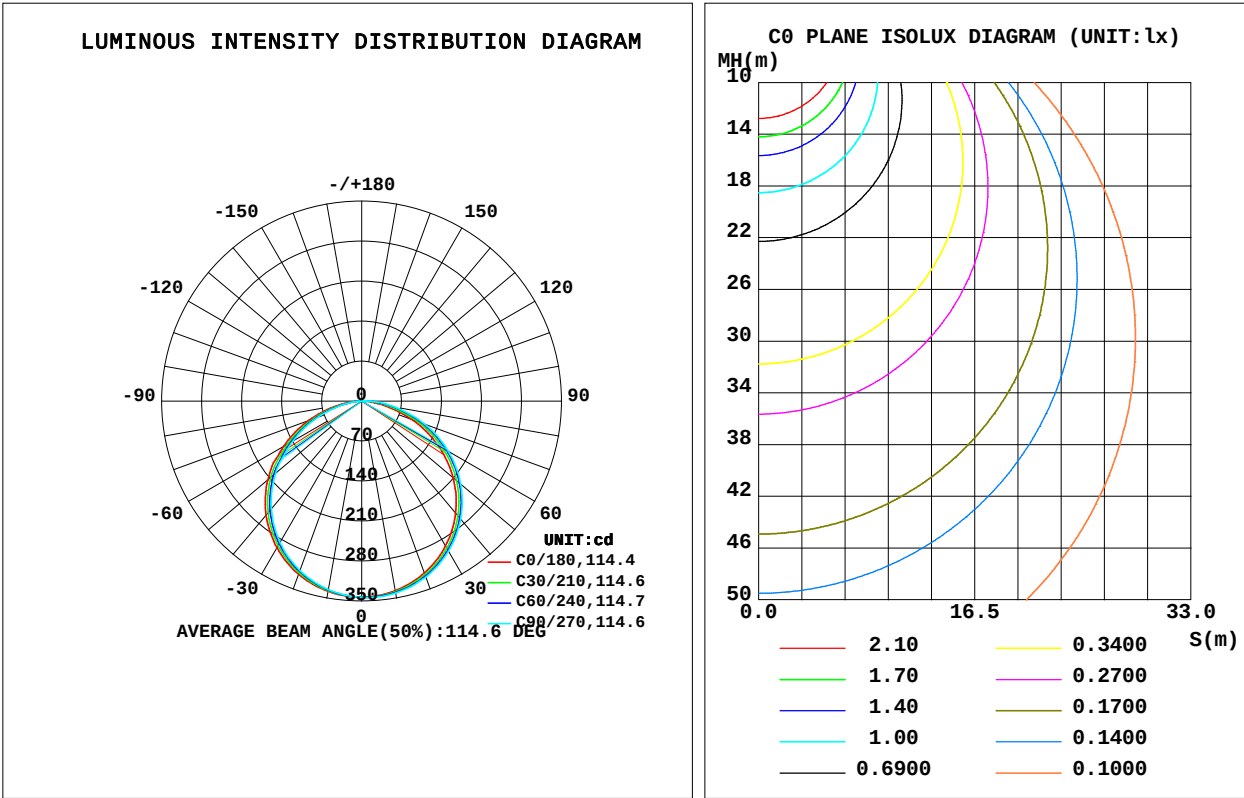


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm					
NAME: HCP-3125964		TYPE:		WEIGHT:	
SPEC.:2216-24V-240D-4MM 4000K 9.6W		DIM.:		SERIAL No.:	
MFR.: HAVIT LIGHTING		SUR.:1000*4mm		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.66 lm/W
MODEL	HCP-3125964	I _{max} (cd)	344.9	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	9.6	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1010.6	η UP, DN(C0-180)	0.2, 52.5	
NOMINAL FLUX(lm)	1010.62	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 47.3	
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	99.8	CIBSE SHR MAX	1.35	



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 G0-2000B_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	337.1	339.7	341.2	341.4	338.3	336.3	335.3	336.3	0- 10	32.56	32.56	3.22,3.22
20	320.5	325.2	327.8	327.7	322.7	318.5	315.9	317.5	10- 20	93.62	126.2	12.5,12.5
30	293.3	300.4	303.8	303.3	296.7	289.9	286.0	287.9	20- 30	142.9	269.1	26.6,26.6
40	256.0	265.5	269.8	268.7	260.6	251.5	246.1	248.4	30- 40	174.0	443.0	43.8,43.8
50	209.2	221.2	226.4	224.7	214.8	203.5	197.2	199.6	40- 50	182.3	625.3	61.9,61.9
60	153.8	165.5	174.9	169.1	157.5	147.3	139.0	143.2	50- 60	165.4	790.7	78.2,78.2
70	92.02	107.6	116.8	111.2	97.89	85.11	80.55	81.60	60- 70	125.6	916.4	90.7,90.7
80	34.12	49.77	56.66	52.65	40.14	30.58	27.45	28.60	70- 80	71.14	987.5	97.7,97.7
90	0	8.328	13.93	10.06	0.2298	0.5170	0.3861	0.1833	80- 90	20.96	1008	99.8,99.8
100	0	0	3.277	0.6237	0	0	0	0	90-100	2.013	1010	100,100
110	0	0	0	0	0	0	0	0	100-110	0.1492	1011	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1011	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1011	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1011	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1011	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1011	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1011	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1011	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 534.66 lm

%lum = 52.9%
%lamp = 52.9%

Conical surface Flux(120deg): 790.75 lm

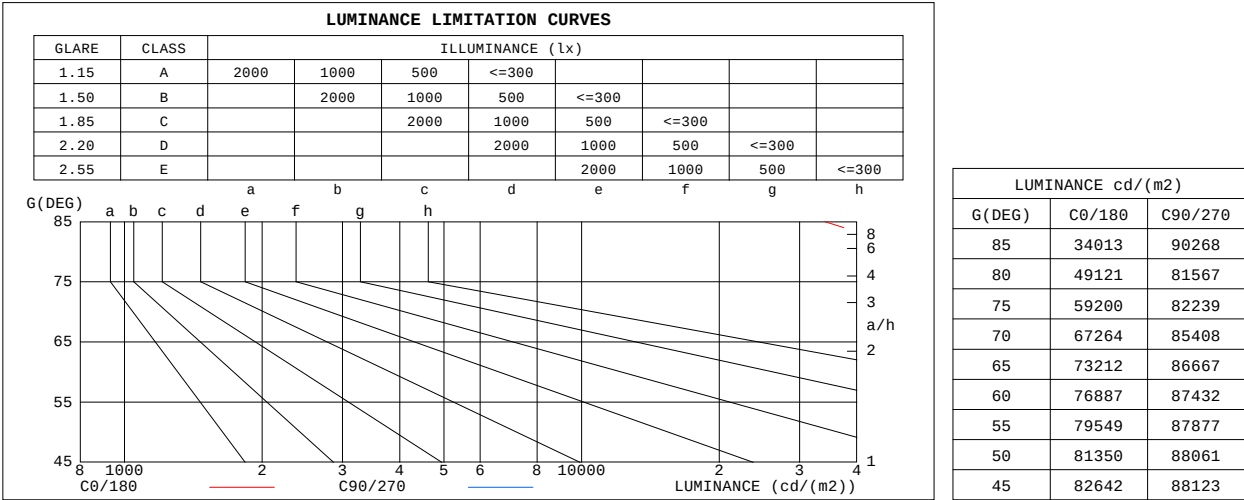
%lum = 78.2%
%lamp = 78.2%

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 G0-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



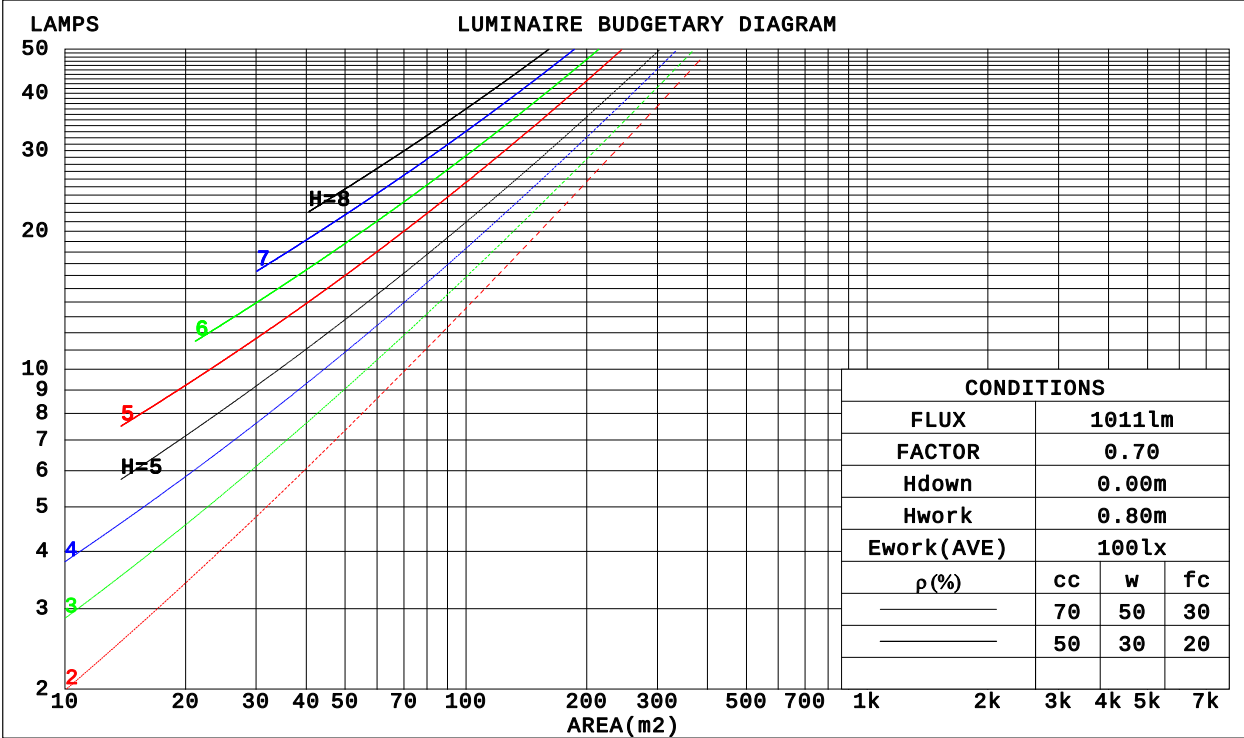
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	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	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.29	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm					
NAME: HCP-3125964			TYPE:		WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W			DIM.:		SERIAL No.:
MFR.: HAVIT LIGHTING			SUR.:1000*4mm		Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.313	.178	.056	.306	.174	.055	.292	.168	.054	.280	.162	.052	.269	.156	.050		
2.0	.294	.161	.049	.288	.158	.049	.276	.153	.048	.265	.149	.046	.255	.144	.045		
3.0	.272	.145	.043	.266	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.251	.130	.038	.246	.129	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.197	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.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		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.158	.136	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.134	.099	.149	.115	.086	.102	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.116	.076	.143	.100	.066	.098	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.136	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.082	.047	.021	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.108	.058	.023	.075	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm											
NAME: HCP-3125964					TYPE:			WEIGHT:			
SPEC.:2216-24V-240D-4MM 4000K 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	2H	28.2	29.8	28.5	30.0	30.2	28.7	30.2	29.0	30.4	30.6
	3H	29.7	31.1	30.0	31.3	31.6	30.4	31.8	30.7	32.1	32.3
	4H	30.2	31.6	30.5	31.8	32.1	31.2	32.5	31.5	32.8	33.0
	6H	30.5	31.8	30.9	32.1	32.4	31.8	33.0	32.1	33.3	33.6
	8H	30.6	31.9	31.0	32.1	32.4	32.0	33.2	32.3	33.5	33.8
	12H	30.7	31.8	31.0	32.1	32.4	32.2	33.4	32.5	33.7	34.0
4H	2H	28.9	30.3	29.3	30.5	30.8	29.3	30.6	29.6	30.9	31.2
	3H	30.6	31.8	30.9	32.1	32.4	31.2	32.4	31.6	32.7	33.0
	4H	31.3	32.3	31.6	32.7	33.0	32.1	33.2	32.5	33.5	33.8
	6H	31.7	32.7	32.1	33.0	33.4	32.8	33.8	33.2	34.2	34.5
	8H	31.8	32.7	32.3	33.1	33.5	33.2	34.0	33.6	34.4	34.8
	12H	31.9	32.7	32.3	33.1	33.5	33.4	34.2	33.9	34.6	35.0
8H	4H	31.6	32.5	32.0	32.9	33.3	32.4	33.2	32.8	33.6	34.0
	6H	32.3	33.0	32.7	33.4	33.8	33.3	34.0	33.7	34.4	34.9
	8H	32.5	33.1	32.9	33.6	34.0	33.7	34.4	34.2	34.8	35.2
	12H	32.6	33.2	33.1	33.6	34.1	34.1	34.7	34.6	35.1	35.6
12H	4H	31.7	32.5	32.1	32.9	33.3	32.4	33.2	32.8	33.6	34.0
	6H	32.4	33.0	32.8	33.4	33.9	33.3	34.0	33.8	34.4	34.9
	8H	32.6	33.2	33.1	33.7	34.1	33.8	34.4	34.3	34.8	35.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3					

CIE Pub.117, 1011 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.0$)
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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

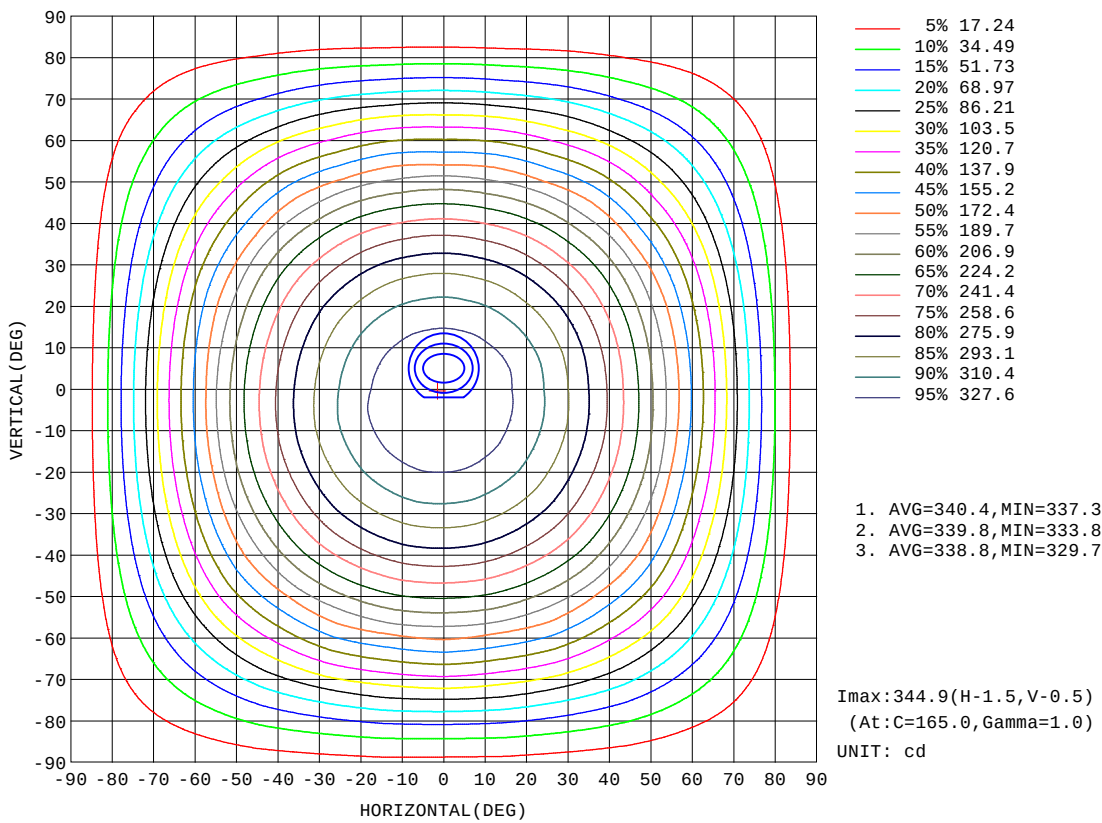
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



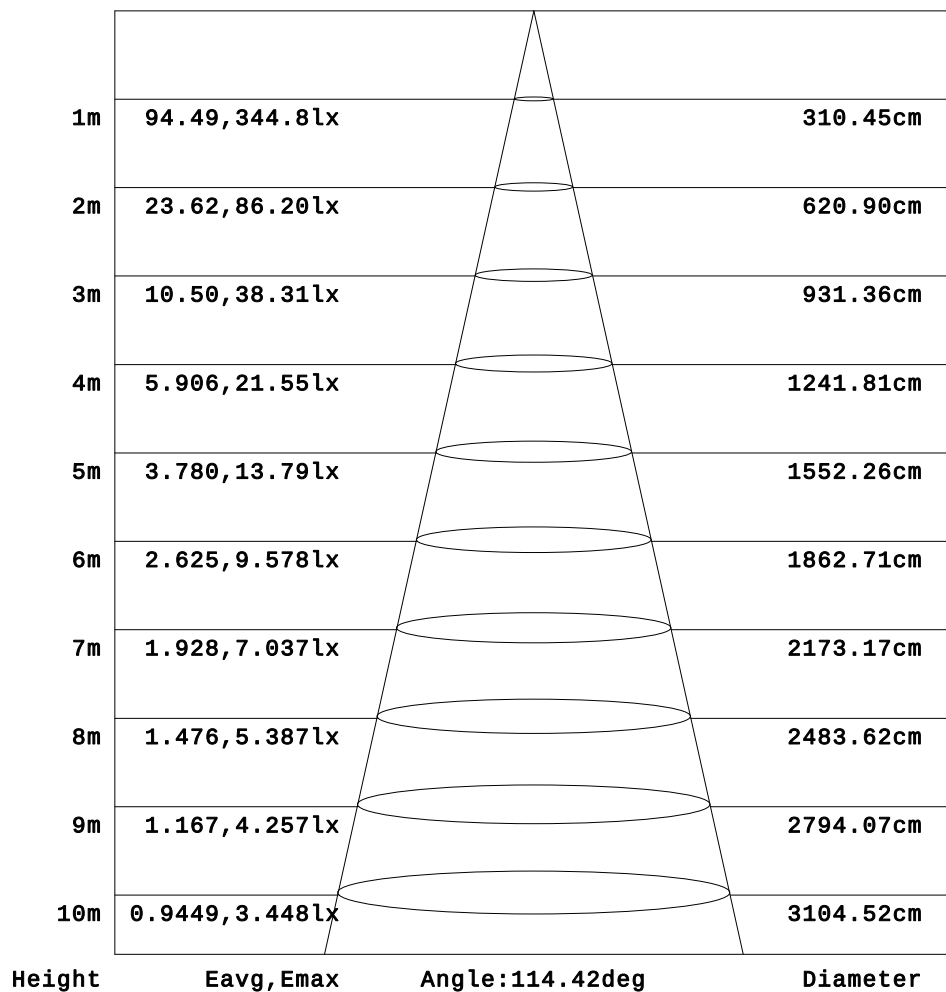
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

AAI Figure

Test:U:23.998V I:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:760.3 lm



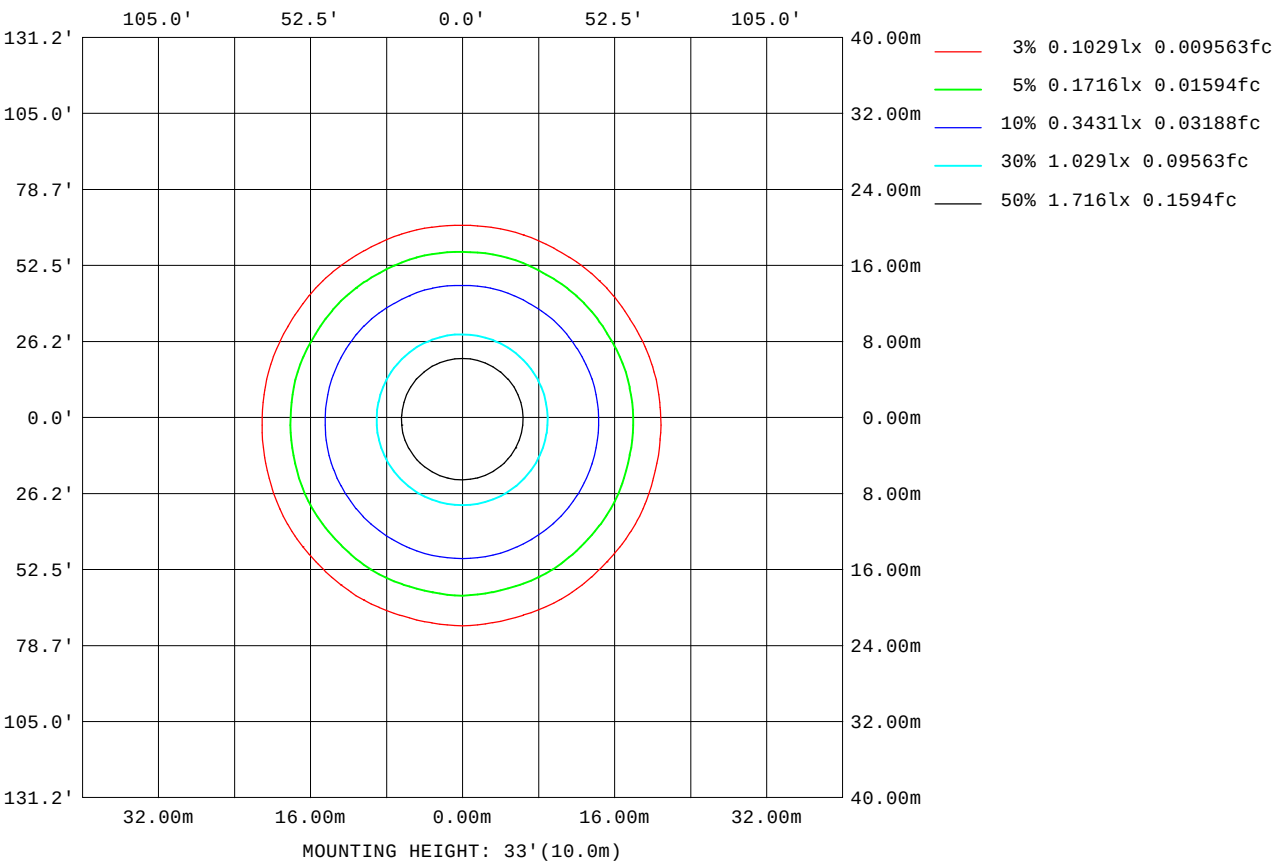
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 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 G0-2000B_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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

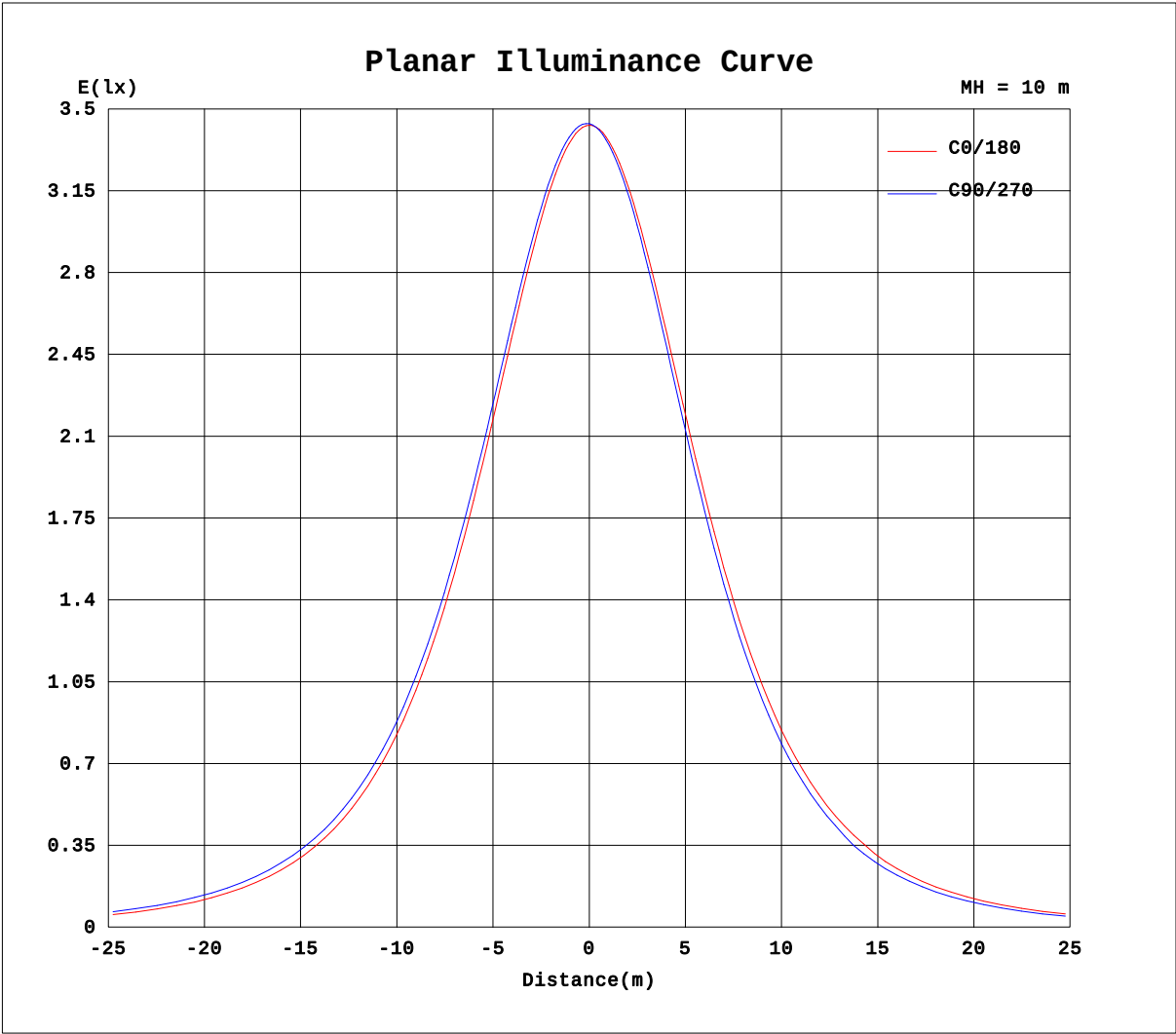
AvgL	cd/m2
L_0~180(65)av	74517
L_0~180(75)av	62443
L_0~180(85)av	40571
L_90~270(65)av	75832
L_90~270(75)av	66436
L_90~270(85)av	57833
L_45(65)av	75158
L_45(75)av	64829
L_45(85)av	52840

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 G0-2000B_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 G0-2000B_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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	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	343	343	343	343	344	344	344	344	344	344	345	345	343	343	343	343	344	344	344
5	341	342	342	343	343	344	344	344	344	344	344	344	342	342	342	341	341	341	341
10	337	338	339	340	340	341	341	342	341	341	341	341	338	338	337	336	336	335	335
15	330	331	332	334	335	335	336	336	336	336	335	335	332	331	330	329	328	327	327
20	320	322	323	325	326	327	328	328	328	328	327	326	323	321	320	318	317	316	316
25	308	310	312	314	315	317	317	318	317	317	315	314	311	309	308	306	304	303	302
30	293	296	298	300	302	303	304	304	304	303	302	300	297	294	293	290	288	286	286
35	276	279	281	284	286	287	288	289	288	287	285	284	280	277	275	272	270	268	267
40	256	259	262	265	267	269	270	270	269	269	266	264	261	257	255	251	249	247	246
45	234	238	241	244	246	249	249	250	249	248	245	243	239	235	233	229	226	223	223
50	209	214	217	221	223	226	226	227	226	225	222	219	215	211	208	203	201	198	197
55	183	188	191	196	198	201	202	202	201	200	196	193	189	184	179	176	171	171	167
60	154	156	164	166	171	171	175	172	174	169	168	162	158	155	149	147	142	142	139
65	124	127	134	137	143	143	147	144	145	141	139	133	128	125	120	117	113	112	110
70	92.0	96.7	104	108	113	114	117	115	115	111	108	103	97.9	93.6	89.4	85.1	83.3	80.9	80.5
75	61.3	66.6	72.0	77.8	81.2	84.6	85.1	85.6	83.2	81.1	76.2	72.2	68.0	63.0	59.9	56.2	54.8	52.6	52.4
80	34.1	39.3	44.2	49.8	52.9	56.1	56.7	57.0	54.8	52.7	48.0	44.0	40.1	35.8	33.5	30.6	29.6	27.6	27.5
85	11.9	16.2	20.6	25.5	28.5	31.1	31.5	31.8	30.0	27.9	23.7	19.9	16.4	13.3	12.2	10.8	10.3	9.17	8.85
90	0.00	1.14	4.56	8.33	11.1	13.4	13.9	13.9	12.2	10.1	6.56	3.24	0.23	0.05	0.48	0.52	0.60	0.46	0.39
95	0.00	0.00	0.01	2.69	5.11	6.70	7.33	6.98	5.78	3.86	1.02	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	1.49	2.73	3.28	2.91	1.98	0.62	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	0.64	0.35	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:0.4402A P:10.564W PF:1.0000 Freq:0Hz Lamp Flux:1010.62x1 lm		
NAME: HCP-3125964	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Table--2										UNIT: cd									
C(DEG) γ (DEG)	285	300	315	330	345														
0	344	344	344	345	345														
5	341	341	342	342	343														
10	335	336	336	337	338														
15	327	328	328	330	331														
20	316	317	318	319	321														
25	302	303	304	306	308														
30	286	287	288	290	293														
35	267	268	269	272	275														
40	246	247	248	252	254														
45	222	224	225	229	232														
50	196	198	200	203	207														
55	169	168	172	173	179														
60	141	140	143	145	150														
65	111	110	113	115	120														
70	79.7	81.0	81.6	84.7	87.5														
75	51.6	52.9	53.4	56.0	58.3														
80	26.9	28.2	28.6	30.7	32.0														
85	8.67	9.44	9.47	10.5	10.9														
90	0.34	0.37	0.18	0.07	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: