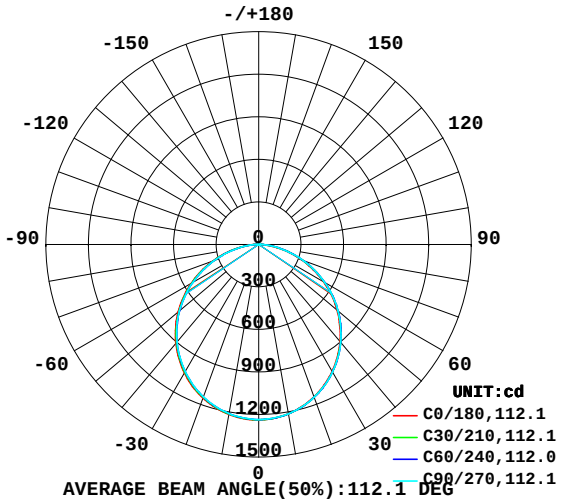
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

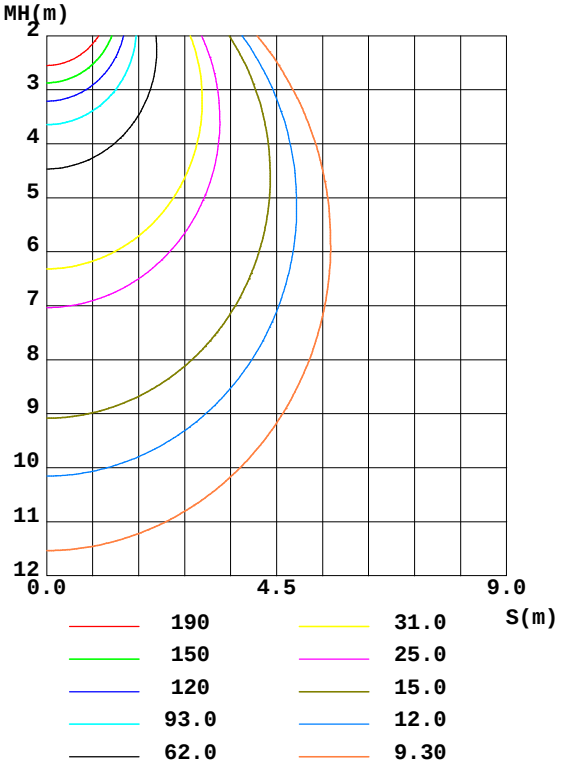
DATA OF LAMP		PHOTOMETRIC DATA Eff: 111.82 lm/W			
MODEL		Imax(cd)	1238	S/MH(C0/180)	1.26
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3544.6	η UP,DN(C0-180)	0.2,49.5
NOMINAL FLUX(lm)	3544.62	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.8
LAMPS INSIDE	1	η up(%)	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: 电源:***AGT-I782G..-0850(850mA),***
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	1212	1213	1212	1211	1217	1212	1210	1209	0- 10	116.8	116.8	3.29,3.29
20	1143	1147	1147	1145	1152	1146	1143	1142	10- 20	334.2	450.9	12.7,12.7
30	1035	1040	1040	1040	1048	1040	1037	1036	20- 30	505.6	956.5	27,27
40	893.0	900.5	900.4	900.4	909.1	899.8	897.0	896.6	30- 40	608.8	1565	44.2,44.2
50	721.8	731.3	730.6	731.5	743.7	732.1	730.7	729.0	40- 50	631.1	2196	62,62
60	529.4	539.5	539.1	540.1	551.7	540.7	537.5	537.9	50- 60	569.8	2766	78,78
70	326.5	336.4	336.8	336.1	347.0	337.9	335.3	336.0	60- 70	433.6	3200	90.3,90.3
80	130.5	140.7	140.3	140.7	150.8	142.0	140.5	141.3	70- 80	249.2	3449	97.3,97.3
90	6.010	7.910	7.706	7.306	12.18	10.50	10.63	10.95	80- 90	70.26	3519	99.3,99.3
100	2.164	2.163	2.155	2.602	5.542	5.626	5.537	5.269	90-100	4.776	3524	99.4,99.4
110	2.235	2.232	2.224	2.648	5.436	5.512	5.428	5.177	100-110	4.100	3528	99.5,99.5
120	2.413	2.403	2.392	2.802	5.463	5.538	5.444	5.191	110-120	3.879	3532	99.6,99.6
130	2.584	2.579	2.577	2.946	5.427	5.494	5.405	5.159	120-130	3.592	3536	99.7,99.7
140	2.707	2.695	2.694	3.032	5.261	5.323	5.244	5.008	130-140	3.115	3539	99.8,99.8
150	2.864	2.851	2.856	3.139	4.983	5.027	4.963	4.753	140-150	2.492	3541	99.9,99.9
160	3.192	3.192	3.185	3.387	4.666	4.677	4.625	4.500	150-160	1.818	3543	100,100
170	3.596	3.588	3.584	3.699	4.346	4.370	4.310	4.255	160-170	1.120	3544	100,100
180	3.952	3.942	3.915	3.939	3.957	3.945	3.925	3.942	170-180	0.3788	3545	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

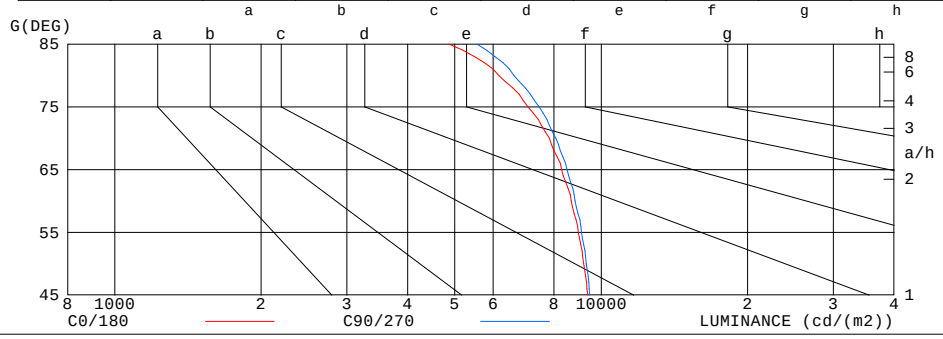
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电源:***AGT-I782G..-0850(850mA),***
PCB:A400-12S38P-V1.3,
灯珠:***Lumileds***（亮锐）普通光效灯珠

LUMINANCE LIMITATION CURVES

Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

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	4872	5561
80	6159	6621
75	7073	7455
70	7825	8072
65	8295	8513
60	8679	8837
55	8976	9112
50	9205	9317
45	9384	9477

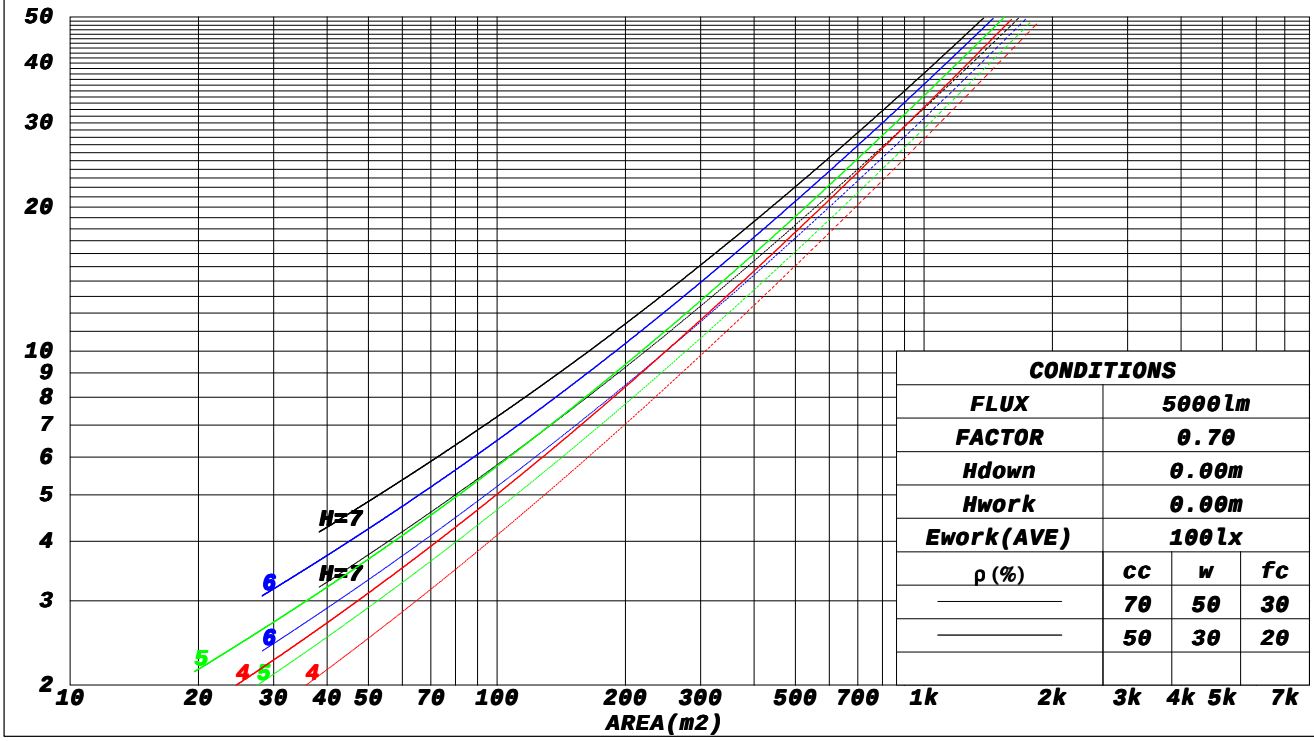
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

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: 电源:***AGT-I782G..-0850(850mA),***
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:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 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	.78	.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: 电源:AGT-I782G..-0850(850mA),
PCB:A400-12S38P-V1.3,
灯珠:Lumileds（亮锐）普通光效灯珠

WEC AND CCEC

Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 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	.048	.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	.217	.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	.103	.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	.162	.107	.064	.139	.092	.055	.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	.128	.070	.031	.111	.061	.027	.077	.043	.019	.045	.025	.011	.014	.008	.004	
10.0	.123	.066	.028	.106	.057	.024	.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: 电源:AGT-I782G..-0850(850mA),
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:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 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	19.7	21.4	20.1	21.7	22.0	19.8	21.4	20.1	21.7	22.1
3H	21.5	23.0	21.9	23.3	23.7	21.6	23.1	22.0	23.4	23.8
4H	22.2	23.5	22.6	23.9	24.3	22.3	23.6	22.7	24.0	24.4
6H	22.6	23.9	23.0	24.3	24.7	22.7	24.0	23.2	24.4	24.8
8H	22.8	24.0	23.2	24.4	24.8	22.9	24.1	23.3	24.5	24.9
12H	22.8	24.0	23.3	24.4	24.9	23.0	24.2	23.4	24.6	25.0
4H 2H	20.4	21.8	20.8	22.1	22.5	20.4	21.8	20.8	22.2	22.6
3H	22.4	23.6	22.8	24.0	24.4	22.4	23.6	22.9	24.0	24.4
4H	23.2	24.2	23.6	24.6	25.1	23.2	24.3	23.7	24.7	25.2
6H	23.8	24.7	24.2	25.1	25.6	23.8	24.8	24.3	25.2	25.7
8H	23.9	24.8	24.4	25.3	25.7	24.0	24.9	24.5	25.4	25.8
12H	24.1	24.8	24.5	25.3	25.8	24.2	25.0	24.7	25.4	25.9
8H 4H	23.5	24.4	24.0	24.8	25.3	23.5	24.4	24.0	24.9	25.3
6H	24.2	24.9	24.7	25.4	25.9	24.3	25.0	24.8	25.5	26.0
8H	24.5	25.1	25.0	25.6	26.1	24.5	25.2	25.1	25.7	26.2
12H	24.6	25.2	25.2	25.7	26.3	24.8	25.3	25.3	25.8	26.4
12H 4H	23.5	24.3	24.0	24.8	25.3	23.6	24.4	24.1	24.8	25.3
6H	24.3	24.9	24.8	25.4	25.9	24.3	25.0	24.9	25.5	26.0
8H	24.6	25.1	25.1	25.6	26.2	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: 电源:AGT-I782G..-0850(850mA),
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灯珠:Lumileds（亮锐）普通光效灯珠

UTILIZATION FACTORS TABLE

Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
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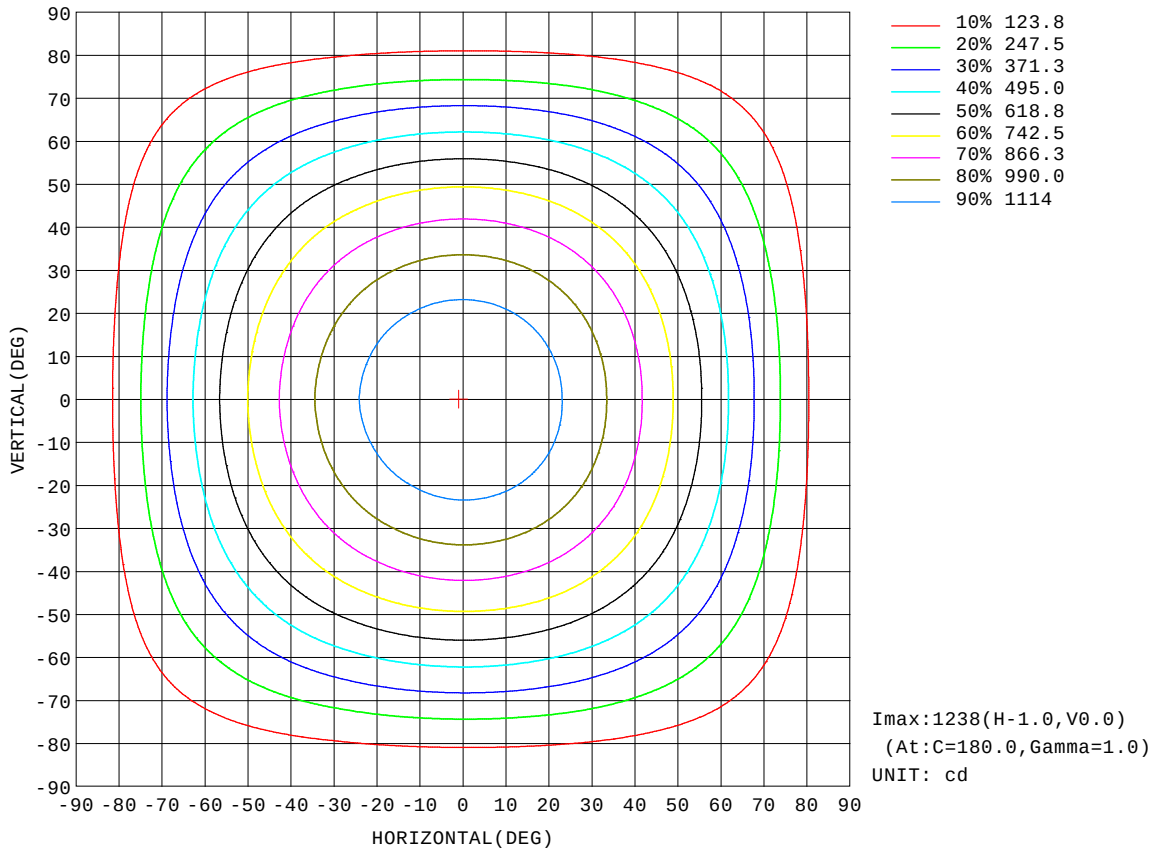
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
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: 电源:AGT-I782G..-0850(850mA),
PCB:A400-12S38P-V1.3,
灯珠:Lumileds（亮锐）普通光效灯珠

ISOCANDELA DIAGRAM

Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	

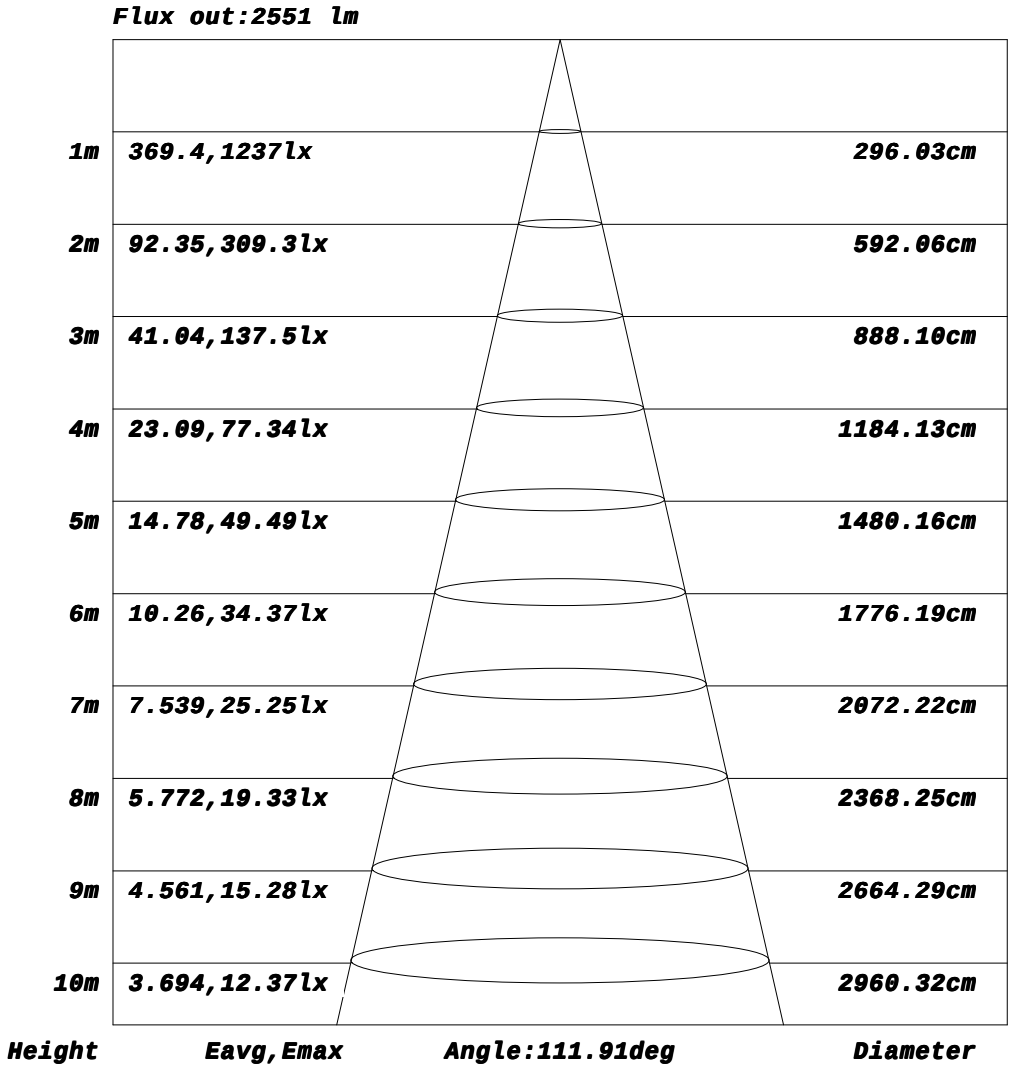


C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电源***:AGT-I782G..-0850(850mA),***
PCB:A400-12S38P-V1.3,
灯珠***:Lumileds***（亮锐）普通光效灯珠

AAI Figure

Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
	SUR.: Φ395（mm）	



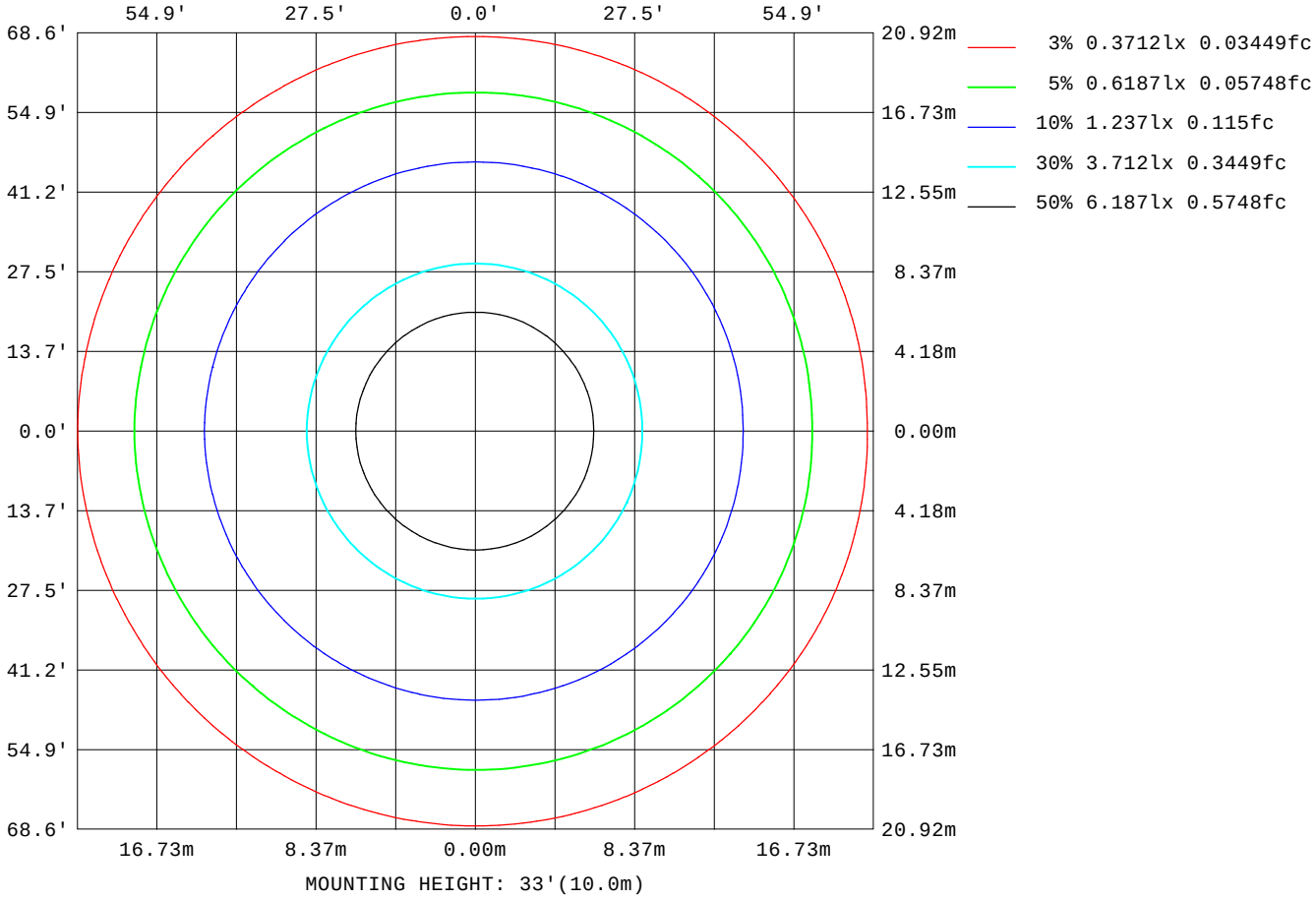
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: 电源:AGT-I782G..-0850(850mA),
PCB:A400-12S38P-V1.3,
灯珠:Lumileds（亮锐）普通光效灯珠

ISOLUX DIAGRAM

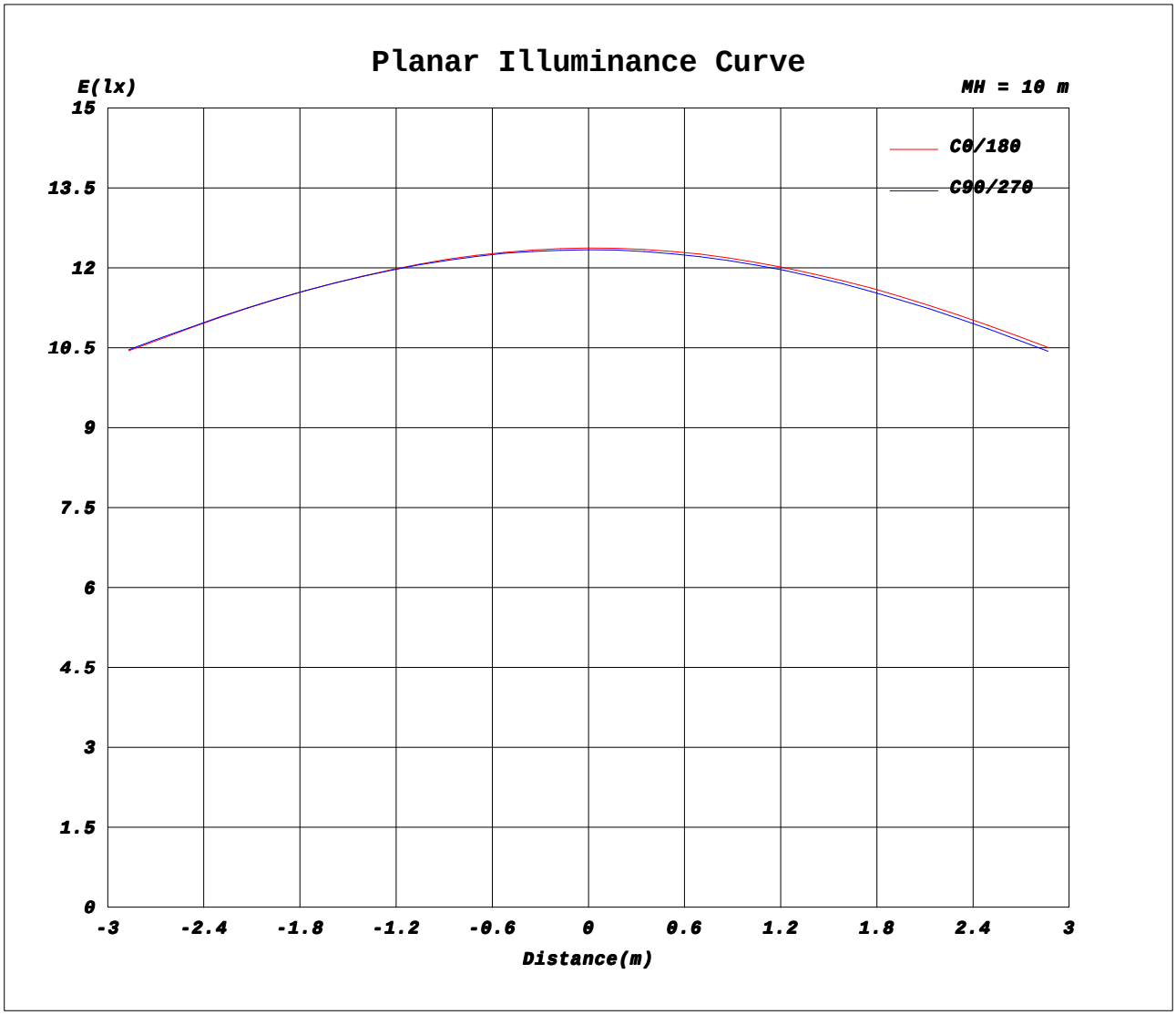
Test:U:220.80V I:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 3000K(Black)	Type: 圆柱形	
MFR.:	DIM.: Φ400*62（mm）	
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C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test 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: 电源***:AGT-I782G..-0850(850mA),***
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: 电源:AGT-I782G..-0850(850mA),
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:0.1480A P:31.700W PF:0.9690 Freq:50.00Hz Lamp Flux:3544.62x1 lm		
Name: A400 32W 000 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	1237	1236	1235	1234	1233	1234	1237	1237	1235	1234	1233	1234
5	1231	1230	1230	1229	1227	1229	1233	1231	1228	1228	1227	1227
10	1212	1213	1213	1212	1210	1213	1217	1214	1211	1210	1209	1209
15	1183	1185	1185	1185	1183	1185	1190	1186	1183	1182	1181	1181
20	1143	1146	1147	1147	1144	1147	1152	1148	1144	1143	1142	1142
25	1094	1098	1099	1098	1096	1099	1105	1100	1095	1095	1095	1095
30	1035	1039	1041	1040	1038	1042	1048	1042	1038	1037	1037	1036
35	967	973	975	974	972	976	983	976	971	970	971	970
40	893	900	902	900	898	902	909	902	897	897	897	896
45	809	818	820	818	816	821	829	821	816	817	817	815
50	722	730	733	731	729	734	744	735	729	731	730	728
55	628	637	639	638	636	641	650	642	636	636	637	635
60	529	538	541	539	537	543	552	544	538	538	539	537
65	428	437	440	439	436	441	450	443	437	436	439	437
70	326	335	338	337	334	338	347	341	335	335	337	335
75	223	233	237	235	233	237	246	239	234	234	236	234
80	130	139	142	140	138	143	151	144	140	141	143	140
85	51.8	57.8	59.9	59.1	56.8	60.1	66.8	61.7	58.4	59.8	61.6	59.5
90	6.01	7.66	8.16	7.71	6.39	8.23	12.2	11.0	10.0	10.6	11.6	10.3
95	2.17	2.16	2.19	2.22	1.98	3.28	5.61	5.77	5.60	5.60	5.82	4.85
100	2.16	2.16	2.16	2.16	1.95	3.25	5.54	5.71	5.54	5.54	5.75	4.79
105	2.19	2.19	2.18	2.18	1.98	3.25	5.48	5.65	5.48	5.47	5.68	4.75
110	2.23	2.23	2.23	2.22	2.03	3.26	5.44	5.59	5.43	5.43	5.63	4.72
115	2.31	2.31	2.30	2.29	2.11	3.31	5.43	5.58	5.42	5.42	5.61	4.73
120	2.41	2.41	2.40	2.39	2.21	3.39	5.46	5.62	5.46	5.44	5.62	4.76
125	2.50	2.50	2.49	2.49	2.31	3.45	5.46	5.61	5.46	5.43	5.61	4.78
130	2.58	2.58	2.58	2.58	2.40	3.49	5.43	5.57	5.42	5.40	5.56	4.76
135	2.65	2.64	2.64	2.63	2.47	3.52	5.36	5.49	5.35	5.34	5.48	4.71
140	2.71	2.70	2.69	2.69	2.54	3.52	5.26	5.39	5.26	5.24	5.37	4.65
145	2.76	2.75	2.75	2.76	2.61	3.52	5.13	5.25	5.13	5.12	5.22	4.54
150	2.86	2.85	2.85	2.86	2.73	3.55	4.98	5.08	4.97	4.96	5.05	4.45
155	3.01	3.01	3.01	3.01	2.90	3.61	4.84	4.89	4.80	4.81	4.89	4.37
160	3.19	3.19	3.19	3.18	3.10	3.67	4.67	4.72	4.63	4.63	4.70	4.30
165	3.39	3.39	3.39	3.38	3.32	3.75	4.51	4.56	4.49	4.47	4.53	4.23
170	3.60	3.59	3.59	3.58	3.55	3.84	4.35	4.40	4.34	4.31	4.35	4.16
175	3.77	3.77	3.76	3.75	3.75	3.90	4.16	4.20	4.16	4.13	4.15	4.06
180	3.95	3.95	3.93	3.92	3.93	3.95	3.96	3.95	3.94	3.93	3.94	3.95

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