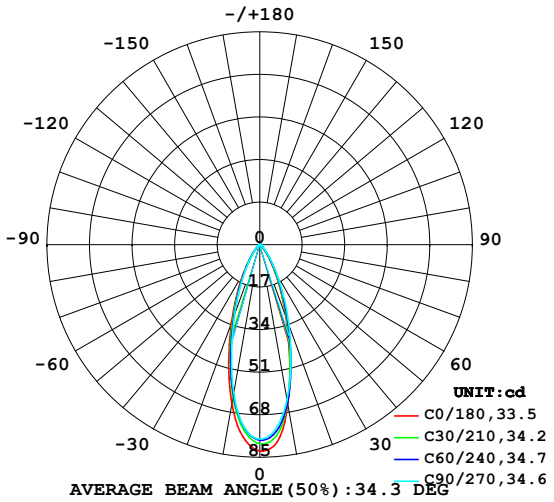
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

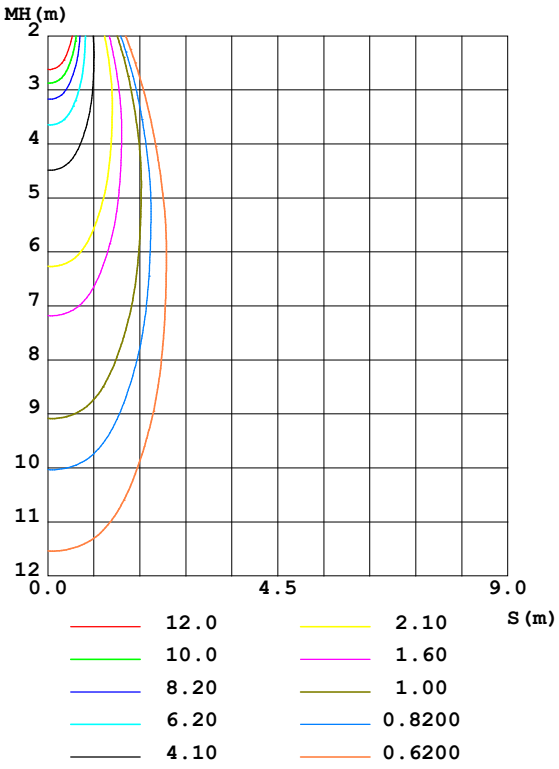
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 36.38 lm/W	
MODEL	HCP-272201 4000K	Imax(cd)	82.54	S/MH(C0/180)	0.56
NOMINAL POWER(W)	1	LOR(%)	100.0	S/MH(C90/270)	0.54
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	36.670	η UP,DN(C0-180)	0.0,51.9
NOMINAL FLUX(lm)	36.6696	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):34.3 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	64.65	64.74	62.90	62.02	64.56	60.94	60.20	60.76	0- 10	6.716	6.716	18.3,18.3
20	30.29	32.67	34.04	33.51	33.28	30.19	29.45	29.06	10- 20	12.67	19.38	52.9,52.9
30	11.33	12.78	13.77	14.01	12.82	11.74	11.26	11.18	20- 30	9.406	28.79	78.5,78.5
40	3.545	4.178	4.671	4.742	4.042	3.796	3.756	3.704	30- 40	4.627	33.42	91.1,91.1
50	1.261	1.336	1.552	1.519	1.262	1.309	1.345	1.382	40- 50	1.871	35.29	96.2,96.2
60	0.5521	0.5125	0.6954	0.6467	0.5470	0.5692	0.5813	0.6475	50- 60	0.8200	36.11	98.5,98.5
70	0.2131	0.2340	0.2827	0.2561	0.2430	0.2434	0.2166	0.2348	60- 70	0.3991	36.51	99.6,99.6
80	0.0652	0.0261	0.0913	0.0520	0.0433	0.0783	0.0304	0.0695	70- 80	0.1413	36.65	99.9,99.9
90	0	0	0	0	0	0	0	0	80- 90	0.0228	36.67	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

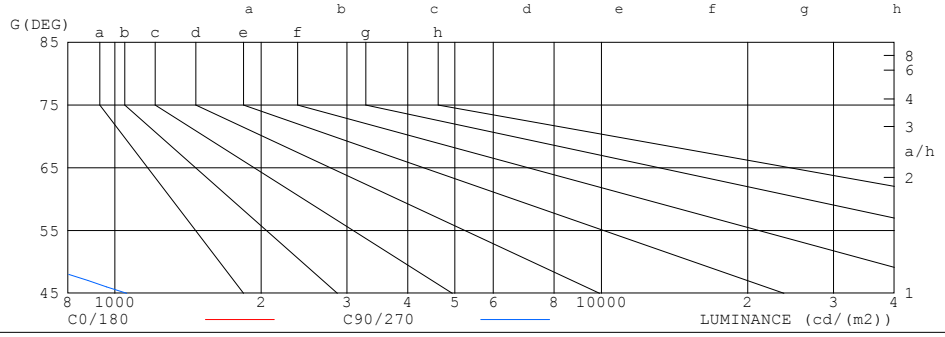
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

LUMINANCE LIMITATION CURVES

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	57	114
80	107	149
75	134	186
70	177	235
65	245	315
60	313	395
55	409	484
50	557	685
45	811	1058

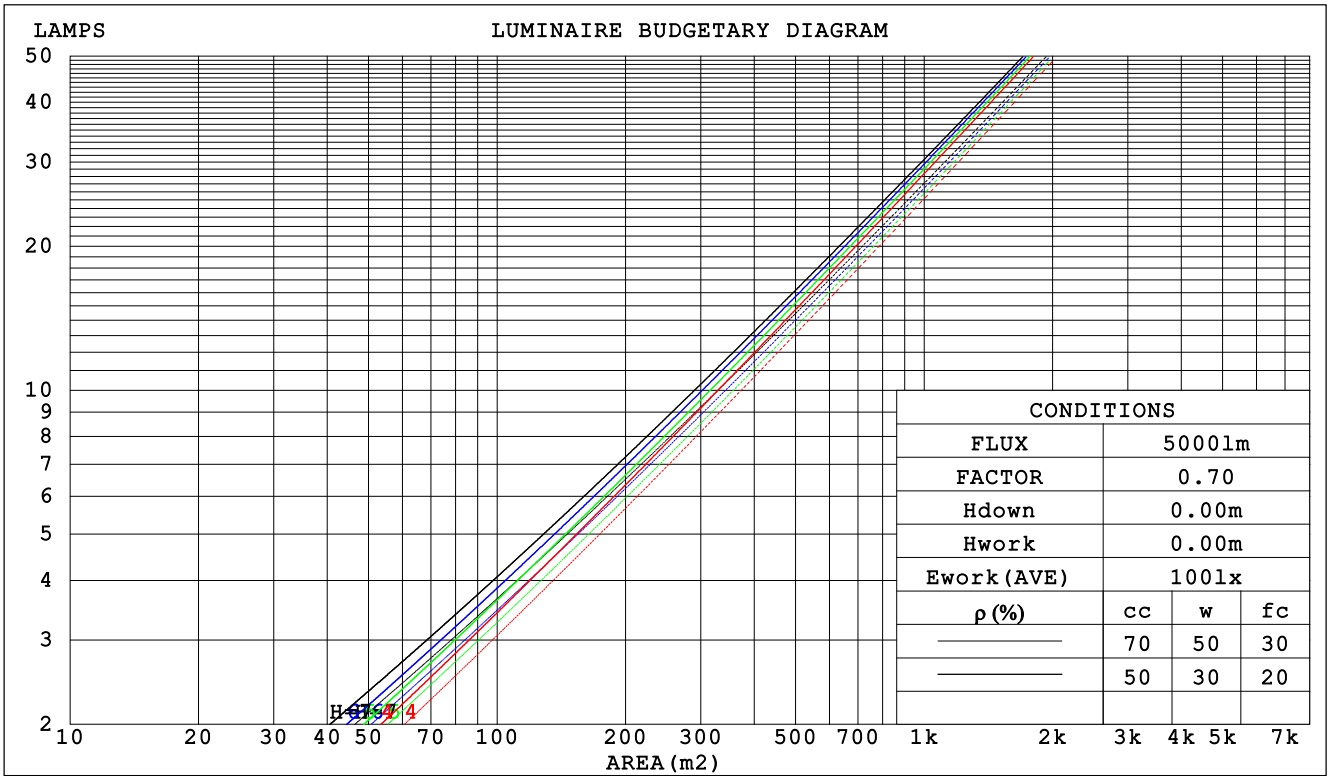
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.89	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.87	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.81	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.75	.74
6.0	.82	.77	.73	.82	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.71	.70
7.0	.78	.73	.69	.78	.72	.69	.76	.72	.68	.75	.71	.68	.74	.70	.68	.66
8.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.63
9.0	.71	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
10.0	.68	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.59	.65	.62	.59	.58



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

WEC AND CCEC

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	.170	.097	.031	.163	.093	.030	.151	.087	.028	.139	.080	.026	.129	.075	.024	
2.0	.162	.089	.027	.156	.086	.026	.145	.081	.025	.136	.076	.024	.127	.072	.023	
3.0	.153	.081	.024	.148	.079	.024	.139	.075	.023	.131	.072	.022	.123	.068	.021	
4.0	.145	.075	.022	.141	.074	.022	.133	.070	.021	.126	.068	.020	.119	.065	.020	
5.0	.137	.070	.020	.134	.069	.020	.127	.066	.019	.121	.064	.019	.115	.061	.018	
6.0	.130	.065	.019	.127	.064	.018	.121	.062	.018	.116	.060	.018	.111	.058	.017	
7.0	.124	.061	.017	.121	.060	.017	.116	.059	.017	.111	.057	.017	.107	.056	.016	
8.0	.118	.058	.016	.116	.057	.016	.111	.056	.016	.107	.054	.016	.103	.053	.015	
9.0	.113	.055	.015	.111	.054	.015	.107	.053	.015	.103	.052	.015	.099	.051	.015	
10.0	.108	.052	.014	.106	.051	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.068	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.043	.092	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.053	.028	.079	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

UGR(Unified Glare Rating) Table

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	17.6	18.5	17.9	18.7	18.8	18.7	19.6	18.9	19.7	19.9
	3H	17.7	18.5	17.9	18.7	18.9	18.8	19.6	19.0	19.8	20.0
	4H	17.6	18.4	17.9	18.6	18.8	18.8	19.5	19.0	19.7	20.0
	6H	17.6	18.3	17.9	18.5	18.8	18.7	19.4	19.0	19.7	19.9
	8H	17.6	18.2	17.9	18.5	18.8	18.7	19.4	19.0	19.6	19.9
	12H	17.5	18.2	17.8	18.4	18.7	18.7	19.3	19.0	19.6	19.9
4H	2H	17.6	18.4	17.9	18.6	18.8	18.6	19.3	18.8	19.6	19.8
	3H	17.7	18.4	18.0	18.6	18.9	18.7	19.4	19.0	19.6	19.9
	4H	17.7	18.3	18.0	18.6	18.9	18.7	19.3	19.1	19.6	19.9
	6H	17.6	18.2	18.0	18.5	18.8	18.7	19.2	19.1	19.6	19.9
	8H	17.6	18.1	18.0	18.4	18.8	18.7	19.2	19.1	19.5	19.9
	12H	17.5	18.0	17.9	18.3	18.7	18.6	19.1	19.0	19.5	19.8
8H	4H	17.6	18.1	18.0	18.4	18.8	18.6	19.1	19.0	19.5	19.8
	6H	17.5	18.0	18.0	18.3	18.8	18.6	19.0	19.0	19.4	19.8
	8H	17.5	17.9	18.0	18.3	18.7	18.6	18.9	19.0	19.4	19.8
	12H	17.5	17.8	17.9	18.2	18.7	18.5	18.9	19.0	19.3	19.8
12H	4H	17.5	18.0	17.9	18.4	18.7	18.6	19.0	19.0	19.4	19.8
	6H	17.5	17.9	17.9	18.3	18.7	18.6	18.9	19.0	19.3	19.8
	8H	17.5	17.8	17.9	18.2	18.7	18.5	18.9	19.0	19.3	19.8

Variations with the observer position at spacings:		
S = 1.0H	+ 1.8 / - 3.3	+ 2.2 / - 3.2
1.5H	+ 3.1 / - 2.8	+ 3.6 / - 2.7
2.0H	+ 3.1 / - 2.3	+ 3.5 / - 2.4

CIE Pub.117, 36.67 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -11.5)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

UTILIZATION FACTORS TABLE

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

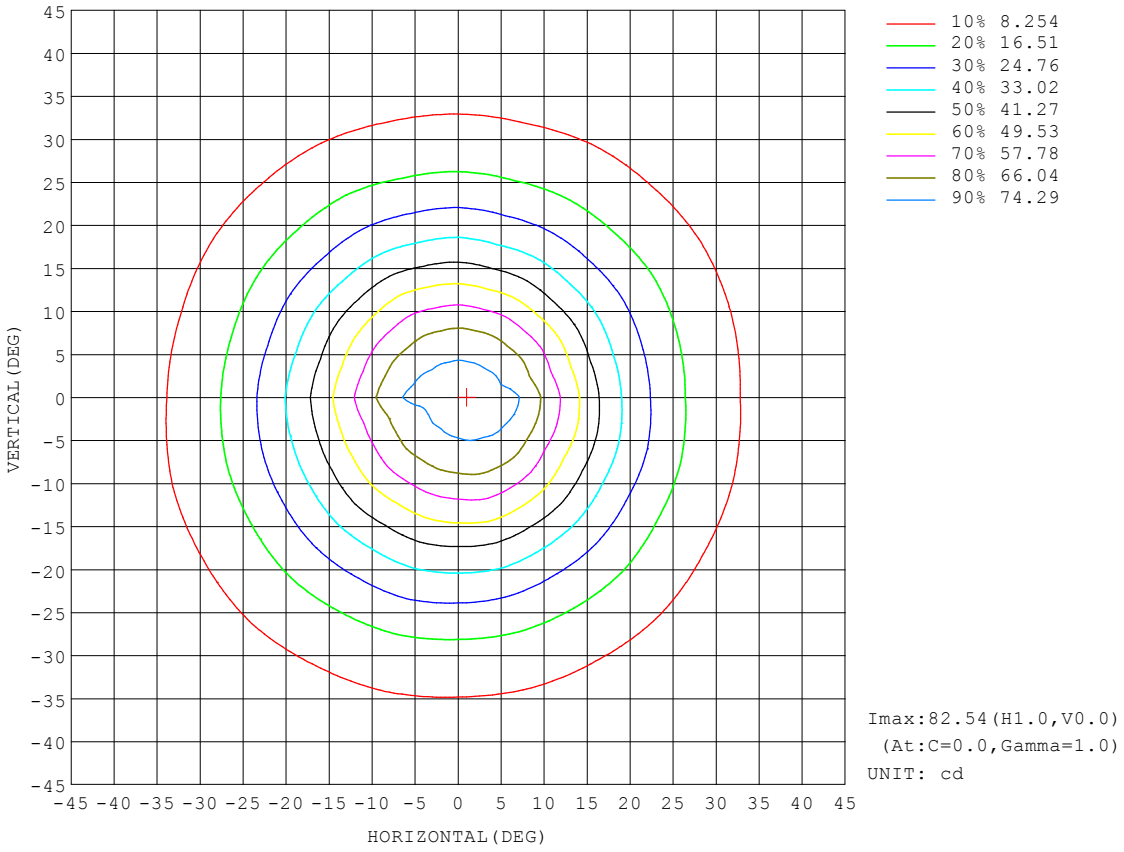
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	86	79	75	85	79	75	85	79	75	72
0.80	94	87	84	93	87	83	92	87	83	79
1.00	98	92	89	97	92	88	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
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:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

ISOCANDELA DIAGRAM

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

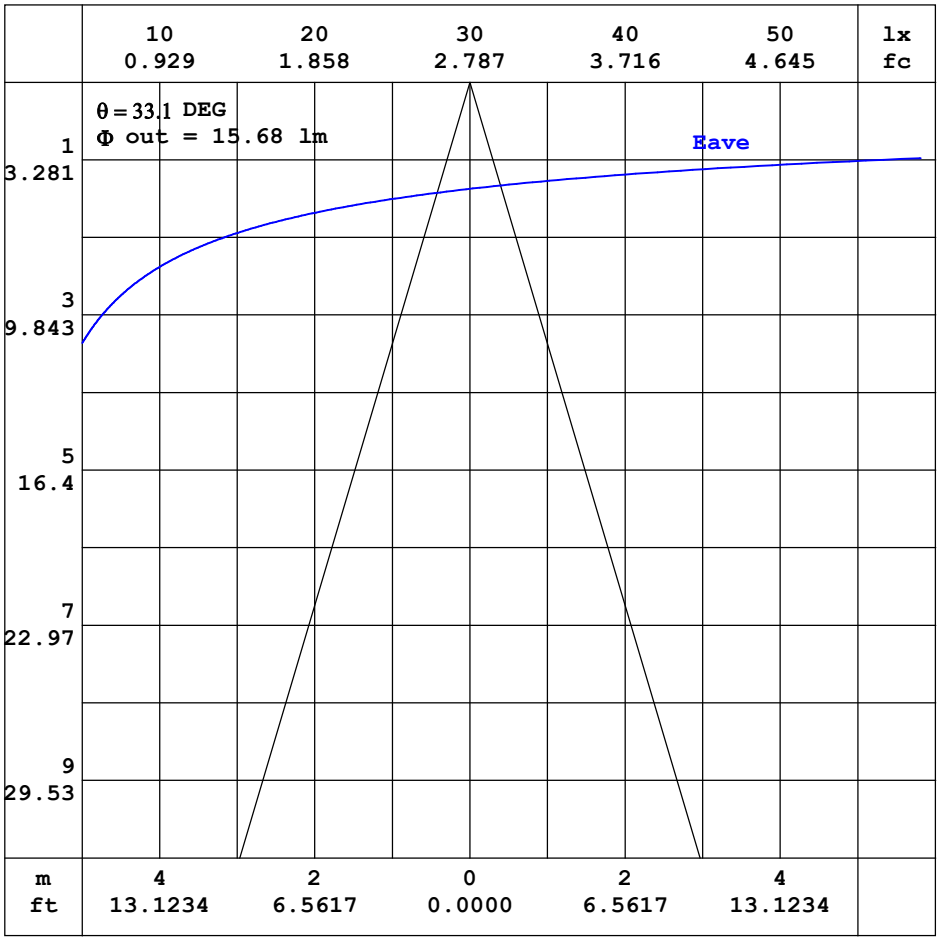


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

AAI CURVES

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



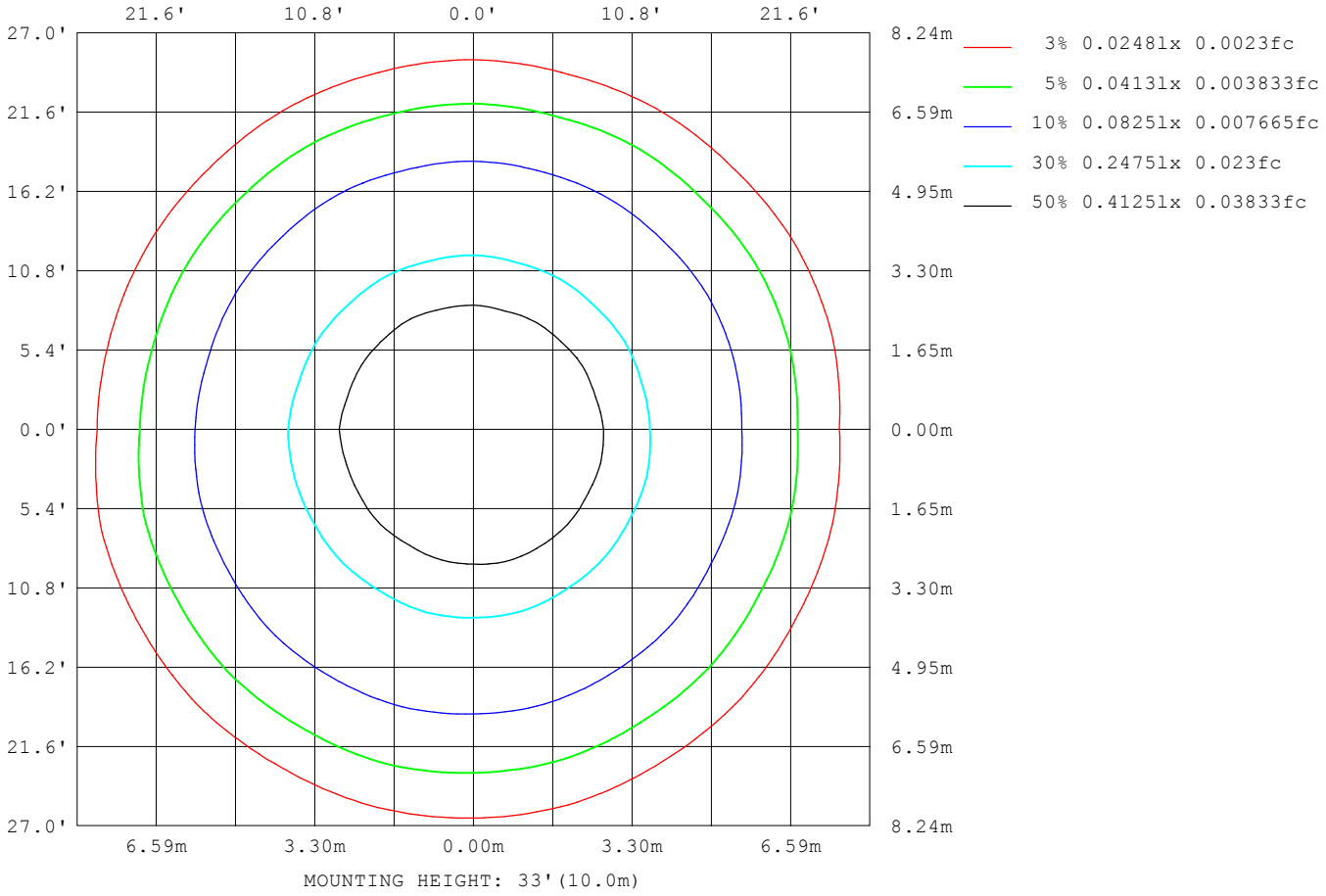
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

ISOLUX DIAGRAM

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

LED Avg.L Report

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

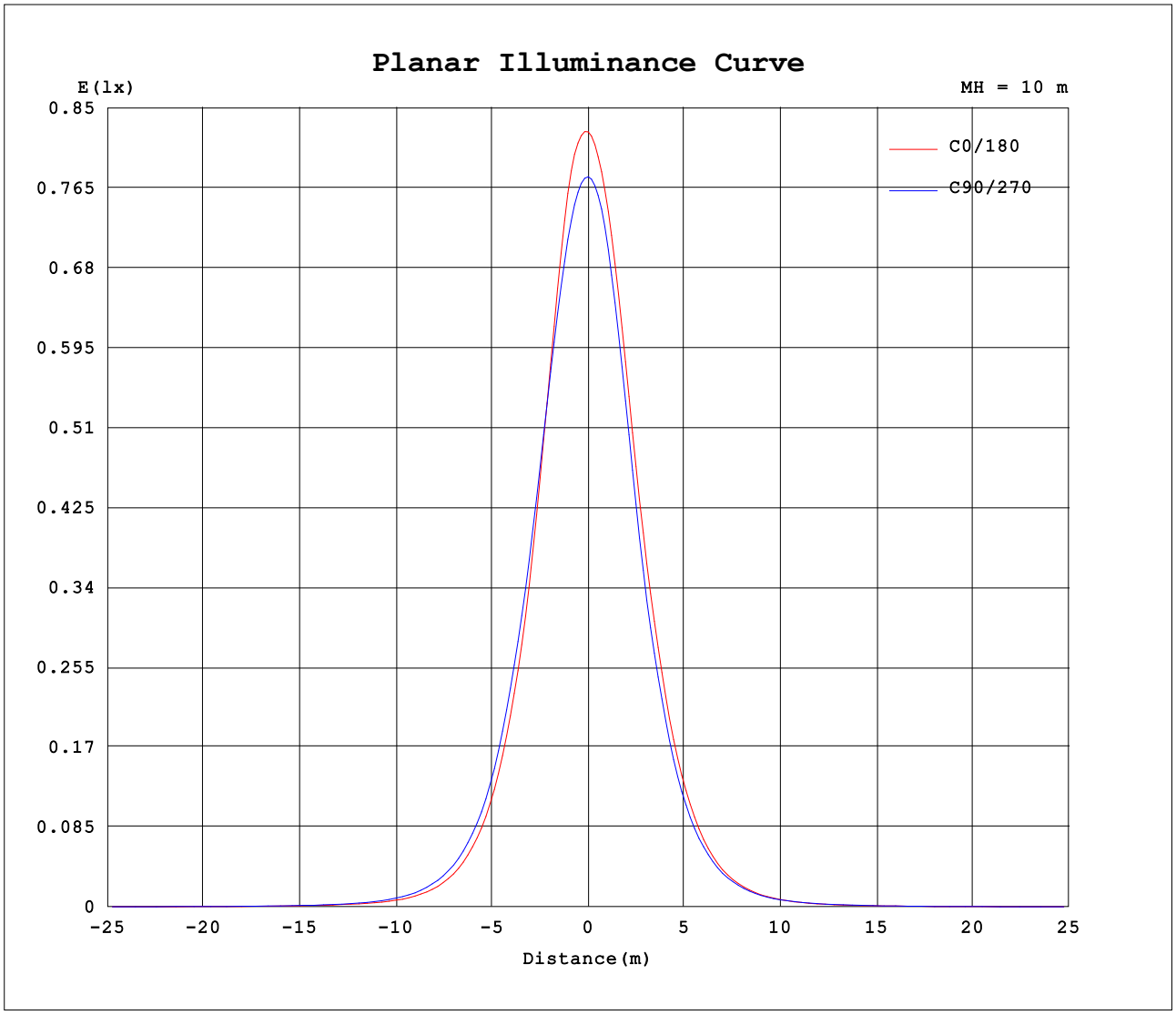
AvgL	cd/m2
L_0~180(65)av	249
L_0~180(75)av	124
L_0~180(85)av	35
L_90~270(65)av	283
L_90~270(75)av	141
L_90~270(85)av	57
L_45(65)av	270
L_45(75)av	141
L_45(85)av	56

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	82.5	80.7	79.6	78.6	78.2	77.9	77.7	77.6	77.4	77.5	77.5	77.6	82.5	80.7	79.6	78.6	78.2	77.9	77.7
5	79.3	78.0	76.7	75.9	75.0	74.6	73.9	73.6	73.0	73.1	72.9	73.1	77.2	75.1	74.3	73.3	73.3	73.0	73.2
10	64.7	64.5	63.9	64.7	64.3	64.1	62.9	62.5	61.8	62.0	61.4	61.7	64.6	62.6	62.0	60.9	61.0	60.1	60.2
15	46.3	47.0	46.8	48.0	48.4	49.0	48.3	48.1	47.1	47.5	46.8	46.9	48.0	46.1	45.8	45.0	45.0	43.6	43.5
20	30.3	31.3	31.5	32.7	33.2	34.1	34.0	34.2	33.5	33.5	32.9	32.9	33.3	31.7	31.3	30.2	30.1	29.3	29.5
25	19.1	20.1	20.3	21.1	21.3	22.2	22.3	22.9	22.4	22.5	21.8	21.7	21.2	20.4	20.2	19.5	19.4	18.7	18.6
30	11.3	11.8	12.0	12.8	13.1	13.7	13.8	14.1	13.9	14.0	13.5	13.4	12.8	12.2	12.1	11.7	11.7	11.3	11.3
35	6.40	6.77	6.90	7.33	7.54	7.98	8.10	8.34	8.16	8.26	7.94	7.85	7.21	6.99	6.95	6.74	6.74	6.53	6.52
40	3.55	3.80	3.89	4.18	4.31	4.60	4.67	4.76	4.66	4.74	4.56	4.50	4.04	3.91	3.89	3.80	3.83	3.73	3.76
45	2.02	2.10	2.20	2.34	2.46	2.61	2.64	2.69	2.65	2.66	2.57	2.53	2.23	2.21	2.17	2.15	2.16	2.16	2.17
50	1.26	1.22	1.27	1.34	1.44	1.51	1.55	1.55	1.57	1.52	1.51	1.46	1.26	1.28	1.25	1.31	1.28	1.33	1.34
55	0.83	0.78	0.78	0.79	0.91	0.93	0.98	0.98	1.03	0.94	0.97	0.92	0.79	0.82	0.79	0.85	0.83	0.86	0.85
60	0.55	0.52	0.53	0.51	0.62	0.60	0.70	0.66	0.70	0.65	0.67	0.64	0.55	0.58	0.52	0.57	0.53	0.60	0.58
65	0.37	0.31	0.36	0.37	0.41	0.40	0.47	0.44	0.48	0.44	0.47	0.40	0.38	0.40	0.37	0.39	0.37	0.40	0.37
70	0.21	0.17	0.23	0.23	0.27	0.24	0.28	0.25	0.30	0.26	0.30	0.24	0.24	0.26	0.24	0.24	0.23	0.24	0.22
75	0.12	0.10	0.13	0.10	0.14	0.11	0.17	0.13	0.17	0.14	0.18	0.12	0.10	0.15	0.10	0.14	0.09	0.14	0.09
80	0.07	0.03	0.07	0.03	0.08	0.04	0.09	0.05	0.10	0.05	0.10	0.05	0.04	0.10	0.03	0.08	0.03	0.07	0.03
85	0.02	0.00	0.02	0.00	0.03	0.00	0.03	0.00	0.04	0.02	0.05	0.01	0.00	0.04	0.00	0.03	0.00	0.03	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.997V I:0.0420A P:1.0079W PF:1.0000 Freq:49.99Hz Lamp Flux:36.6696x1 lm		
NAME: HCP-272201 4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345
0	77.6	77.4	77.5	77.5	77.6
5	73.0	73.5	73.7	74.4	74.7
10	59.9	60.6	60.8	61.9	61.8
15	42.8	43.5	43.4	44.5	44.5
20	28.8	29.2	29.1	29.7	29.6
25	18.2	18.4	18.5	19.1	19.0
30	11.0	11.2	11.2	11.6	11.5
35	6.37	6.52	6.47	6.66	6.64
40	3.66	3.73	3.70	3.81	3.82
45	2.14	2.16	2.16	2.21	2.22
50	1.37	1.34	1.38	1.37	1.43
55	0.91	0.87	0.96	0.92	0.96
60	0.63	0.59	0.65	0.61	0.65
65	0.40	0.37	0.41	0.37	0.41
70	0.24	0.23	0.23	0.22	0.23
75	0.13	0.09	0.13	0.09	0.14
80	0.07	0.03	0.07	0.03	0.07
85	0.02	0.00	0.01	0.00	0.01
90	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-09-12

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:8.003m [K=1.0000]
Remarks: HCP-272201 4000K