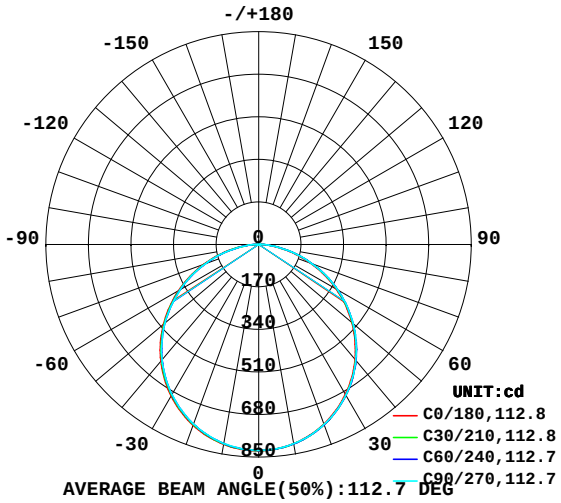
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

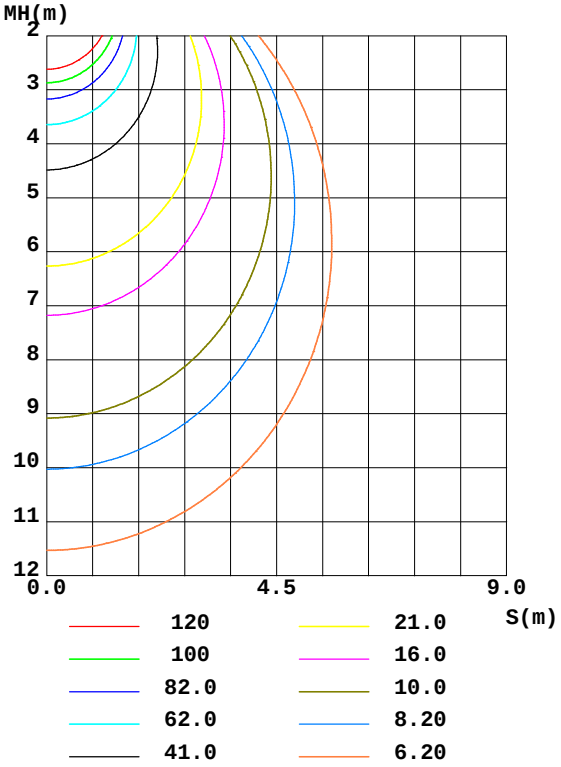
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 108.80 lm/W	
MODEL		Imax(cd)	824.4	S/MH(C0/180)	1.26
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2382.8	η UP,DN(C0-180)	0.2,49.6
NOMINAL FLUX(lm)	2382.76	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.5,49.7
LAMPS INSIDE	1	η up(%)	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%):112.7 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-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	808.4	809.2	808.6	807.9	810.9	808.3	807.4	806.5	0- 10	77.87	77.87	3.27,3.27
20	763.8	765.9	765.6	764.7	768.7	764.8	763.3	763.1	10- 20	222.9	300.8	12.6,12.6
30	692.7	696.7	696.2	695.6	700.1	694.9	693.3	693.5	20- 30	337.9	638.7	26.8,26.8
40	599.4	604.7	604.2	603.7	608.4	602.6	601.7	601.3	30- 40	407.7	1046	43.9,43.9
50	486.6	491.4	492.4	491.0	497.3	491.0	489.6	490.2	40- 50	423.6	1470	61.7,61.7
60	359.2	364.7	365.5	364.2	370.3	364.1	362.8	363.5	50- 60	383.5	1853	77.8,77.8
70	222.0	228.9	228.5	228.2	234.6	228.5	228.1	228.2	60- 70	293.8	2147	90.1,90.1
80	90.54	97.17	96.24	97.05	103.6	97.50	96.91	97.28	70- 80	170.4	2318	97.3,97.3
90	3.036	3.965	4.355	4.581	7.537	6.160	6.189	6.109	80- 90	48.25	2366	99.3,99.3
100	1.449	1.443	1.443	1.762	3.780	3.780	3.705	3.531	90-100	3.112	2369	99.4,99.4
110	1.499	1.492	1.493	1.796	3.718	3.708	3.633	3.466	100-110	2.760	2372	99.5,99.5
120	1.622	1.608	1.611	1.899	3.739	3.718	3.643	3.485	110-120	2.611	2374	99.6,99.6
130	1.736	1.734	1.727	2.008	3.742	3.690	3.609	3.462	120-130	2.422	2377	99.7,99.7
140	1.812	1.824	1.838	2.064	3.594	3.560	3.489	3.358	130-140	2.101	2379	99.8,99.8
150	1.925	1.933	2.015	2.135	3.405	3.362	3.308	3.196	140-150	1.684	2381	99.9,99.9
160	2.150	2.148	2.150	2.283	3.129	3.139	3.100	3.034	150-160	1.224	2382	100,100
170	2.426	2.409	2.409	2.491	2.917	2.921	2.895	2.866	160-170	0.7526	2383	100,100
180	2.635	2.627	2.609	2.629	2.634	2.620	2.608	2.633	170-180	0.2539	2383	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

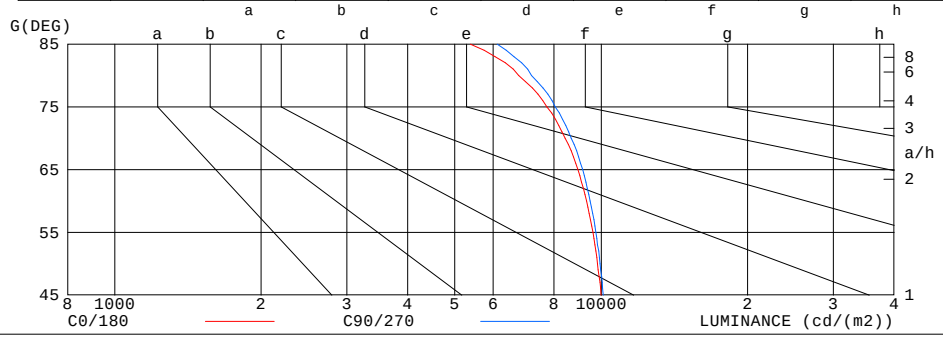
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7125]
Remarks: 电器:***AGT-I781g-0550(550mA)+DA320/B*** +电池，***PCB:A320-2X12S24P-V7.0***，***LED:Lumileds***（亮锐）普通光效灯珠，***0.2W 4000K***

LUMINANCE LIMITATION CURVES

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

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	5388	6115
80	6771	7198
75	7736	8052
70	8428	8675
65	8957	9169
60	9330	9494
55	9616	9757
50	9832	9948
45	9996	10093

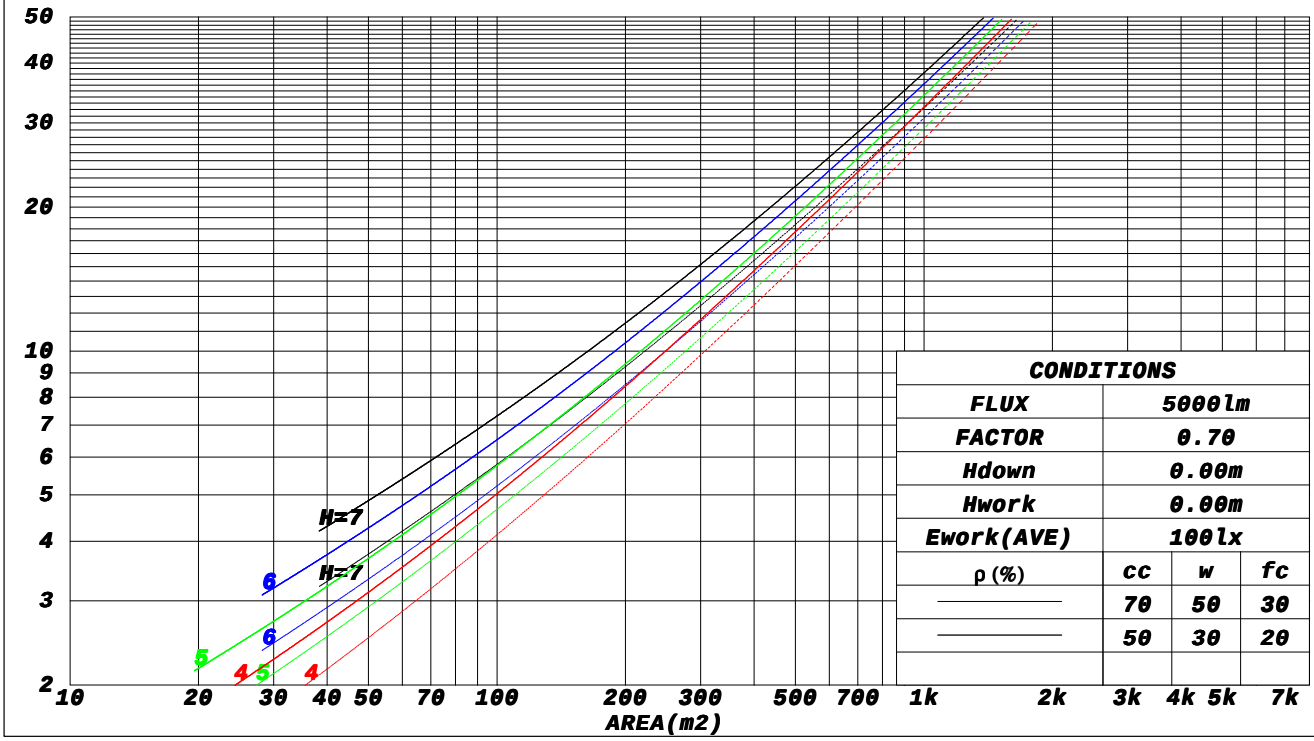
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

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-I781g-0550(550mA)+DA320/B*** ***+电池，PCB:A320-2X12S24P-V7.0，*** ***LED:Lumileds***（亮锐）普通光效灯珠，***0.2W 4000K***

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

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	.77	.88	.82	.76	.84	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.71	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.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	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.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-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

WEC AND CCEC

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

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	.312	.178	.056	.305	.174	.055	.291	.167	.053	.279	.161	.052	.267	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.253	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.218	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.108	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.099	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.095	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.152	.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	.048	.058	.042	.029	.019	.014	.009	
4.0	.163	.107	.064	.140	.092	.055	.096	.064	.039	.056	.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	.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: 电器:AGT-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

UGR(Unified Glare Rating) Table

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

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	20.0	21.6	20.4	22.0	22.3	20.0	21.6	20.4	22.0	22.3
3H	21.8	23.3	22.2	23.6	24.0	21.8	23.3	22.2	23.7	24.0
4H	22.5	23.8	22.9	24.2	24.6	22.5	23.9	22.9	24.3	24.7
6H	22.9	24.2	23.4	24.6	25.0	23.0	24.3	23.5	24.7	25.1
8H	23.1	24.3	23.5	24.7	25.1	23.2	24.4	23.6	24.8	25.2
12H	23.2	24.3	23.6	24.7	25.2	23.3	24.5	23.7	24.9	25.3
4H 2H	20.6	22.0	21.1	22.4	22.8	20.7	22.1	21.1	22.4	22.8
3H	22.7	23.8	23.1	24.3	24.7	22.7	23.9	23.1	24.3	24.7
4H	23.5	24.5	23.9	25.0	25.4	23.5	24.6	24.0	25.0	25.5
6H	24.1	25.0	24.5	25.5	25.9	24.1	25.1	24.6	25.5	26.0
8H	24.3	25.1	24.7	25.6	26.1	24.3	25.2	24.8	25.7	26.2
12H	24.4	25.2	24.9	25.7	26.1	24.5	25.3	25.0	25.8	26.2
8H 4H	23.8	24.7	24.3	25.1	25.6	23.8	24.7	24.3	25.2	25.6
6H	24.5	25.3	25.0	25.8	26.2	24.6	25.3	25.1	25.8	26.3
8H	24.8	25.4	25.3	26.0	26.5	24.9	25.5	25.4	26.0	26.5
12H	25.0	25.6	25.5	26.1	26.6	25.1	25.6	25.6	26.2	26.7
12H 4H	23.8	24.6	24.3	25.1	25.6	23.9	24.7	24.4	25.1	25.6
6H	24.6	25.3	25.1	25.7	26.3	24.7	25.3	25.2	25.8	26.3
8H	24.9	25.5	25.4	26.0	26.6	25.0	25.5	25.5	26.1	26.6
CIE190: 2010										

CIE190: 2010
Area: 0.077 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-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

UTILIZATION FACTORS TABLE

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

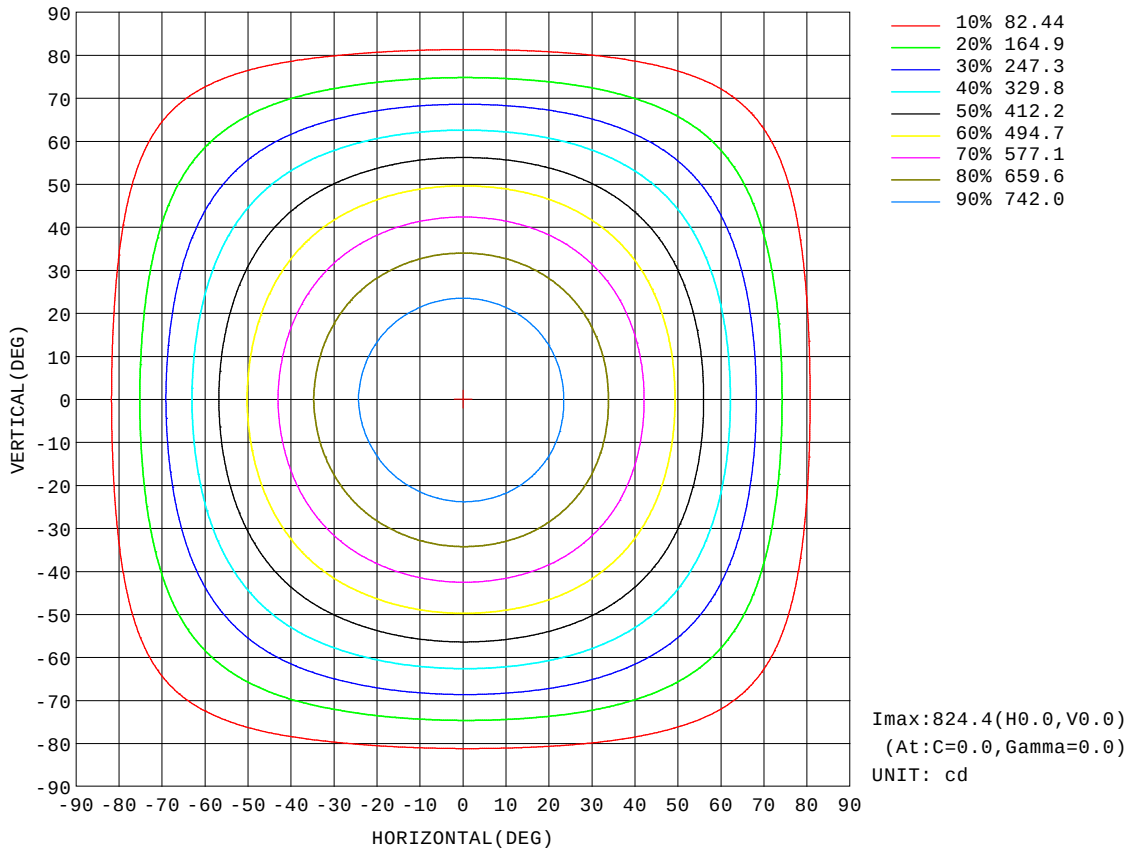
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	98	91	84	96	89	84	92	86	82	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	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%
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Remarks: 电器:AGT-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

ISOCANDELA DIAGRAM

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

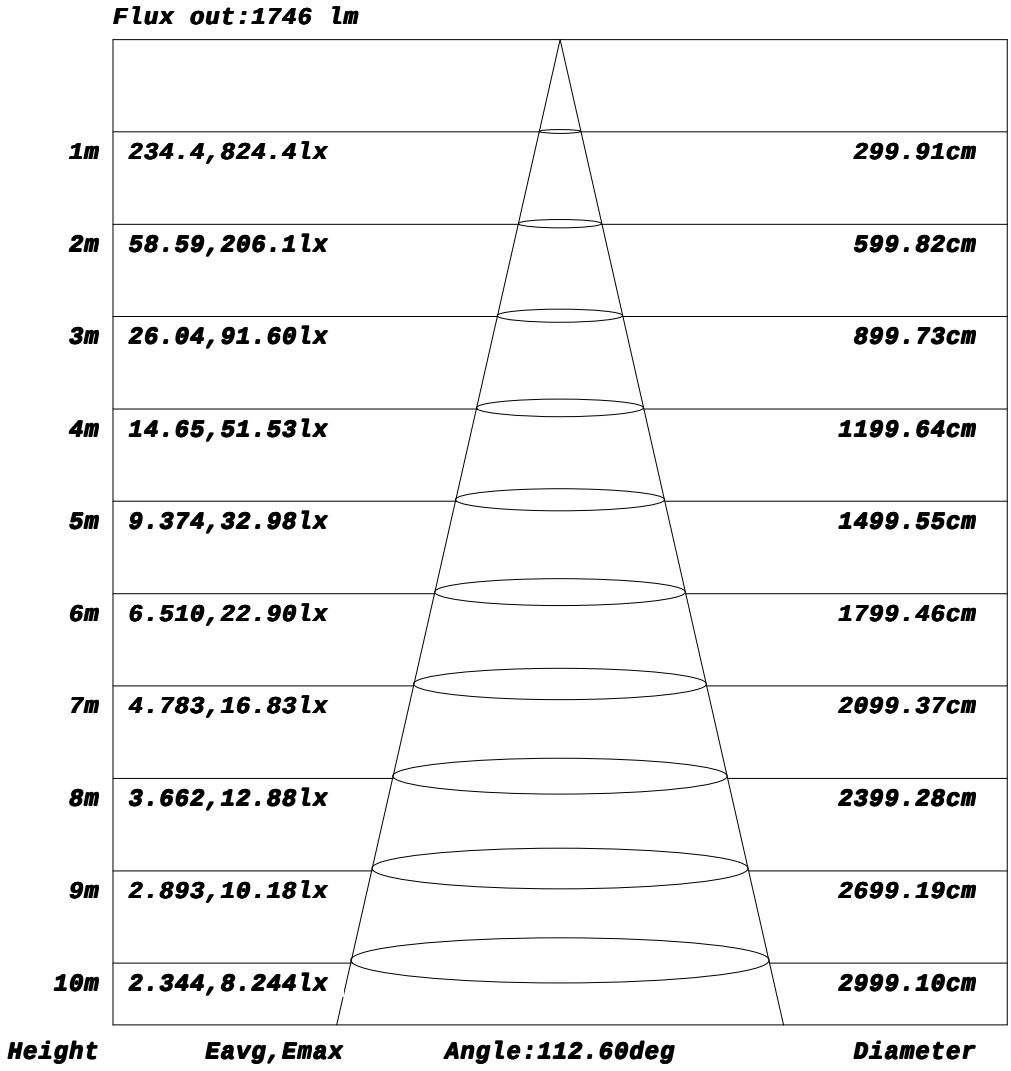


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-10

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-I781g-0550(550mA)+DA320/B*** +电池，***PCB:A320-2X12S24P-V7.0***，***LED:Lumileds***（亮锐）普通光效灯珠，***0.2W 4000K***

AAI Figure

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	



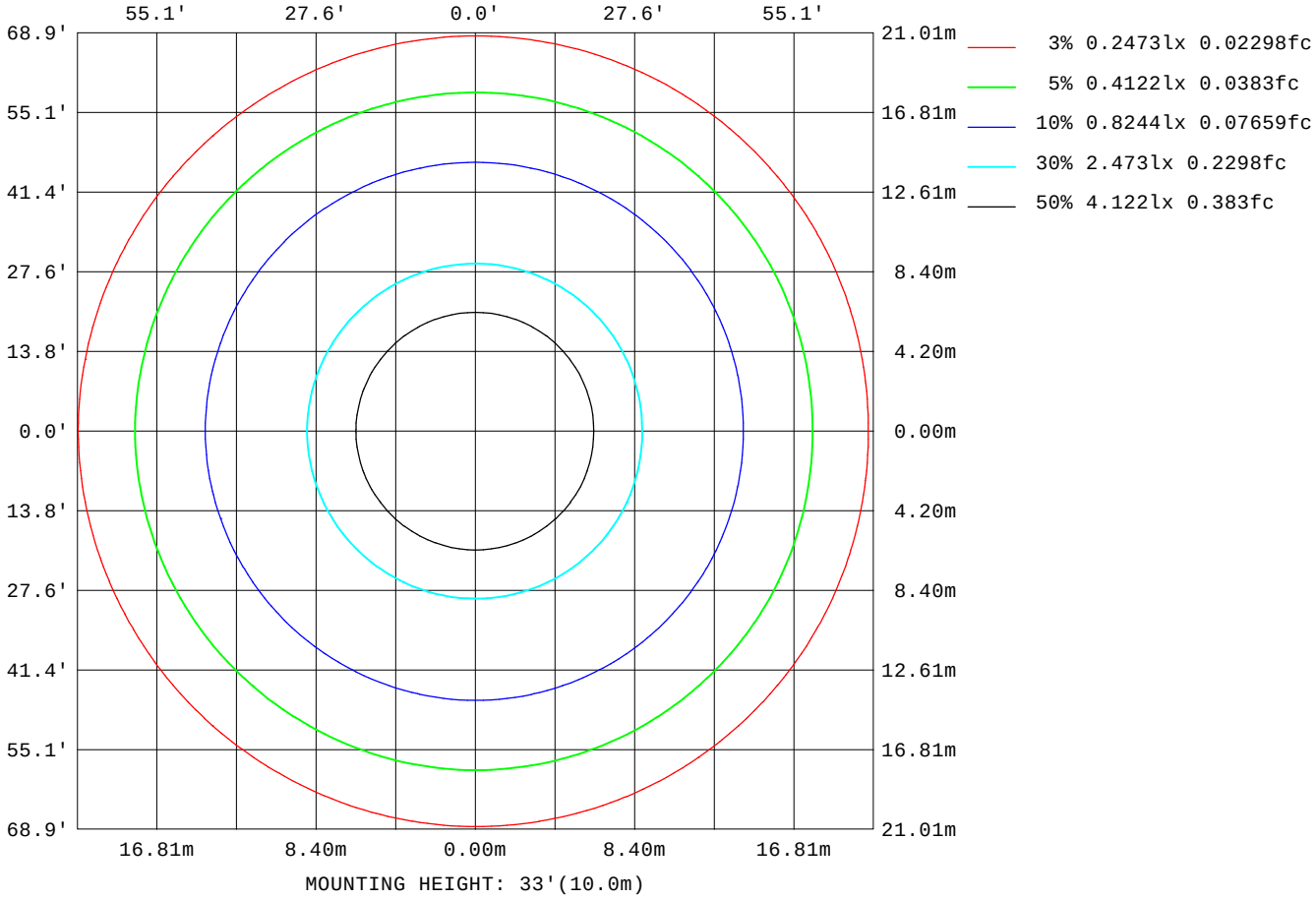
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

ISOLUX DIAGRAM

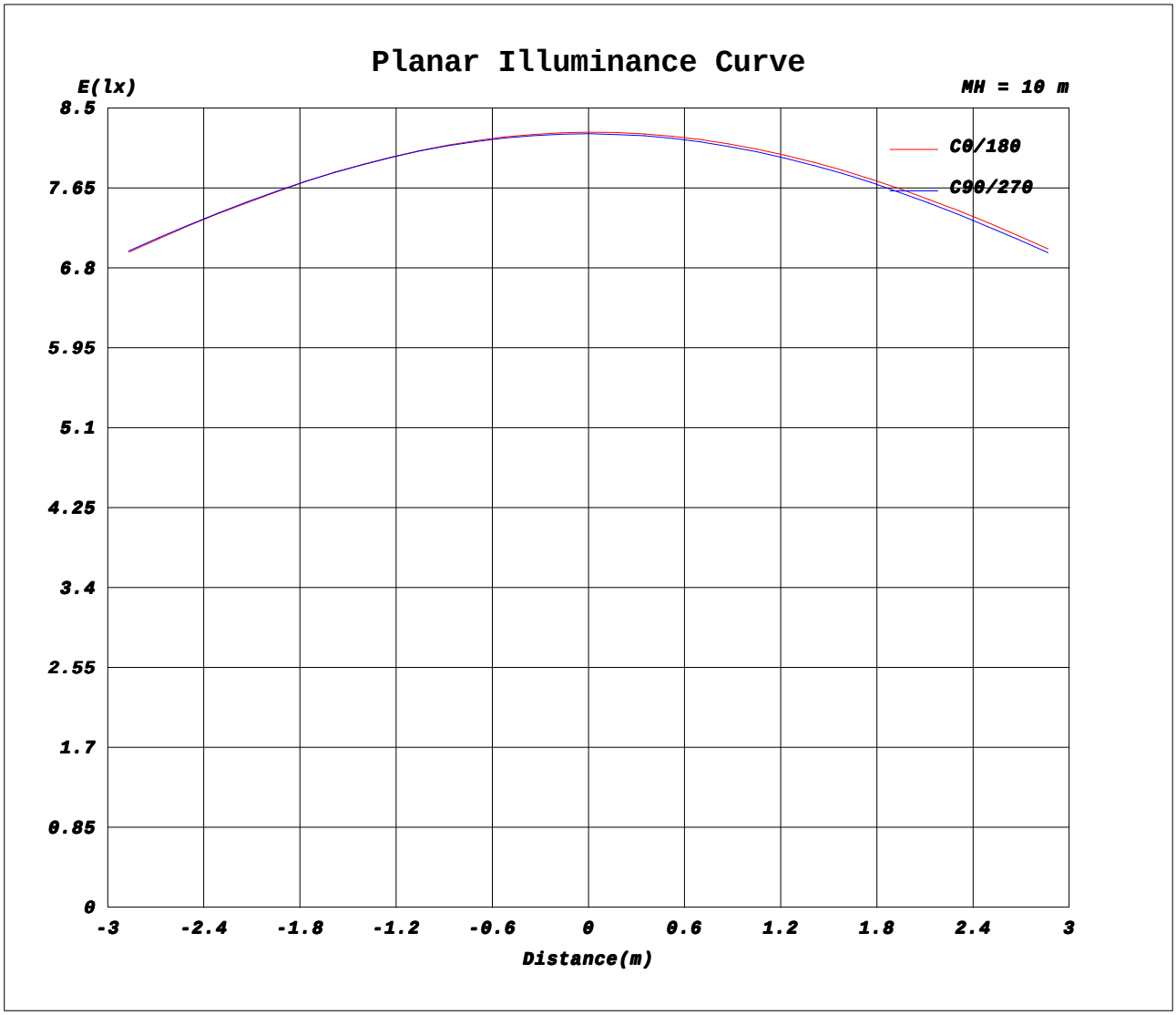
Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	



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-I781g-0550(550mA)+DA320/B*** +电池，***PCB:A320-2X12S24P-V7.0,*** ***LED:Lumileds***（亮锐）普通光效灯珠，***0.2W 4000K***

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-I781g-0550(550mA)+DA320/B +电池, PCB:A320-2X12S24P-V7.0, LED:Lumileds（亮锐）普通光效灯珠, 0.2W 4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.90V I:0.1060A P:21.900W PF:0.9330 Freq:50.00Hz Lamp Flux:2382.76x1 lm		
Name: A320 22W EME 4000K	Type: 圆柱形	
MFR.:	DIM.: Φ320*57mm	
	SUR.: Φ315mm	

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0	824	824	823	823	822	823	824	824	823	823	822	822
5	820	820	820	819	818	819	821	820	819	819	818	818
10	808	809	809	809	807	808	811	809	808	807	806	807
15	789	791	791	790	789	790	793	791	789	788	788	788
20	764	766	766	766	764	765	769	766	764	763	763	763
25	731	734	735	734	733	734	737	734	732	732	731	731
30	693	696	697	696	695	696	700	696	694	693	694	693
35	649	653	654	653	651	653	657	653	650	650	650	650
40	599	604	605	604	603	605	608	604	601	602	602	601
45	544	551	552	550	548	551	556	551	547	547	548	547
50	487	490	492	492	490	492	497	493	489	490	491	490
55	425	429	431	431	428	430	435	431	427	427	429	428
60	359	364	366	366	363	365	370	366	362	363	364	363
65	291	296	299	298	296	298	303	299	296	296	298	297
70	222	228	230	228	227	230	235	230	227	228	229	227
75	154	160	162	160	159	162	167	163	160	162	162	160
80	90.5	96.5	97.9	96.2	95.4	98.7	104	99.0	96.0	96.9	98.1	96.4
85	36.2	40.1	41.6	41.0	39.7	42.3	46.8	42.9	40.7	41.9	42.5	40.8
90	3.04	3.74	4.19	4.35	3.94	5.22	7.54	6.51	5.81	6.19	6.55	5.67
95	1.45	1.44	1.45	1.45	1.31	2.19	3.75	3.88	3.77	3.75	3.89	3.24
100	1.45	1.44	1.44	1.44	1.31	2.21	3.78	3.85	3.71	3.70	3.85	3.21
105	1.47	1.46	1.46	1.46	1.34	2.21	3.74	3.81	3.67	3.67	3.81	3.19
110	1.50	1.49	1.49	1.49	1.37	2.22	3.72	3.78	3.64	3.63	3.77	3.16
115	1.55	1.54	1.54	1.54	1.41	2.26	3.73	3.78	3.63	3.62	3.75	3.17
120	1.62	1.61	1.61	1.61	1.49	2.31	3.74	3.79	3.65	3.64	3.77	3.20
125	1.68	1.67	1.67	1.66	1.55	2.37	3.78	3.80	3.64	3.64	3.76	3.21
130	1.74	1.74	1.73	1.73	1.62	2.40	3.74	3.76	3.62	3.61	3.73	3.20
135	1.78	1.79	1.79	1.78	1.67	2.40	3.68	3.71	3.57	3.57	3.68	3.17
140	1.81	1.82	1.83	1.84	1.73	2.40	3.59	3.62	3.50	3.49	3.60	3.12
145	1.86	1.86	1.90	1.94	1.79	2.39	3.50	3.53	3.41	3.41	3.50	3.06
150	1.92	1.91	1.96	2.02	1.87	2.40	3.41	3.42	3.31	3.31	3.39	3.00
155	2.03	2.03	2.02	2.02	1.97	2.44	3.24	3.28	3.21	3.20	3.28	2.95
160	2.15	2.15	2.15	2.15	2.10	2.47	3.13	3.17	3.11	3.10	3.17	2.90
165	2.29	2.28	2.28	2.28	2.24	2.53	3.02	3.06	3.01	3.00	3.05	2.85
170	2.43	2.41	2.41	2.41	2.39	2.59	2.92	2.94	2.90	2.90	2.93	2.80
175	2.53	2.53	2.52	2.51	2.51	2.62	2.79	2.80	2.77	2.75	2.78	2.72
180	2.64	2.63	2.62	2.61	2.62	2.63	2.63	2.63	2.61	2.61	2.63	2.64

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