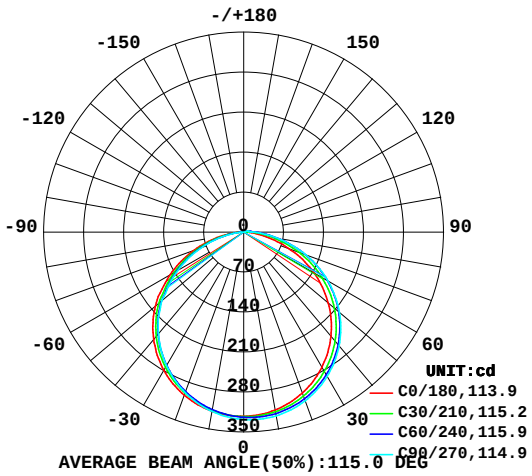
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

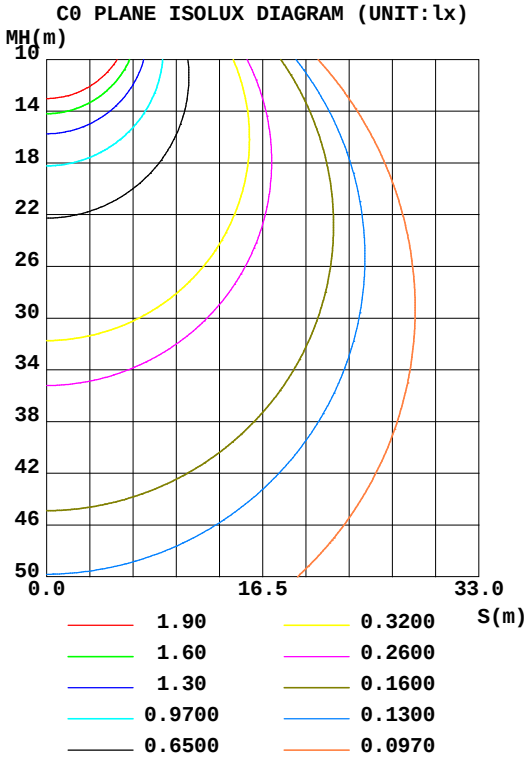
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 94.64 lm/W	
MODEL	HCP-3125963	Imax(cd)	333.5	S/MH(C0/180)	1.29
NOMINAL POWER(W)	9.6	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	968.98	η UP,DN(C0-180)	0.6,52.6
NOMINAL FLUX(lm)	968.983	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,46.8
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):115.0 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	316.4	321.1	326.5	328.8	318.5	315.7	319.0	324.0	0- 10	31.00	31.00	3.2,3.2
20	300.0	308.6	314.5	315.3	304.0	298.1	299.3	305.7	10- 20	89.11	120.1	12.4,12.4
30	273.6	286.2	292.1	291.2	279.5	271.0	270.1	276.8	20- 30	136.0	256.1	26.4,26.4
40	237.9	254.3	260.0	257.4	245.4	234.9	232.6	238.5	30- 40	165.5	421.5	43.5,43.5
50	193.6	213.7	218.9	214.5	202.2	190.4	187.2	191.4	40- 50	173.5	595.0	61.4,61.4
60	141.8	162.3	170.0	160.6	148.2	138.6	132.4	137.4	50- 60	157.5	752.6	77.7,77.7
70	83.63	108.9	115.1	104.7	92.27	80.84	77.39	78.63	60- 70	120.4	873.0	90.1,90.1
80	31.09	55.34	57.81	48.60	38.02	29.93	26.33	27.63	70- 80	69.10	942.1	97.2,97.2
90	0	16.75	17.61	8.304	0.3044	0.3570	0.2477	0.0652	80- 90	21.39	963.5	99.4,99.4
100	0	8.413	8.875	1.492	0	0	0	0	90-100	3.688	967.2	99.8,99.8
110	0	0.4981	4.309	0	0	0	0	0	100-110	1.630	968.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0.1928	969.0	100,100
130	0	0	0	0	0	0	0	0	120-130	0	969.0	100,100
140	0	0	0	0	0	0	0	0	130-140	0	969.0	100,100
150	0	0	0	0	0	0	0	0	140-150	0	969.0	100,100
160	0	0	0	0	0	0	0	0	150-160	0	969.0	100,100
170	0	0	0	0	0	0	0	0	160-170	0	969.0	100,100
180	0	0	0	0	0	0	0	0	170-180	0	969.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 508.73 lm

%lum = 52.5%
%lamp = 52.5%

Conical surface Flux(120deg): 752.58 lm

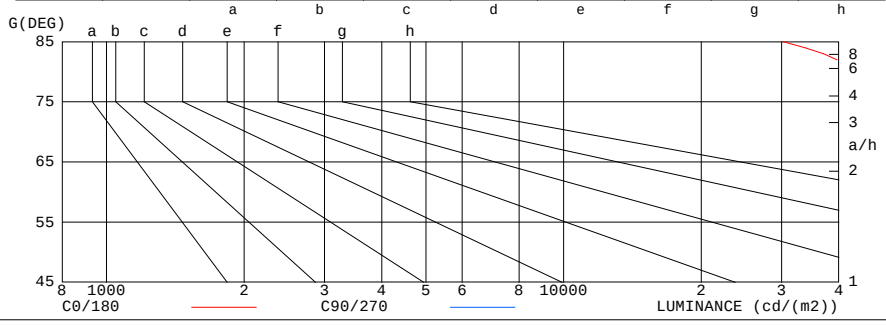
%lum = 77.7%
%lamp = 77.7%

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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	30118	97202
80	44758	83231
75	54212	81912
70	61126	84100
65	67361	84689
60	70884	85001
55	73437	85152
50	75278	85140
45	76644	85037

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:

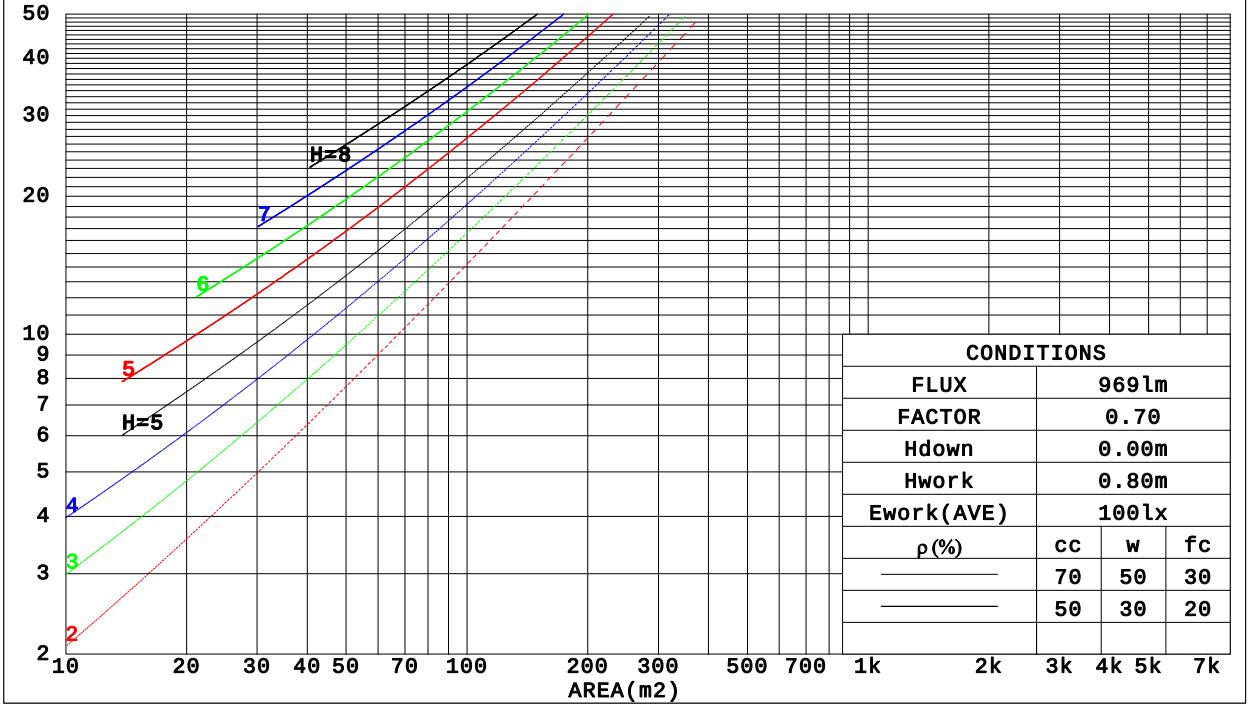
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.36	.30	.25	.23

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	969lm		
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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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	.315	.179	.057	.308	.175	.056	.294	.169	.054	.281	.162	.052	.270	.156	.050	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.265	.149	.047	.255	.144	.046	
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041	
4.0	.251	.130	.038	.246	.129	.038	.237	.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	.107	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.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	.195	.195	.195	.166	.166	.166	.114	.114	.114	.065	.065	.065	.021	.021	.021	
1.0	.185	.160	.138	.158	.138	.119	.108	.095	.082	.062	.055	.048	.020	.018	.015	
2.0	.177	.136	.102	.152	.117	.088	.104	.081	.062	.060	.047	.036	.019	.015	.012	
3.0	.169	.119	.078	.145	.102	.068	.100	.071	.048	.058	.042	.028	.018	.013	.009	
4.0	.162	.105	.062	.139	.091	.054	.095	.064	.038	.055	.037	.023	.018	.012	.007	
5.0	.154	.095	.051	.133	.082	.045	.091	.057	.032	.053	.034	.019	.017	.011	.006	
6.0	.147	.087	.043	.126	.075	.038	.087	.053	.027	.051	.031	.016	.016	.010	.005	
7.0	.140	.080	.038	.121	.069	.033	.083	.049	.023	.048	.029	.014	.016	.009	.005	
8.0	.134	.074	.033	.115	.064	.029	.080	.045	.020	.046	.027	.012	.015	.009	.004	
9.0	.128	.069	.030	.110	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.122	.065	.027	.105	.056	.023	.073	.040	.017	.043	.023	.010	.014	.008	.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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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	28.0	29.5	28.3	29.7	29.9	28.7	30.2	29.0	30.4	30.6
3H	29.4	30.8	29.7	31.1	31.3	30.5	31.9	30.8	32.1	32.4
4H	30.0	31.3	30.3	31.6	31.8	31.2	32.6	31.6	32.8	33.1
6H	30.3	31.6	30.6	31.8	32.1	31.9	33.2	32.2	33.4	33.7
8H	30.4	31.6	30.7	31.9	32.2	32.2	33.4	32.5	33.7	34.0
12H	30.4	31.6	30.8	31.9	32.2	32.4	33.6	32.8	33.9	34.2
4H 2H	28.8	30.1	29.1	30.4	30.6	29.3	30.6	29.6	30.9	31.2
3H	30.4	31.6	30.8	31.9	32.2	31.3	32.5	31.7	32.8	33.1
4H	31.1	32.2	31.5	32.5	32.9	32.2	33.3	32.6	33.6	34.0
6H	31.6	32.5	32.0	32.9	33.3	33.0	34.0	33.5	34.4	34.7
8H	31.7	32.6	32.1	33.0	33.4	33.4	34.3	33.8	34.7	35.1
12H	31.8	32.6	32.2	33.0	33.4	33.7	34.5	34.2	34.9	35.4
8H 4H	31.6	32.4	32.0	32.8	33.2	32.5	33.4	32.9	33.8	34.2
6H	32.2	33.0	32.7	33.4	33.8	33.6	34.3	34.0	34.7	35.2
8H	32.5	33.1	32.9	33.6	34.0	34.0	34.7	34.5	35.1	35.6
12H	32.6	33.2	33.1	33.6	34.1	34.5	35.1	35.0	35.6	36.0
12H 4H	31.6	32.4	32.1	32.8	33.3	32.5	33.4	33.0	33.8	34.2
6H	32.4	33.1	32.9	33.5	34.0	33.6	34.3	34.1	34.7	35.2
8H	32.7	33.3	33.2	33.7	34.2	34.2	34.8	34.7	35.2	35.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.1 / - 0.4				

CIE Pub.117, 969.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.1)
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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

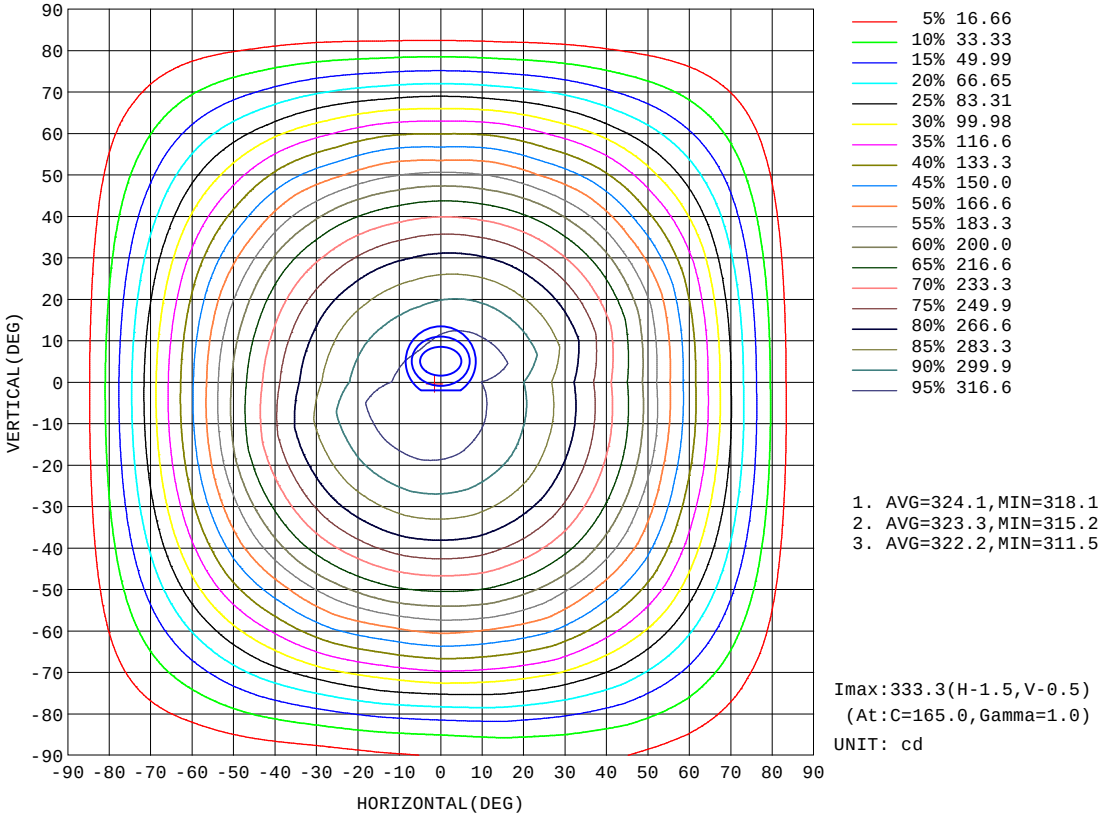
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	98	94	85
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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



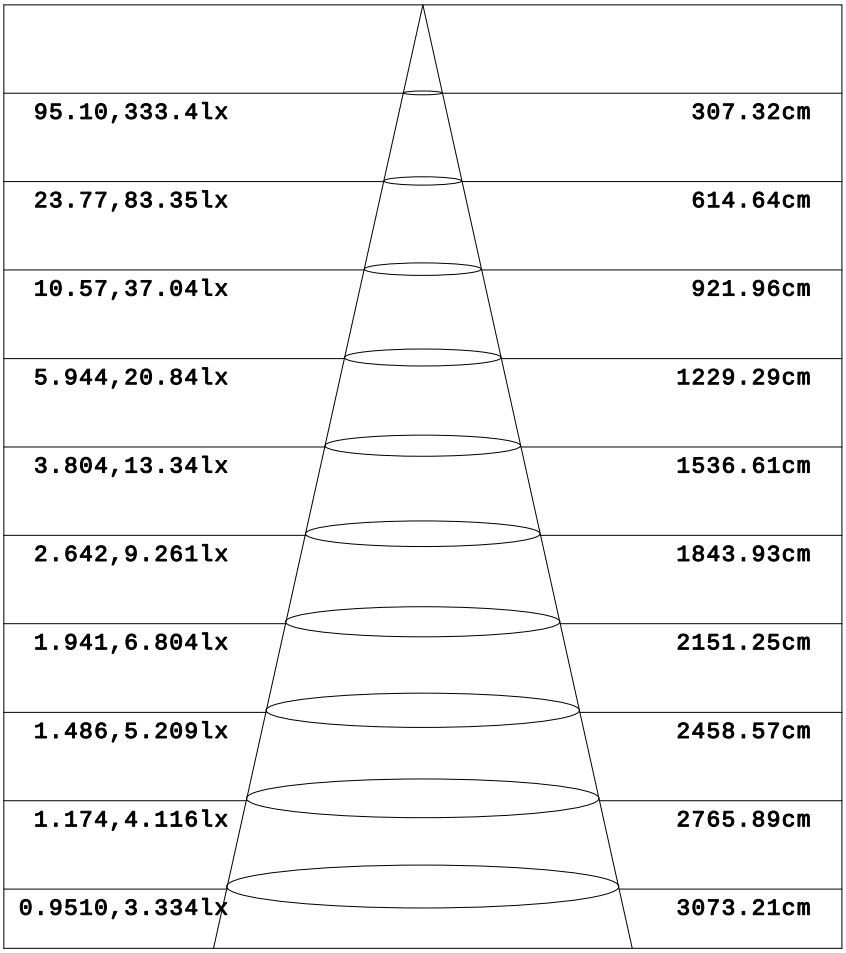
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:708.4 lm



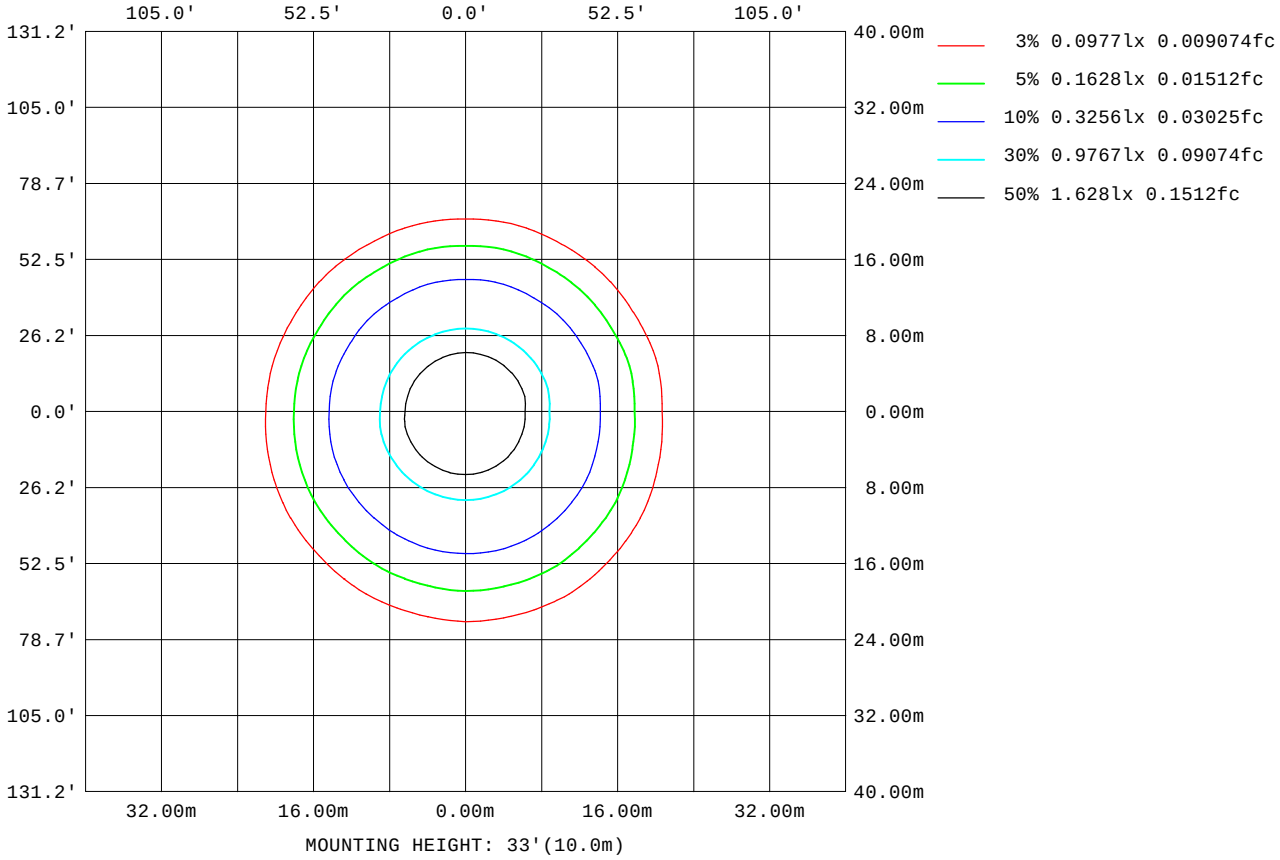
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 9.6W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

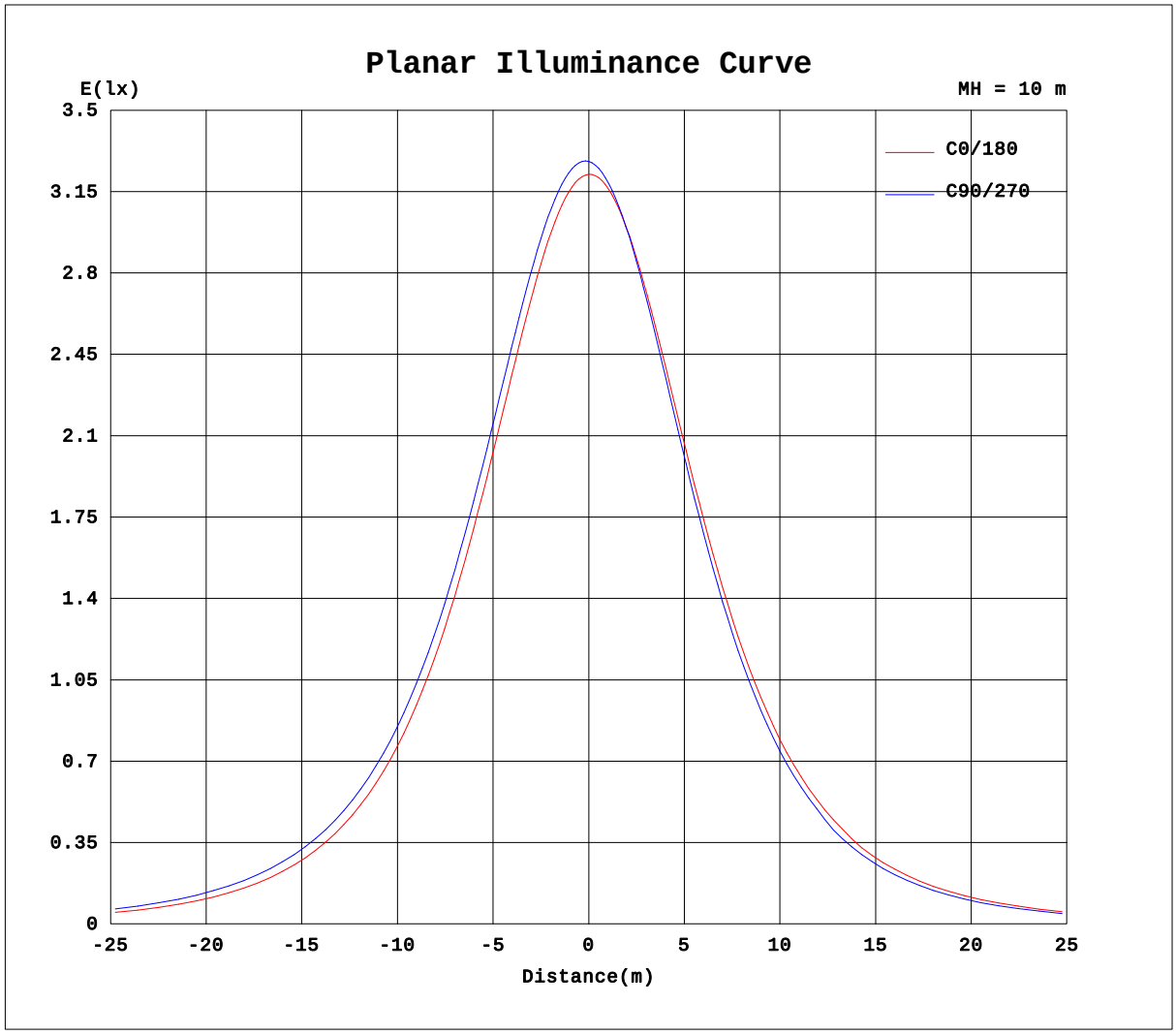
AvgL	cd/m2
L_0~180(65)av	69392
L_0~180(75)av	58106
L_0~180(85)av	37468
L_90~270(65)av	73414
L_90~270(75)av	65361
L_90~270(85)av	60237
L_45(65)av	72302
L_45(75)av	63410
L_45(85)av	55179

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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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	323	323	323	323	324	326	328	330	331	332	333	333	323	323	323	323	324	326	328
5	321	322	322	324	325	327	329	330	331	332	332	333	322	321	321	321	321	323	325
10	316	318	319	321	323	325	327	328	328	329	329	329	318	317	317	316	316	317	319
15	309	312	314	316	318	320	322	323	323	323	323	323	313	311	309	308	308	308	310
20	300	303	306	309	311	313	314	315	315	315	315	314	304	302	300	298	297	297	299
25	288	292	295	299	301	303	305	305	305	304	303	303	293	290	288	286	285	284	286
30	274	278	282	286	289	291	292	293	292	291	290	289	280	276	274	271	270	269	270
35	257	262	267	271	274	277	277	277	276	275	274	273	264	260	257	254	252	251	252
40	238	244	249	254	257	260	260	260	258	257	255	254	245	241	238	235	233	232	233
45	217	224	229	235	238	241	241	240	238	237	235	233	225	220	217	214	212	210	211
50	194	201	207	214	217	220	219	218	216	215	212	210	202	197	194	190	189	186	187
55	168	173	184	190	194	197	195	195	192	190	187	183	174	172	166	165	160	161	159
60	142	148	158	162	169	168	170	166	166	161	160	154	148	146	140	139	134	134	132
65	114	121	131	136	143	142	143	139	138	133	131	126	121	117	113	111	107	107	105
70	83.6	92.6	103	109	115	115	115	111	109	105	102	97.3	92.3	87.2	84.5	80.8	79.4	77.4	77.4
75	56.1	64.9	73.3	81.3	85.4	87.5	84.8	82.8	78.6	75.8	71.0	68.0	64.2	59.5	57.2	54.0	52.7	50.6	50.5
80	31.1	39.0	47.7	55.3	59.1	60.7	57.8	55.6	51.4	48.6	44.1	41.1	38.0	34.0	32.4	29.9	28.7	26.6	26.3
85	10.5	16.5	25.6	32.7	36.2	37.2	33.9	31.5	27.7	25.1	20.8	18.0	15.6	12.7	12.0	10.5	9.86	8.52	8.11
90	0.00	1.31	10.4	16.8	20.2	20.7	17.6	14.9	11.2	8.30	4.70	2.18	0.30	0.01	0.37	0.36	0.43	0.30	0.25
95	0.00	0.00	5.82	11.2	14.3	14.6	11.9	9.27	6.16	3.52	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	3.57	8.41	11.0	11.2	8.88	6.54	3.71	1.49	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	5.25	8.81	9.12	7.01	4.87	2.22	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	0.50	4.05	5.92	4.31	2.25	0.03	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	0.38	1.30	0.54	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:0.4266A P:10.238W PF:1.0000 Freq:0Hz Lamp Flux:968.983x1 lm		
NAME: HCP-3125963	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 3000K 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	330	331	332	333	333
5	327	328	329	330	332
10	321	323	324	326	327
15	313	314	316	318	320
20	302	304	306	308	310
25	288	290	293	295	298
30	272	274	277	280	283
35	254	256	259	262	265
40	234	236	238	242	246
45	211	213	216	220	224
50	187	189	191	196	199
55	162	161	165	166	173
60	135	134	137	139	145
65	107	106	109	110	116
70	76.9	78.1	78.6	81.2	84.5
75	50.0	51.1	51.5	53.8	56.1
80	26.0	27.2	27.6	29.5	30.7
85	7.80	8.47	8.71	9.86	10.4
90	0.19	0.24	0.07	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: