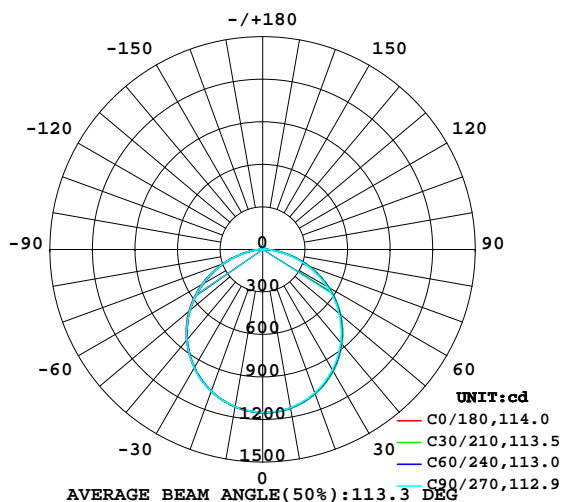


LUMINAIRE PHOTOMETRIC TEST REPORT

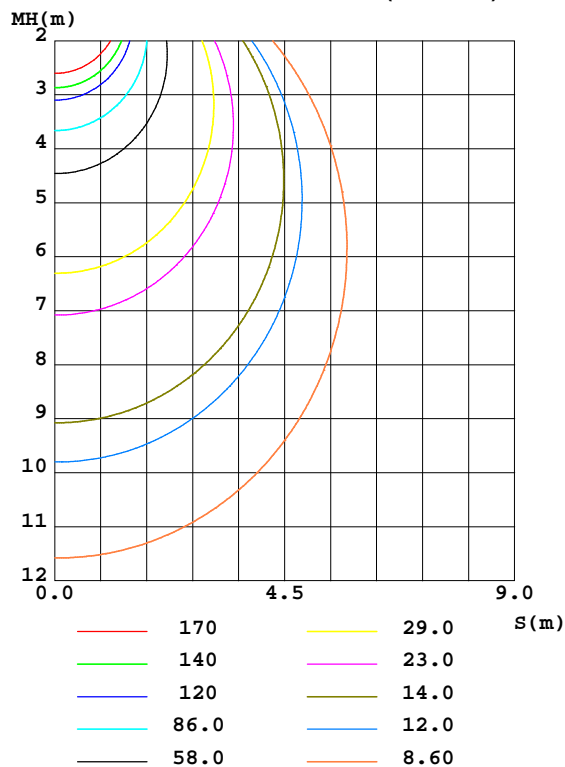
Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 62$ (mm)	
	SUR.: $\phi 395$ (mm)	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 129.36 lm/W			
MODEL		Imax(cd)	1153	S/MH(C0/180)	1.28
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3415.1	η UP,DN(C0-180)	1.3,49.7
NOMINAL FLUX(lm)	3415.06	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.4,47.6
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.7	η down(%)	97.3	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

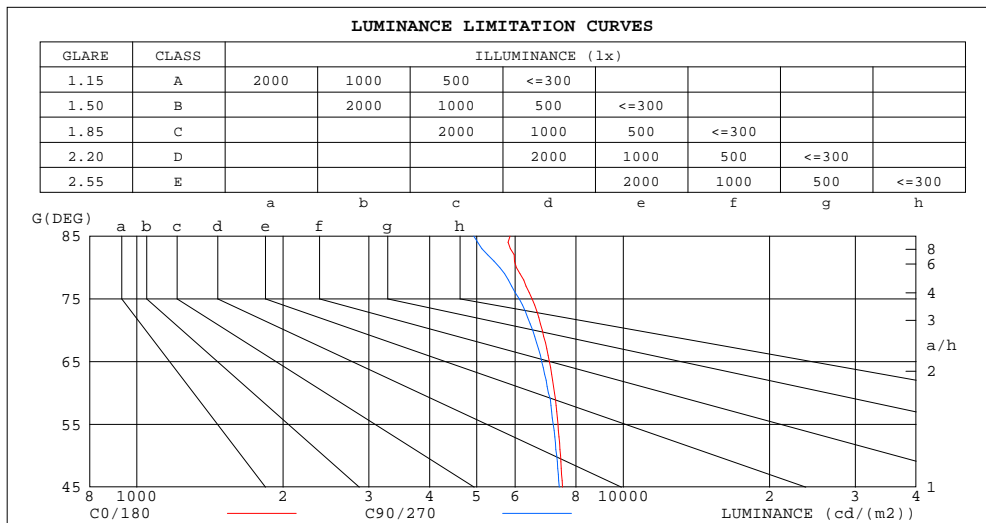
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1137	1136	1133	1128	1128	1125	1125	1130	0- 10	108.8	108.8	3.19,3.19
20	1083	1082	1076	1068	1065	1062	1065	1072	10- 20	311.9	420.8	12.3,12.3
30	991.5	990.3	982.5	971.1	966.2	961.6	965.6	978.3	20- 30	473.6	894.4	26.2,26.2
40	868.0	866.7	857.1	842.8	836.3	829.0	832.6	850.7	30- 40	572.6	1467	43,43
50	716.8	714.9	703.7	687.2	681.7	670.1	672.6	696.0	40- 50	596.3	2063	60.4,60.4
60	541.7	539.6	526.2	508.6	498.2	485.7	489.9	514.6	50- 60	540.6	2604	76.2,76.2
70	349.8	347.3	334.3	316.1	304.9	292.0	294.4	321.2	60- 70	412.5	3016	88.3,88.3
80	157.0	156.4	145.2	129.4	121.2	110.2	108.1	134.4	70- 80	236.1	3253	95.2,95.2
90	17.03	21.49	16.67	13.48	12.07	11.40	11.53	16.44	80- 90	69.32	3322	97.3,97.3
100	9.109	9.334	8.862	9.497	11.59	11.18	11.00	10.89	90-100	11.36	3333	97.6,97.6
110	11.41	11.18	11.27	11.54	13.46	13.15	13.01	12.82	100-110	11.81	3345	97.9,97.9
120	13.56	13.35	13.48	13.68	15.37	15.12	14.98	14.79	110-120	13.14	3358	98.3,98.3
130	15.48	15.28	15.39	15.54	17.16	16.98	16.83	16.67	120-130	13.64	3372	98.7,98.7
140	17.34	17.17	17.26	17.34	18.86	18.68	18.55	18.41	130-140	13.18	3385	99.1,99.1
150	19.46	19.28	19.40	19.36	20.52	20.29	20.25	20.06	140-150	11.81	3397	99.5,99.5
160	21.78	21.59	21.71	21.57	22.21	21.95	22.02	21.80	150-160	9.596	3406	99.7,99.7
170	23.68	23.45	23.52	23.37	23.67	23.43	23.53	23.33	160-170	6.407	3413	99.9,99.9
180	24.37	24.12	24.22	24.02	24.39	24.12	24.20	24.01	170-180	2.268	3415	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:2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

LUMINANCE LIMITATION CURVES

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 62$ (mm)	
	SUR.: $\phi 395$ (mm)	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5851	4934
80	6029	5575
75	6495	6113
70	6818	6516
65	7053	6803
60	7223	7015
55	7347	7182
50	7434	7298
45	7502	7390

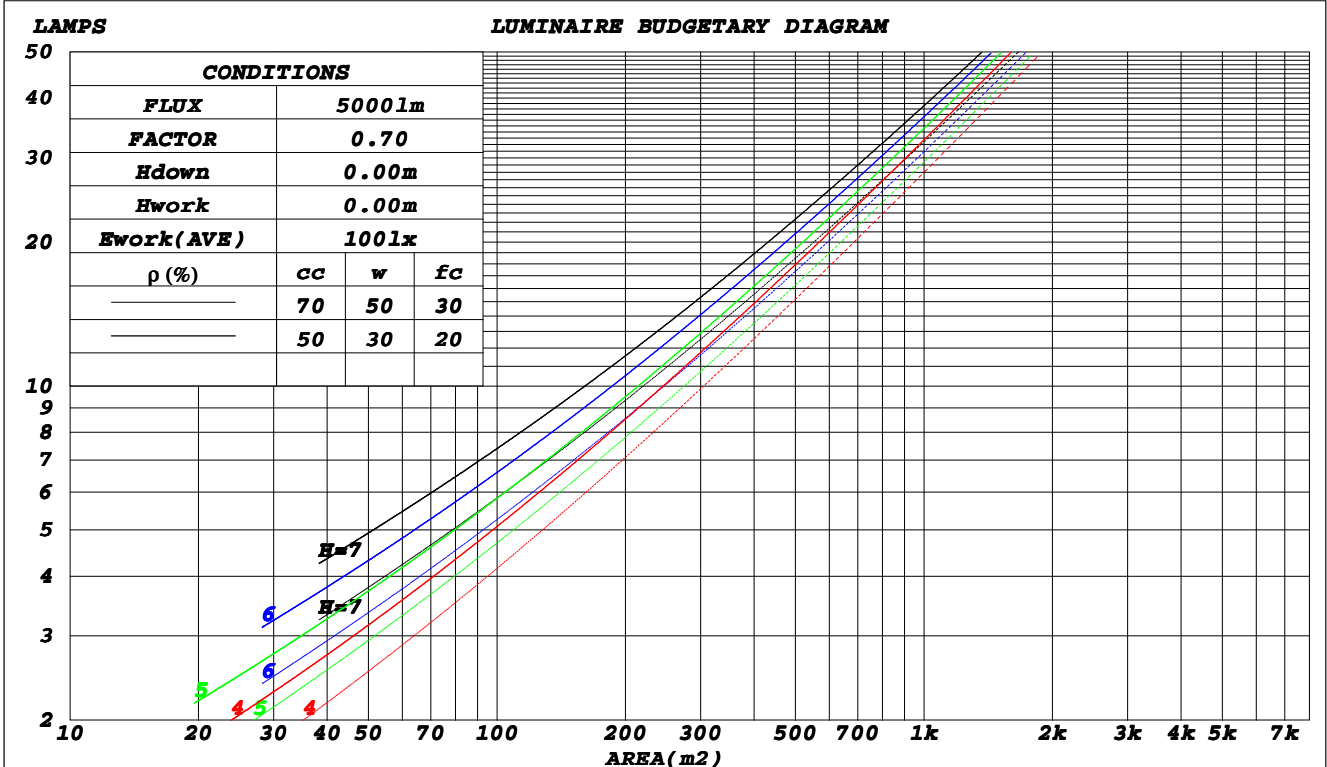
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz		
Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 62$ (mm)	
	SUR.: $\phi 395$ (mm)	

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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.70	.65	.60	.67	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.45	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.38	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.36	.31	.42	.36	.31	.41	.35	.30	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

WEC AND CCEC

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz		
Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 62$ (mm)	
	SUR.: $\phi 395$ (mm)	

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	.311	.177	.056	.303	.173	.055	.289	.166	.053	.275	.159	.051	.263	.152	.049		
2.0	.292	.160	.049	.285	.157	.048	.272	.151	.047	.260	.146	.046	.249	.141	.044		
3.0	.270	.144	.043	.264	.141	.043	.252	.137	.042	.241	.132	.041	.231	.128	.040		
4.0	.249	.129	.038	.244	.127	.038	.233	.124	.037	.223	.120	.036	.214	.117	.035		
5.0	.230	.117	.034	.225	.116	.034	.216	.112	.033	.207	.109	.033	.199	.106	.032		
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.193	.100	.029	.186	.098	.029		
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.180	.092	.027	.173	.090	.026		
8.0	.185	.091	.025	.182	.090	.025	.175	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.174	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.153	.078	.022		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.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	.211	.211	.211	.181	.181	.181	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.201	.177	.155	.172	.152	.134	.118	.105	.092	.068	.061	.054	.022	.019	.017	
2.0	.193	.153	.119	.166	.132	.103	.114	.091	.072	.065	.053	.042	.021	.017	.014	
3.0	.186	.136	.096	.159	.117	.083	.109	.081	.058	.063	.047	.034	.020	.015	.011	
4.0	.178	.122	.080	.153	.106	.069	.105	.074	.049	.061	.043	.029	.020	.014	.009	
5.0	.171	.112	.069	.147	.097	.060	.101	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.164	.104	.061	.141	.090	.053	.097	.063	.037	.056	.037	.022	.018	.012	.007	
7.0	.157	.097	.055	.135	.084	.048	.093	.059	.034	.054	.035	.020	.017	.011	.007	
8.0	.150	.091	.050	.129	.079	.044	.090	.055	.031	.052	.033	.019	.017	.011	.006	
9.0	.144	.086	.047	.124	.075	.041	.086	.053	.029	.050	.031	.017	.016	.010	.006	
10.0	.139	.082	.044	.120	.071	.038	.083	.050	.027	.048	.030	.016	.016	.010	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

UGR(Unified Glare Rating) Table

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm										
NAME: A400 28W 000 4000K					TYPE: 圆柱形					
MFR.:					DIM.: $\Phi 400 \times 62$ (mm)					
					SUR.: $\Phi 395$ (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	19.1	20.7	19.6	21.1	21.5	18.8	20.4	19.2	20.8	21.2
3H	21.1	22.5	21.5	22.9	23.3	20.7	22.1	21.1	22.5	22.9
4H	21.8	23.2	22.3	23.6	24.0	21.4	22.8	21.8	23.2	23.6
6H	22.4	23.6	22.8	24.1	24.5	21.9	23.2	22.4	23.6	24.1
8H	22.6	23.8	23.1	24.2	24.7	22.1	23.3	22.6	23.7	24.2
12H	22.7	23.9	23.2	24.3	24.8	22.2	23.4	22.7	23.8	24.3
4H 2H	19.8	21.1	20.2	21.6	22.0	19.4	20.8	19.9	21.2	21.6
3H	21.9	23.1	22.4	23.5	24.0	21.5	22.6	22.0	23.1	23.6
4H	22.8	23.9	23.3	24.3	24.8	22.3	23.4	22.8	23.8	24.3
6H	23.6	24.4	24.0	24.9	25.5	23.0	23.9	23.5	24.4	24.9
8H	23.8	24.7	24.3	25.1	25.7	23.2	24.0	23.7	24.5	25.1
12H	24.0	24.8	24.5	25.3	25.8	23.4	24.1	23.9	24.7	25.2
8H 4H	23.2	24.0	23.7	24.5	25.0	22.6	23.5	23.1	24.0	24.5
6H	24.0	24.7	24.6	25.3	25.8	23.4	24.1	23.9	24.6	25.2
8H	24.4	25.0	24.9	25.6	26.1	23.7	24.3	24.2	24.8	25.4
12H	24.7	25.2	25.2	25.8	26.4	23.9	24.5	24.5	25.0	25.6
12H 4H	23.2	24.0	23.7	24.5	25.0	22.6	23.4	23.2	23.9	24.5
6H	24.1	24.7	24.7	25.2	25.8	23.4	24.1	24.0	24.6	25.2
8H	24.5	25.1	25.1	25.6	26.2	23.8	24.3	24.3	24.9	25.5
CIE190: 2010										

CIE190: 2010
Area: 0.15 m²

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

UTILIZATION FACTORS TABLE

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 62$ (mm)	
	SUR.: $\phi 395$ (mm)	

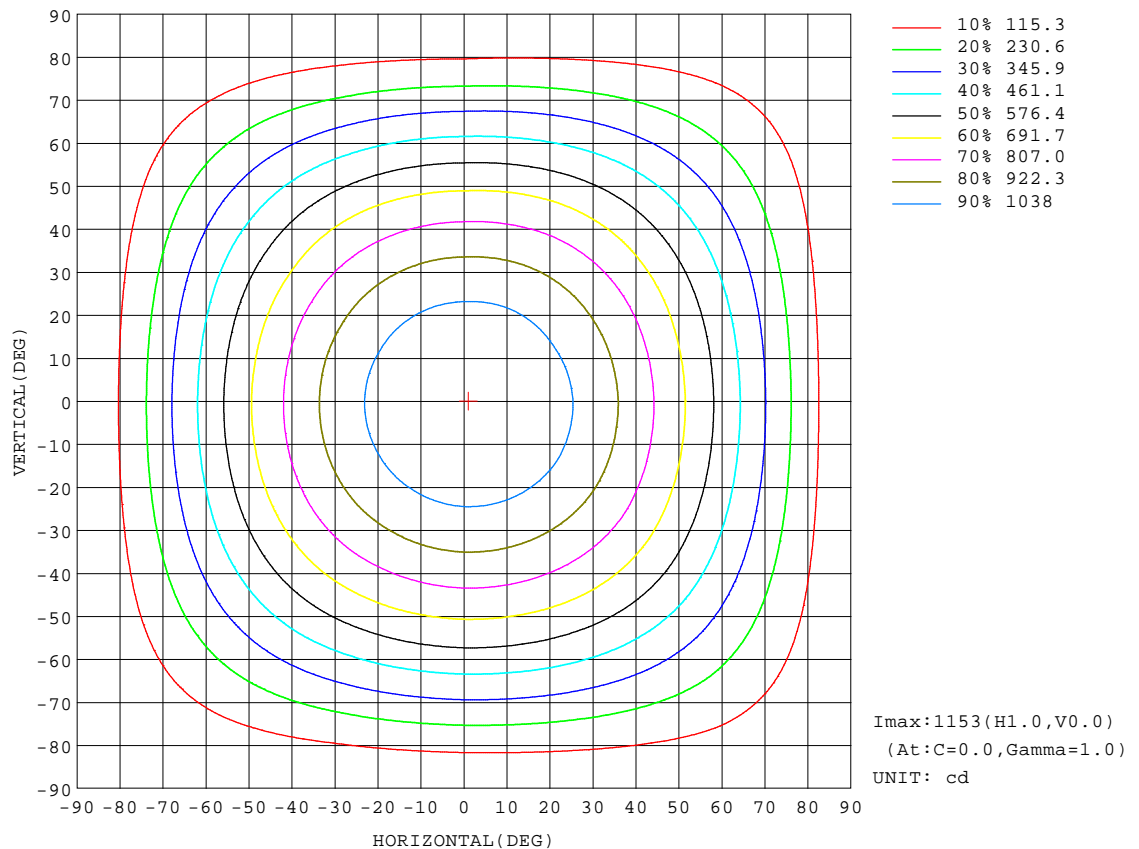
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	45	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	71	64	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	91	85	81	72
3.00	101	94	89	99	93	87	94	89	85	76
4.00	105	100	95	103	98	93	98	94	90	80
5.00	108	103	99	105	101	97	100	97	93	83
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: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

ISOCANDELA DIAGRAM

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\Phi 400 \times 62$ (mm)	
	SUR.: $\Phi 395$ (mm)	



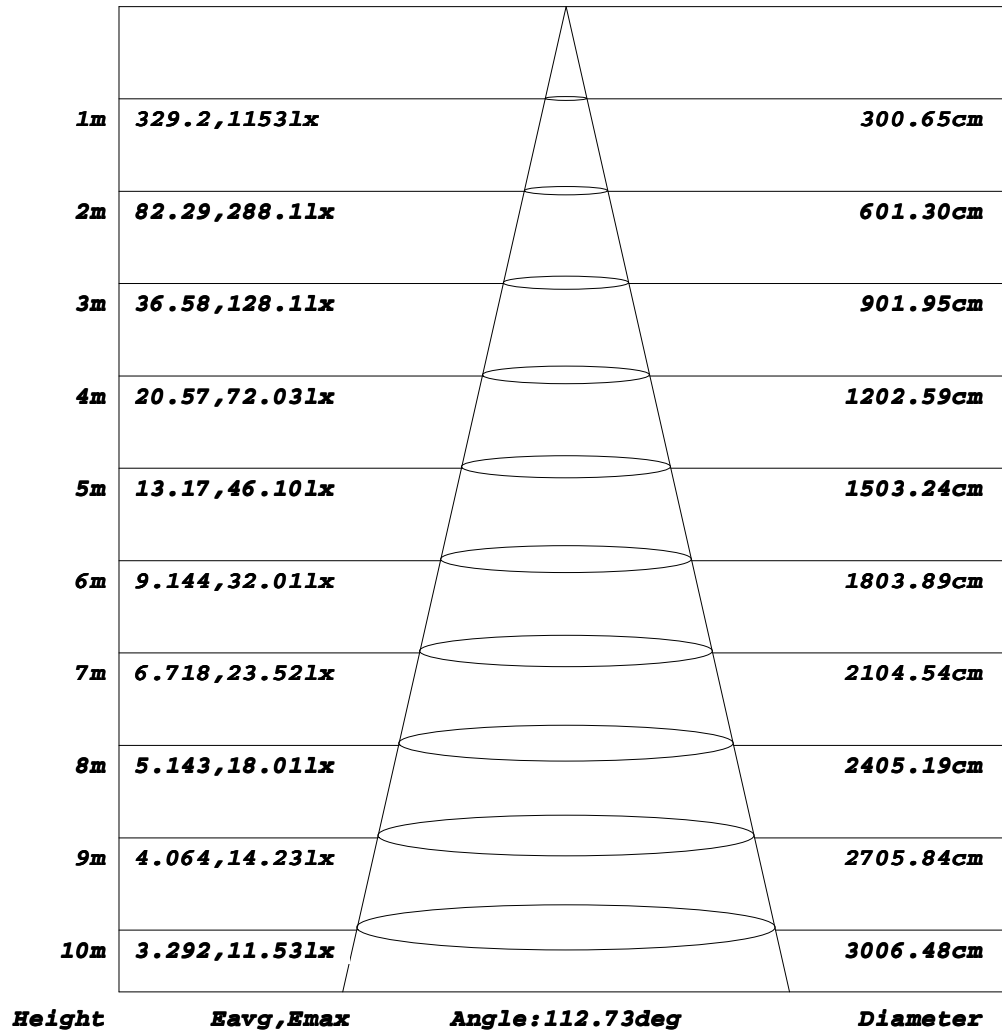
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

AAI Figure

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\Phi 400 \times 62$ (mm)	
	SUR.: $\Phi 395$ (mm)	

Flux out:2452 lm



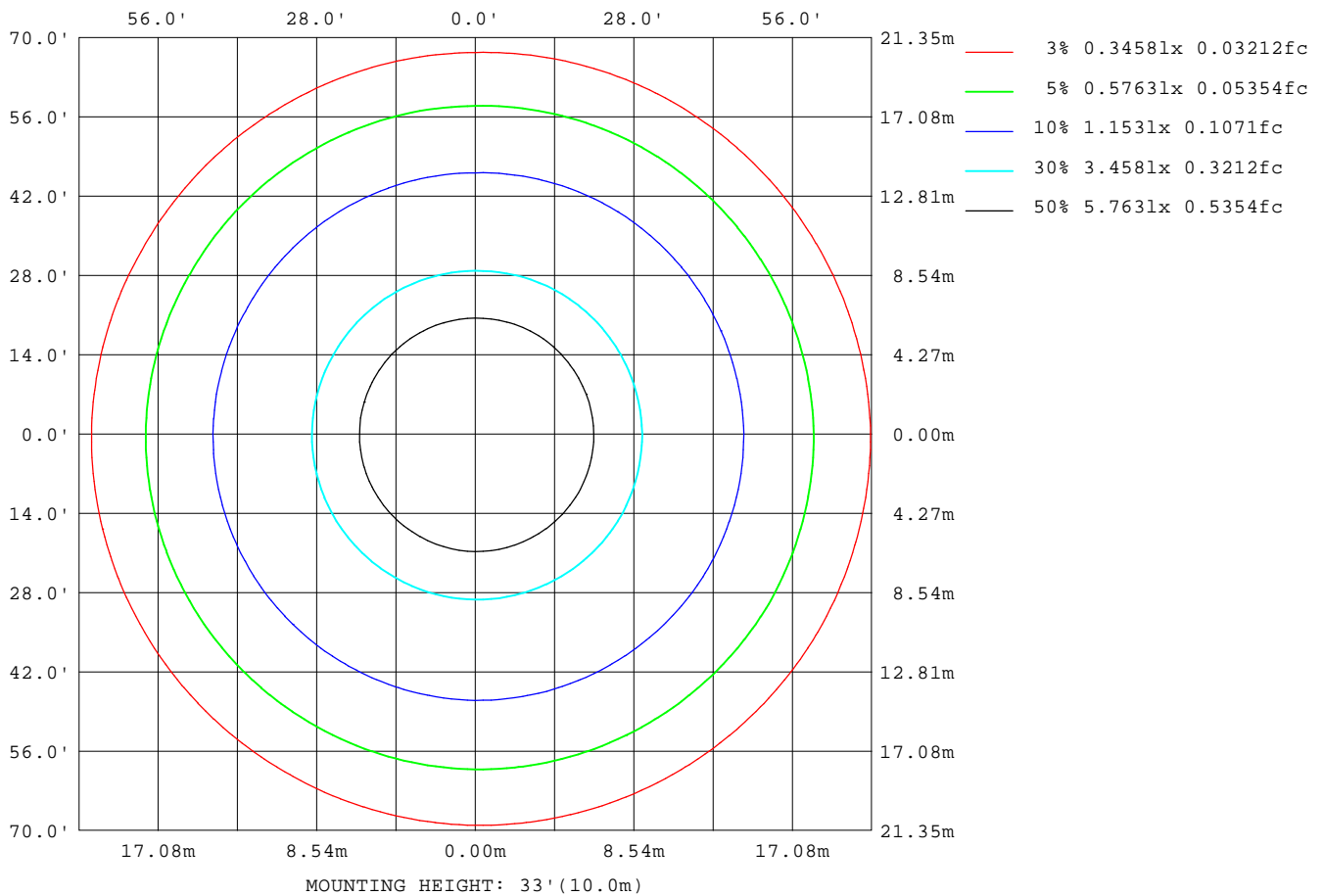
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

ISOLUX DIAGRAM

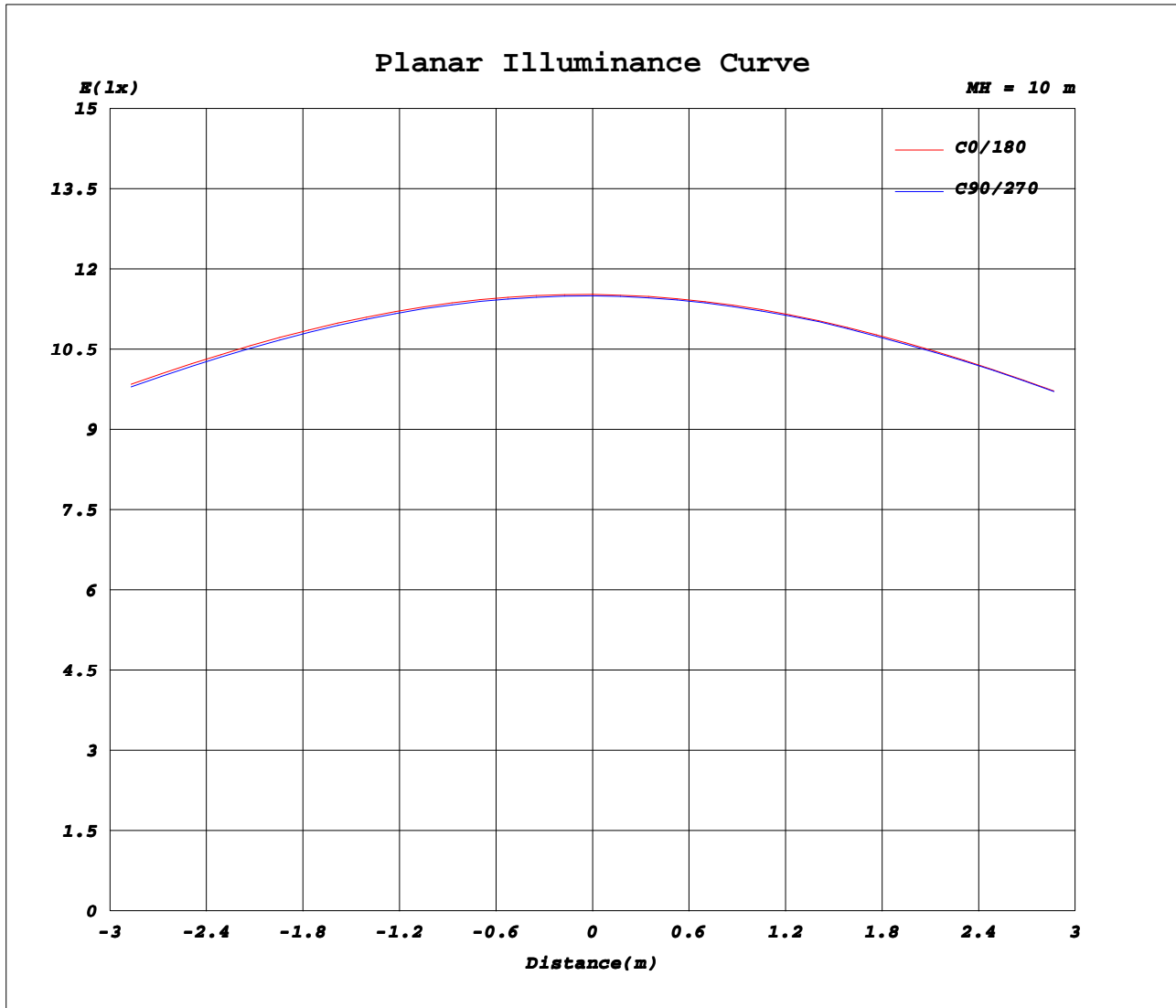
Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\Phi 400 \times 62$ (mm)	
	SUR.: $\Phi 395$ (mm)	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-06-05

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=0.7063]
Remarks: 电源: BK-PLL040-0700, PCB: A400-12S38P-V
灯珠: HL-A-2835H431W-S1-08-HR3, 0.2W

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.80V I:0.1220A P:26.400W PF:0.9740 Freq:50.00Hz Lamp Flux:3415.06x1 lm		
NAME: A400 28W 000 4000K	TYPE: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 62$ (mm)	
	SUR.: $\phi 395$ (mm)	

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	1153	1152	1151	1150	1149	1149	1153	1152	1151	1150	1149	1149							
5	1150	1149	1148	1146	1144	1142	1145	1143	1143	1143	1144	1144							
10	1137	1137	1135	1133	1129	1126	1128	1124	1126	1125	1129	1130							
15	1115	1115	1112	1109	1104	1101	1101	1098	1099	1100	1104	1107							
20	1083	1084	1080	1076	1069	1066	1065	1061	1063	1065	1070	1074							
25	1041	1042	1038	1033	1025	1021	1020	1015	1016	1019	1027	1032							
30	991	993	987	983	973	969	966	961	962	966	975	981							
35	933	936	929	923	913	908	905	899	899	903	915	922							
40	868	871	863	857	845	840	836	828	829	833	846	855							
45	796	798	790	784	771	765	761	751	752	755	771	781							
50	717	719	711	704	690	684	682	669	672	673	691	701							
55	632	635	626	618	604	597	592	580	580	584	601	614							
60	542	544	535	526	513	504	498	486	485	490	507	522							
65	447	449	440	431	418	409	402	391	388	394	410	428							
70	350	352	343	334	320	312	305	294	290	294	312	330							
75	252	255	245	237	223	216	209	198	195	196	215	233							
80	157	163	150	145	130	128	121	112	109	108	125	144							
85	76.5	80.7	71.1	64.5	56.4	53.7	48.1	41.8	43.3	43.8	56.3	66.9							
90	17.0	22.3	20.7	16.7	14.5	12.4	12.1	11.3	11.6	11.5	15.0	17.8							
95	8.16	9.02	9.24	8.41	9.43	9.68	11.0	10.5	10.2	10.2	10.2	10.4							
100	9.11	9.68	8.99	8.86	9.17	9.83	11.6	11.3	11.1	11.0	10.9	10.9							
105	10.3	10.4	10.0	10.1	10.3	10.5	12.5	12.2	12.1	12.0	11.8	11.8							
110	11.4	11.2	11.2	11.3	11.4	11.6	13.5	13.2	13.1	13.0	12.8	12.8							
115	12.5	12.3	12.3	12.4	12.6	12.7	14.4	14.2	14.1	14.0	13.8	13.8							
120	13.6	13.3	13.4	13.5	13.6	13.8	15.4	15.2	15.1	15.0	14.8	14.8							
125	14.5	14.3	14.3	14.5	14.6	14.7	16.3	16.1	16.0	15.9	15.8	15.7							
130	15.5	15.3	15.3	15.4	15.5	15.6	17.2	17.0	16.9	16.8	16.7	16.6							
135	16.4	16.2	16.2	16.3	16.4	16.5	18.0	17.9	17.8	17.7	17.6	17.5							
140	17.3	17.2	17.2	17.3	17.3	17.4	18.9	18.8	18.6	18.6	18.4	18.4							
145	18.3	18.2	18.1	18.2	18.2	18.3	19.7	19.6	19.4	19.4	19.3	19.2							
150	19.5	19.3	19.3	19.4	19.3	19.4	20.5	20.3	20.2	20.2	20.1	20.1							
155	20.6	20.5	20.4	20.6	20.5	20.5	21.3	21.1	21.1	21.1	20.9	20.9							
160	21.8	21.6	21.5	21.7	21.6	21.6	22.2	22.0	21.9	22.0	21.8	21.8							
165	22.8	22.7	22.6	22.7	22.6	22.6	23.0	22.8	22.7	22.8	22.6	22.7							
170	23.7	23.5	23.4	23.5	23.4	23.3	23.7	23.4	23.4	23.5	23.3	23.4							
175	24.2	24.0	23.9	24.0	23.8	23.8	24.1	23.8	23.8	23.9	23.7	23.7							
180	24.4	24.2	24.1	24.2	24.0	24.0	24.4	24.2	24.1	24.2	24.0	24.0							

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