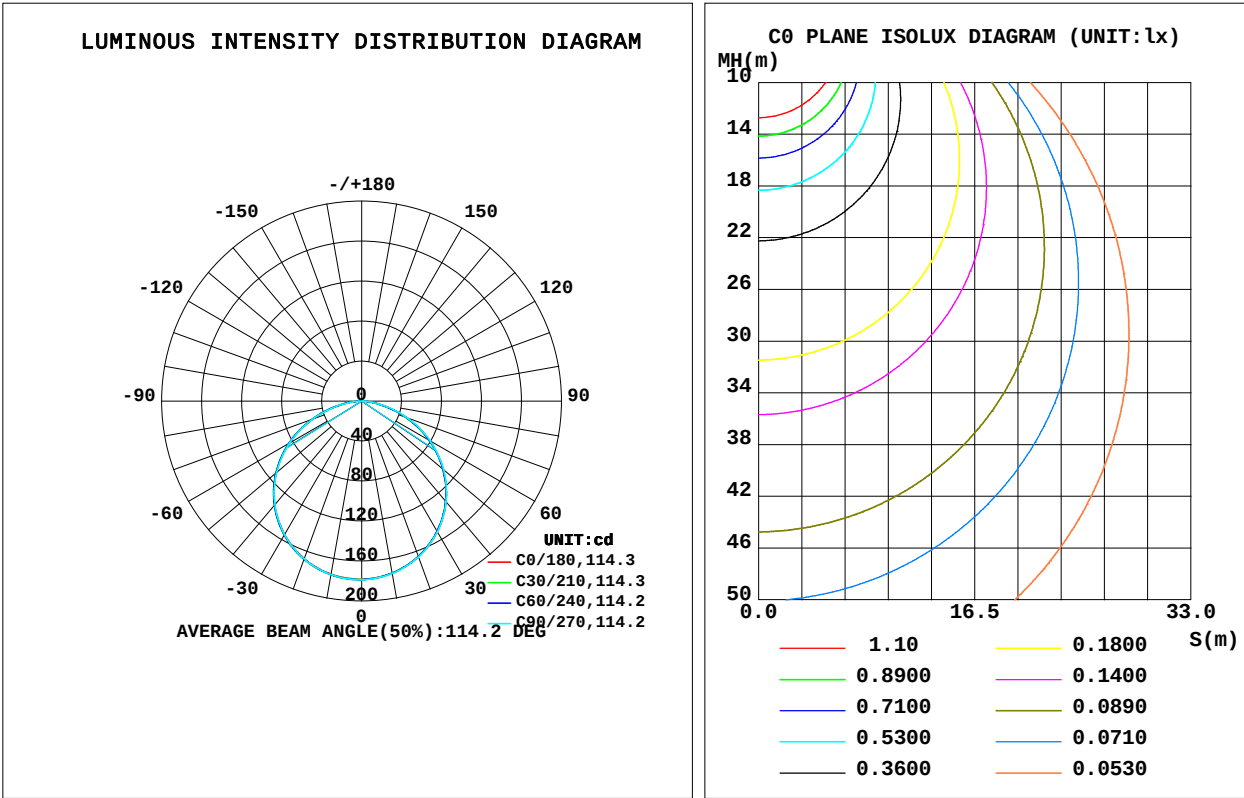


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm					
NAME: HCP-3125482		TYPE:		WEIGHT:	
SPEC.:2216-24V-240D-4MM 2700K 4.8W		DIM.:		SERIAL No.:	
MFR.: HAVIT LIGHTING		SUR.:1000*4mm		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.25 lm/W
MODEL	HCP-3125482	I _{max} (cd)	178.8	S/MH(C0/180)	1.29	
NOMINAL POWER(W)	4.8	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	517.25	η UP, DN(C0-180)	0.0,49.3	
NOMINAL FLUX(lm)	517.253	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.7	
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:2024-07-24

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	174.8	174.9	175.1	175.8	175.9	176.3	176.4	175.9	0- 10	16.91	16.91	3.27,3.27
20	165.7	165.6	165.9	167.1	167.9	168.4	168.2	167.3	10- 20	48.58	65.50	12.7,12.7
30	151.1	150.9	151.1	153.0	154.3	154.8	154.4	153.1	20- 30	74.06	139.6	27,27
40	131.3	131.0	131.3	133.6	135.4	135.8	135.3	133.7	30- 40	89.95	229.5	44.4,44.4
50	106.7	106.5	107.0	109.5	111.5	111.9	111.2	109.4	40- 50	94.01	323.5	62.5,62.5
60	77.93	77.95	78.74	81.37	83.29	83.46	82.92	80.74	50- 60	85.30	408.8	79,79
70	46.30	46.72	47.73	50.23	51.85	51.89	51.31	49.09	60- 70	64.59	473.4	91.5,91.5
80	16.32	16.91	17.44	19.78	21.17	20.92	20.00	18.57	70- 80	35.59	509.0	98.4,98.4
90	0	0	0.0006	0	0	0.0082	0	0.0021	80- 90	8.262	517.3	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0004	517.3	100,100
110	0	0	0	0	0	0	0	0	100-110	0	517.3	100,100
120	0	0	0	0	0	0	0	0	110-120	0	517.3	100,100
130	0	0	0	0	0	0	0	0	120-130	0	517.3	100,100
140	0	0	0	0	0	0	0	0	130-140	0	517.3	100,100
150	0	0	0	0	0	0	0	0	140-150	0	517.3	100,100
160	0	0	0	0	0	0	0	0	150-160	0	517.3	100,100
170	0	0	0	0	0	0	0	0	160-170	0	517.3	100,100
180	0	0	0	0	0	0	0	0	170-180	0	517.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 276.8 lm

%lum = 53.5%
%lamp = 53.5%

Conical surface Flux(120deg): 408.82 lm

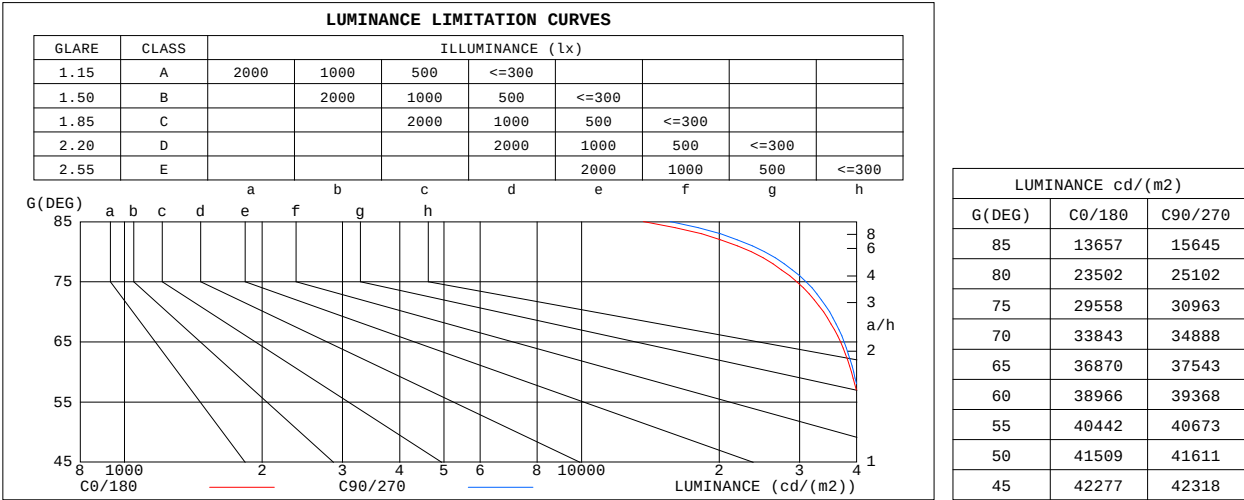
%lum = 79.0%
%lamp = 79.0%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



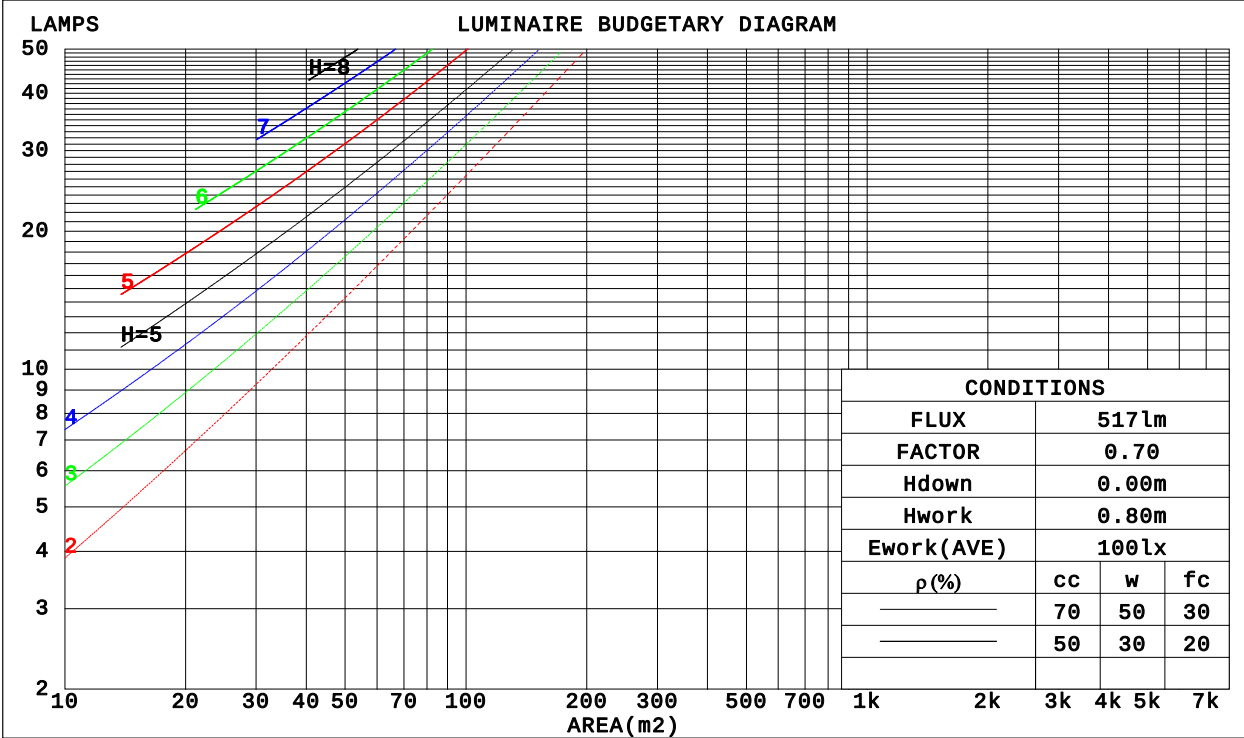
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	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	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.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	.59
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.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:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm					
NAME: HCP-3125482			TYPE:		WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W			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	.307	.175	.055	.300	.171	.054	.287	.165	.053	.275	.158	.051	.263	.153	.049	
2.0	.291	.159	.049	.284	.157	.048	.273	.152	.047	.262	.147	.046	.252	.143	.045	
3.0	.270	.144	.043	.264	.141	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.129	.038	.244	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.117	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.172	.087	.025	.167	.085	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.068	.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	.149	.091	.047	.128	.078	.041	.088	.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:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm											
NAME: HCP-3125482						TYPE:		WEIGHT:			
SPEC.:2216-24V-240D-4MM 2700K 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	25.7	27.2	25.9	27.4	27.6	25.7	27.2	26.0	27.4	27.6	
	3H	27.1	28.5	27.4	28.7	29.0	27.1	28.6	27.4	28.8	29.0
	4H	27.6	28.9	27.9	29.2	29.4	27.7	29.0	28.0	29.3	29.5
	6H	27.9	29.1	28.2	29.4	29.7	28.0	29.3	28.3	29.5	29.8
	8H	27.9	29.2	28.3	29.4	29.7	28.1	29.3	28.4	29.6	29.9
	12H	27.9	29.1	28.3	29.4	29.7	28.1	29.3	28.5	29.6	29.9
4H	2H	26.2	27.6	26.6	27.8	28.1	26.3	27.6	26.6	27.9	28.1
	3H	27.8	29.0	28.2	29.3	29.6	27.9	29.1	28.2	29.4	29.7
	4H	28.4	29.5	28.8	29.8	30.2	28.5	29.6	28.9	29.9	30.3
	6H	28.9	29.8	29.2	30.2	30.5	29.0	29.9	29.4	30.3	30.6
	8H	29.0	29.8	29.4	30.2	30.6	29.1	30.0	29.5	30.3	30.7
	12H	29.0	29.8	29.4	30.2	30.6	29.1	29.9	29.6	30.3	30.7
8H	4H	28.7	29.5	29.1	29.9	30.3	28.7	29.6	29.2	30.0	30.4
	6H	29.2	29.9	29.6	30.3	30.8	29.3	30.0	29.7	30.4	30.9
	8H	29.3	30.0	29.8	30.4	30.9	29.5	30.1	29.9	30.5	31.0
	12H	29.4	30.0	29.9	30.4	30.9	29.6	30.1	30.0	30.6	31.0
12H	4H	28.7	29.5	29.1	29.9	30.3	28.7	29.6	29.2	29.9	30.3
	6H	29.2	29.9	29.7	30.3	30.7	29.3	30.0	29.8	30.4	30.9
	8H	29.4	30.0	29.9	30.4	30.9	29.5	30.1	30.0	30.5	31.0
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, 517.3 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -2.3$)
Area: 0.004 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

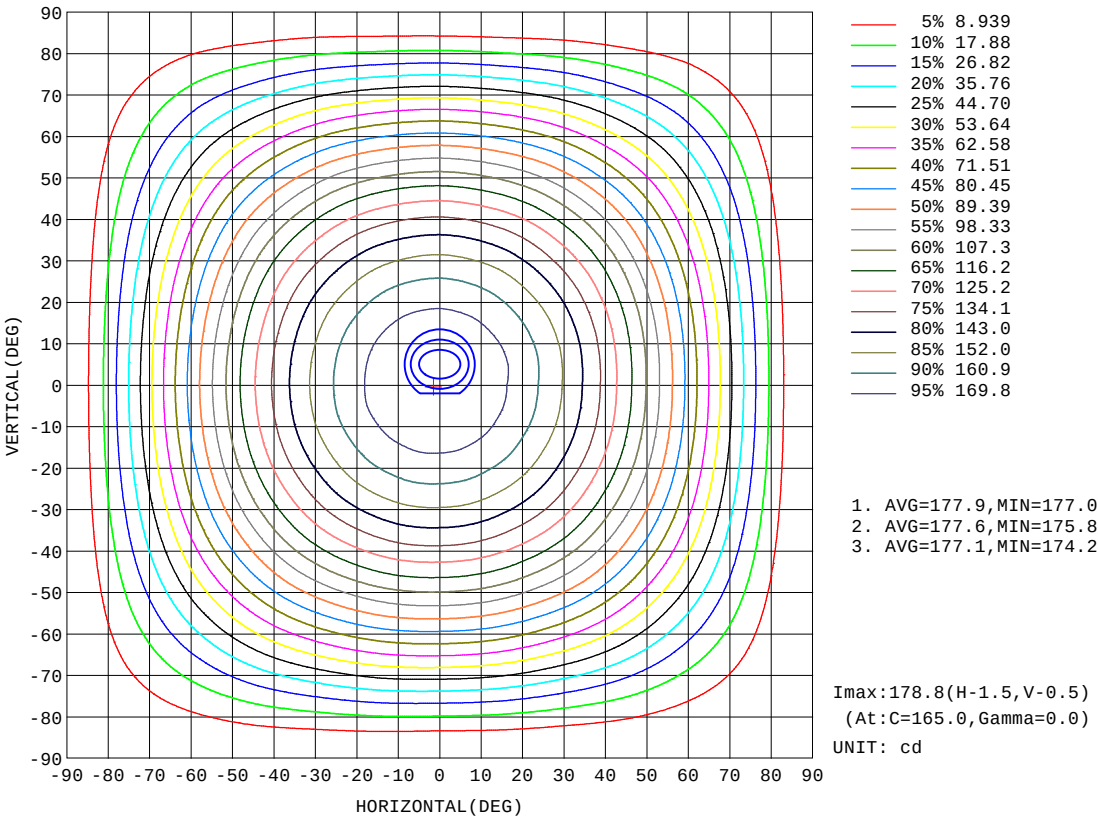
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	76	70	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	96	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:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



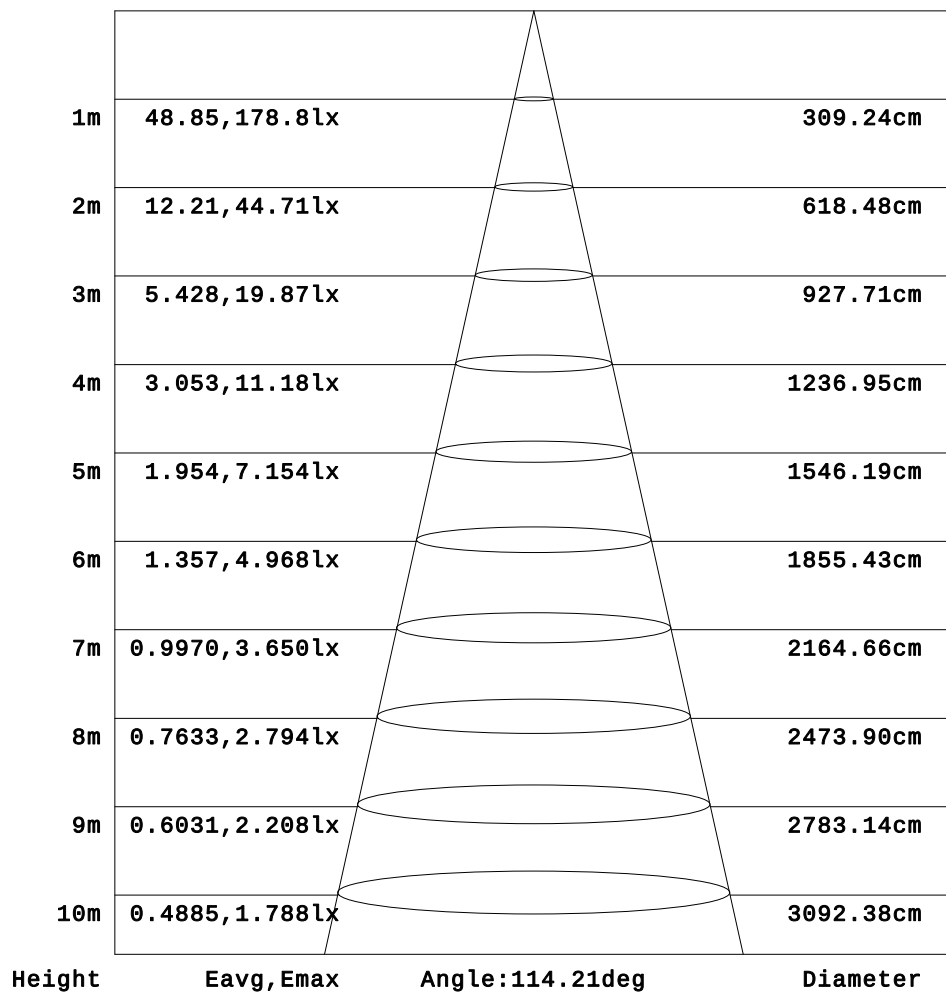
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:393.1 lm



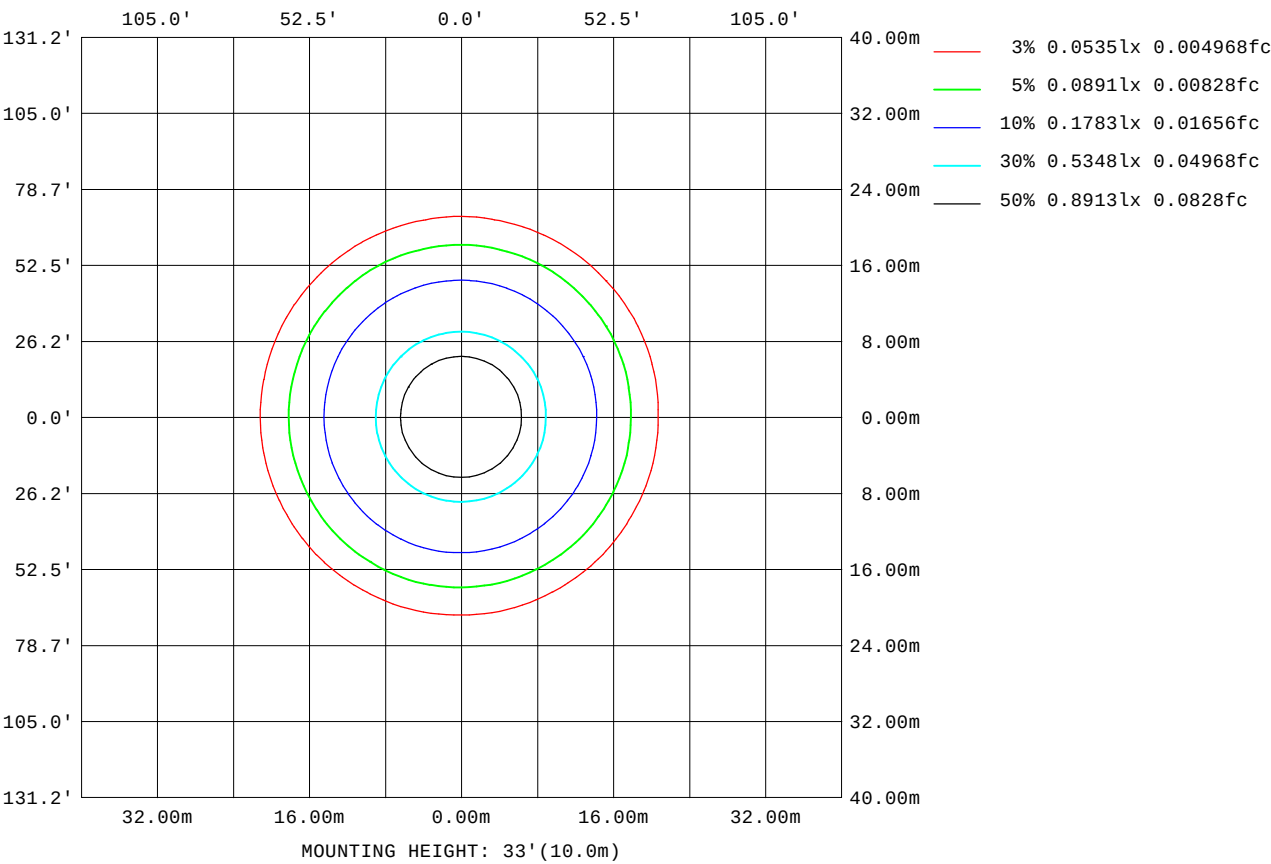
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Qin Meng
 Test Date:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 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:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

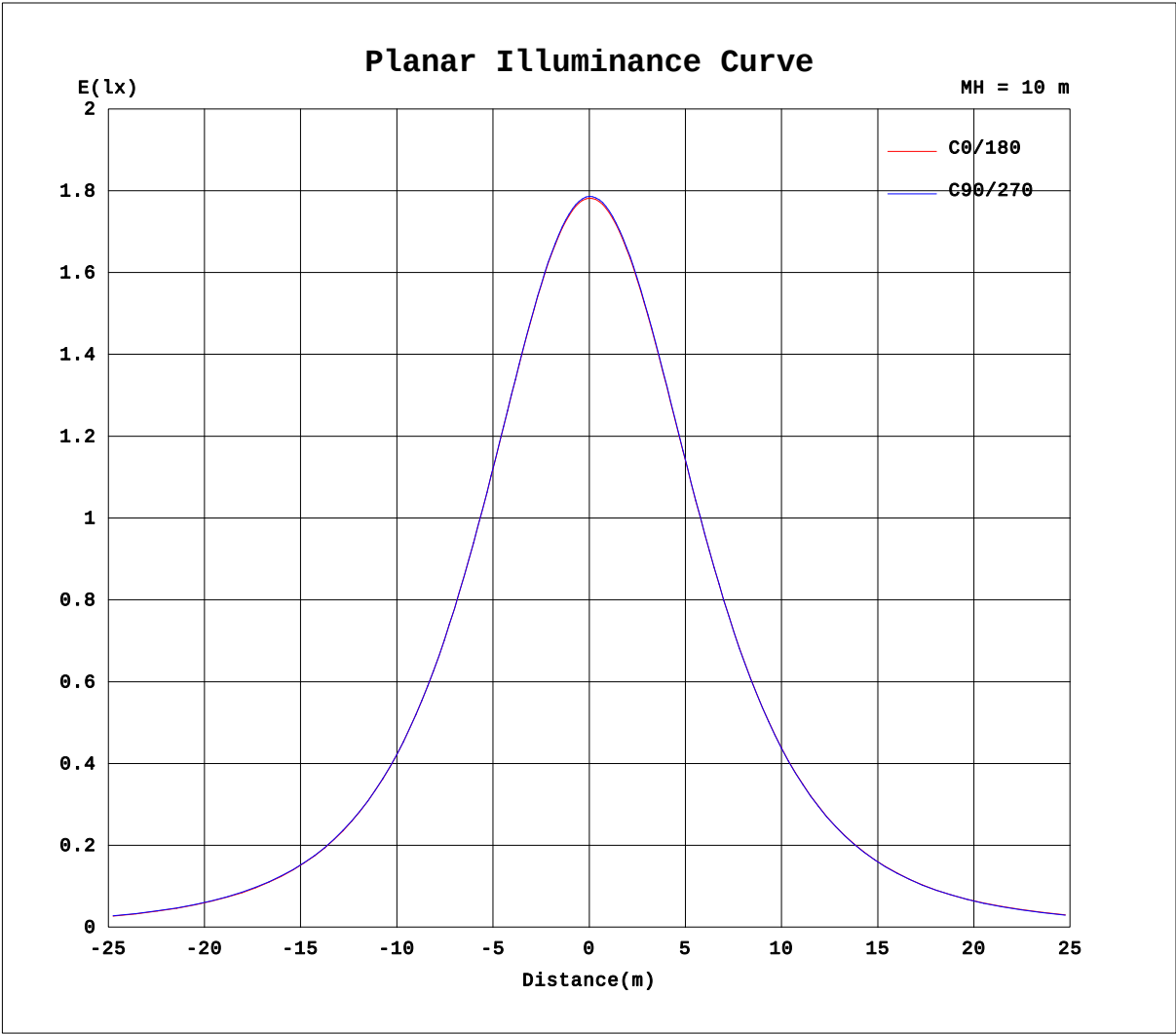
AvgL	cd/m2
L_0~180(65)av	38497
L_0~180(75)av	32161
L_0~180(85)av	18806
L_90~270(65)av	38702
L_90~270(75)av	32495
L_90~270(85)av	18133
L_45(65)av	38690
L_45(75)av	32464
L_45(85)av	19941

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-24

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:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	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	178	178	178	179	179	179	179	179	179	179	179	179	178	178	178	179	179	179	179
5	177	177	177	177	177	178	178	178	178	178	178	178	178	178	178	178	178	178	178
10	175	175	175	175	175	175	175	175	175	176	176	176	176	176	176	176	176	176	176
15	171	171	171	171	171	171	171	172	172	172	172	173	173	173	173	173	173	173	173
20	166	166	166	166	166	166	166	166	167	167	167	168	168	168	168	168	168	168	168
25	159	159	159	159	159	159	159	160	160	161	161	162	162	162	162	162	162	162	162
30	151	151	151	151	151	151	151	152	152	153	153	154	154	154	155	155	155	154	154
35	142	142	141	142	141	142	142	143	143	144	144	145	145	146	146	146	146	146	145
40	131	131	131	131	131	131	131	132	133	134	134	135	135	135	136	136	136	135	135
45	120	120	119	119	119	120	120	121	121	122	123	124	124	124	125	124	124	124	124
50	107	107	106	106	106	107	107	108	108	110	110	111	112	112	112	112	112	111	111
55	92.8	92.8	92.4	92.7	92.5	93.1	93.3	94.3	94.8	95.9	96.3	97.3	97.9	97.9	98.5	98.2	98.4	97.7	97.6
60	77.9	78.0	77.6	78.0	77.9	78.5	78.7	79.8	80.3	81.4	81.7	82.6	83.3	83.3	83.8	83.5	83.7	83.0	82.9
65	62.3	62.4	62.1	62.5	62.5	63.2	63.5	64.5	65.0	66.0	66.3	67.1	67.8	67.8	68.3	68.0	68.2	67.4	67.4
70	46.3	46.5	46.1	46.7	46.7	47.5	47.7	48.8	49.2	50.2	50.4	51.1	51.9	51.8	52.3	51.9	52.1	51.4	51.3
75	30.6	30.8	30.5	31.1	31.0	31.8	32.1	33.1	33.4	34.4	34.4	35.2	36.0	35.8	36.2	35.8	36.0	35.3	35.2
80	16.3	16.6	16.5	16.9	16.7	17.4	17.4	18.4	18.8	19.8	19.9	20.5	21.2	20.9	21.4	20.9	20.9	20.0	20.0
85	4.76	5.17	5.22	5.54	5.35	5.61	5.45	6.29	6.76	7.53	7.63	7.93	8.35	8.24	8.68	8.23	8.26	7.46	7.19
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.05	0.01	0.08	0.01	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:2024-07-24

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:0.2239A P:5.3739W PF:1.0000 Freq:0Hz Lamp Flux:517.253x1 lm		
NAME: HCP-3125482	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 2700K 4.8W	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	179	179	179	179	179														
5	178	178	178	178	178														
10	176	176	176	176	176														
15	173	173	172	172	172														
20	168	168	167	167	167														
25	162	161	161	161	160														
30	154	154	153	153	152														
35	145	145	144	144	143														
40	135	134	134	133	133														
45	123	123	122	122	121														
50	111	110	109	109	108														
55	96.8	96.6	95.6	95.3	94.2														
60	82.1	81.8	80.7	80.4	79.4														
65	66.5	66.2	65.1	64.8	63.7														
70	50.4	50.2	49.1	48.7	47.6														
75	34.4	34.1	33.2	32.9	31.9														
80	19.2	19.2	18.6	18.4	17.5														
85	6.83	7.03	6.51	6.41	5.66														
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:2024-07-24

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: