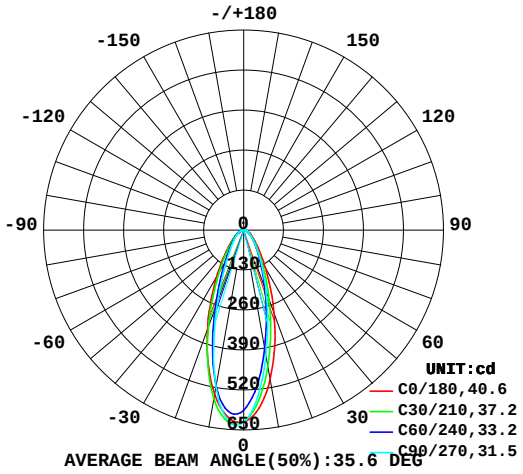
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

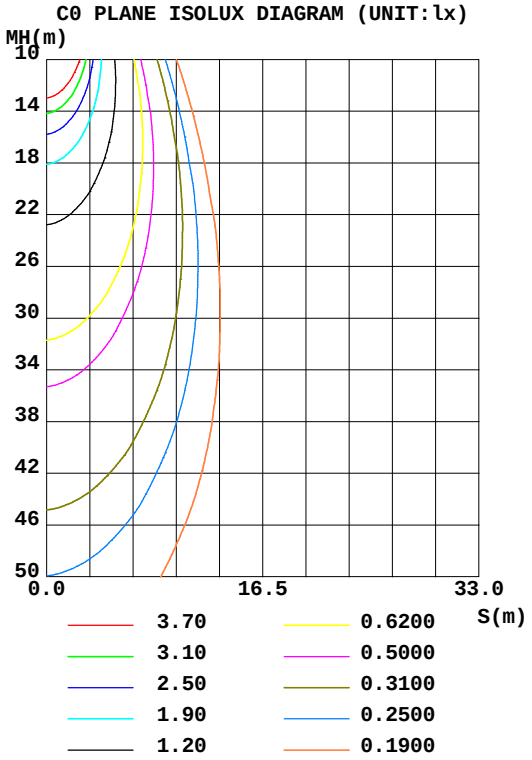
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 84.12 lm/W	
MODEL	HCP-247181-45-G	Imax(cd)	635.6	S/MH(C0/180)	0.69
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.57
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	397.72	η UP,DN(C0-180)	0.0,47.1
NOMINAL FLUX(lm)	397.722	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,52.9
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	99.9	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):35.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [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	494.5	436.8	415.9	474.1	542.9	546.3	519.1	513.5	0- 10	52.80	52.80	13.3,13.3
20	289.8	218.7	214.4	267.3	346.3	299.4	247.4	272.8	10- 20	103.7	156.5	39.4,39.4
30	142.6	103.9	106.8	139.6	178.2	135.3	108.1	122.1	20- 30	87.00	243.5	61.2,61.2
40	70.18	55.25	55.98	71.78	86.34	69.47	57.79	63.26	30- 40	58.16	301.7	75.9,75.9
50	40.43	32.80	31.30	38.35	45.71	40.03	35.95	38.33	40- 50	38.78	340.5	85.6,85.6
60	24.52	19.62	17.71	21.29	26.37	23.60	21.51	23.07	50- 60	26.21	366.7	92.2,92.2
70	14.57	11.55	9.975	12.21	15.49	13.65	12.11	13.38	60- 70	16.95	383.6	96.5,96.5
80	7.324	5.593	4.684	5.896	7.910	7.082	6.434	7.183	70- 80	10.10	393.7	99,99
90	0.0033	0	0.0468	0	0	1.592	2.140	1.596	80- 90	3.698	397.4	99.9,99.9
100	0	0	0	0	0	0	0	0	90-100	0.1061	397.5	100,100
110	0	0	0	0	0	0	0	0	100-110	0	397.5	100,100
120	0	0	0	0	0.0000	0	0	0	110-120	0.0000	397.5	100,100
130	0	0.0046	0	0	0.0460	0.0366	0.0276	0.0365	120-130	0.0041	397.5	100,100
140	0.0045	0.0323	0	0.0321	0.0874	0.0459	0.0921	0.0552	130-140	0.0220	397.6	100,100
150	0.0322	0.0828	0.0413	0.0735	0.1471	0.1118	0.1617	0.1241	140-150	0.0466	397.6	100,100
160	0.0918	0.1286	0.0918	0.1012	0.1751	0.1378	0.1903	0.1774	150-160	0.0533	397.7	100,100
170	0.1088	0.1456	0.1111	0.1379	0.1775	0.1547	0.1818	0.1912	160-170	0.0408	397.7	100,100
180	0.1746	0.1517	0.1195	0.1517	0.1792	0.1655	0.1517	0.1655	170-180	0.0145	397.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 322.94 lm

%lum = 81.2%
%lamp = 81.2%

Conical surface Flux(120deg): 366.69 lm

%lum = 92.2%
%lamp = 92.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

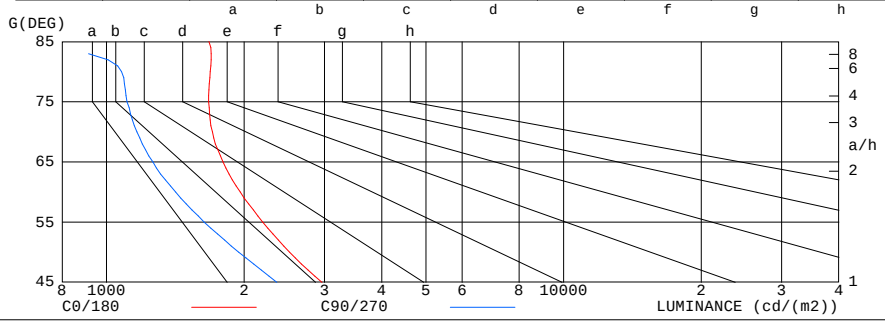
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	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	1677	536
80	1687	1079
75	1674	1110
70	1704	1167
65	1800	1263
60	1962	1417
55	2198	1636
50	2516	1948
45	2961	2359

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

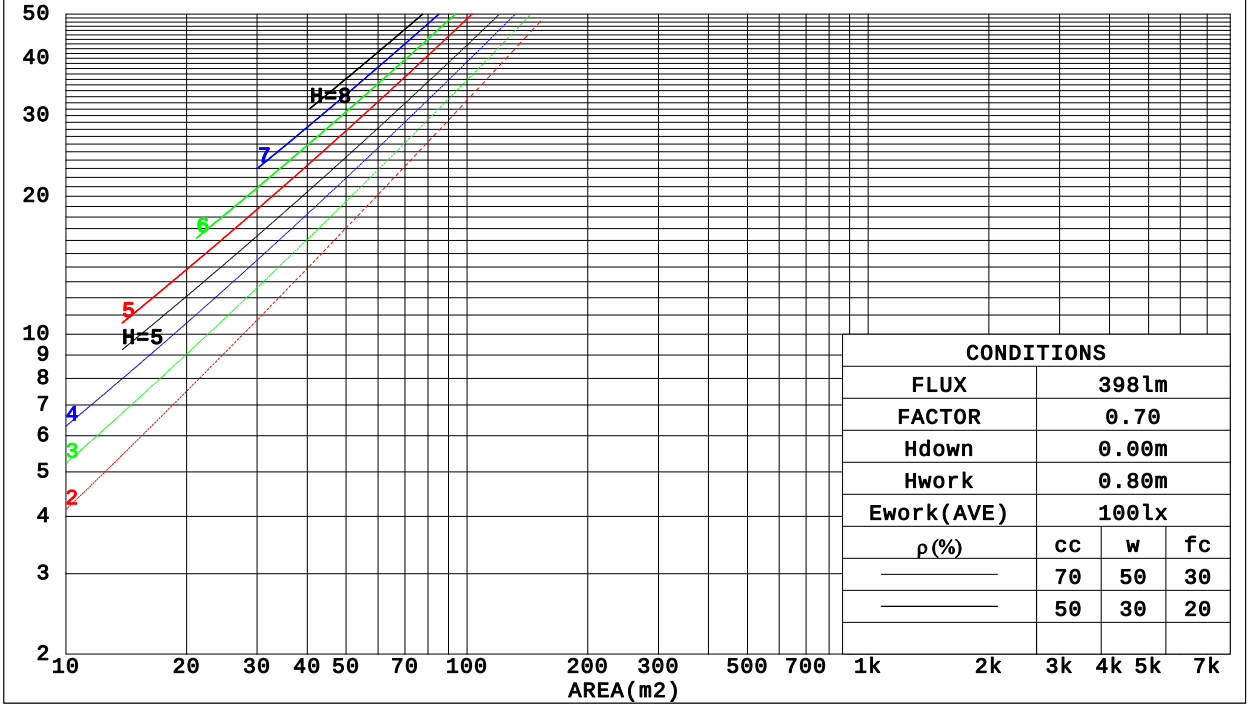
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	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	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1.00	.98	.99	.97	.95	.95	.94	.92	.90
2.0	.99	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.92	.86	.81	.90	.85	.80	.87	.83	.79	.85	.81	.78	.83	.79	.77	.75
4.0	.85	.78	.74	.84	.78	.73	.81	.76	.72	.79	.75	.71	.77	.74	.71	.69
5.0	.79	.72	.67	.78	.72	.67	.76	.71	.67	.74	.70	.66	.73	.69	.65	.64
6.0	.74	.67	.62	.73	.67	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.59
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.55
8.0	.65	.59	.54	.65	.59	.54	.64	.58	.54	.62	.57	.54	.61	.57	.53	.52
9.0	.62	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.50	.49
10.0	.59	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.56	.51	.48	.46

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	398lm		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.80m		
Ework(AVE)	100lx		
ρ(%)	cc	w	fc
————	70	50	30
————	50	30	20

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	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	.218	.124	.039	.211	.120	.038	.198	.114	.036	.186	.107	.034	.175	.102	.033	
2.0	.205	.112	.034	.199	.110	.034	.188	.105	.032	.178	.100	.031	.169	.095	.030	
3.0	.191	.102	.031	.186	.100	.030	.177	.096	.029	.168	.092	.028	.160	.089	.027	
4.0	.179	.093	.027	.175	.091	.027	.166	.088	.026	.159	.085	.026	.152	.082	.025	
5.0	.168	.086	.025	.164	.084	.025	.157	.082	.024	.150	.079	.024	.144	.077	.023	
6.0	.158	.079	.023	.154	.078	.022	.148	.076	.022	.142	.074	.022	.137	.072	.021	
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.141	.069	.019	.138	.068	.019	.133	.066	.019	.128	.065	.019	.124	.064	.019	
9.0	.133	.064	.018	.131	.064	.018	.126	.063	.018	.122	.061	.018	.118	.060	.017	
10.0	.127	.061	.017	.125	.060	.017	.121	.059	.017	.117	.058	.016	.113	.057	.016	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.158	.142	.149	.135	.122	.102	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.161	.133	.109	.138	.114	.094	.095	.079	.066	.055	.046	.039	.018	.015	.013	
3.0	.150	.114	.086	.129	.099	.075	.088	.069	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.100	.069	.120	.086	.060	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.089	.057	.113	.077	.050	.078	.054	.035	.045	.031	.021	.015	.010	.007	
6.0	.124	.080	.048	.106	.069	.042	.073	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.117	.072	.041	.101	.063	.035	.070	.044	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.066	.035	.095	.057	.031	.066	.040	.022	.038	.024	.013	.012	.008	.004	
9.0	.105	.061	.031	.091	.053	.027	.063	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.100	.056	.027	.087	.049	.024	.060	.034	.017	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	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	16.1	17.2	16.3	17.3	17.5	14.8	15.8	15.0	16.0	16.2
3H	17.2	18.2	17.5	18.4	18.6	15.6	16.6	15.9	16.8	17.0
4H	17.7	18.7	18.0	18.9	19.1	16.0	17.0	16.3	17.2	17.4
6H	18.2	19.1	18.5	19.4	19.6	16.4	17.3	16.7	17.5	17.8
8H	18.4	19.3	18.7	19.5	19.8	16.5	17.3	16.8	17.6	17.9
12H	18.6	19.4	18.9	19.7	20.0	16.5	17.3	16.8	17.6	17.9
4H 2H	16.3	17.3	16.6	17.5	17.7	15.2	16.2	15.5	16.4	16.6
3H	17.6	18.5	18.0	18.7	19.0	16.3	17.1	16.6	17.4	17.7
4H	18.3	19.1	18.7	19.4	19.7	16.8	17.6	17.2	17.9	18.2
6H	19.0	19.6	19.4	20.0	20.3	17.3	18.0	17.7	18.3	18.6
8H	19.2	19.9	19.6	20.2	20.6	17.5	18.1	17.9	18.4	18.8
12H	19.5	20.0	19.9	20.4	20.8	17.5	18.1	17.9	18.4	18.8
8H 4H	18.5	19.1	18.9	19.4	19.8	17.1	17.7	17.5	18.1	18.4
6H	19.2	19.8	19.7	20.2	20.6	17.7	18.2	18.1	18.6	19.0
8H	19.6	20.1	20.1	20.5	20.9	18.0	18.4	18.4	18.8	19.3
12H	19.9	20.3	20.4	20.7	21.2	18.0	18.4	18.5	18.9	19.4
12H 4H	18.4	19.0	18.9	19.4	19.8	17.1	17.7	17.5	18.1	18.5
6H	19.3	19.7	19.7	20.2	20.6	17.8	18.3	18.3	18.7	19.1
8H	19.7	20.1	20.1	20.5	21.0	18.1	18.5	18.6	18.9	19.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.4 / - 0.3					+ 0.3 / - 0.3				
2.0H	+ 0.6 / - 0.5					+ 0.6 / - 0.5				

CIE Pub.117, 397.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

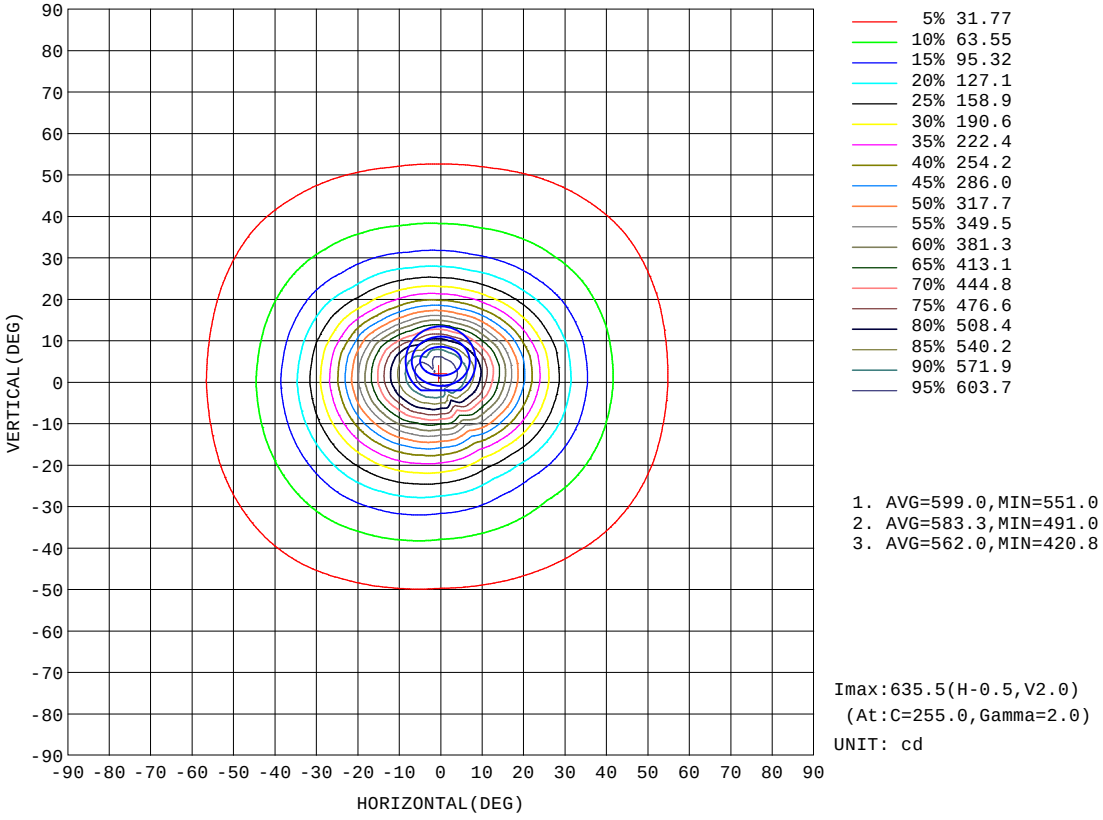
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	77	68	63	76	68	63	75	68	63	59
0.80	85	77	72	84	77	72	83	76	72	67
1.00	91	83	78	90	83	78	88	83	78	73
1.25	96	89	84	95	88	84	93	87	83	78
1.50	100	93	88	98	92	88	96	91	87	81
2.00	104	98	94	102	97	93	99	95	91	85
2.50	106	101	97	104	100	96	101	97	94	87
3.00	108	104	100	106	102	99	103	99	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	109	107	110	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



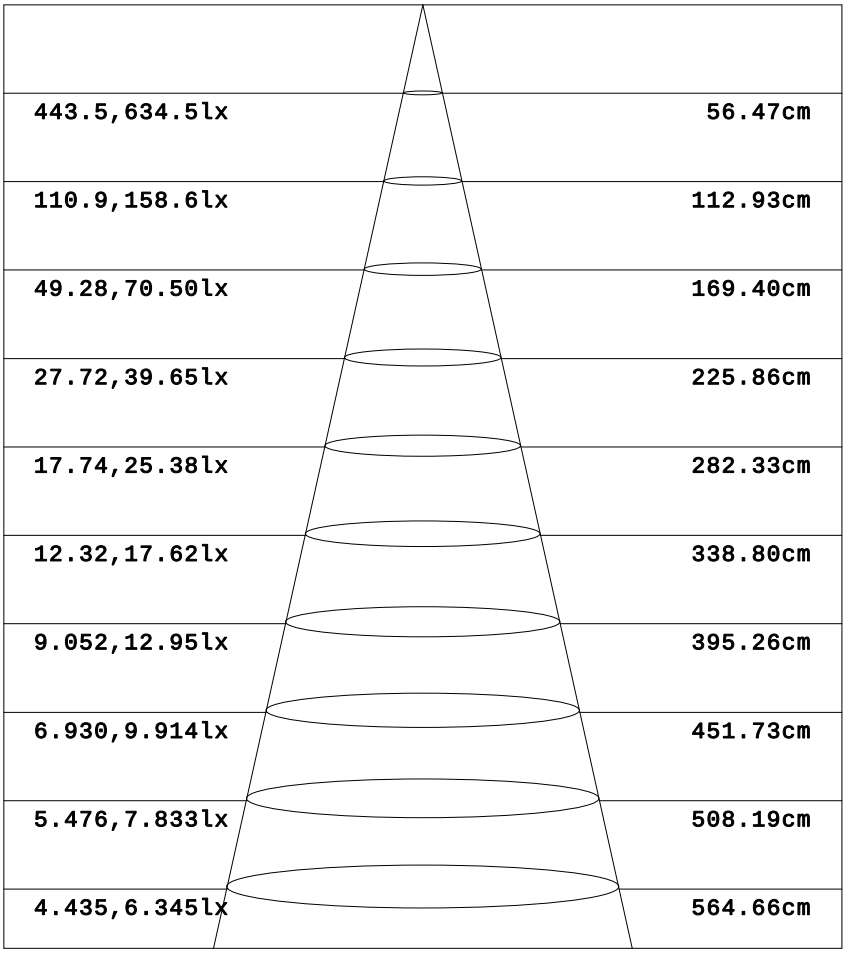
C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Flux out:114.6 lm



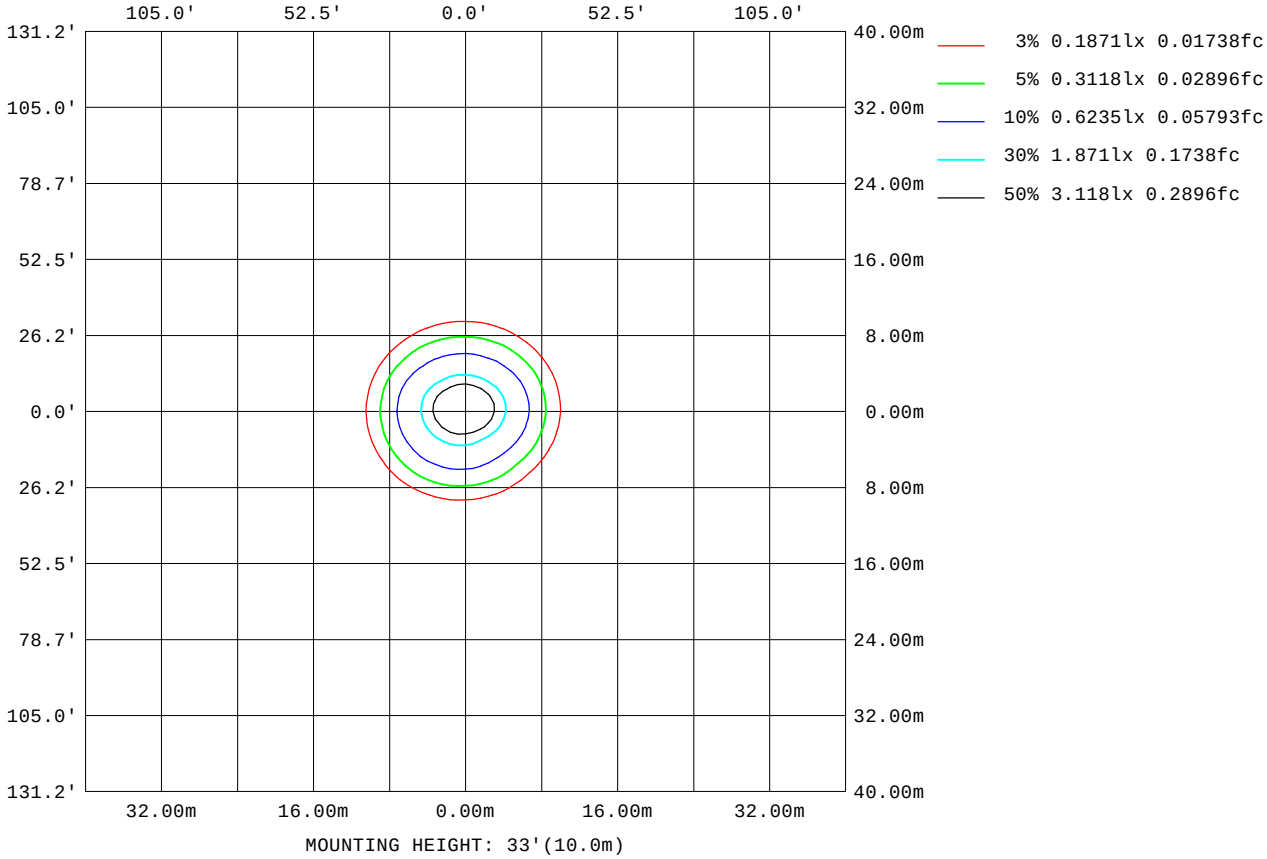
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

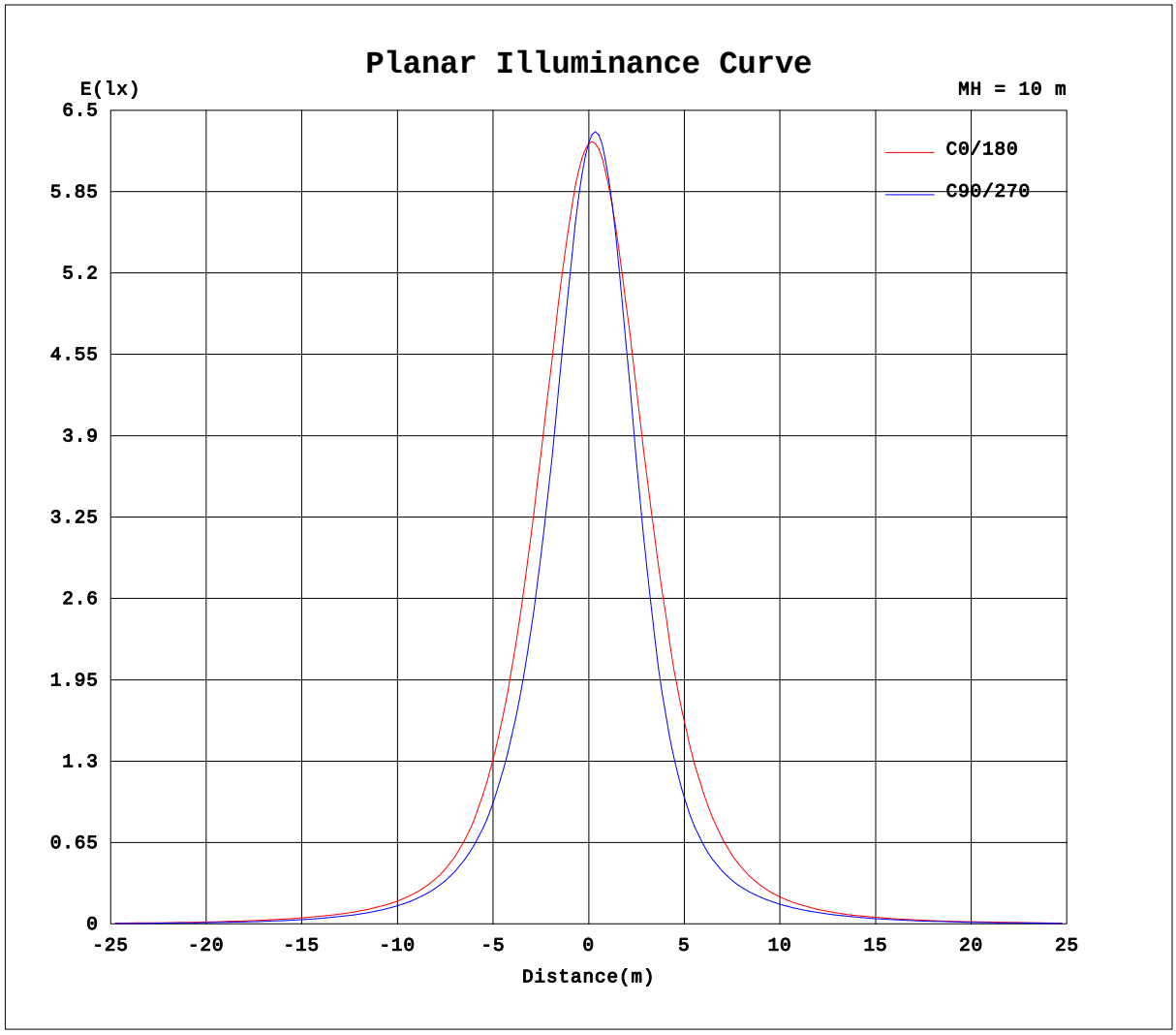
AvgL	cd/m2
L_0~180(65)av	1856
L_0~180(75)av	1729
L_0~180(85)av	1759
L_90~270(65)av	1398
L_90~270(75)av	1247
L_90~270(85)av	1262
L_45(65)av	1584
L_45(75)av	1454
L_45(85)av	1545

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	624	624	623	625	586	626	624	626	625	626	626	626	624	624	623	625	586	626	624
5	581	572	558	551	507	543	541	551	557	573	584	599	609	617	623	624	591	621	618
10	495	479	452	437	393	418	416	432	445	474	496	524	543	553	557	546	516	526	519
15	391	371	341	319	286	301	302	318	335	366	393	426	448	455	451	423	394	387	377
20	290	267	243	219	202	209	214	226	245	267	296	326	346	349	337	299	273	260	247
25	206	189	170	149	141	147	152	162	177	194	216	236	251	253	235	203	183	170	161
30	143	131	117	104	99.9	104	107	115	125	140	154	168	178	177	161	135	124	112	108
35	98.2	91.9	82.9	74.7	73.9	74.8	76.5	82.6	89.8	99.9	108	118	124	120	111	95.2	86.8	79.1	76.7
40	70.2	66.3	60.8	55.3	55.3	55.1	56.0	59.9	64.9	71.8	77.2	82.6	86.3	83.6	77.8	69.5	63.7	59.2	57.8
45	52.3	49.8	46.0	42.7	41.7	41.3	41.7	44.2	47.5	52.2	55.8	59.4	61.7	60.1	56.8	52.1	48.8	46.1	45.3
50	40.4	38.4	35.5	32.8	31.7	31.2	31.3	32.9	35.1	38.4	41.1	43.9	45.7	44.8	42.8	40.0	38.1	36.4	35.9
55	31.5	29.9	27.3	25.5	24.1	23.6	23.5	24.6	26.0	28.4	30.6	32.9	34.6	34.1	32.8	30.8	29.7	28.4	28.1
60	24.5	23.2	21.1	19.6	18.4	17.8	17.7	18.4	19.5	21.3	23.0	25.0	26.4	26.0	25.1	23.6	22.6	21.7	21.5
65	19.0	18.0	16.3	15.1	14.0	13.5	13.3	13.9	14.7	16.2	17.6	19.1	20.2	20.0	19.2	18.0	17.1	16.4	16.2
70	14.6	13.8	12.5	11.6	10.6	10.2	9.98	10.4	11.0	12.2	13.3	14.6	15.5	15.3	14.7	13.6	12.9	12.2	12.1
75	10.8	10.2	9.20	8.46	7.69	7.35	7.18	7.50	7.98	8.90	9.73	10.8	11.5	11.5	11.1	10.2	9.63	9.05	8.95
80	7.32	6.82	6.07	5.59	5.04	4.83	4.68	4.93	5.24	5.90	6.41	7.17	7.91	8.01	7.87	7.08	6.93	6.51	6.43
85	3.65	3.12	2.40	2.07	1.52	1.39	1.17	1.42	1.57	2.15	2.52	3.13	4.01	4.09	4.31	4.65	4.59	4.37	4.33
90	0.00	0.00	0.01	0.00	0.04	0.00	0.05	0.02	0.04	0.00	0.00	0.00	0.00	0.38	1.18	1.59	2.01	2.03	2.14
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00
130	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.05	0.04	0.03	0.00	0.03
135	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.07	0.03	0.07	0.04	0.06	0.02	0.06
140	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.03	0.00	0.03	0.09	0.06	0.10	0.05	0.09	0.04	0.09
145	0.03	0.06	0.03	0.06	0.03	0.06	0.04	0.05	0.01	0.05	0.01	0.06	0.12	0.11	0.12	0.10	0.13	0.09	0.13
150	0.03	0.09	0.04	0.08	0.04	0.08	0.04	0.08	0.03	0.07	0.03	0.07	0.15	0.12	0.15	0.11	0.14	0.11	0.16
155	0.05	0.10	0.06	0.11	0.06	0.11	0.06	0.11	0.05	0.09	0.04	0.09	0.16	0.12	0.17	0.12	0.14	0.13	0.19
160	0.09	0.12	0.09	0.13	0.09	0.12	0.09	0.12	0.09	0.10	0.06	0.11	0.18	0.17	0.19	0.14	0.15	0.15	0.19
165	0.10	0.15	0.11	0.13	0.11	0.14	0.11	0.12	0.10	0.12	0.09	0.13	0.18	0.17	0.19	0.14	0.15	0.15	0.19
170	0.11	0.16	0.11	0.15	0.11	0.15	0.11	0.12	0.11	0.14	0.10	0.15	0.18	0.18	0.19	0.15	0.15	0.16	0.18
175	0.13	0.17	0.13	0.15	0.12	0.15	0.11	0.12	0.11	0.15	0.12	0.17	0.18	0.18	0.18	0.17	0.15	0.16	0.16
180	0.17	0.19	0.16	0.15	0.13	0.15	0.12	0.12	0.13	0.15	0.16	0.18	0.18	0.18	0.18	0.17	0.15	0.15	0.15

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.1970A P:4.728W PF:1.000 Freq:0Hz Lamp Flux:397.722x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:G/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345														
0	626	625	626	626	626														
5	612	609	604	600	592														
10	512	515	514	517	511														
15	372	382	390	404	405														
20	248	256	273	292	299														
25	161	169	183	199	211														
30	107	114	122	136	145														
35	76.3	80.5	85.7	94.2	99.2														
40	57.7	60.3	63.3	68.0	70.8														
45	45.4	47.1	48.8	51.4	52.9														
50	36.0	37.3	38.3	39.9	40.9														
55	28.2	29.2	29.9	31.2	31.9														
60	21.6	22.4	23.1	24.2	24.8														
65	16.3	16.9	17.6	18.6	19.2														
70	12.1	12.8	13.4	14.3	14.7														
75	8.99	9.50	10.0	10.8	11.1														
80	6.46	6.82	7.18	7.68	7.73														
85	4.31	4.50	4.60	4.73	4.35														
90	2.00	1.97	1.60	1.26	0.51														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.01	0.00	0.03	0.00														
130	0.00	0.04	0.04	0.06	0.03														
135	0.02	0.07	0.04	0.08	0.04														
140	0.05	0.10	0.06	0.11	0.08														
145	0.10	0.14	0.10	0.15	0.11														
150	0.12	0.17	0.12	0.17	0.12														
155	0.15	0.18	0.17	0.19	0.14														
160	0.17	0.18	0.18	0.19	0.18														
165	0.18	0.17	0.19	0.19	0.18														
170	0.18	0.16	0.19	0.18	0.18														
175	0.16	0.15	0.19	0.18	0.18														
180	0.16	0.15	0.17	0.17	0.18														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks: