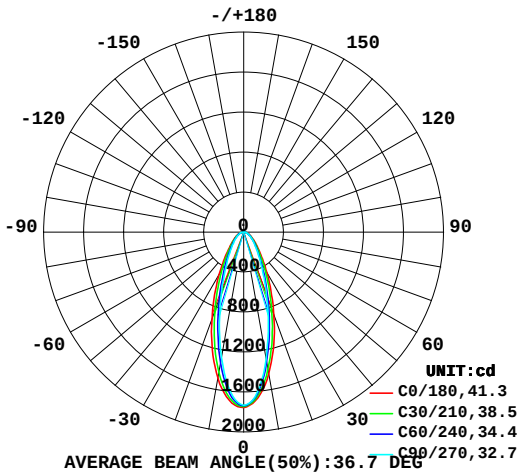
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/30x45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

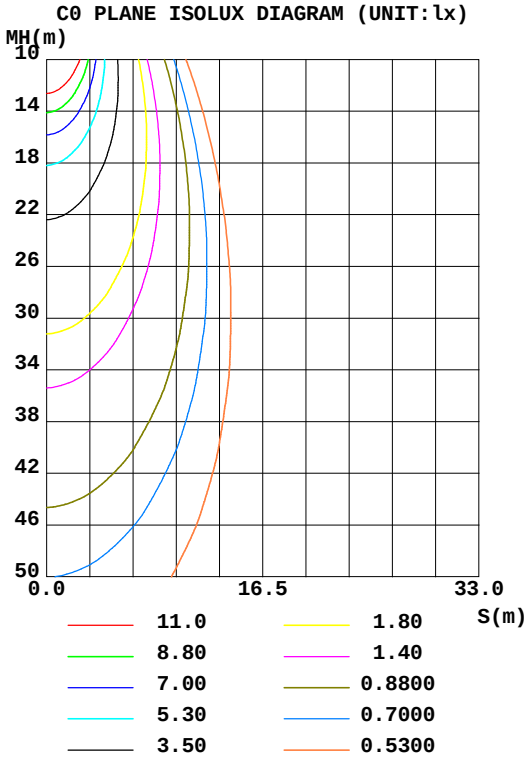
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 64.97 lm/W	
MODEL	HCP-247183-45	Imax(cd)	1754	S/MH(C0/180)	0.67
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.53
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1197.2	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	1197.19	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9
LAMPS INSIDE	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%):36.7 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	1442	1373	1295	1389	1488	1375	1280	1323	0- 10	147.0	147.0	12.3,12.3
20	887.1	769.9	673.2	785.3	935.6	774.1	661.0	732.0	10- 20	292.2	439.2	36.7,36.7
30	464.1	387.9	333.3	395.4	493.9	389.9	326.8	369.0	20- 30	255.8	695.1	58.1,58.1
40	241.0	205.5	183.9	209.7	251.9	210.4	179.8	202.1	30- 40	179.9	874.9	73.1,73.1
50	138.6	122.2	110.5	125.5	145.7	124.7	110.8	121.1	40- 50	125.3	1000	83.5,83.5
60	85.00	74.61	67.48	77.38	89.62	76.93	68.46	74.91	50- 60	88.26	1089	90.9,90.9
70	50.95	44.32	39.38	46.56	54.12	46.64	40.98	45.24	60- 70	59.80	1148	95.9,95.9
80	23.81	20.73	18.35	22.47	26.45	23.96	21.01	22.63	70- 80	35.84	1184	98.9,98.9
90	0.0023	0.0138	0.0671	0.2057	0.3500	1.681	1.676	0.6843	80- 90	11.92	1196	99.9,99.9
100	0	0	0	0	0.0276	0.0552	0.0047	0.0414	90-100	0.0673	1196	99.9,99.9
110	0	0.0093	0	0.0000	0.0737	0.0414	0.0460	0.0414	100-110	0.0202	1196	99.9,99.9
120	0.0276	0.0552	0	0.0368	0.1702	0.1011	0.1104	0.0965	110-120	0.0454	1196	99.9,99.9
130	0.1012	0.1243	0.0504	0.1012	0.3127	0.2481	0.2347	0.2296	120-130	0.1074	1196	99.9,99.9
140	0.1928	0.2390	0.1651	0.2115	0.4231	0.4136	0.4506	0.4271	130-140	0.1868	1196	99.9,99.9
150	0.3214	0.3586	0.3306	0.3356	0.5839	0.5606	0.6528	0.6019	140-150	0.2456	1197	100,100
160	0.4181	0.4644	0.4502	0.4506	0.6339	0.6207	0.6829	0.6922	150-160	0.2372	1197	100,100
170	0.5376	0.5562	0.5376	0.5378	0.6422	0.6233	0.6250	0.6865	160-170	0.1629	1197	100,100
180	0.6205	0.6021	0.5653	0.5837	0.6480	0.6159	0.5837	0.6251	170-180	0.0575	1197	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 942.98 lm

%lum = 78.8%
%lamp = 78.8%

Conical surface Flux(120deg): 1088.5 lm

%lum = 90.9%
%lamp = 90.9%

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

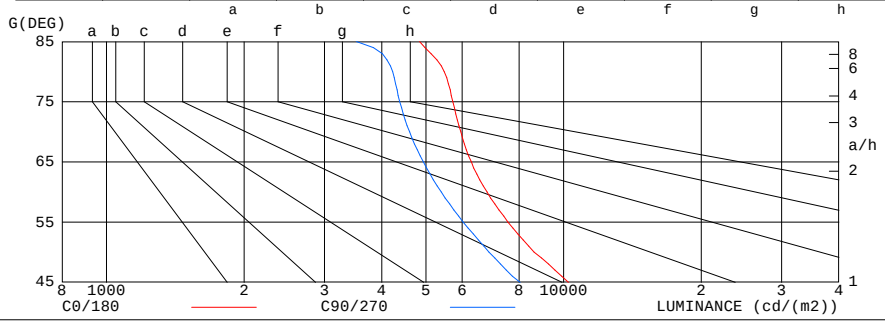
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	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	4844	3525
80	5484	4226
75	5726	4381
70	5959	4605
65	6283	4937
60	6800	5398
55	7560	6030
50	8625	6874
45	10256	8032

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:

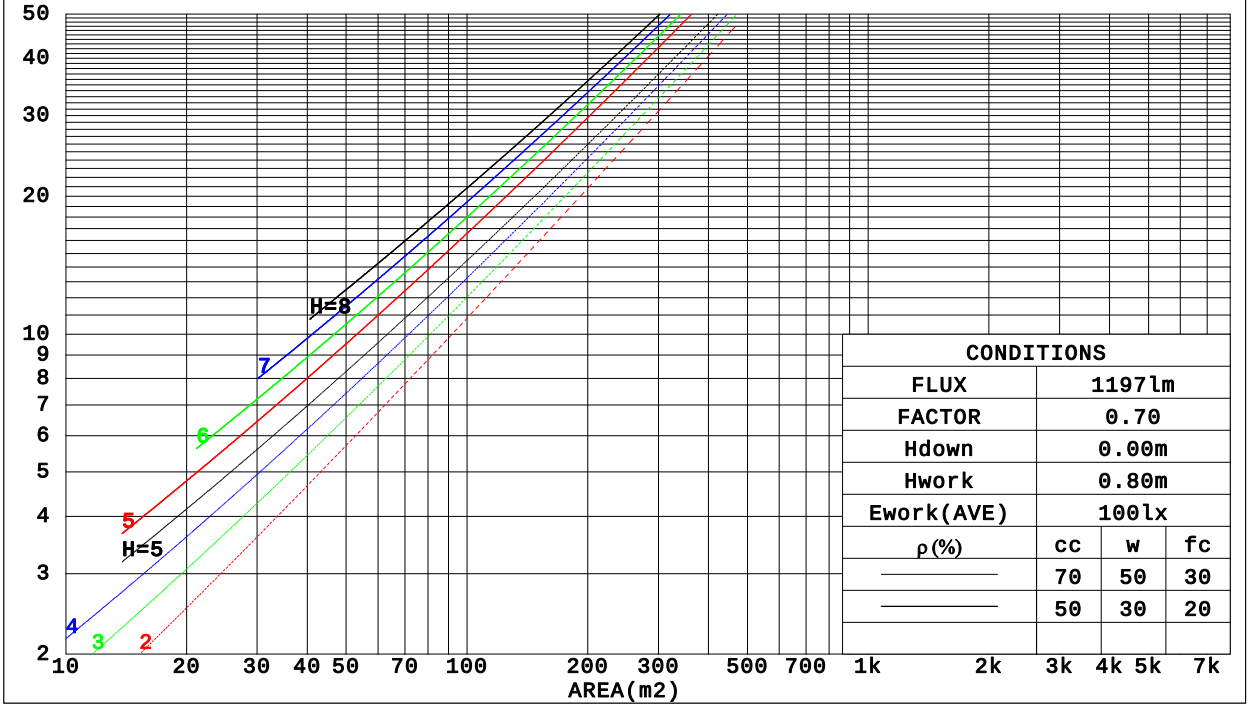
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.00	.97	.98	.96	.94	.95	.93	.92	.90
2.0	.99	.94	.89	.97	.92	.88	.93	.90	.86	.90	.87	.84	.88	.85	.83	.81
3.0	.90	.84	.80	.89	.83	.79	.86	.81	.78	.84	.80	.76	.81	.78	.75	.73
4.0	.83	.77	.72	.82	.76	.71	.80	.75	.70	.78	.73	.70	.76	.72	.69	.67
5.0	.77	.71	.66	.76	.70	.65	.75	.69	.65	.73	.68	.64	.71	.67	.63	.62
6.0	.72	.65	.60	.71	.65	.60	.70	.64	.60	.68	.63	.59	.67	.62	.59	.57
7.0	.68	.61	.56	.67	.60	.56	.66	.60	.56	.64	.59	.55	.63	.58	.55	.53
8.0	.64	.57	.52	.63	.57	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.50
9.0	.60	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.57	.52	.48	.47
10.0	.57	.50	.46	.56	.50	.46	.55	.50	.46	.55	.49	.46	.54	.49	.46	.44

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	1197lm		
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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	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	.226	.129	.041	.219	.125	.040	.206	.118	.038	.195	.112	.036	.184	.106	.034	
2.0	.213	.117	.036	.207	.114	.035	.196	.109	.034	.186	.104	.033	.176	.100	.031	
3.0	.199	.106	.032	.194	.104	.031	.184	.100	.030	.175	.096	.029	.167	.093	.029	
4.0	.186	.096	.028	.181	.095	.028	.173	.092	.027	.165	.089	.027	.158	.086	.026	
5.0	.174	.088	.026	.170	.087	.025	.163	.085	.025	.156	.082	.024	.149	.080	.024	
6.0	.163	.082	.023	.160	.081	.023	.153	.078	.023	.147	.076	.022	.142	.075	.022	
7.0	.153	.076	.021	.150	.075	.021	.145	.073	.021	.139	.071	.021	.134	.070	.021	
8.0	.145	.071	.020	.142	.070	.020	.137	.068	.020	.132	.067	.019	.128	.066	.019	
9.0	.137	.066	.019	.135	.066	.018	.130	.064	.018	.126	.063	.018	.122	.062	.018	
10.0	.130	.062	.017	.128	.062	.017	.124	.061	.017	.120	.060	.017	.116	.059	.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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.175	.158	.142	.150	.135	.122	.103	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.162	.133	.108	.139	.115	.094	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.151	.115	.085	.130	.099	.074	.089	.069	.052	.051	.040	.031	.017	.013	.010	
4.0	.142	.100	.069	.122	.087	.060	.084	.060	.042	.048	.035	.025	.016	.012	.008	
5.0	.133	.089	.056	.115	.077	.049	.079	.054	.035	.046	.032	.021	.015	.010	.007	
6.0	.126	.080	.047	.108	.069	.041	.075	.049	.029	.043	.029	.017	.014	.009	.006	
7.0	.119	.073	.040	.102	.063	.035	.071	.044	.025	.041	.026	.015	.013	.009	.005	
8.0	.113	.066	.035	.097	.058	.030	.067	.040	.021	.039	.024	.013	.013	.008	.004	
9.0	.107	.061	.030	.092	.053	.026	.064	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.102	.057	.027	.088	.049	.023	.061	.035	.017	.036	.021	.010	.012	.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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	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	17.3	18.4	17.5	18.6	18.8	16.1	17.2	16.3	17.4	17.6
3H	18.4	19.4	18.7	19.6	19.8	17.1	18.1	17.4	18.3	18.5
4H	18.9	19.9	19.2	20.1	20.4	17.5	18.5	17.8	18.7	19.0
6H	19.3	20.3	19.6	20.5	20.8	17.9	18.8	18.2	19.1	19.3
8H	19.5	20.4	19.8	20.6	20.9	18.0	18.9	18.4	19.2	19.5
12H	19.6	20.4	19.9	20.7	21.0	18.1	19.0	18.5	19.3	19.6
4H 2H	17.6	18.6	17.9	18.8	19.0	16.6	17.6	16.9	17.8	18.0
3H	18.9	19.8	19.2	20.0	20.3	17.8	18.6	18.1	18.9	19.2
4H	19.6	20.3	19.9	20.7	21.0	18.4	19.2	18.7	19.5	19.8
6H	20.1	20.8	20.5	21.2	21.5	18.9	19.6	19.3	19.9	20.3
8H	20.4	21.0	20.8	21.4	21.7	19.1	19.7	19.5	20.1	20.4
12H	20.5	21.1	20.9	21.5	21.9	19.2	19.8	19.6	20.2	20.6
8H 4H	19.7	20.4	20.1	20.7	21.1	18.6	19.3	19.0	19.7	20.0
6H	20.5	21.0	20.9	21.4	21.8	19.3	19.8	19.7	20.2	20.7
8H	20.8	21.2	21.2	21.7	22.1	19.6	20.1	20.0	20.5	20.9
12H	21.0	21.4	21.5	21.8	22.3	19.8	20.2	20.2	20.6	21.1
12H 4H	19.7	20.3	20.1	20.7	21.1	18.7	19.3	19.1	19.6	20.0
6H	20.5	21.0	20.9	21.4	21.8	19.4	19.9	19.8	20.3	20.7
8H	20.8	21.2	21.3	21.7	22.2	19.7	20.1	20.2	20.5	21.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.6 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117, 1197 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.6)

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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

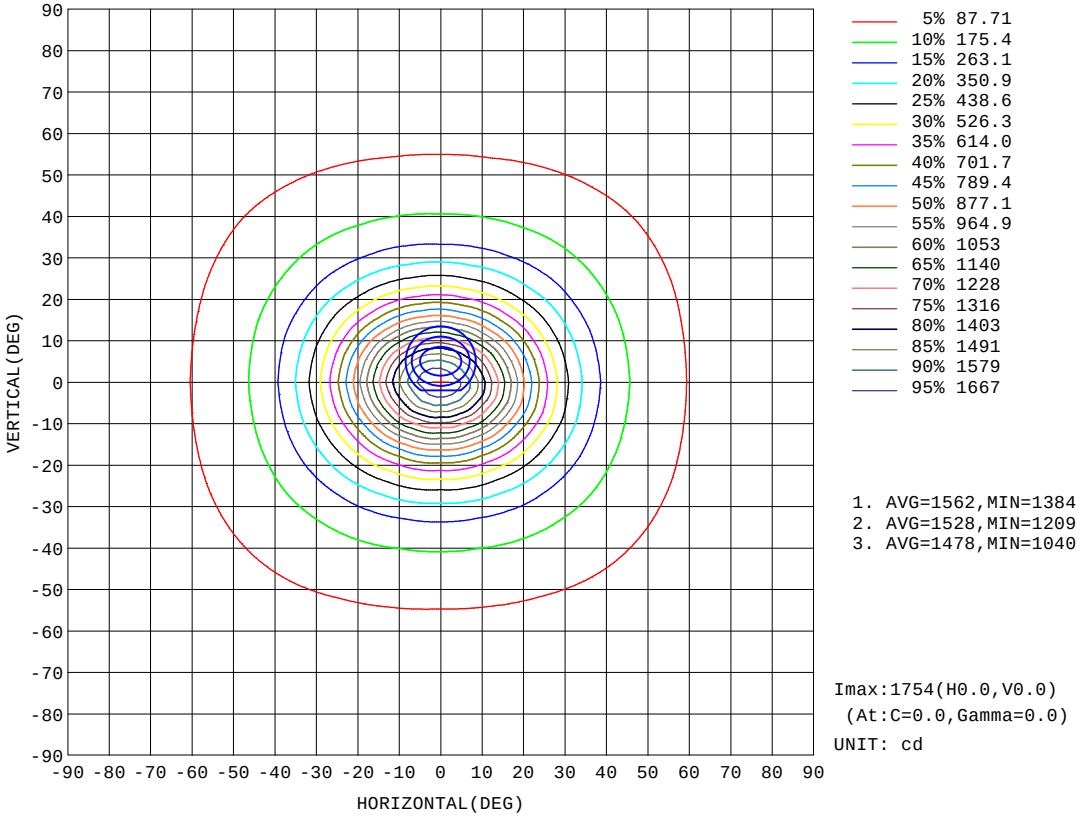
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	75	66	61	74	66	61	73	66	61	56
0.80	83	75	70	83	75	70	81	74	69	64
1.00	90	82	77	89	81	76	87	82	76	71
1.25	95	88	83	94	87	82	91	86	81	76
1.50	99	92	87	97	91	86	95	89	85	80
2.00	103	97	92	101	96	92	98	94	90	84
2.50	106	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	89
4.00	111	107	103	108	105	102	105	102	99	91
5.00	112	109	106	110	107	105	106	104	101	93
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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



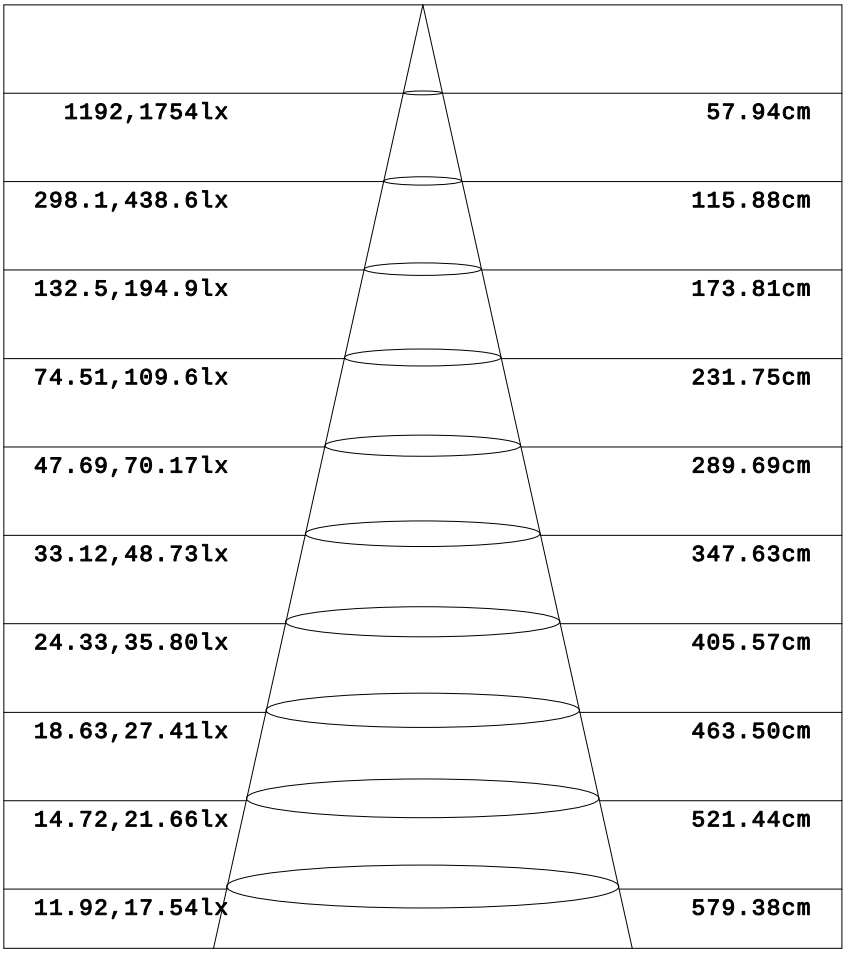
C Range: 0 - 360DEG
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Test Speed: HIGH
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Flux out:350.1 lm



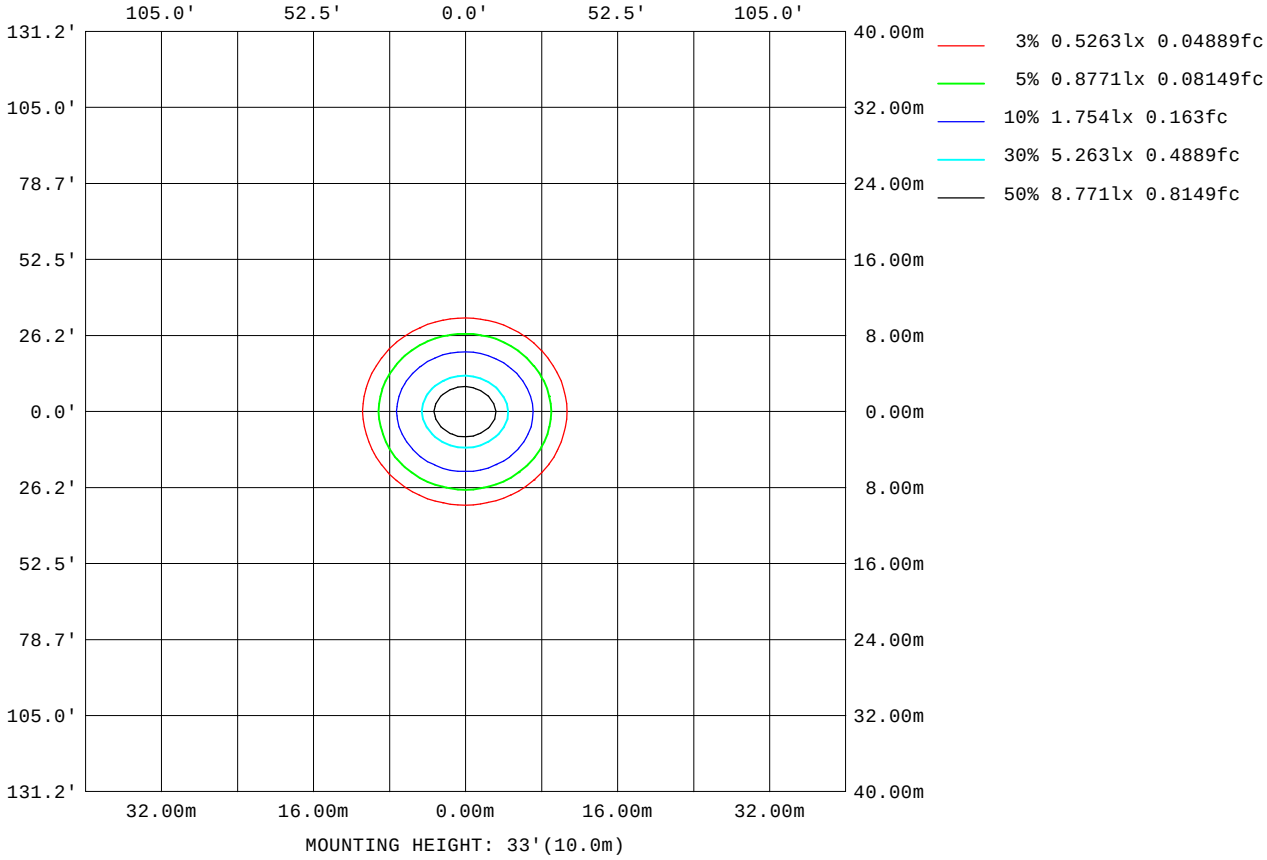
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

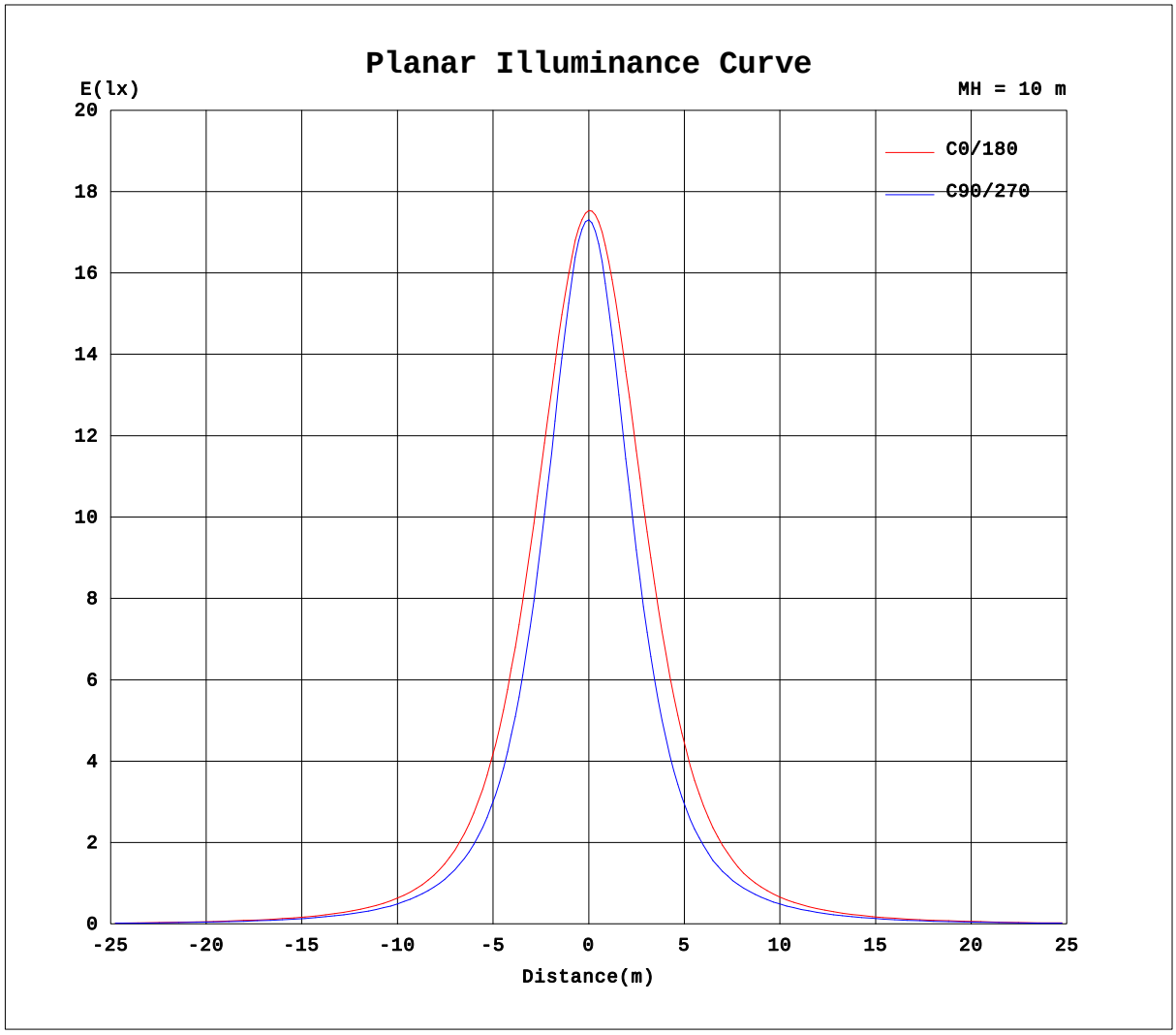
AvgL	cd/m2
L_0~180(65)av	6462
L_0~180(75)av	5961
L_0~180(85)av	5526
L_90~270(65)av	4995
L_90~270(75)av	4540
L_90~270(85)av	4471
L_45(65)av	5622
L_45(75)av	5193
L_45(85)av	5088

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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1754	1750	1745	1741	1737	1733	1732	1728	1727	1724	1723	1722	1754	1750	1745	1741	1737	1733	1732
5	1661	1662	1643	1635	1616	1614	1605	1618	1621	1640	1645	1656	1688	1674	1661	1636	1620	1597	1593
10	1442	1442	1400	1373	1325	1315	1295	1323	1339	1389	1415	1453	1488	1464	1430	1375	1334	1291	1280
15	1167	1160	1104	1056	1000	977	958	985	1012	1074	1120	1178	1217	1186	1135	1061	1005	955	941
20	887	880	820	770	713	692	673	697	722	785	836	899	936	904	847	774	719	675	661
25	647	641	591	547	501	482	468	486	506	557	601	656	689	661	612	550	506	471	461
30	464	457	420	388	355	342	333	344	361	395	430	470	494	472	436	390	358	334	327
35	331	326	301	279	259	245	243	247	262	284	309	336	353	337	313	282	258	244	236
40	241	234	222	205	195	185	184	186	197	210	228	241	252	246	227	210	194	185	180
45	181	176	168	157	150	143	142	144	152	161	173	182	189	185	172	162	151	144	140
50	139	136	129	122	116	112	110	113	118	125	133	141	146	142	134	125	118	112	111
55	108	107	101	95.5	90.2	87.7	86.5	88.8	92.3	98.5	104	111	114	111	105	97.9	92.9	88.4	87.3
60	85.0	83.6	78.9	74.6	70.4	68.3	67.5	69.3	72.3	77.4	82.2	87.2	89.6	87.0	82.7	76.9	72.9	69.3	68.5
65	66.4	65.3	61.6	58.0	54.6	52.8	52.2	53.7	56.3	60.6	64.6	68.5	70.2	68.2	64.9	60.3	57.0	54.1	53.4
70	51.0	50.1	47.1	44.3	41.3	40.0	39.4	40.8	42.8	46.6	49.8	53.0	54.1	52.7	50.3	46.6	44.0	41.6	41.0
75	37.0	36.5	34.1	32.0	29.8	28.8	28.3	29.5	31.1	34.1	36.5	39.0	40.1	39.1	37.5	34.8	32.8	30.9	30.4
80	23.8	23.5	21.9	20.7	19.1	18.6	18.3	19.3	20.4	22.5	23.9	25.5	26.5	26.1	25.6	24.0	22.7	21.3	21.0
85	10.6	9.96	9.09	8.84	7.92	7.90	7.68	8.52	9.12	10.5	11.0	12.2	13.5	13.4	13.8	13.2	12.8	12.0	11.8
90	0.00	0.05	0.09	0.01	0.05	0.01	0.07	0.11	0.21	0.21	0.27	0.33	0.35	1.14	1.69	1.68	1.98	1.63	1.68
95	0.00	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.03	0.03	0.07	0.03	0.03	0.01
100	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.02	0.04	0.06	0.03	0.02	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	0.05	0.03	0.05	0.04	0.04	0.02	0.03
110	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.04	0.08	0.04	0.06	0.03	0.05
115	0.00	0.04	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.03	0.12	0.08	0.12	0.06	0.09	0.04	0.07
120	0.03	0.07	0.02	0.06	0.01	0.03	0.00	0.03	0.00	0.04	0.01	0.05	0.17	0.13	0.16	0.10	0.12	0.09	0.11
125	0.05	0.10	0.05	0.08	0.03	0.06	0.02	0.06	0.03	0.06	0.03	0.08	0.23	0.19	0.23	0.17	0.18	0.12	0.17
130	0.10	0.15	0.10	0.12	0.07	0.10	0.05	0.09	0.05	0.10	0.08	0.13	0.31	0.26	0.30	0.25	0.27	0.20	0.23
135	0.14	0.20	0.15	0.18	0.12	0.15	0.10	0.14	0.10	0.15	0.12	0.17	0.36	0.34	0.38	0.32	0.35	0.31	0.34
140	0.19	0.25	0.20	0.24	0.17	0.22	0.17	0.20	0.17	0.21	0.18	0.23	0.42	0.42	0.46	0.41	0.46	0.40	0.45
145	0.25	0.30	0.26	0.30	0.24	0.29	0.25	0.28	0.23	0.28	0.25	0.29	0.51	0.50	0.53	0.49	0.54	0.51	0.56
150	0.32	0.36	0.32	0.36	0.31	0.35	0.33	0.35	0.31	0.34	0.29	0.34	0.58	0.56	0.61	0.56	0.62	0.59	0.65
155	0.36	0.41	0.37	0.42	0.39	0.42	0.39	0.42	0.36	0.40	0.34	0.40	0.63	0.61	0.62	0.61	0.62	0.64	0.67
160	0.42	0.48	0.44	0.46	0.42	0.47	0.45	0.48	0.42	0.45	0.40	0.46	0.63	0.64	0.63	0.62	0.63	0.65	0.68
165	0.47	0.53	0.47	0.51	0.47	0.52	0.49	0.52	0.46	0.50	0.46	0.51	0.64	0.68	0.64	0.62	0.62	0.65	0.67
170	0.54	0.58	0.54	0.56	0.50	0.56	0.54	0.55	0.49	0.54	0.51	0.57	0.64	0.69	0.64	0.62	0.61	0.65	0.63
175	0.57	0.63	0.56	0.59	0.55	0.57	0.55	0.57	0.55	0.58	0.56	0.63	0.65	0.69	0.63	0.62	0.60	0.63	0.59
180	0.62	0.66	0.62	0.60	0.57	0.57	0.57	0.57	0.57	0.58	0.61	0.64	0.65	0.67	0.63	0.62	0.59	0.60	0.58

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:0.7678A P:18.43W PF:1.000 Freq:0Hz Lamp Flux:1197.19x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:3000K/10x65°	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	1728	1727	1724	1723	1722
5	1582	1593	1597	1615	1624
10	1271	1298	1323	1370	1401
15	937	970	1010	1073	1121
20	661	691	732	795	847
25	461	486	519	572	616
30	327	346	369	407	440
35	240	250	269	295	315
40	183	189	202	215	232
45	142	147	156	165	176
50	111	116	121	129	135
55	87.6	91.3	95.3	102	107
60	68.7	71.7	74.9	80.0	83.8
65	53.7	56.0	58.7	62.8	65.8
70	41.1	43.1	45.2	48.5	50.7
75	30.5	32.0	33.5	35.9	37.3
80	20.9	21.8	22.6	24.0	24.5
85	11.5	11.9	11.8	12.1	11.4
90	1.25	1.18	0.68	0.52	0.25
95	0.02	0.03	0.06	0.03	0.03
100	0.02	0.03	0.04	0.03	0.02
105	0.02	0.04	0.04	0.04	0.04
110	0.02	0.06	0.04	0.06	0.05
115	0.03	0.08	0.05	0.11	0.07
120	0.07	0.12	0.10	0.15	0.12
125	0.12	0.17	0.17	0.21	0.18
130	0.20	0.25	0.23	0.29	0.26
135	0.29	0.34	0.32	0.37	0.34
140	0.40	0.46	0.43	0.46	0.42
145	0.53	0.56	0.51	0.56	0.50
150	0.62	0.65	0.60	0.63	0.58
155	0.67	0.68	0.67	0.69	0.64
160	0.69	0.69	0.69	0.69	0.69
165	0.69	0.68	0.69	0.68	0.70
170	0.68	0.63	0.69	0.68	0.70
175	0.63	0.61	0.67	0.64	0.70
180	0.60	0.60	0.63	0.63	0.68

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: