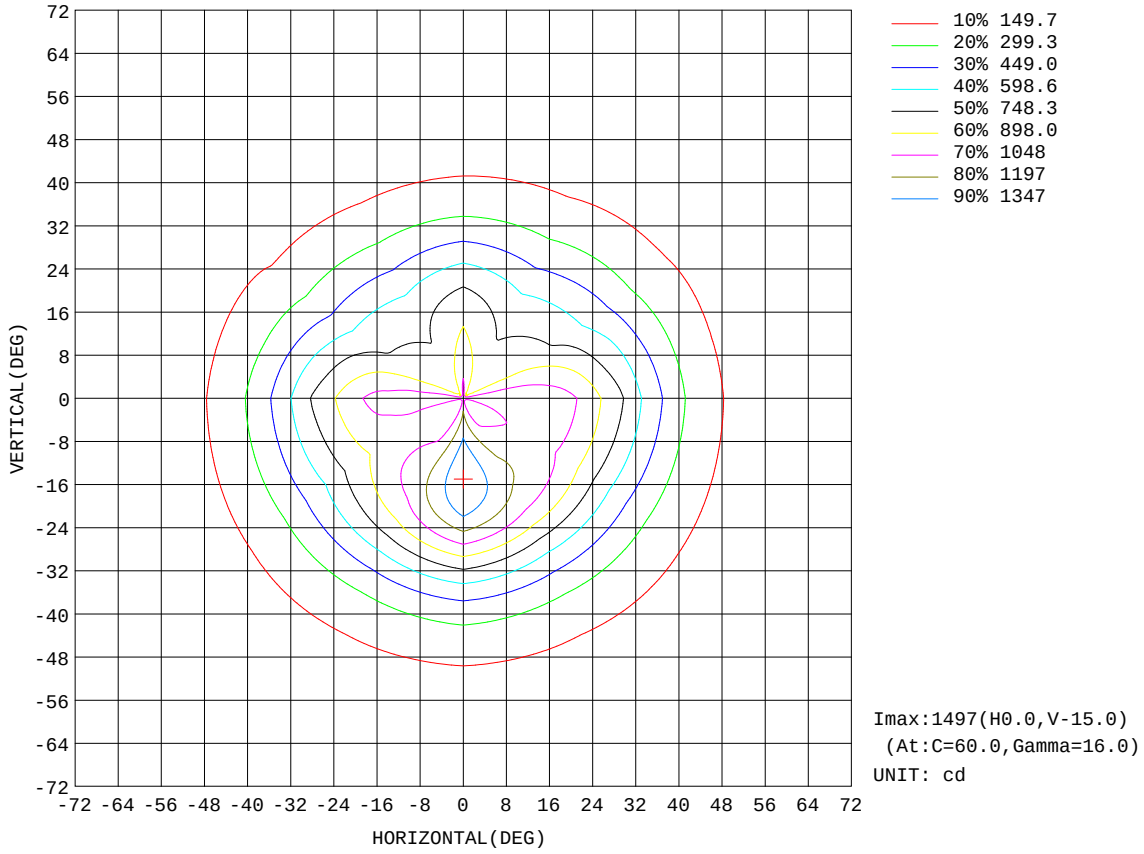
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	77	69	64	77	69	64	76	69	64	60
0.80	86	78	73	85	78	73	83	77	73	68
1.00	92	84	80	91	84	79	89	84	79	74
1.25	97	90	85	95	89	85	93	88	84	79
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	94	102	97	93	99	95	92	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	102	99	97	89
4.00	111	107	104	109	105	103	104	102	100	91
5.00	112	109	107	110	107	105	106	103	102	93
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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-



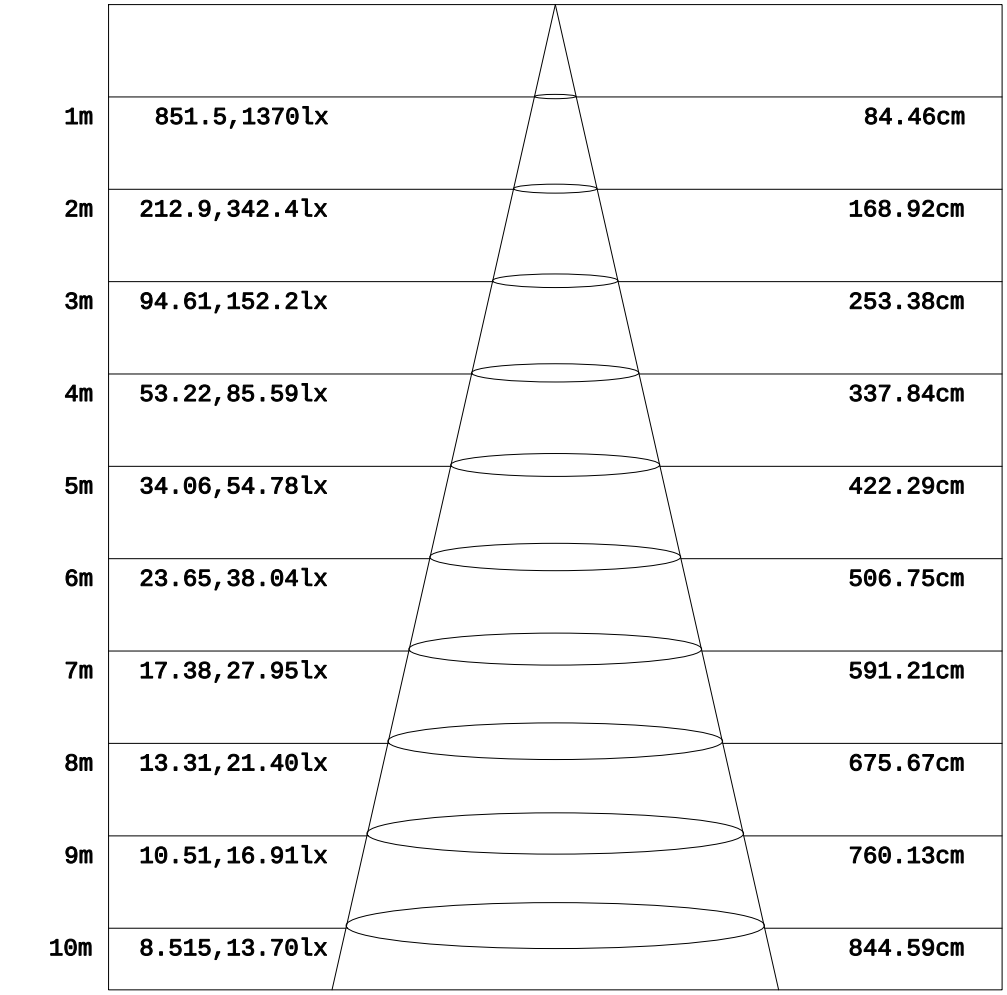
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2021-12-27

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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-

Flux out:482.0 lm



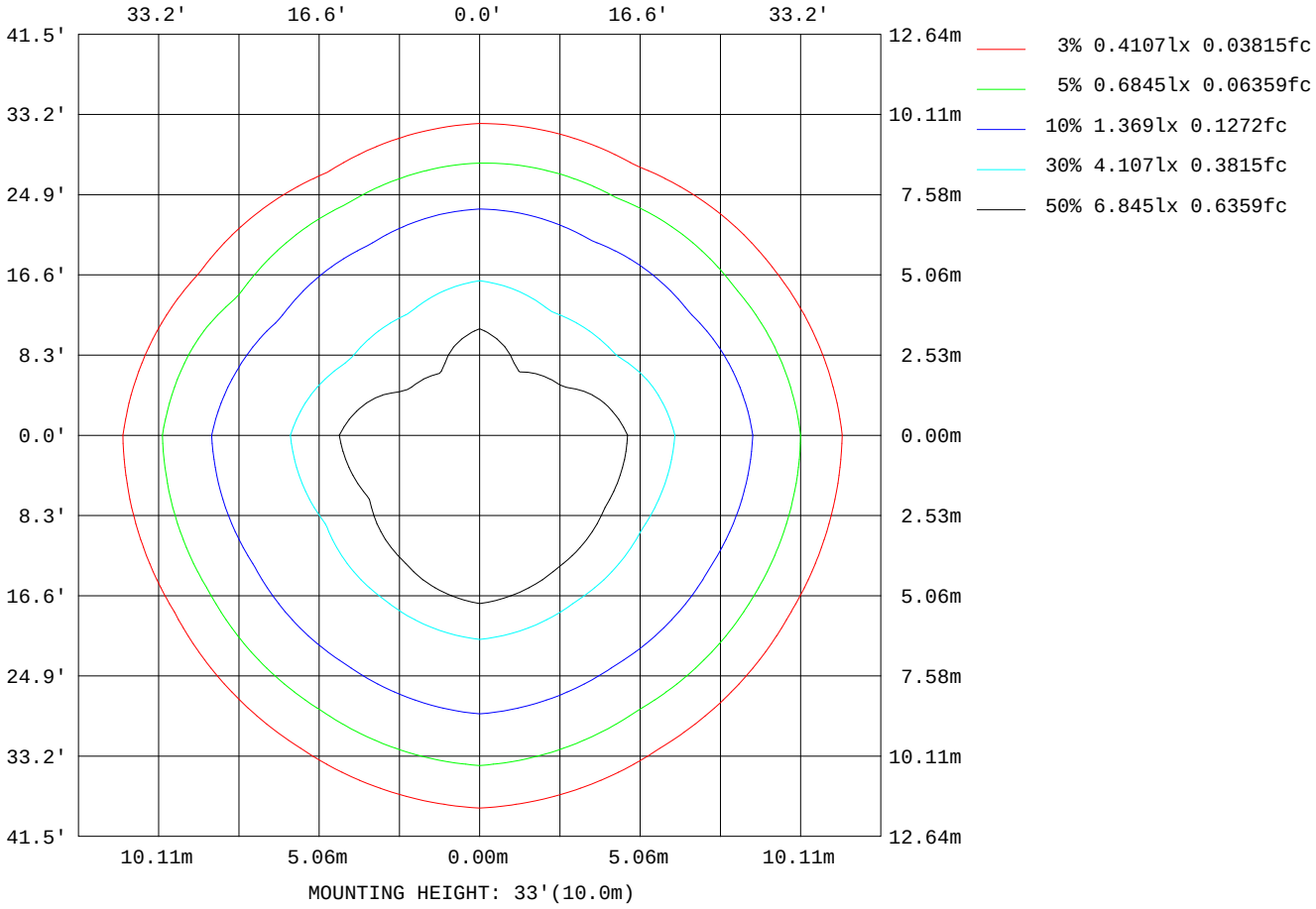
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-

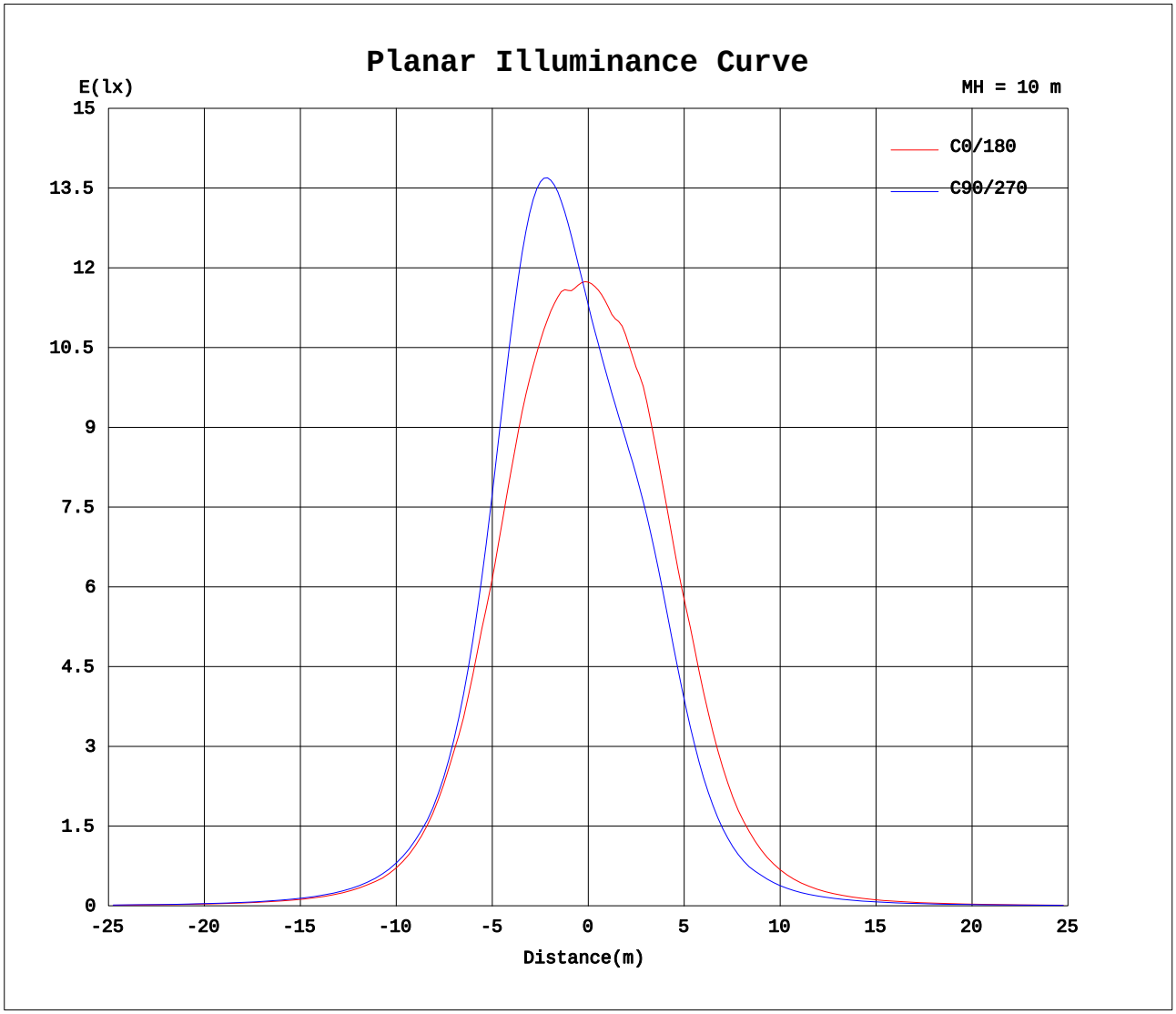
AvgL	cd/m2
L_0~180(65)av	3786
L_0~180(75)av	2825
L_0~180(85)av	2496
L_90~270(65)av	3865
L_90~270(75)av	3349
L_90~270(85)av	5063
L_45(65)av	5044
L_45(75)av	4412
L_45(85)av	7055

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
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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:23.882V I:0.7190A P:17.172W PF:1.0000 Freq:0Hz Lamp Flux:1265.47x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1025mm*18mm	Shielding Angle:-

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	981	981	981	981	981	981	981	981	981	981	981	981
5	979	1059	1110	1106	1073	1027	963	915	889	887	907	948
10	992	1149	1254	1232	1170	1068	955	864	829	818	848	925
15	966	1188	1327	1299	1237	1056	926	828	783	758	788	890
20	900	1136	1270	1236	1183	993	846	744	698	666	706	805
25	768	966	1072	1025	1010	847	714	615	551	521	572	681
30	616	726	780	745	764	656	569	448	392	362	413	539
35	442	508	525	493	517	470	398	309	262	230	283	375
40	281	327	335	311	330	309	260	197	167	142	186	246
45	170	211	210	199	214	200	161	137	106	93.7	119	161
50	107	134	140	126	140	129	99.7	90.4	72.6	61.9	78.1	108
55	68.2	88.2	93.1	81.8	93.0	85.0	63.6	62.1	51.9	42.8	55.1	72.8
60	44.9	60.5	63.4	54.7	63.1	58.0	42.1	44.7	37.8	30.8	39.6	50.7
65	30.3	43.1	44.4	37.4	44.0	41.3	28.7	33.9	29.7	22.8	30.7	36.6
70	20.5	31.8	31.0	26.3	30.8	30.4	20.1	25.1	23.2	17.2	23.7	26.2
75	13.6	22.5	21.8	18.5	22.1	21.6	13.4	18.4	17.9	13.4	18.2	18.7
80	8.23	15.8	16.2	13.0	16.6	15.2	8.05	14.0	13.8	9.99	13.9	13.9
85	4.04	10.9	11.6	9.12	12.1	10.42	3.99	9.86	9.99	7.16	10.28	9.53
90	0.89	7.40	8.61	6.62	8.97	6.92	0.92	6.60	7.30	5.33	7.60	6.24
95	0.29	6.27	7.95	5.86	7.81	5.45	0.27	5.45	6.62	4.93	6.83	4.95
100	0.31	5.58	8.17	6.05	7.89	4.90	0.24	4.97	6.72	5.13	6.75	4.38
105	0.35	4.67	8.38	6.41	7.91	4.11	0.22	4.30	6.76	5.43	6.66	3.57
110	0.40	3.63	7.97	6.73	7.63	3.01	0.33	3.31	6.55	5.62	6.33	2.46
115	0.58	2.53	6.41	7.01	7.18	2.00	0.52	2.39	6.18	5.69	5.92	1.77
120	0.85	1.73	6.98	7.15	6.58	1.60	0.79	1.88	5.71	5.61	5.43	1.44
125	1.21	1.51	6.17	6.82	5.42	1.60	1.16	1.87	5.16	5.50	4.89	1.64
130	1.69	1.79	5.02	6.11	4.65	2.03	1.66	2.38	4.74	5.36	4.48	2.25
135	2.28	2.43	3.62	5.10	3.60	2.73	2.28	3.29	4.37	4.98	4.22	3.07
140	2.98	3.22	2.99	3.41	3.34	3.58	3.00	4.37	4.68	4.46	4.65	4.02
145	3.72	4.11	3.68	3.03	3.90	4.54	3.78	5.55	5.80	4.70	5.73	5.02
150	4.40	4.98	4.60	3.60	4.84	5.49	4.50	6.69	7.16	5.68	6.87	5.92
155	4.91	5.76	5.51	4.39	5.79	6.32	5.05	7.57	8.31	6.60	7.70	6.62
160	5.23	6.35	6.24	5.07	6.61	6.97	5.36	8.00	9.00	7.06	8.04	7.04
165	5.48	6.79	6.78	5.55	7.27	7.51	5.58	8.16	9.02	6.98	8.05	7.41
170	5.84	7.30	7.25	5.87	7.81	8.00	5.89	8.19	8.62	6.58	8.09	7.94
175	6.32	8.01	7.98	6.49	8.34	8.53	6.34	8.51	8.48	6.77	8.56	8.55
180	6.69	8.78	8.66	7.02	8.88	8.92	6.75	8.73	8.69	7.00	8.88	8.92

C Range: 0 - 360DEG
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