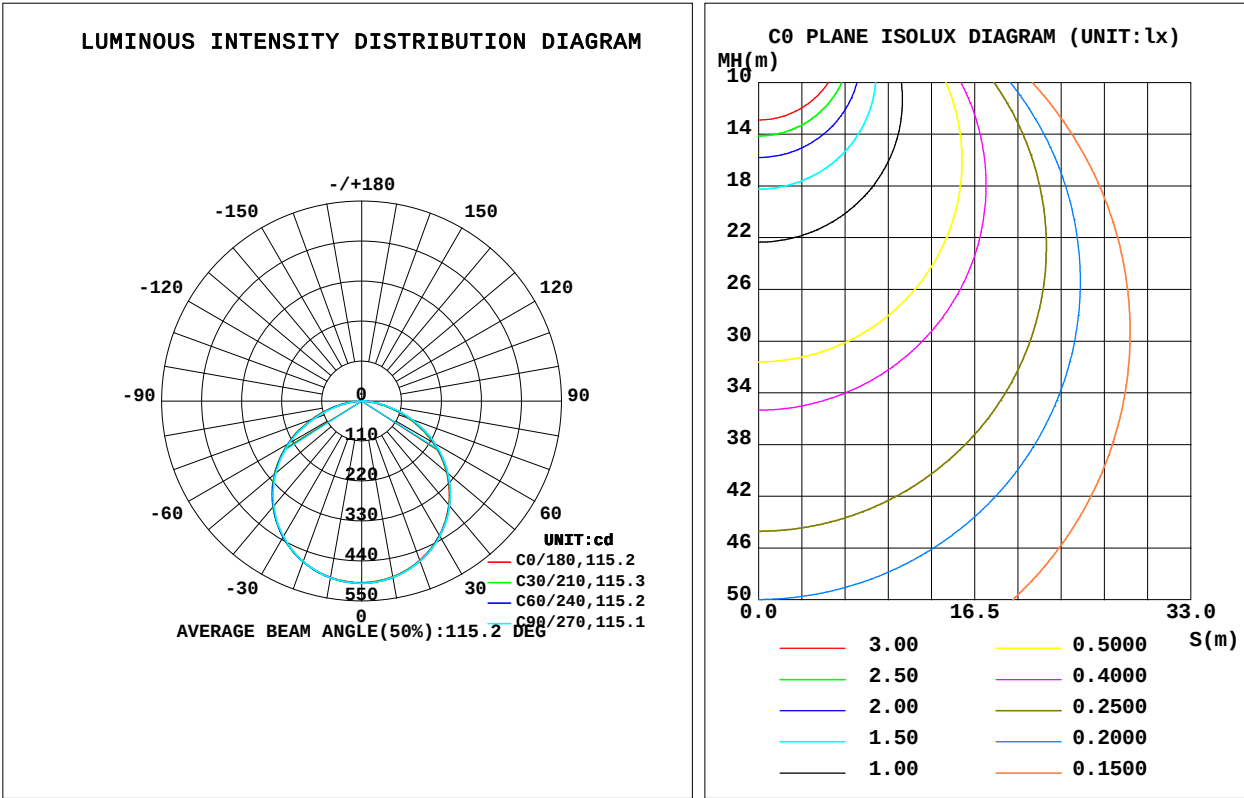


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 93.40 lm/W
MODEL	HCP-3125144	I _{max} (cd)	502.1	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	14.4	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1467.7	η UP, DN(C0-180)	0.0,50.2	
NOMINAL FLUX(lm)	1467.69	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,49.8	
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	



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	491.0	492.3	492.7	494.2	492.6	493.5	493.5	493.5	0- 10	47.45	47.45	3.23,3.23
20	466.8	468.3	468.8	471.0	470.1	470.6	469.9	469.6	10- 20	136.5	183.9	12.5,12.5
30	427.3	429.2	429.7	432.7	432.3	431.9	430.8	430.1	20- 30	208.4	392.3	26.7,26.7
40	373.1	375.7	376.2	380.0	379.8	378.4	376.8	375.8	30- 40	253.8	646.1	44,44
50	305.2	308.7	309.8	313.4	313.3	311.0	308.8	307.6	40- 50	266.1	912.2	62.2,62.2
60	225.1	230.2	232.1	235.3	234.4	230.9	228.8	227.0	50- 60	242.6	1155	78.7,78.7
70	136.4	140.3	145.7	145.5	143.5	141.9	136.9	137.5	60- 70	184.3	1339	91.2,91.2
80	50.80	56.56	58.23	60.96	59.26	54.81	51.15	51.03	70- 80	102.4	1441	98.2,98.2
90	0.0042	2.234	2.643	3.301	0.8327	1.373	0.8213	0.8219	80- 90	26.03	1467	100,100
100	0	0	0	0	0	0	0	0	90-100	0.2069	1468	100,100
110	0	0	0	0	0	0	0	0	100-110	0	1468	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1468	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1468	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1468	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1468	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1468	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1468	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1468	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 779.85 lm

%lum = 53.1%
%lamp = 53.1%

Conical surface Flux(120deg): 1154.8 lm

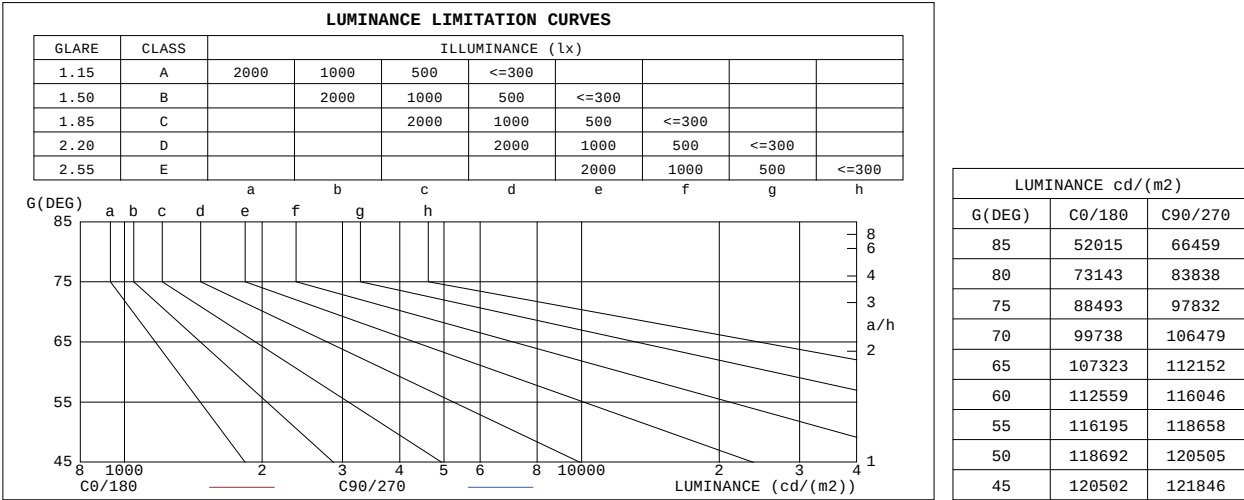
%lum = 78.7%
%lamp = 78.7%

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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



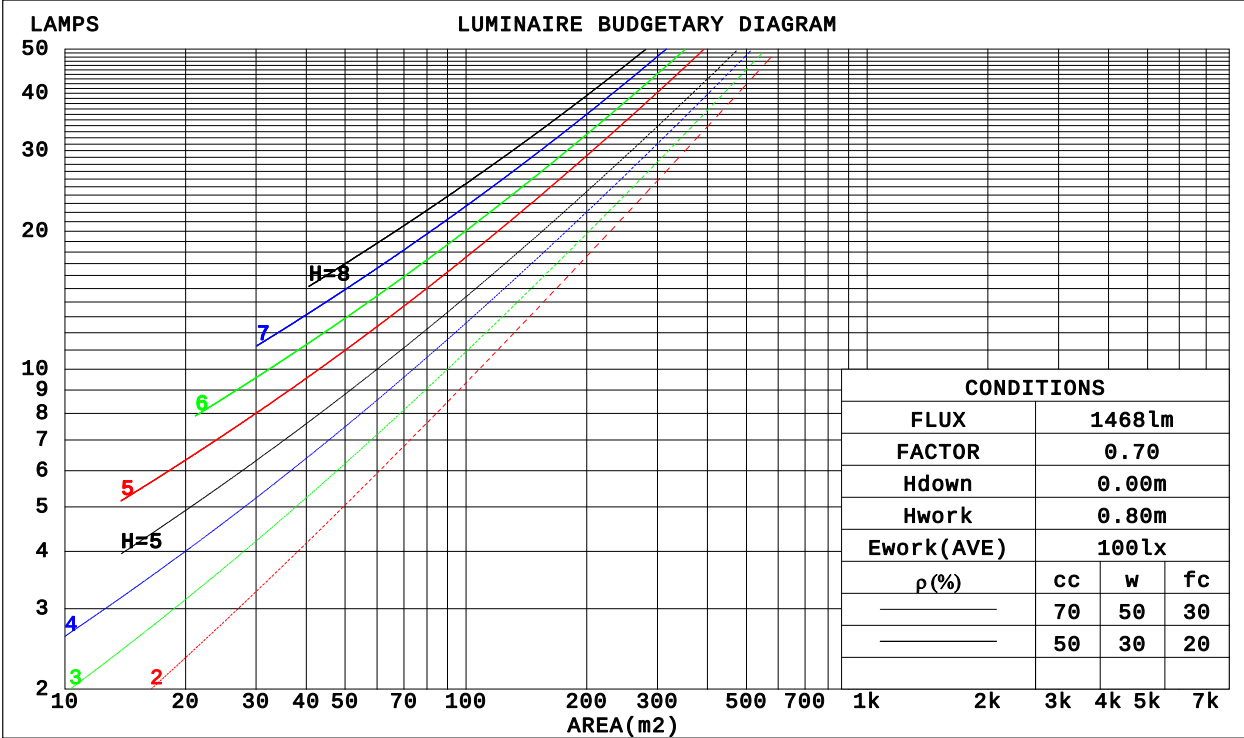
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE 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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	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	.90	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.88	.86	.84
2.0	.90	.83	.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	.60	.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	.46	.59	.52	.46	.57	.51	.45	.55	.50	.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	.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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	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	.310	.176	.056	.303	.173	.055	.289	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.158	.049	.274	.153	.047	.264	.148	.046	.254	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.041	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.220	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.214	.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	.178	.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	.153	.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	.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	.011	.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	.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	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.101	.053	.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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm											
NAME: HCP-3125144						TYPE:		WEIGHT:			
SPEC.:2216-24V-240D-4MM 4000K 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	2H	29.4	31.0	29.7	31.2	31.4	29.5	31.1	29.8	31.3	31.5
	3H	30.9	32.3	31.2	32.5	32.8	31.1	32.5	31.4	32.7	33.0
	4H	31.4	32.8	31.7	33.0	33.3	31.7	33.0	32.0	33.3	33.5
	6H	31.8	33.0	32.1	33.3	33.6	32.1	33.3	32.4	33.6	33.9
	8H	31.8	33.1	32.2	33.3	33.6	32.2	33.4	32.5	33.7	34.0
	12H	31.9	33.0	32.2	33.3	33.6	32.2	33.4	32.6	33.7	34.0
4H	2H	30.1	31.4	30.4	31.7	31.9	30.1	31.5	30.4	31.7	32.0
	3H	31.7	32.9	32.0	33.2	33.5	31.8	33.0	32.2	33.3	33.6
	4H	32.3	33.4	32.7	33.7	34.1	32.6	33.6	32.9	34.0	34.3
	6H	32.8	33.8	33.2	34.1	34.5	33.1	34.0	33.5	34.4	34.8
	8H	32.9	33.8	33.3	34.2	34.6	33.3	34.1	33.7	34.5	34.9
	12H	33.0	33.8	33.4	34.2	34.6	33.4	34.2	33.8	34.6	35.0
8H	4H	32.6	33.5	33.0	33.9	34.2	32.8	33.7	33.2	34.1	34.4
	6H	33.2	33.9	33.6	34.3	34.8	33.5	34.2	33.9	34.6	35.0
	8H	33.4	34.1	33.9	34.5	34.9	33.7	34.4	34.2	34.8	35.2
	12H	33.5	34.1	34.0	34.5	35.0	33.9	34.4	34.4	34.9	35.4
12H	4H	32.6	33.4	33.0	33.8	34.2	32.8	33.6	33.2	34.0	34.4
	6H	33.2	33.9	33.7	34.3	34.8	33.5	34.2	34.0	34.6	35.0
	8H	33.5	34.1	34.0	34.5	35.0	33.8	34.3	34.3	34.8	35.3
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, 1468 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.3$)
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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

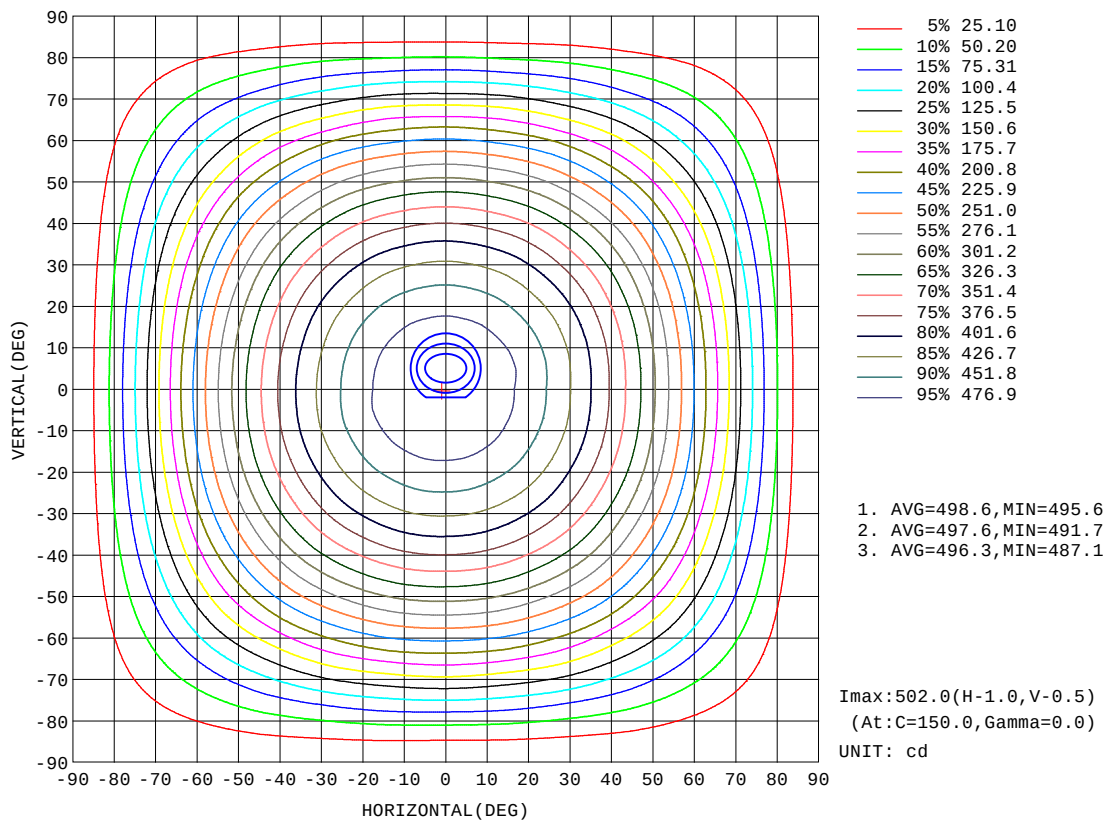
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	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	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	106	100	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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

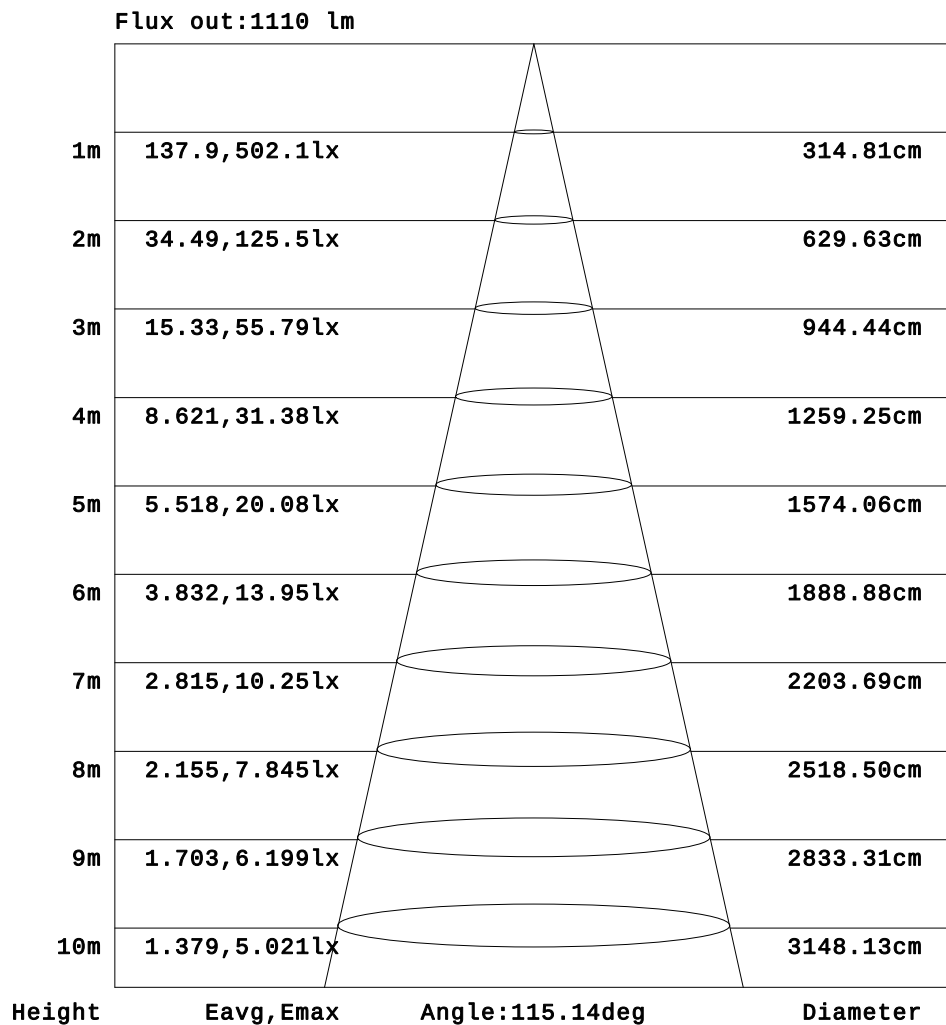


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE 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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



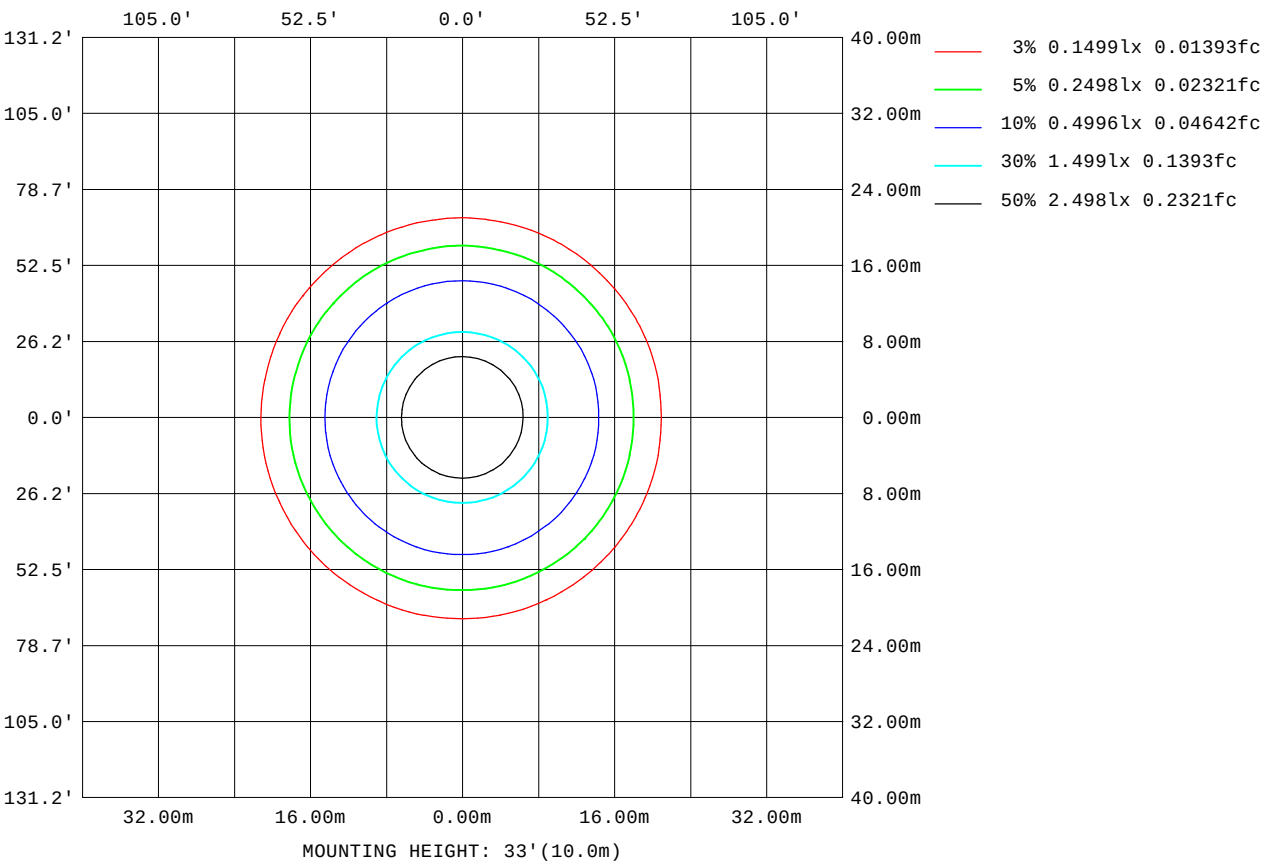
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 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 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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

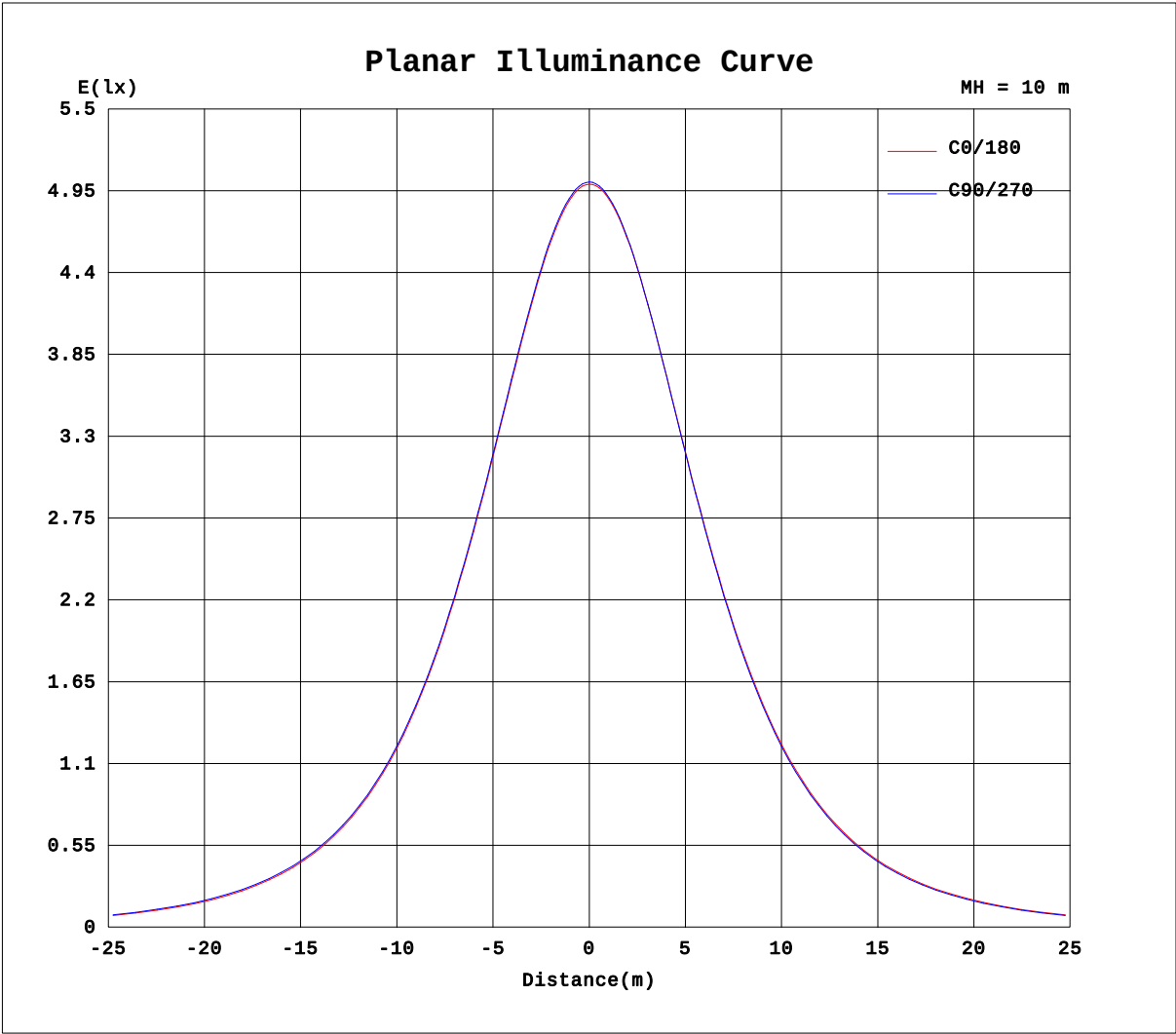
AvgL	cd/m2
L_0~180(65)av	110233
L_0~180(75)av	92509
L_0~180(85)av	61400
L_90~270(65)av	110308
L_90~270(75)av	93647
L_90~270(85)av	58626
L_45(65)av	110663
L_45(75)av	93507
L_45(85)av	63963

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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	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	500	500	500	501	501	501	501	501	502	502	502	502	500	500	500	501	501	501	501
5	497	498	498	499	499	499	499	499	500	500	500	500	498	498	499	499	499	499	499
10	491	492	492	492	492	493	493	493	494	494	495	495	493	493	493	493	494	493	493
15	481	481	482	482	482	483	483	483	484	485	485	485	483	484	484	484	484	484	484
20	467	468	468	468	468	469	469	470	470	471	471	472	470	470	471	471	471	470	470
25	449	450	450	451	451	451	451	452	453	454	454	455	453	453	454	453	453	452	452
30	427	428	428	429	429	430	430	431	431	433	433	434	432	432	433	432	432	431	431
35	402	403	403	404	404	405	405	406	406	408	408	409	408	407	408	407	407	406	406
40	373	374	374	376	375	376	376	378	378	380	380	381	380	379	380	378	378	377	377
45	341	342	342	344	344	345	345	346	347	348	348	349	348	347	348	346	346	345	344
50	305	307	307	309	309	310	310	312	312	313	313	314	313	312	313	311	311	309	309
55	267	268	269	271	271	272	272	274	274	276	275	276	275	274	274	272	272	270	270
60	225	227	228	230	230	232	232	234	234	235	235	235	234	233	233	231	231	229	229
65	181	182	185	186	188	190	190	192	191	193	191	192	191	189	190	187	186	185	183
70	136	137	140	140	143	143	146	145	147	146	147	144	143	144	141	142	139	139	137
75	91.6	93.0	95.6	96.6	99.1	99.4	101	101	103	102	102	100.0	99.9	99.6	97.5	97.0	94.9	93.7	92.6
80	50.8	53.2	54.4	56.6	56.6	58.4	58.2	60.0	59.6	61.0	59.7	59.3	59.3	57.2	57.2	54.8	54.0	51.4	51.1
85	18.1	20.5	21.5	23.2	23.0	23.8	23.2	25.0	25.3	26.4	25.5	25.0	24.7	23.2	23.1	21.2	20.5	18.4	17.7
90	0.00	0.48	1.53	2.23	2.35	2.78	2.64	3.19	3.08	3.30	2.81	1.99	0.83	1.05	1.72	1.37	1.31	0.96	0.82
95	0.00	0.00	0.00	0.00	0.05	0.24	0.21	0.25	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.06	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:0.6548A P:15.715W PF:1.0000 Freq:0Hz Lamp Flux:1467.69x1 lm		
NAME: HCP-3125144	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 14.4W	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	501	502	502	502	502														
5	499	500	500	500	500														
10	493	494	494	494	494														
15	483	484	484	484	484														
20	470	470	470	470	470														
25	452	452	452	452	452														
30	430	431	430	431	430														
35	405	405	405	406	405														
40	376	376	376	377	376														
45	343	344	343	344	344														
50	308	308	308	309	308														
55	269	270	269	270	269														
60	227	228	227	228	227														
65	183	183	183	183	183														
70	138	136	137	136	138														
75	92.1	91.9	91.9	92.3	92.9														
80	49.9	51.3	51.0	52.6	52.0														
85	17.3	18.5	18.4	19.6	19.2														
90	0.80	0.94	0.82	0.81	0.04														
95	0.05	0.07	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 G0-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks: