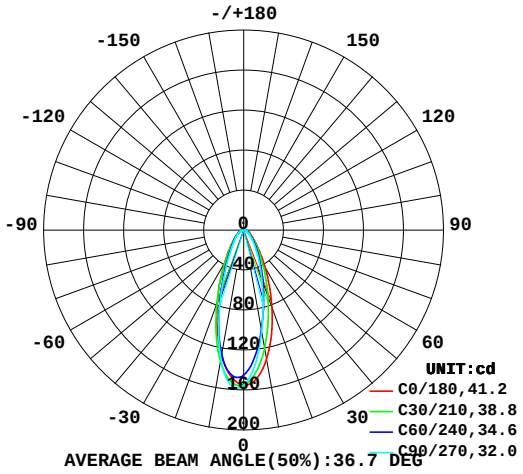
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

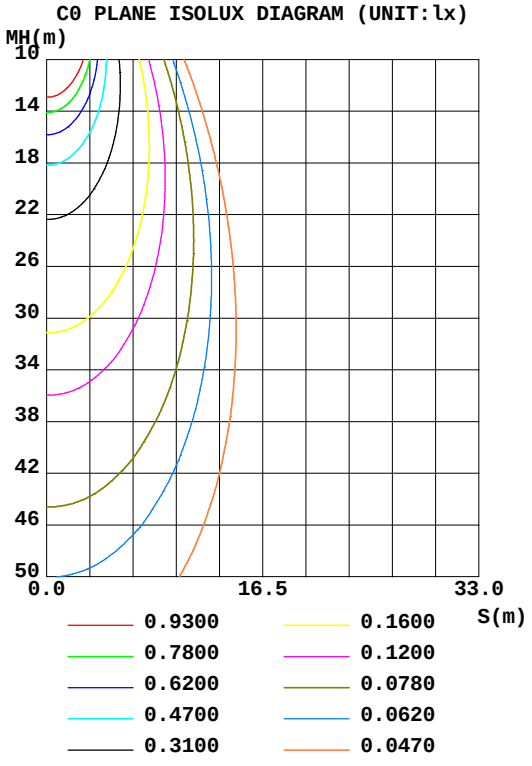
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 21.20 lm/W	
MODEL	HCP-247181-45 - B	Imax(cd)	158.1	S/MH(C0/180)	0.63
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	102.77	η UP,DN(C0-180)	0.0,47.2
NOMINAL FLUX(lm)	102.773	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,52.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	100.0	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	131.6	115.3	103.9	111.8	127.6	133.0	131.7	134.7	0- 10	13.19	13.19	12.8,12.8
20	82.92	64.92	53.91	58.76	77.59	72.36	65.66	75.28	10- 20	26.20	39.38	38.3,38.3
30	43.08	33.20	27.57	28.94	39.34	33.40	29.04	34.96	20- 30	22.38	61.76	60.1,60.1
40	21.26	17.47	14.74	15.55	19.61	17.86	15.73	17.87	30- 40	15.25	77.01	74.9,74.9
50	11.72	9.867	8.398	9.063	11.09	10.72	9.825	10.58	40- 50	10.33	87.35	85,85
60	6.957	5.710	4.833	5.333	6.651	6.432	5.943	6.382	50- 60	7.077	94.43	91.9,91.9
70	4.120	3.285	2.750	3.105	3.927	3.743	3.380	3.775	60- 70	4.618	99.04	96.4,96.4
80	2.052	1.524	1.261	1.456	1.951	1.913	1.773	2.023	70- 80	2.742	101.8	99,99
90	0.0005	0	0	0	0	0.3969	0.5174	0.4062	80- 90	0.9650	102.8	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0216	102.8	100,100
110	0	0	0	0	0	0	0	0	100-110	0	102.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0	102.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0	102.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	102.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	102.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	102.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	102.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	102.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 82.657 lm

%lum = 80.4%
%lamp = 80.4%

Conical surface Flux(120deg): 94.426 lm

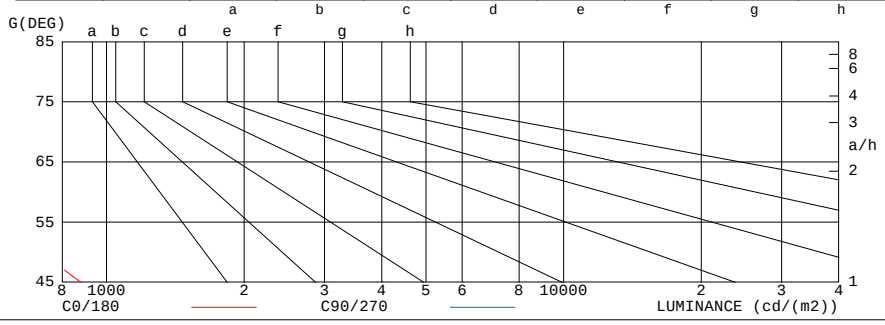
%lum = 91.9%
%lamp = 91.9%

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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	461	136
80	473	290
75	472	304
70	482	322
65	509	348
60	557	387
55	628	443
50	729	523
45	879	627

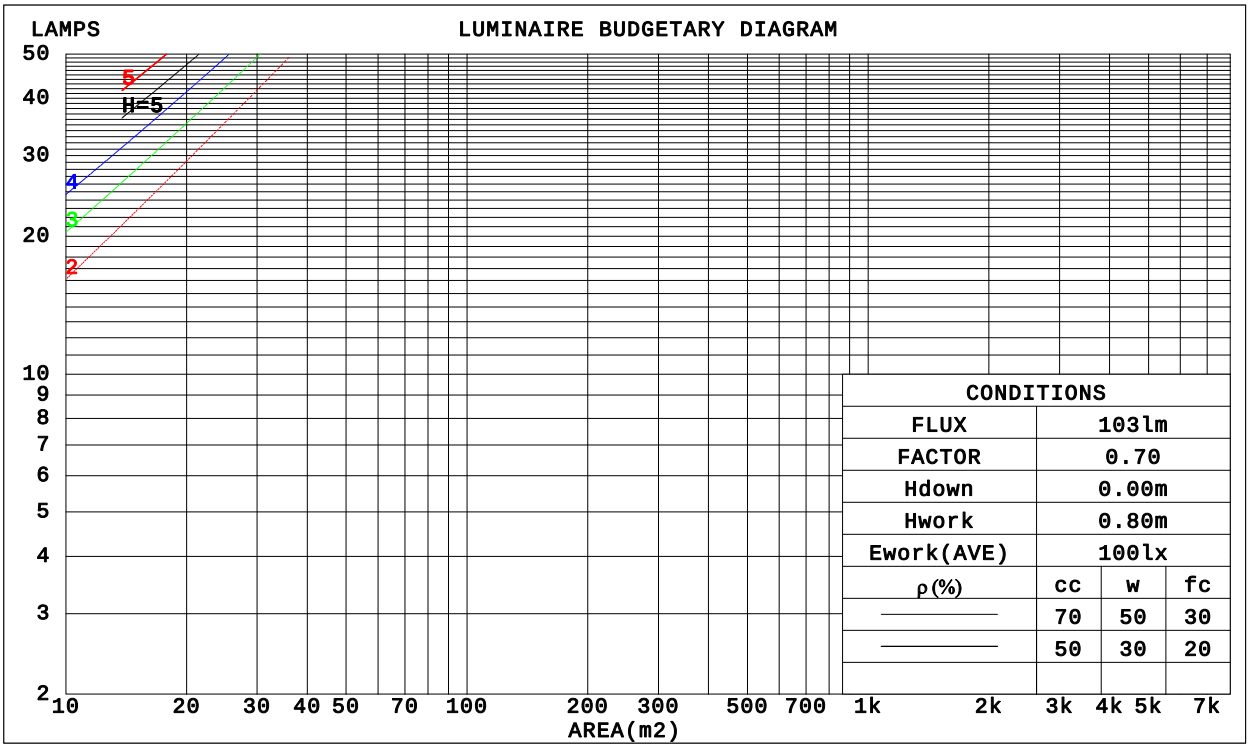
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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	1.05	1.03	1.06	1.04	1.01	1.02	.00	.98	.98	.97	.95	.95	.94	.92	.90
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.83	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.85	.81	.77	.82	.79	.76	.74
4.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.79	.74	.71	.77	.73	.70	.68
5.0	.78	.72	.67	.77	.71	.66	.76	.70	.66	.74	.69	.65	.72	.68	.65	.63
6.0	.73	.67	.62	.72	.66	.61	.71	.65	.61	.69	.64	.61	.68	.64	.60	.59
7.0	.69	.62	.57	.68	.62	.57	.67	.61	.57	.65	.60	.57	.64	.60	.56	.55
8.0	.65	.58	.54	.64	.58	.53	.63	.57	.53	.62	.57	.53	.61	.56	.53	.51
9.0	.61	.55	.50	.61	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.48
10.0	.58	.52	.48	.57	.51	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.46



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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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	.221	.125	.040	.214	.122	.039	.201	.115	.037	.189	.109	.035	.178	.103	.033	
2.0	.208	.114	.035	.202	.111	.034	.191	.106	.033	.181	.101	.032	.171	.097	.031	
3.0	.194	.103	.031	.189	.101	.030	.180	.097	.030	.171	.094	.029	.163	.090	.028	
4.0	.181	.094	.028	.177	.093	.027	.169	.090	.027	.161	.087	.026	.154	.084	.025	
5.0	.170	.087	.025	.166	.085	.025	.159	.083	.024	.152	.080	.024	.146	.078	.023	
6.0	.160	.080	.023	.156	.079	.023	.150	.077	.022	.144	.075	.022	.139	.073	.022	
7.0	.150	.074	.021	.147	.073	.021	.142	.072	.021	.137	.070	.020	.132	.068	.020	
8.0	.142	.069	.020	.140	.069	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019	
9.0	.135	.065	.018	.132	.065	.018	.128	.063	.018	.124	.062	.018	.120	.061	.018	
10.0	.128	.061	.017	.126	.061	.017	.122	.060	.017	.118	.059	.017	.114	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.174	.157	.142	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.094	.095	.079	.065	.055	.046	.038	.018	.015	.012	
3.0	.150	.114	.085	.129	.098	.074	.088	.068	.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	.088	.056	.113	.076	.049	.078	.053	.035	.045	.031	.021	.015	.010	.007	
6.0	.124	.079	.047	.107	.069	.041	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.101	.062	.035	.070	.044	.025	.041	.026	.015	.013	.008	.005	
8.0	.111	.066	.034	.096	.057	.030	.066	.040	.021	.039	.024	.013	.012	.008	.004	
9.0	.106	.060	.030	.091	.052	.026	.063	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.101	.056	.026	.087	.049	.023	.060	.034	.016	.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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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	17.1	18.2	17.3	18.3	18.5	15.4	16.5	15.7	16.7	16.9
3H	18.1	19.1	18.3	19.3	19.5	16.3	17.3	16.5	17.5	17.7
4H	18.6	19.5	18.8	19.8	20.0	16.6	17.6	16.9	17.8	18.1
6H	19.0	19.9	19.3	20.2	20.4	16.9	17.8	17.2	18.1	18.4
8H	19.2	20.1	19.5	20.3	20.6	17.0	17.9	17.4	18.2	18.4
12H	19.3	20.1	19.6	20.4	20.7	17.1	17.9	17.4	18.2	18.5
4H 2H	17.3	18.2	17.6	18.5	18.7	15.9	16.9	16.2	17.1	17.3
3H	18.5	19.3	18.8	19.6	19.9	16.9	17.8	17.3	18.1	18.3
4H	19.1	19.9	19.5	20.2	20.5	17.4	18.2	17.8	18.5	18.8
6H	19.7	20.4	20.1	20.7	21.1	17.9	18.5	18.2	18.9	19.2
8H	20.0	20.6	20.4	20.9	21.3	18.0	18.6	18.4	19.0	19.4
12H	20.1	20.7	20.6	21.1	21.5	18.0	18.6	18.5	19.0	19.4
8H 4H	19.2	19.9	19.6	20.2	20.6	17.7	18.3	18.1	18.7	19.1
6H	20.0	20.5	20.4	20.9	21.3	18.3	18.8	18.7	19.2	19.6
8H	20.3	20.8	20.8	21.2	21.6	18.5	19.0	19.0	19.4	19.8
12H	20.6	21.0	21.0	21.4	21.9	18.6	19.0	19.0	19.4	19.9
12H 4H	19.2	19.8	19.6	20.2	20.6	17.7	18.3	18.2	18.7	19.1
6H	20.0	20.5	20.4	20.9	21.3	18.4	18.8	18.8	19.3	19.7
8H	20.4	20.8	20.8	21.2	21.7	18.6	19.0	19.1	19.5	19.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.5 / - 0.4					+ 0.3 / - 0.4				
2.0H	+ 0.8 / - 0.5					+ 0.6 / - 0.6				

CIE Pub.117, 102.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.9)

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:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

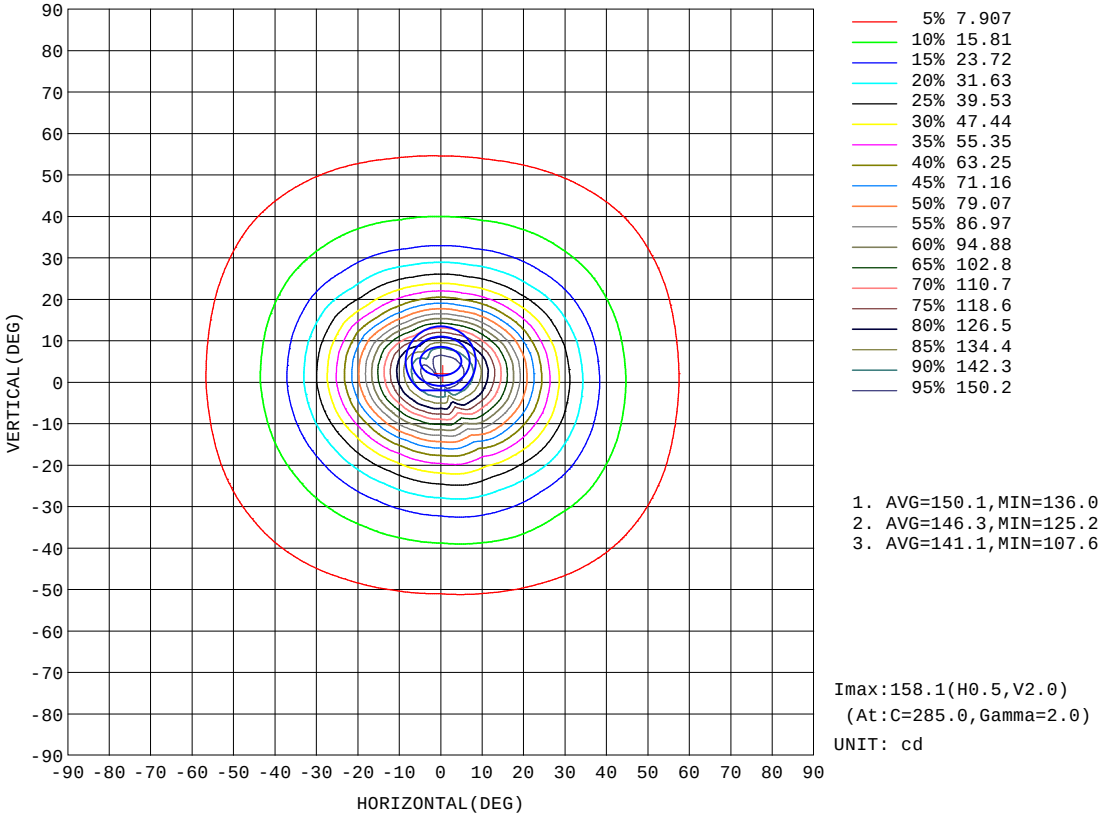
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	76	68	63	75	67	63	74	67	62	58
0.80	85	76	71	84	76	71	82	75	71	66
1.00	91	83	78	90	82	78	88	83	77	72
1.25	96	89	84	95	88	83	92	87	83	77
1.50	99	93	88	98	92	87	95	90	86	81
2.00	104	98	93	102	97	93	99	95	91	85
2.50	106	101	97	104	99	96	101	97	94	87
3.00	108	103	100	106	102	99	103	99	96	89
4.00	111	107	104	109	105	103	105	102	100	92
5.00	113	109	107	110	107	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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



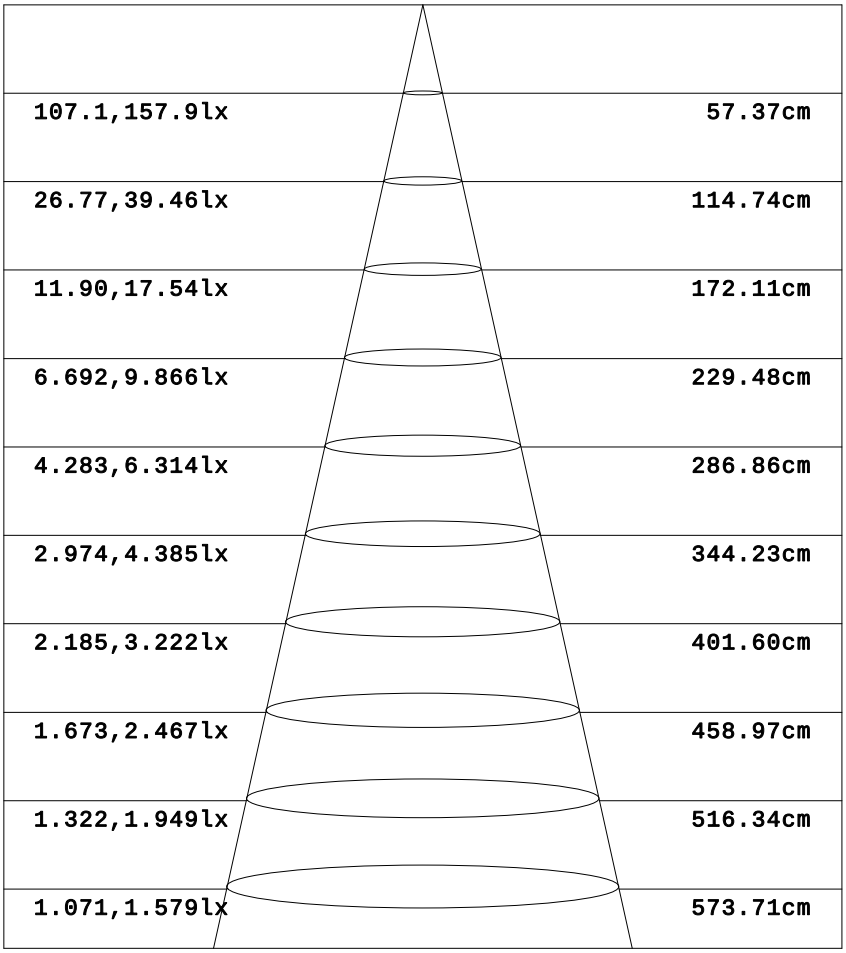
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

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:

AAI Figure

Test:U:24.00V I:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Flux out:31.44 lm



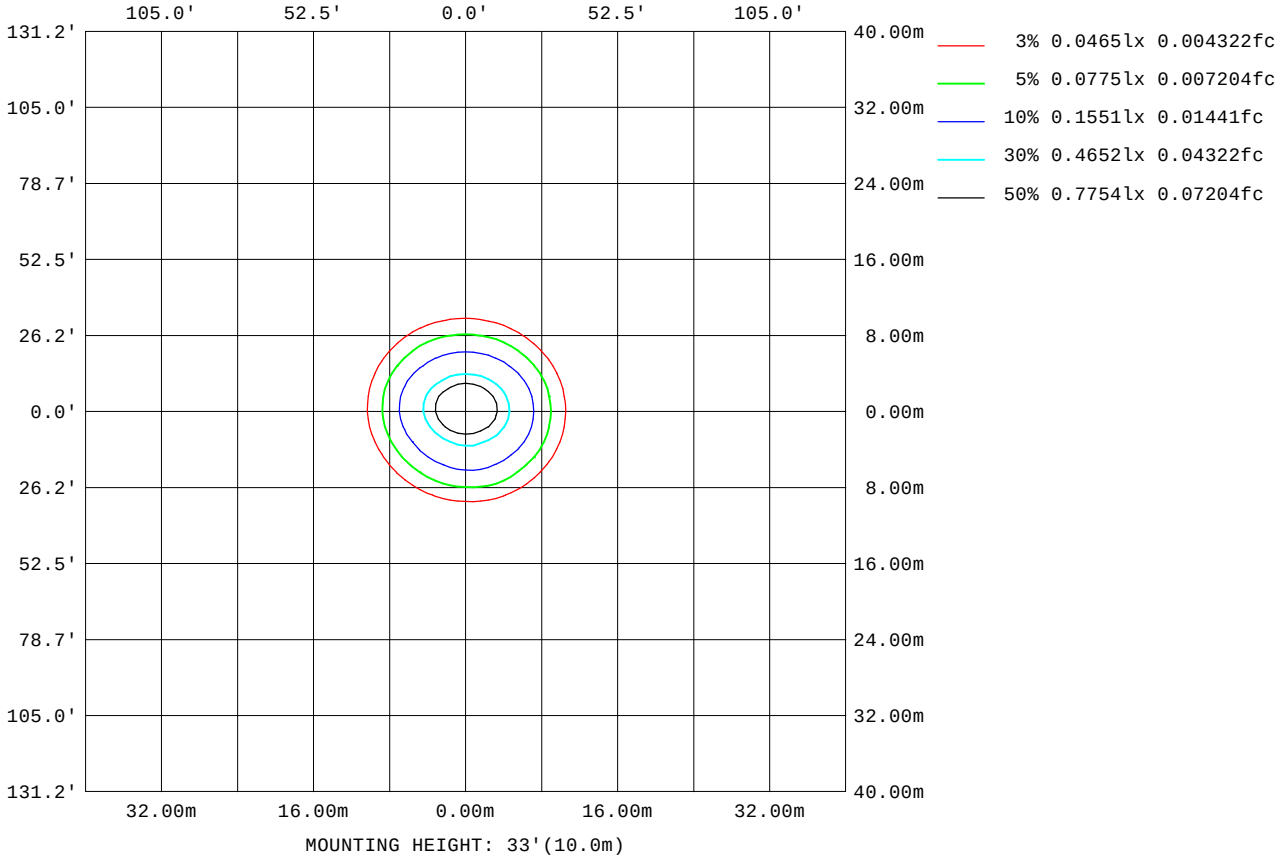
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

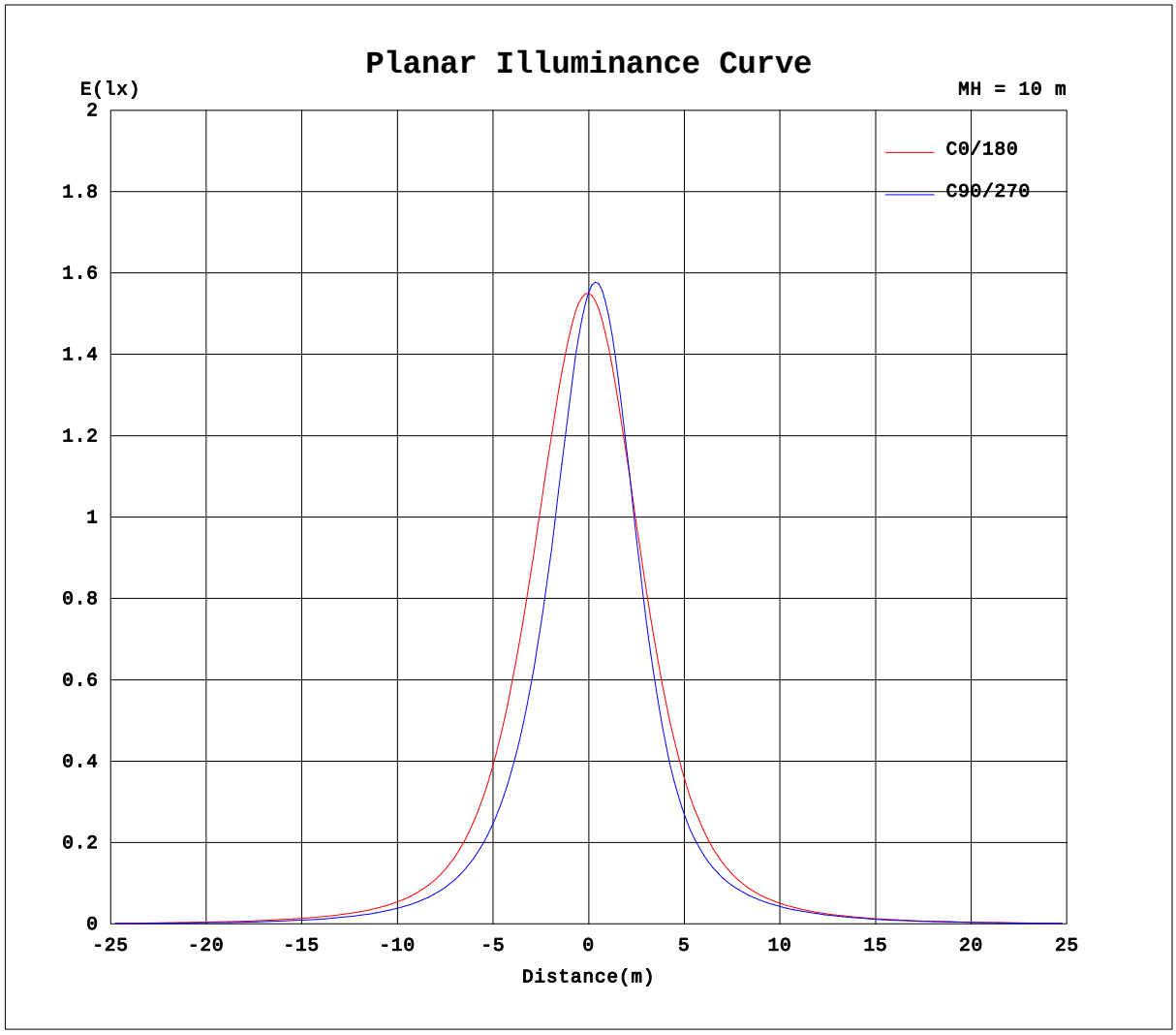
AvgL	cd/m2
L_0~180(65)av	497
L_0~180(75)av	461
L_0~180(85)av	449
L_90~270(65)av	387
L_90~270(75)av	345
L_90~270(85)av	335
L_45(65)av	433
L_45(75)av	396
L_45(85)av	406

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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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	155	155	155	155	145	156	155	156	155	156	156	156	155	155	155	155	145	156	155
5	149	147	143	140	128	136	135	136	136	139	141	145	147	149	152	153	145	154	155
10	132	127	120	115	102	107	104	105	107	112	116	123	128	131	134	133	127	131	132
15	108	103	94.9	88.4	77.5	78.7	75.7	76.2	77.3	82.9	88.8	96.7	103	106	107	103	96.9	97.3	97.1
20	82.9	78.7	71.4	64.9	57.2	56.9	53.9	53.8	54.6	58.8	64.0	71.7	77.6	80.0	79.3	72.4	67.6	65.9	65.7
25	60.8	57.8	52.1	46.3	41.8	40.9	38.5	38.0	38.3	41.1	45.0	51.1	56.0	57.3	55.9	49.0	46.0	43.5	43.0
30	43.1	41.2	37.7	33.2	30.5	29.4	27.6	27.1	27.3	28.9	31.6	35.8	39.3	40.0	38.4	33.4	31.7	29.4	29.0
35	30.1	29.1	27.0	24.0	22.6	21.2	20.0	19.7	19.8	20.9	22.5	25.1	27.5	27.8	26.7	23.9	22.5	21.1	20.8
40	21.3	20.7	19.5	17.5	16.7	15.6	14.7	14.6	14.8	15.5	16.6	18.2	19.6	19.8	19.2	17.9	16.9	15.9	15.7
45	15.5	15.2	14.3	13.2	12.4	11.7	11.1	11.1	11.2	11.8	12.5	13.6	14.5	14.7	14.4	13.7	13.1	12.5	12.4
50	11.7	11.4	10.7	9.87	9.28	8.76	8.40	8.42	8.60	9.06	9.63	10.5	11.1	11.2	11.1	10.7	10.4	9.97	9.83
55	9.01	8.69	8.08	7.53	6.97	6.60	6.35	6.38	6.56	6.95	7.43	8.09	8.60	8.71	8.64	8.35	8.13	7.83	7.73
60	6.96	6.66	6.17	5.71	5.29	4.99	4.83	4.85	5.02	5.33	5.75	6.24	6.65	6.75	6.66	6.43	6.24	6.02	5.94
65	5.38	5.11	4.74	4.36	4.03	3.78	3.68	3.68	3.85	4.10	4.45	4.83	5.13	5.21	5.11	4.92	4.73	4.56	4.50
70	4.12	3.91	3.61	3.28	3.03	2.83	2.75	2.76	2.90	3.11	3.40	3.68	3.93	4.00	3.90	3.74	3.56	3.44	3.38
75	3.05	2.86	2.63	2.37	2.18	2.02	1.96	1.97	2.09	2.25	2.48	2.70	2.91	2.99	2.92	2.79	2.63	2.54	2.49
80	2.05	1.87	1.71	1.52	1.41	1.29	1.26	1.26	1.35	1.46	1.62	1.77	1.95	2.07	2.01	1.91	1.86	1.82	1.77
85	1.00	0.81	0.66	0.52	0.40	0.32	0.30	0.32	0.39	0.50	0.62	0.75	0.95	1.00	1.08	1.24	1.20	1.20	1.16
90	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	0.06	0.24	0.40	0.47	0.52	0.52
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
180	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

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:0.2020A P:4.848W PF:1.000 Freq:0Hz Lamp Flux:102.773x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:B/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	156	155	156	156	156
5	155	155	154	154	152
10	132	133	135	136	135
15	97.5	101	105	109	110
20	66.0	70.1	75.3	81.4	84.2
25	43.5	46.9	51.5	57.3	60.9
30	29.4	31.8	35.0	39.5	42.6
35	21.0	22.5	24.4	27.4	29.6
40	15.8	16.7	17.9	19.6	20.9
45	12.4	12.9	13.6	14.6	15.3
50	9.84	10.2	10.6	11.2	11.6
55	7.72	7.97	8.24	8.68	8.98
60	5.97	6.15	6.38	6.72	6.95
65	4.54	4.70	4.92	5.19	5.39
70	3.43	3.56	3.77	3.98	4.15
75	2.55	2.66	2.84	3.00	3.11
80	1.83	1.88	2.02	2.11	2.15
85	1.20	1.21	1.28	1.27	1.19
90	0.52	0.47	0.41	0.26	0.10
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	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00

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: