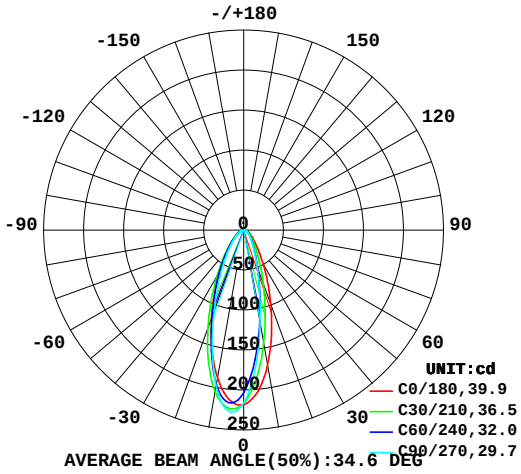
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

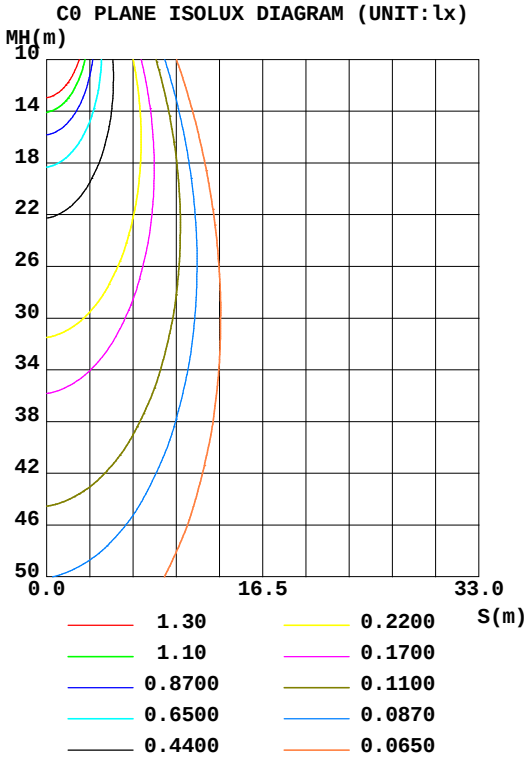
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 28.30 lm/W	
MODEL	HCP-247181-45-R	Imax(cd)	229.0	S/MH(C0/180)	0.67
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	135.42	η UP,DN(C0-180)	0.0,40.1
NOMINAL FLUX(lm)	135.419	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,59.9
LAMPS INSIDE	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	171.9	134.1	118.8	143.4	188.3	205.9	198.4	190.0	0- 10	18.18	18.18	13.4,13.4
20	99.82	61.34	49.70	68.88	118.5	122.2	108.1	105.5	10- 20	35.22	53.40	39.4,39.4
30	49.05	28.35	24.14	32.57	61.01	62.07	53.22	49.27	20- 30	29.79	83.19	61.4,61.4
40	24.15	16.12	14.35	17.80	29.39	31.93	26.47	24.42	30- 40	20.24	103.4	76.4,76.4
50	13.75	10.16	8.803	10.61	15.56	16.45	14.17	13.59	40- 50	13.35	116.8	86.2,86.2
60	8.190	6.059	5.068	6.179	8.878	8.736	7.715	7.738	50- 60	8.772	125.6	92.7,92.7
70	4.787	3.473	2.847	3.555	5.126	4.750	4.042	4.341	60- 70	5.492	131.0	96.8,96.8
80	2.379	1.625	1.325	1.681	2.575	2.493	2.071	2.290	70- 80	3.194	134.2	99.1,99.1
90	0.0006	0	0	0	0	0.5077	0.6641	0.4708	80- 90	1.148	135.4	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0275	135.4	100,100
110	0	0	0	0	0	0	0	0	100-110	0	135.4	100,100
120	0	0	0	0	0	0	0	0	110-120	0	135.4	100,100
130	0	0	0	0	0	0	0	0	120-130	0	135.4	100,100
140	0	0	0	0	0	0	0	0	130-140	0	135.4	100,100
150	0	0	0	0	0	0	0.0046	0	140-150	0.0000	135.4	100,100
160	0	0	0	0	0.0001	0	0.0046	0	150-160	0.0003	135.4	100,100
170	0	0	0	0	0.0046	0	0	0.0183	160-170	0.0003	135.4	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0002	135.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 110.79 lm

%lum = 81.8%
%lamp = 81.8%

Conical surface Flux(120deg): 125.56 lm

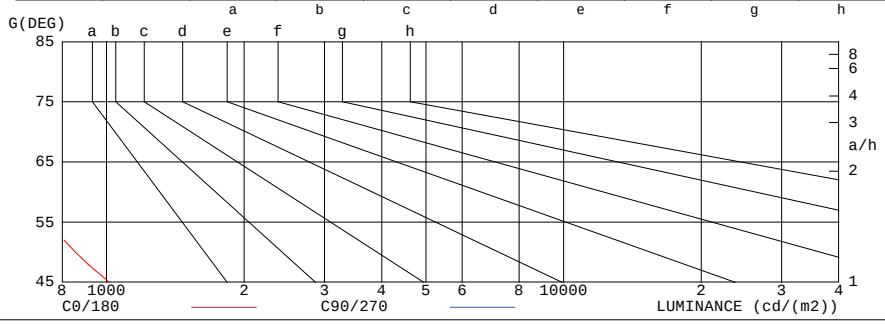
%lum = 92.7%
%lamp = 92.7%

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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	537	132
80	548	305
75	546	315
70	560	333
65	595	362
60	655	405
55	742	467
50	855	548
45	1015	641

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:

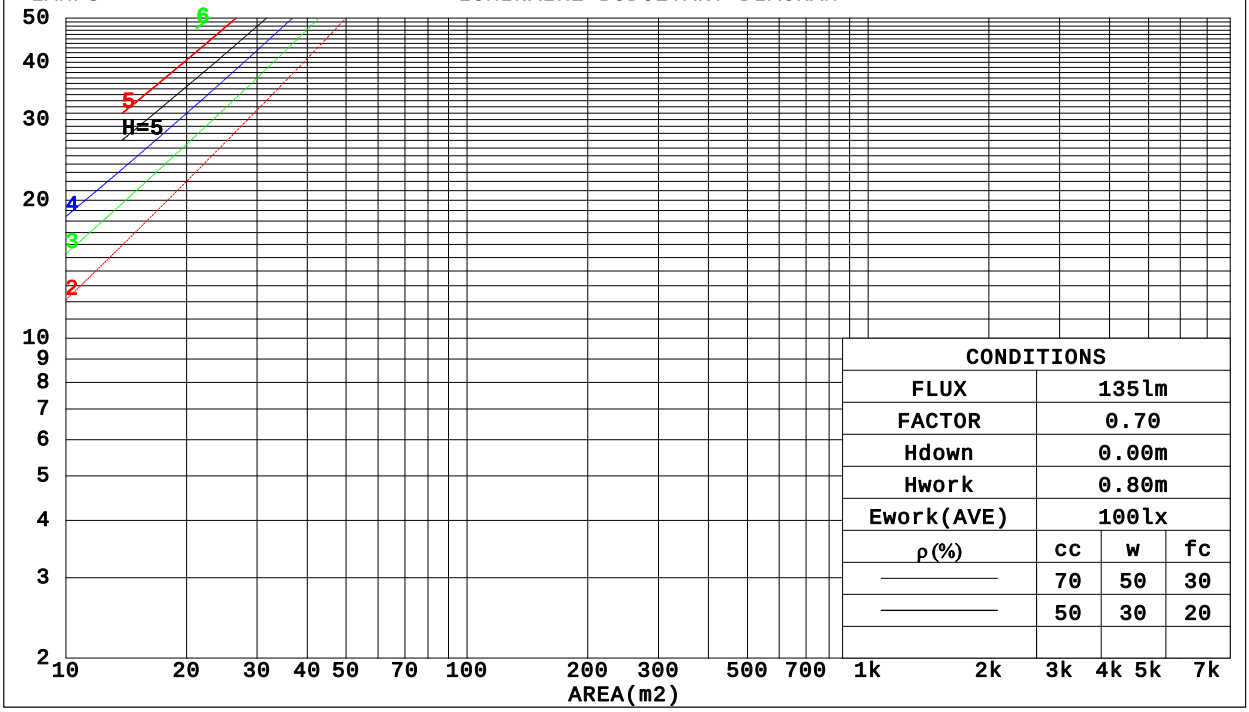
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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	1.07	1.04	1.01	1.02	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.00	.95	.91	.98	.94	.90	.95	.91	.88	.92	.89	.86	.89	.86	.84	.82
3.0	.92	.86	.81	.90	.85	.81	.88	.83	.79	.85	.81	.78	.83	.80	.77	.75
4.0	.85	.79	.74	.84	.78	.73	.82	.77	.73	.80	.75	.72	.78	.74	.71	.69
5.0	.79	.73	.68	.78	.72	.67	.76	.71	.67	.75	.70	.66	.73	.69	.66	.64
6.0	.74	.67	.63	.73	.67	.62	.72	.66	.62	.70	.65	.62	.69	.65	.61	.60
7.0	.70	.63	.58	.69	.63	.58	.68	.62	.58	.66	.61	.58	.65	.61	.57	.56
8.0	.66	.59	.55	.65	.59	.55	.64	.58	.54	.63	.58	.54	.62	.57	.54	.52
9.0	.62	.56	.51	.61	.55	.51	.60	.55	.51	.60	.55	.51	.59	.54	.51	.49
10.0	.59	.53	.49	.58	.52	.48	.57	.52	.48	.57	.52	.48	.56	.51	.48	.47

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	135lm		
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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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	.215	.122	.039	.208	.119	.038	.196	.112	.036	.184	.106	.034	.173	.100	.032	
2.0	.203	.111	.034	.197	.109	.033	.186	.104	.032	.176	.099	.031	.167	.094	.030	
3.0	.190	.101	.030	.185	.099	.030	.176	.095	.029	.167	.091	.028	.159	.088	.027	
4.0	.178	.092	.027	.174	.091	.027	.165	.088	.026	.158	.085	.026	.151	.082	.025	
5.0	.167	.085	.025	.163	.084	.024	.156	.081	.024	.149	.079	.023	.143	.076	.023	
6.0	.157	.079	.023	.154	.078	.022	.147	.076	.022	.141	.074	.022	.136	.072	.021	
7.0	.148	.073	.021	.145	.072	.021	.140	.071	.020	.134	.069	.020	.129	.067	.020	
8.0	.140	.068	.019	.137	.068	.019	.133	.066	.019	.128	.065	.019	.123	.063	.018	
9.0	.133	.064	.018	.131	.064	.018	.126	.062	.018	.122	.061	.017	.118	.060	.017	
10.0	.126	.061	.017	.124	.060	.017	.120	.059	.017	.116	.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	.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	.038	.017	.015	.013	
3.0	.149	.114	.086	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.139	.100	.069	.120	.086	.060	.082	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.131	.088	.057	.112	.076	.049	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.106	.069	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.116	.072	.040	.100	.062	.035	.069	.044	.025	.040	.026	.015	.013	.008	.005	
8.0	.110	.065	.035	.095	.057	.030	.066	.040	.021	.038	.024	.013	.012	.008	.004	
9.0	.105	.060	.030	.090	.052	.026	.063	.037	.019	.036	.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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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	15.8	16.8	16.0	17.0	17.2	13.5	14.6	13.8	14.8	15.0
3H	16.8	17.8	17.1	18.0	18.3	14.4	15.4	14.7	15.6	15.8
4H	17.4	18.3	17.7	18.6	18.8	14.8	15.7	15.1	16.0	16.2
6H	17.9	18.7	18.2	19.0	19.3	15.1	16.0	15.4	16.3	16.5
8H	18.0	18.9	18.4	19.2	19.4	15.2	16.1	15.6	16.4	16.6
12H	18.2	19.0	18.5	19.3	19.6	15.3	16.1	15.6	16.4	16.6
4H 2H	15.9	16.9	16.2	17.1	17.3	14.1	15.0	14.4	15.3	15.5
3H	17.2	18.1	17.6	18.3	18.6	15.2	16.0	15.5	16.3	16.5
4H	17.9	18.7	18.3	19.0	19.3	15.7	16.4	16.0	16.7	17.0
6H	18.5	19.2	18.9	19.6	19.9	16.1	16.8	16.5	17.1	17.5
8H	18.8	19.4	19.2	19.8	20.2	16.3	16.9	16.7	17.2	17.6
12H	19.0	19.6	19.4	20.0	20.4	16.3	16.9	16.7	17.2	17.6
8H 4H	18.0	18.6	18.4	19.0	19.4	16.0	16.6	16.4	17.0	17.3
6H	18.8	19.3	19.2	19.7	20.1	16.6	17.1	17.0	17.5	17.9
8H	19.1	19.6	19.6	20.0	20.4	16.8	17.3	17.3	17.7	18.1
12H	19.4	19.8	19.9	20.2	20.7	16.9	17.3	17.3	17.7	18.2
12H 4H	18.0	18.6	18.4	18.9	19.3	16.0	16.6	16.4	17.0	17.4
6H	18.8	19.3	19.2	19.7	20.1	16.7	17.1	17.1	17.6	18.0
8H	19.2	19.6	19.6	20.0	20.5	16.9	17.3	17.4	17.8	18.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				
1.5H	+ 0.7 / - 0.4					+ 0.1 / - 0.3				
2.0H	+ 0.8 / - 0.6					+ 0.5 / - 0.6				

CIE Pub.117, 135.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.9)

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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

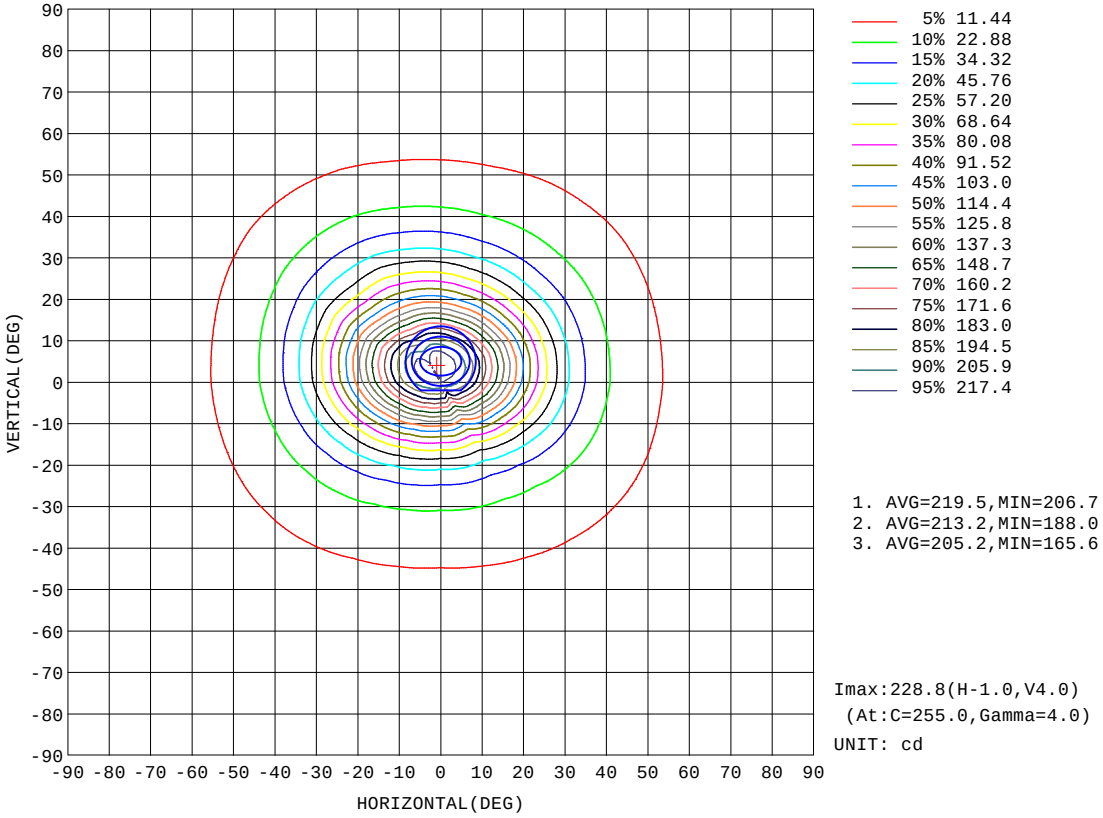
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	77	69	64	76	68	64	75	68	64	59
0.80	85	77	72	85	77	72	83	76	72	67
1.00	91	84	79	90	83	79	88	84	78	73
1.25	96	89	85	95	89	84	93	88	83	78
1.50	100	93	89	98	93	88	96	91	87	82
2.00	104	98	94	102	97	93	99	95	92	86
2.50	106	101	97	105	100	96	101	97	94	88
3.00	109	104	100	107	102	99	103	100	97	90
4.00	111	107	104	109	106	103	105	103	100	93
5.00	113	110	107	111	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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



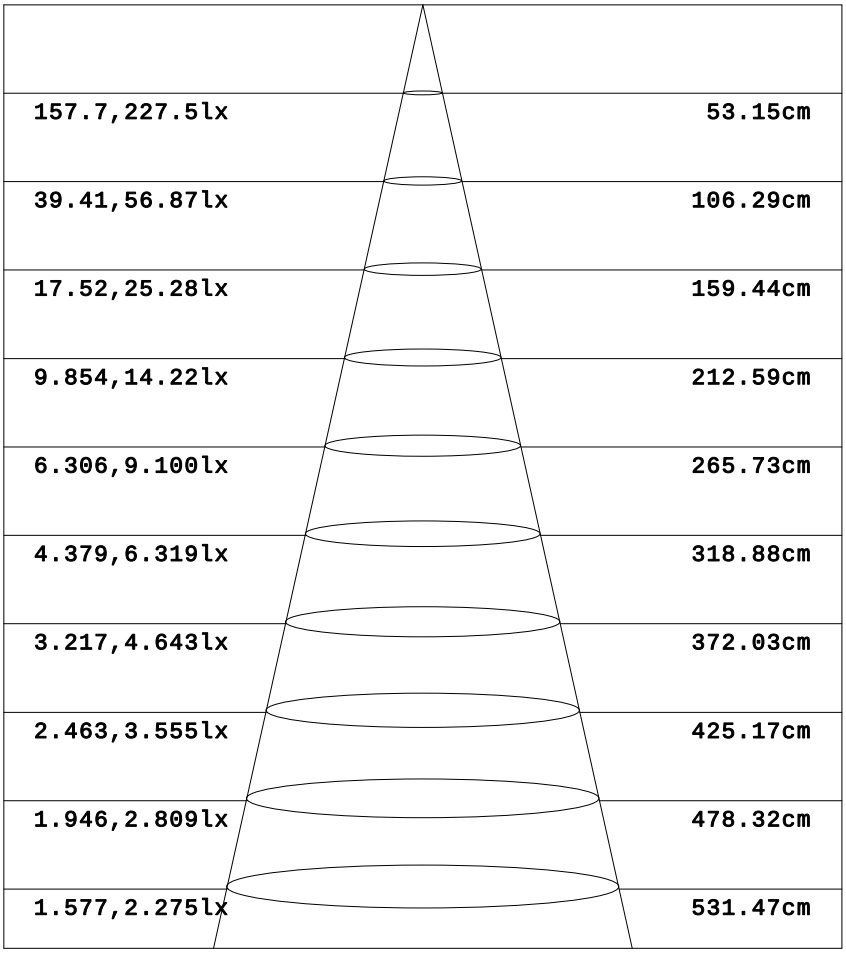
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2022-07-16

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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Flux out:35.56 lm



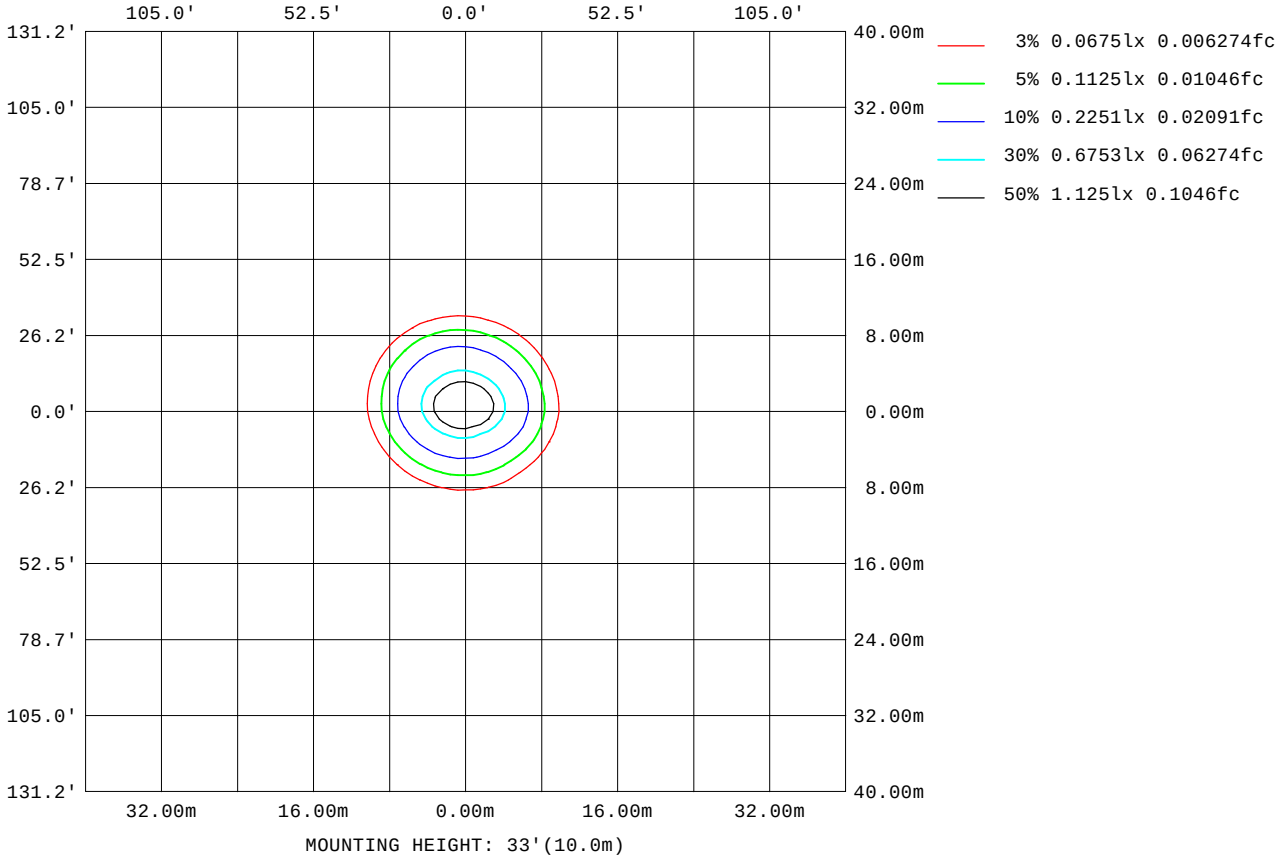
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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
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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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

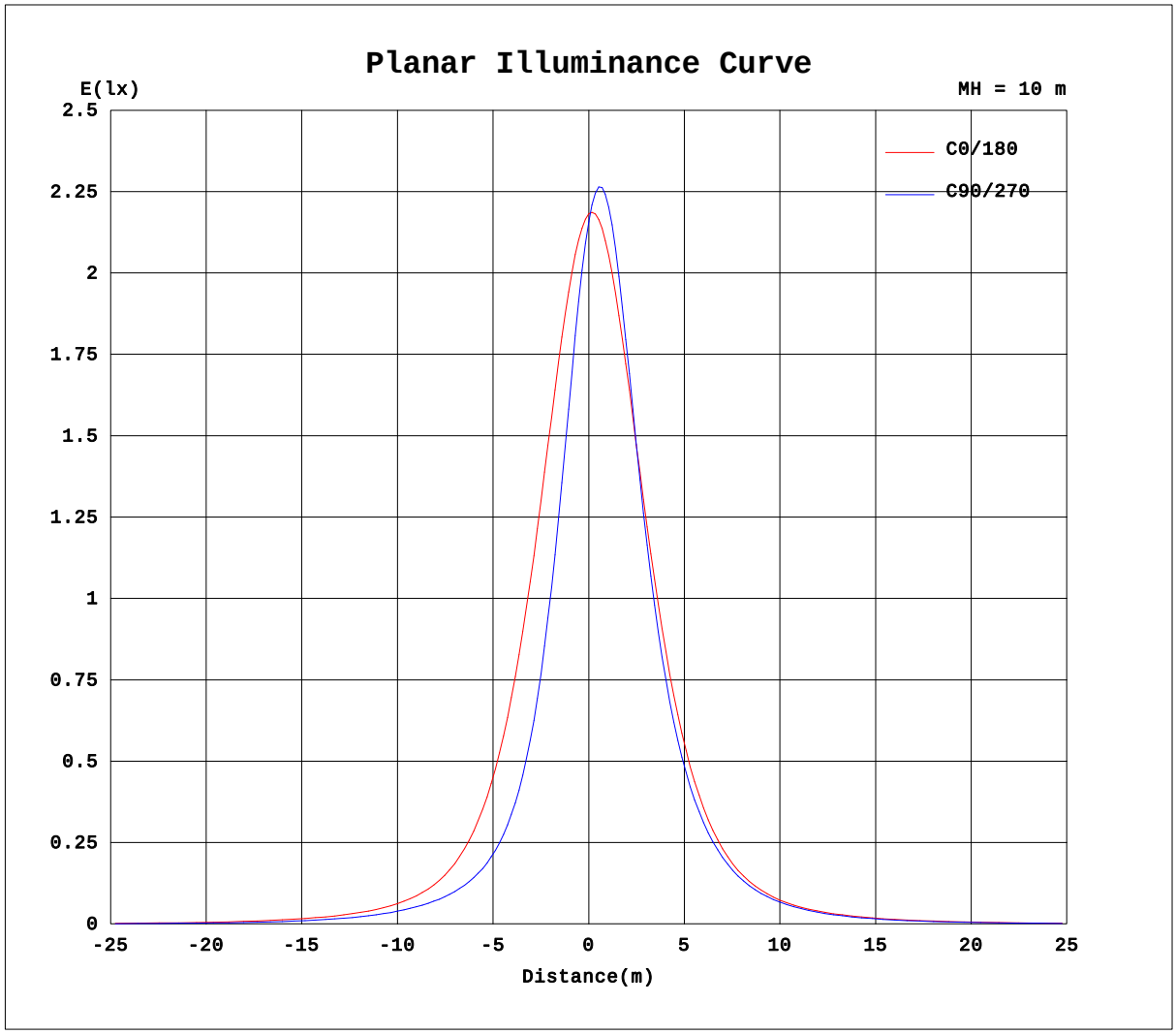
AvgL	cd/m2
L_0~180(65)av	617
L_0~180(75)av	566
L_0~180(85)av	559
L_90~270(65)av	446
L_90~270(75)av	383
L_90~270(85)av	387
L_45(65)av	510
L_45(75)av	456
L_45(85)av	474

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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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	218	217	216	217	204	217	216	217	216	217	217	217	218	217	216	217	204	217	216
5	203	195	186	180	163	173	172	176	179	187	194	203	212	218	224	227	216	228	227
10	172	160	144	134	116	121	119	124	130	143	156	173	188	198	206	206	196	201	198
15	135	121	104	92.3	78.0	79.0	76.9	81.5	87.8	101	116	135	154	165	171	166	156	156	152
20	99.8	87.2	72.1	61.3	51.7	51.3	49.7	53.1	58.2	68.9	82.2	100	119	128	131	122	116	113	108
25	70.9	60.8	49.4	40.7	35.2	34.6	33.6	35.7	39.3	46.8	57.0	71.4	86.4	94.2	95.9	87.4	85.0	80.0	75.9
30	49.0	42.1	34.5	28.4	25.2	24.7	24.1	25.4	27.7	32.6	39.5	49.8	61.0	66.5	67.9	62.1	61.2	56.4	53.2
35	33.9	29.6	24.9	20.9	19.5	18.7	18.3	19.0	20.6	23.6	28.0	34.6	42.2	46.0	47.3	44.6	43.2	39.7	37.3
40	24.1	21.6	18.8	16.1	15.4	14.7	14.3	14.9	15.8	17.8	20.5	24.6	29.4	31.9	33.0	31.9	30.5	28.1	26.5
45	17.9	16.4	14.5	13.0	12.2	11.6	11.3	11.7	12.4	13.7	15.4	18.0	21.0	22.5	23.3	22.8	21.9	20.2	19.2
50	13.7	12.7	11.3	10.2	9.48	9.03	8.80	9.08	9.61	10.6	11.8	13.6	15.6	16.4	16.8	16.4	15.8	14.8	14.2
55	10.6	9.84	8.74	7.92	7.25	6.87	6.70	6.91	7.34	8.11	9.06	10.3	11.7	12.2	12.4	11.9	11.6	10.9	10.5
60	8.19	7.56	6.71	6.06	5.50	5.19	5.07	5.23	5.58	6.18	6.93	7.86	8.88	9.13	9.13	8.74	8.43	7.94	7.72
65	6.29	5.80	5.16	4.61	4.18	3.90	3.83	3.93	4.23	4.71	5.32	6.01	6.74	6.89	6.78	6.42	6.13	5.77	5.60
70	4.79	4.41	3.92	3.47	3.13	2.90	2.85	2.92	3.17	3.56	4.04	4.58	5.13	5.23	5.08	4.75	4.45	4.18	4.04
75	3.53	3.23	2.86	2.51	2.25	2.07	2.04	2.09	2.30	2.57	2.96	3.36	3.80	3.89	3.77	3.50	3.24	3.04	2.92
80	2.38	2.13	1.86	1.63	1.47	1.34	1.33	1.35	1.50	1.68	1.94	2.22	2.58	2.70	2.64	2.49	2.30	2.16	2.07
85	1.17	0.92	0.69	0.54	0.39	0.31	0.29	0.32	0.41	0.56	0.72	0.93	1.26	1.48	1.50	1.55	1.52	1.47	1.40
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	0.07	0.31	0.51	0.62	0.66	0.66
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	0.01	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	0.01	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	0.01	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	0.01	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	0.01	0.01	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	0.01	0.01	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:0.1994A P:4.785W PF:1.000 Freq:0Hz Lamp Flux:135.419x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:R/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	217	216	217	217	217
5	224	222	218	214	208
10	195	193	190	187	181
15	148	148	147	148	144
20	104	104	105	108	107
25	72.2	71.6	72.4	75.4	75.2
30	50.0	49.3	49.3	51.4	51.6
35	35.0	34.5	34.1	35.4	35.3
40	25.0	24.7	24.4	24.9	24.9
45	18.4	18.2	18.1	18.3	18.3
50	13.7	13.7	13.6	13.9	13.9
55	10.2	10.3	10.3	10.6	10.7
60	7.53	7.65	7.74	8.04	8.19
65	5.51	5.64	5.80	6.08	6.26
70	4.02	4.14	4.34	4.59	4.77
75	2.93	3.03	3.22	3.43	3.55
80	2.09	2.15	2.29	2.42	2.47
85	1.42	1.43	1.48	1.48	1.39
90	0.64	0.58	0.47	0.31	0.11
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	0.02	0.00	0.00
175	0.00	0.00	0.02	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: