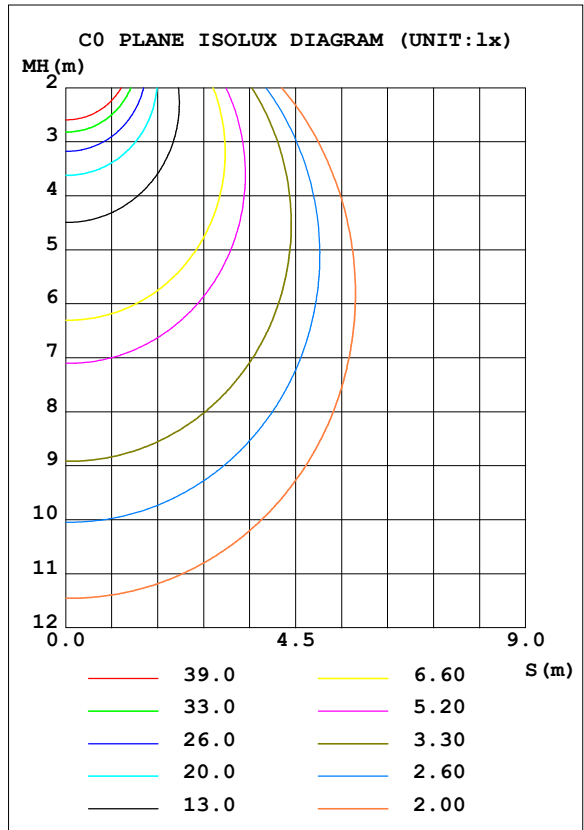
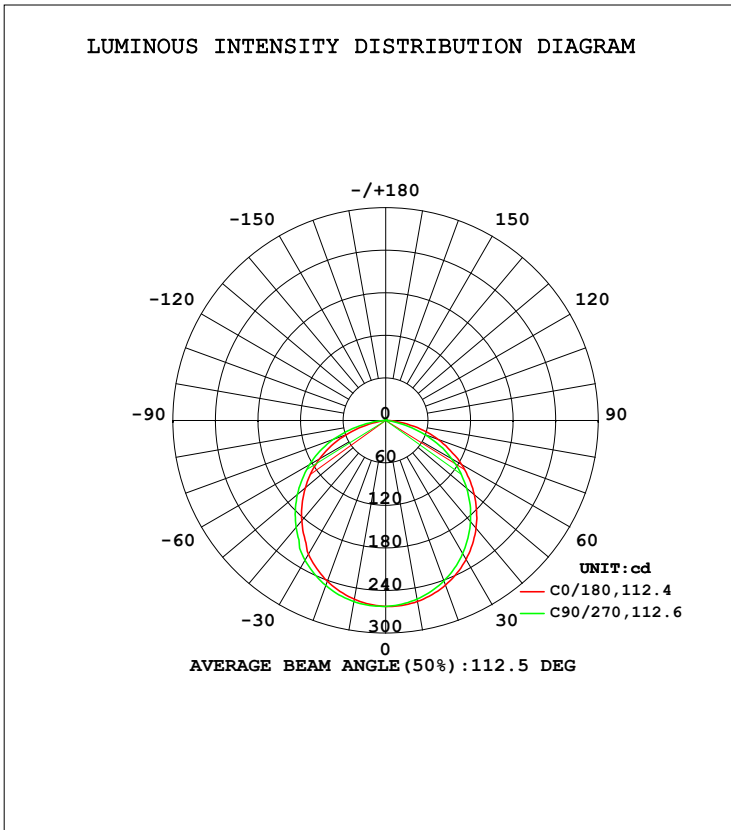


EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.83 lm/W			
MODEL	ASD-JBR-4D9WH	I _{max} (cd)	262.3	S/MH (C0/180)	1.24
NOMINAL POWER (W)	9	LOR (%)	100.0	S/MH (C90/270)	1.29
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	754.56	η UP, DN (C0-180)	0.9, 48.3
NOMINAL FLUX (lm)	754.563	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 50.0
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120.0	η down (%)	98.3	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	259.2	257.4	255.8	255.8	256.0	257.7	259.4	259.5	0- 10	24.81	24.81	3.29,3.29
20	247.1	243.7	240.6	240.6	241.0	244.5	247.7	248.0	10- 20	71.12	95.92	12.7,12.7
30	226.6	221.7	217.2	217.3	218.0	222.8	227.7	228.0	20- 30	108.0	203.9	27,27
40	198.3	189.2	186.3	183.6	184.5	193.6	196.7	200.1	30- 40	129.7	333.6	44.2,44.2
50	163.5	153.7	149.2	147.3	148.3	157.8	162.6	165.8	40- 50	134.6	468.2	62,62
60	123.4	113.5	106.4	106.6	107.6	117.2	123.5	126.2	50- 60	121.8	590.0	78.2,78.2
70	79.57	70.08	58.78	63.21	59.66	72.03	79.07	82.63	60- 70	92.42	682.4	90.4,90.4
80	30.82	25.42	11.47	17.82	9.618	25.15	28.39	37.10	70- 80	49.26	731.7	97,97
90	2.192	1.825	1.613	2.373	1.037	1.040	1.424	4.358	80- 90	10.07	741.7	98.3,98.3
100	1.692	1.735	1.760	1.792	1.303	1.209	1.185	1.157	90-100	1.581	743.3	98.5,98.5
110	1.891	1.928	1.967	1.989	1.608	1.503	1.487	1.445	100-110	1.694	745.0	98.7,98.7
120	2.063	2.107	2.132	2.164	1.899	1.802	1.792	1.754	110-120	1.833	746.8	99,99
130	2.210	2.261	2.286	2.315	2.183	2.085	2.076	2.041	120-130	1.859	748.7	99.2,99.2
140	2.386	2.447	2.482	2.532	2.477	2.373	2.370	2.346	130-140	1.781	750.5	99.5,99.5
150	2.627	2.699	2.735	2.771	2.757	2.664	2.661	2.644	140-150	1.605	752.1	99.7,99.7
160	2.887	2.941	2.959	2.985	3.024	2.923	2.939	2.915	150-160	1.303	753.4	99.8,99.8
170	3.104	3.123	3.145	3.160	3.195	3.109	3.152	3.114	160-170	0.8618	754.3	100,100
180	3.261	3.225	3.240	3.237	3.265	3.214	3.243	3.230	170-180	0.3039	754.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

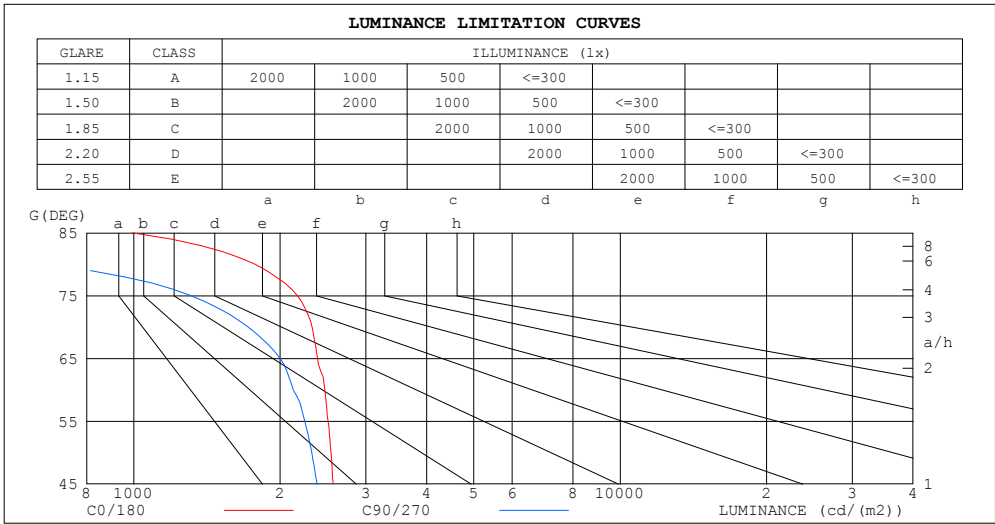
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	994	287
80	1776	660
75	2169	1310
70	2328	1718
65	2386	2000
60	2470	2128
55	2509	2248
50	2545	2321
45	2571	2382

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

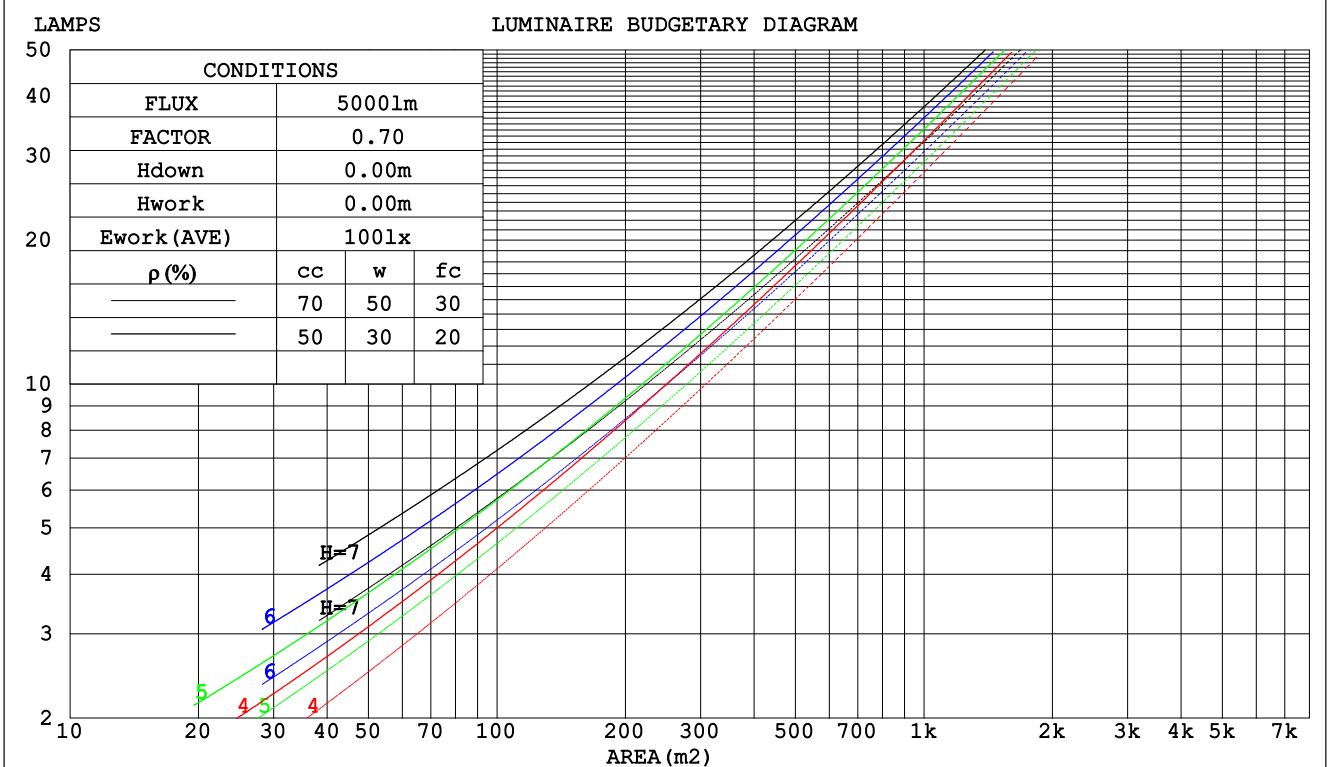
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
	ρw	50%	30%	10%	ρw	50%	30%	10%	ρw	50%	30%	10%	ρw	50%	30%	
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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.04	.00	.96	1.01	.98	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.91	.84	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.61	.56	.52	.49
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.55	.49	.45	.43
6.0	.56	.48	.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	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.302	.172	.054	.295	.168	.053	.280	.161	.051	.267	.154	.049	.255	.148	.048	
2.0	.287	.157	.048	.280	.154	.048	.268	.149	.046	.256	.144	.045	.246	.139	.044	
3.0	.267	.142	.043	.261	.140	.042	.250	.135	.041	.239	.131	.040	.230	.127	.039	
4.0	.247	.128	.038	.242	.126	.037	.232	.123	.037	.222	.119	.036	.214	.116	.035	
5.0	.229	.116	.034	.224	.115	.033	.215	.112	.033	.207	.109	.032	.199	.106	.032	
6.0	.212	.106	.030	.208	.105	.030	.200	.103	.030	.193	.100	.029	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.193	.169	.148	.165	.145	.127	.113	.100	.088	.065	.058	.051	.021	.019	.017	
2.0	.185	.145	.112	.158	.125	.097	.108	.086	.067	.063	.050	.039	.020	.016	.013	
3.0	.177	.127	.088	.152	.110	.076	.104	.076	.053	.060	.045	.032	.019	.014	.010	
4.0	.170	.114	.072	.145	.099	.062	.100	.069	.044	.058	.040	.026	.019	.013	.009	
5.0	.162	.104	.061	.139	.090	.053	.096	.063	.037	.056	.037	.022	.018	.012	.007	
6.0	.155	.095	.053	.133	.083	.046	.092	.058	.032	.053	.034	.019	.017	.011	.006	
7.0	.148	.089	.047	.128	.077	.041	.088	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.142	.083	.042	.122	.072	.037	.085	.050	.026	.049	.030	.016	.016	.010	.005	
9.0	.136	.078	.039	.117	.068	.034	.081	.048	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.074	.036	.112	.064	.031	.078	.045	.022	.045	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm										
NAME: ASD-JBR-4D9WH					TYPE:			WEIGHT:		
SPEC.:5000K					DIM.: 4			SERIAL No.:		
MFR.: ASD Lighting Corp					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	17.0	18.5	17.3	18.7	19.0	16.5	18.0	16.8	18.2	18.5
3H	18.6	20.0	18.9	20.3	20.5	17.8	19.2	18.1	19.5	19.7
4H	19.3	20.6	19.6	20.9	21.2	18.2	19.5	18.5	19.8	20.1
6H	19.7	20.9	20.1	21.2	21.5	18.3	19.5	18.6	19.8	20.1
8H	19.8	21.0	20.2	21.3	21.6	18.3	19.4	18.6	19.8	20.1
12H	19.8	20.9	20.2	21.3	21.6	18.2	19.4	18.6	19.7	20.0
4H 2H	17.5	18.9	17.9	19.1	19.4	17.2	18.5	17.5	18.8	19.0
3H	19.3	20.5	19.7	20.8	21.1	18.6	19.8	19.0	20.1	20.4
4H	20.1	21.2	20.5	21.5	21.9	19.1	20.2	19.5	20.5	20.9
6H	20.6	21.6	21.1	21.9	22.3	19.3	20.2	19.7	20.6	21.0
8H	20.8	21.6	21.2	22.0	22.4	19.3	20.2	19.7	20.6	21.0
12H	20.8	21.6	21.3	22.0	22.5	19.3	20.1	19.7	20.5	20.9
8H 4H	20.3	21.2	20.7	21.5	22.0	19.4	20.3	19.9	20.7	21.1
6H	20.9	21.6	21.4	22.1	22.5	19.7	20.4	20.2	20.9	21.3
8H	21.1	21.8	21.6	22.2	22.7	19.7	20.4	20.2	20.8	21.3
12H	21.2	21.8	21.7	22.2	22.7	19.7	20.3	20.2	20.8	21.3
12H 4H	20.3	21.1	20.7	21.5	21.9	19.4	20.2	19.9	20.6	21.1
6H	20.9	21.6	21.4	22.0	22.5	19.8	20.4	20.2	20.8	21.3
8H	21.2	21.7	21.7	22.2	22.7	19.8	20.3	20.3	20.8	21.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 754.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)
 Area: 0.1 m2

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

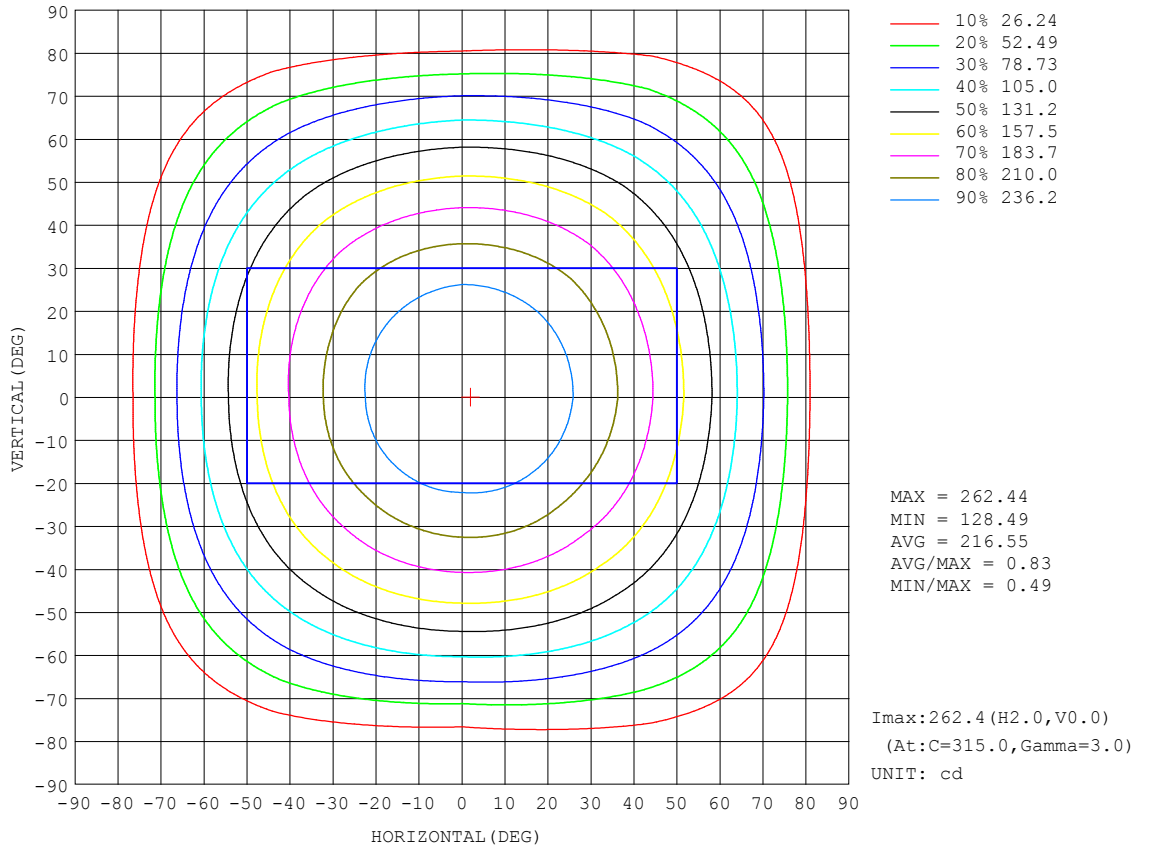
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	56	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	92	87	82	73
3.00	102	95	90	100	94	89	95	90	86	77
4.00	106	100	96	104	99	94	99	95	91	82
5.00	108	104	100	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: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

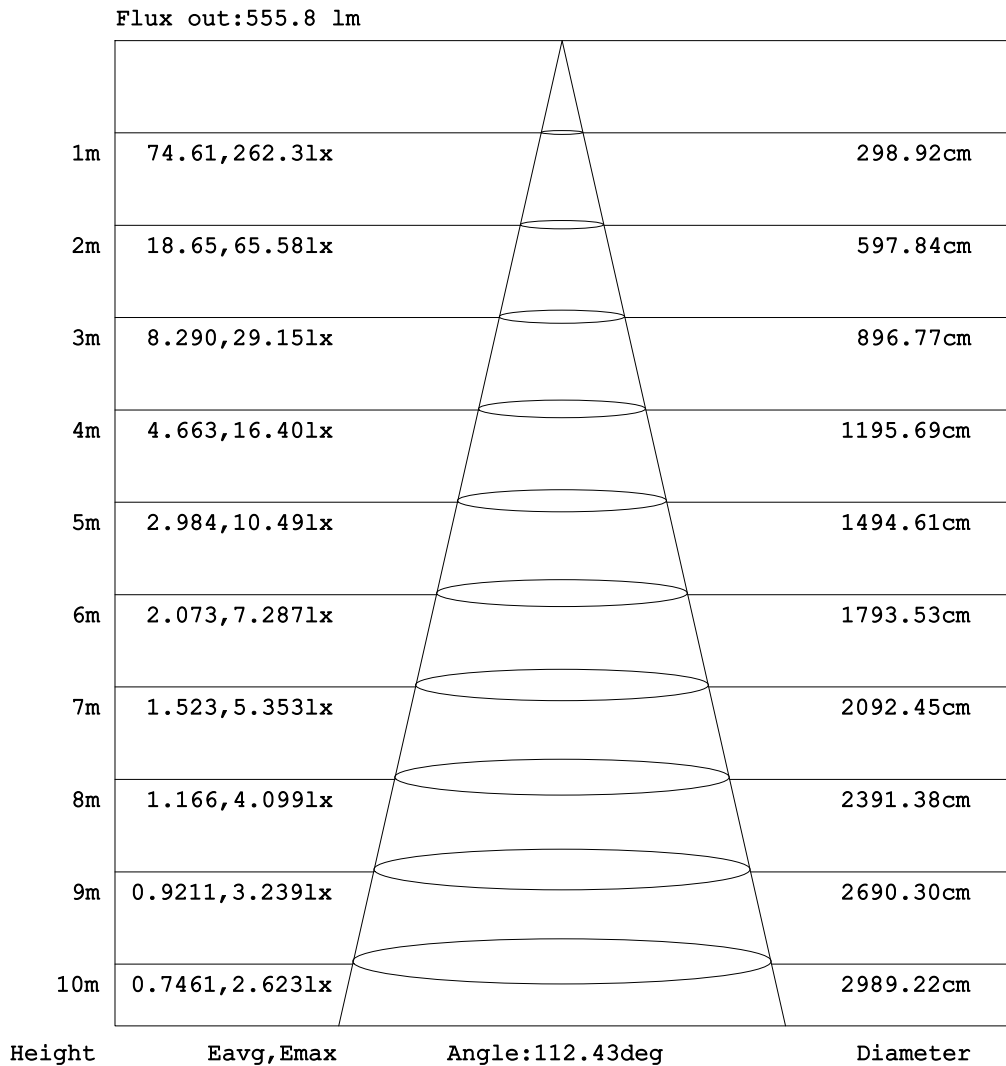


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



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

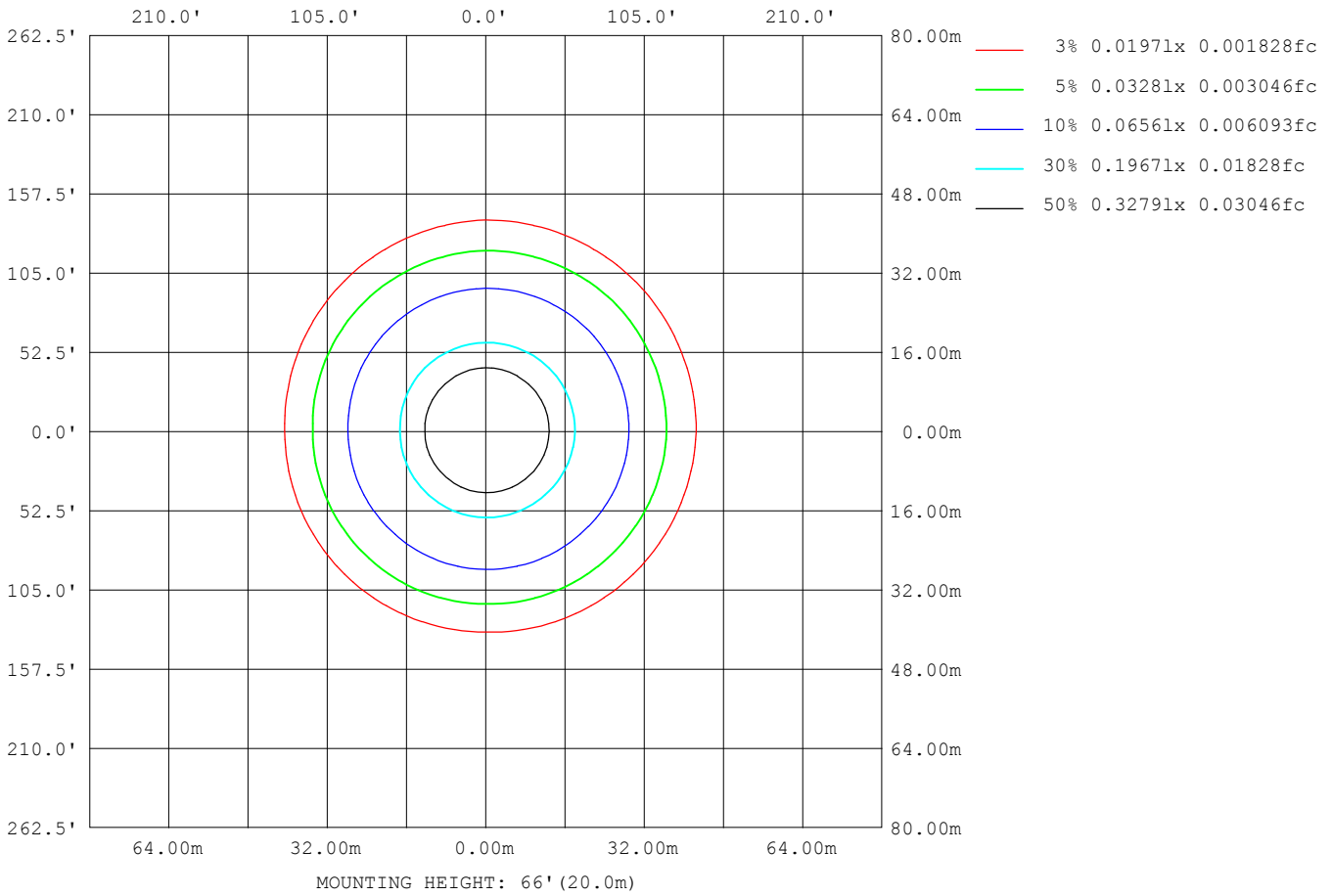
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

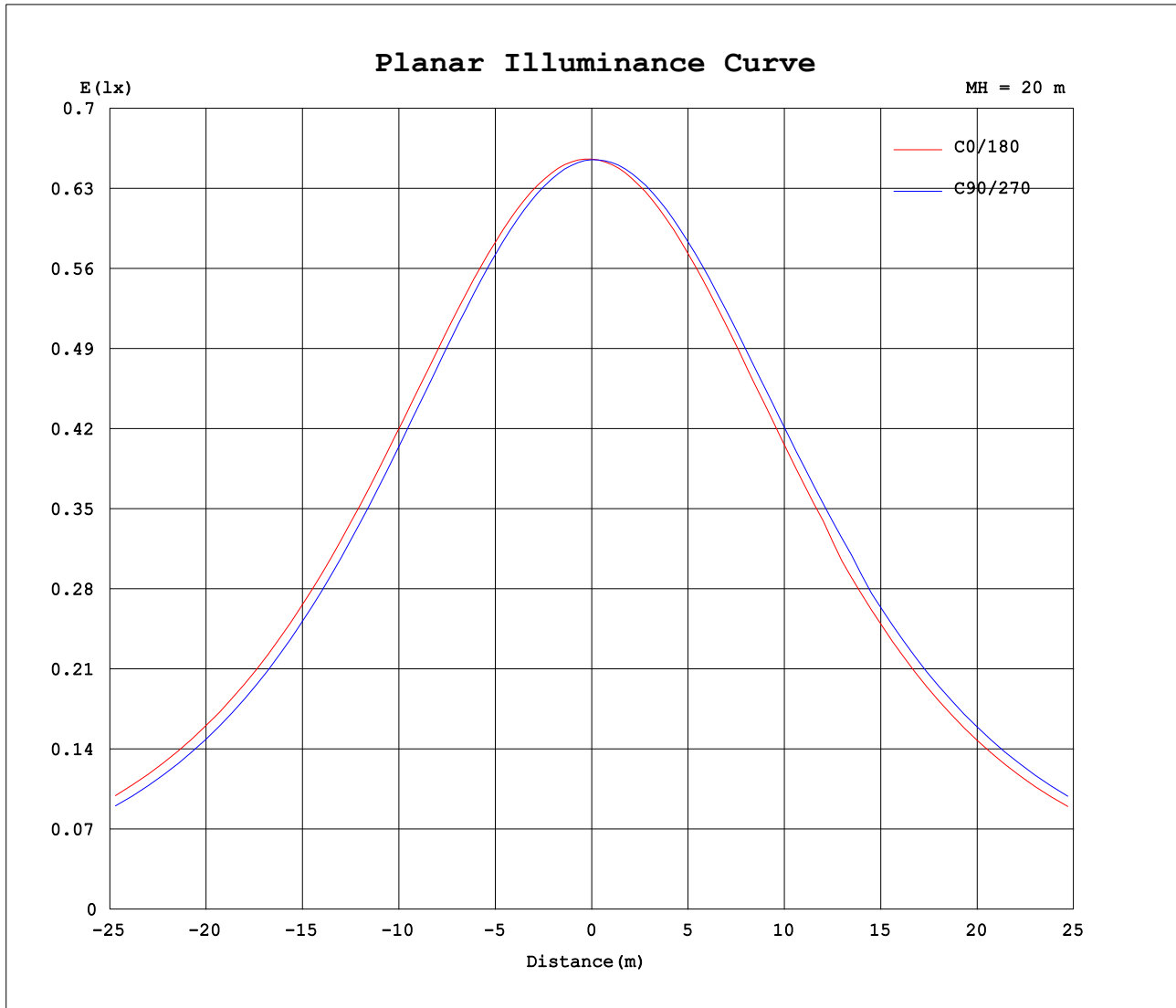
AvgL	cd/m2
L_0~180 (65) av	2196
L_0~180 (75) av	1739
L_0~180 (85) av	597
L_90~270 (65) av	2213
L_90~270 (75) av	1683
L_90~270 (85) av	558
L_45 (65) av	2221
L_45 (75) av	1898
L_45 (85) av	1154

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:7.074m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2025-02-17

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 7.074m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.10V I:0.0800A P:9.1100W PF:0.9400 Freq:60.00Hz Lamp Flux:754.563x1 lm		
NAME: ASD-JBR-4D9WH	TYPE:	WEIGHT:
SPEC.:5000K	DIM.: 4	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	45	90	135	180	225	270	315										
0	262	262	262	262	262	262	262	262										
5	262	261	260	260	260	261	262	262										
10	259	257	256	256	256	258	259	260										
15	254	252	249	249	250	252	255	255										
20	247	244	241	241	241	245	248	248										
25	238	234	230	230	231	235	239	239										
30	227	222	217	217	218	223	228	228										
35	213	205	203	200	200	209	213	215										
40	198	189	186	184	184	194	197	200										
45	182	172	168	166	167	176	180	184										
50	163	154	149	147	148	158	163	166										
55	144	134	129	127	128	138	144	146										
60	123	113	106	107	108	117	124	126										
65	101	92.2	84.5	85.4	84.9	94.3	103	104										
70	79.6	70.1	58.8	63.2	59.7	72.0	79.1	82.6										
75	56.1	47.9	33.9	39.4	33.9	48.5	53.2	60.7										
80	30.8	25.4	11.5	17.8	9.62	25.1	28.4	37.1										
85	8.66	9.23	2.50	5.86	1.74	9.77	7.22	15.4										
90	2.19	1.82	1.61	2.37	1.04	1.04	1.42	4.36										
95	1.64	1.64	1.66	1.70	1.17	1.07	1.06	1.02										
100	1.69	1.74	1.76	1.79	1.30	1.21	1.19	1.16										
105	1.80	1.84	1.86	1.89	1.46	1.36	1.33	1.30										
110	1.89	1.93	1.97	1.99	1.61	1.50	1.49	1.44										
115	1.99	2.02	2.05	2.08	1.75	1.65	1.64	1.60										
120	2.06	2.11	2.13	2.16	1.90	1.80	1.79	1.75										
125	2.14	2.19	2.21	2.24	2.05	1.94	1.94	1.90										
130	2.21	2.26	2.29	2.31	2.18	2.09	2.08	2.04										
135	2.30	2.35	2.37	2.41	2.33	2.24	2.22	2.19										
140	2.39	2.45	2.48	2.53	2.48	2.37	2.37	2.35										
145	2.50	2.58	2.60	2.64	2.62	2.52	2.51	2.50										
150	2.63	2.70	2.73	2.77	2.76	2.66	2.66	2.64										
155	2.76	2.82	2.85	2.88	2.89	2.80	2.81	2.78										
160	2.89	2.94	2.96	2.98	3.02	2.92	2.94	2.91										
165	3.00	3.04	3.06	3.16	3.10	3.02	3.05	3.02										
170	3.10	3.12	3.14	3.16	3.19	3.11	3.15	3.11										
175	3.21	3.20	3.20	3.21	3.25	3.17	3.22	3.19										
180	3.26	3.22	3.24	3.24	3.26	3.21	3.24	3.23										

C Range: 0 - 360DEG
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