

SJSC-DW-10W-930-36D



Light Output Ratio:	100.0%	
Luminaire Power:	10.38 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2022-03-08

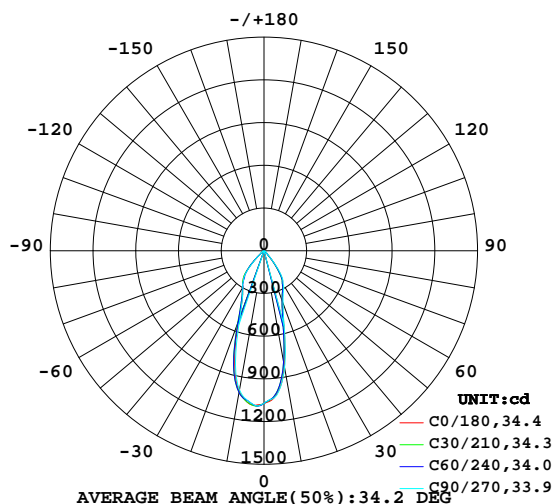
γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 58%  
Test Distance: 8.967m [K=1.0000]  
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

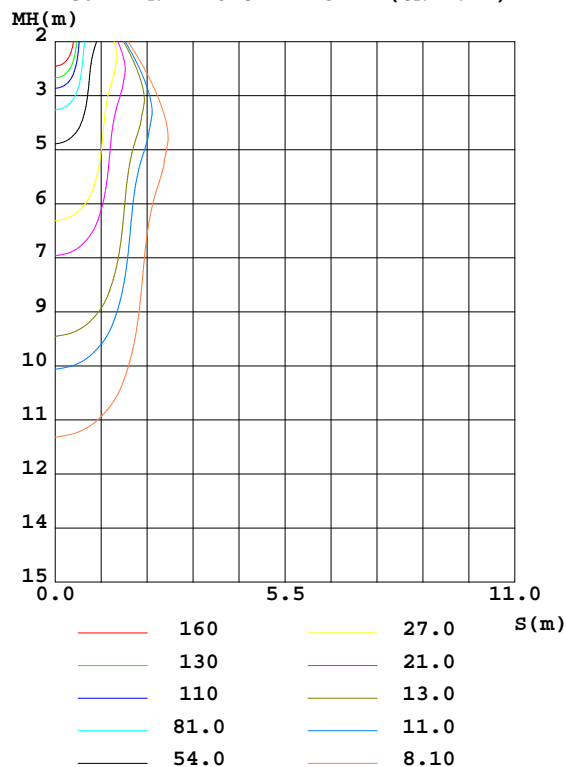
Test:U:221.1V I:0.0492A P:10.38W PF:0.9537 Freq:49.99Hz Lamp Flux:659.955x1 lm		
NAME: SJSC-DW-10W-930-36D	TYPE:Outdoor Light	SERIAL No.:
SPEC.:3000K	DIM.: 135x135x60mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.57 lm/W			
MODEL	Bridgeiux-3000K	I <sub>max</sub> (cd)	1093	S/MH(C0/180)	0.65
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.63
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	659.95	η UP,DN(C0-180)	0.0,45.3
NOMINAL FLUX(lm)	659.955	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	0.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2022-03-08

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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
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Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	822.4	795.1	833.9	935.0	1002	1010	992.1	922.6	0- 10	95.68	95.68	14.5,14.5
20	377.5	372.5	393.1	435.3	514.8	537.5	491.5	418.6	10- 20	182.6	278.3	42.2,42.2
30	264.8	256.9	271.9	288.3	300.3	301.0	298.8	279.0	20- 30	157.3	435.6	66,66
40	95.96	88.42	106.3	151.5	196.9	195.9	186.6	138.5	30- 40	139.1	574.7	87.1,87.1
50	21.63	21.25	24.81	28.82	31.62	32.41	31.89	25.71	40- 50	52.25	627.0	95,95
60	10.43	10.23	11.45	12.79	14.78	15.59	15.82	12.09	50- 60	16.88	643.9	97.6,97.6
70	6.007	6.306	6.715	6.870	7.362	7.883	8.145	6.339	60- 70	9.212	653.1	99,99
80	0.9736	1.609	2.963	3.811	5.055	5.042	4.651	2.114	70- 80	5.803	658.9	99.8,99.8
90	0.0313	0.0339	0.2835	0.0837	0.1095	0.1748	0.5669	0.0471	80- 90	1.083	660.0	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): 611.01 lm

%lum = 92.6%

%lamp = 92.6%

Conical surface Flux(120deg): 643.86 lm

%lum = 97.6%

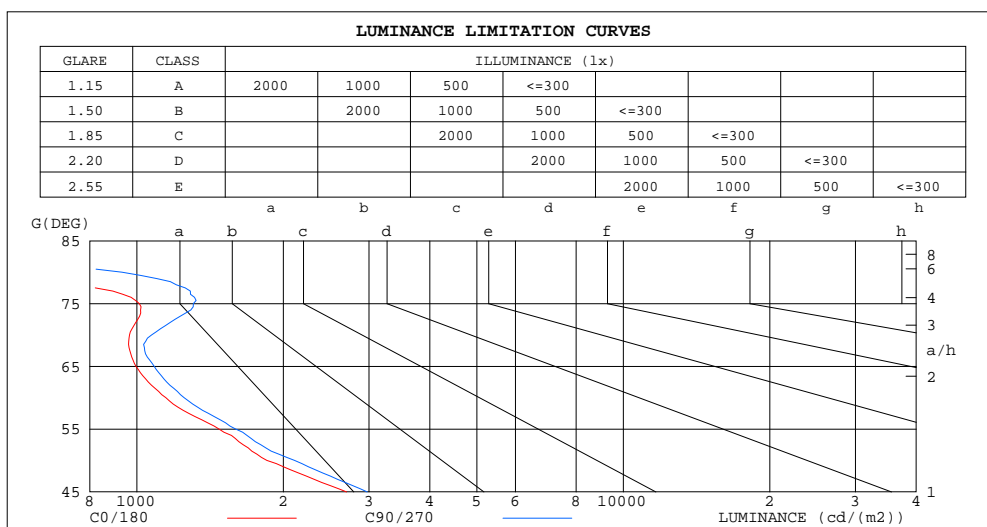
%lamp = 97.6%

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2022-03-08

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:221.1V I:0.0492A P:10.38W PF:0.9537 Freq:49.99Hz Lamp Flux:659.955x1 lm		
NAME: SJSC-DW-10W-930-36D	TYPE:Outdoor Light	SERIAL No.:
SPEC.:3000K	DIM.: 135x135x60mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	30	269
80	308	932
75	1012	1307
70	966	1073
65	995	1085
60	1147	1251
55	1475	1595
50	1850	2109
45	2698	2976

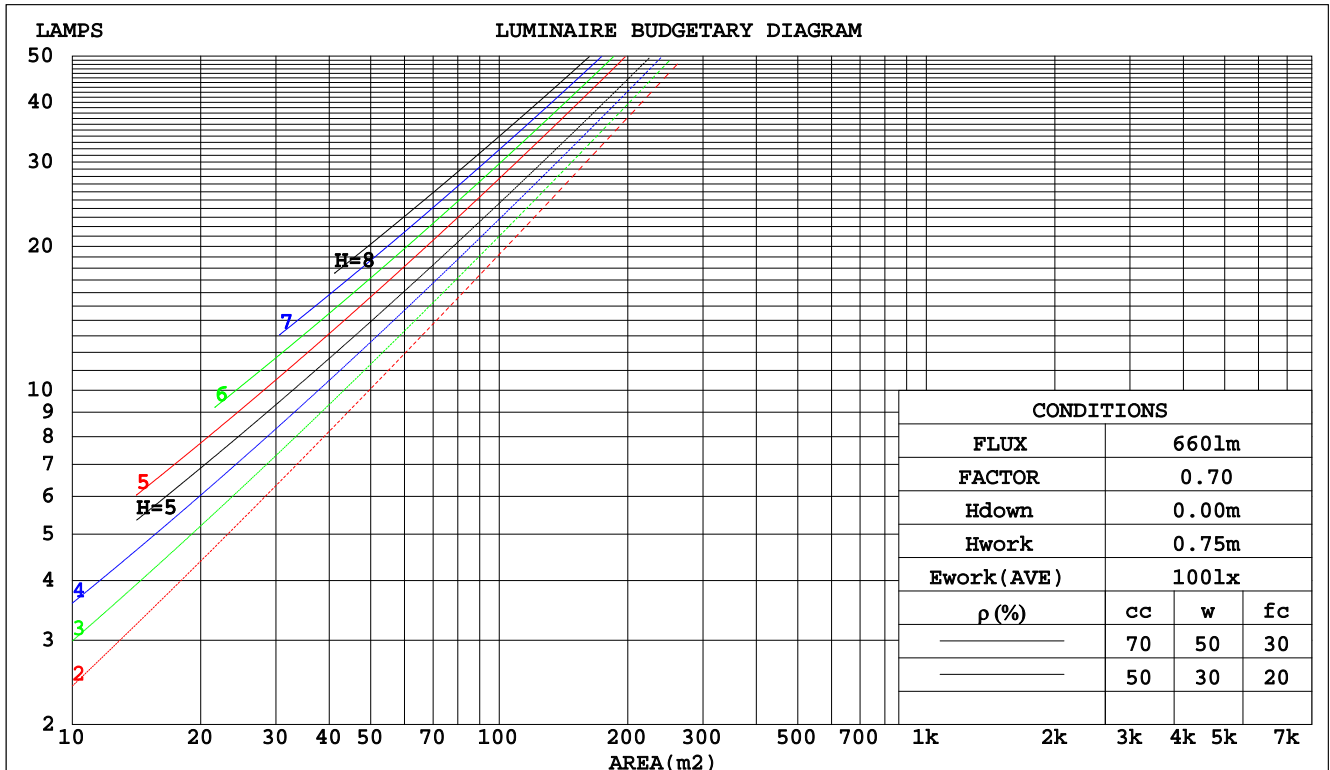
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**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

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NAME: SJSC-DW-10W-930-36D	TYPE:Outdoor Light	SERIAL No.:
SPEC.:3000K	DIM.: 135x135x60mm	
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	1.00
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.02	.98	.95	1.01	.97	.93	.97	.94	.91	.94	.92	.89	.92	.89	.88	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.83	.86	.84	.81	.80
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.80	.76	.82	.78	.76	.74
5.0	.83	.77	.73	.82	.77	.72	.80	.76	.72	.79	.74	.71	.77	.73	.71	.69
6.0	.78	.72	.68	.77	.72	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.65
7.0	.74	.67	.63	.73	.67	.63	.72	.66	.63	.70	.66	.62	.69	.65	.62	.61
8.0	.69	.63	.59	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.57
9.0	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.55	.63	.58	.55	.54
10.0	.62	.57	.53	.62	.56	.53	.61	.56	.53	.60	.56	.52	.60	.55	.52	.51



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Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
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Remarks:

## WEC AND CCEC

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SPEC.:3000K	DIM.: 135x135x60mm	
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	.186	.106	.034	.180	.102	.033	.167	.096	.031	.155	.090	.029	.145	.084	.027		
2.0	.178	.098	.030	.172	.095	.029	.162	.090	.028	.152	.085	.027	.143	.081	.025		
3.0	.169	.090	.027	.164	.088	.026	.155	.084	.026	.146	.080	.025	.139	.077	.024		
4.0	.160	.083	.024	.156	.082	.024	.148	.078	.023	.141	.075	.023	.134	.073	.022		
5.0	.152	.077	.022	.148	.076	.022	.141	.073	.022	.135	.071	.021	.129	.069	.021		
6.0	.144	.072	.021	.141	.071	.020	.135	.069	.020	.129	.067	.020	.124	.065	.019		
7.0	.137	.068	.019	.134	.067	.019	.129	.065	.019	.124	.063	.018	.119	.062	.018		
8.0	.131	.064	.018	.128	.063	.018	.123	.062	.018	.119	.060	.017	.115	.059	.017		
9.0	.125	.060	.017	.122	.060	.017	.118	.058	.017	.114	.057	.016	.110	.056	.016		
10.0	.119	.057	.016	.117	.057	.016	.113	.056	.016	.110	.054	.015	.106	.053	.015		

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.097	.092	.079	.067	.053	.046	.040	.017	.015	.013	
3.0	.145	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.072	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.108	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.096	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.106	.064	.036	.091	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.051	.027	.060	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.096	.055	.027	.083	.048	.024	.058	.033	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2022-03-08

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:221.1V I:0.0492A P:10.38W PF:0.9537 Freq:49.99Hz Lamp Flux:659.955x1 lm										
NAME: SJSC-DW-10W-930-36D					TYPE:Outdoor Light			SERIAL No.:		
SPEC.:3000K					DIM.: 135x135x60mm					
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	13.6	14.6	13.9	14.8	14.9	13.9	14.9	14.1	15.0	15.2
3H	13.7	14.6	14.0	14.8	15.0	14.0	14.9	14.3	15.1	15.3
4H	13.8	14.7	14.1	14.9	15.1	14.2	15.0	14.5	15.2	15.5
6H	13.8	14.6	14.1	14.9	15.1	14.3	15.1	14.6	15.3	15.6
8H	13.8	14.6	14.1	14.8	15.1	14.3	15.0	14.6	15.3	15.6
12H	13.8	14.5	14.1	14.8	15.0	14.2	15.0	14.5	15.2	15.5
4H 2H	13.5	14.4	13.8	14.6	14.8	13.7	14.6	14.0	14.8	15.0
3H	13.7	14.5	14.1	14.7	15.0	14.0	14.7	14.3	15.0	15.3
4H	13.9	14.6	14.3	14.9	15.2	14.3	15.0	14.6	15.3	15.6
6H	14.0	14.6	14.4	14.9	15.3	14.5	15.1	14.9	15.4	15.8
8H	13.9	14.5	14.3	14.8	15.2	14.5	15.0	14.9	15.4	15.7
12H	13.9	14.4	14.3	14.8	15.2	14.4	14.9	14.8	15.3	15.7
8H 4H	14.0	14.5	14.4	14.9	15.2	14.3	14.8	14.7	15.2	15.6
6H	14.0	14.5	14.5	14.9	15.3	14.5	15.0	15.0	15.4	15.8
8H	14.0	14.4	14.4	14.8	15.2	14.5	14.9	14.9	15.3	15.8
12H	13.9	14.3	14.4	14.7	15.2	14.5	14.8	14.9	15.2	15.7
12H 4H	13.9	14.4	14.3	14.8	15.2	14.3	14.8	14.7	15.1	15.5
6H	14.0	14.4	14.4	14.8	15.2	14.5	14.9	14.9	15.3	15.7
8H	13.9	14.3	14.4	14.7	15.2	14.5	14.8	14.9	15.2	15.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 3.3					+ 2.7 / - 2.9				
1.5H	+ 4.8 / - 2.8					+ 4.8 / - 2.6				
2.0H	+ 1.9 / - 1.1					+ 1.9 / - 1.0				

CIE Pub.117, 660.0 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = -1.4$ )

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Temperature:25.3DEG  
Operators:Jason  
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$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:221.1V I:0.0492A P:10.38W PF:0.9537 Freq:49.99Hz Lamp Flux:659.955x1 lm		
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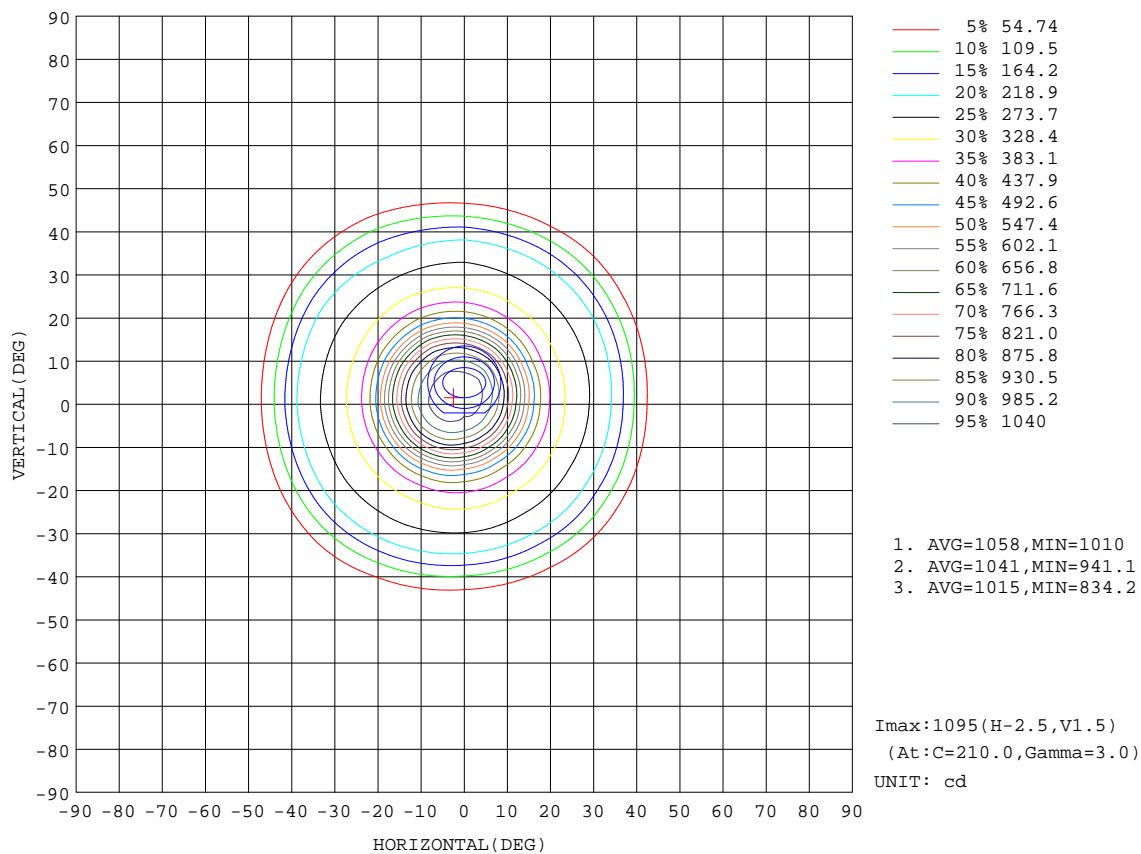
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	84	81	89	84	80	76
1.00	97	90	86	96	90	86	94	90	85	81
1.25	101	95	91	100	95	91	98	93	90	86
1.50	104	99	95	103	98	94	100	96	93	89
2.00	107	103	99	106	101	98	103	99	97	91
2.50	109	105	101	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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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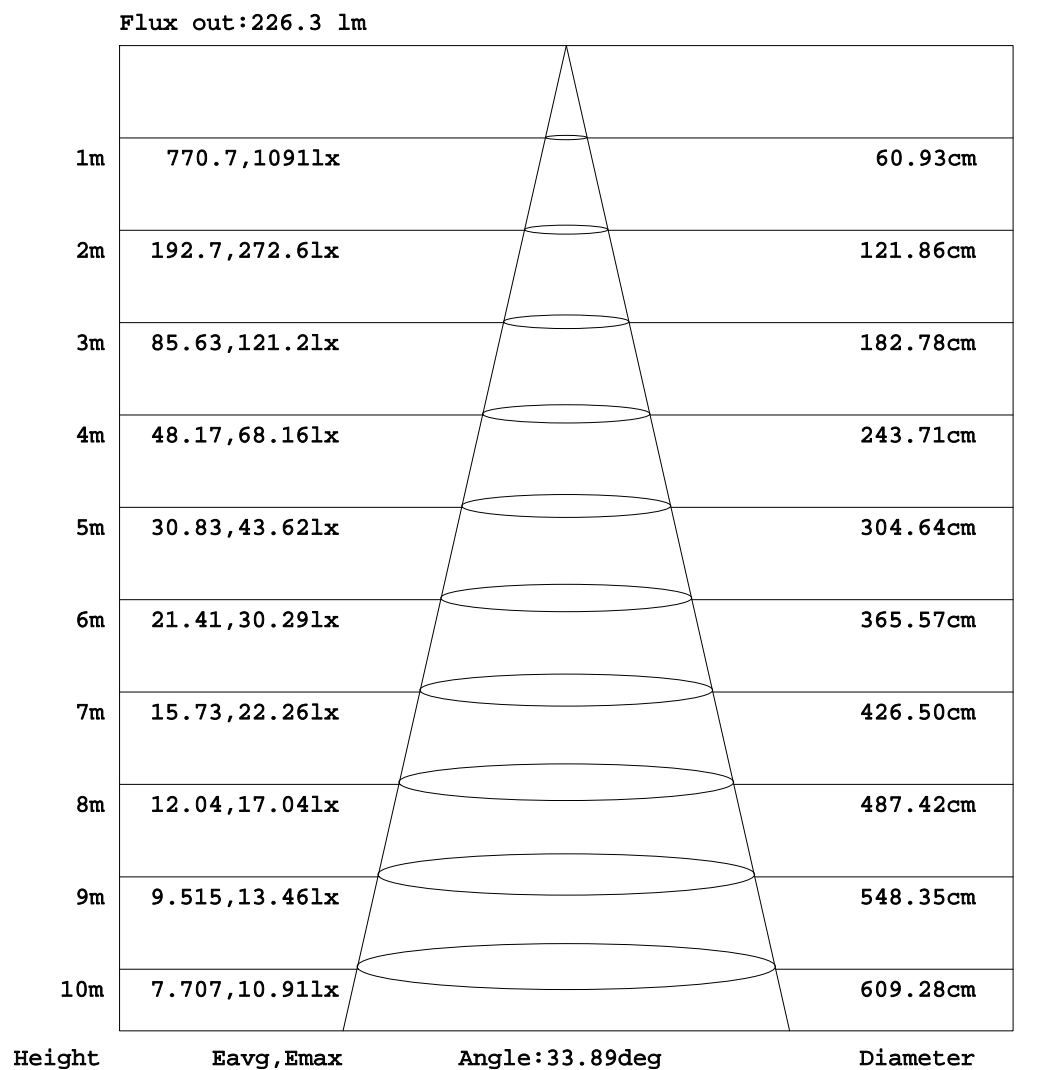


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AAI Figure

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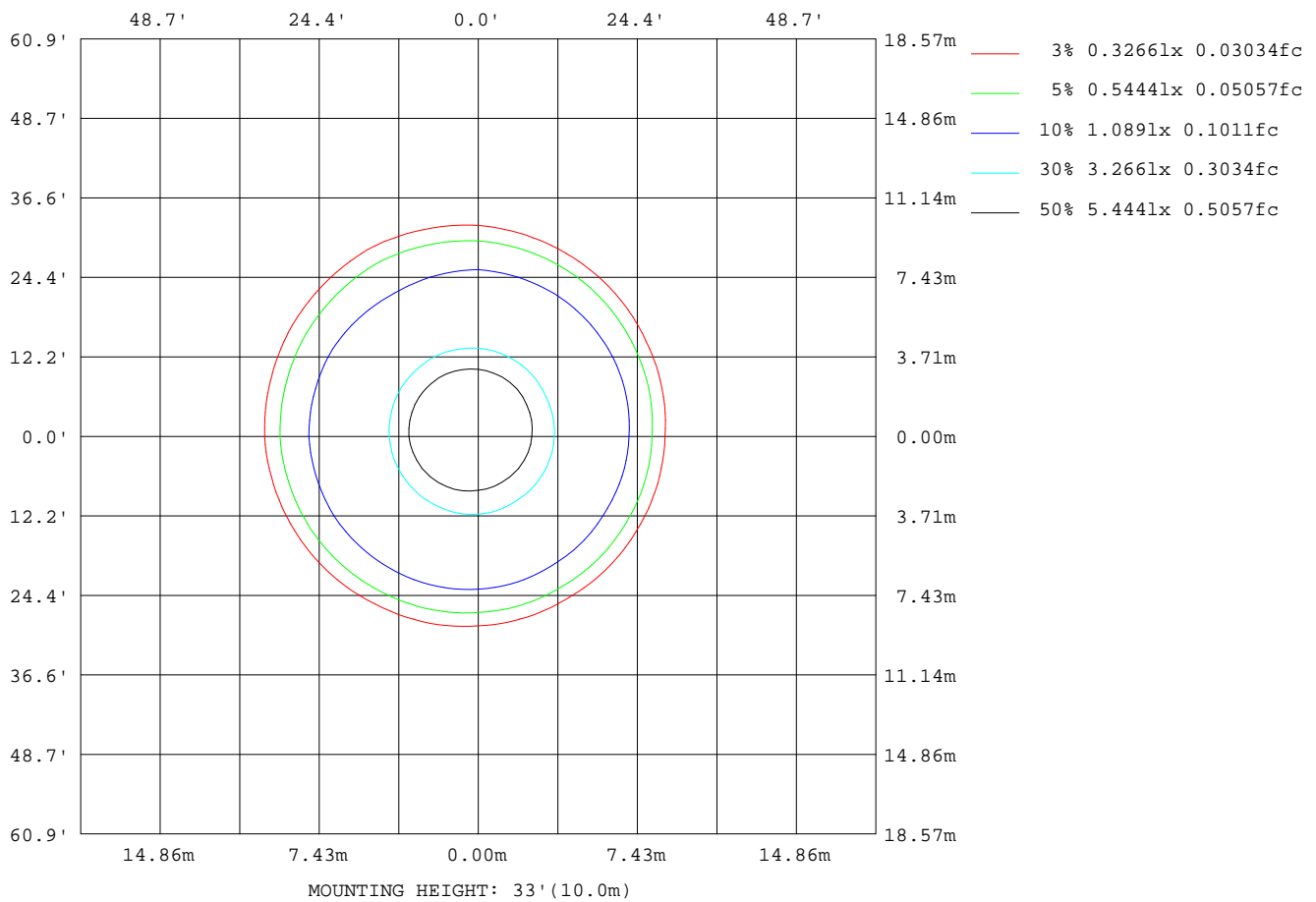
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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### LED Avg.L Report

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SPEC.:3000K	DIM.: 135x135x60mm	
MFR.: NEKO LIGHTING AG		

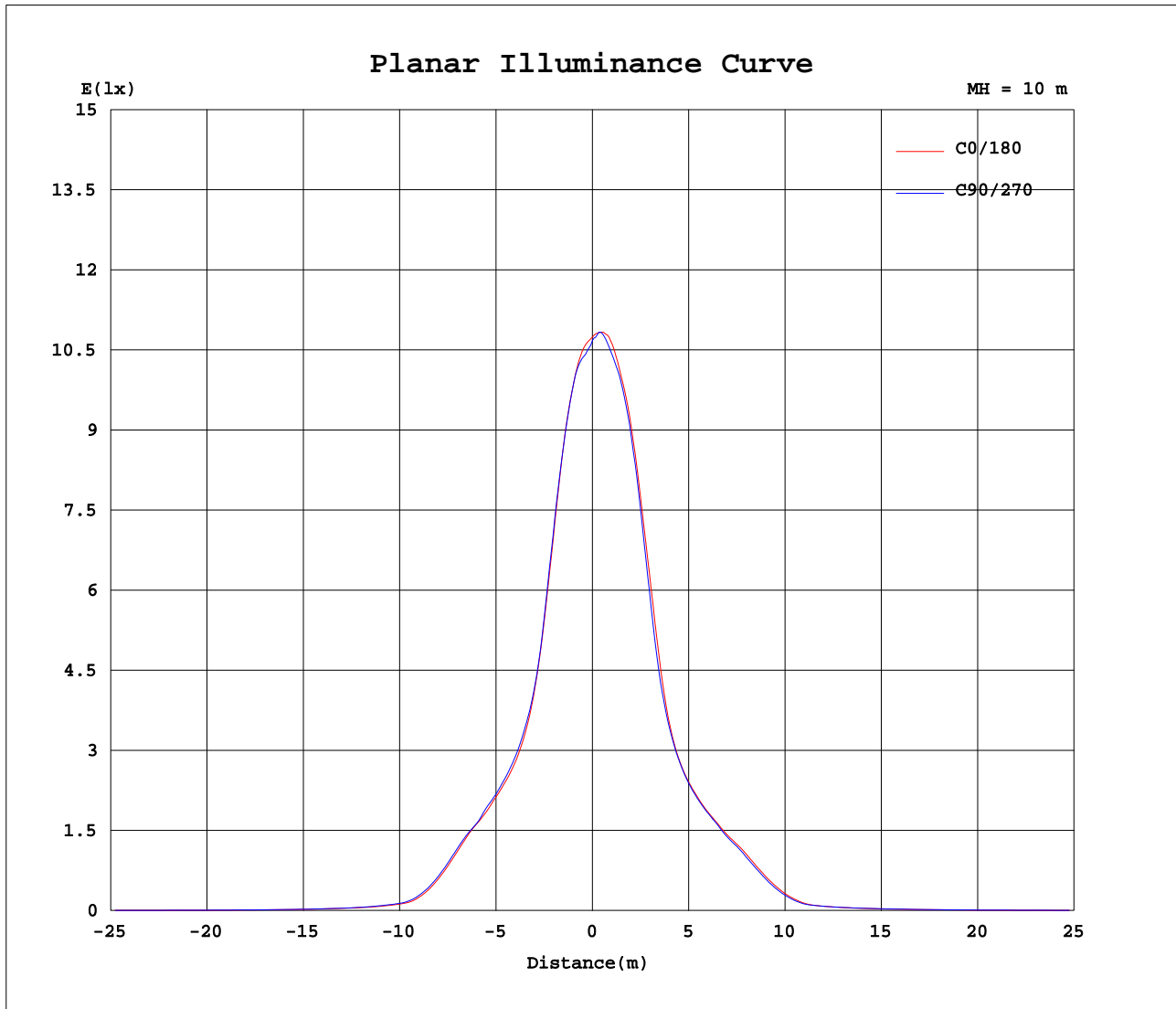
AvgL	cd/m2
L_0~180(65)av	1143
L_0~180(75)av	1152
L_0~180(85)av	502
L_90~270(65)av	1259
L_90~270(75)av	1339
L_90~270(85)av	434
L_45(65)av	1160
L_45(75)av	1189
L_45(85)av	309

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2022-03-08

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: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Jason  
Test Date: 2022-03-08

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:

```