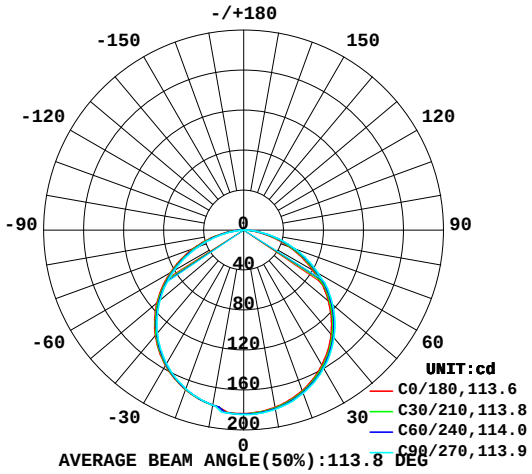
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

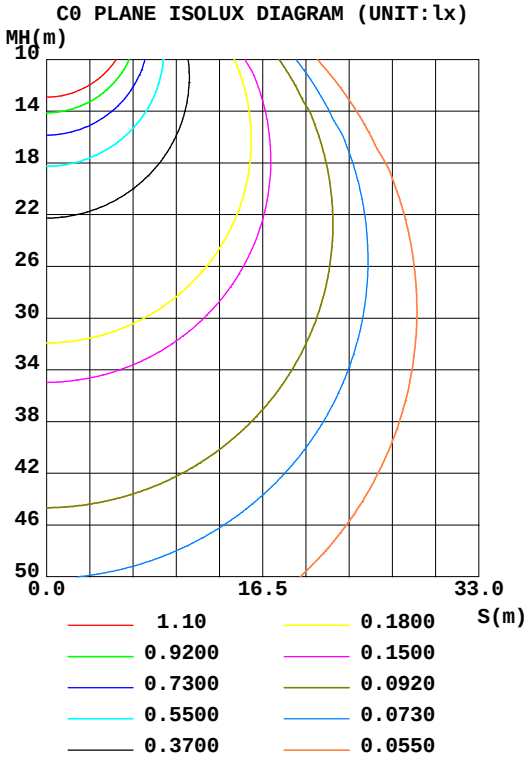
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 96.50 lm/W	
MODEL	HCP-3125485	Imax(cd)	185.0	S/MH(C0/180)	1.27
NOMINAL POWER(W)	4.8	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	533.57	η UP,DN(C0-180)	0.0,50.8
NOMINAL FLUX(lm)	533.566	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2
LAMPS INSIDE	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%):113.8 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	180.1	178.0	182.1	181.1	177.9	181.1	178.0	181.3	0- 10	17.41	17.41	3.26,3.26
20	171.0	169.7	173.8	171.5	170.0	172.4	169.0	172.0	10- 20	49.78	67.19	12.6,12.6
30	156.3	155.8	159.9	158.1	156.4	157.9	154.4	157.0	20- 30	76.02	143.2	26.8,26.8
40	136.1	136.6	140.6	139.2	137.5	138.0	134.4	136.6	30- 40	92.56	235.8	44.2,44.2
50	110.8	112.4	116.3	115.2	113.3	112.9	109.4	111.0	40- 50	96.94	332.7	62.4,62.4
60	79.69	83.77	85.93	86.69	84.60	81.60	80.00	79.40	50- 60	87.82	420.5	78.8,78.8
70	48.06	52.30	54.46	55.05	52.97	49.51	47.75	47.27	60- 70	66.29	486.8	91.2,91.2
80	18.06	21.94	22.78	24.17	22.40	19.35	16.77	17.45	70- 80	37.27	524.1	98.2,98.2
90	0	0.4998	1.054	1.372	0	0.0019	0	0	80- 90	9.443	533.5	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0331	533.6	100,100
110	0	0	0	0	0	0	0	0	100-110	0	533.6	100,100
120	0	0	0	0	0	0	0	0	110-120	0	533.6	100,100
130	0	0	0	0	0	0	0	0	120-130	0	533.6	100,100
140	0	0	0	0	0	0	0	0	130-140	0	533.6	100,100
150	0	0	0	0	0	0	0	0	140-150	0	533.6	100,100
160	0	0	0	0	0	0	0	0	150-160	0	533.6	100,100
170	0	0	0	0	0	0	0	0	160-170	0	533.6	100,100
180	0	0	0	0	0	0	0	0	170-180	0	533.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 284.52 lm

%lum = 53.3%
%lamp = 53.3%

Conical surface Flux(120deg): 420.54 lm

%lum = 78.8%
%lamp = 78.8%

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

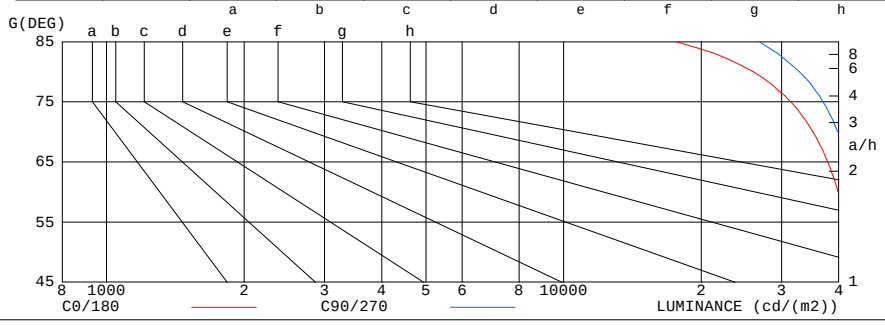
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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	17591	26788
80	25997	32791
75	31368	36943
70	35131	39806
65	37847	41700
60	39843	42965
55	42067	44617
50	43106	45227
45	43870	45635

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:

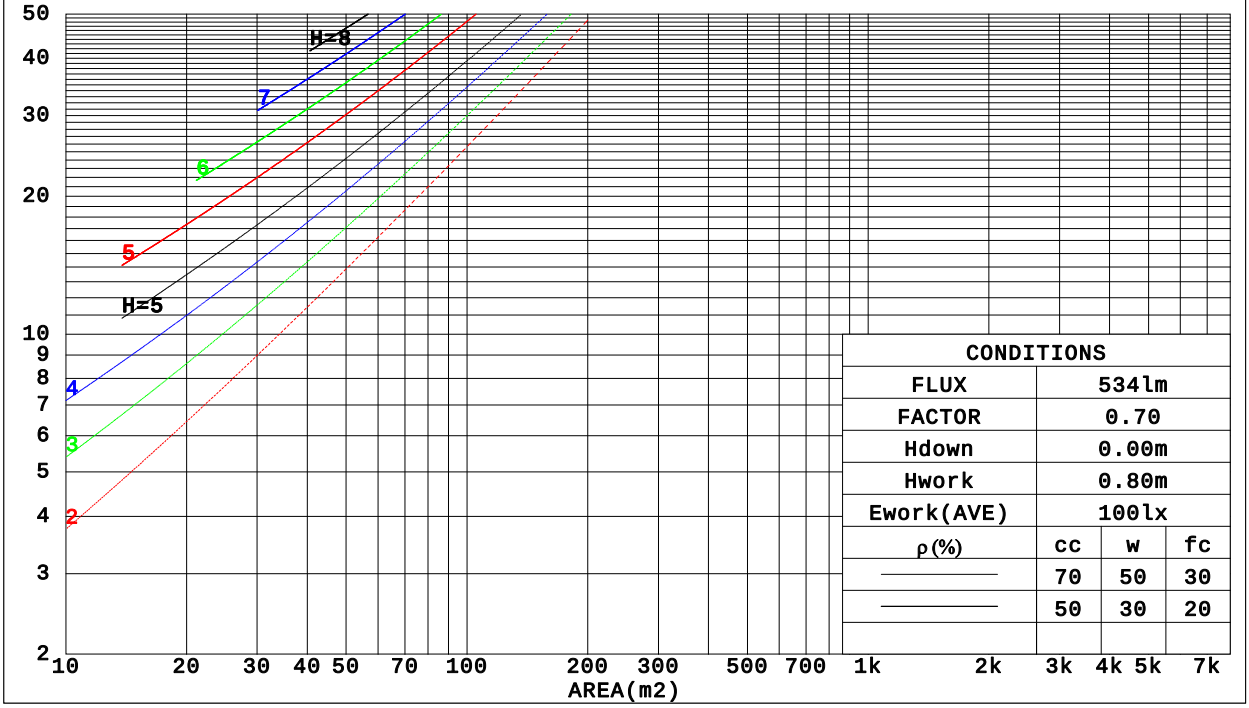
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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	.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	.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

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	534lm		
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: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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.048	.274	.152	.047	.263	.148	.046	.253	.143	.045	
3.0	.270	.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	.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	.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	.142	.082	.039	.122	.071	.034	.084	.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	.073	.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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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	25.9	27.4	26.1	27.6	27.8	26.1	27.7	26.4	27.9	28.1
3H	27.3	28.7	27.6	28.9	29.2	27.7	29.1	28.0	29.4	29.6
4H	27.8	29.2	28.1	29.4	29.7	28.3	29.7	28.6	29.9	30.2
6H	28.2	29.4	28.5	29.7	30.0	28.8	30.0	29.1	30.3	30.6
8H	28.3	29.5	28.6	29.8	30.1	28.9	30.1	29.3	30.4	30.7
12H	28.3	29.5	28.6	29.8	30.1	29.0	30.2	29.3	30.5	30.8
4H 2H	26.5	27.8	26.8	28.1	28.4	26.7	28.1	27.0	28.3	28.6
3H	28.1	29.3	28.5	29.6	29.9	28.5	29.6	28.8	29.9	30.2
4H	28.8	29.9	29.2	30.2	30.5	29.2	30.3	29.6	30.6	31.0
6H	29.3	30.2	29.7	30.6	30.9	29.8	30.8	30.2	31.1	31.5
8H	29.4	30.3	29.8	30.6	31.0	30.0	30.9	30.4	31.2	31.6
12H	29.4	30.3	29.9	30.6	31.1	30.1	30.9	30.5	31.3	31.7
8H 4H	29.1	30.0	29.5	30.3	30.7	29.5	30.4	29.9	30.7	31.1
6H	29.7	30.4	30.1	30.8	31.3	30.2	30.9	30.6	31.3	31.8
8H	29.9	30.6	30.4	31.0	31.4	30.5	31.1	30.9	31.5	32.0
12H	30.0	30.6	30.5	31.0	31.5	30.7	31.2	31.1	31.7	32.2
12H 4H	29.1	29.9	29.5	30.3	30.7	29.5	30.3	29.9	30.7	31.1
6H	29.8	30.4	30.2	30.8	31.3	30.2	30.9	30.7	31.3	31.8
8H	30.0	30.6	30.5	31.0	31.5	30.6	31.1	31.0	31.6	32.0

Variations with the observer position at spacings:		
S = 1.0H	+ 0.2 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.4	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.1 / - 0.3

CIE Pub.117, 533.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.2)
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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

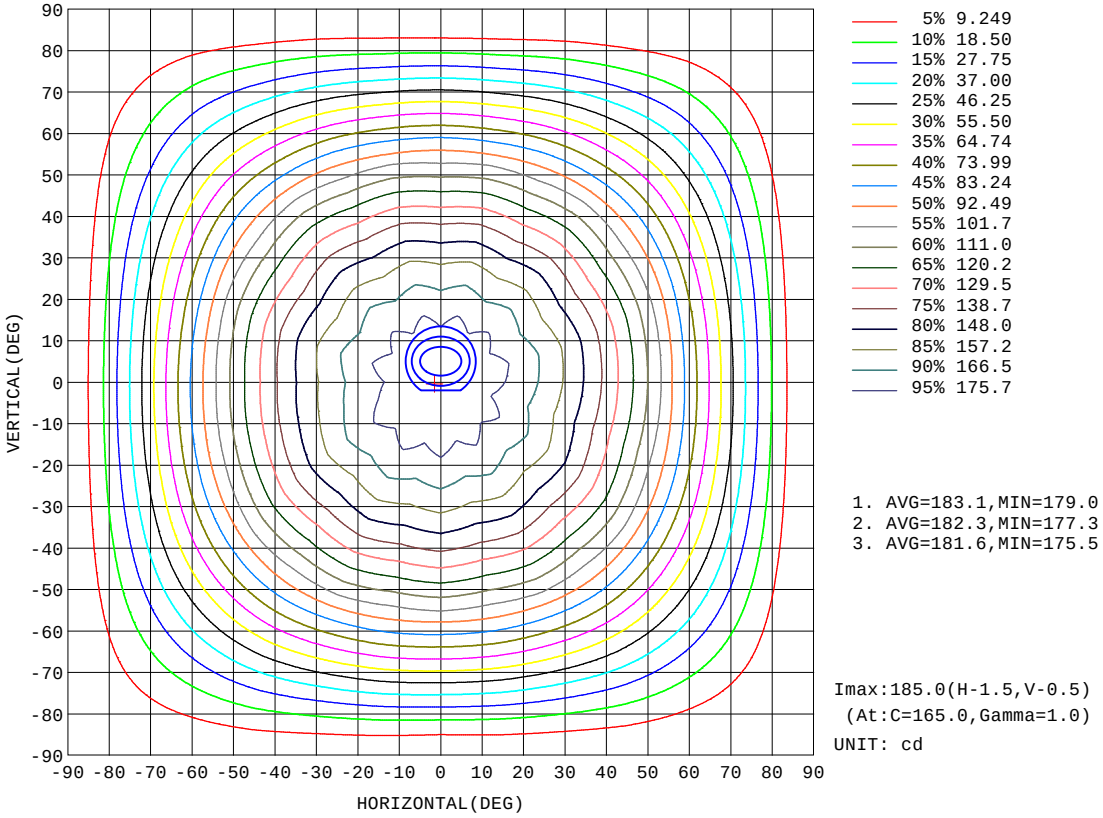
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	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	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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



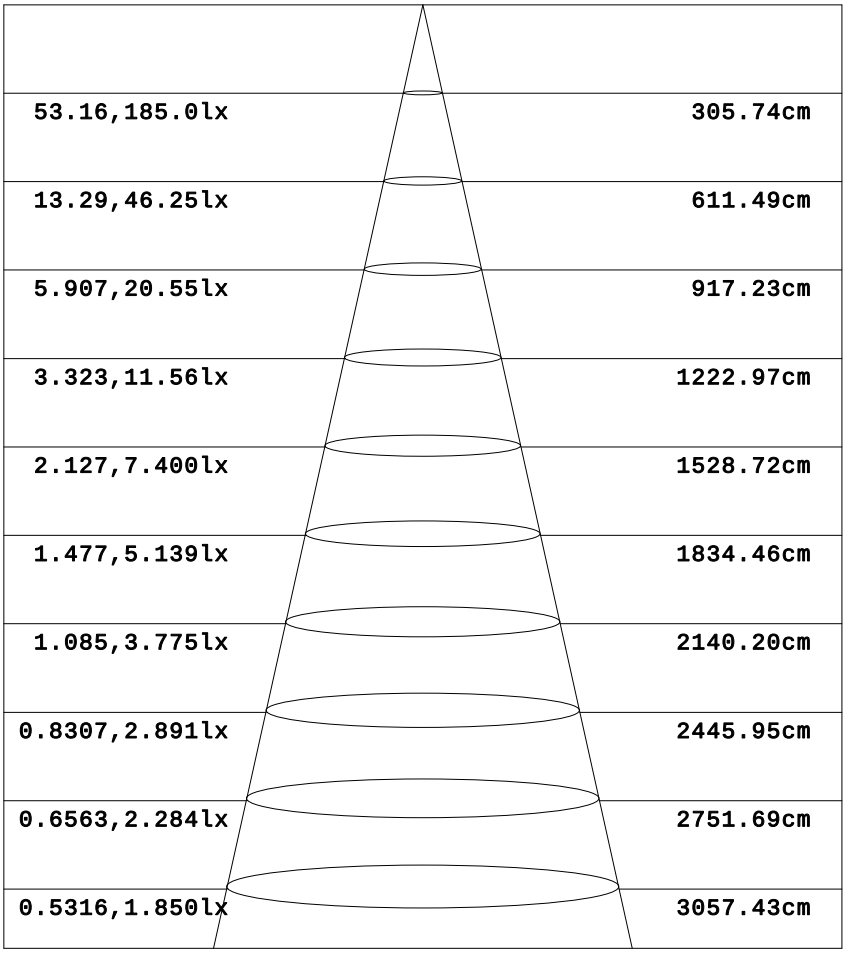
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
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Test Date:2024-07-25

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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:396.0 lm



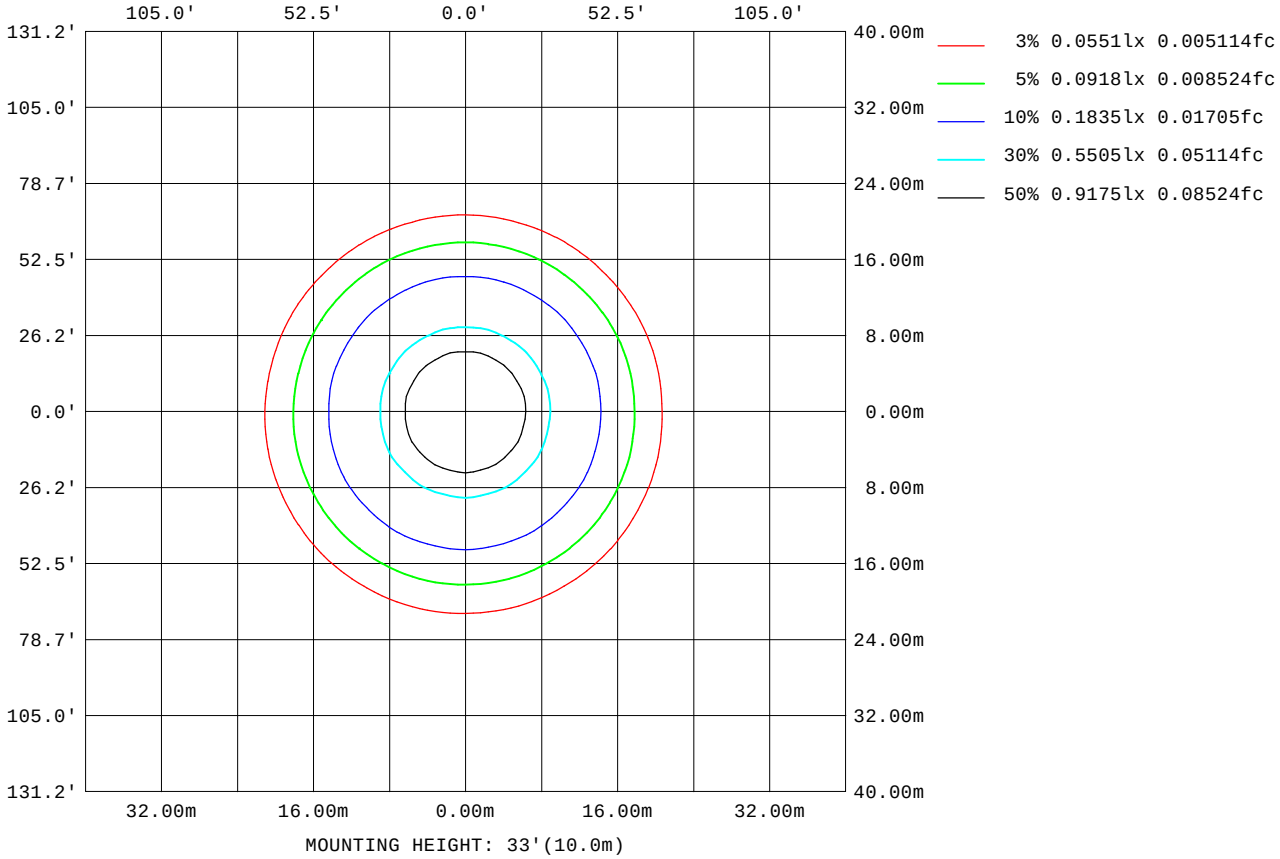
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

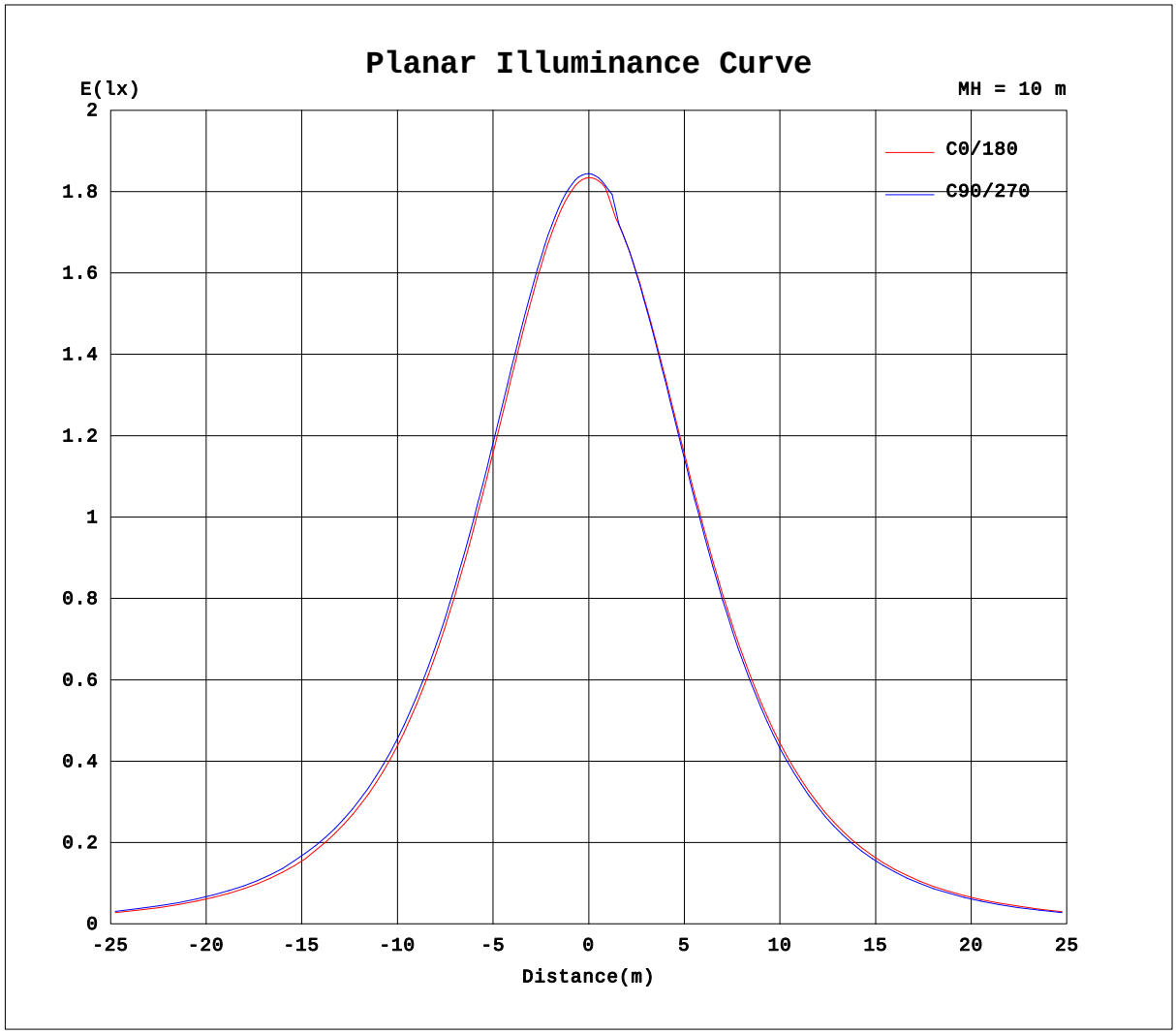
AvgL	cd/m2
L_0~180(65)av	39314
L_0~180(75)av	33682
L_0~180(85)av	22263
L_90~270(65)av	39805
L_90~270(75)av	33768
L_90~270(85)av	20743
L_45(65)av	39704
L_45(75)av	34131
L_45(85)av	23323

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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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	184	184	184	184	184	184	184	185	185	185	185	185	184	184	184	184	184	184	184
5	182	183	183	183	184	184	184	184	184	184	184	185	183	183	183	183	184	183	184
10	180	177	181	178	182	179	182	179	182	181	183	181	178	181	178	181	178	181	178
15	176	174	177	175	178	175	179	176	179	176	179	176	175	178	175	177	174	177	174
20	171	169	172	170	173	171	174	171	174	172	175	172	170	173	170	172	169	172	169
25	164	162	166	163	167	164	168	165	168	166	168	165	164	167	163	166	163	165	162
30	156	154	158	156	159	157	160	158	161	158	161	158	156	159	156	158	155	157	154
35	147	145	148	147	150	148	151	149	152	149	152	149	148	150	147	149	146	148	145
40	136	135	138	137	140	138	141	139	141	139	141	139	137	139	136	138	135	137	134
45	124	123	126	125	128	127	129	127	130	128	130	127	126	127	125	126	123	125	122
50	111	110	113	112	115	114	116	115	117	115	117	115	113	114	112	113	110	111	109
55	96.5	96.1	98.9	98.6	101	100	102	101	103	101	103	101	99.5	100	98.0	98.5	96.3	97.0	95.2
60	79.7	81.2	82.2	83.8	84.6	85.7	85.9	86.7	86.5	86.7	86.0	85.7	84.6	83.4	82.9	81.6	81.1	80.1	80.0
65	64.0	65.5	66.6	68.2	69.1	70.3	70.5	71.2	71.0	71.1	70.3	70.0	68.9	67.7	67.0	65.7	65.2	64.2	64.1
70	48.1	49.6	50.6	52.3	53.0	54.3	54.5	55.2	54.9	55.1	54.2	53.9	53.0	51.7	50.9	49.5	49.0	47.8	47.8
75	32.5	34.0	35.0	36.6	37.0	38.1	38.2	39.0	38.8	39.1	38.3	38.0	37.3	35.9	35.4	33.9	33.1	31.8	31.7
80	18.1	19.6	20.6	21.9	22.2	22.9	22.8	23.6	23.6	24.2	23.4	23.0	22.4	21.1	20.7	19.4	18.6	17.1	16.8
85	6.13	7.32	8.07	9.13	9.30	9.79	9.34	10.3	10.4	10.8	10.3	9.94	9.39	8.40	8.00	6.87	6.32	5.41	5.12
90	0.00	0.00	0.01	0.50	0.77	1.12	1.05	1.39	1.30	1.37	0.99	0.57	0.00	0.01	0.00	0.00	0.00	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:0.2304A P:5.5291W PF:1.0000 Freq:0Hz Lamp Flux:533.566x1 lm		
NAME: HCP-3125485	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 5000K 4.8W	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	185	185	185	185	185
5	184	184	184	184	184
10	181	178	181	178	182
15	177	174	177	174	178
20	172	169	172	169	172
25	165	162	165	163	166
30	157	154	157	155	158
35	147	145	148	145	148
40	136	134	137	135	137
45	124	122	124	123	125
50	111	109	111	110	112
55	95.5	94.9	96.5	95.4	97.2
60	79.3	79.7	79.4	80.1	80.2
65	63.4	63.7	63.5	64.2	64.3
70	47.1	47.4	47.3	48.1	48.3
75	31.0	31.7	31.8	32.7	32.7
80	16.5	17.3	17.4	18.3	18.3
85	5.03	5.55	5.69	6.33	6.33
90	0.00	0.00	0.00	0.00	0.00
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: