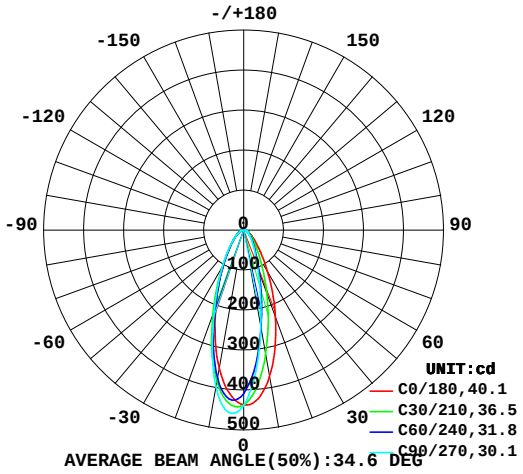
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

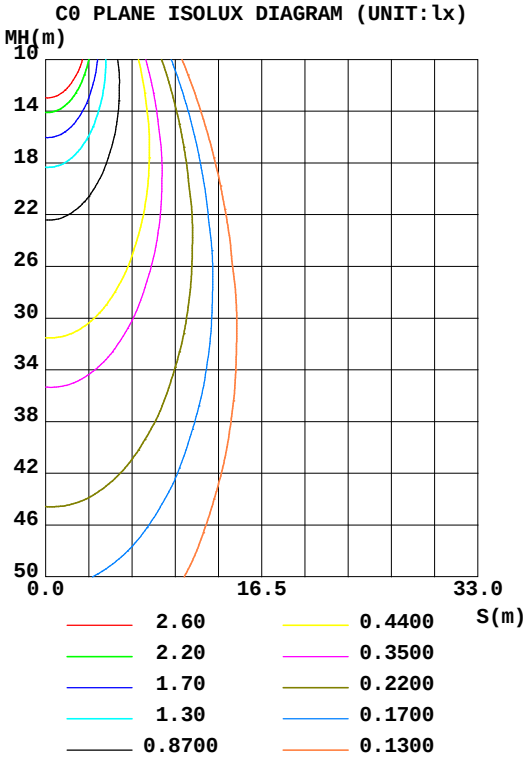
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 59.82 lm/W	
MODEL	HCP-247181-45 - 3K	Imax(cd)	459.7	S/MH(C0/180)	0.61
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.64
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	278.50	η UP,DN(C0-180)	0.0,41.3
NOMINAL FLUX(lm)	278.495	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,58.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):34.6 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	372.4	293.5	248.6	281.2	351.5	391.3	399.5	406.9	0- 10	36.91	36.91	13.3,13.3
20	233.9	140.8	105.4	131.2	205.5	217.4	216.1	247.7	10- 20	71.79	108.7	39,39
30	119.8	65.39	51.22	62.72	102.7	100.7	107.5	126.5	20- 30	61.02	169.7	60.9,60.9
40	58.36	35.82	30.42	35.60	50.87	51.65	53.91	63.50	30- 40	41.65	211.4	75.9,75.9
50	31.36	22.11	18.87	21.84	28.66	28.72	29.15	33.07	40- 50	27.65	239.0	85.8,85.8
60	18.19	13.35	11.02	12.96	17.04	16.44	16.04	17.92	50- 60	18.33	257.3	92.4,92.4
70	10.63	7.846	6.300	7.534	10.01	9.293	8.648	9.918	60- 70	11.64	269.0	96.6,96.6
80	5.341	3.802	2.977	3.628	5.082	4.750	4.501	5.242	70- 80	6.862	275.8	99,99
90	0.0023	0	0.0143	0	0	0.9832	1.438	1.075	80- 90	2.522	278.4	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0618	278.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0	278.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	278.4	100,100
130	0	0	0	0	0.0276	0	0	0	120-130	0.0004	278.4	100,100
140	0	0.0047	0	0.0093	0.0552	0.0368	0.0322	0	130-140	0.0050	278.4	100,100
150	0	0.0368	0.0182	0.0414	0.0643	0.0368	0.0781	0.0367	140-150	0.0175	278.4	100,100
160	0.0091	0.0552	0.0322	0.0644	0.0643	0.0597	0.0781	0.0827	150-160	0.0236	278.5	100,100
170	0.0276	0.0552	0.0368	0.0689	0.0643	0.0643	0.0735	0.1057	160-170	0.0183	278.5	100,100
180	0.0552	0.0552	0.0506	0.0689	0.0643	0.0643	0.0735	0.0919	170-180	0.0065	278.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 226.56 lm

%lum = 81.4%
%lamp = 81.4%

Conical surface Flux(120deg): 257.34 lm

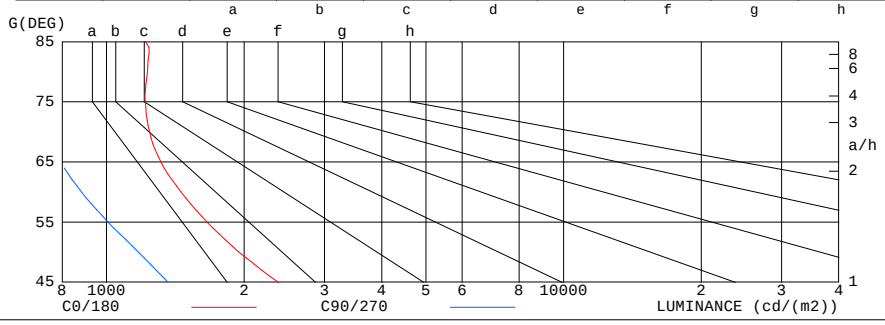
%lum = 92.4%
%lamp = 92.4%

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/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	1218	376
80	1230	686
75	1216	702
70	1243	737
65	1317	794
60	1455	882
55	1660	1008
50	1951	1175
45	2377	1363

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:

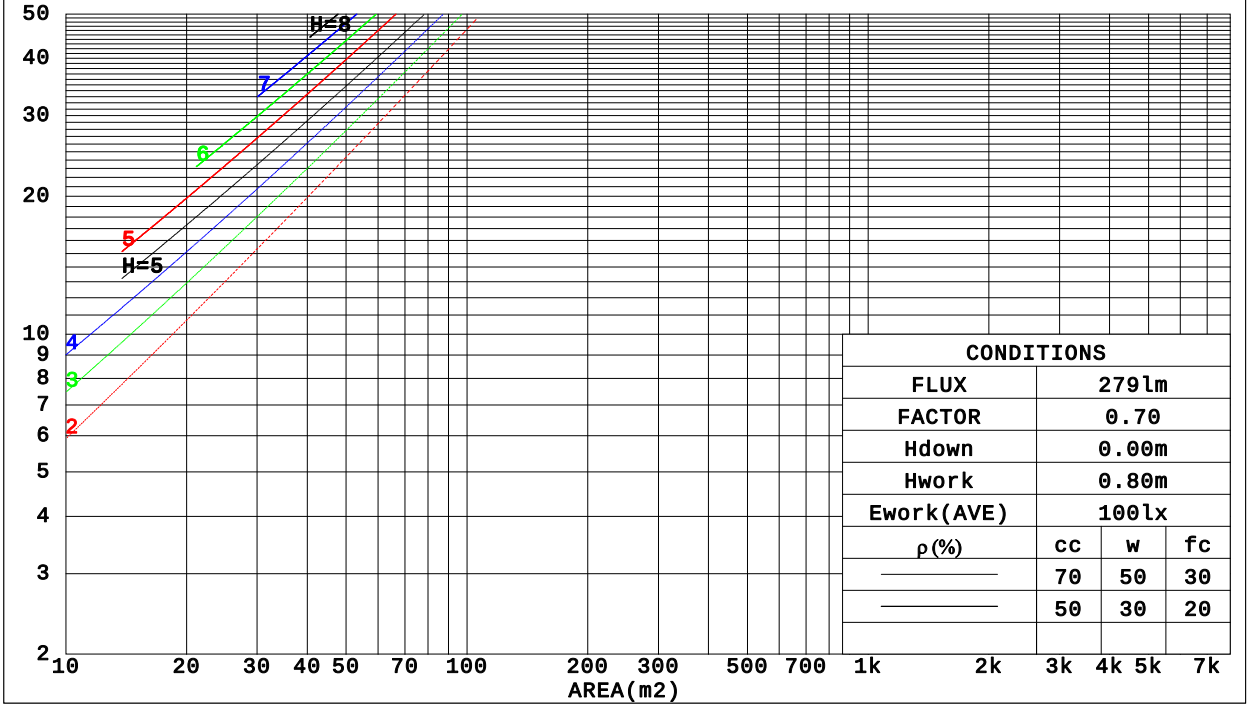
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/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	.91
2.0	.00	.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	.58	.54	.63	.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	.58	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.56	.51	.48	.46

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	279lm		
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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/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	.217	.124	.039	.210	.120	.038	.198	.113	.036	.186	.107	.034	.175	.101	.033	
2.0	.205	.112	.034	.199	.109	.034	.188	.104	.032	.178	.100	.031	.168	.095	.030	
3.0	.191	.102	.030	.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	.155	.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	.067	.019	.128	.065	.019	.124	.064	.019	
9.0	.133	.065	.018	.131	.064	.018	.127	.063	.018	.122	.061	.018	.118	.060	.017	
10.0	.127	.061	.017	.125	.060	.017	.121	.059	.017	.117	.058	.017	.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	.157	.142	.149	.135	.122	.102	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.161	.133	.109	.138	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.150	.114	.086	.128	.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	.131	.088	.057	.113	.077	.049	.078	.053	.035	.045	.031	.021	.015	.010	.007	
6.0	.124	.079	.048	.106	.069	.041	.073	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.101	.062	.035	.069	.044	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.066	.035	.095	.057	.030	.066	.040	.022	.038	.024	.013	.012	.008	.004	
9.0	.105	.061	.030	.091	.053	.026	.063	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.100	.056	.027	.086	.049	.023	.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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/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	16.4	17.5	16.7	17.7	17.8	13.9	15.0	14.2	15.2	15.4
	3H	17.5	18.5	17.7	18.7	18.9	14.8	15.8	15.1	16.1	16.3
	4H	18.0	19.0	18.3	19.2	19.4	15.3	16.2	15.5	16.4	16.7
	6H	18.5	19.4	18.8	19.6	19.9	15.6	16.5	15.9	16.8	17.0
	8H	18.7	19.5	19.0	19.8	20.1	15.7	16.6	16.1	16.9	17.1
	12H	18.8	19.7	19.2	19.9	20.2	15.8	16.6	16.1	16.9	17.2
4H	2H	16.6	17.5	16.9	17.8	18.0	14.5	15.5	14.8	15.7	15.9
	3H	17.9	18.7	18.2	19.0	19.2	15.6	16.5	16.0	16.7	17.0
	4H	18.5	19.3	18.9	19.6	19.9	16.2	16.9	16.5	17.2	17.5
	6H	19.2	19.8	19.6	20.2	20.5	16.6	17.3	17.0	17.7	18.0
	8H	19.4	20.1	19.8	20.4	20.8	16.8	17.4	17.2	17.8	18.2
	12H	19.7	20.2	20.1	20.6	21.0	16.9	17.5	17.3	17.8	18.2
8H	4H	18.6	19.3	19.0	19.6	20.0	16.5	17.1	16.9	17.5	17.9
	6H	19.4	19.9	19.9	20.3	20.8	17.1	17.7	17.6	18.1	18.5
	8H	19.8	20.2	20.2	20.7	21.1	17.4	17.9	17.9	18.3	18.7
	12H	20.1	20.5	20.6	20.9	21.4	17.5	17.9	18.0	18.3	18.8
12H	4H	18.6	19.2	19.0	19.6	20.0	16.6	17.1	17.0	17.5	17.9
	6H	19.4	19.9	19.9	20.3	20.8	17.3	17.7	17.7	18.1	18.6
	8H	19.8	20.2	20.3	20.7	21.1	17.5	17.9	18.0	18.4	18.9
Variations with the observer position at spacings:											
S = 1.0H		+ 0.5 / - 0.4					+ 0.3 / - 0.4				
1.5H		+ 0.9 / - 0.5					+ 0.1 / - 0.3				
2.0H		+ 1.0 / - 0.6					+ 0.4 / - 0.6				

CIE Pub.117, 278.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.4)

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

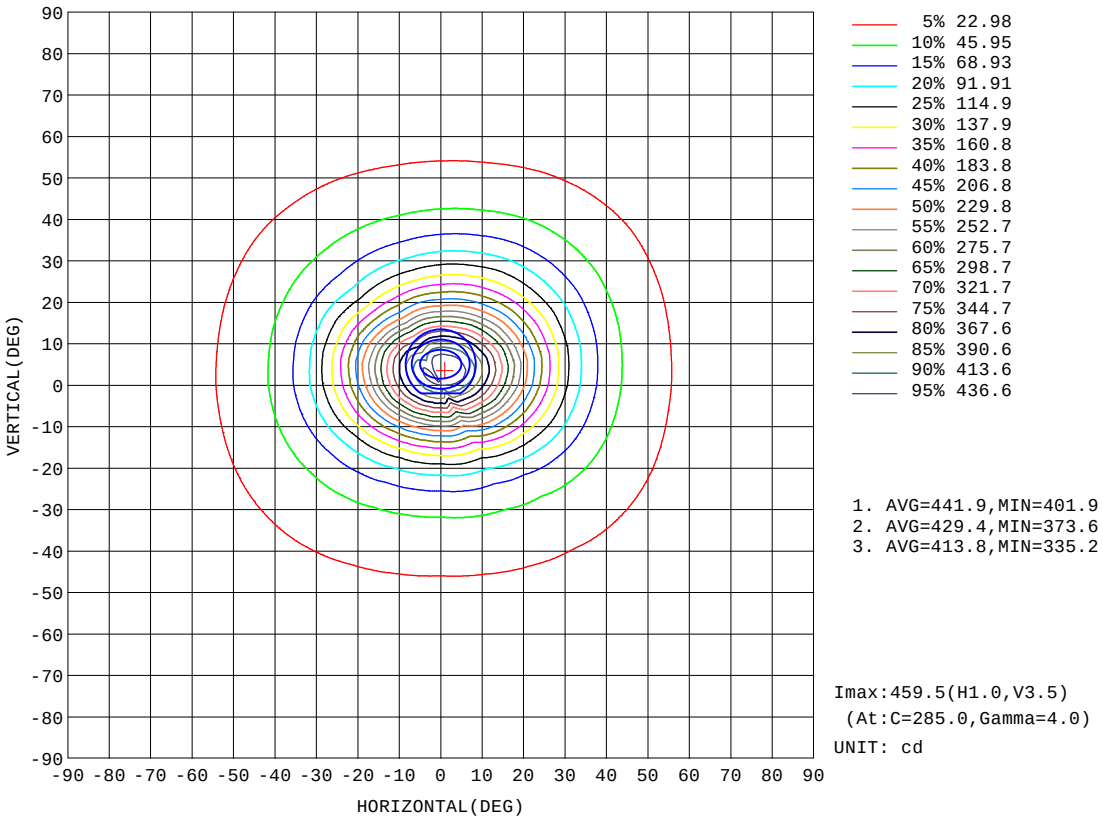
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	77	68	63	76	68	63	75	68	63	59
0.80	85	77	72	84	77	72	83	76	72	67
1.00	91	83	79	90	83	78	88	83	78	73
1.25	96	89	84	95	88	84	93	87	83	78
1.50	100	93	89	98	92	88	96	91	87	81
2.00	104	98	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	103	100	97	90
4.00	111	107	104	109	106	103	105	102	100	92
5.00	113	110	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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



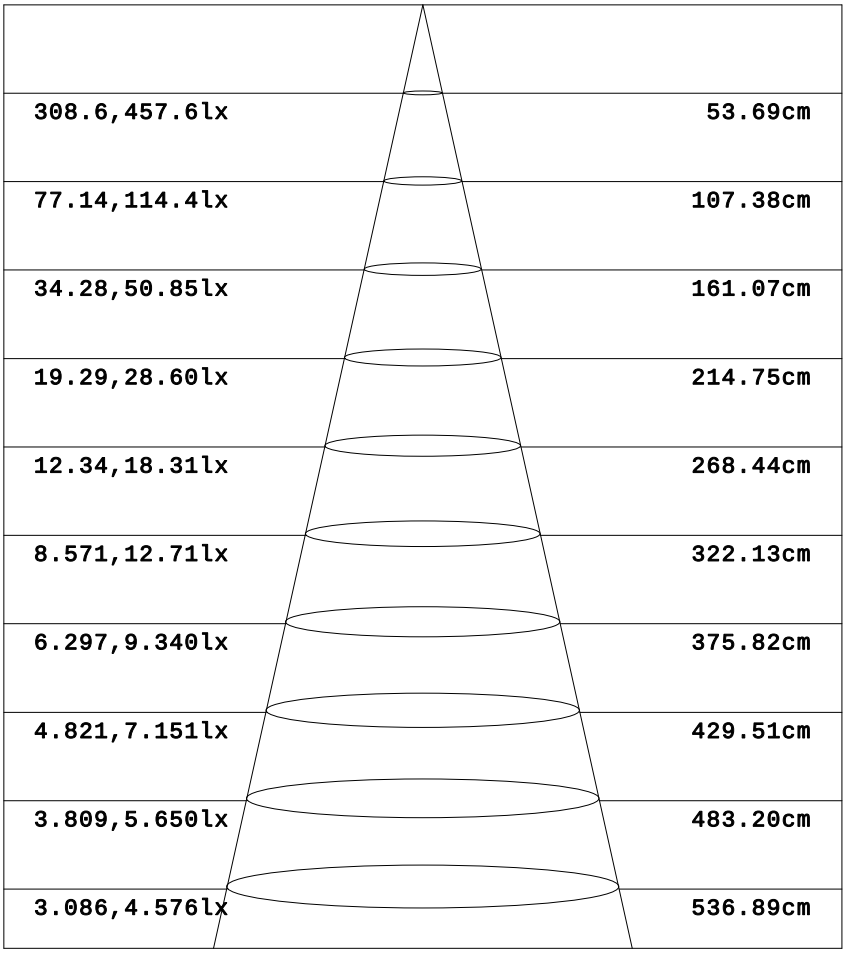
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Flux out:79.71 lm



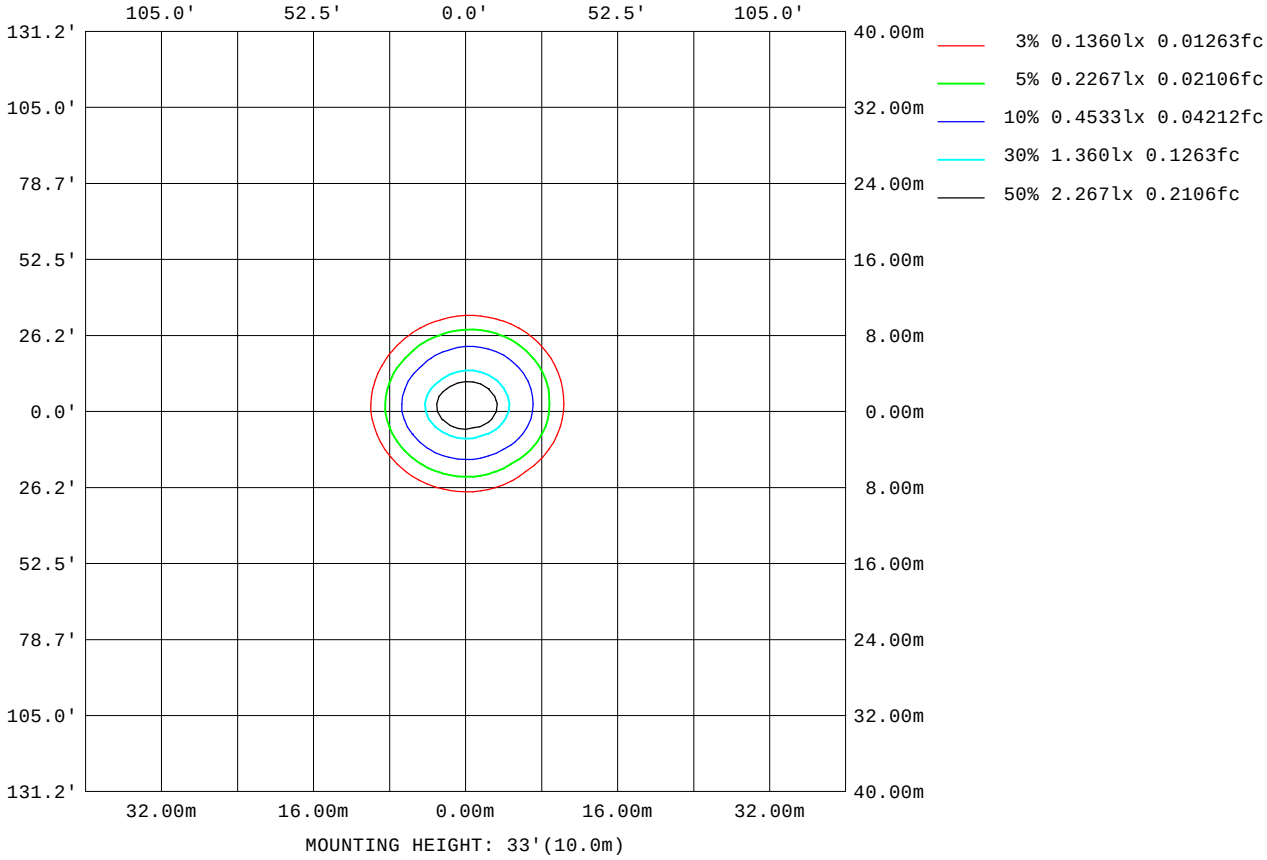
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/30*45°	DIM.:	SERIAL No.:
MFR.: HOLALUX	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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

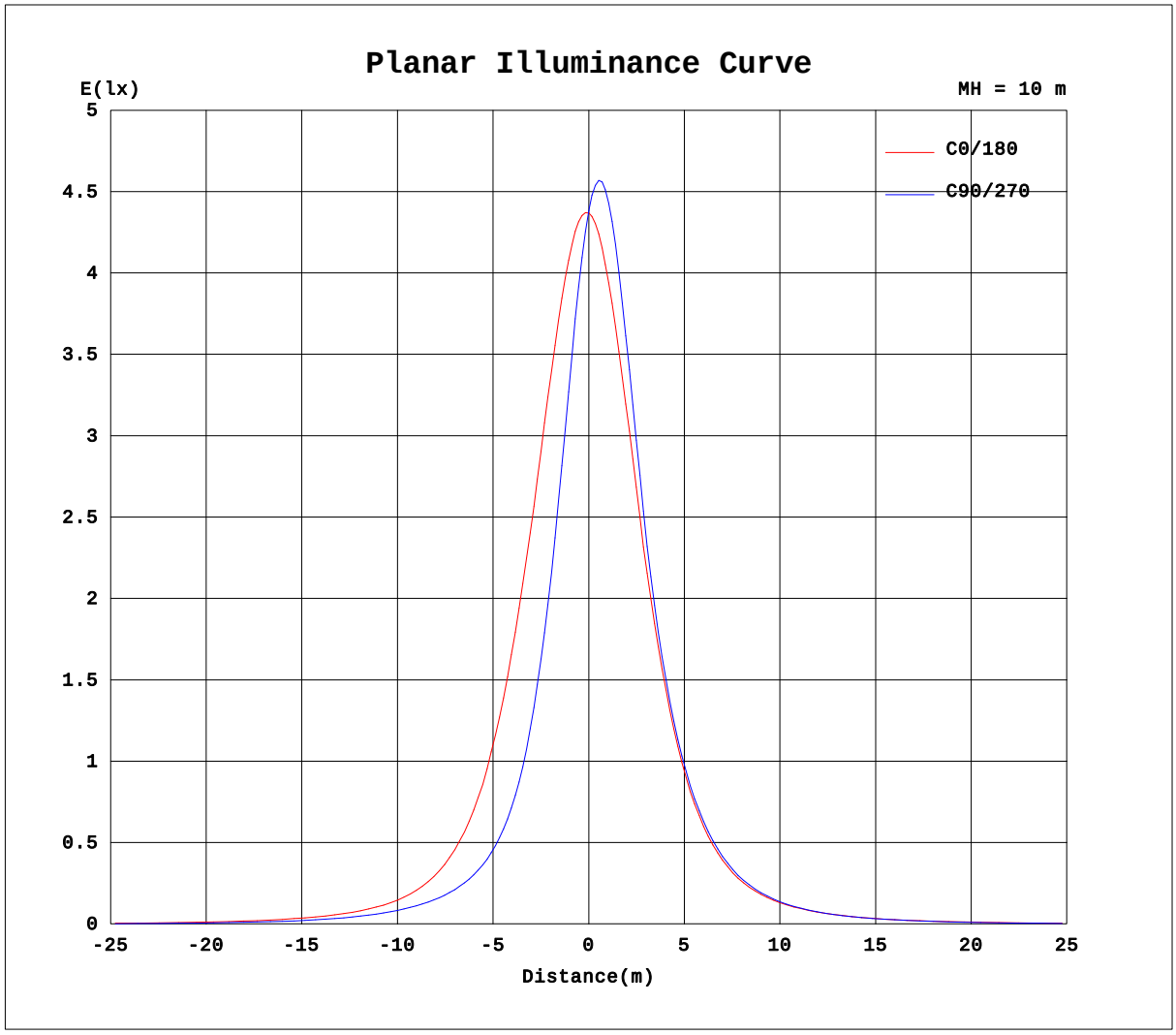
AvgL	cd/m2
L_0~180(65)av	1278
L_0~180(75)av	1184
L_0~180(85)av	1197
L_90~270(65)av	956
L_90~270(75)av	838
L_90~270(85)av	887
L_45(65)av	1084
L_45(75)av	985
L_45(85)av	1074

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/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	437	437	437	438	409	440	439	440	439	441	441	441	437	437	437	438	409	440	439
5	423	409	392	380	340	360	354	359	362	375	385	400	410	422	434	443	424	454	456
10	372	349	316	294	250	254	249	251	262	281	302	331	352	370	386	391	377	396	400
15	304	274	238	206	172	169	164	166	176	194	221	250	277	298	310	306	294	302	306
20	234	203	170	141	115	111	105	108	115	131	153	181	205	224	227	217	207	215	216
25	171	146	118	94.5	78.8	75.3	71.5	73.2	77.9	89.0	104	127	147	160	159	149	146	149	153
30	120	102	82.2	65.4	56.2	53.7	51.2	52.3	55.5	62.7	72.9	88.0	103	110	110	101	103	103	108
35	83.3	71.5	58.4	47.5	42.8	40.3	38.8	39.6	41.7	46.3	52.6	62.1	71.6	75.8	75.6	71.2	72.0	72.2	75.7
40	58.4	50.9	42.9	35.8	33.4	31.4	30.4	31.1	32.6	35.6	39.5	45.1	50.9	53.3	53.3	51.6	51.8	51.8	53.9
45	42.0	37.5	32.4	28.3	26.2	24.8	24.1	24.6	25.8	27.9	30.5	34.1	37.6	38.9	38.9	38.1	38.2	38.1	39.2
50	31.4	28.4	25.0	22.1	20.5	19.4	18.9	19.3	20.2	21.8	23.8	26.3	28.7	29.4	29.3	28.7	28.7	28.5	29.1
55	23.8	21.8	19.3	17.3	15.7	14.9	14.4	14.8	15.5	16.9	18.4	20.4	22.1	22.5	22.4	21.8	21.6	21.3	21.7
60	18.2	16.8	14.8	13.4	12.1	11.4	11.0	11.3	11.9	13.0	14.2	15.8	17.0	17.3	17.0	16.4	16.2	15.9	16.0
65	13.9	12.9	11.4	10.3	9.26	8.69	8.39	8.59	9.05	9.93	10.9	12.1	13.1	13.2	13.0	12.3	12.0	11.7	11.8
70	10.6	9.90	8.77	7.85	7.01	6.54	6.30	6.44	6.82	7.53	8.32	9.27	10.0	10.1	9.85	9.29	8.93	8.60	8.65
75	7.87	7.30	6.44	5.75	5.10	4.74	4.54	4.65	4.94	5.49	6.10	6.84	7.45	7.55	7.38	6.92	6.58	6.29	6.30
80	5.34	4.88	4.25	3.80	3.36	3.11	2.98	3.06	3.25	3.63	4.02	4.55	5.08	5.24	5.07	4.75	4.70	4.51	4.50
85	2.65	2.22	1.68	1.45	1.07	0.96	0.82	0.94	1.04	1.37	1.59	2.02	2.56	2.53	2.90	3.16	3.11	3.05	3.04
90	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.21	0.69	0.98	1.27	1.33	1.44
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	0.03	0.00	0.01	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	0.04	0.00	0.03	0.00	0.01	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.06	0.03	0.05	0.04	0.04	0.00	0.03
145	0.00	0.01	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.06	0.03	0.07	0.04	0.06	0.03	0.06
150	0.00	0.03	0.00	0.04	0.00	0.04	0.02	0.04	0.01	0.04	0.00	0.04	0.06	0.04	0.09	0.04	0.07	0.03	0.08
155	0.00	0.04	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.03	0.05	0.06	0.06	0.09	0.05	0.07	0.05	0.08
160	0.01	0.05	0.04	0.06	0.03	0.05	0.03	0.05	0.03	0.06	0.04	0.07	0.06	0.06	0.09	0.06	0.07	0.06	0.08
165	0.03	0.06	0.04	0.06	0.03	0.05	0.03	0.05	0.03	0.07	0.04	0.08	0.06	0.10	0.09	0.06	0.07	0.08	0.08
170	0.03	0.06	0.04	0.06	0.03	0.05	0.04	0.05	0.03	0.07	0.04	0.09	0.06	0.09	0.09	0.06	0.06	0.08	0.07
175	0.04	0.08	0.04	0.06	0.04	0.05	0.04	0.05	0.04	0.07	0.05	0.10	0.06	0.09	0.09	0.06	0.06	0.08	0.07
180	0.06	0.08	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.07	0.08	0.10	0.06	0.09	0.09	0.06	0.06	0.08	0.07

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:0.1940A P:4.656W PF:1.000 Freq:0Hz Lamp Flux:278.495x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:W/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	440	439	441	441	441
5	457	456	453	448	439
10	401	407	407	406	395
15	310	322	329	335	327
20	226	235	248	254	254
25	161	170	180	186	187
30	112	121	127	133	131
35	79.5	85.7	89.6	93.2	91.1
40	56.5	60.7	63.5	65.5	63.6
45	40.8	43.7	45.5	46.6	45.4
50	30.1	31.9	33.1	33.9	33.3
55	22.2	23.5	24.2	25.1	24.9
60	16.4	17.2	17.9	18.7	18.8
65	12.0	12.7	13.3	14.1	14.3
70	8.82	9.38	9.92	10.6	10.9
75	6.43	6.88	7.34	7.92	8.11
80	4.60	4.91	5.24	5.62	5.65
85	3.10	3.25	3.37	3.45	3.19
90	1.36	1.34	1.08	0.81	0.32
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	0.02	0.00
140	0.00	0.03	0.00	0.05	0.05
145	0.03	0.06	0.03	0.06	0.05
150	0.04	0.09	0.04	0.09	0.05
155	0.06	0.10	0.06	0.10	0.05
160	0.09	0.10	0.08	0.11	0.08
165	0.09	0.09	0.10	0.11	0.10
170	0.09	0.09	0.11	0.10	0.10
175	0.09	0.07	0.11	0.10	0.11
180	0.09	0.07	0.09	0.09	0.11

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: