
SJA2-25W-930-30°



Light Output Ratio:	100.0%	
Luminaire Power:	25.06 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2021-12-18

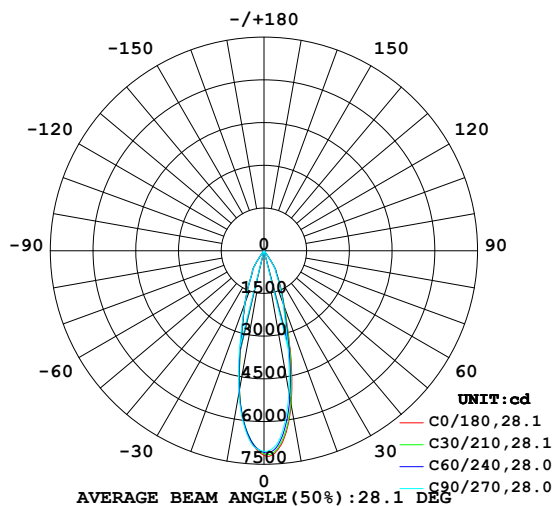
γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 58%
Test Distance: 8.967m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

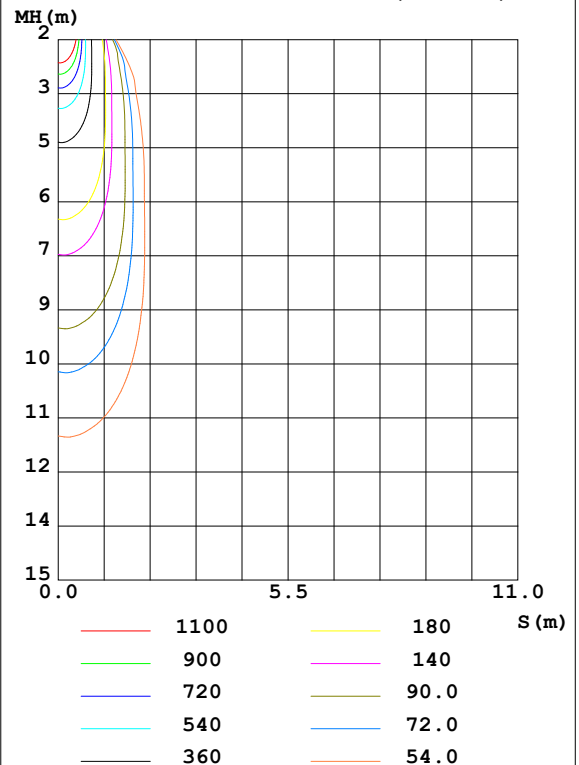
Test:U:35.80V I:0.7000A P:25.06W PF:1.000 Freq:0Hz Lamp Flux:2325.78x1 lm		
NAME: SJA2-25W-930-30°	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 70mm*H150mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.81 lm/W			
MODEL	3000K	I _{max} (cd)	7220	S/MH (C0/180)	0.45
NOMINAL POWER (W)	25	LOR (%)	100.0	S/MH (C90/270)	0.47
RATED VOLTAGE (V)	36	TOTAL FLUX (lm)	2325.8	η UP, DN (C0-180)	0.0, 50.5
NOMINAL FLUX (lm)	2325.78	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE (V)	35.8	η down (%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2021-12-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 58%
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Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	5486	5378	5042	4900	4963	4917	5065	5174	0- 10	579.9	579.9	24.9,24.9
20	2092	2074	1957	1910	1969	1919	1970	1991	10- 20	894.0	1474	63.4,63.4
30	854.3	862.8	821.8	811.3	832.9	807.8	806.9	835.8	20- 30	583.5	2057	88.5,88.5
40	47.30	43.23	41.08	36.78	37.54	40.62	44.91	46.44	30- 40	209.4	2267	97.5,97.5
50	20.63	19.96	20.06	19.93	19.93	19.86	19.48	19.52	40- 50	21.50	2288	98.4,98.4
60	13.58	13.87	14.39	14.38	14.50	13.98	13.22	12.91	50- 60	14.93	2303	99,99
70	7.797	8.129	8.686	9.085	9.266	8.668	7.925	7.570	60- 70	10.75	2314	99.5,99.5
80	4.851	5.048	5.787	6.150	5.993	5.662	5.319	5.008	70- 80	7.073	2321	99.8,99.8
90	0.7996	0.5540	0.1045	0.1045	0.1359	0.1411	0.1463	0.6690	80- 90	4.743	2326	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2279 lm

%lum = 98.0%

%lamp = 98.0%

Conical surface Flux(120deg): 2303.2 lm

%lum = 99.0%

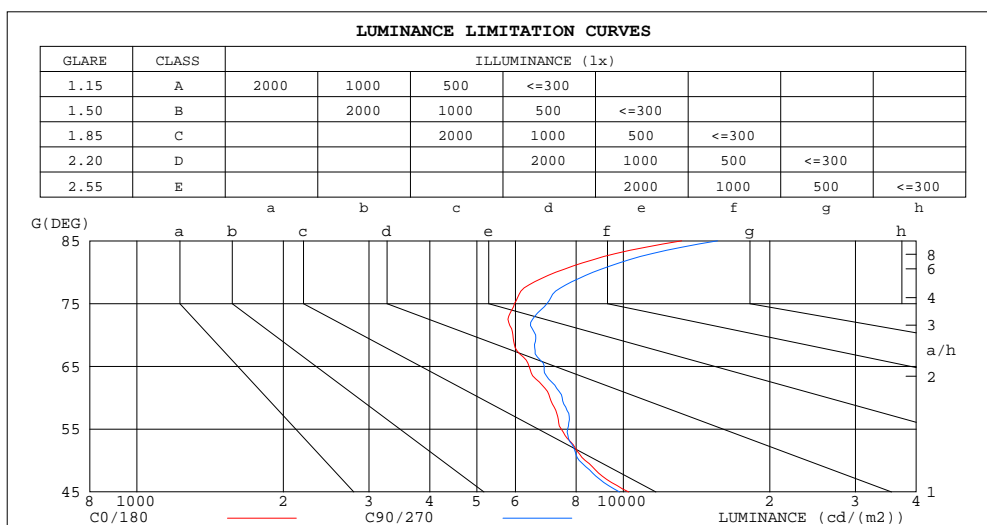
%lamp = 99.0%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-12-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:35.80V I:0.7000A P:25.06W PF:1.000 Freq:0Hz Lamp Flux:2325.78x1 lm		
NAME: SJA2-25W-930-30°	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: ϕ 70mm*H150mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	13177	15610
80	7264	8665
75	5974	6965
70	5927	6603
65	6402	6878
60	7064	7485
55	7455	7685
50	8346	8115
45	10257	9821

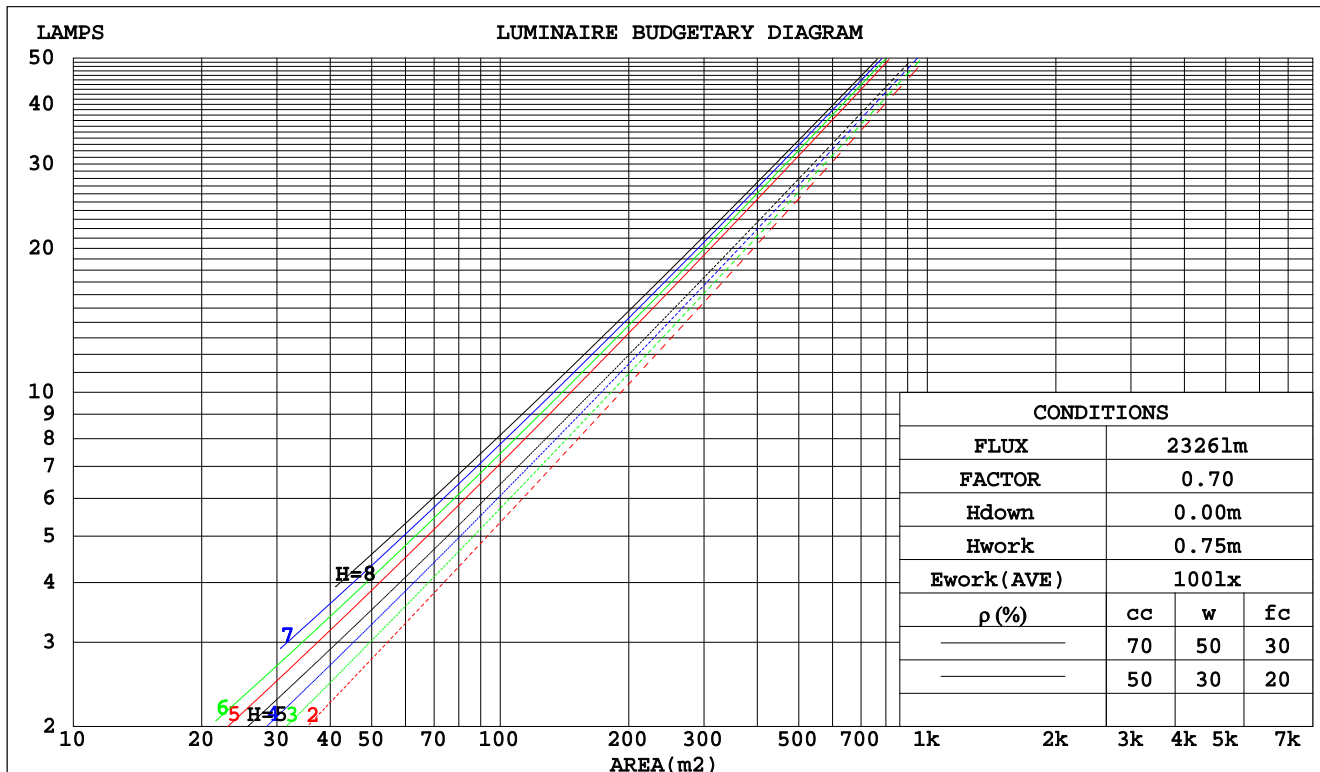
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Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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NAME: SJA2-25W-930-30°	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.91	.94	.91	.89	.92	.90	.88	.87
4.0	.95	.91	.87	.94	.90	.87	.92	.89	.86	.90	.87	.85	.89	.86	.84	.83
5.0	.91	.86	.83	.90	.86	.82	.89	.85	.82	.87	.84	.81	.85	.83	.80	.79
6.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.82	.79	.77	.76
7.0	.83	.79	.75	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.73
8.0	.80	.75	.72	.80	.75	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
9.0	.77	.72	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.74	.70	.67	.74	.69	.66	.73	.69	.66	.73	.69	.66	.72	.68	.66	.65



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C Interval: 15.0DEG
Test Speed: HIGH
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Operators:Jason
Test Date:2021-12-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

WEC AND CCEC

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SPEC.:3000K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

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	.155	.088	.028	.149	.085	.027	.136	.078	.025	.125	.072	.023	.114	.066	.021	
2.0	.145	.079	.024	.139	.077	.024	.129	.072	.022	.119	.067	.021	.111	.063	.020	
3.0	.136	.072	.022	.131	.070	.021	.123	.066	.020	.114	.063	.019	.107	.059	.018	
4.0	.128	.067	.020	.124	.065	.019	.117	.062	.018	.110	.059	.018	.103	.056	.017	
5.0	.121	.062	.018	.118	.060	.018	.111	.058	.017	.105	.056	.017	.100	.053	.016	
6.0	.115	.058	.017	.112	.057	.016	.107	.055	.016	.101	.053	.015	.096	.051	.015	
7.0	.110	.054	.015	.107	.053	.015	.102	.052	.015	.098	.050	.015	.093	.048	.014	
8.0	.105	.051	.014	.102	.050	.014	.098	.049	.014	.094	.048	.014	.090	.046	.013	
9.0	.100	.048	.014	.098	.048	.013	.094	.047	.013	.091	.045	.013	.087	.044	.013	
10.0	.096	.046	.013	.094	.046	.013	.091	.045	.013	.088	.044	.012	.085	.043	.012	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.063	.101	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.102	.069	.045	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.096	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.078	.049	.030	.054	.035	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.074	.045	.026	.051	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-12-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:35.80V I:0.7000A P:25.06W PF:1.000 Freq:0Hz Lamp Flux:2325.78x1 lm										
NAME: SJA2-25W-930-30°					TYPE:Downlight			SERIAL No.:		
SPEC.:3000K					DIM.: φ70mm*H150mm					
MFR.: NEKO LIGHTING AG										
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	15.5	16.3	15.7	16.4	16.6	15.1	15.9	15.3	16.0	16.2
3H	15.5	16.2	15.7	16.4	16.6	15.1	15.8	15.4	16.0	16.2
4H	15.5	16.1	15.7	16.3	16.6	15.1	15.8	15.4	16.0	16.2
6H	15.5	16.1	15.7	16.3	16.6	15.2	15.8	15.5	16.0	16.3
8H	15.5	16.1	15.8	16.3	16.6	15.2	15.8	15.5	16.1	16.3
12H	15.5	16.1	15.9	16.4	16.7	15.3	15.9	15.6	16.2	16.4
4H 2H	15.3	16.0	15.6	16.2	16.4	14.9	15.6	15.2	15.8	16.0
3H	15.3	15.9	15.6	16.2	16.4	15.0	15.6	15.3	15.8	16.1
4H	15.3	15.9	15.7	16.2	16.5	15.0	15.6	15.4	15.9	16.2
6H	15.4	15.9	15.8	16.2	16.5	15.2	15.6	15.5	16.0	16.3
8H	15.5	15.9	15.8	16.3	16.6	15.3	15.7	15.7	16.1	16.4
12H	15.6	16.0	16.0	16.4	16.7	15.5	15.9	15.9	16.2	16.6
8H 4H	15.3	15.7	15.7	16.1	16.4	15.0	15.4	15.4	15.8	16.1
6H	15.4	15.7	15.8	16.1	16.6	15.2	15.5	15.6	15.9	16.3
8H	15.5	15.8	16.0	16.2	16.7	15.4	15.7	15.8	16.1	16.5
12H	15.7	16.0	16.2	16.5	16.9	15.7	16.0	16.2	16.4	16.9
12H 4H	15.2	15.6	15.6	16.0	16.4	14.9	15.3	15.3	15.7	16.1
6H	15.4	15.7	15.8	16.1	16.6	15.2	15.5	15.6	15.9	16.3
8H	15.5	15.8	16.0	16.3	16.7	15.4	15.7	15.9	16.1	16.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 0.8					+ 0.6 / - 0.5				
1.5H	+ 3.4 / - 0.7					+ 1.3 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.4				

CIE Pub.117, 2326 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.9$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-12-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:35.80V I:0.7000A P:25.06W PF:1.000 Freq:0Hz Lamp Flux:2325.78x1 lm		
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SPEC.:3000K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		

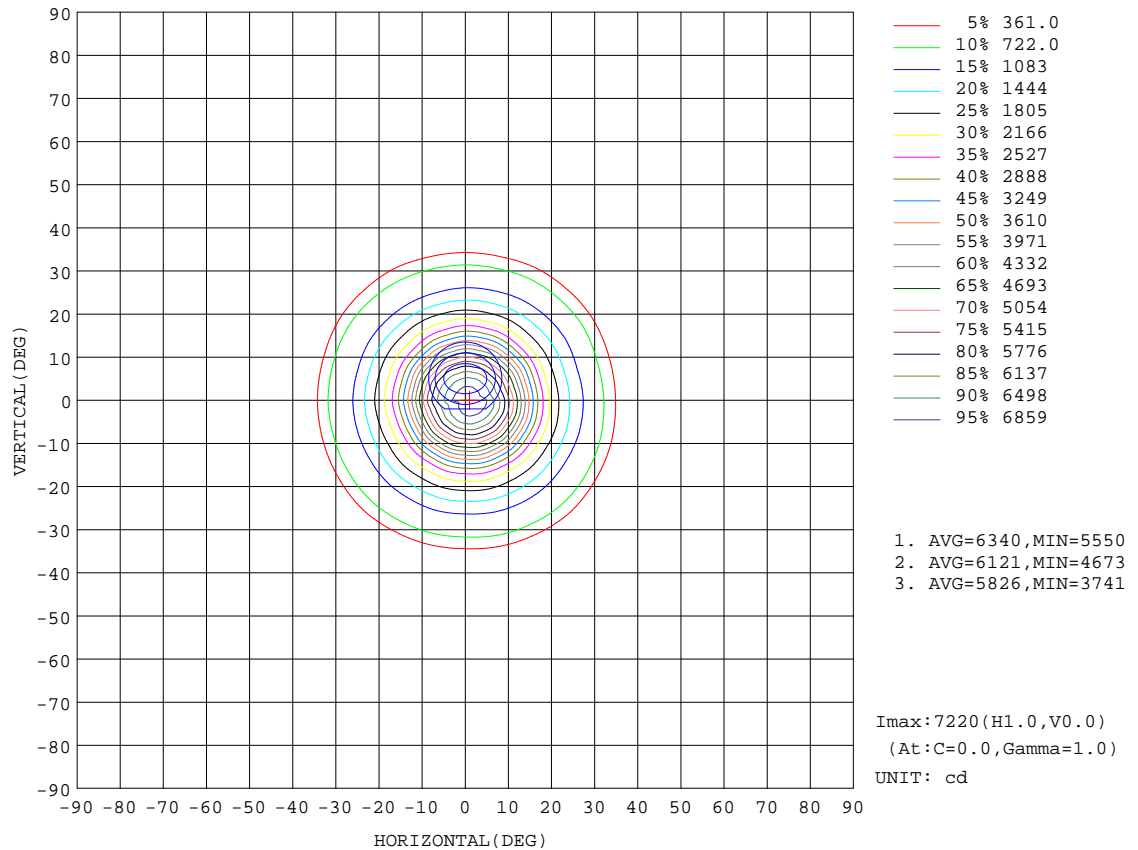
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	90	84	81	89	84	80	77
0.80	97	92	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	99	95	92	88
1.25	105	100	96	104	99	96	102	98	95	91
1.50	107	103	100	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	106	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	98
5.00	115	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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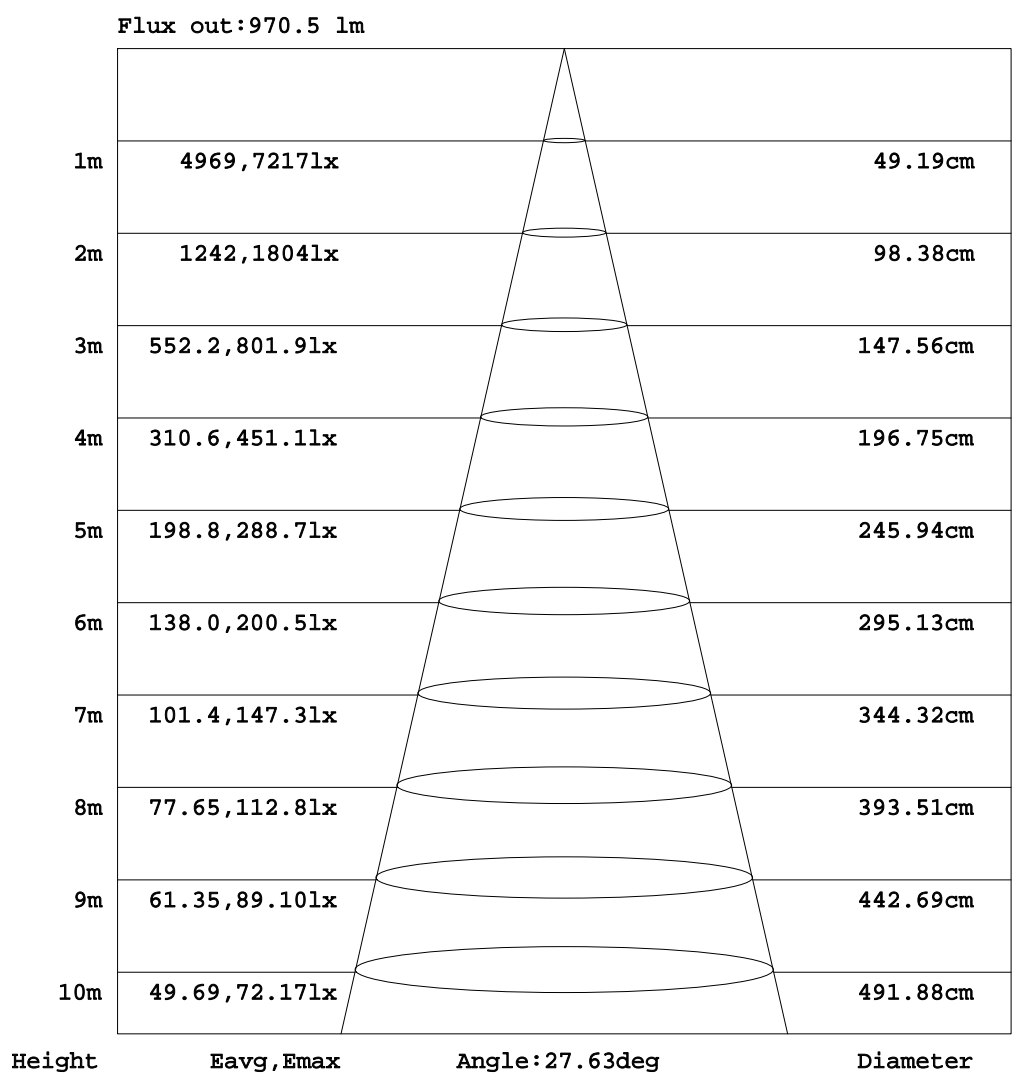


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AAI Figure

Test:U:35.80V I:0.7000A P:25.06W PF:1.000 Freq:0Hz Lamp Flux:2325.78x1 lm		
NAME: SJA2-25W-930-30°	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ70mm*H150mm	
MFR.: NEKO LIGHTING AG		



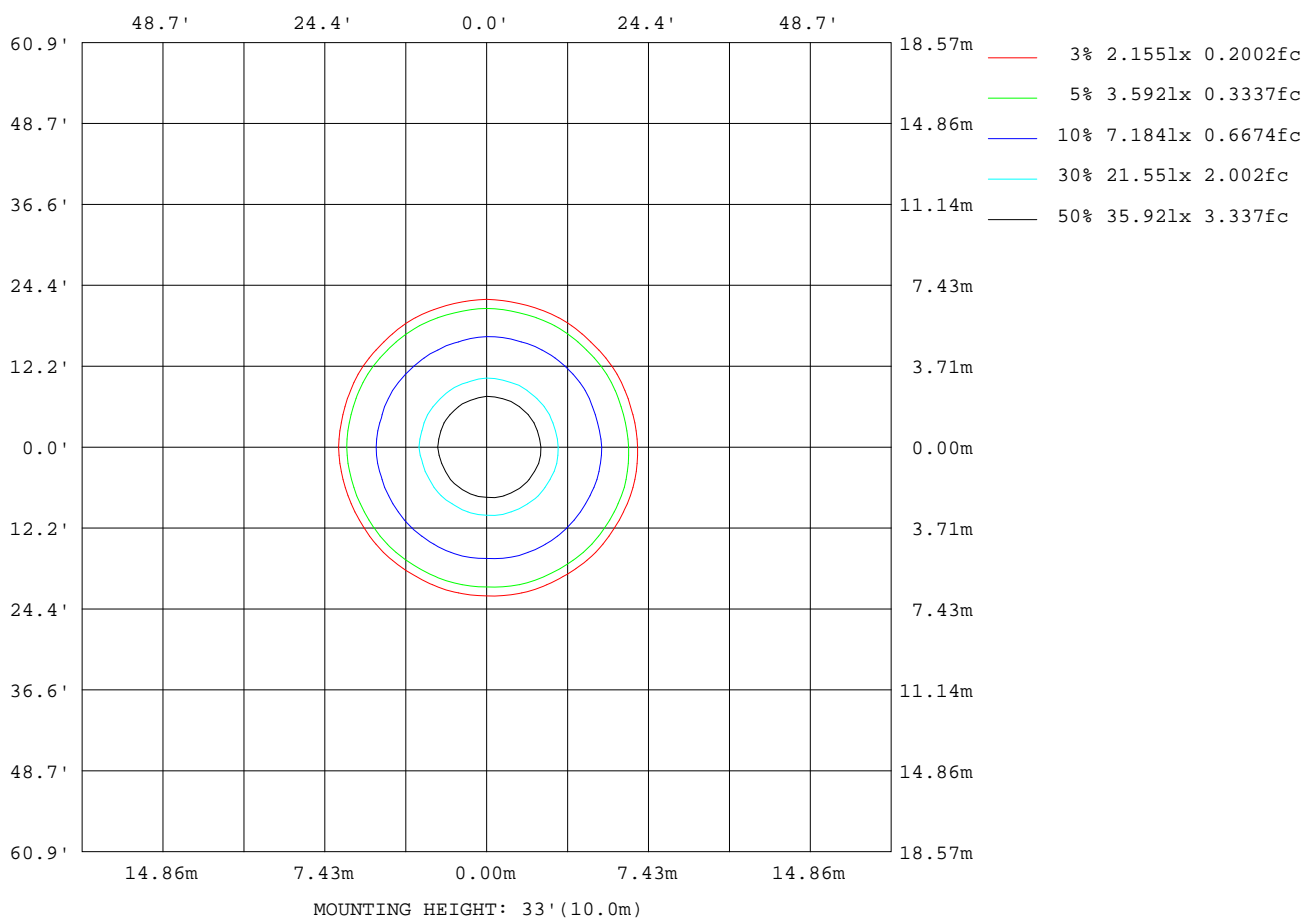
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Remarks:

ISOLUX DIAGRAM

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SPEC.:3000K	DIM.: ϕ 70mm*H150mm	
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LED Avg.L Report

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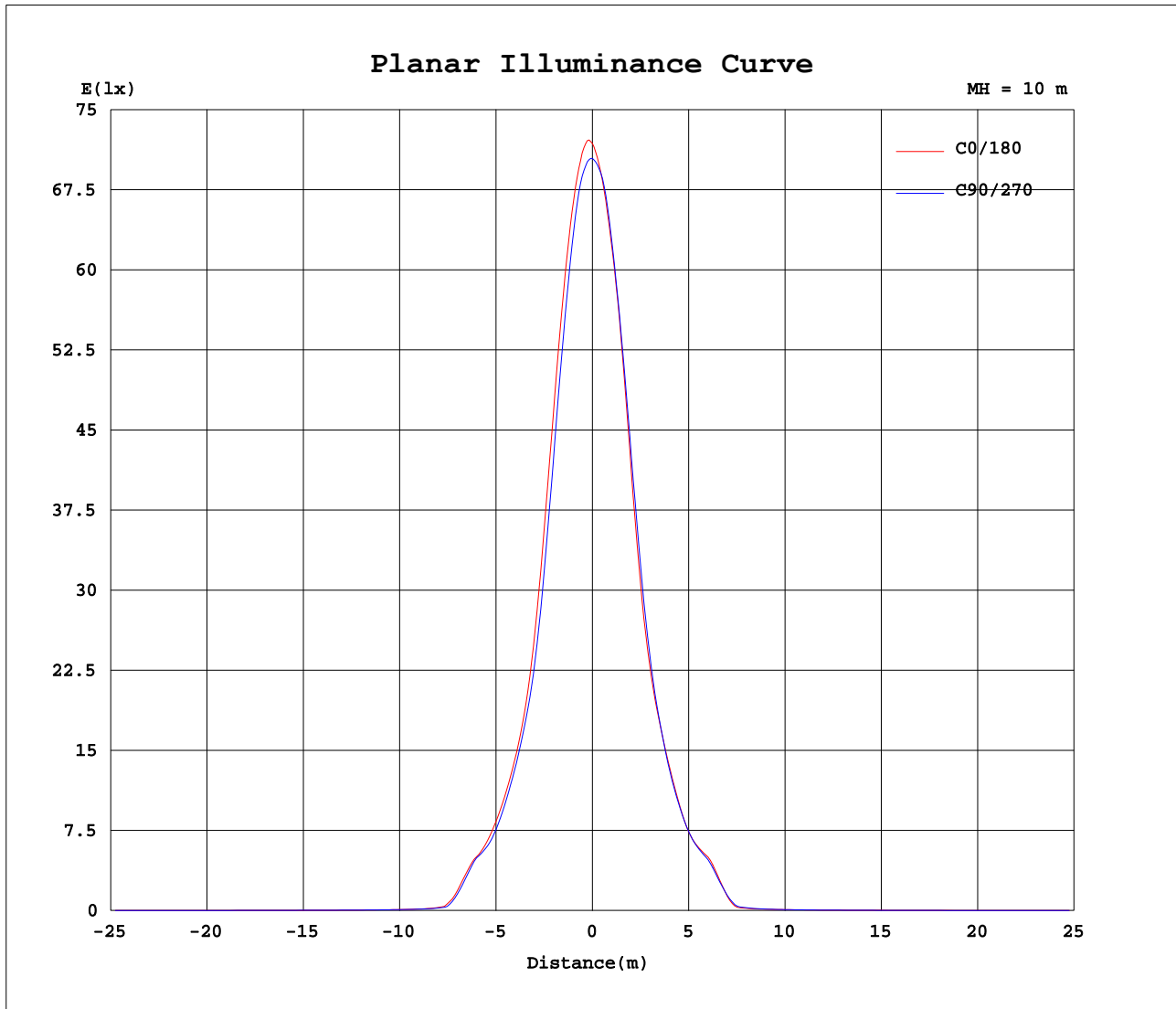
AvgL	cd/m2
L_0~180 (65) av	6768
L_0~180 (75) av	6742
L_0~180 (85) av	14163
L_90~270 (65) av	6576
L_90~270 (75) av	6689
L_90~270 (85) av	15093
L_45 (65) av	6618
L_45 (75) av	6678
L_45 (85) av	14386

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Jason
Test Date:2021-12-18

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Jason
Test Date: 2021-12-18

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 58%
Test Distance: 8.967m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:58%
Test Distance:8.967m [K=1.0000]
Remarks:

```