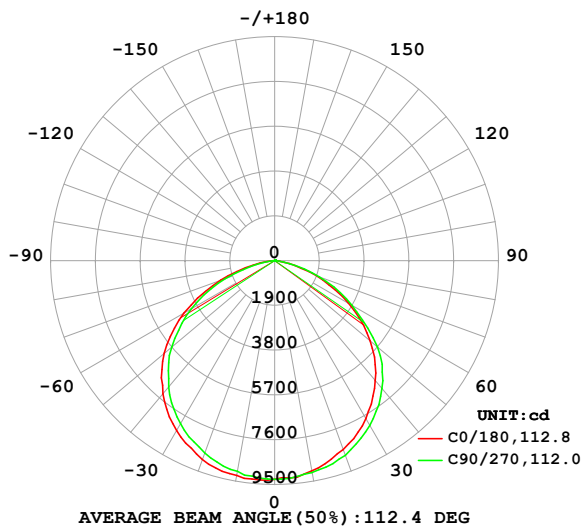


LUMINAIRE PHOTOMETRIC TEST REPORT

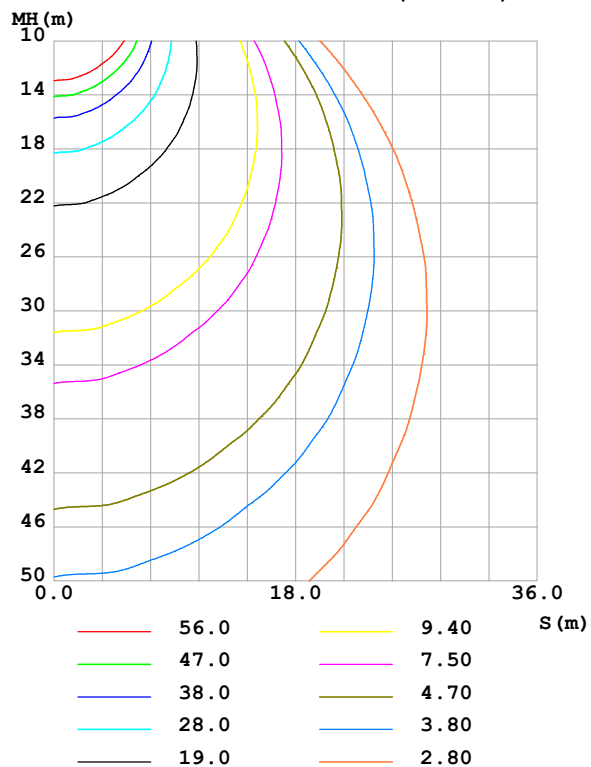
Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 128.64 lm/W
MODEL	ASD-FLD-CORE-200YK-BK	I _{max} (cd)	9325	S/MH(C0/180)	1.33	
NOMINAL POWER(W)	206	LOR(%)	100.0	S/MH(C90/270)	1.28	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	25869	η UP,DN(C0-180)	0.2,48.0	
NOMINAL FLUX(lm)	25869.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.7	
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	119.9	η down (%)	99.7	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 65.0%
Test Distance: 18.400m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	9060	9134	9255	9079					0- 10	879.6	879.6	3.4,3.4
20	8524	8784	8981	8686					10- 20	2535	3415	13.2,13.2
30	7740	8084	8331	7987					20- 30	3880	7295	28.2,28.2
40	6650	7075	7373	6995					30- 40	4732	12027	46.5,46.5
50	5283	5700	6114	5695					40- 50	4936	16963	65.6,65.6
60	3609	3786	4447	4086					50- 60	4334	21297	82.3,82.3
70	1864	2025	2444	2227					60- 70	3025	24322	94,94
80	396.9	414.6	621.2	507.7					70- 80	1320	25642	99.1,99.1
90	2.336	1.931	5.065	2.415					80- 90	154.7	25797	99.7,99.7
100	5.046	4.583	6.378	2.315					90-100	3.610	25801	99.7,99.7
110	9.137	8.520	7.631	4.837					100-110	6.391	25807	99.8,99.8
120	12.78	12.61	8.740	8.283					110-120	8.907	25816	99.8,99.8
130	16.37	16.09	11.98	12.14					120-130	11.07	25827	99.8,99.8
140	19.00	18.81	15.29	15.75					130-140	12.12	25839	99.9,99.9
150	21.16	21.00	18.15	19.09					140-150	11.63	25851	99.9,99.9
160	22.57	22.85	20.74	21.35					150-160	9.652	25861	100,100
170	23.75	24.27	22.82	23.18					160-170	6.430	25867	100,100
180	23.62	24.68	23.83	23.98					170-180	2.268	25869	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 15009 lm

%lum = 58.0%

%lamp = 58.0%

Conical surface Flux(120deg): 21297 lm

%lum = 82.3%

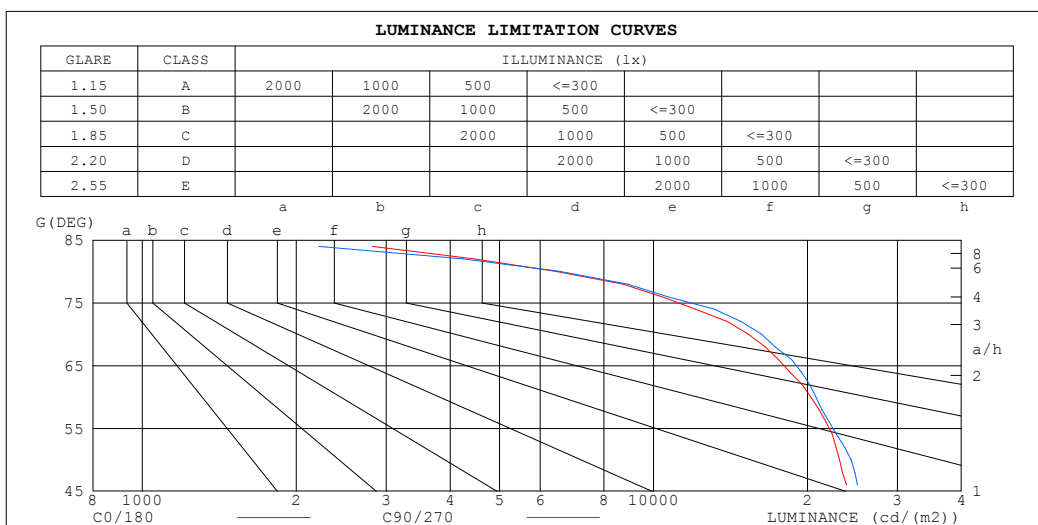
%lamp = 82.3%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2026-03-14

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:18.400m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3375	2653
80	6427	6551
75	12867	14004
70	15324	16244
65	19143	20155
60	20298	20772
55	22928	23362
50	23109	24329
45	24412	25535

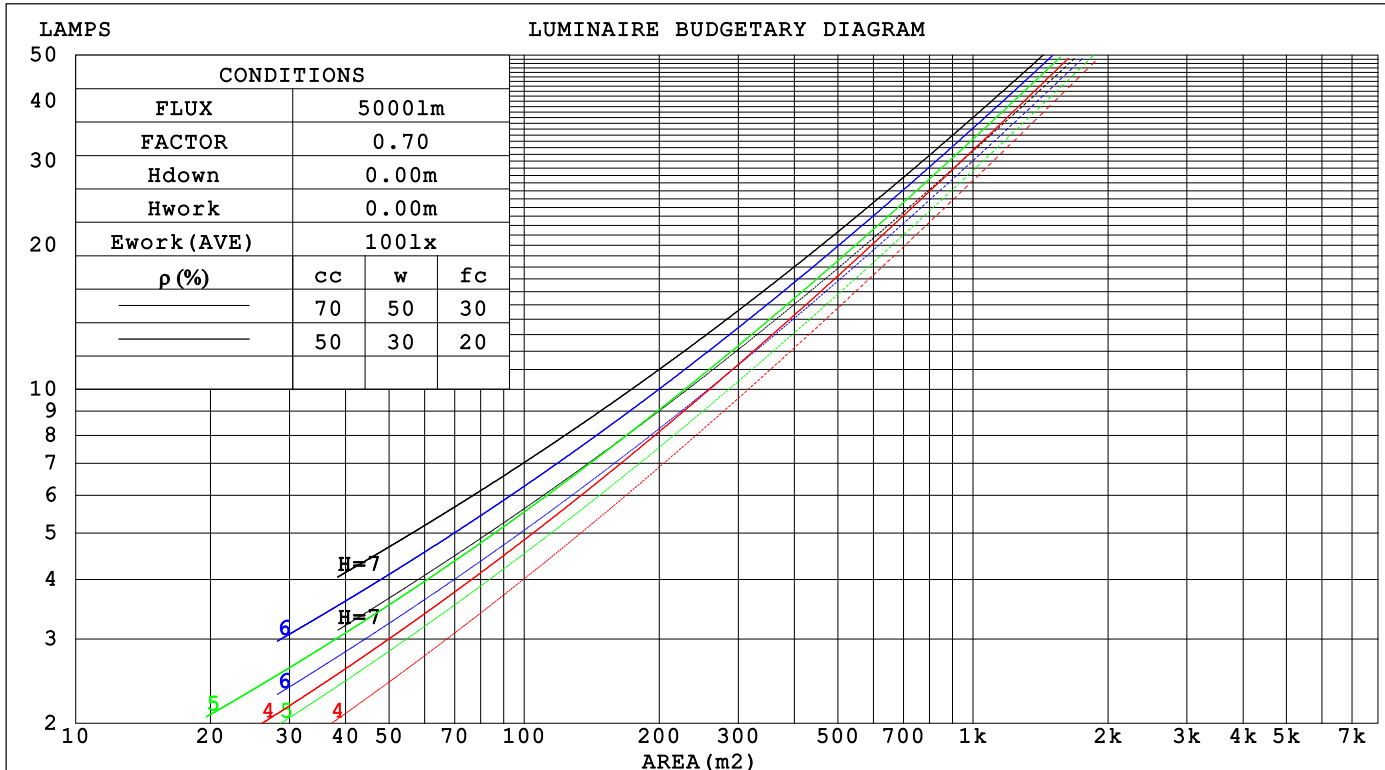
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
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															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	1.02	1.02	1.02	.00														
1.0	1.05	1.01	.97	1.03	.99	.96	.98	.96	.93	.95	.92	.90	.91	.89	.87	.85														
2.0	.92	.85	.80	.90	.84	.79	.87	.82	.77	.83	.79	.75	.80	.77	.74	.72														
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.74	.68	.64	.71	.67	.63	.61														
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.66	.60	.55	.63	.58	.54	.52														
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45														
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39														
7.0	.52	.44	.38	.52	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35														
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31														
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28														
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25														



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
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	.286	.163	.052	.279	.159	.051	.266	.152	.049	.253	.146	.047	.242	.140	.045		
2.0	.276	.151	.046	.270	.149	.046	.258	.144	.045	.248	.139	.043	.238	.134	.042		
3.0	.259	.138	.041	.254	.136	.041	.243	.132	.040	.234	.128	.039	.225	.125	.039		
4.0	.241	.125	.037	.237	.124	.037	.227	.121	.036	.219	.118	.035	.211	.115	.035		
5.0	.225	.114	.033	.220	.113	.033	.212	.110	.033	.205	.108	.032	.197	.106	.032		
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029		
7.0	.195	.097	.027	.192	.096	.027	.186	.094	.027	.179	.092	.027	.174	.090	.027		
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.162	.078	.022	.159	.077	.021	.155	.076	.021	.150	.075	.021	.146	.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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021		
1.0	.181	.158	.138	.155	.136	.119	.106	.094	.082	.061	.054	.048	.020	.017	.015		
2.0	.172	.134	.102	.148	.115	.088	.101	.080	.062	.058	.046	.036	.019	.015	.012		
3.0	.165	.116	.078	.141	.100	.068	.097	.070	.047	.056	.041	.028	.018	.013	.009		
4.0	.157	.103	.062	.135	.089	.054	.093	.062	.038	.054	.036	.022	.017	.012	.007		
5.0	.150	.093	.050	.129	.080	.044	.089	.056	.031	.051	.033	.018	.017	.011	.006		
6.0	.143	.084	.042	.123	.073	.037	.085	.051	.026	.049	.030	.015	.016	.010	.005		
7.0	.136	.077	.036	.117	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004		
8.0	.130	.071	.031	.112	.062	.027	.077	.044	.019	.045	.026	.012	.015	.008	.004		
9.0	.124	.067	.028	.107	.058	.024	.074	.041	.017	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.025	.102	.054	.022	.071	.038	.015	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm											
NAME: ASD-FLD-CORE-200YK-BK					TYPE:			WEIGHT:			
SPEC.: 5000K					DIM.:			SERIAL No.: 027			
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		24.4	25.9	24.6	26.1	26.3	24.5	26.0	24.8	26.2	26.4
3H		25.5	26.8	25.8	27.1	27.3	25.6	27.0	25.9	27.2	27.5
4H		25.7	27.0	26.0	27.3	27.5	25.9	27.2	26.2	27.5	27.7
6H		25.8	27.0	26.1	27.3	27.6	26.0	27.2	26.3	27.5	27.8
8H		25.7	26.9	26.1	27.2	27.5	25.9	27.1	26.3	27.4	27.7
12H		25.7	26.8	26.1	27.1	27.4	25.9	27.0	26.2	27.3	27.6
4H 2H		24.9	26.2	25.2	26.4	26.7	25.0	26.3	25.3	26.5	26.8
3H		26.1	27.2	26.5	27.5	27.8	26.2	27.4	26.6	27.7	28.0
4H		26.4	27.5	26.8	27.8	28.1	26.6	27.6	27.0	28.0	28.3
6H		26.5	27.5	26.9	27.8	28.2	26.7	27.6	27.1	28.0	28.4
8H		26.5	27.4	26.9	27.7	28.1	26.7	27.5	27.1	27.9	28.3
12H		26.5	27.3	26.9	27.7	28.1	26.7	27.4	27.1	27.8	28.2
8H 4H		26.5	27.4	26.9	27.7	28.1	26.7	27.5	27.1	27.9	28.3
6H		26.7	27.4	27.1	27.8	28.2	26.8	27.5	27.3	27.9	28.4
8H		26.7	27.3	27.1	27.7	28.2	26.8	27.4	27.3	27.9	28.3
12H		26.7	27.2	27.1	27.6	28.1	26.8	27.3	27.3	27.8	28.3
12H 4H		26.5	27.3	26.9	27.7	28.1	26.7	27.4	27.1	27.8	28.2
6H		26.7	27.3	27.1	27.7	28.2	26.8	27.4	27.3	27.9	28.3
8H		26.7	27.2	27.1	27.6	28.1	26.8	27.3	27.3	27.8	28.3
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H		+ 0.2 / - 0.5					+ 0.2 / - 0.5				
2.0H		+ 0.4 / - 0.4					+ 0.5 / - 0.4				

CIE Pub.117, 25869 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 11.3)
Area: 0.36 m2

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

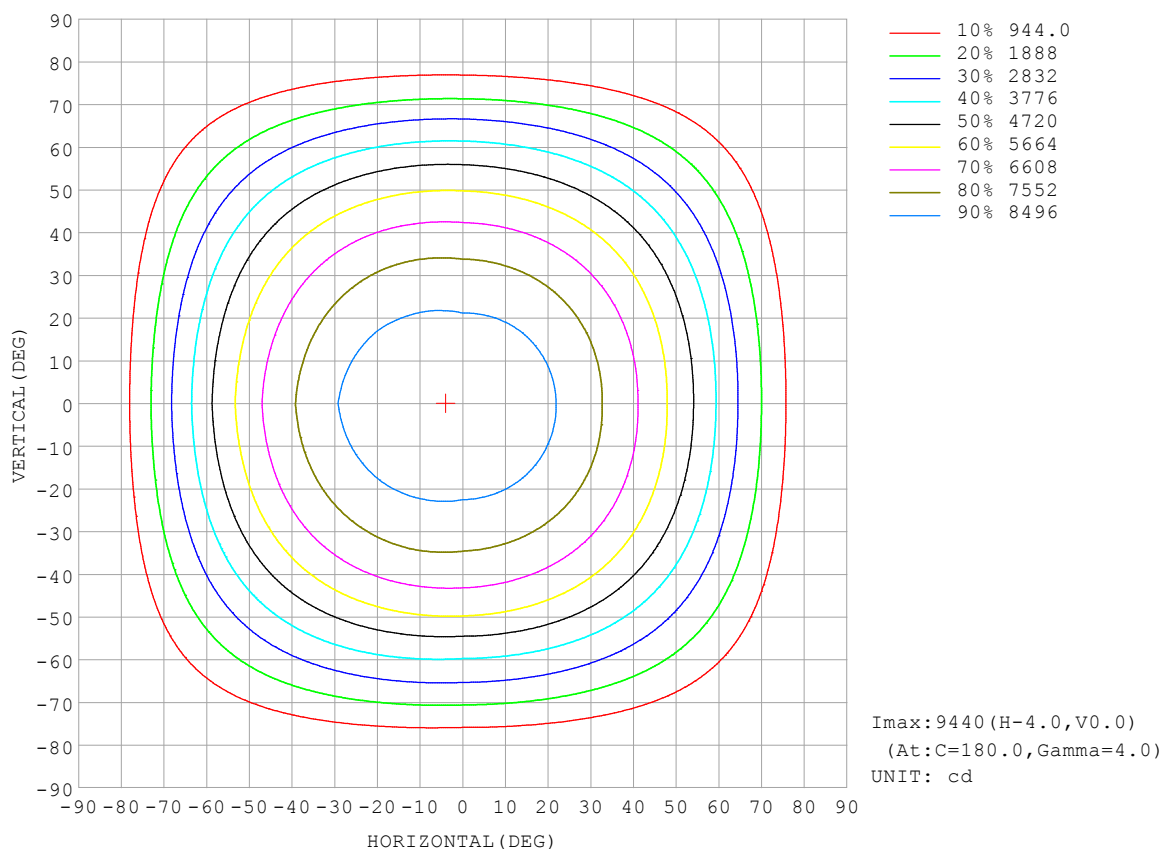
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	58	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	49	43
1.00	77	67	59	76	66	59	74	67	59	52
1.25	85	74	68	83	74	67	80	72	66	59
1.50	90	80	73	88	79	73	85	77	72	64
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	101	97	93	85
5.00	109	105	101	107	103	100	103	99	97	87
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 65.0%
Test Distance: 18.400m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

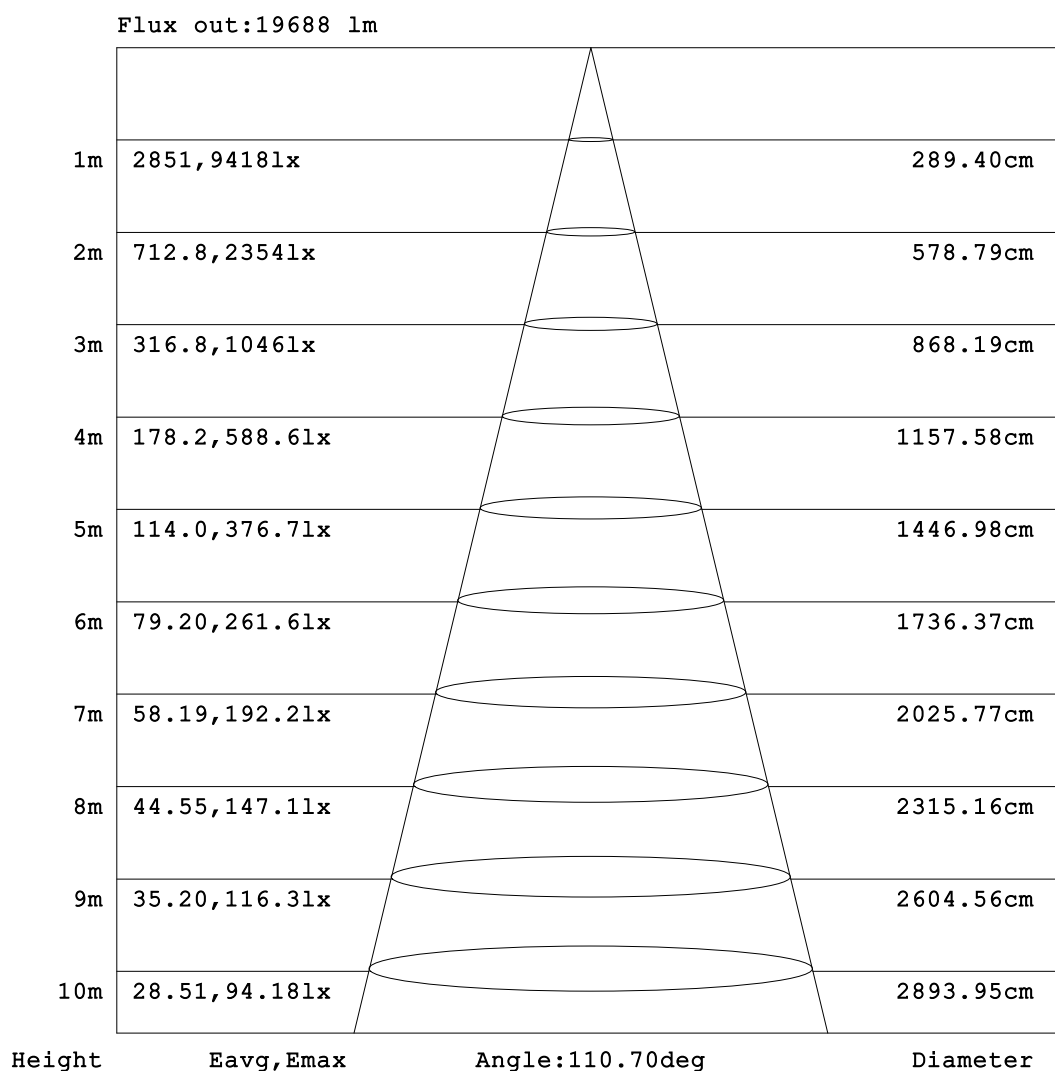


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

AAI Figure

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



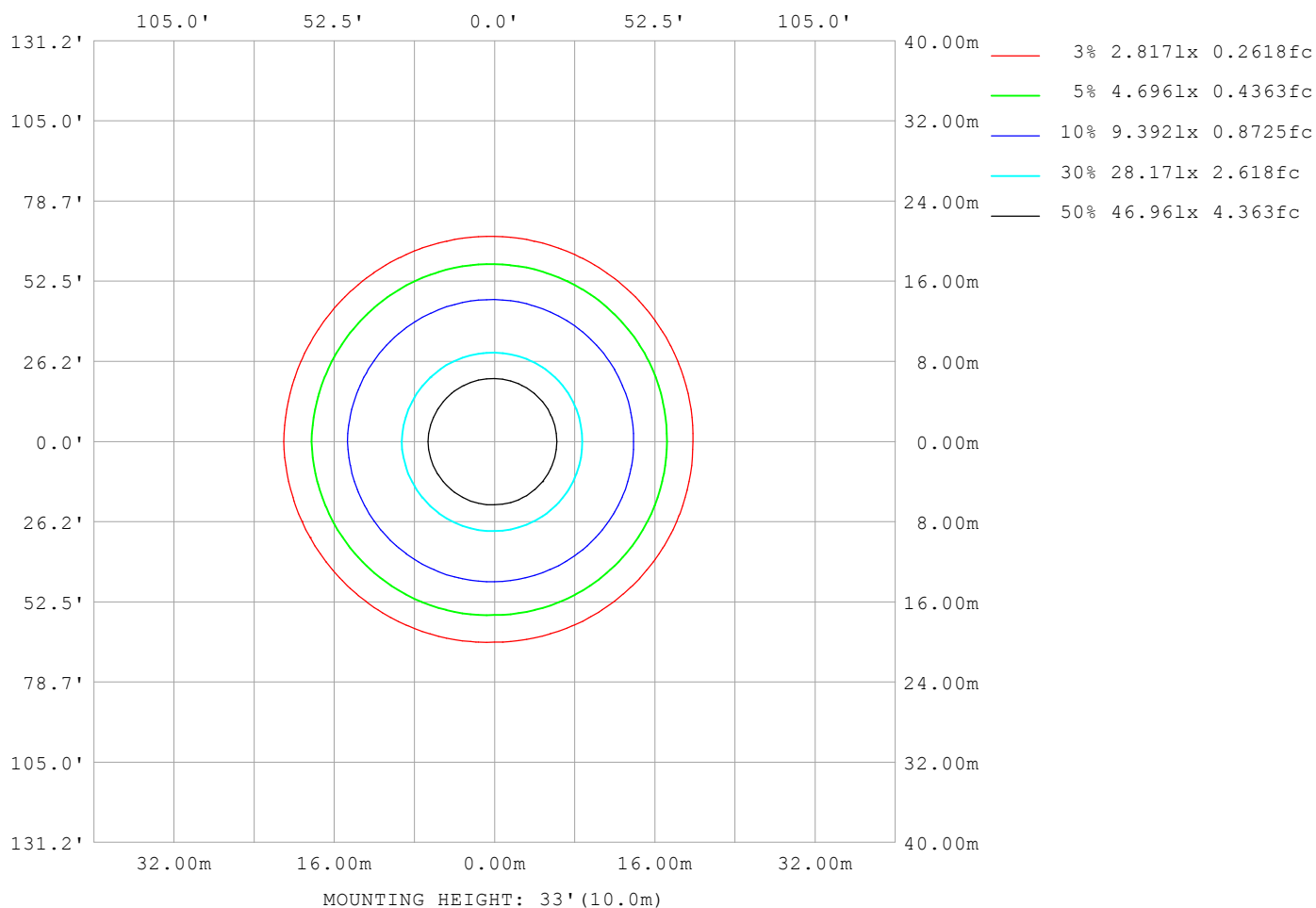
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

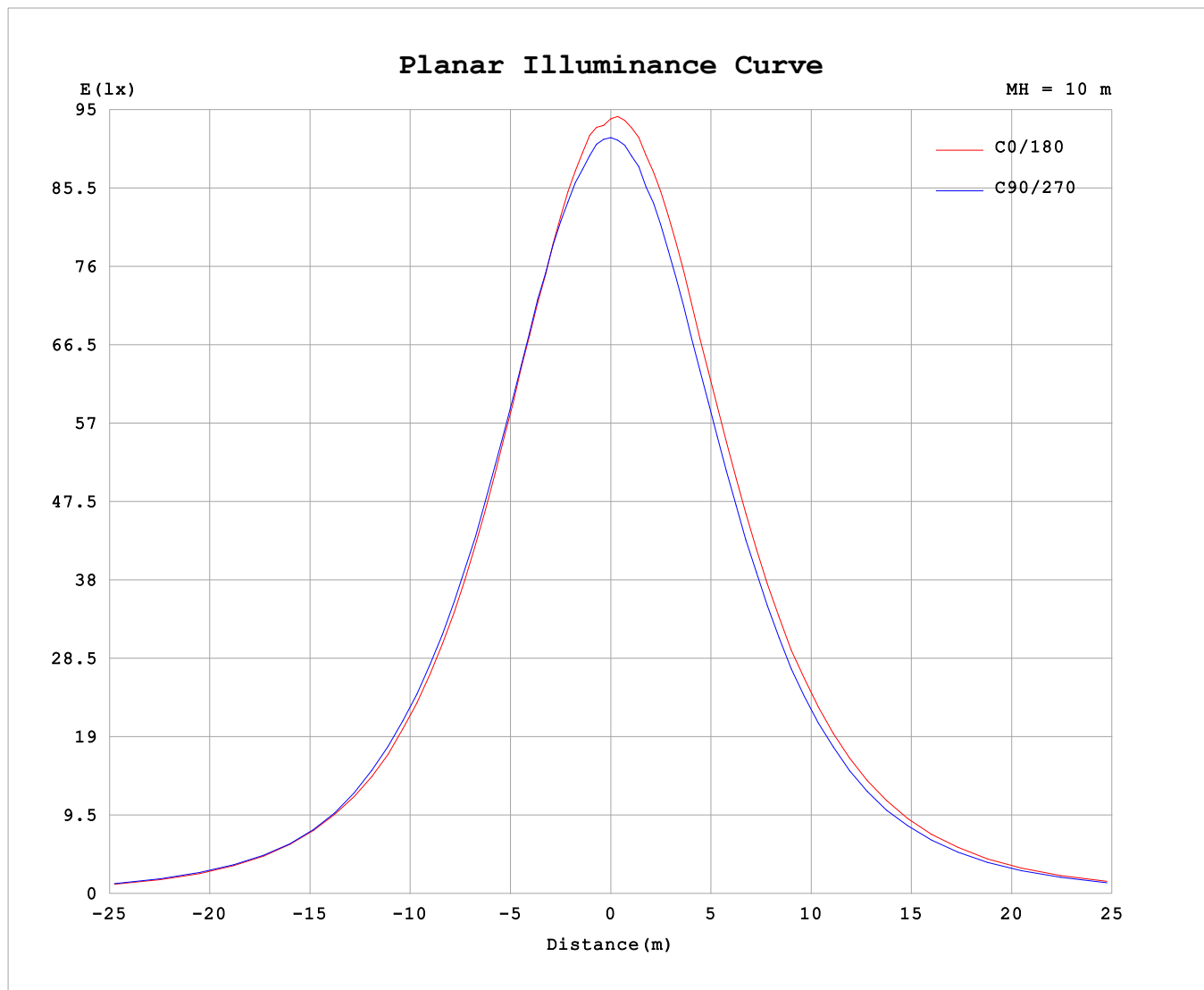
AvgL	cd/m2
L_0~180 (65) av	20150
L_0~180 (75) av	13445
L_0~180 (85) av	2808
L_90~270 (65) av	20073
L_90~270 (75) av	12623
L_90~270 (85) av	2439
L_45 (65) av	20249
L_45 (75) av	13082
L_45 (85) av	2624

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2026-03-14

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity: 65.0%
Test Distance: 18.400m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.87V I:1.7917A P:201.09W PF:0.9363 Freq:50.00Hz Lamp Flux:25869.2x1 lm		
NAME: ASD-FLD-CORE-200YK-BK	TYPE:	WEIGHT:
SPEC.: 5000K	DIM.:	SERIAL No.: 027
MFR.: ASD Lighting Corp	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	9278	9278	9278	9278															
5	9230	9204	9318	9197															
10	9060	9134	9255	9079															
15	8761	8961	9137	8885															
20	8524	8784	8981	8686															
25	8083	8377	8611	8305															
30	7740	8084	8331	7987															
35	7103	7535	7792	7450															
40	6650	7075	7373	6995															
45	5894	6342	6660	6245															
50	5283	5700	6114	5695															
55	4328	4496	5138	4762															
60	3609	3786	4447	4086															
65	2538	2759	3215	2978															
70	1864	2025	2444	2227															
75	892	937	1278	1082															
80	397	415	621	508															
85	36.4	32.3	59.7	59.0															
90	2.34	1.93	5.06	2.41															
95	3.69	3.35	4.75	1.57															
100	5.05	4.58	6.38	2.31															
105	7.36	6.90	7.33	3.73															
110	9.14	8.52	7.63	4.84															
115	11.5	11.0	7.78	6.76															
120	12.8	12.6	8.74	8.28															
125	14.8	14.7	10.6	10.7															
130	16.4	16.1	12.0	12.1															
135	18.0	17.8	14.0	14.3															
140	19.0	18.8	15.3	15.7															
145	20.4	20.2	17.0	17.8															
150	21.2	21.0	18.2	19.1															
155	22.1	22.2	19.9	20.5															
160	22.6	22.9	20.7	21.4															
165	23.3	23.9	22.0	22.6															
170	23.7	24.3	22.8	23.2															
175	23.8	24.6	23.6	23.9															
180	23.6	24.7	23.8	24.0															

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:
Test Date:2026-03-14

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks: