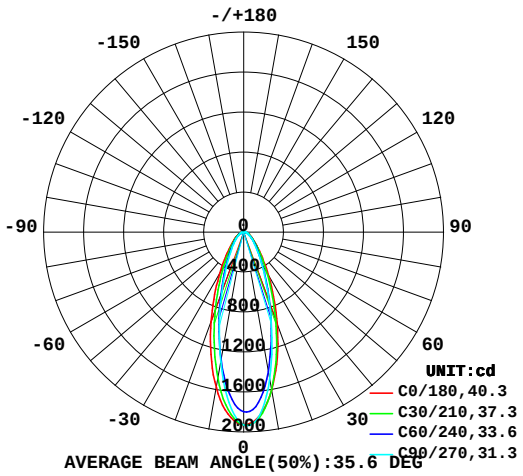
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

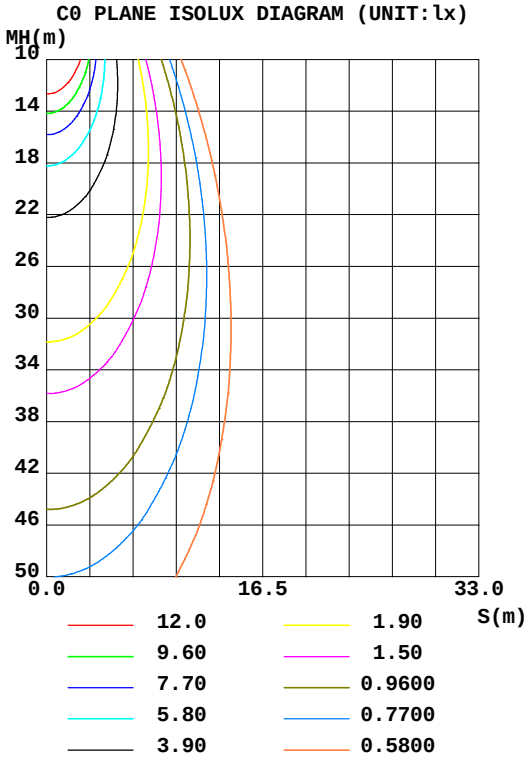
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 65.96 lm/W	
MODEL	HCP-247184-45	Imax(cd)	1939	S/MH(C0/180)	0.63
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1216.0	η UP,DN(C0-180)	0.0,52.4
NOMINAL FLUX(lm)	1216.05	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,47.5
LAMPS INSIDE	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	1606	1582	1496	1570	1581	1416	1322	1416	0- 10	161.3	161.3	13.3,13.3
20	983.8	866.8	760.7	865.8	957.8	733.1	641.6	748.5	10- 20	313.8	475.1	39.1,39.1
30	497.8	398.3	356.1	416.1	483.5	349.7	304.5	360.0	20- 30	264.5	739.7	60.8,60.8
40	244.0	202.2	186.8	209.5	235.5	190.2	163.2	189.7	30- 40	177.8	917.4	75.4,75.4
50	133.3	117.3	109.0	120.6	132.2	109.4	96.61	109.0	40- 50	119.0	1036	85.2,85.2
60	79.10	71.15	63.49	71.19	79.35	64.56	56.38	64.16	50- 60	80.65	1117	91.9,91.9
70	47.42	41.88	36.30	42.14	47.87	38.60	32.92	38.18	60- 70	52.88	1170	96.2,96.2
80	24.58	22.85	19.77	23.00	24.93	19.98	17.13	19.65	70- 80	32.42	1202	98.9,98.9
90	0.0139	3.310	4.272	3.393	0	0.2558	0.2735	0.2557	80- 90	12.50	1215	99.9,99.9
100	0	0	0	0	0.0093	0.0046	0.0000	0.0092	90-100	0.1621	1215	99.9,99.9
110	0	0	0	0	0.0690	0.0229	0.0368	0.0183	100-110	0.0091	1215	99.9,99.9
120	0.0275	0.0369	0	0.0276	0.1611	0.0965	0.1058	0.1009	110-120	0.0385	1215	99.9,99.9
130	0.1000	0.1149	0.0367	0.0966	0.3126	0.2481	0.2438	0.2433	120-130	0.1046	1215	99.9,99.9
140	0.1929	0.2299	0.1696	0.2069	0.4505	0.4318	0.4736	0.4318	130-140	0.1893	1215	99.9,99.9
150	0.3168	0.3540	0.3076	0.3357	0.5701	0.5744	0.6546	0.6296	140-150	0.2502	1216	100,100
160	0.4182	0.4690	0.4411	0.4551	0.6665	0.6342	0.6618	0.6933	150-160	0.2391	1216	100,100
170	0.5376	0.5608	0.5422	0.5424	0.6621	0.6315	0.6319	0.6868	160-170	0.1640	1216	100,100
180	0.6296	0.6205	0.5653	0.6067	0.6480	0.6205	0.5929	0.6113	170-180	0.0581	1216	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 982.57 lm

%lum = 80.8%
%lamp = 80.8%

Conical surface Flux(120deg): 1117 lm

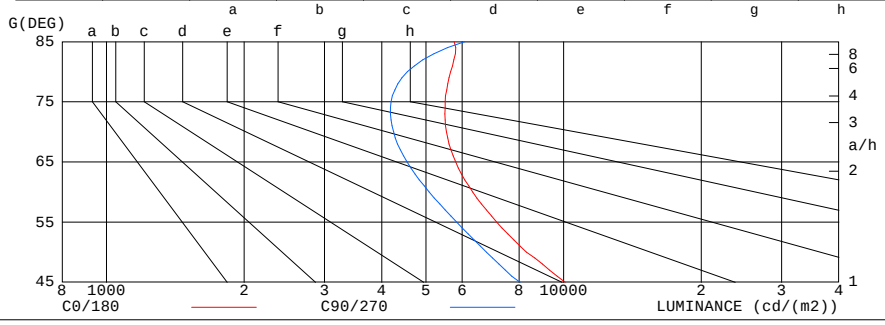
%lum = 91.9%
%lamp = 91.9%

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/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	5767	6086
80	5662	4555
75	5505	4191
70	5546	4246
65	5808	4547
60	6328	5079
55	7141	5834
50	8294	6782
45	10088	8028

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:

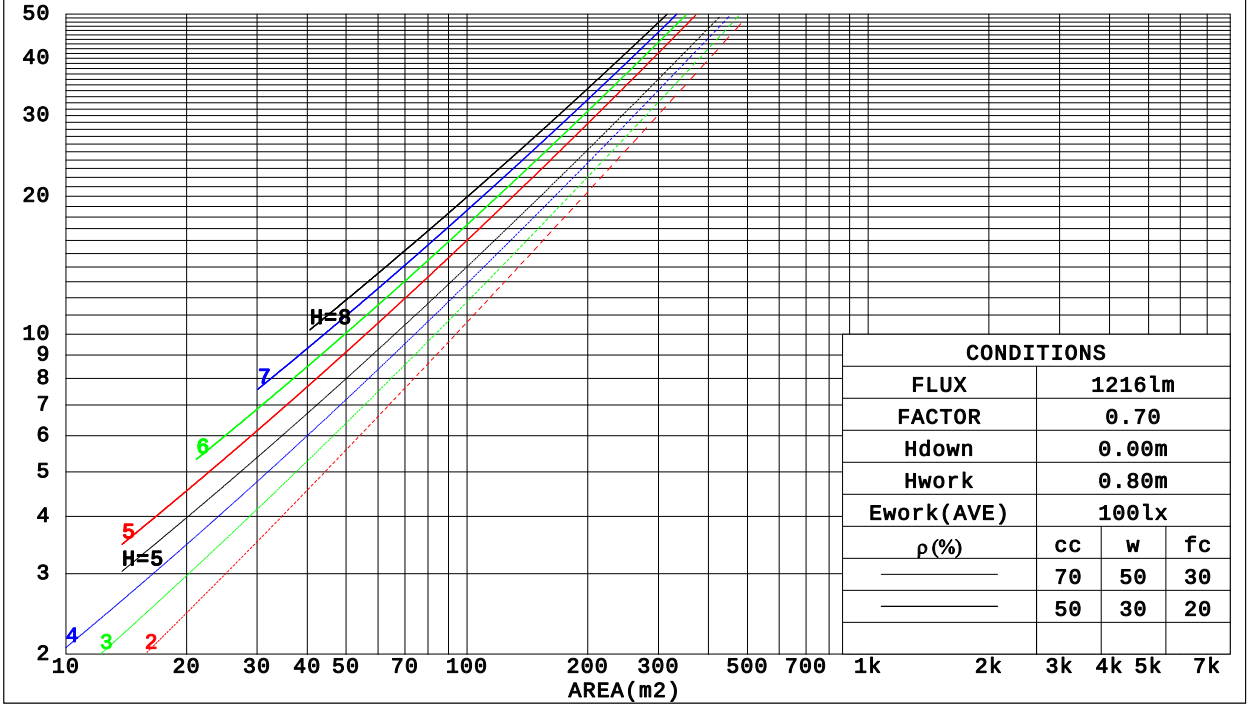
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/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	.93	.92	.90
2.0	.99	.94	.90	.98	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.84	.82
3.0	.91	.86	.81	.90	.85	.80	.87	.83	.79	.85	.81	.78	.82	.79	.76	.75
4.0	.85	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.71	.77	.73	.70	.69
5.0	.79	.72	.67	.78	.72	.67	.76	.70	.66	.74	.69	.66	.72	.68	.65	.63
6.0	.74	.67	.62	.73	.66	.62	.71	.66	.61	.70	.65	.61	.68	.64	.61	.59
7.0	.69	.62	.58	.68	.62	.58	.67	.61	.57	.66	.61	.57	.65	.60	.57	.55
8.0	.65	.59	.54	.64	.58	.54	.63	.58	.54	.62	.57	.53	.61	.57	.53	.52
9.0	.62	.55	.51	.61	.55	.51	.60	.54	.51	.59	.54	.50	.58	.54	.50	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.55	.51	.48	.46

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	1216lm		
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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/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	.220	.125	.040	.213	.122	.039	.200	.115	.037	.188	.109	.035	.177	.103	.033	
2.0	.206	.113	.035	.201	.110	.034	.190	.105	.033	.179	.101	.032	.170	.096	.030	
3.0	.193	.103	.031	.188	.101	.030	.178	.097	.029	.169	.093	.028	.161	.089	.028	
4.0	.180	.094	.028	.176	.092	.027	.167	.089	.027	.160	.086	.026	.153	.083	.025	
5.0	.169	.086	.025	.165	.085	.025	.158	.082	.024	.151	.080	.024	.145	.077	.023	
6.0	.158	.079	.023	.155	.078	.023	.149	.076	.022	.143	.074	.022	.137	.072	.021	
7.0	.149	.074	.021	.146	.073	.021	.141	.071	.020	.135	.069	.020	.131	.068	.020	
8.0	.141	.069	.019	.138	.068	.019	.133	.067	.019	.129	.065	.019	.124	.064	.019	
9.0	.134	.065	.018	.131	.064	.018	.127	.063	.018	.123	.061	.018	.119	.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	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.175	.158	.142	.150	.135	.122	.102	.093	.085	.059	.054	.049	.019	.017	.016	
2.0	.162	.133	.109	.138	.115	.094	.095	.079	.066	.055	.046	.039	.018	.015	.013	
3.0	.150	.115	.086	.129	.099	.075	.089	.069	.052	.051	.040	.031	.016	.013	.010	
4.0	.141	.100	.069	.121	.087	.060	.083	.060	.042	.048	.035	.025	.015	.012	.008	
5.0	.132	.089	.057	.113	.077	.050	.078	.054	.035	.045	.032	.021	.015	.010	.007	
6.0	.124	.080	.048	.107	.069	.042	.074	.048	.029	.043	.028	.018	.014	.009	.006	
7.0	.118	.072	.041	.101	.063	.036	.070	.044	.025	.041	.026	.015	.013	.008	.005	
8.0	.111	.066	.035	.096	.057	.031	.066	.040	.022	.039	.024	.013	.012	.008	.004	
9.0	.106	.061	.031	.091	.053	.027	.063	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.101	.057	.027	.087	.049	.024	.060	.035	.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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/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	17.0	18.1	17.3	18.3	18.5	15.8	16.9	16.1	17.1	17.3
3H	18.0	19.1	18.3	19.3	19.5	16.7	17.7	17.0	17.9	18.2
4H	18.6	19.5	18.9	19.7	20.0	17.2	18.1	17.5	18.4	18.6
6H	19.0	19.9	19.4	20.2	20.5	17.6	18.5	17.9	18.8	19.0
8H	19.2	20.1	19.6	20.4	20.7	17.8	18.7	18.2	19.0	19.2
12H	19.4	20.2	19.7	20.5	20.8	18.1	18.9	18.4	19.2	19.5
4H 2H	17.3	18.2	17.6	18.5	18.7	16.3	17.3	16.6	17.5	17.7
3H	18.5	19.4	18.9	19.7	19.9	17.4	18.2	17.7	18.5	18.8
4H	19.2	20.0	19.6	20.3	20.6	18.0	18.8	18.3	19.1	19.4
6H	19.9	20.6	20.3	20.9	21.3	18.6	19.3	19.0	19.6	20.0
8H	20.2	20.8	20.6	21.2	21.5	18.9	19.5	19.3	19.9	20.3
12H	20.4	21.0	20.8	21.4	21.8	19.2	19.8	19.6	20.2	20.6
8H 4H	19.4	20.0	19.8	20.4	20.8	18.3	18.9	18.7	19.3	19.7
6H	20.2	20.8	20.7	21.2	21.6	19.1	19.6	19.5	20.0	20.4
8H	20.7	21.1	21.1	21.6	22.0	19.5	20.0	20.0	20.4	20.9
12H	21.0	21.4	21.5	21.9	22.4	20.0	20.4	20.5	20.8	21.3
12H 4H	19.4	20.0	19.8	20.4	20.8	18.3	18.9	18.8	19.3	19.7
6H	20.3	20.8	20.8	21.2	21.6	19.2	19.7	19.7	20.1	20.5
8H	20.8	21.2	21.3	21.6	22.1	19.7	20.1	20.2	20.6	21.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.4 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.6 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117, 1216 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)

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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

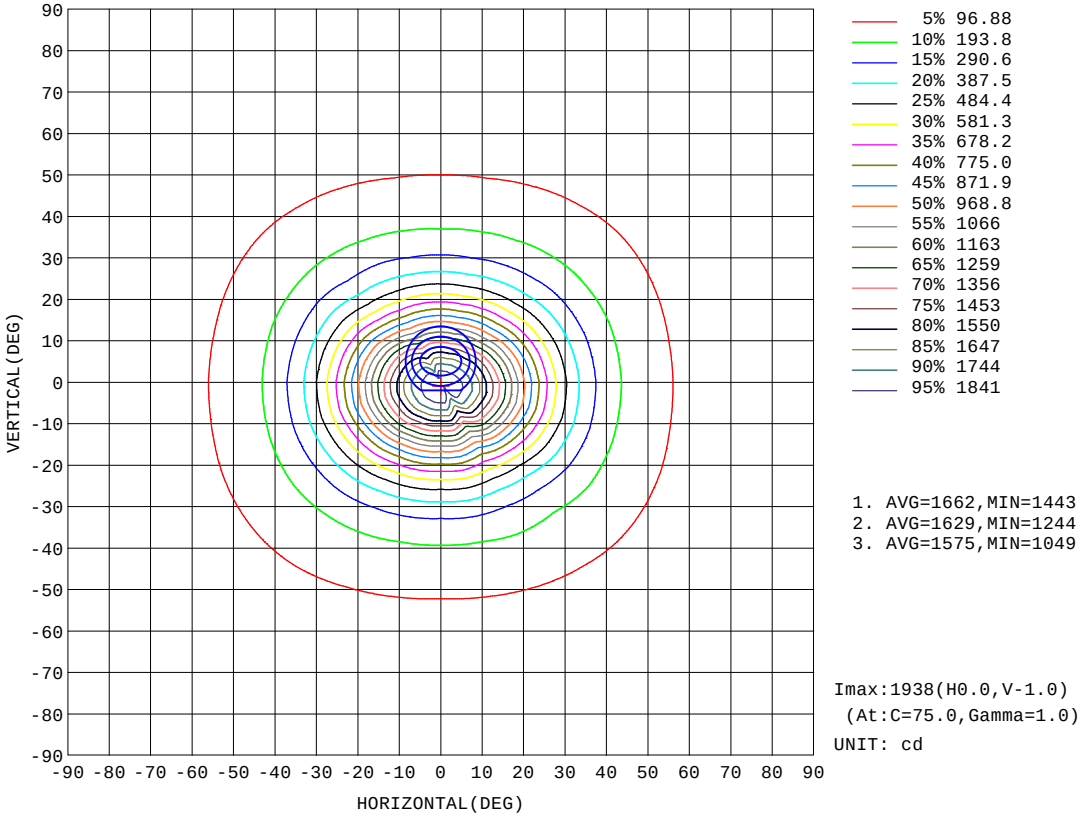
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	76	68	63	76	68	63	75	67	63	58
0.80	85	77	72	84	76	72	83	76	71	66
1.00	91	83	78	90	83	78	88	83	77	72
1.25	96	89	84	95	88	84	92	87	83	77
1.50	99	93	88	98	92	88	95	90	87	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	104	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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:



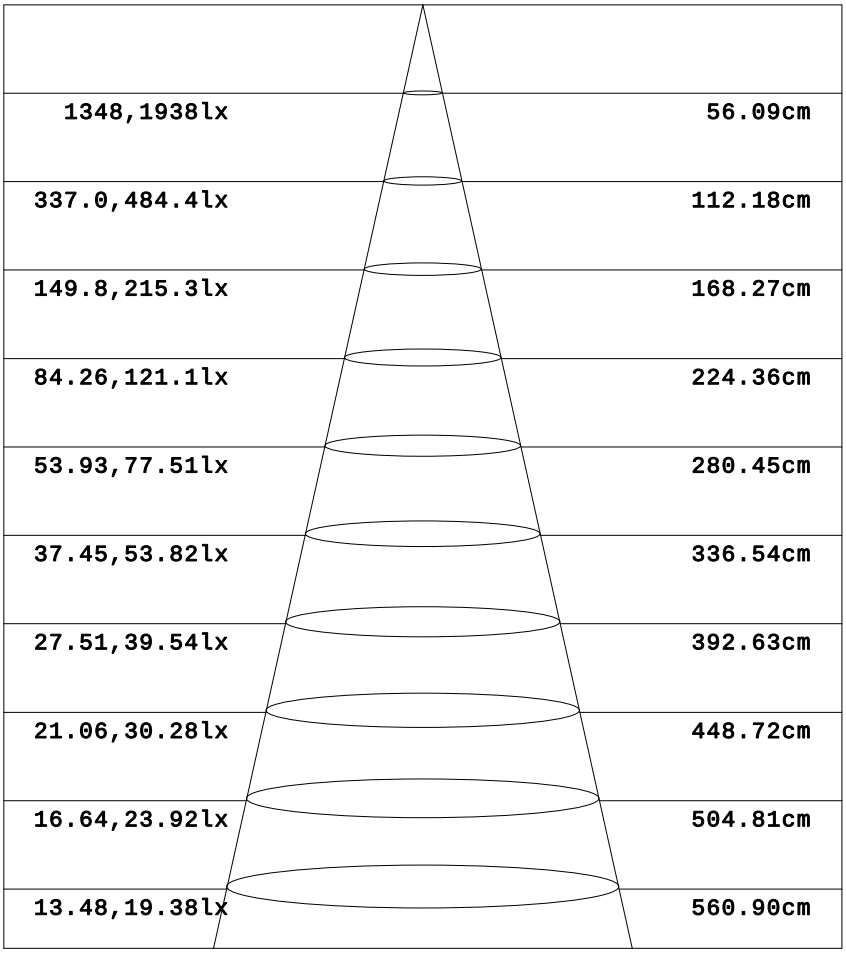
C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.540m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

Flux out:348.2 lm



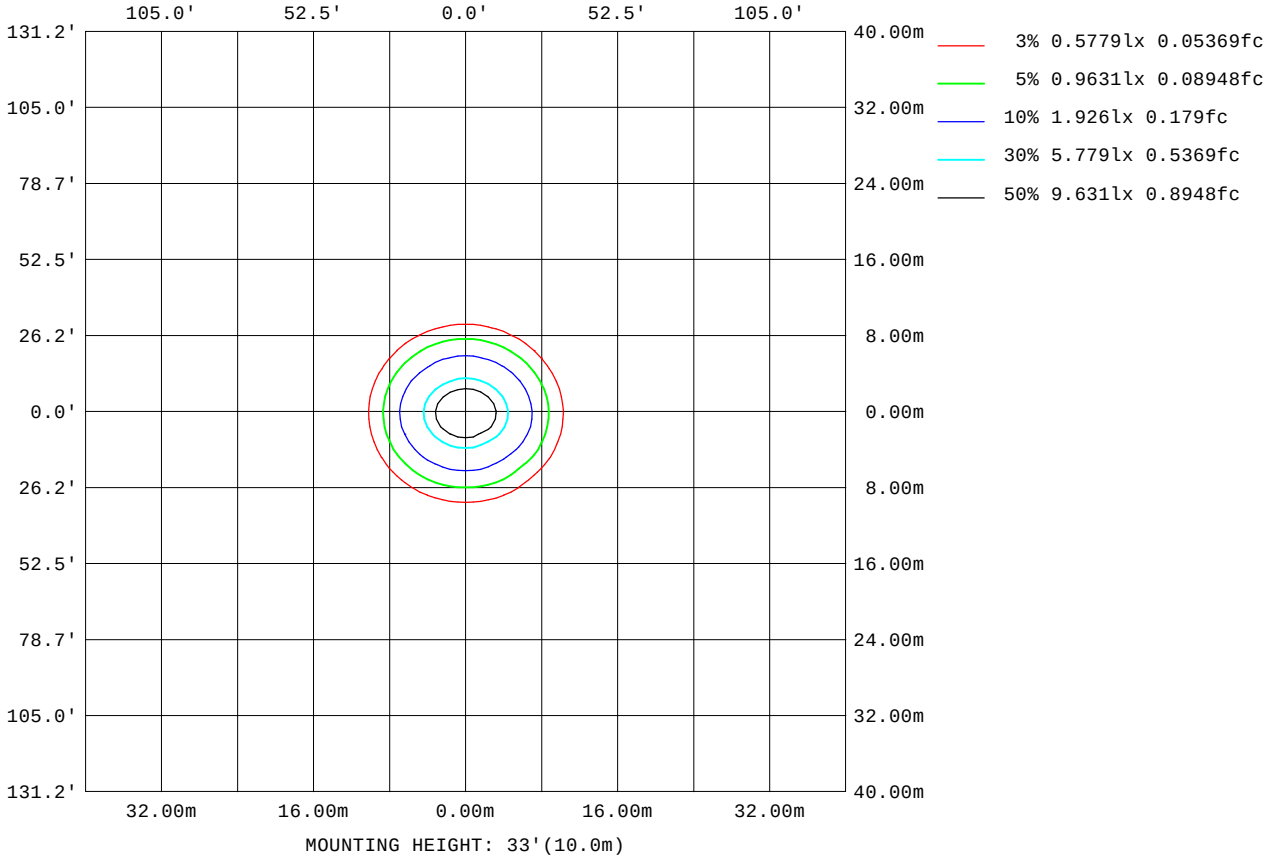
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/30*45°	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.:1000*25mm	Shielding Angle:

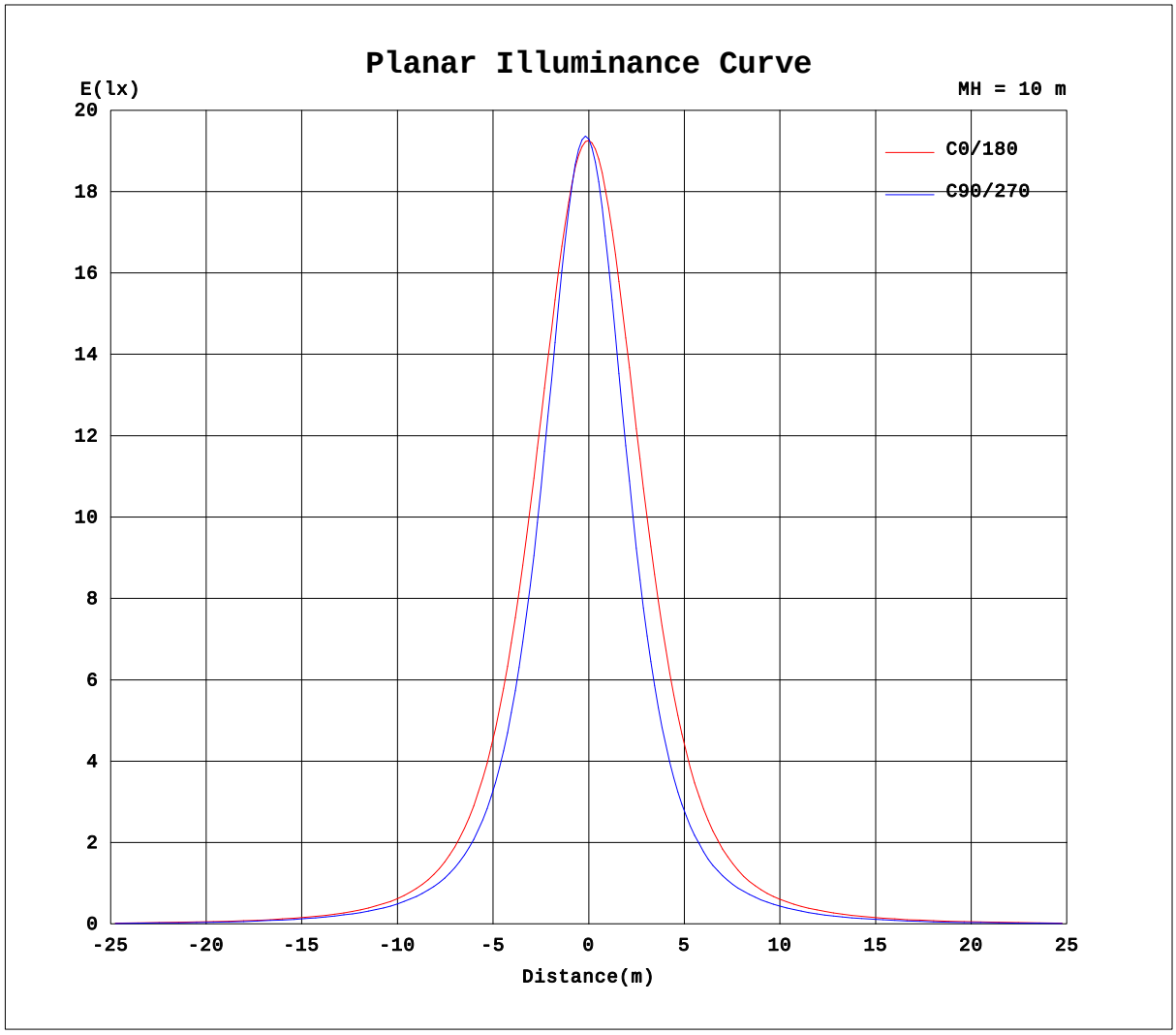
AvgL	cd/m2
L_0~180(65)av	5824
L_0~180(75)av	5540
L_0~180(85)av	5842
L_90~270(65)av	4316
L_90~270(75)av	3992
L_90~270(85)av	4848
L_45(65)av	4943
L_45(75)av	4675
L_45(85)av	5486

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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/30*45°	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	1926	1926	1929	1929	1797	1929	1930	1926	1926	1922	1922	1921	1926	1926	1929	1929	1797	1929	1930
5	1842	1860	1858	1861	1710	1849	1838	1846	1842	1850	1842	1838	1826	1802	1784	1750	1629	1709	1711
10	1606	1630	1604	1582	1419	1522	1496	1519	1527	1570	1580	1598	1581	1538	1488	1416	1305	1329	1322
15	1299	1315	1269	1216	1073	1125	1095	1122	1141	1205	1244	1279	1269	1215	1146	1050	959	950	940
20	984	994	936	867	767	785	761	782	804	866	914	960	958	905	835	733	669	652	642
25	711	714	663	586	534	535	518	533	552	601	646	688	690	646	588	503	464	444	437
30	498	499	460	398	369	367	356	366	382	416	448	480	483	451	411	350	332	309	304
35	346	346	320	280	265	256	253	256	271	293	313	334	337	315	288	251	236	223	217
40	244	241	229	202	199	189	187	189	199	210	224	233	235	225	207	190	176	168	163
45	178	176	169	153	151	144	142	144	151	157	166	172	174	167	155	144	134	127	126
50	133	133	127	117	115	111	109	111	115	121	126	131	132	126	118	109	103	97.9	96.6
55	102	102	97.3	92.0	88.0	85.4	83.7	85.5	88.1	92.8	96.8	101	102	97.4	91.2	83.9	79.1	74.8	73.9
60	79.1	79.0	75.0	71.1	67.1	64.9	63.5	65.0	67.2	71.2	74.8	78.5	79.4	75.5	70.5	64.6	60.6	57.1	56.4
65	61.4	61.1	57.9	54.6	51.1	49.1	48.0	49.3	51.3	54.7	58.0	61.0	61.7	58.7	54.8	50.0	46.7	43.8	43.2
70	47.4	47.4	44.7	41.9	38.8	37.2	36.3	37.3	39.0	42.1	44.9	47.4	47.9	45.5	42.5	38.6	35.8	33.5	32.9
75	35.6	35.8	33.8	31.7	29.1	27.9	27.1	28.0	29.3	31.9	34.0	35.8	36.1	34.2	31.9	28.9	26.8	24.9	24.5
80	24.6	25.1	24.1	22.8	21.1	20.3	19.8	20.4	21.2	23.0	24.2	25.1	24.9	23.3	22.0	20.0	18.7	17.3	17.1
85	12.6	14.0	14.3	14.5	13.8	13.5	13.3	13.6	13.8	14.6	14.3	13.8	12.9	11.3	10.8	9.48	8.88	7.80	7.86
90	0.01	1.03	1.94	3.31	3.66	4.42	4.27	4.49	3.75	3.39	2.00	0.97	0.00	0.17	0.22	0.26	0.27	0.29	0.27
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	0.01	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	0.01	0.00	0.01	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	0.04	0.00	0.04	0.00	0.02	0.00	0.01
110	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.03	0.07	0.02	0.05	0.00	0.04
115	0.00	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.08	0.10	0.05	0.08	0.02	0.06
120	0.03	0.05	0.00	0.04	0.01	0.02	0.00	0.01	0.00	0.03	0.00	0.05	0.16	0.12	0.16	0.10	0.12	0.06	0.11
125	0.05	0.09	0.05	0.07	0.05	0.05	0.00	0.05	0.05	0.06	0.03	0.09	0.23	0.19	0.23	0.17	0.18	0.12	0.16
130	0.10	0.14	0.10	0.11	0.06	0.08	0.04	0.08	0.05	0.10	0.07	0.12	0.31	0.27	0.30	0.25	0.27	0.21	0.24
135	0.15	0.19	0.14	0.17	0.12	0.14	0.09	0.12	0.11	0.14	0.12	0.17	0.37	0.34	0.39	0.34	0.36	0.32	0.35
140	0.19	0.25	0.20	0.23	0.18	0.20	0.17	0.18	0.15	0.21	0.18	0.23	0.45	0.42	0.47	0.43	0.46	0.43	0.47
145	0.25	0.30	0.25	0.29	0.25	0.27	0.22	0.26	0.22	0.27	0.25	0.29	0.52	0.50	0.55	0.51	0.56	0.53	0.59
150	0.32	0.36	0.32	0.35	0.31	0.34	0.31	0.35	0.30	0.34	0.30	0.34	0.57	0.57	0.62	0.57	0.61	0.63	0.65
155	0.36	0.43	0.39	0.42	0.38	0.42	0.38	0.42	0.38	0.40	0.36	0.40	0.60	0.62	0.63	0.62	0.62	0.63	0.66
160	0.42	0.48	0.43	0.47	0.42	0.48	0.44	0.48	0.42	0.46	0.41	0.46	0.67	0.65	0.63	0.63	0.62	0.64	0.66
165	0.47	0.53	0.49	0.52	0.48	0.52	0.50	0.53	0.48	0.50	0.47	0.51	0.66	0.70	0.64	0.63	0.62	0.64	0.64
170	0.54	0.59	0.53	0.56	0.52	0.56	0.54	0.56	0.50	0.54	0.50	0.57	0.66	0.70	0.64	0.63	0.61	0.63	0.63
175	0.59	0.64	0.58	0.59	0.55	0.58	0.55	0.56	0.54	0.57	0.56	0.64	0.65	0.70	0.64	0.63	0.60	0.62	0.62
180	0.63	0.68	0.62	0.62	0.57	0.59	0.57	0.57	0.57	0.61	0.63	0.66	0.65	0.68	0.64	0.62	0.59	0.59	0.59

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:0.7682A P:18.44W PF:1.000 Freq:0Hz Lamp Flux:1216.05x1 lm		
NAME: LED STRIPS FLEX WALL WASHER	TYPE:	WEIGHT:
SPEC.:4000K/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	1926	1926	1922	1922	1921
5	1705	1729	1746	1785	1811
10	1324	1367	1416	1497	1556
15	946	994	1056	1153	1235
20	649	690	749	839	922
25	442	473	518	590	659
30	307	330	360	411	460
35	222	234	257	289	321
40	167	175	190	207	229
45	127	134	143	155	169
50	97.5	103	109	119	127
55	74.5	78.6	83.5	91.1	97.8
60	56.9	60.2	64.2	70.2	75.6
65	43.6	46.3	49.6	54.5	58.7
70	33.3	35.4	38.2	42.1	45.4
75	24.7	26.4	28.5	31.6	34.1
80	17.2	18.4	19.7	21.8	23.4
85	7.68	8.71	9.31	10.7	11.5
90	0.27	0.26	0.26	0.24	0.22
95	0.00	0.00	0.01	0.00	0.00
100	0.00	0.00	0.01	0.01	0.00
105	0.00	0.01	0.01	0.03	0.01
110	0.00	0.05	0.02	0.06	0.03
115	0.03	0.08	0.04	0.10	0.06
120	0.06	0.12	0.10	0.15	0.11
125	0.12	0.18	0.17	0.22	0.19
130	0.20	0.26	0.24	0.30	0.26
135	0.32	0.36	0.34	0.39	0.35
140	0.43	0.48	0.43	0.48	0.46
145	0.54	0.59	0.54	0.58	0.53
150	0.63	0.68	0.63	0.66	0.59
155	0.69	0.68	0.69	0.69	0.65
160	0.68	0.68	0.69	0.70	0.69
165	0.67	0.66	0.69	0.70	0.70
170	0.66	0.63	0.69	0.69	0.71
175	0.63	0.61	0.66	0.65	0.71
180	0.59	0.58	0.61	0.63	0.69

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: