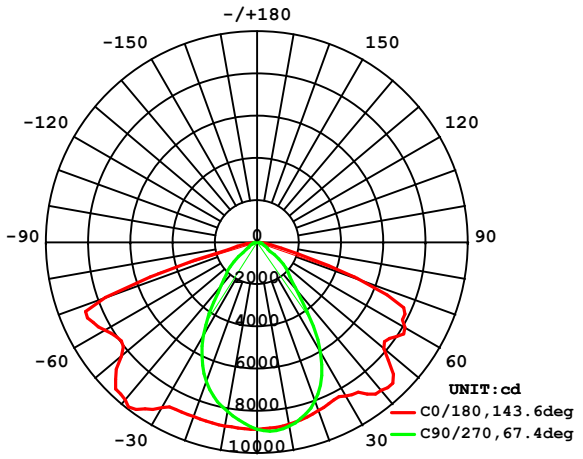
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION ANGLE:

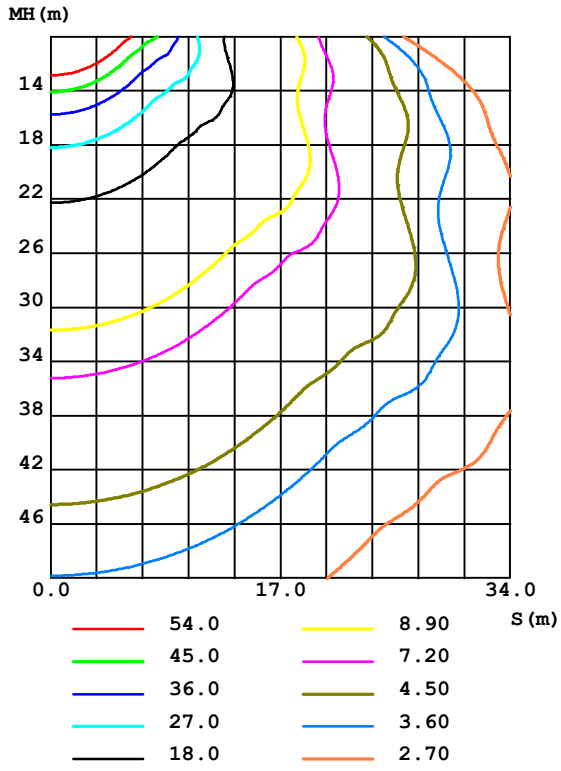
DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.51 lm/W			
2512229波兰S9路灯-200W-6500K		Imax(cd)	9908	S/MH(C0/180)	1.58
NOMINAL POWER(W)	192	LOR(%)	100.0	S/MH(C90/270)	1.02
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	25050	η UP,DN(C0-180)	0.1,48.8
NOMINAL FLUX(lm)	25050.3	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,51.0
LAMPS INSIDE	1	η up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	229.6	η down(%)	99.8	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):105.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:

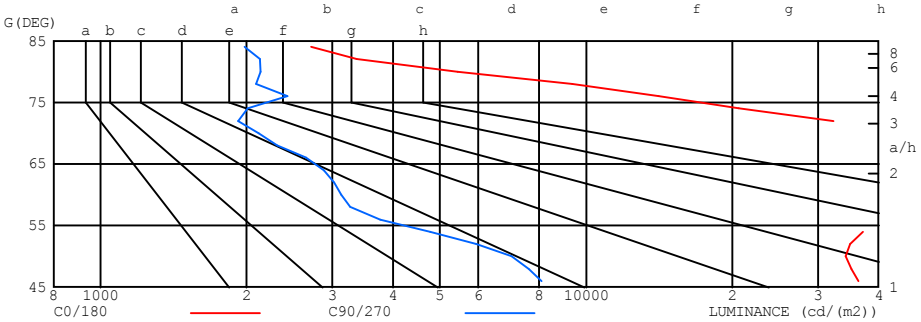
ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum,lamp
10	8756	8856	8837	8153					0- 10	835.1	835.1	3.33,3.33
20	8502	8028	8796	7044					10- 20	2376	3211	12.8,12.8
30	8417	6047	9028	5129					20- 30	3524	6735	26.9,26.9
40	9147	2835	9748	2666					30- 40	4184	10918	43.6,43.6
50	7843	1638	8416	1452					40- 50	4360	15278	61,61
60	8099	569.6	8355	489.2					50- 60	4029	19308	77.1,77.1
70	5048	262.7	7660	250.1					60- 70	4161	23469	93.7,93.7
80	336.8	134.9	497.5	127.7					70- 80	1429	24898	99.4,99.4
90	15.76	0.4108	2.832	0.7211					80- 90	99.71	24998	99.8,99.8
100	9.515	0.5480	3.680	0.6391					90-100	4.610	25002	99.8,99.8
110	10.83	0.8904	8.463	1.095					100-110	4.546	25007	99.8,99.8
120	13.27	1.782	12.11	2.190					110-120	6.342	25013	99.9,99.9
130	15.22	3.657	14.80	4.152					120-130	7.525	25021	99.9,99.9
140	16.70	6.693	15.89	7.624					130-140	8.206	25029	99.9,99.9
150	17.51	10.46	16.86	11.36					140-150	8.126	25037	99.9,99.9
160	17.80	13.77	17.08	14.70					150-160	6.923	25044	100,100
170	17.46	16.60	17.44	16.91					160-170	4.671	25049	100,100
180	17.98	17.92	18.24	17.69					170-180	1.665	25050	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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	3254	2374
80	5440	2137
75	21971	2139
70	41401	2113
65	51819	2991
60	45433	3133
55	38046	4886
50	34226	7011
45	36842	8690

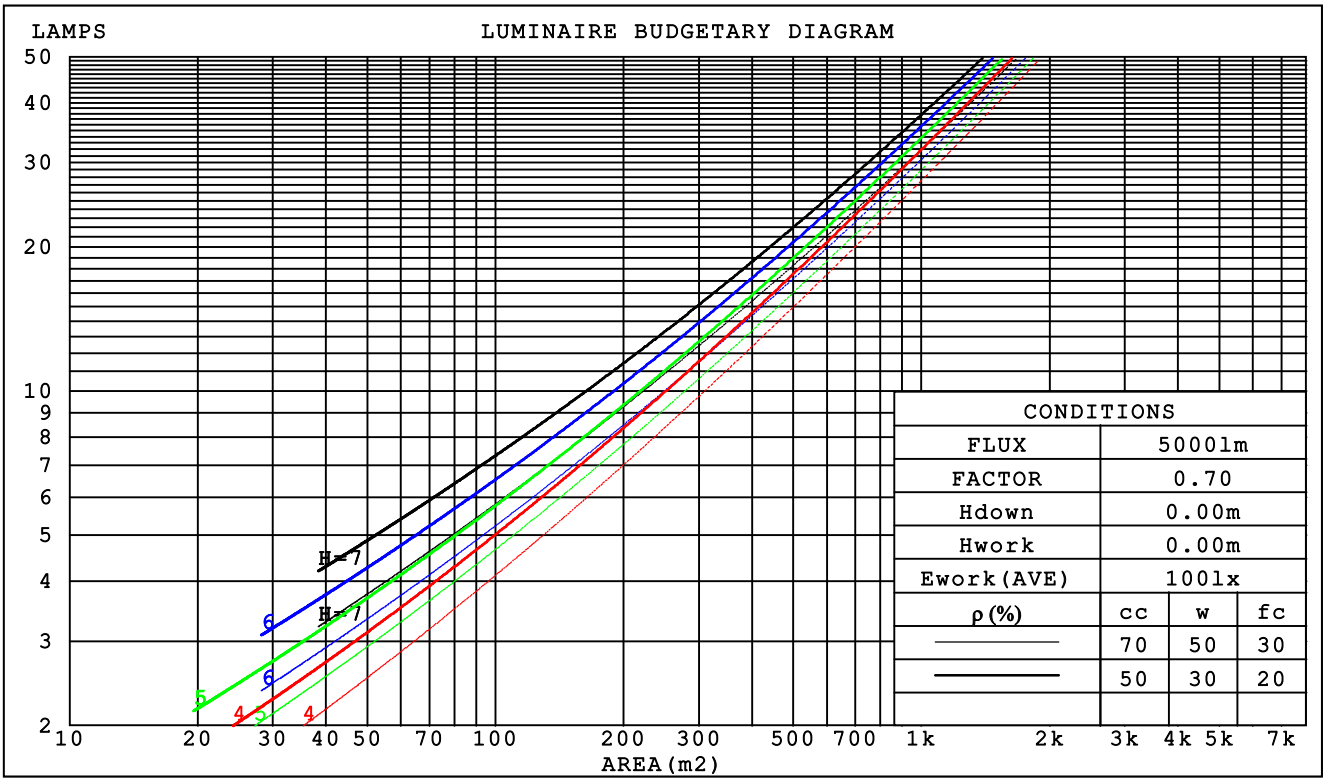
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION 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			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	1.04	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.75	.82	.78	.74	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.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	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.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: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:

E:\2026年品质中心\4月\4.22\王早兄\2512229波兰S9路灯-100W-200W-6500K\2512229波兰S9路灯-200W-6500K.GOS

WEC AND CCEC

Test:U:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION 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 Coeffcients(WEC)												
0.0																
1.0	.298	.169	.054	.291	.166	.053	.277	.159	.051	.265	.153	.049	.254	.147	.047	
2.0	.288	.158	.048	.282	.155	.048	.270	.150	.047	.259	.145	.046	.249	.141	.044	
3.0	.270	.143	.043	.264	.141	.043	.254	.137	.042	.244	.134	.041	.235	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.187	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.181	.158	.137	.155	.135	.118	.106	.093	.082	.061	.054	.047	.020	.017	.015	
2.0	.173	.134	.100	.148	.115	.087	.102	.080	.060	.059	.046	.035	.019	.015	.012	
3.0	.166	.116	.076	.142	.100	.066	.098	.069	.046	.056	.041	.027	.018	.013	.009	
4.0	.159	.103	.060	.136	.089	.052	.094	.062	.037	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.049	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.041	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.082	.047	.021	.047	.028	.013	.015	.009	.004	
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.125	.066	.027	.108	.058	.023	.075	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:

Uncorrected UGR Table

Test:U:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION 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	26.8	28.3	27.1	28.5	28.8	20.1	21.6	20.4	21.9	22.1
	3H	29.2	30.7	29.5	30.9	31.1	20.9	22.3	21.2	22.5	22.8
	4H	29.4	30.7	29.7	31.0	31.2	20.9	22.2	21.2	22.5	22.7
	6H	29.3	30.6	29.6	30.8	31.1	20.8	22.1	21.1	22.4	22.6
	8H	29.3	30.5	29.6	30.8	31.1	20.8	22.0	21.1	22.3	22.6
	12H	29.2	30.4	29.6	30.7	31.0	20.7	21.9	21.1	22.2	22.5
4H	2H	27.1	28.5	27.5	28.7	29.0	22.7	24.0	23.0	24.3	24.6
	3H	29.6	30.7	29.9	31.0	31.3	23.5	24.6	23.8	24.9	25.3
	4H	29.7	30.8	30.1	31.1	31.4	23.5	24.6	23.9	24.9	25.2
	6H	29.7	30.6	30.1	31.0	31.3	23.5	24.4	23.9	24.8	25.1
	8H	29.6	30.5	30.1	30.9	31.3	23.4	24.3	23.8	24.7	25.1
	12H	29.6	30.4	30.0	30.8	31.2	23.4	24.2	23.8	24.6	25.0
8H	4H	29.6	30.5	30.0	30.9	31.3	23.9	24.8	24.3	25.1	25.5
	6H	29.6	30.3	30.1	30.7	31.2	23.9	24.6	24.3	25.0	25.4
	8H	29.6	30.2	30.0	30.6	31.1	23.8	24.5	24.3	24.9	25.4
	12H	29.5	30.1	30.0	30.5	31.0	23.8	24.4	24.3	24.8	25.3
12H	4H	29.6	30.4	30.0	30.8	31.2	23.8	24.6	24.3	25.0	25.4
	6H	29.6	30.2	30.0	30.6	31.1	23.8	24.5	24.3	24.9	25.4
	8H	29.5	30.1	30.0	30.5	31.0	23.8	24.4	24.3	24.8	25.3

Variations with the observer position at spacings:		
S = 1.0H	+ 0.0 / - 0.1	+ 0.5 / - 0.7
1.5H	+ 0.7 / - 0.7	+ 0.6 / - 0.7
2.0H	+ 1.2 / - 2.3	+ 0.8 / - 1.6

CIE Pub.117 Corrected 25050 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.2)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION ANGLE:

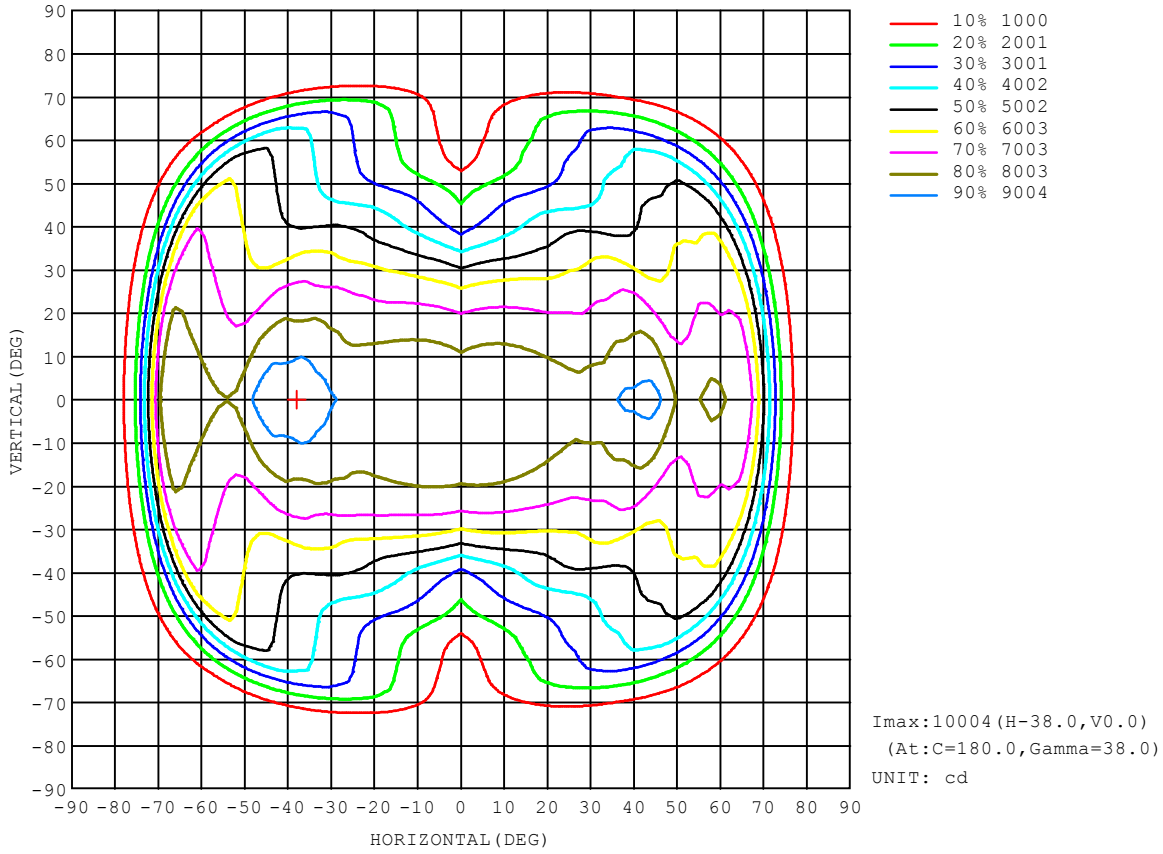
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	56	72	65	56	49
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	83	77	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	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:25.3DEG
Operators:
Test Date:2026-04-22

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:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION ANGLE:



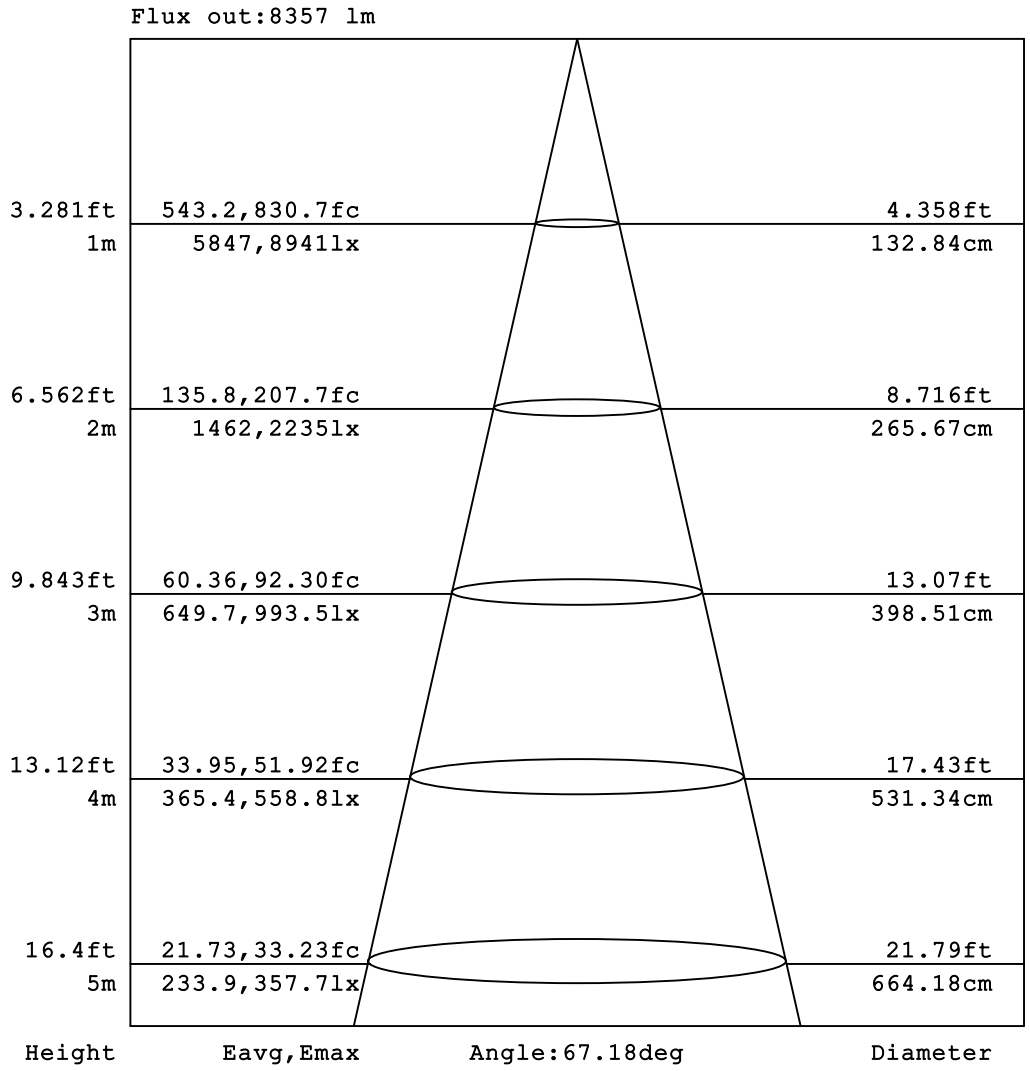
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:

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AAI Figure

Test:U:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION ANGLE:



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

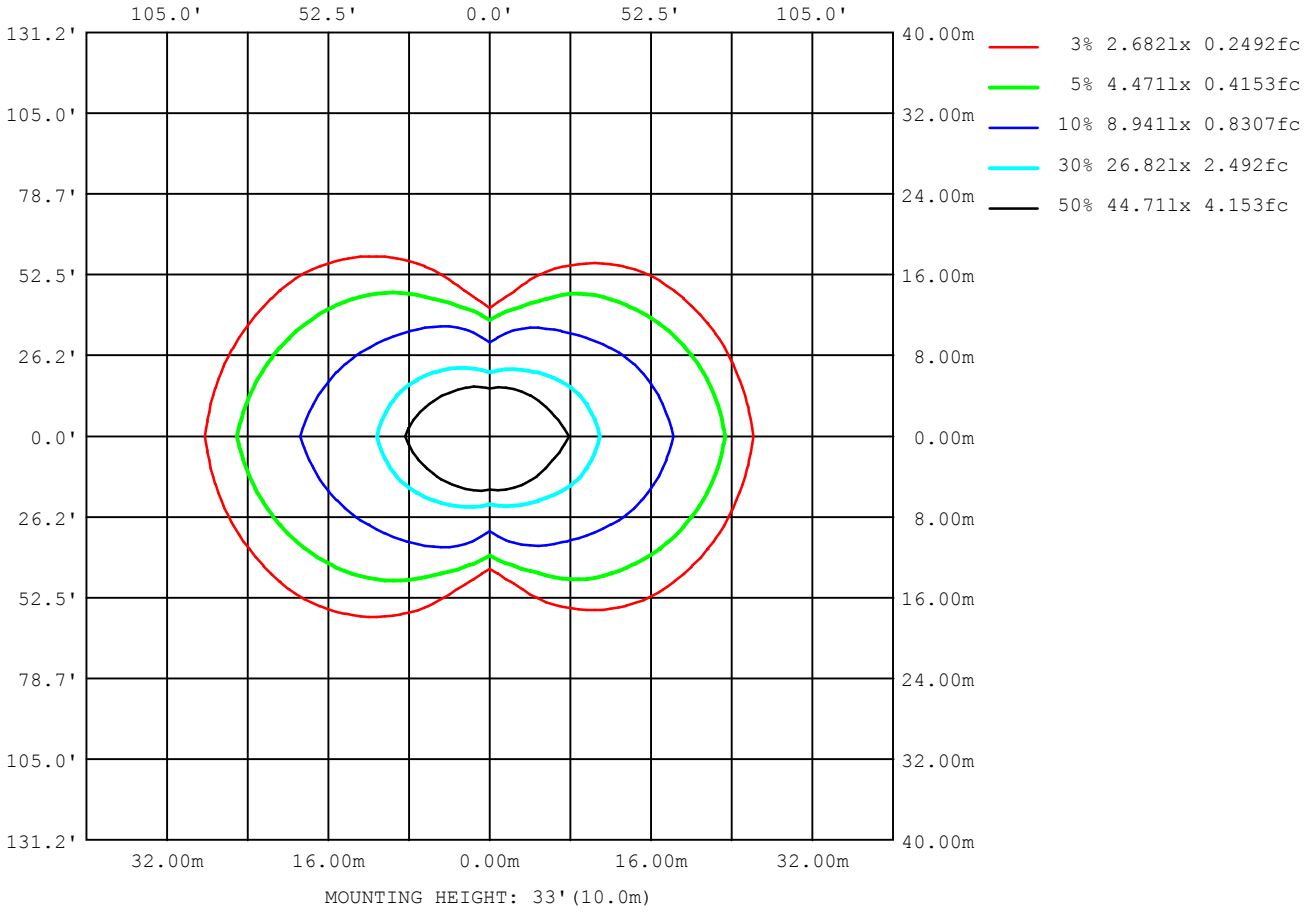
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
Humidity:65.0%
Test Distance:18.400m [K=1.0000]
Remarks:

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ISOLUX DIAGRAM

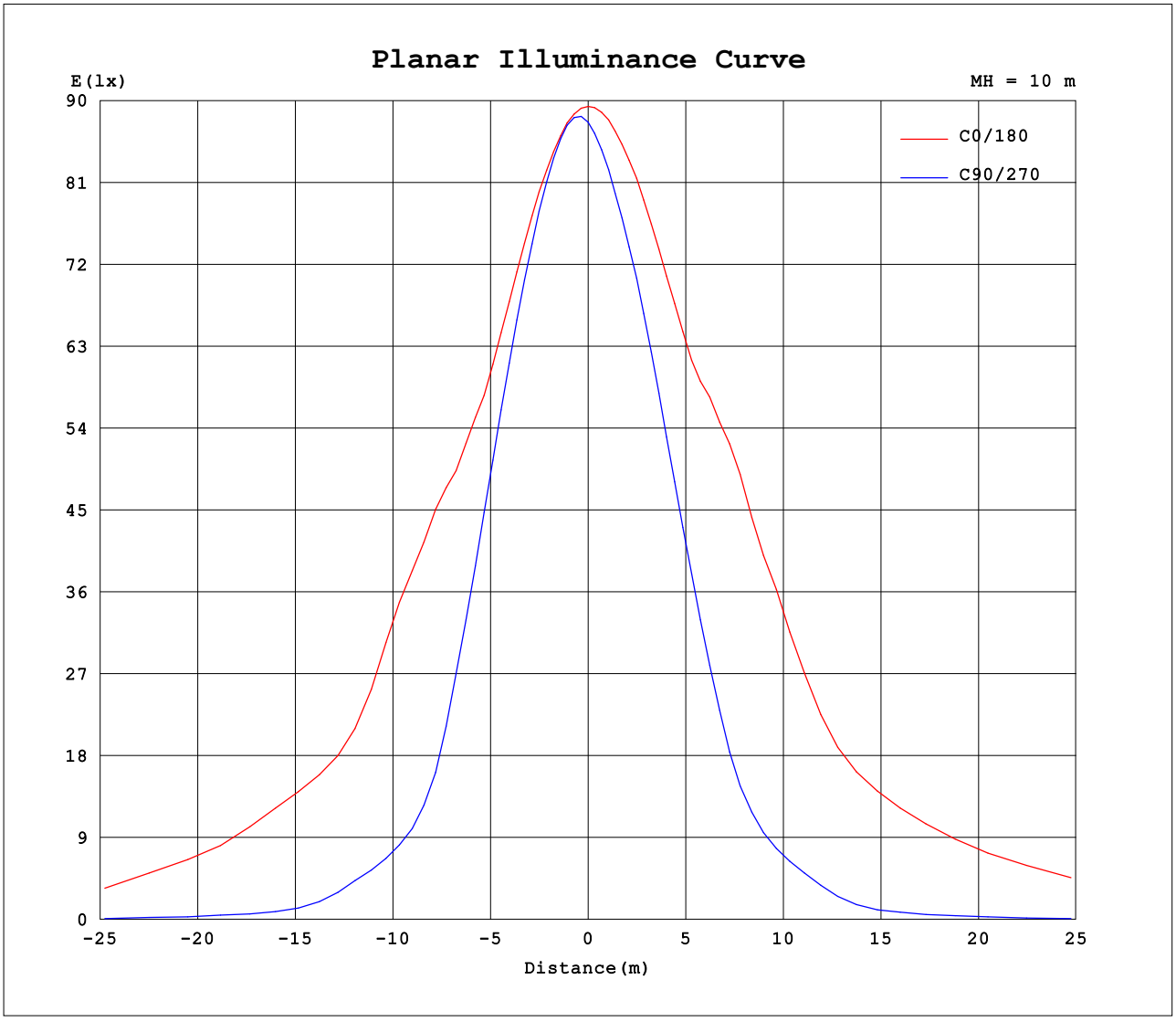
Test:U:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2026-04-22

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:25.3DEG
Operators:
Test Date:2026-04-22

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:

E:\2026年品质中心\4月\4.22\王早兄\2512229波兰S9路灯-100W-200W-6500K\2512229波兰S9路灯-200W-6500K.GOS

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.7V I:0.8353A P:190.5W PF:0.9928 Lamp Flux:25050.3x1 lm		
NAME: 2512229波兰S9路灯-200W-6500K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:036
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	90	180	270															
0	8855	8855	8855	8855															
5	8833	8969	8854	8608															
10	8756	8856	8837	8153															
15	8674	8614	8833	7795															
20	8502	8028	8796	7044															
25	8384	7420	8800	6374															
30	8417	6047	9028	5129															
35	8578	4801	9508	4080															
40	9147	2835	9748	2666															
45	9288	2234	9657	2134															
50	7843	1638	8416	1452															
55	7780	1019	7949	841															
60	8099	570	8355	489															
65	7808	459	8663	401															
70	5048	263	7660	250															
75	2027	201	3110	182															
80	337	135	498	128															
85	101	75.2	126	70.1															
90	15.8	0.41	2.83	0.72															
95	16.0	0.43	1.73	0.55															
100	9.52	0.55	3.68	0.64															
105	8.84	0.64	5.56	0.78															
110	10.8	0.89	8.46	1.10															
115	12.0	1.14	10.1	1.46															
120	13.3	1.78	12.1	2.19															
125	13.9	2.35	13.3	2.81															
130	15.2	3.66	14.8	4.15															
135	15.8	4.79	15.3	5.41															
140	16.7	6.69	15.9	7.62															
145	17.1	8.27	16.3	9.26															
150	17.5	10.5	16.9	11.4															
155	17.6	11.8	17.1	12.8															
160	17.8	13.8	17.1	14.7															
165	17.9	15.0	17.2	15.8															
170	17.5	16.6	17.4	16.9															
175	17.6	17.3	17.7	17.3															
180	18.0	17.9	18.2	17.7															

C Range: 0 - 360DEG
C Interval: 90.0DEG
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