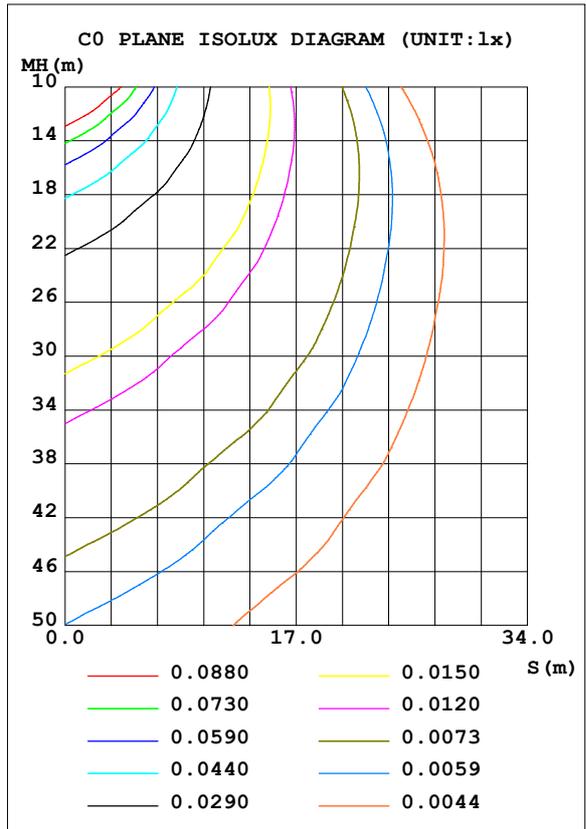
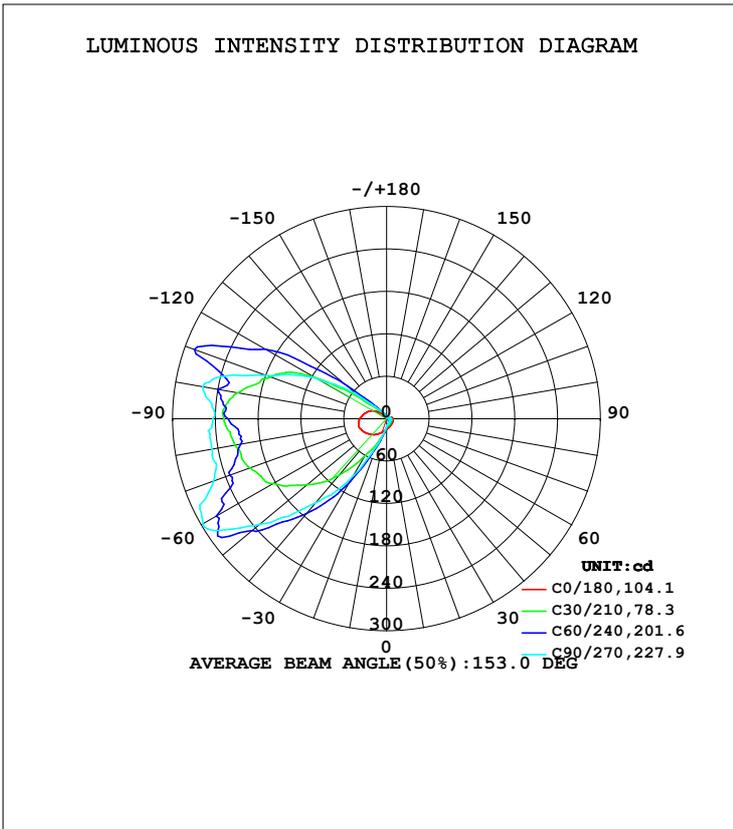


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm		
NAME: JWL2-9DOB-850-120-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 英诺	SUR.:4寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.49 lm/W			
MODEL		I <sub>max</sub> (cd)	297.9	S/MH (C0/180)	2.70
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	6.17
RATED VOLTAGE (V)		TOTAL FLUX (lm)	672.74	η UP, DN (C0-180)	2.1, 3.4
NOMINAL FLUX (lm)	672.736	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	38.1, 56.5
LAMPS INSIDE	1	η up (%)	40.1	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)		η down (%)	59.9	CIBSE SHR MAX	1.00



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.750m [K=1.0000]  
 Remarks:



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	12.74	9.506	8.935	10.06	17.28	20.55	19.19	14.23	0- 10	1.250	1.250	0.19,0.19
20	11.34	8.179	7.804	9.362	20.92	39.22	39.89	18.85	10- 20	4.677	5.928	0.88,0.88
30	10.36	7.403	6.918	8.843	25.26	81.35	92.58	27.15	20- 30	11.73	17.65	2.62,2.62
40	9.545	6.795	6.175	8.589	29.58	139.9	155.9	41.10	30- 40	25.82	43.47	6.46,6.46
50	9.012	6.196	5.528	8.248	33.58	195.5	232.7	57.83	40- 50	45.76	89.24	13.3,13.3
60	8.683	5.898	5.427	7.869	37.13	229.5	297.7	71.32	50- 60	68.89	158.1	23.5,23.5
70	8.224	5.687	5.740	7.484	39.95	218.8	258.3	80.50	60- 70	79.02	237.1	35.3,35.3
80	7.856	5.094	5.163	7.137	39.76	211.8	249.0	83.10	70- 80	81.55	318.7	47.4,47.4
90	7.374	4.602	4.619	6.915	38.02	225.3	244.0	85.35	80- 90	84.11	402.8	59.9,59.9
100	7.111	4.394	4.459	6.702	33.51	226.7	262.0	80.20	90-100	85.75	488.6	72.6,72.6
110	5.943	4.145	4.361	6.494	28.86	229.9	179.3	69.12	100-110	77.56	566.1	84.2,84.2
120	4.482	3.274	4.078	5.902	22.56	157.6	116.3	46.94	110-120	59.65	625.8	93,93
130	4.060	2.852	3.380	5.080	15.05	53.60	48.95	20.77	120-130	29.78	655.5	97.4,97.4
140	3.406	2.586	2.923	4.569	9.896	17.97	17.41	8.802	130-140	9.896	665.4	98.9,98.9
150	2.915	2.353	2.644	4.141	6.167	8.465	8.181	5.528	140-150	4.113	669.6	99.5,99.5
160	2.563	2.145	2.468	3.802	4.112	4.830	4.696	3.927	150-160	1.991	671.5	99.8,99.8
170	2.241	2.094	2.343	3.585	2.902	3.077	3.104	3.381	160-170	0.9201	672.5	100,100
180	2.206	2.729	2.911	3.463	2.194	2.719	2.899	3.462	170-180	0.2698	672.7	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 63.513 lm

%lum = 9.4%

%lamp = 9.4%

Conical surface Flux(120deg): 158.13 lm

%lum = 23.5%

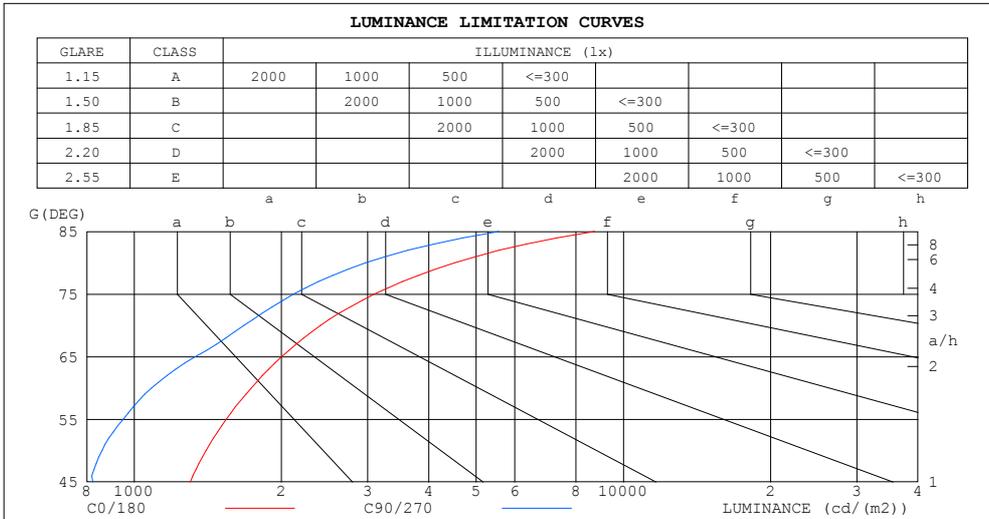
%lamp = 23.5%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm		
NAME: JWL2-9DOB-850-120-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 英诺	SUR.:4寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	8735	5565
80	4524	2973
75	3099	2119
70	2405	1678
65	2004	1333
60	1737	1085
55	1542	949
50	1402	860
45	1302	823

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks:



GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm															
NAME: JWL2-9DOB-850-120-BL 整灯 5000K							TYPE:					WEIGHT:			
SPEC.:							DIM.:					SERIAL No.:			
MFR.: 英诺							SUR.:4寸					Shielding Angle:			

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 Coefficients(WEC)									
0.0																
1.0	.464	.264	.084	.445	.254	.081	.408	.234	.075	.374	.216	.069	.343	.199	.064	
2.0	.381	.209	.064	.363	.200	.062	.330	.183	.057	.299	.168	.052	.270	.153	.048	
3.0	.329	.175	.052	.312	.167	.050	.282	.153	.046	.253	.139	.043	.227	.126	.039	
4.0	.290	.151	.044	.275	.144	.043	.247	.131	.039	.221	.119	.036	.197	.107	.033	
5.0	.259	.132	.038	.246	.126	.037	.220	.115	.034	.196	.103	.031	.174	.093	.028	
6.0	.235	.118	.034	.222	.112	.032	.199	.102	.030	.177	.092	.027	.156	.082	.024	
7.0	.215	.106	.030	.203	.101	.029	.181	.092	.026	.161	.082	.024	.141	.074	.022	
8.0	.197	.096	.027	.187	.092	.026	.167	.083	.024	.148	.075	.022	.130	.067	.019	
9.0	.183	.088	.025	.173	.084	.024	.154	.076	.022	.136	.068	.020	.120	.061	.018	
10.0	.170	.082	.023	.161	.078	.022	.143	.070	.020	.127	.063	.018	.111	.056	.016	

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	.496	.496	.496	.424	.424	.424	.289	.289	.289	.166	.166	.166	.053	.053	.053	
1.0	.499	.463	.430	.427	.397	.370	.292	.273	.256	.168	.158	.149	.054	.051	.048	
2.0	.494	.442	.397	.424	.380	.344	.290	.263	.240	.167	.153	.140	.054	.050	.046	
3.0	.488	.427	.378	.418	.368	.328	.287	.256	.230	.166	.149	.135	.053	.048	.044	
4.0	.480	.415	.366	.412	.359	.318	.283	.250	.224	.164	.146	.132	.053	.048	.044	
5.0	.472	.406	.357	.406	.351	.311	.279	.246	.219	.162	.144	.130	.052	.047	.043	
6.0	.465	.399	.351	.400	.345	.306	.276	.242	.217	.160	.142	.129	.052	.046	.043	
7.0	.458	.393	.347	.394	.340	.303	.272	.239	.214	.158	.141	.128	.051	.046	.042	
8.0	.451	.387	.344	.388	.336	.300	.268	.236	.213	.156	.139	.127	.051	.046	.042	
9.0	.444	.383	.341	.383	.332	.298	.265	.234	.211	.154	.138	.126	.050	.045	.042	
10.0	.438	.379	.339	.378	.329	.296	.262	.231	.210	.153	.137	.126	.050	.045	.042	

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks:



GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm										
NAME: JWL2-9DOB-850-120-BL 整灯 5000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 英诺					SUR.:4寸			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	5.2	6.4	5.9	7.2	8.2	3.2	4.4	3.9	5.2	6.2
3H	8.3	9.5	9.1	10.3	11.4	6.3	7.5	7.1	8.3	9.4
4H	10.1	11.2	10.9	12.1	13.1	8.0	9.1	8.8	10.0	11.0
6H	12.2	13.2	13.0	14.1	15.1	9.8	10.9	10.7	11.7	12.8
8H	13.3	14.3	14.1	15.2	16.2	10.8	11.8	11.6	12.7	13.8
12H	14.6	15.5	15.4	16.4	17.5	11.9	12.9	12.8	13.8	14.9
4H 2H	5.6	6.7	6.5	7.6	8.7	4.3	5.4	5.1	6.2	7.3
3H	8.9	9.9	9.8	10.8	11.9	7.4	8.4	8.3	9.3	10.4
4H	10.9	11.8	11.8	12.7	13.8	9.2	10.1	10.1	11.0	12.1
6H	13.2	14.0	14.0	14.9	16.0	11.1	11.9	12.0	12.8	14.0
8H	14.4	15.2	15.3	16.1	17.3	12.2	12.9	13.1	13.8	15.0
12H	15.9	16.6	16.8	17.5	18.7	13.4	14.1	14.3	15.0	16.2
8H 4H	11.3	12.0	12.1	12.9	14.1	9.9	10.6	10.8	11.5	12.7
6H	13.7	14.4	14.7	15.3	16.5	12.0	12.6	12.9	13.5	14.7
8H	15.2	15.8	16.1	16.7	17.9	13.2	13.7	14.1	14.7	15.9
12H	16.9	17.4	17.9	18.4	19.6	14.6	15.1	15.5	16.1	17.3
12H 4H	11.3	12.0	12.2	12.9	14.1	10.1	10.8	11.0	11.7	12.9
6H	13.9	14.5	14.8	15.4	16.6	12.3	12.9	13.2	13.8	15.0
8H	15.4	16.0	16.4	16.9	18.1	13.6	14.1	14.5	15.0	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 672.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.4)

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks:



GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm		
NAME: JWL2-9DOB-850-120-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 英诺	SUR.:4寸	Shielding Angle:

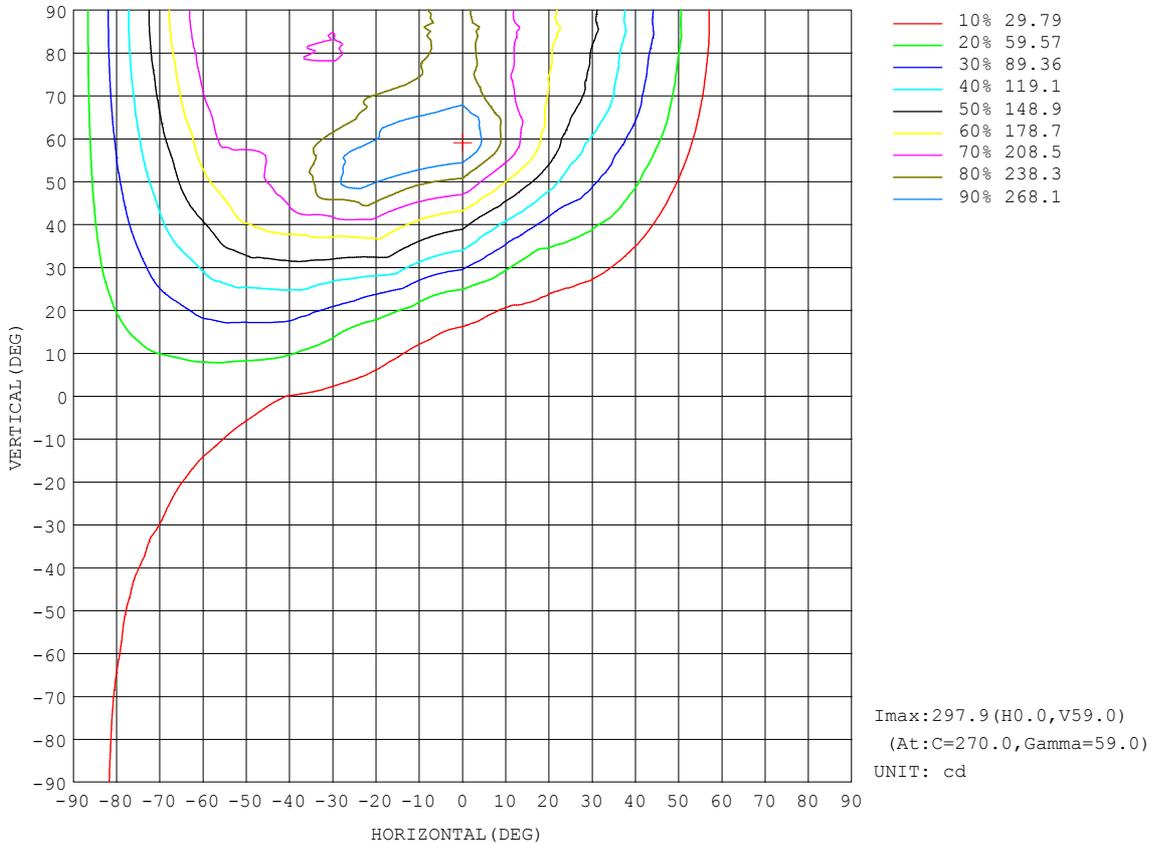
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	34	20	12	32	19	12	30	18	11	4
0.80	42	27	18	40	26	17	36	24	16	7
1.00	49	34	24	47	32	23	42	32	21	11
1.25	57	41	31	53	39	29	47	35	27	14
1.50	62	47	36	58	44	34	51	40	31	17
2.00	70	56	45	66	53	43	57	47	39	23
2.50	76	62	52	71	59	49	62	52	44	26
3.00	80	68	58	75	64	55	65	56	49	30
4.00	86	75	66	80	71	63	69	62	55	34
5.00	90	80	72	83	75	68	72	66	60	38
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:  
 Test Date:2026-03-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm		
NAME: JWL2-9DOB-850-120-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 英诺	SUR.:4寸	Shielding Angle:

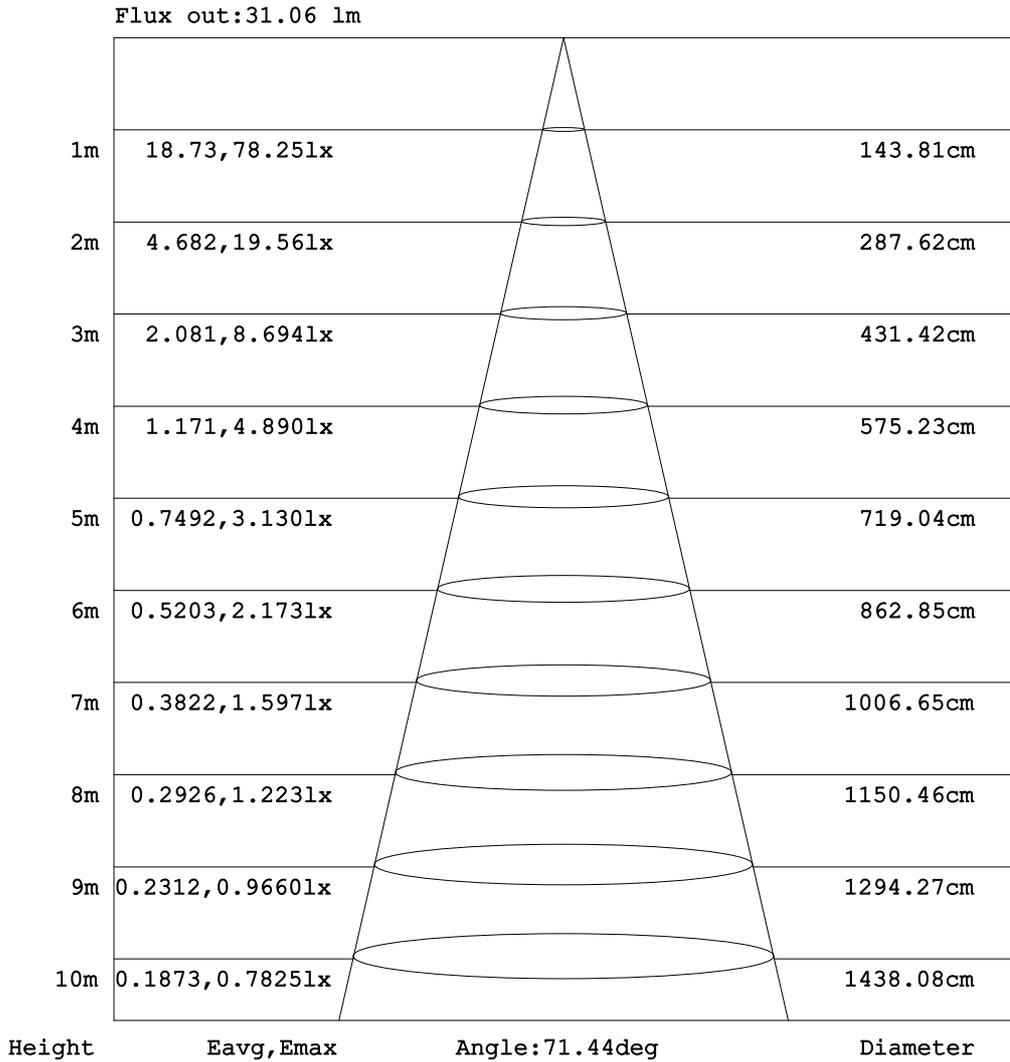


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2026-03-13

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.750m [K=1.0000]  
Remarks:

AAI Figure

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm		
NAME: JWL2-9DOB-850-120-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 英诺	SUR.:4寸	Shielding Angle:

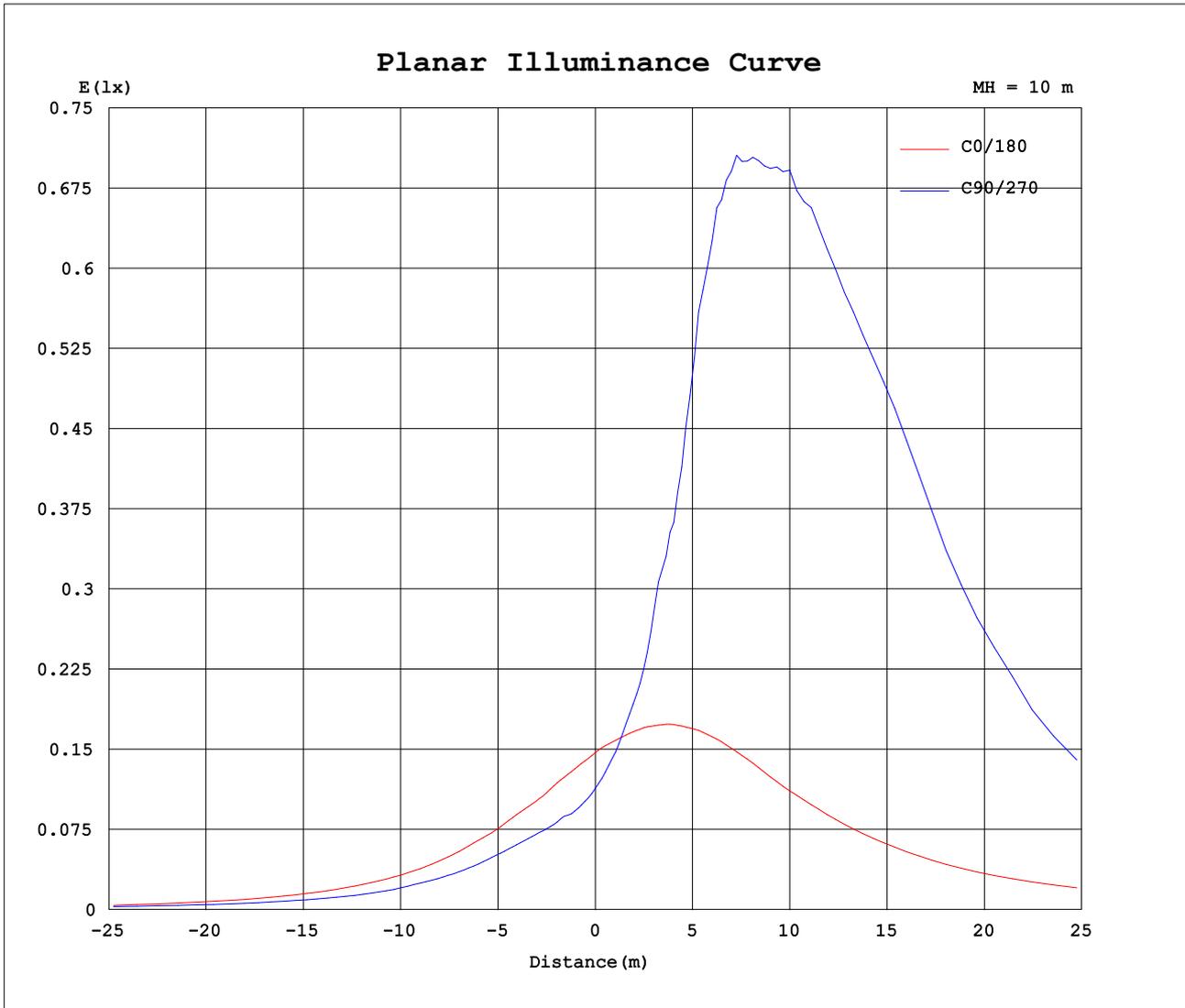


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2026-03-13

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.750m [K=1.0000]  
 Remarks:



GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.7V I:0.0860A P:9.280W PF:0.8920 Freq:60.00Hz Lamp Flux:672.736x1 lm		
NAME: JWL2-9DOB-850-120-BL 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 英诺	SUR.:4寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	14.7	13.3	11.9	11.4	11.3	11.5	14.7	13.3	11.9	11.4	11.3	11.5							
5	13.6	11.2	9.84	9.62	10.1	11.1	15.9	16.2	15.4	14.3	13.1	12.1							
10	12.7	10.1	8.96	8.94	9.37	10.7	17.3	20.3	20.7	19.2	15.7	12.8							
15	11.8	9.26	8.19	8.23	9.01	10.5	19.0	26.1	29.4	26.7	19.6	13.3							
20	11.3	8.61	7.75	7.80	8.57	10.2	20.9	35.2	43.3	39.9	23.8	13.9							
25	10.8	8.11	7.39	7.38	8.20	9.86	23.0	47.2	66.8	60.7	31.8	14.5							
30	10.4	7.86	6.94	6.92	7.97	9.71	25.3	60.1	103	92.6	39.2	15.1							
35	9.95	7.59	6.60	6.48	7.79	9.65	27.5	82.1	140	126	49.7	15.7							
40	9.55	7.16	6.43	6.17	7.58	9.60	29.6	105	175	156	65.8	16.4							
45	9.20	6.86	5.94	5.82	7.35	9.52	31.5	127	206	196	82.3	17.0							
50	9.01	6.70	5.69	5.53	7.08	9.41	33.6	145	246	233	98.1	17.6							
55	8.84	6.66	5.54	5.45	6.67	9.30	35.5	165	289	273	113	18.0							
60	8.68	6.35	5.45	5.43	6.49	9.25	37.1	183	276	298	124	18.2							
65	8.47	6.17	5.61	5.63	6.20	9.14	38.6	194	249	289	133	18.2							
70	8.22	5.99	5.39	5.74	5.97	9.00	39.9	204	234	258	143	17.9							
75	8.02	5.78	4.99	5.48	5.78	8.87	40.2	211	219	247	147	17.7							
80	7.86	5.68	4.51	5.16	5.65	8.62	39.8	216	208	249	149	17.4							
85	7.61	5.57	4.06	4.85	5.58	8.47	39.3	221	208	248	154	16.9							
90	7.37	5.41	3.79	4.62	5.50	8.33	38.0	228	223	244	154	16.4							
95	7.28	5.24	3.67	4.49	5.44	8.20	35.6	227	230	246	155	15.9							
100	7.11	5.12	3.66	4.46	5.40	8.00	33.5	212	241	262	145	15.2							
105	6.80	5.01	3.70	4.41	5.36	7.82	31.2	190	237	234	134	14.6							
110	5.94	4.60	3.69	4.36	5.31	7.68	28.9	173	287	179	124	14.1							
115	4.61	3.82	3.59	4.26	5.22	7.37	26.1	156	240	148	114	13.4							
120	4.48	3.18	3.37	4.08	4.99	6.81	22.6	119	197	116	81.6	12.3							
125	4.35	2.91	3.08	3.74	4.60	6.28	18.4	71.7	130	79.4	51.4	10.6							
130	4.06	2.89	2.82	3.38	4.18	5.98	15.0	33.1	74.1	48.9	32.6	8.91							
135	3.73	2.80	2.65	3.09	3.76	5.87	12.2	22.0	36.8	26.7	17.3	7.12							
140	3.41	2.62	2.55	2.92	3.34	5.80	9.90	13.8	22.2	17.4	12.0	5.58							
145	3.16	2.42	2.47	2.77	3.15	5.52	7.84	10.1	13.6	11.6	9.04	4.48							
150	2.92	2.31	2.40	2.64	3.17	5.12	6.17	7.73	9.20	8.18	7.00	4.06							
155	2.74	2.15	2.32	2.54	3.27	4.71	4.91	6.09	6.66	6.10	5.35	3.77							
160	2.56	2.04	2.25	2.47	3.33	4.27	4.11	4.73	4.93	4.70	4.27	3.59							
165	2.39	2.02	2.20	2.41	3.35	4.06	3.45	3.70	3.82	3.72	3.67	3.44							
170	2.24	2.03	2.16	2.34	3.32	3.85	2.90	3.05	3.11	3.10	3.35	3.41							
175	2.16	2.03	2.15	2.38	3.29	3.64	2.47	2.77	2.79	2.85	3.28	3.46							
180	2.21	2.67	2.79	2.91	3.35	3.58	2.19	2.65	2.79	2.90	3.35	3.58							

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2026-03-13

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.750m [K=1.0000]  
 Remarks: