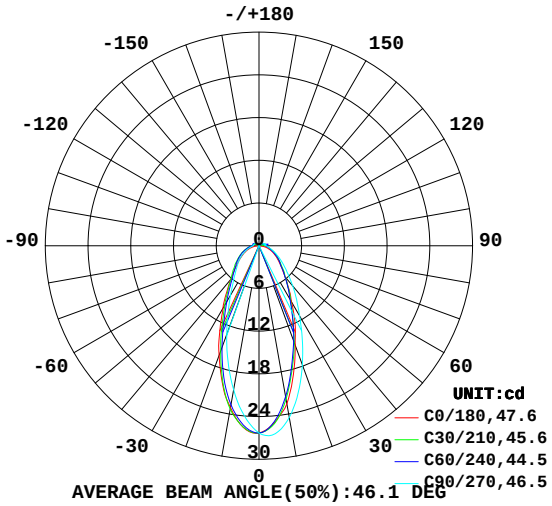
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

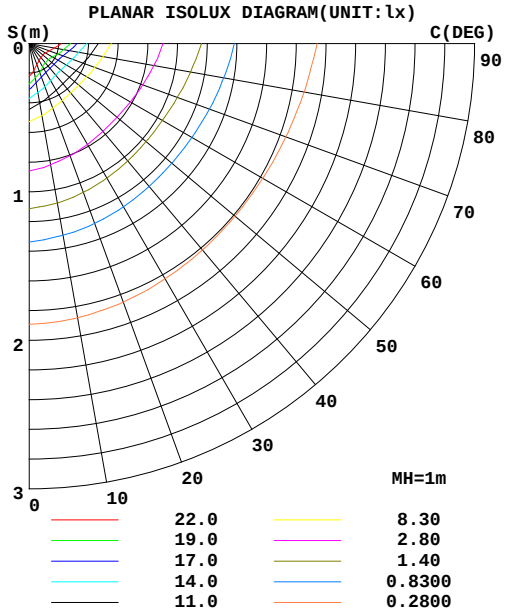
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 18.20 lm/W	
MODEL	HCP-3564080 BLUE	Imax(cd)	26.78	S/MH(C0/180)	0.69
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	33.100	η UP,DN(C0-180)	3.6,48.7
NOMINAL FLUX(lm)	33.1004	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.7,43.9
LAMPS INSIDE	1	η up(%)	7.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	24	η down(%)	92.6	CIBSE SHR MAX	0.85

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):46.1 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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	22.56	21.70	24.49	24.73	23.08	22.99	20.55	20.65	0- 10	2.323	2.323	7.02,7.02
20	14.91	14.36	17.81	18.52	16.42	15.49	13.27	13.52	10- 20	5.303	7.626	23,23
30	9.200	8.825	11.43	12.48	10.12	9.346	8.009	8.140	20- 30	5.669	13.29	40.2,40.2
40	5.708	5.718	7.387	8.071	6.164	5.951	5.273	5.388	30- 40	4.875	18.17	54.9,54.9
50	3.791	3.950	4.775	5.220	3.995	4.360	3.874	3.919	40- 50	3.982	22.15	66.9,66.9
60	2.613	2.850	3.197	3.473	2.711	3.252	2.823	2.826	50- 60	3.227	25.38	76.7,76.7
70	1.641	1.971	2.095	2.255	1.724	2.342	1.925	1.923	60- 70	2.470	27.85	84.1,84.1
80	0.6714	1.340	1.387	1.492	0.7539	1.570	1.258	1.270	70- 80	1.717	29.57	89.3,89.3
90	0.0005	0.9447	1.046	1.130	0.0164	1.001	0.8602	0.8821	80- 90	1.091	30.66	92.6,92.6
100	0	0.9228	1.013	0.9883	0	0.8590	0.7568	0.7614	90-100	0.7844	31.44	95,95
110	0	0.5724	0.8940	0.9097	0	0.7675	0.7700	0.7650	100-110	0.7003	32.14	97.1,97.1
120	0	0.2603	0.6494	0.6891	0	0.4821	0.6143	0.6080	110-120	0.5145	32.66	98.7,98.7
130	0	0.0703	0.3300	0.3655	0	0.2298	0.3904	0.3901	120-130	0.2935	32.95	99.5,99.5
140	0	0	0.0811	0.1062	0	0.0787	0.1856	0.1884	130-140	0.1185	33.07	99.9,99.9
150	0	0	0	0.0048	0	0.0041	0.0439	0.0523	140-150	0.0275	33.10	100,100
160	0	0	0	0	0	0.0022	0.0145	0.0123	150-160	0.0026	33.10	100,100
170	0.0058	0.0047	0.0060	0.0023	0.0013	0.0168	0.0141	0.0115	160-170	0.0016	33.10	100,100
180	0.0246	0.0231	0.0116	0.0095	0.0237	0.0209	0.0106	0.0097	170-180	0.0010	33.10	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 20.262 lm

%lum = 61.2%
%lamp = 61.2%

Conical surface Flux(120deg): 25.379 lm

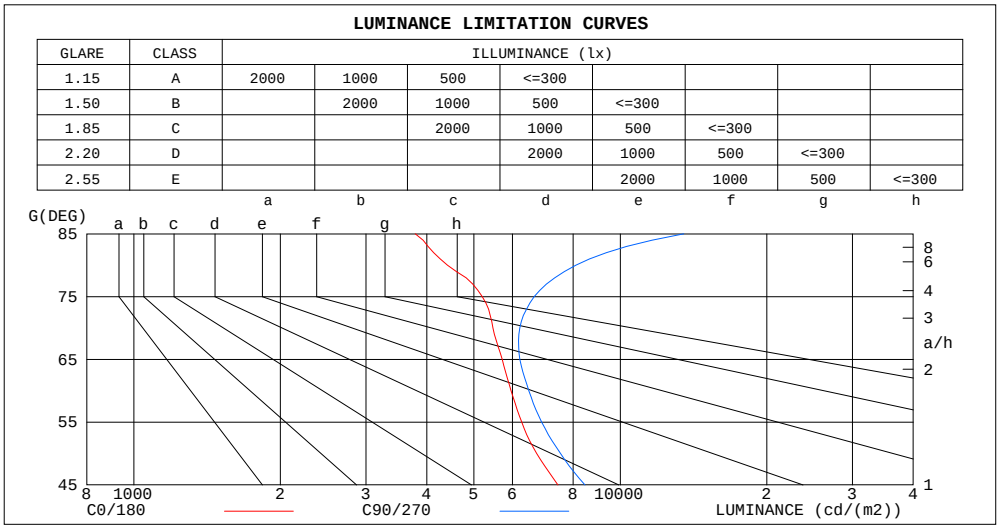
%lum = 76.7%
%lamp = 76.7%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 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	3789	13497
80	4412	8099
75	5202	6654
70	5473	6212
65	5716	6212
60	5962	6484
55	6270	6890
50	6730	7533
45	7441	8461

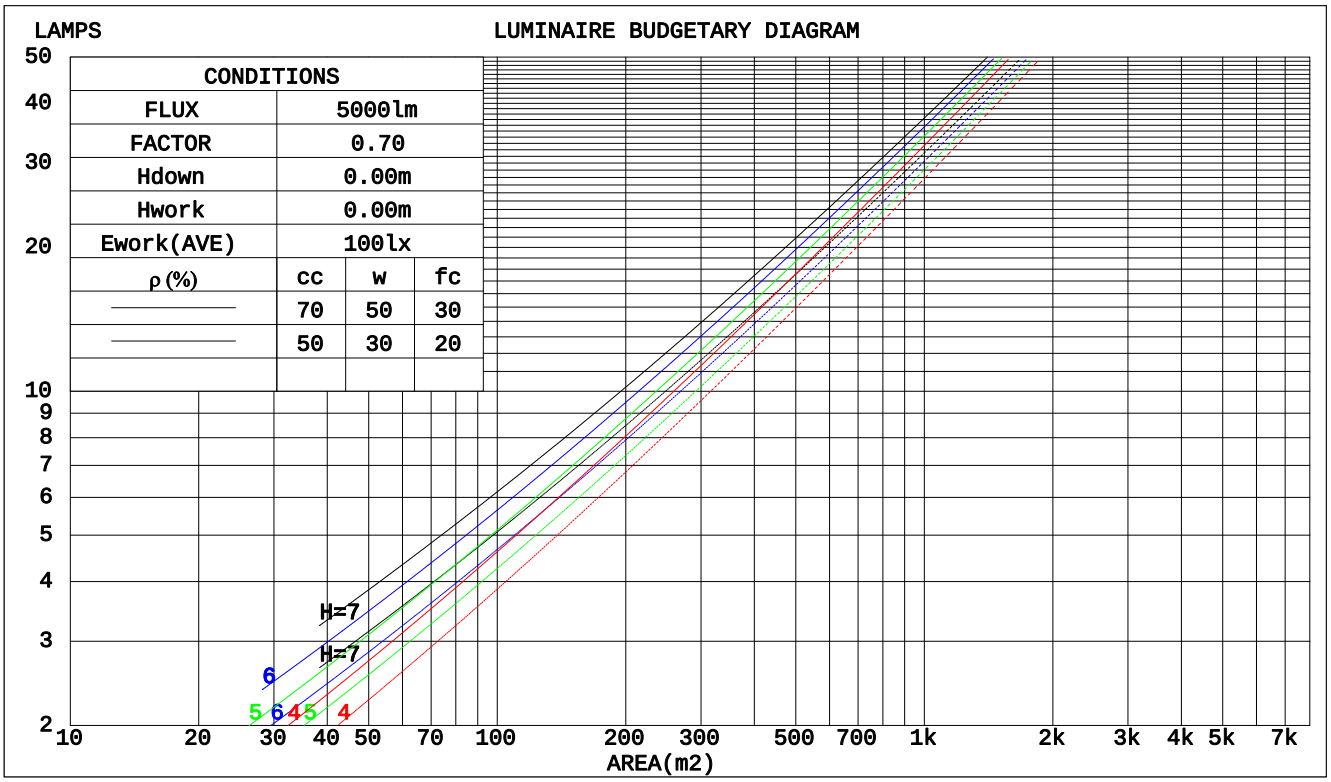
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 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	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.93
1.0	1.03	.99	.96	1.00	.97	.93	.95	.92	.89	.90	.87	.85	.85	.83	.81	.79
2.0	.92	.86	.81	.89	.84	.79	.85	.80	.76	.80	.77	.73	.76	.73	.71	.68
3.0	.83	.75	.69	.80	.74	.68	.77	.71	.66	.73	.68	.64	.69	.66	.62	.60
4.0	.75	.67	.61	.73	.66	.60	.70	.63	.59	.67	.61	.57	.64	.59	.56	.53
5.0	.68	.60	.54	.67	.59	.54	.64	.57	.52	.61	.56	.51	.59	.54	.50	.48
6.0	.63	.55	.49	.61	.54	.48	.59	.52	.47	.56	.51	.46	.54	.49	.46	.44
7.0	.58	.50	.44	.57	.49	.44	.54	.48	.43	.52	.47	.43	.51	.46	.42	.40
8.0	.54	.46	.41	.53	.45	.40	.51	.44	.40	.49	.43	.39	.47	.42	.38	.37
9.0	.50	.43	.38	.49	.42	.37	.47	.41	.37	.46	.40	.36	.44	.39	.36	.34
10.0	.47	.40	.35	.46	.39	.35	.45	.38	.34	.43	.38	.34	.42	.37	.33	.32



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 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						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.287	.163	.052	.278	.159	.050	.261	.150	.048	.245	.141	.045	.230	.133	.043	
2.0	.261	.143	.044	.252	.139	.043	.237	.132	.041	.223	.125	.039	.210	.119	.037	
3.0	.238	.127	.038	.231	.124	.037	.217	.118	.036	.205	.112	.034	.193	.107	.033	
4.0	.219	.114	.033	.213	.111	.033	.201	.106	.032	.189	.102	.031	.179	.097	.030	
5.0	.203	.103	.030	.197	.101	.029	.186	.097	.029	.176	.093	.028	.166	.089	.027	
6.0	.188	.094	.027	.183	.093	.027	.173	.089	.026	.164	.085	.025	.156	.082	.024	
7.0	.176	.087	.025	.171	.085	.024	.162	.082	.024	.154	.079	.023	.146	.076	.022	
8.0	.165	.080	.023	.161	.079	.022	.152	.076	.022	.145	.073	.021	.138	.071	.021	
9.0	.155	.075	.021	.151	.074	.021	.144	.071	.020	.137	.069	.020	.130	.066	.019	
10.0	.146	.070	.019	.143	.069	.019	.136	.067	.019	.130	.064	.018	.124	.062	.018	

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	.247	.247	.247	.211	.211	.211	.144	.144	.144	.083	.083	.083	.026	.026	.026	
1.0	.235	.213	.193	.201	.183	.166	.138	.126	.115	.079	.073	.067	.025	.023	.022	
2.0	.225	.189	.159	.193	.163	.137	.132	.113	.096	.076	.066	.056	.024	.021	.018	
3.0	.216	.171	.136	.185	.148	.118	.127	.103	.083	.073	.060	.049	.024	.019	.016	
4.0	.207	.158	.120	.178	.137	.105	.122	.095	.074	.071	.056	.044	.023	.018	.014	
5.0	.199	.147	.109	.171	.127	.095	.118	.089	.067	.068	.052	.040	.022	.017	.013	
6.0	.192	.139	.101	.165	.120	.088	.114	.084	.062	.066	.049	.037	.021	.016	.012	
7.0	.185	.132	.095	.159	.114	.082	.110	.080	.058	.064	.047	.035	.021	.015	.011	
8.0	.179	.126	.090	.154	.109	.078	.106	.077	.055	.062	.045	.033	.020	.015	.011	
9.0	.173	.121	.086	.149	.105	.075	.103	.074	.053	.060	.044	.032	.019	.014	.011	
10.0	.167	.117	.083	.144	.101	.072	.100	.071	.051	.058	.042	.031	.019	.014	.010	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 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	17.1	18.4	17.5	18.7	19.0	17.4	18.6	17.8	19.0	19.3
3H	18.7	19.8	19.1	20.2	20.5	19.0	20.1	19.4	20.5	20.8
4H	19.4	20.4	19.8	20.8	21.2	19.8	20.9	20.2	21.3	21.7
6H	19.9	20.9	20.3	21.3	21.7	20.7	21.8	21.2	22.2	22.6
8H	20.0	21.0	20.5	21.4	21.8	21.3	22.3	21.7	22.7	23.1
12H	20.1	21.1	20.6	21.5	21.9	21.9	22.9	22.4	23.3	23.7
4H 2H	17.6	18.7	18.0	19.1	19.5	17.8	18.9	18.2	19.3	19.7
3H	19.4	20.4	19.9	20.8	21.2	19.6	20.5	20.0	21.0	21.4
4H	20.3	21.2	20.8	21.6	22.1	20.6	21.5	21.1	21.9	22.4
6H	21.0	21.8	21.5	22.3	22.8	21.7	22.5	22.2	23.0	23.5
8H	21.3	22.0	21.8	22.5	23.0	22.4	23.1	22.9	23.6	24.1
12H	21.5	22.1	22.0	22.6	23.2	23.2	23.8	23.7	24.4	24.9
8H 4H	20.7	21.4	21.2	21.9	22.4	20.9	21.7	21.5	22.1	22.7
6H	21.7	22.3	22.3	22.8	23.4	22.3	22.9	22.9	23.4	24.0
8H	22.2	22.7	22.8	23.3	23.9	23.1	23.7	23.7	24.2	24.8
12H	22.6	23.1	23.2	23.6	24.3	24.1	24.6	24.7	25.2	25.8
12H 4H	20.7	21.4	21.3	21.9	22.5	21.0	21.7	21.5	22.2	22.7
6H	21.9	22.4	22.5	23.0	23.6	22.5	23.0	23.0	23.6	24.2
8H	22.5	23.0	23.1	23.6	24.2	23.4	23.8	24.0	24.4	25.0
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 / - 0.2				
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117, 33.10 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -11.8)
Area: 0.001 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

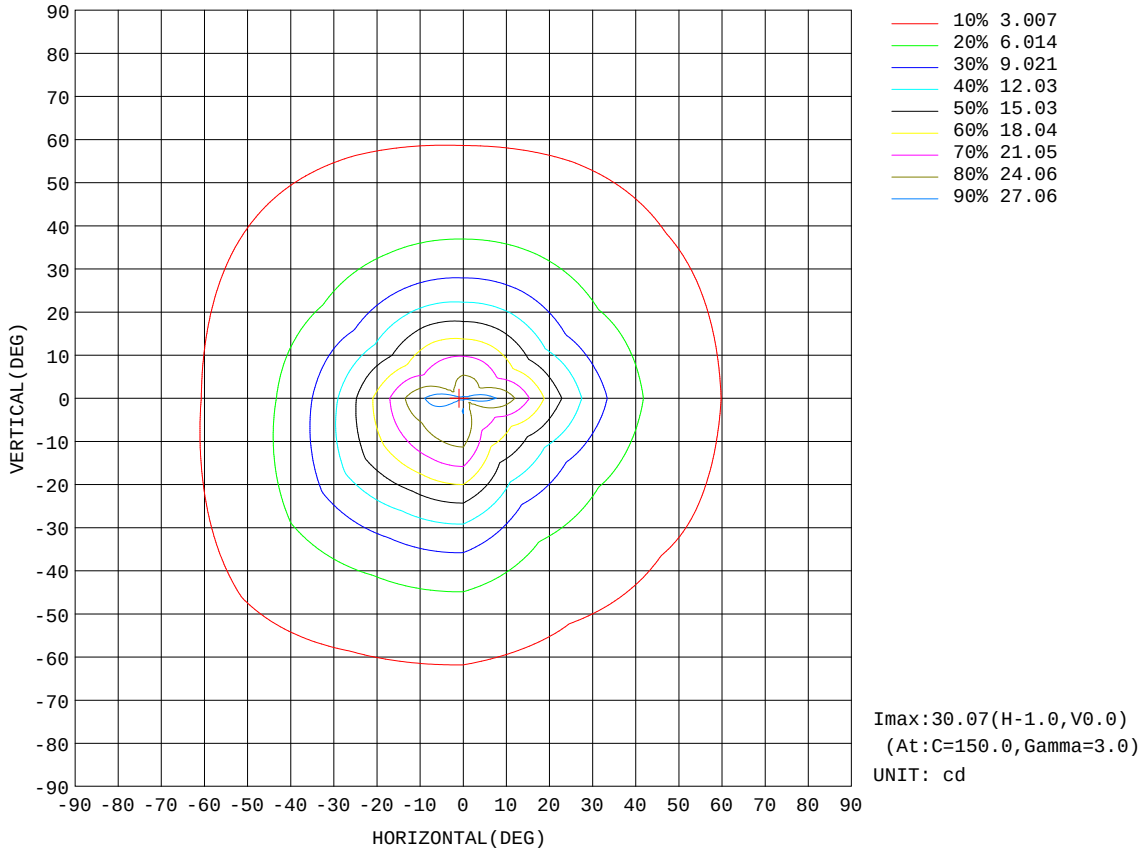
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	64	53	47	63	53	47	62	53	47	42
0.80	73	62	56	71	62	56	70	61	55	49
1.00	80	70	63	78	69	63	76	69	62	55
1.25	86	76	70	84	75	69	81	73	68	61
1.50	90	81	74	88	80	74	84	78	72	65
2.00	95	87	81	93	86	80	89	83	78	70
2.50	99	91	86	96	90	84	92	86	82	73
3.00	102	95	90	99	93	88	94	89	85	76
4.00	105	100	95	102	97	93	97	93	90	79
5.00	107	103	99	104	100	97	99	96	93	82
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:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-



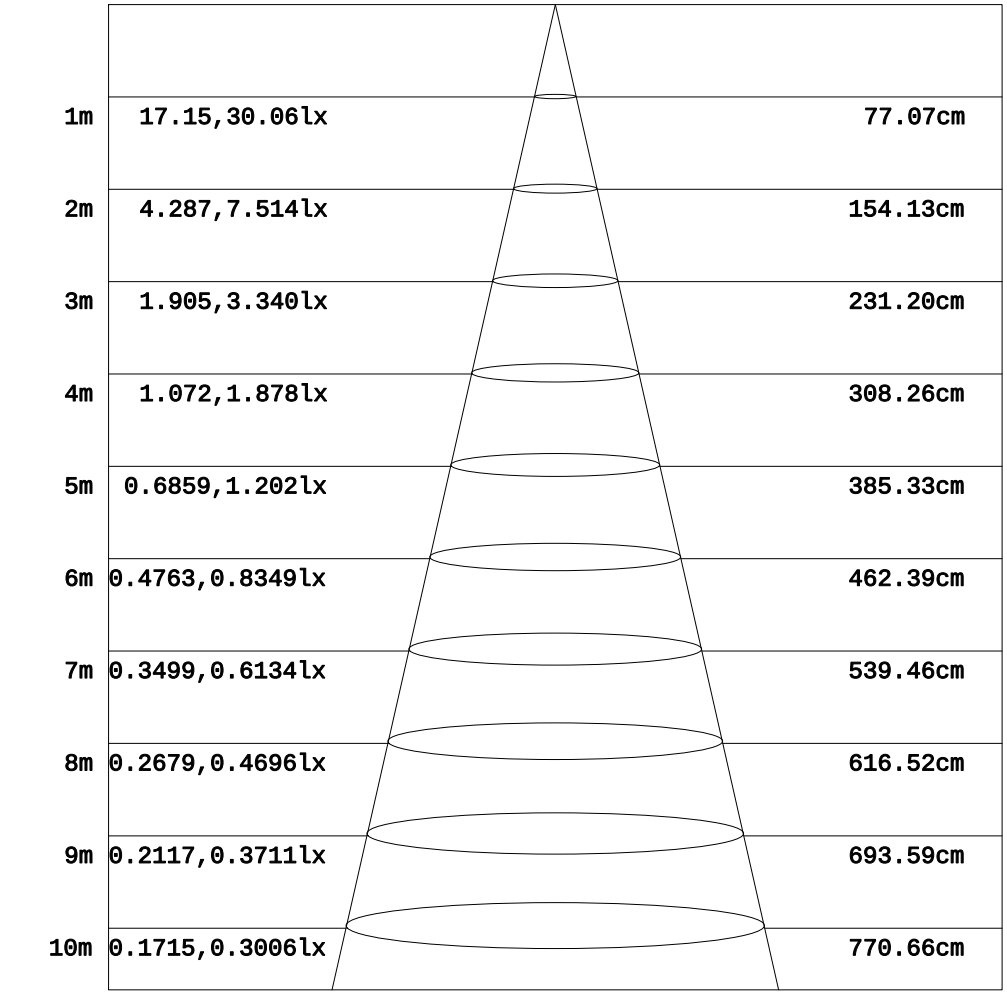
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

Flux out:8.793 lm



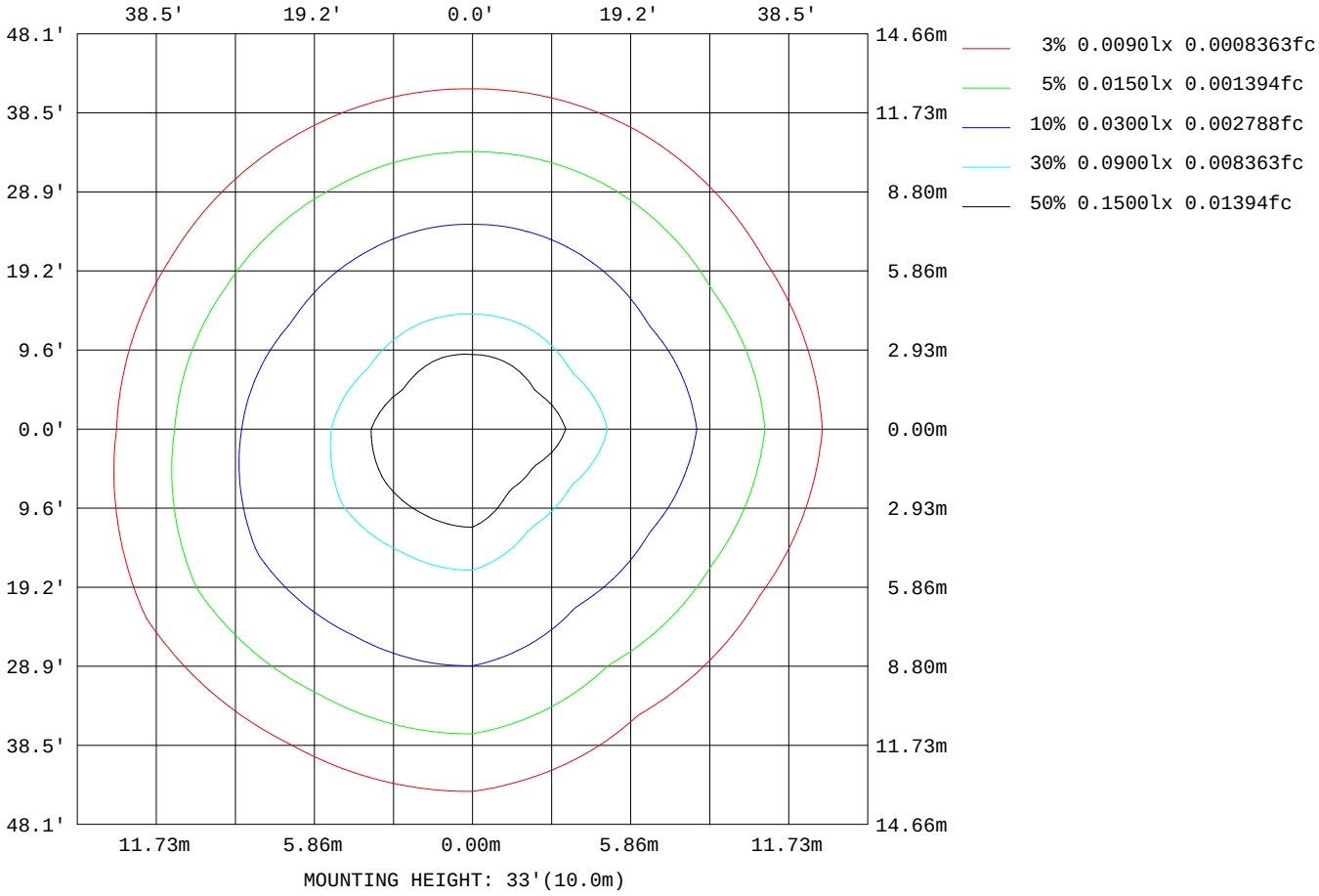
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Young
Test Date:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 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:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 lm		
NAME: LED Strip Light	TYPE:LED	WEIGHT:/
SPEC.:/	DIM.: /	SERIAL No.:1
MFR.: Havit Commercial	SUR.:1000mm*10mm	Shielding Angle:-

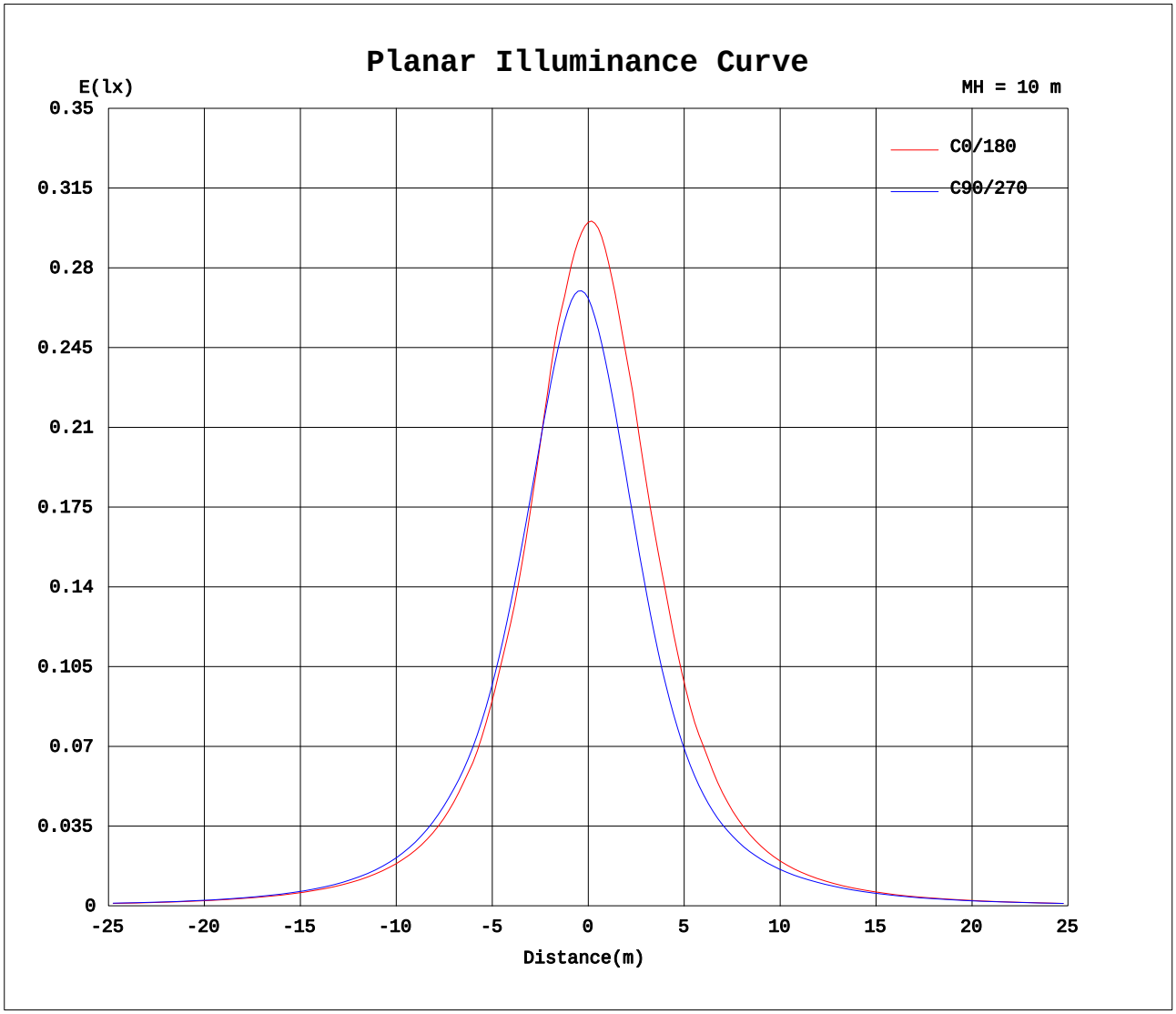
AvgL	cd/m2
L_0~180(65)av	5112
L_0~180(75)av	4707
L_0~180(85)av	3643
L_90~270(65)av	5846
L_90~270(75)av	6301
L_90~270(85)av	12538
L_45(65)av	6210
L_45(75)av	6880
L_45(85)av	14035

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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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:2022-01-19

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:23.947V I:0.0759A P:1.8186W PF:1.0000 Freq:0Hz Lamp Flux:33.1004x1 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

C(DEG) / γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
5	24.9	25.1	24.8	26.5	26.5	26.6	25.6	25.6	25.3	23.9	24.0	24.0
10	22.6	21.9	21.5	24.5	24.5	25.0	23.1	23.3	22.7	20.6	20.6	20.7
15	18.7	18.0	17.7	21.4	21.4	22.2	19.9	19.7	19.1	16.8	17.0	17.1
20	14.9	14.5	14.3	17.8	17.9	19.1	16.4	15.8	15.2	13.3	13.5	13.6
25	12.0	11.2	11.2	14.4	14.6	16.1	13.0	12.3	11.7	10.3	10.5	10.5
30	9.20	8.91	8.74	11.4	11.7	13.3	10.1	9.62	9.07	8.01	8.13	8.15
35	7.27	7.17	7.08	9.21	9.45	10.7	7.91	7.57	7.15	6.39	6.46	6.55
40	5.71	5.74	5.69	7.39	7.55	8.60	6.16	6.12	5.78	5.27	5.34	5.44
45	4.61	4.87	4.67	5.90	6.03	6.90	4.89	5.24	4.91	4.47	4.53	4.59
50	3.79	4.01	3.90	4.77	4.88	5.57	4.00	4.47	4.25	3.87	3.92	3.92
55	3.15	3.39	3.35	3.90	3.98	4.53	3.30	3.85	3.71	3.33	3.36	3.33
60	2.61	2.90	2.80	3.20	3.27	3.68	2.71	3.30	3.21	2.82	2.84	2.81
65	2.12	2.46	2.32	2.59	2.64	2.97	2.20	2.82	2.77	2.35	2.37	2.33
70	1.64	2.07	1.88	2.10	2.13	2.38	1.72	2.39	2.30	1.93	1.94	1.90
75	1.18	1.68	1.57	1.70	1.73	1.92	1.26	1.95	1.90	1.56	1.57	1.55
80	0.67	1.37	1.31	1.39	1.41	1.57	0.75	1.58	1.56	1.26	1.27	1.27
85	0.29	1.08	1.06	1.16	1.18	1.31	0.35	1.25	1.27	1.03	1.04	1.06
90	0.00	0.88	1.00	1.05	1.08	1.18	0.02	0.99	1.01	0.86	0.87	0.89
95	0.00	0.77	1.07	0.83	0.85	1.03	0.00	0.84	0.87	0.77	0.78	0.79
100	0.00	0.54	1.30	1.01	0.99	0.99	0.00	0.85	0.87	0.76	0.76	0.76
105	0.00	0.54	0.87	0.89	0.88	0.83	0.00	0.82	0.90	0.78	0.78	0.78
110	0.00	0.34	0.81	0.89	0.91	0.91	0.00	0.66	0.87	0.77	0.77	0.76
115	0.00	0.14	0.74	0.74	0.71	0.65	0.00	0.44	0.79	0.70	0.70	0.69
120	0.00	0.03	0.48	0.65	0.66	0.72	0.00	0.28	0.68	0.61	0.61	0.60
125	0.00	0.00	0.27	0.48	0.45	0.51	0.00	0.16	0.53	0.51	0.51	0.50
130	0.00	0.00	0.14	0.33	0.33	0.40	0.00	0.07	0.39	0.39	0.39	0.39
135	0.00	0.00	0.03	0.19	0.20	0.24	0.00	0.00	0.26	0.29	0.29	0.29
140	0.00	0.00	0.00	0.08	0.08	0.13	0.00	0.00	0.16	0.19	0.19	0.19
145	0.00	0.00	0.00	0.01	0.02	0.05	0.00	0.00	0.07	0.10	0.11	0.11
150	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.04	0.05	0.06
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.01
170	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01
175	0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.02	0.01	0.01	0.00
180	0.02	0.03	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01

C Range: 0 - 360DEG
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