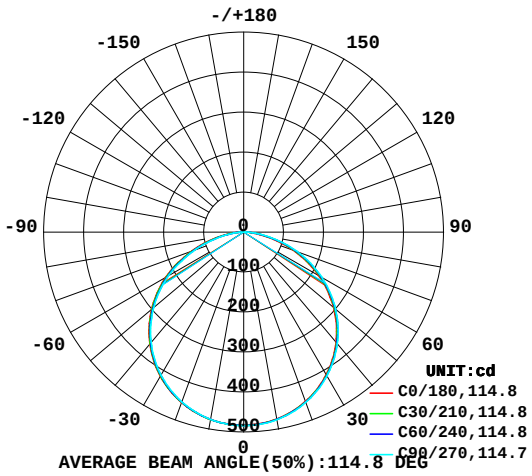
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

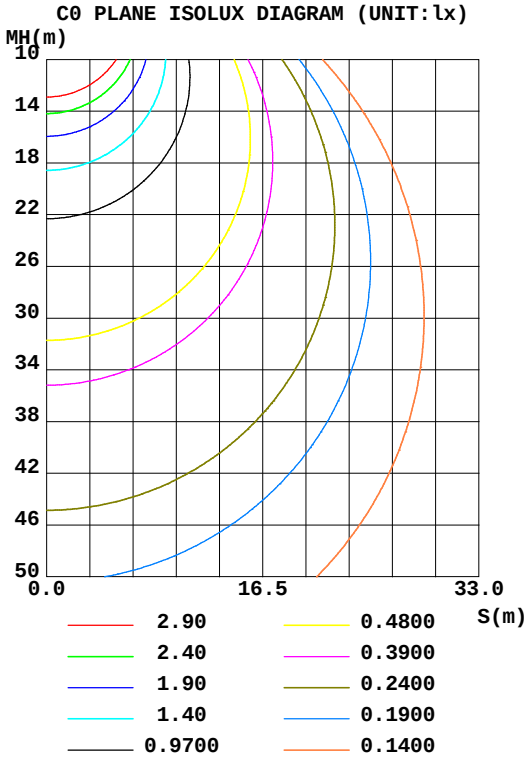
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 92.61 lm/W	
MODEL	HCP-3125143	Imax(cd)	484.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)	14.4	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1409.6	η UP,DN(C0-180)	0.0,50.5
NOMINAL FLUX(lm)	1409.56	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.5
LAMPS INSIDE	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%):114.8 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	474.6	476.0	476.4	477.3	476.0	476.0	475.8	475.8	0- 10	45.83	45.83	3.25,3.25
20	451.1	453.0	453.7	454.9	453.8	452.9	452.1	452.0	10- 20	131.7	177.5	12.6,12.6
30	412.5	415.2	416.0	418.0	416.8	414.8	413.3	413.0	20- 30	201.0	378.5	26.9,26.9
40	359.7	363.3	364.5	366.9	365.5	362.4	360.2	359.7	30- 40	244.4	622.9	44.2,44.2
50	293.7	298.6	300.4	302.8	301.0	296.7	293.9	293.2	40- 50	255.9	878.8	62.3,62.3
60	216.1	222.6	225.4	227.6	224.7	219.1	216.2	215.0	50- 60	232.8	1112	78.9,78.9
70	130.5	136.1	142.2	141.3	137.2	133.4	127.7	128.7	60- 70	176.2	1288	91.4,91.4
80	47.91	55.15	57.61	59.65	56.32	50.30	45.72	46.23	70- 80	97.41	1385	98.3,98.3
90	0	2.032	2.622	3.390	0.7611	0.6543	0.1552	0.3382	80- 90	24.22	1409	100,100
100	0	0	0	0	0	0	0	0	90-100	0.1580	1410	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1410	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1410	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1410	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1410	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1410	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1410	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1410	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1410	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 751.56 lm

%lum = 53.3%
%lamp = 53.3%

Conical surface Flux(120deg): 1111.5 lm

%lum = 78.9%
%lamp = 78.9%

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

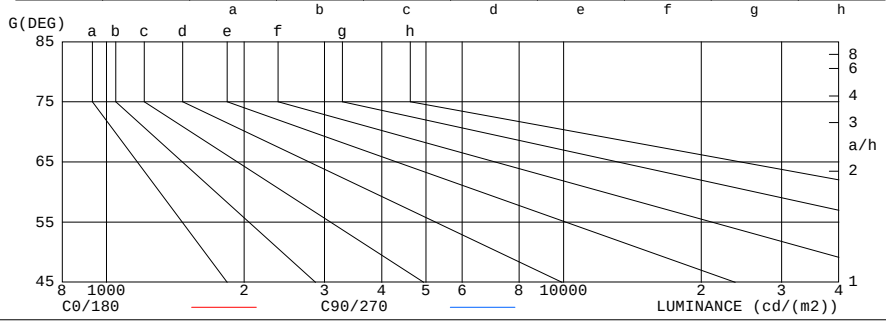
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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	46753	66562
80	68969	82948
75	83067	96009
70	95385	103940
65	102822	109158
60	108028	112722
55	111640	115140
50	114229	116851
45	116060	118070

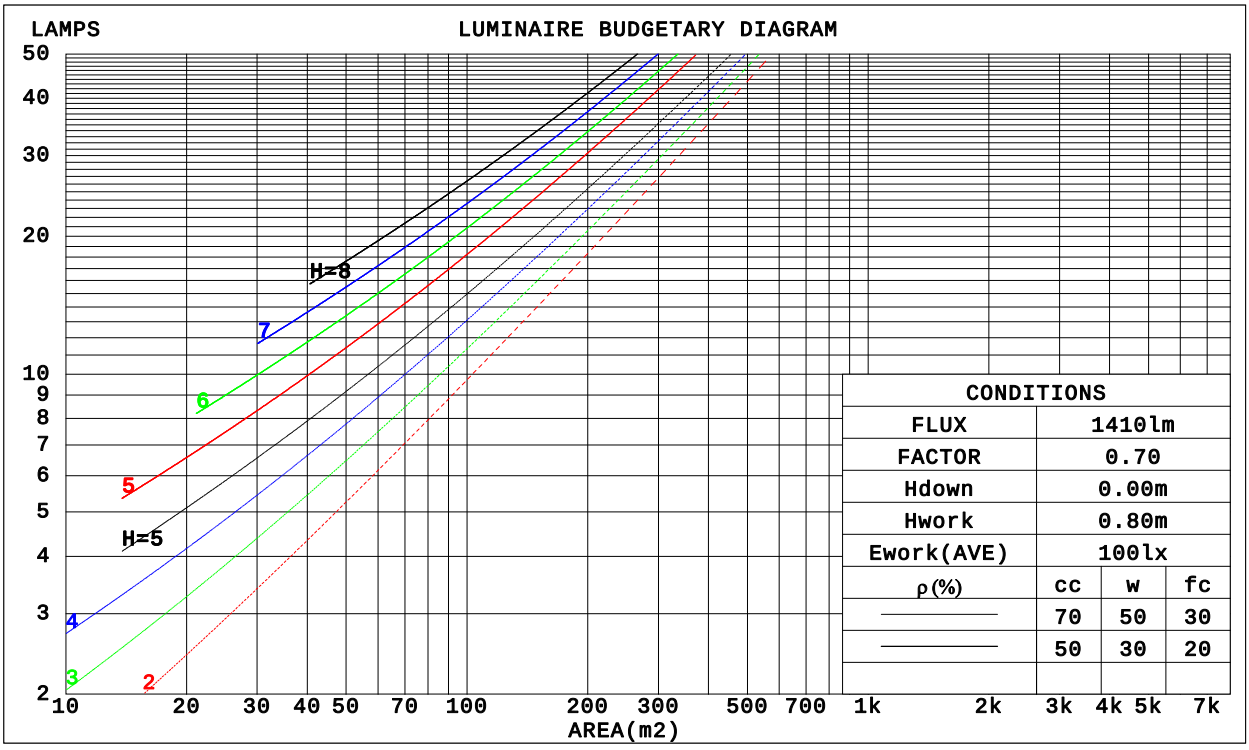
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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	.309	.176	.056	.302	.172	.055	.288	.165	.053	.276	.159	.051	.265	.154	.050	
2.0	.292	.160	.049	.285	.157	.048	.274	.152	.047	.263	.147	.046	.253	.143	.045	
3.0	.270	.144	.043	.265	.142	.043	.254	.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	.218	.114	.033	.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	.189	.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	.174	.084	.024	.172	.084	.023	.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	.135	.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	.011	.006	
6.0	.143	.082	.039	.122	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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	29.3	30.8	29.6	31.0	31.3	29.5	31.0	29.7	31.2	31.4
	3H	30.8	32.2	31.0	32.4	32.6	31.0	32.4	31.3	32.6	32.9
	4H	31.3	32.6	31.6	32.9	33.1	31.6	33.0	31.9	33.2	33.5
	6H	31.6	32.9	31.9	33.2	33.4	32.0	33.3	32.4	33.6	33.8
	8H	31.7	32.9	32.0	33.2	33.5	32.2	33.4	32.5	33.7	33.9
	12H	31.7	32.9	32.1	33.2	33.5	32.2	33.4	32.6	33.7	34.0
4H	2H	29.9	31.3	30.3	31.5	31.8	30.1	31.4	30.4	31.7	31.9
	3H	31.6	32.7	31.9	33.0	33.3	31.8	33.0	32.1	33.3	33.6
	4H	32.2	33.3	32.6	33.6	33.9	32.5	33.6	32.9	33.9	34.2
	6H	32.7	33.6	33.1	34.0	34.3	33.1	34.0	33.5	34.4	34.7
	8H	32.8	33.7	33.2	34.0	34.4	33.2	34.1	33.6	34.5	34.9
	12H	32.9	33.7	33.3	34.1	34.5	33.3	34.1	33.8	34.5	34.9
8H	4H	32.5	33.4	32.9	33.7	34.1	32.7	33.6	33.2	34.0	34.4
	6H	33.1	33.8	33.5	34.2	34.6	33.4	34.2	33.9	34.6	35.0
	8H	33.3	33.9	33.7	34.3	34.8	33.7	34.3	34.1	34.8	35.2
	12H	33.4	34.0	33.9	34.4	34.9	33.9	34.4	34.3	34.9	35.3
12H	4H	32.5	33.3	32.9	33.7	34.1	32.7	33.6	33.2	34.0	34.4
	6H	33.1	33.8	33.6	34.2	34.7	33.5	34.1	33.9	34.5	35.0
	8H	33.4	33.9	33.8	34.4	34.8	33.8	34.3	34.2	34.8	35.2
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1410 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.2)
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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

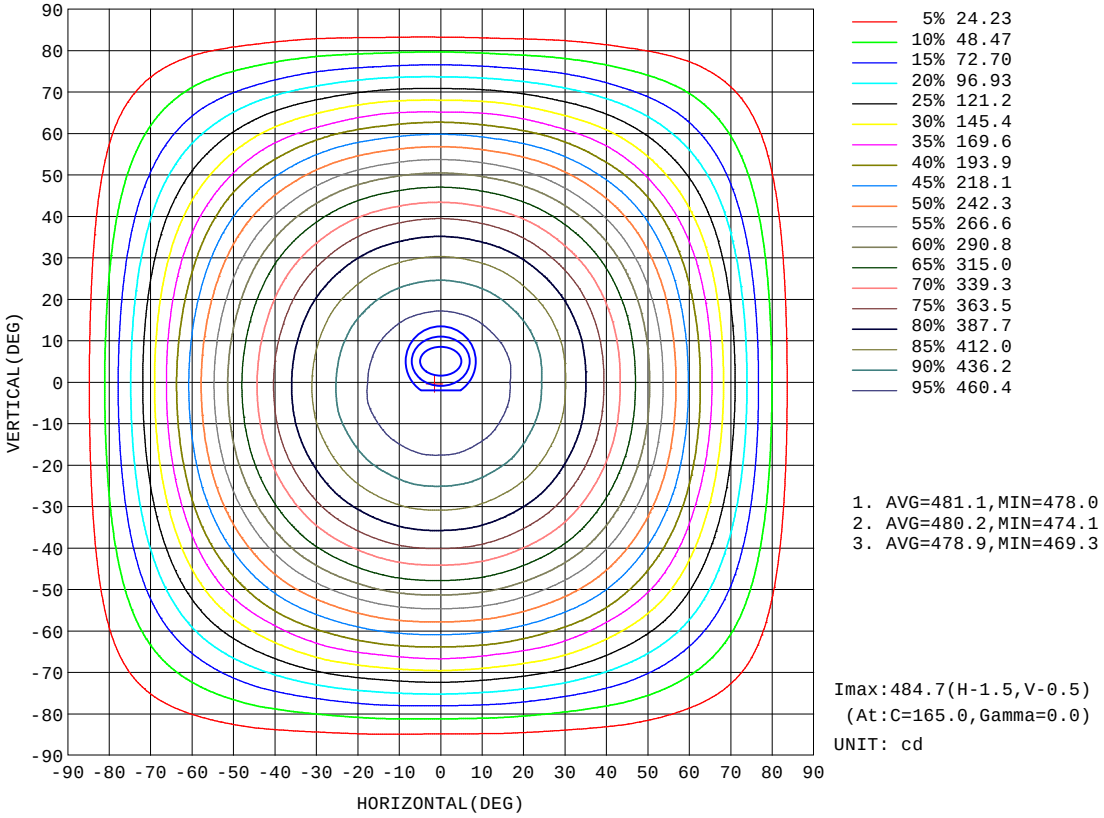
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	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	95	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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



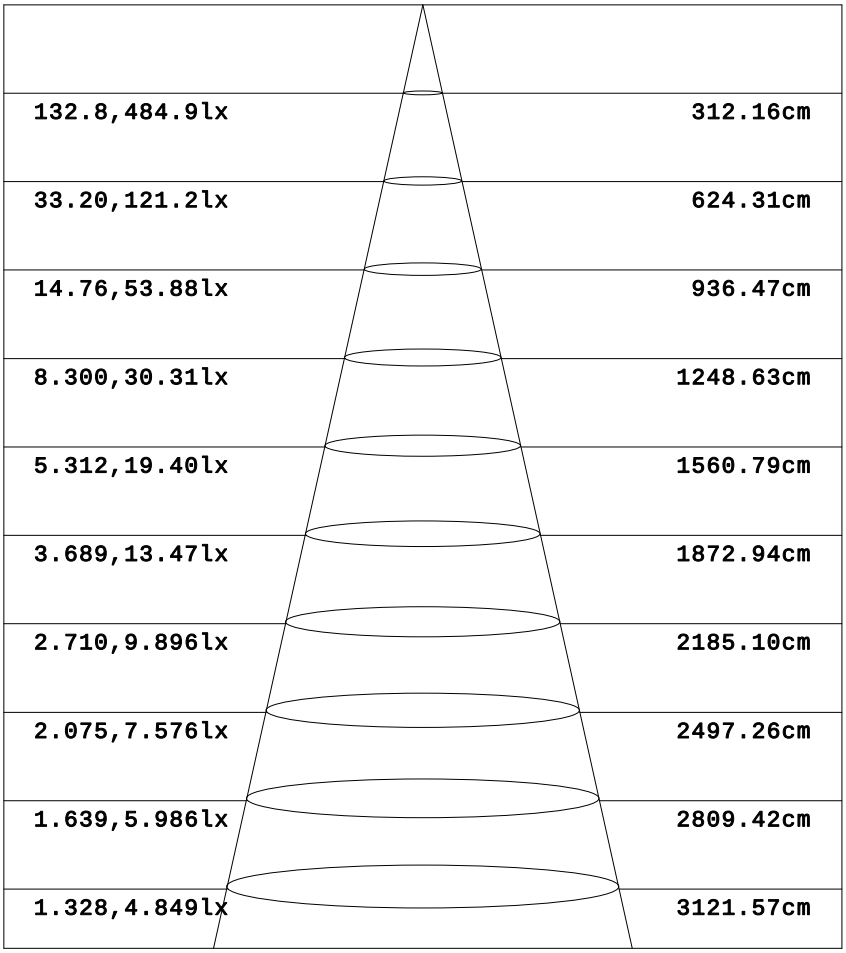
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:1068 lm



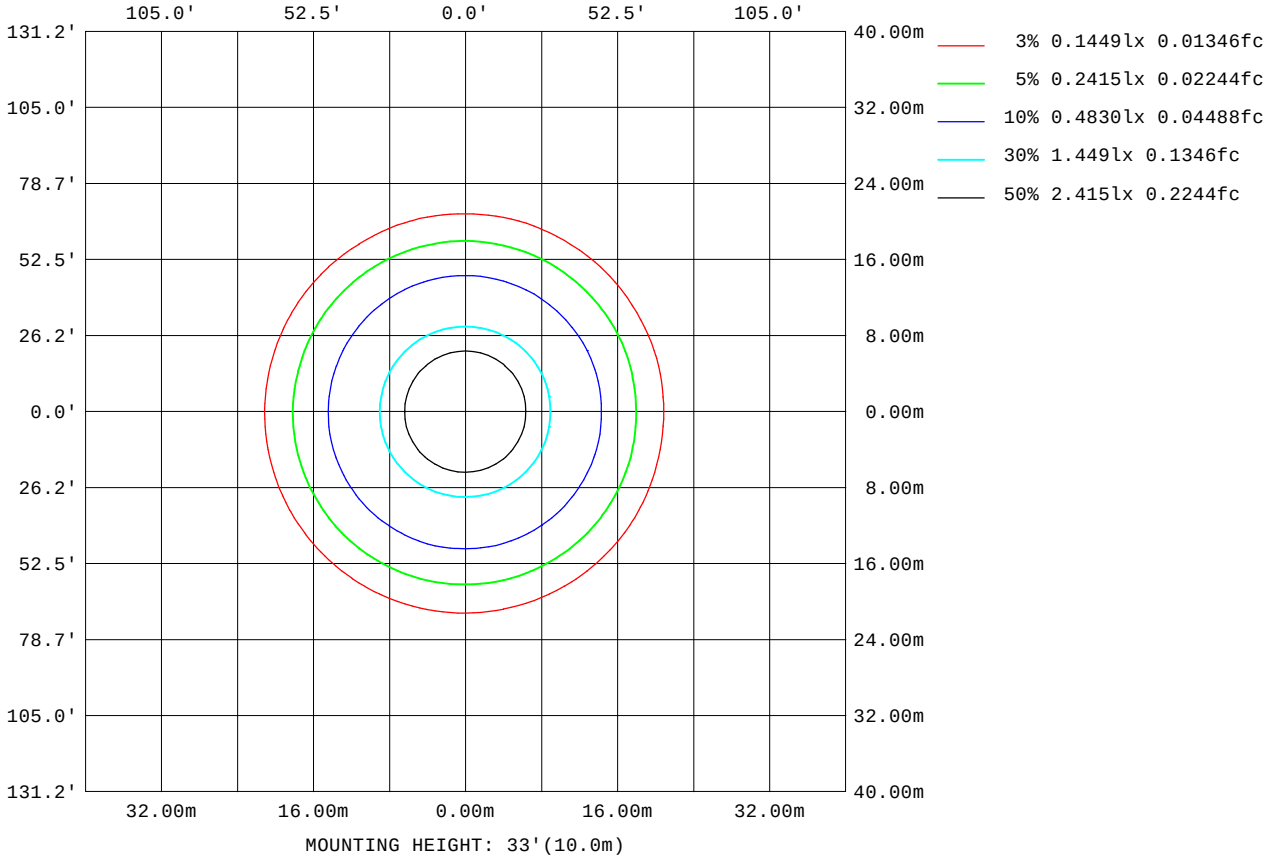
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

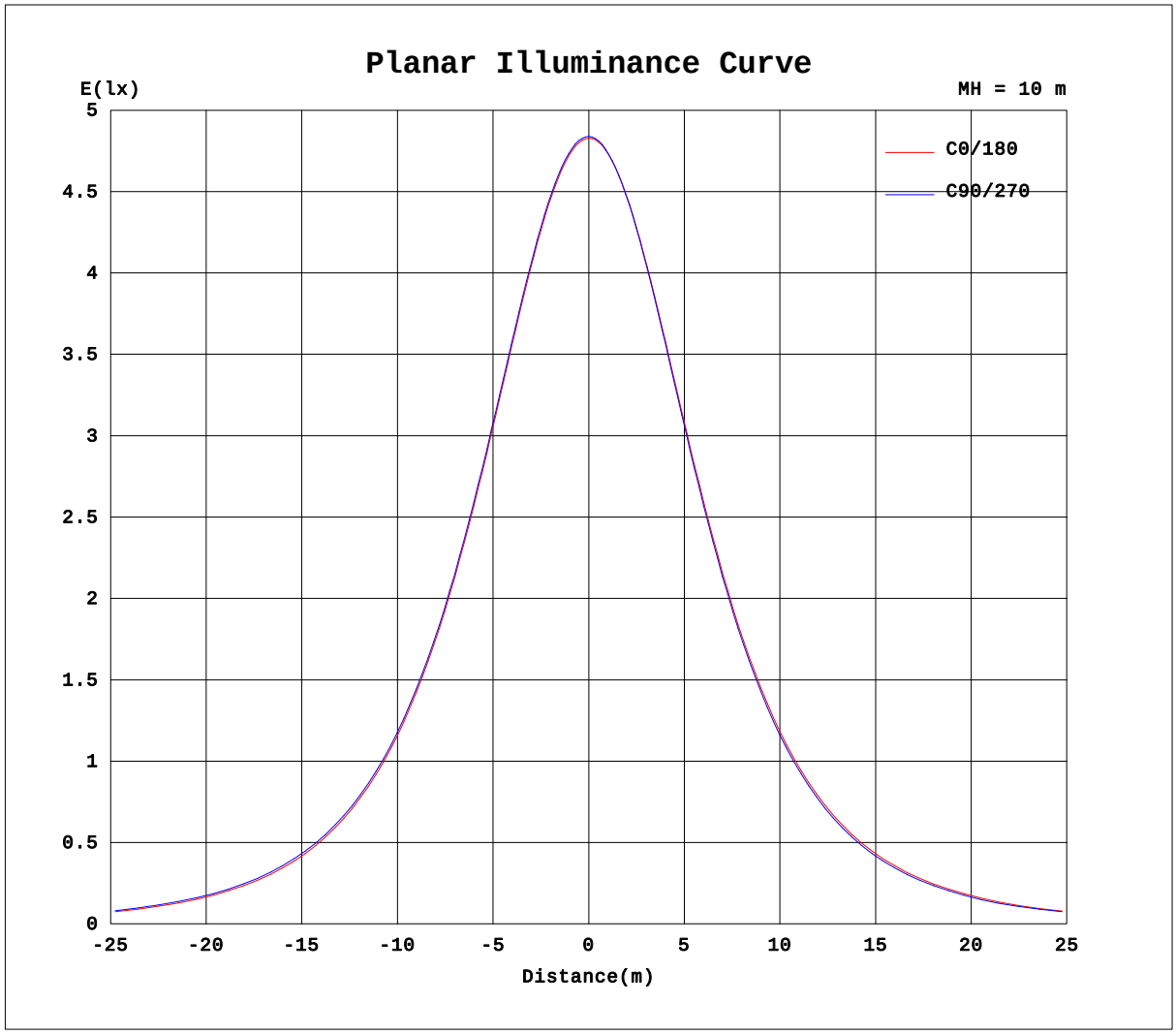
AvgL	cd/m2
L_0~180(65)av	105105
L_0~180(75)av	87564
L_0~180(85)av	56392
L_90~270(65)av	105024
L_90~270(75)av	89164
L_90~270(85)av	53799
L_45(65)av	105585
L_45(75)av	88538
L_45(85)av	59238

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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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	483	483	484	484	484	484	484	484	484	484	485	485	483	483	484	484	484	484	484
5	481	481	481	482	482	482	482	483	483	483	483	483	481	482	482	482	482	482	482
10	475	475	475	476	476	476	476	477	477	477	477	478	476	476	476	476	476	476	476
15	465	466	466	466	466	467	467	468	468	468	468	469	467	467	467	466	466	466	466
20	451	452	452	453	453	454	454	455	455	455	455	455	454	454	453	453	453	452	452
25	434	435	435	436	436	437	437	438	438	438	438	439	437	437	437	436	435	435	435
30	413	414	414	415	415	416	416	417	417	418	418	418	417	416	416	415	414	413	413
35	388	389	389	391	391	392	392	393	393	394	394	394	393	392	392	390	390	388	388
40	360	361	362	363	363	365	365	366	366	367	366	367	366	364	364	362	362	360	360
45	328	330	331	332	333	334	334	336	335	336	336	336	335	333	333	331	331	329	329
50	294	296	297	299	299	300	300	302	302	303	302	302	301	299	299	297	296	294	294
55	256	259	260	262	262	264	264	266	266	267	265	265	264	262	262	259	259	256	256
60	216	219	220	223	223	225	225	227	227	228	226	226	225	222	222	219	219	216	216
65	174	174	178	180	182	183	185	185	186	185	185	183	182	180	178	177	173	174	171
70	130	131	135	136	139	140	142	142	143	141	142	139	137	137	134	133	130	130	128
75	86.0	89.3	91.7	93.8	96.7	97.5	99.4	99.4	100	98.9	98.7	96.2	95.3	93.6	91.7	89.9	87.9	85.3	85.2
80	47.9	51.0	52.4	55.1	55.6	57.7	57.6	59.4	58.8	59.6	57.9	57.1	56.3	53.6	53.2	50.3	49.0	45.9	45.7
85	16.3	19.2	20.6	22.7	22.9	23.8	23.2	25.0	25.1	26.1	24.7	24.0	23.0	21.2	20.7	18.4	17.4	15.1	14.3
90	0.00	0.21	1.25	2.03	2.26	2.73	2.62	3.24	3.10	3.39	2.74	1.92	0.76	0.56	1.02	0.65	0.55	0.29	0.16
95	0.00	0.00	0.00	0.00	0.12	0.22	0.18	0.23	0.21	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:0.6342A P:15.221W PF:1.0000 Freq:0Hz Lamp Flux:1409.56x1 lm		
NAME: HCP-3125143	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 14.4W	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	484	484	484	485	485														
5	482	482	482	482	483														
10	476	476	476	476	477														
15	466	466	466	466	467														
20	452	452	452	453	453														
25	434	435	434	435	435														
30	413	413	413	414	414														
35	388	388	388	389	389														
40	359	360	360	361	361														
45	328	329	328	330	330														
50	293	294	293	295	295														
55	255	256	255	257	257														
60	215	216	215	217	217														
65	172	170	172	171	174														
70	129	127	129	128	131														
75	83.6	84.7	84.0	86.1	86.1														
80	44.5	46.0	46.2	48.2	48.1														
85	13.9	15.3	15.3	16.9	16.9														
90	0.19	0.34	0.34	0.39	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: