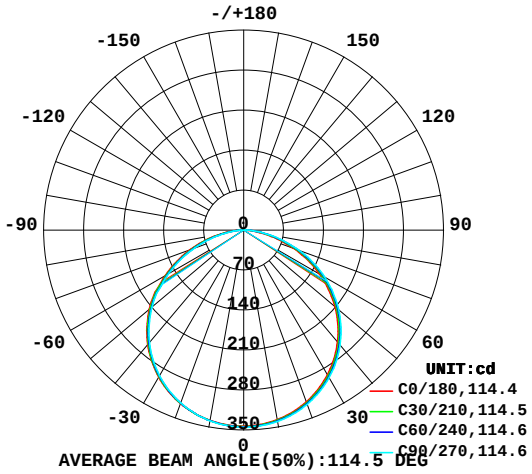
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

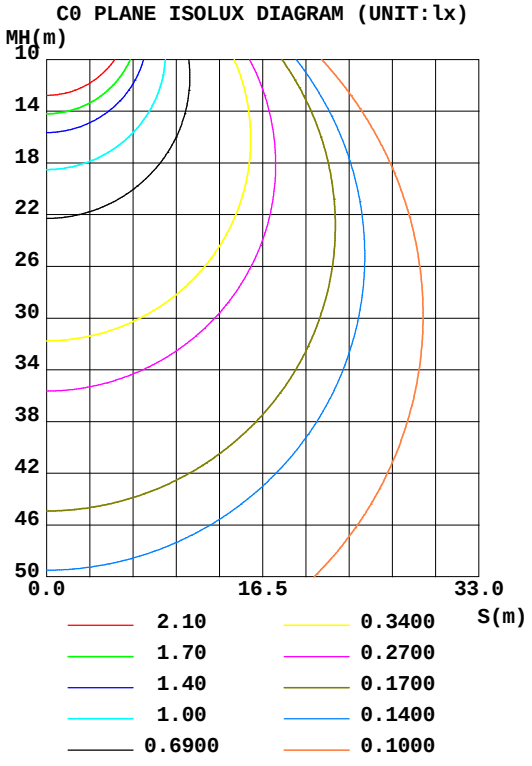
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 95.83 lm/W	
MODEL	HCP-3125965	Imax(cd)	345.9	S/MH(C0/180)	1.29
NOMINAL POWER(W)	9.6	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1008.6	η UP,DN(C0-180)	0.0,50.7
NOMINAL FLUX(lm)	1008.55	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):114.5 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:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [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	336.9	339.0	340.2	341.2	338.5	338.8	339.0	339.3	0- 10	32.65	32.65	3.24,3.24
20	320.3	323.2	324.8	326.1	323.2	322.6	322.1	322.3	10- 20	93.93	126.6	12.6,12.6
30	293.1	296.8	298.8	300.4	297.5	295.7	294.6	294.6	20- 30	143.5	270.1	26.8,26.8
40	255.6	260.4	262.7	264.5	261.5	258.5	256.9	256.7	30- 40	174.8	444.9	44.1,44.1
50	208.6	214.4	217.2	218.9	215.7	211.8	209.7	209.2	40- 50	183.3	628.2	62.3,62.3
60	153.0	157.1	163.4	161.7	158.3	156.2	151.2	153.0	50- 60	166.2	794.4	78.8,78.8
70	91.47	97.96	103.4	102.6	99.17	94.30	90.82	90.96	60- 70	125.7	920.1	91.2,91.2
80	33.90	41.30	42.22	44.78	41.96	36.95	32.53	34.02	70- 80	70.29	990.4	98.2,98.2
90	0	1.475	1.933	2.539	0.5760	0.3048	0	0.0048	80- 90	18.12	1008	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0722	1009	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1009	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1009	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1009	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1009	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1009	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1009	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1009	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1009	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 537.03 lm

%lum = 53.2%
%lamp = 53.2%

Conical surface Flux(120deg): 794.38 lm

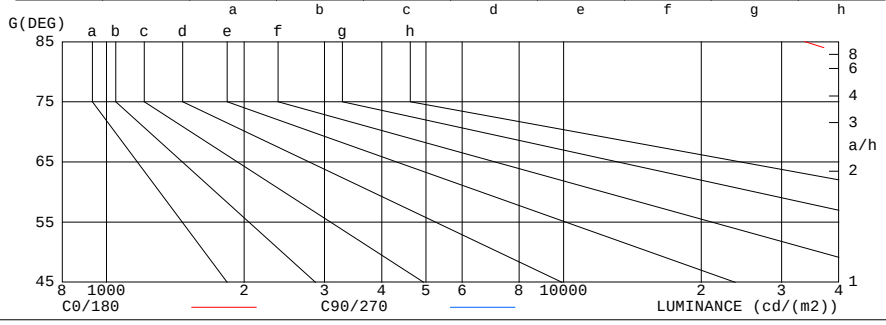
%lum = 78.8%
%lamp = 78.8%

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	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	33708	49212
80	48799	60785
75	59046	68785
70	66859	75548
65	72821	79197
60	76490	81680
55	79218	83339
50	81118	84473
45	82467	85214

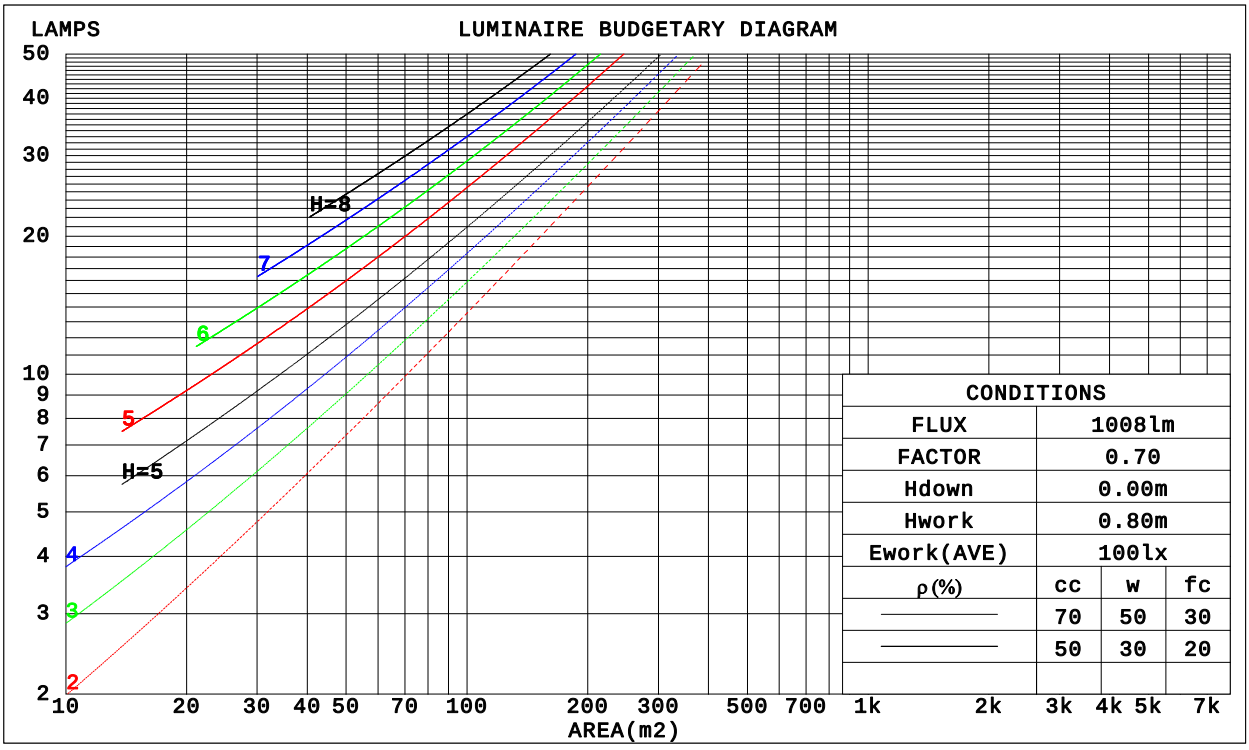
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	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	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.84	.78	.88	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	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	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.158	.049	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

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	.180	.156	.134	.154	.134	.116	.106	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	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	28.1	29.6	28.4	29.8	30.0	28.3	29.9	28.6	30.1	30.3
3H	29.5	30.9	29.8	31.2	31.4	29.9	31.3	30.2	31.5	31.8
4H	30.1	31.4	30.4	31.7	31.9	30.5	31.9	30.8	32.1	32.4
6H	30.4	31.7	30.7	31.9	32.2	30.9	32.2	31.3	32.5	32.8
8H	30.5	31.7	30.8	32.0	32.3	31.1	32.3	31.4	32.6	32.9
12H	30.5	31.7	30.9	32.0	32.3	31.1	32.3	31.5	32.6	32.9
4H 2H	28.7	30.1	29.0	30.3	30.6	28.9	30.3	29.2	30.5	30.8
3H	30.4	31.5	30.7	31.8	32.1	30.7	31.8	31.0	32.1	32.4
4H	31.0	32.1	31.4	32.4	32.7	31.4	32.5	31.8	32.8	33.1
6H	31.5	32.4	31.9	32.8	33.2	32.0	32.9	32.4	33.3	33.6
8H	31.6	32.5	32.0	32.9	33.3	32.1	33.0	32.6	33.4	33.8
12H	31.7	32.5	32.1	32.9	33.3	32.3	33.1	32.7	33.5	33.9
8H 4H	31.3	32.2	31.7	32.6	32.9	31.6	32.5	32.1	32.9	33.3
6H	31.9	32.7	32.4	33.1	33.5	32.3	33.1	32.8	33.5	33.9
8H	32.1	32.8	32.6	33.2	33.7	32.6	33.3	33.1	33.7	34.1
12H	32.3	32.8	32.7	33.3	33.8	32.8	33.4	33.3	33.8	34.3
12H 4H	31.3	32.1	31.7	32.5	32.9	31.6	32.5	32.1	32.9	33.3
6H	32.0	32.6	32.4	33.1	33.5	32.4	33.1	32.9	33.5	33.9
8H	32.2	32.8	32.7	33.2	33.7	32.7	33.3	33.2	33.7	34.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 1009 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.0)
Area: 0.004 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

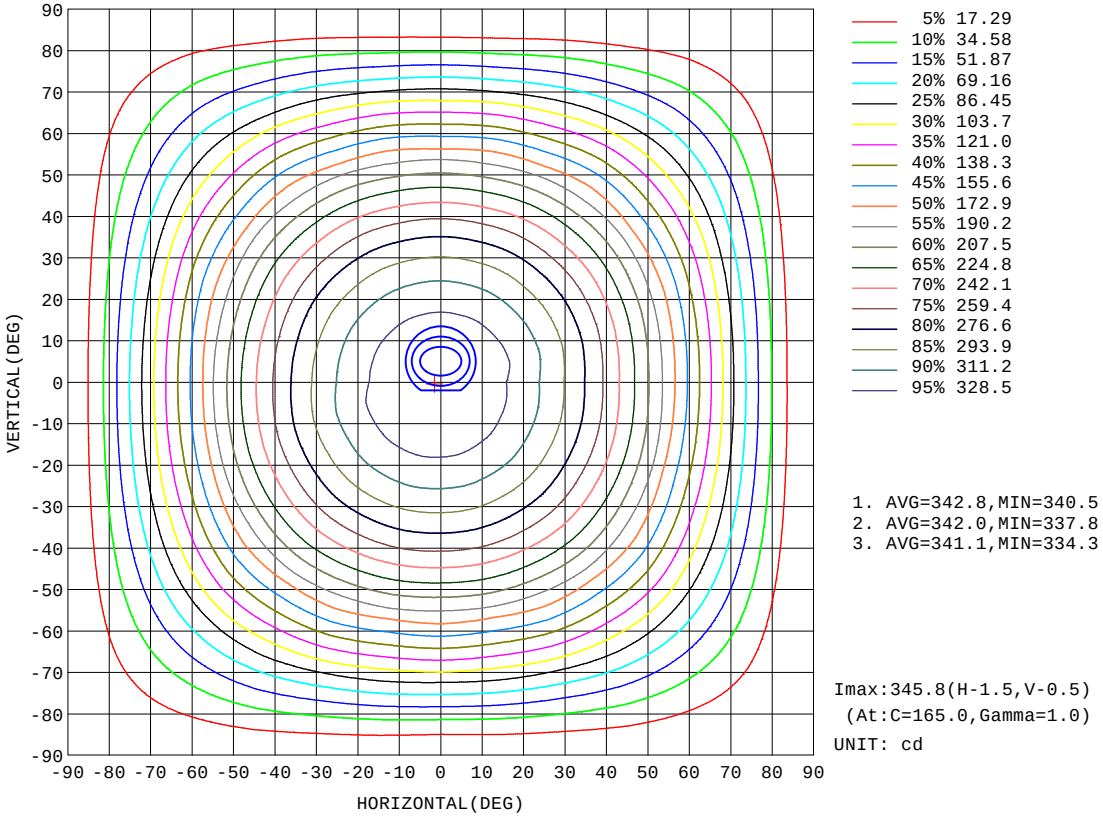
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	38	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	94	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



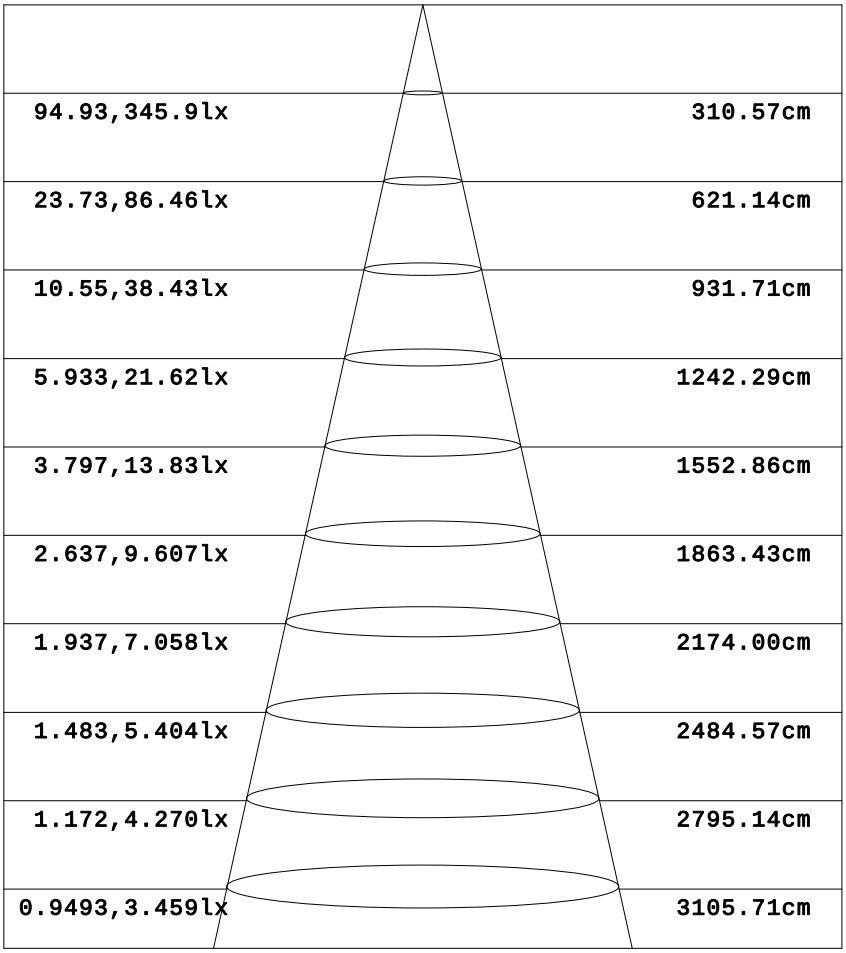
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:763.8 lm



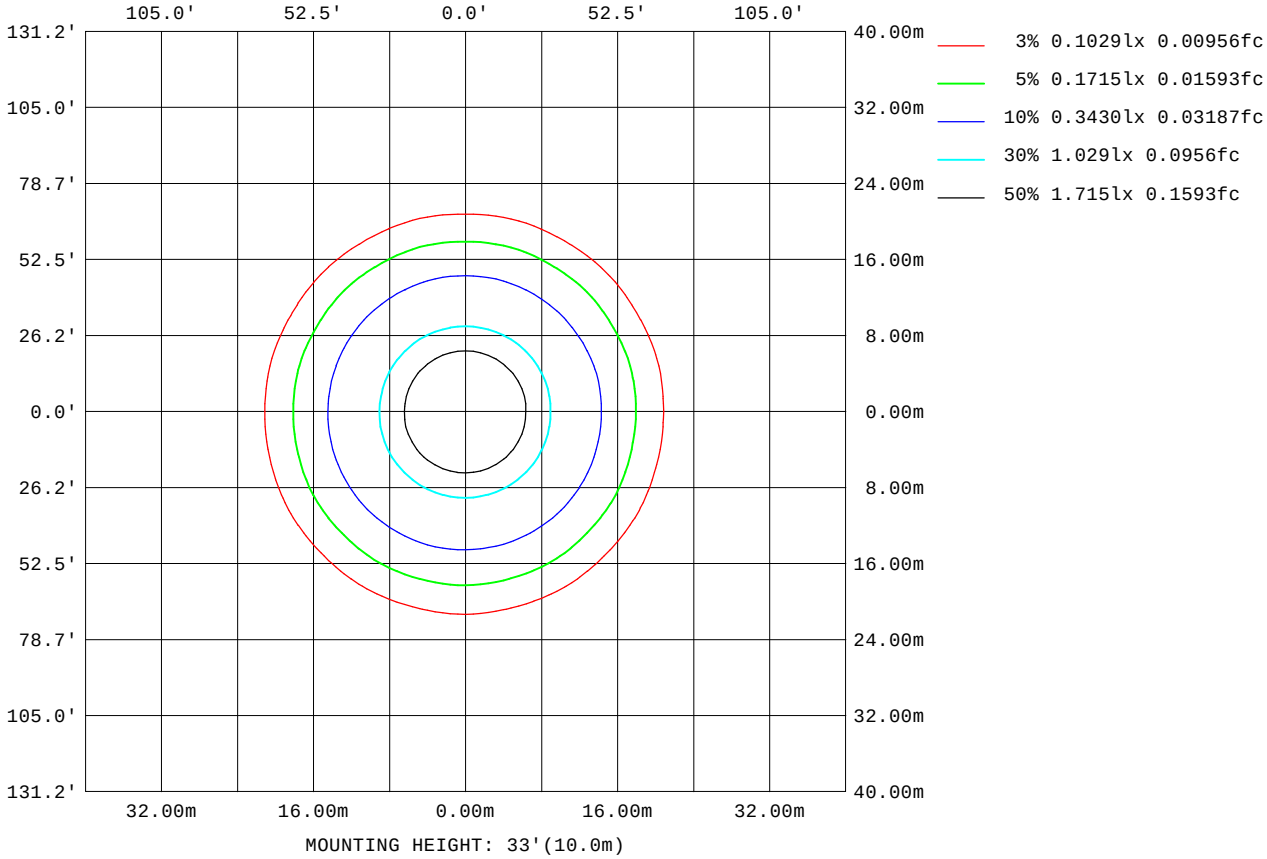
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

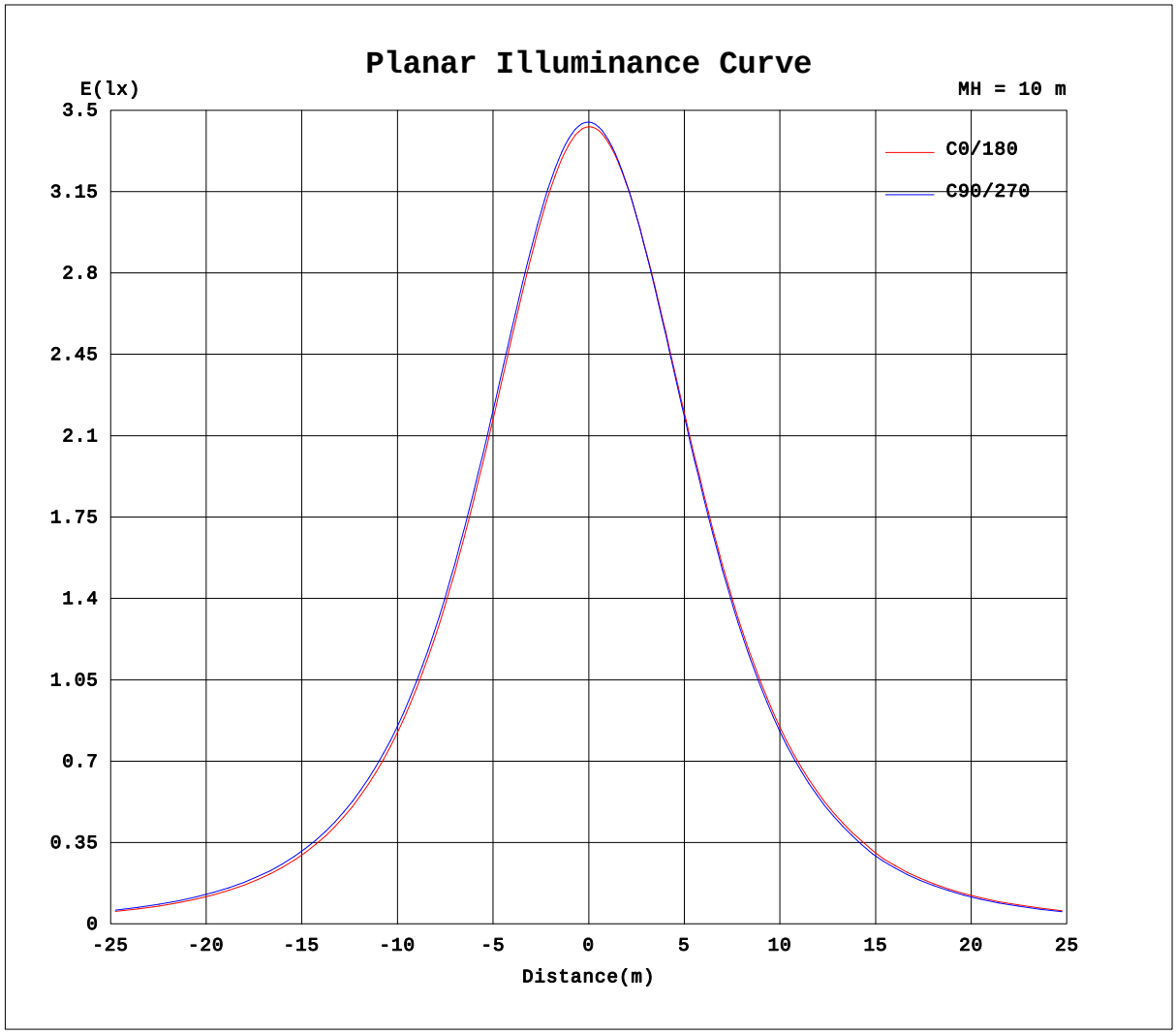
AvgL	cd/m2
L_0~180(65)av	74576
L_0~180(75)av	63251
L_0~180(85)av	42391
L_90~270(65)av	75497
L_90~270(75)av	63683
L_90~270(85)av	39171
L_45(65)av	75269
L_45(75)av	64303
L_45(85)av	45104

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [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:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	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	343	344	344	344	344	345	345	345	345	346	346	346	343	344	344	344	344	345	345
5	341	342	342	343	343	344	344	344	345	345	345	345	342	342	343	343	343	343	343
10	337	338	338	339	339	340	340	341	341	341	341	341	338	339	339	339	339	339	339
15	330	331	331	332	333	334	334	334	335	335	335	335	332	332	332	332	332	332	332
20	320	321	322	323	324	325	325	325	326	326	326	326	323	323	323	323	322	322	322
25	308	309	310	311	312	313	313	314	314	315	314	314	312	311	311	310	310	310	310
30	293	295	295	297	297	299	299	300	300	300	300	300	297	297	297	296	295	295	295
35	275	277	278	280	280	282	282	283	283	284	283	283	281	280	280	278	278	277	277
40	256	258	258	260	261	262	263	264	264	264	264	264	261	260	260	259	258	257	257
45	233	235	236	238	239	241	241	242	242	243	242	242	240	238	238	236	236	234	234
50	209	211	212	214	215	217	217	218	218	219	218	218	216	214	214	212	211	210	210
55	182	183	186	188	189	191	191	193	192	193	191	191	190	188	187	185	183	183	181
60	153	153	157	157	161	160	163	162	164	162	163	160	158	159	156	156	153	154	151
65	123	124	127	128	131	131	134	133	135	133	133	130	129	129	126	126	123	124	121
70	91.5	93.6	96.9	98.0	101	101	103	103	104	103	103	100	99.2	98.6	95.9	94.3	92.8	91.7	90.8
75	61.1	64.5	66.2	68.5	69.1	71.0	71.2	72.6	72.0	72.6	71.2	70.6	69.8	67.5	66.8	64.2	63.0	60.8	60.6
80	33.9	37.5	39.2	41.3	41.3	42.4	42.2	43.7	43.8	44.8	43.4	42.6	42.0	39.9	39.4	36.9	35.7	33.0	32.5
85	11.8	14.7	15.9	17.5	17.4	18.0	17.2	18.9	19.3	20.0	19.0	18.4	17.8	16.3	15.8	13.7	12.6	10.8	10.2
90	0.00	0.00	0.67	1.47	1.64	2.10	1.93	2.44	2.33	2.54	1.89	1.26	0.58	0.38	0.61	0.30	0.17	0.00	0.00
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:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.4385A P:10.524W PF:1.0000 Freq:0Hz Lamp Flux:1008.55x1 lm		
NAME: HCP-3125965	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345
0	345	345	346	346	346
5	343	344	344	344	344
10	339	339	339	340	340
15	332	332	332	332	333
20	322	322	322	323	323
25	309	310	310	310	311
30	294	295	295	295	296
35	276	277	277	278	278
40	256	257	257	258	258
45	234	234	234	235	235
50	209	210	209	210	211
55	182	181	182	182	183
60	153	151	153	152	154
65	122	121	123	122	124
70	90.5	90.4	91.0	91.6	92.7
75	59.6	60.7	60.9	62.7	62.8
80	32.0	33.7	34.0	35.8	35.7
85	9.98	11.2	11.7	13.1	13.2
90	0.00	0.00	0.00	0.00	0.01
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:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks: