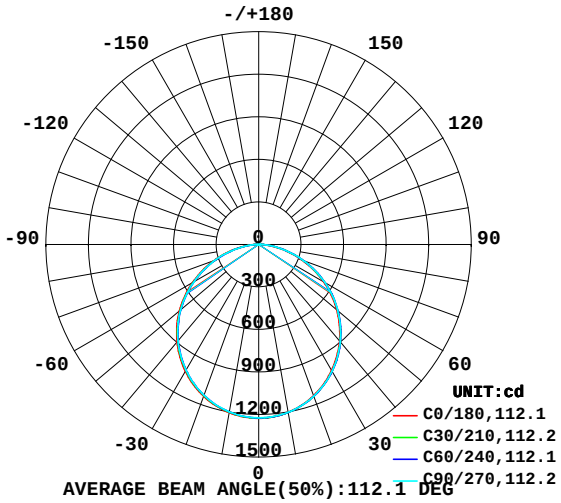
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

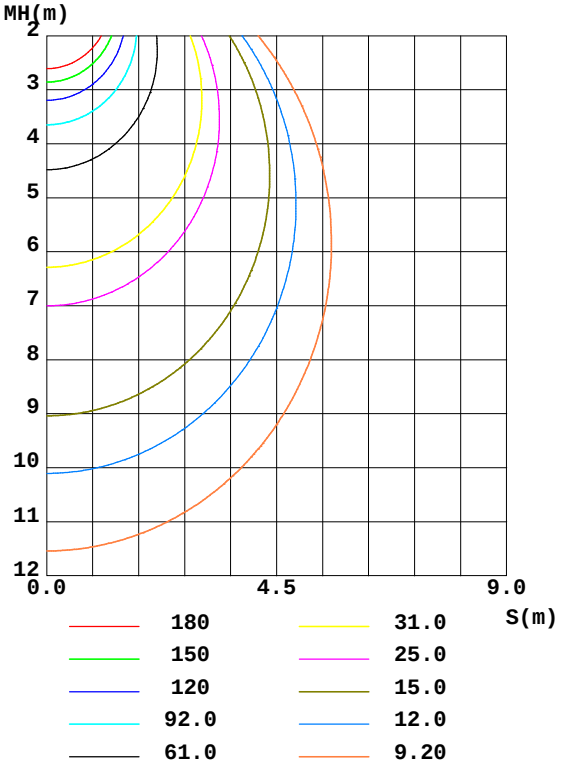
DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.18 lm/W			
MODEL		Imax(cd)	1225	S/MH(C0/180)	1.26
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3513.1	η UP,DN(C0-180)	0.2,49.7
NOMINAL FLUX(lm)	3513.07	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.5
LAMPS INSIDE	1	η up(%)	0.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	99.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):112.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:***AGT-I782G..-0850(850mA)+DA320/B+***电池，***PCB：A400-12S38P-V1.3,***
灯珠：***Lumileds***（亮锐）普通光效灯珠

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

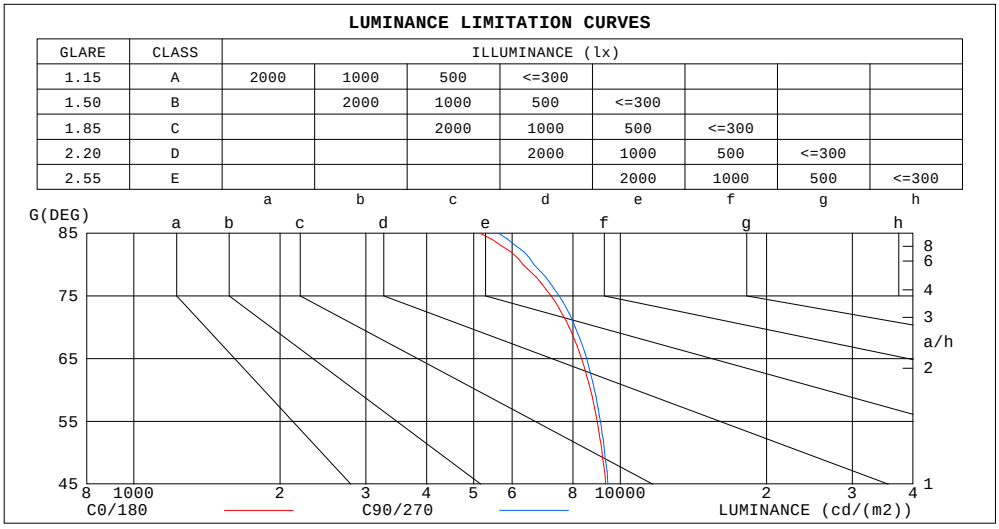
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1202	1203	1202	1200	1204	1200	1199	1199	0- 10	115.7	115.7	3.29,3.29
20	1135	1138	1138	1135	1139	1133	1131	1133	10- 20	331.1	446.8	12.7,12.7
30	1028	1035	1034	1030	1035	1026	1025	1028	20- 30	501.0	947.8	27,27
40	887.9	897.0	895.6	891.9	896.8	886.2	885.8	889.4	30- 40	603.3	1551	44.2,44.2
50	719.5	729.8	729.0	724.6	732.2	719.5	721.0	723.6	40- 50	625.4	2176	62,62
60	530.3	540.8	540.3	534.1	541.0	529.2	528.1	534.4	50- 60	564.8	2741	78,78
70	327.7	338.6	337.5	332.0	338.2	328.4	329.2	334.3	60- 70	429.8	3171	90.3,90.3
80	133.8	144.3	140.9	137.9	144.7	135.9	136.8	141.0	70- 80	247.1	3418	97.3,97.3
90	6.978	8.499	7.857	7.127	11.68	9.936	10.29	11.45	80- 90	69.72	3488	99.3,99.3
100	2.179	2.179	2.175	2.615	5.522	5.601	5.521	5.277	90-100	4.801	3493	99.4,99.4
110	2.253	2.232	2.223	2.649	5.411	5.478	5.400	5.175	100-110	4.096	3497	99.5,99.5
120	2.420	2.403	2.397	2.813	5.438	5.486	5.408	5.183	110-120	3.867	3501	99.6,99.6
130	2.607	2.583	2.605	2.963	5.398	5.435	5.342	5.143	120-130	3.582	3504	99.7,99.7
140	2.760	2.719	2.845	3.073	5.244	5.257	5.163	4.984	130-140	3.110	3507	99.8,99.8
150	2.902	2.846	2.925	3.154	4.974	4.951	4.888	4.725	140-150	2.488	3510	99.9,99.9
160	3.161	3.155	3.169	3.410	4.616	4.615	4.570	4.471	150-160	1.805	3512	100,100
170	3.554	3.553	3.559	3.682	4.333	4.302	4.265	4.245	160-170	1.111	3513	100,100
180	3.914	3.907	3.887	3.920	3.923	3.907	3.888	3.918	170-180	0.3758	3513	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:AGT-I782G..-0850(850mA)+DA320/
B+电池，PCB：A400-12S38P-V1.3，
灯珠：Lumileds（亮锐）普通光效灯珠

LUMINANCE LIMITATION CURVES

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5149	5624
80	6314	6651
75	7212	7494
70	7853	8088
65	8336	8531
60	8693	8858
55	8969	9112
50	9175	9296
45	9339	9438

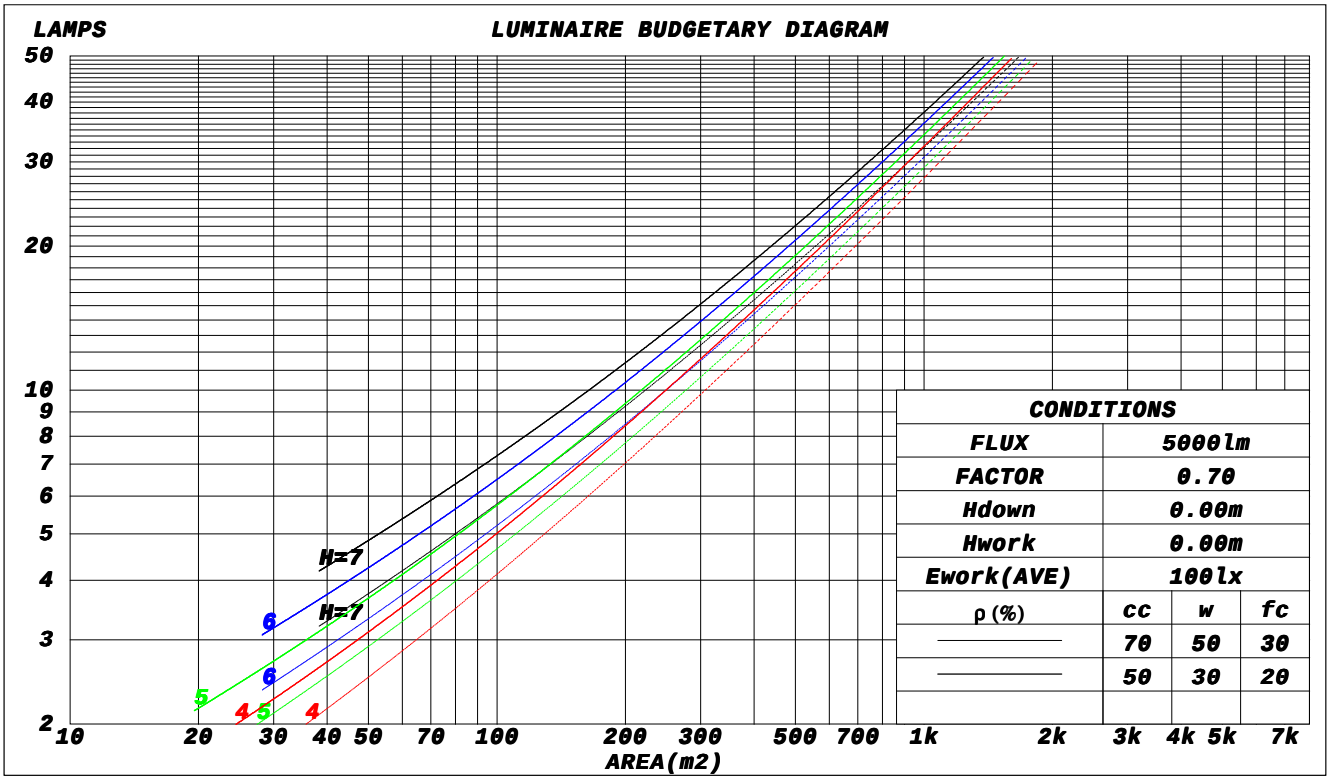
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-11-10

γ Range: 0 - 180DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
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Remarks: 电器:***AGT-I782G..-0850(850mA)+DA320/***
B+电池，***PCB：A400-12S38P-V1.3,***
灯珠：***Lumileds***（亮锐）普通光效灯珠

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62 (mm)	
	SUR.: Φ395 (mm)	

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	1.01	1.01	1.01	.99
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.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	.63	.53	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
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	.44	.37	.32	.43	.36	.31	.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: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:AGT-I782G..-0850(850mA)+DA320/
B+电池，PCB：A400-12S38P-V1.3,
灯珠：Lumileds（亮锐）普通光效灯珠

WEC AND CCEC

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

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	.311	.177	.056	.304	.173	.055	.290	.166	.053	.277	.160	.051	.266	.154	.050	
2.0	.292	.160	.049	.286	.157	.049	.274	.152	.047	.263	.147	.046	.252	.143	.045	
3.0	.270	.144	.043	.265	.142	.043	.254	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.249	.130	.038	.244	.128	.038	.235	.125	.037	.226	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.218	.113	.033	.210	.111	.033	.202	.108	.032	
6.0	.214	.107	.031	.210	.106	.030	.202	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.182	.093	.027	.176	.092	.027	
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.171	.087	.025	.165	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.080	.023	.156	.079	.023	
10.0	.164	.078	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.147	.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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.186	.162	.140	.159	.139	.120	.109	.095	.083	.063	.055	.048	.020	.018	.016	
2.0	.178	.137	.104	.152	.118	.089	.104	.082	.062	.060	.048	.037	.019	.015	.012	
3.0	.170	.120	.080	.146	.103	.069	.100	.072	.049	.058	.042	.029	.019	.014	.009	
4.0	.163	.107	.064	.139	.092	.056	.096	.064	.039	.055	.038	.023	.018	.012	.008	
5.0	.155	.096	.053	.133	.083	.046	.092	.058	.032	.053	.034	.019	.017	.011	.006	
6.0	.148	.088	.045	.127	.076	.039	.088	.053	.028	.051	.031	.016	.016	.010	.005	
7.0	.141	.081	.039	.121	.070	.034	.084	.049	.024	.049	.029	.014	.016	.009	.005	
8.0	.135	.075	.034	.116	.065	.030	.080	.046	.021	.047	.027	.013	.015	.009	.004	
9.0	.129	.070	.031	.111	.061	.027	.077	.043	.019	.045	.025	.011	.014	.008	.004	
10.0	.123	.066	.028	.106	.057	.025	.073	.040	.017	.043	.024	.010	.014	.008	.003	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:AGT-I782G..-0850(850mA)+DA320/
B+电池，PCB：A400-12S38P-V1.3,
灯珠：Lumileds（亮锐）普通光效灯珠

UGR(Unified Glare Rating) Table

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

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	19.8	21.4	20.2	21.7	22.1	19.8	21.4	20.2	21.7	22.1
3H	21.6	23.0	22.0	23.4	23.8	21.6	23.1	22.0	23.4	23.8
4H	22.2	23.6	22.6	24.0	24.4	22.3	23.7	22.7	24.0	24.4
6H	22.7	24.0	23.1	24.4	24.8	22.8	24.1	23.2	24.4	24.8
8H	22.8	24.1	23.3	24.5	24.9	22.9	24.2	23.4	24.6	25.0
12H	22.9	24.1	23.4	24.5	25.0	23.0	24.2	23.5	24.6	25.0
4H 2H	20.4	21.8	20.8	22.2	22.6	20.4	21.8	20.8	22.2	22.5
3H	22.4	23.6	22.9	24.0	24.4	22.4	23.6	22.9	24.0	24.4
4H	23.2	24.3	23.7	24.7	25.2	23.2	24.3	23.7	24.7	25.2
6H	23.8	24.8	24.3	25.2	25.7	23.9	24.8	24.3	25.2	25.7
8H	24.0	24.9	24.5	25.4	25.8	24.1	24.9	24.5	25.4	25.9
12H	24.2	24.9	24.7	25.4	25.9	24.2	25.0	24.7	25.5	26.0
8H 4H	23.6	24.4	24.0	24.9	25.4	23.5	24.4	24.0	24.9	25.3
6H	24.3	25.0	24.8	25.5	26.0	24.3	25.0	24.8	25.5	26.0
8H	24.6	25.2	25.1	25.7	26.2	24.5	25.2	25.1	25.7	26.2
12H	24.8	25.3	25.3	25.9	26.4	24.8	25.3	25.3	25.8	26.4
12H 4H	23.6	24.4	24.1	24.9	25.4	23.6	24.4	24.1	24.8	25.3
6H	24.4	25.0	24.9	25.5	26.1	24.3	25.0	24.9	25.5	26.0
8H	24.7	25.3	25.2	25.8	26.3	24.7	25.2	25.2	25.7	26.3
CIE190: 2010										

CIE190: 2010
Area: 0.122 m2

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:AGT-I782G..-0850(850mA)+DA320/
B+电池，PCB：A400-12S38P-V1.3，
灯珠：Lumileds（亮锐）普通光效灯珠

UTILIZATION FACTORS TABLE

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

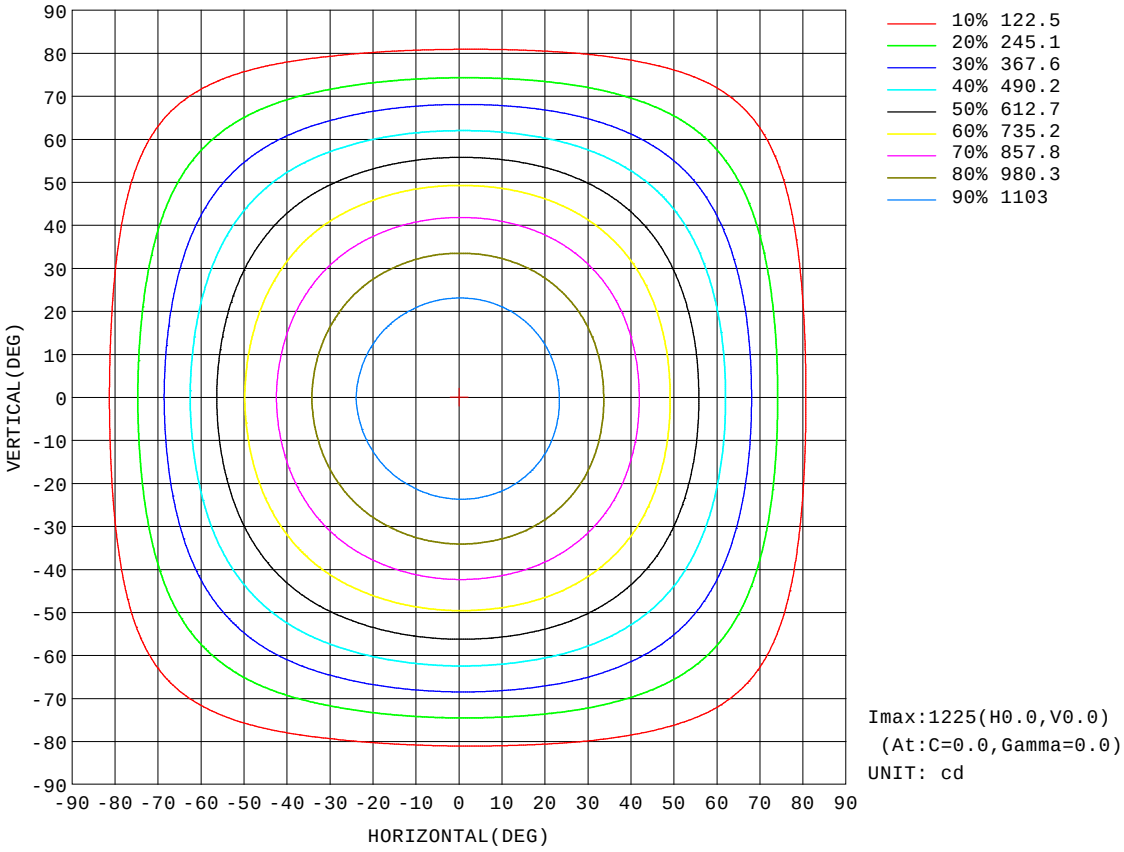
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	96	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:AGT-I782G..-0850(850mA)+DA320/B+电池，PCB：A400-12S38P-V1.3，灯珠：Lumileds（亮锐）普通光效灯珠

ISOCANDELA DIAGRAM

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	



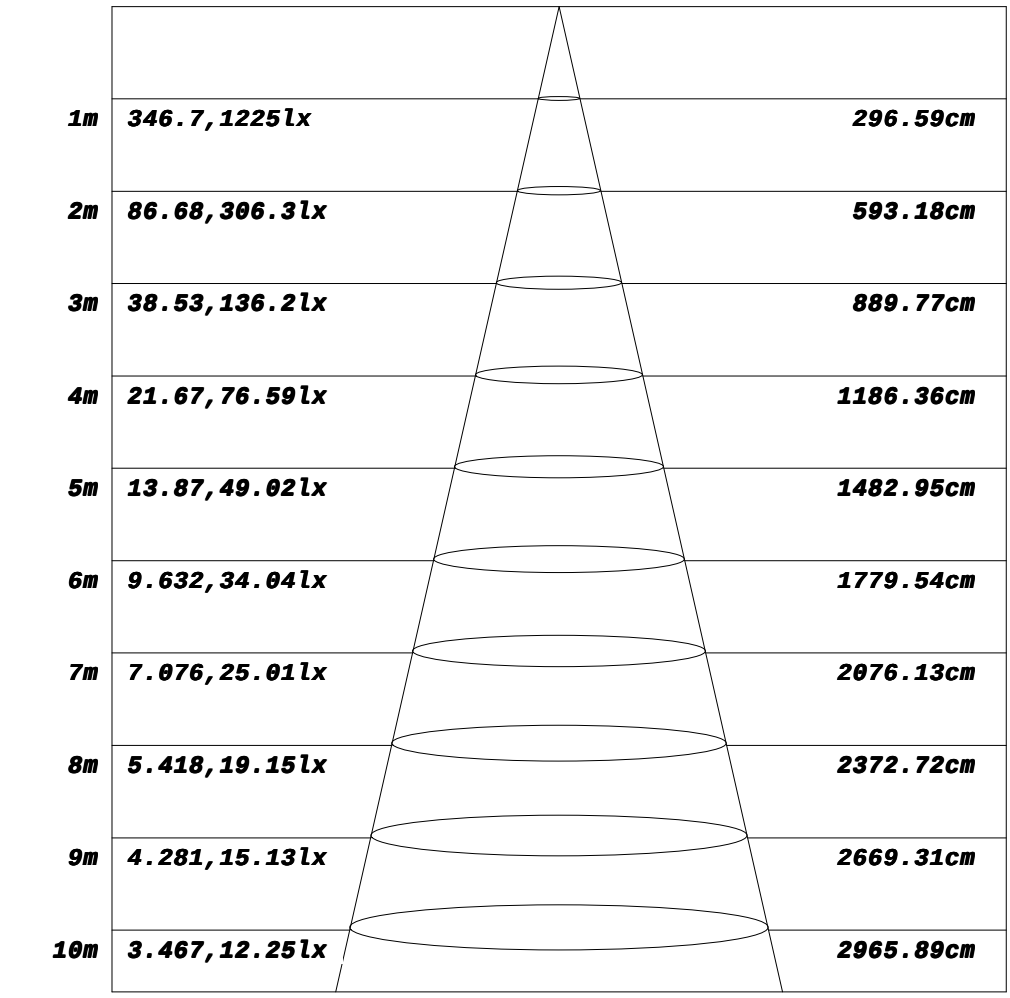
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:***AGT-I782G..-0850(850mA)+DA320/B+***电池，***PCB：A400-12S38P-V1.3,***
灯珠：***Lumileds***（亮锐）普通光效灯珠

AAI Figure

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

Flux out:2583 lm



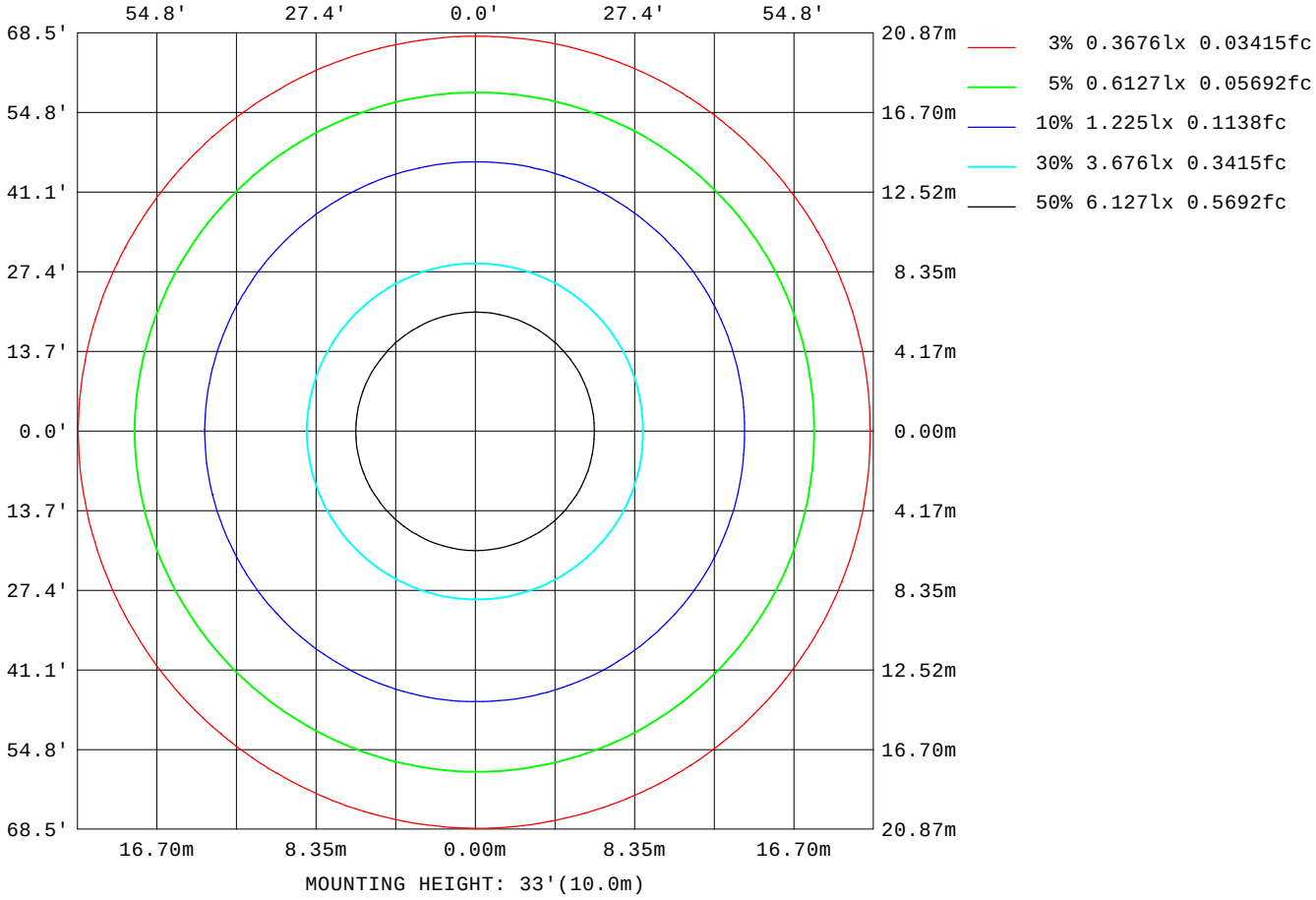
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器***:AGT-I782G..-0850(850mA)+DA320/B+***电池，***PCB：A400-12S38P-V1.3,***
灯珠：***Lumileds***（亮锐）普通光效灯珠

ISOLUX DIAGRAM

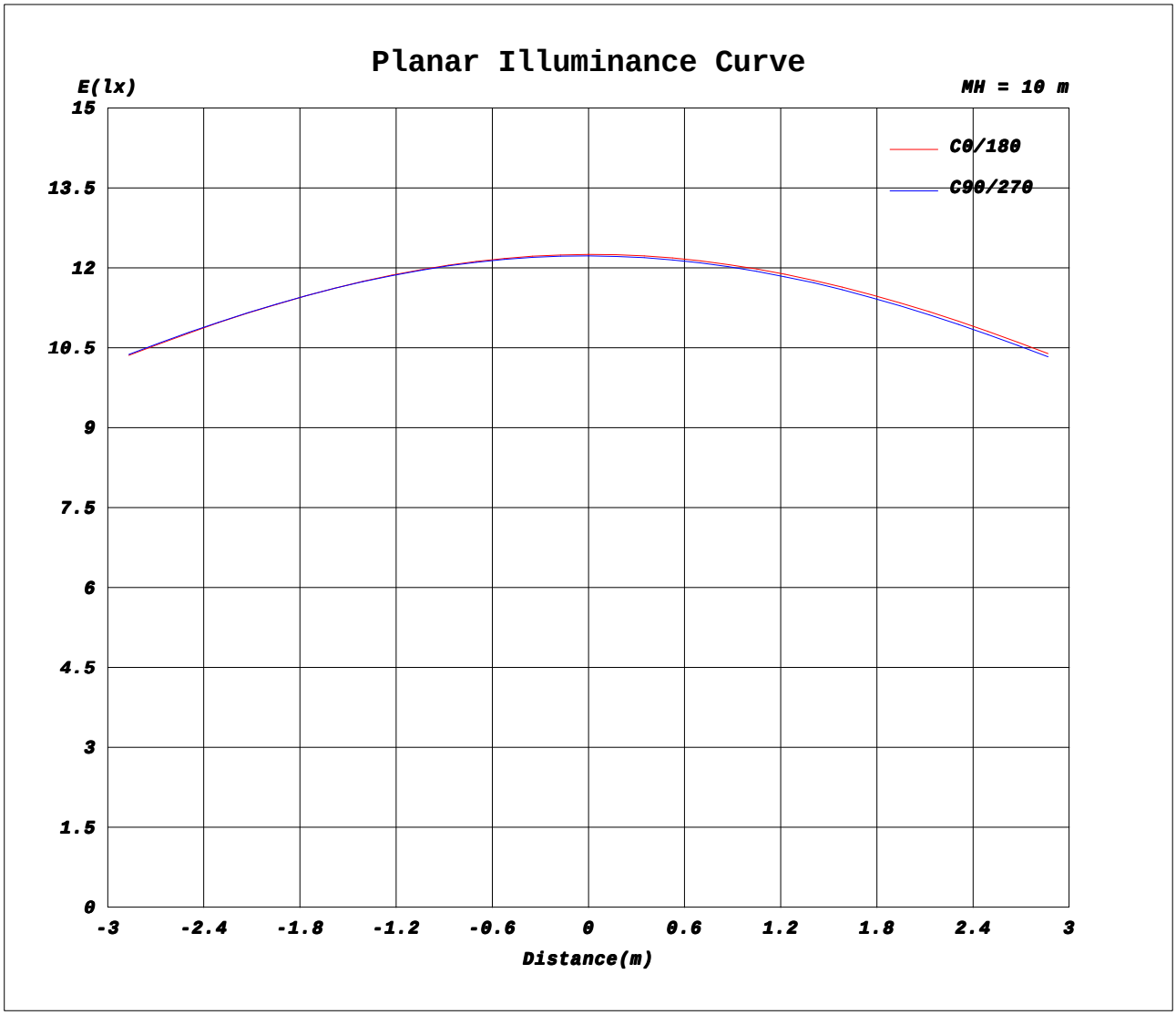
Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:***AGT-I782G..-0850(850mA)+DA320/B+***电池，***PCB: A400-12S38P-V1.3,***
灯珠：***Lumileds***（亮锐）普通光效灯珠

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:AGT-I782G..-0850(850mA)+DA320/B+电池，PCB：A400-12S38P-V1.3，灯珠：Lumileds（亮锐）普通光效灯珠

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.80V I:0.1600A P:33.400W PF:0.9400 Freq:50.00Hz Lamp Flux:3513.07x1 lm		
Name: A400 32W EME 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	1225	1224	1224	1223	1222	1223	1225	1225	1224	1223	1222	1222
5	1219	1219	1219	1218	1216	1218	1220	1218	1217	1216	1216	1216
10	1202	1203	1203	1202	1200	1201	1204	1201	1198	1199	1198	1199
15	1174	1176	1177	1175	1173	1174	1177	1173	1170	1170	1171	1172
20	1135	1138	1139	1138	1134	1135	1139	1134	1131	1131	1132	1134
25	1086	1091	1092	1091	1087	1088	1092	1086	1082	1083	1084	1086
30	1028	1034	1036	1034	1030	1031	1035	1028	1024	1025	1027	1029
35	961	969	971	968	964	965	969	962	958	959	962	963
40	888	896	898	896	891	892	897	889	884	886	889	890
45	806	815	818	814	810	812	817	808	804	807	809	810
50	719	728	731	729	724	726	732	722	717	721	724	724
55	628	637	640	638	632	633	638	629	624	627	631	632
60	530	539	542	540	534	535	541	532	526	528	534	535
65	430	439	442	440	434	434	440	432	427	429	435	436
70	328	337	340	337	332	333	338	330	326	329	334	334
75	228	237	239	237	231	233	239	231	227	230	234	234
80	134	144	145	141	137	139	145	138	134	137	141	141
85	54.8	61.2	62.5	59.8	55.7	57.8	63.7	57.9	55.2	58.3	61.5	60.8
90	6.98	8.39	8.60	7.86	6.32	7.93	11.7	10.4	9.49	10.3	11.8	11.1
95	2.20	2.23	2.22	2.19	1.99	3.29	5.59	5.75	5.58	5.58	5.81	4.86
100	2.18	2.18	2.18	2.17	1.97	3.26	5.52	5.68	5.52	5.52	5.75	4.80
105	2.20	2.19	2.19	2.18	2.00	3.25	5.46	5.62	5.45	5.45	5.68	4.76
110	2.25	2.24	2.23	2.22	2.04	3.26	5.41	5.56	5.40	5.40	5.62	4.73
115	2.32	2.30	2.29	2.29	2.12	3.31	5.40	5.54	5.38	5.39	5.59	4.73
120	2.42	2.41	2.40	2.40	2.23	3.40	5.44	5.57	5.41	5.41	5.61	4.76
125	2.51	2.50	2.50	2.51	2.33	3.45	5.44	5.56	5.40	5.39	5.59	4.78
130	2.61	2.58	2.59	2.60	2.43	3.50	5.40	5.52	5.35	5.34	5.53	4.76
135	2.69	2.64	2.66	2.71	2.52	3.52	5.34	5.44	5.28	5.27	5.44	4.71
140	2.76	2.69	2.75	2.84	2.62	3.53	5.24	5.34	5.18	5.16	5.32	4.65
145	2.83	2.74	2.77	2.85	2.65	3.52	5.12	5.18	5.03	5.04	5.19	4.56
150	2.90	2.83	2.86	2.92	2.76	3.55	4.97	5.02	4.88	4.89	5.01	4.44
155	2.99	2.98	2.98	2.99	2.90	3.59	4.78	4.83	4.73	4.75	4.85	4.34
160	3.16	3.15	3.16	3.17	3.13	3.69	4.62	4.66	4.57	4.57	4.67	4.27
165	3.36	3.35	3.35	3.36	3.33	3.76	4.47	4.49	4.42	4.42	4.51	4.21
170	3.55	3.55	3.55	3.56	3.53	3.83	4.33	4.33	4.27	4.27	4.34	4.15
175	3.75	3.74	3.73	3.72	3.73	3.88	4.12	4.13	4.09	4.09	4.13	4.04
180	3.91	3.91	3.90	3.89	3.91	3.93	3.92	3.91	3.90	3.89	3.91	3.92

C Range: 0 - 360DEG
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