

SKOI-DW-9W-930



Light Output Ratio:	100.0%	
Luminaire Power:	10.74 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.50	fine grid method.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jason
Test Date: 2022-03-07

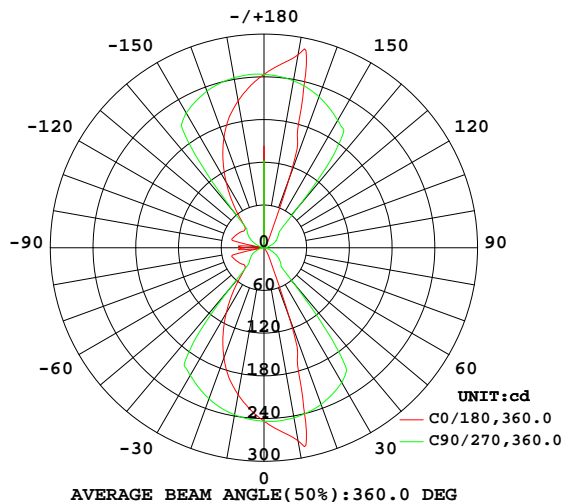
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.967m [K=1.1152]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

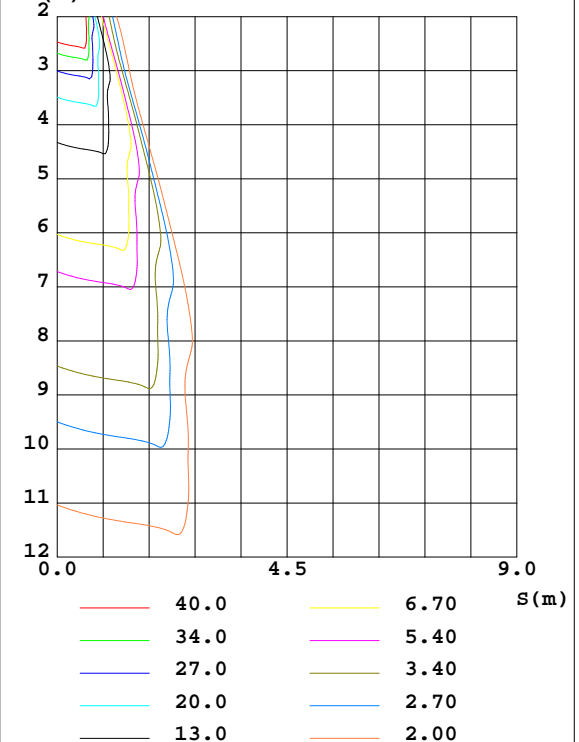
Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.07 lm/W			
MODEL	Zigen-3000K	Imax(cd)	285.2	S/MH(C0/180)	0.81
NOMINAL POWER(W)	11	LOR(%)	100.0	S/MH(C90/270)	1.12
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	570.01	η UP,DN(C0-180)	24.5,24.9
NOMINAL FLUX(lm)	570.014	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.5,25.1
LAMPS INSIDE	1	η up(%)	50.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220.0	η down(%)	50.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
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Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

ZONAL FLUX DIAGRAM

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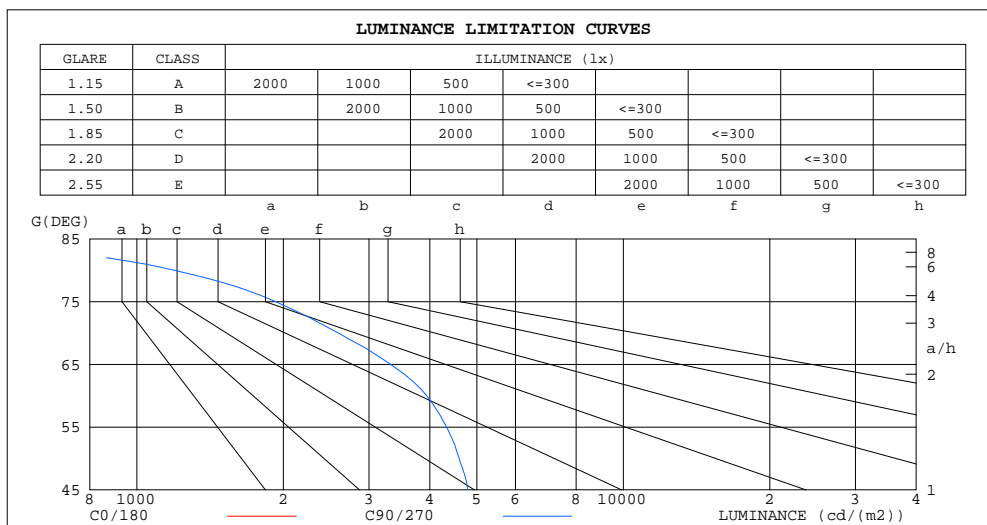
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	275.2	262.8	242.5	220.9	209.5	217.4	238.2	259.4	0- 10	23.11	23.11	4.05,4.05
20	105.8	233.0	234.2	190.3	164.6	183.3	225.8	261.2	10- 20	63.09	86.19	15.1,15.1
30	12.79	22.66	218.5	149.8	106.3	139.2	207.0	91.60	20- 30	72.34	158.5	27.8,27.8
40	1.374	7.642	65.38	96.45	48.15	88.35	75.04	11.29	30- 40	55.41	213.9	37.5,37.5
50	0.4397	0.6955	29.55	41.86	36.88	31.03	25.86	2.042	40- 50	24.11	238.0	41.8,41.8
60	0.3087	0.3139	19.72	31.83	41.24	25.25	19.41	0.3239	50- 60	16.51	254.6	44.7,44.7
70	0.2635	0.1204	8.869	20.11	44.97	15.57	10.62	0.1984	60- 70	14.63	269.2	47.2,47.2
80	0.2133	0.1204	2.073	7.365	11.69	8.119	4.443	0.1709	70- 80	9.724	278.9	48.9,48.9
90	0.2099	0.1723	0.8719	20.65	27.24	5.675	0.1149	0.1256	80- 90	6.093	285.0	50,50
100	0.2133	0.1709	4.443	8.119	11.69	7.365	2.073	0.1208	90-100	6.093	291.1	51.1,51.1
110	0.2635	0.1984	10.62	15.57	44.97	20.11	8.869	0.1240	100-110	9.724	300.8	52.8,52.8
120	0.3087	0.3239	19.41	25.25	41.24	31.83	19.72	0.3138	110-120	14.63	315.5	55.3,55.3
130	0.4397	2.042	25.86	31.03	36.88	41.86	29.55	0.6955	120-130	16.51	332.0	58.2,58.2
140	1.374	11.29	75.04	88.35	48.15	96.45	65.38	7.642	130-140	24.11	356.1	62.5,62.5
150	12.79	91.60	207.0	139.2	106.3	149.8	218.5	22.66	140-150	55.41	411.5	72.2,72.2
160	105.8	261.2	225.8	183.3	164.6	190.3	234.2	233.0	150-160	72.34	483.8	84.9,84.9
170	275.2	259.4	238.2	217.4	209.5	220.9	242.5	262.8	160-170	63.09	546.9	95.9,95.9
180	243.6	243.6	243.6	243.6	243.6	243.6	243.6	243.6	170-180	23.11	570.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	242	337
80	123	1194
75	96	1927
70	77	2593
65	66	3323
60	62	3945
55	63	4330
50	68	4596
45	79	4786

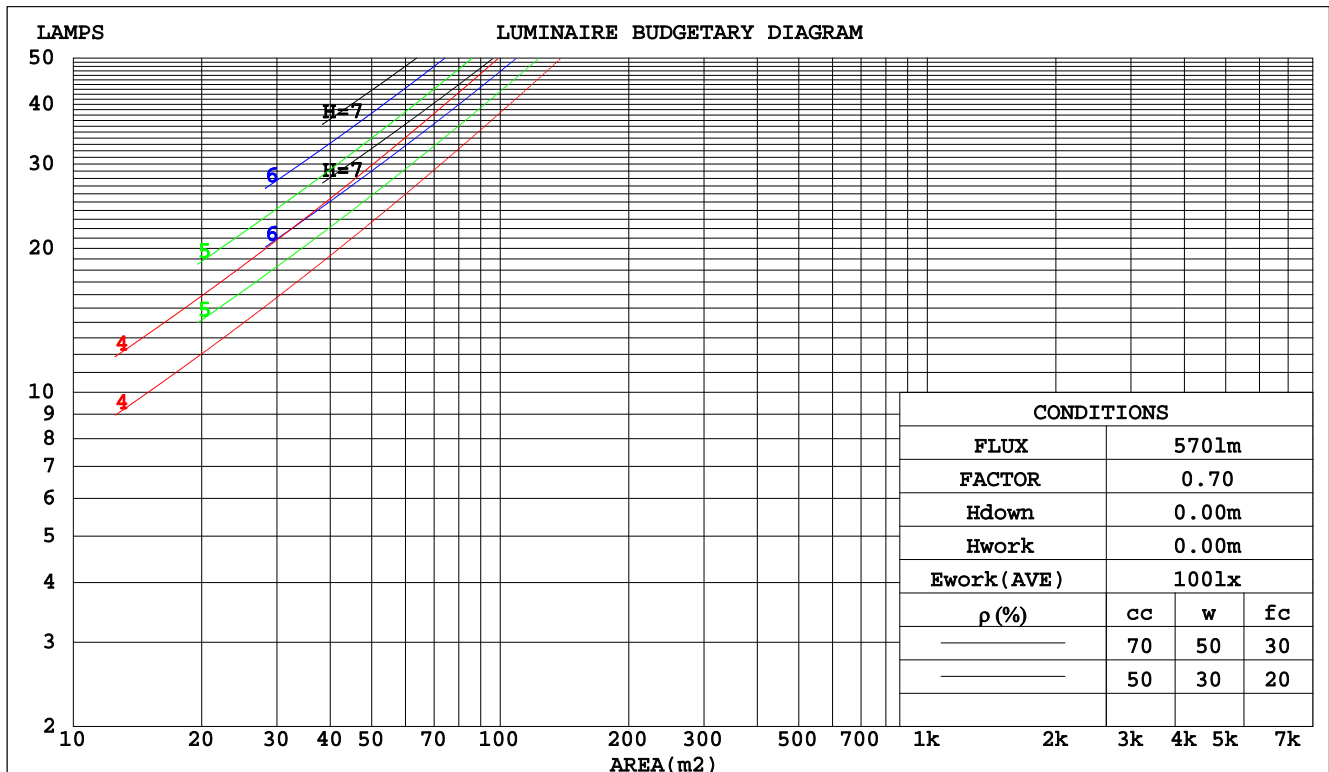
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	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	1.07	1.07	1.07	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50
1.0	.95	.91	.88	.88	.85	.82	.75	.73	.71	.62	.61	.60	.51	.50	.50	.44
2.0	.85	.79	.75	.79	.74	.70	.67	.64	.61	.57	.54	.52	.47	.46	.44	.40
3.0	.76	.70	.64	.71	.65	.61	.61	.57	.53	.52	.49	.46	.43	.41	.40	.36
4.0	.69	.62	.56	.64	.58	.53	.56	.51	.47	.48	.44	.42	.40	.38	.36	.33
5.0	.63	.55	.50	.59	.52	.47	.51	.46	.42	.44	.40	.38	.37	.35	.33	.30
6.0	.57	.50	.45	.54	.47	.43	.47	.42	.38	.41	.37	.34	.35	.32	.30	.27
7.0	.52	.45	.40	.49	.43	.38	.43	.38	.35	.38	.34	.31	.33	.30	.28	.25
8.0	.48	.41	.37	.46	.39	.35	.40	.35	.32	.35	.32	.29	.31	.28	.26	.24
9.0	.45	.38	.33	.42	.36	.32	.38	.33	.29	.33	.29	.27	.29	.26	.24	.22
10.0	.42	.35	.31	.39	.33	.29	.35	.30	.27	.31	.27	.25	.27	.24	.22	.21



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C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

WEC AND CCEC

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NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	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	.250	.142	.045	.228	.130	.041	.187	.107	.034	.149	.086	.028	.114	.066	.021	
2.0	.230	.126	.039	.210	.116	.036	.173	.096	.030	.138	.078	.024	.107	.060	.019	
3.0	.213	.113	.034	.195	.104	.031	.161	.087	.026	.129	.071	.022	.100	.055	.017	
4.0	.198	.103	.030	.181	.095	.028	.150	.079	.024	.121	.065	.020	.094	.051	.015	
5.0	.184	.094	.027	.169	.087	.025	.140	.073	.021	.113	.060	.018	.088	.047	.014	
6.0	.172	.086	.025	.158	.080	.023	.131	.067	.020	.107	.055	.016	.083	.044	.013	
7.0	.161	.080	.023	.148	.074	.021	.124	.063	.018	.101	.052	.015	.079	.041	.012	
8.0	.152	.074	.021	.140	.069	.019	.117	.058	.017	.095	.048	.014	.075	.039	.011	
9.0	.143	.069	.019	.132	.064	.018	.111	.055	.016	.091	.045	.013	.072	.036	.011	
10.0	.136	.065	.018	.125	.060	.017	.105	.051	.015	.086	.043	.012	.068	.034	.010	

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061	
1.0	.560	.541	.523	.479	.464	.450	.328	.319	.311	.189	.185	.181	.060	.059	.059	
2.0	.551	.519	.492	.472	.447	.425	.323	.309	.297	.186	.180	.174	.060	.058	.057	
3.0	.542	.503	.471	.465	.434	.408	.319	.301	.287	.184	.176	.169	.059	.057	.055	
4.0	.535	.490	.456	.459	.424	.397	.315	.295	.279	.182	.173	.165	.059	.056	.054	
5.0	.528	.481	.446	.453	.416	.388	.312	.290	.274	.181	.171	.162	.058	.056	.054	
6.0	.521	.473	.438	.448	.409	.382	.309	.287	.270	.179	.169	.160	.058	.055	.053	
7.0	.515	.466	.432	.443	.404	.377	.306	.283	.267	.178	.167	.159	.057	.055	.053	
8.0	.510	.461	.428	.439	.400	.373	.304	.281	.265	.177	.166	.158	.057	.054	.052	
9.0	.505	.457	.424	.435	.396	.370	.301	.279	.263	.175	.165	.157	.057	.054	.052	
10.0	.500	.453	.421	.431	.393	.368	.299	.277	.261	.174	.164	.156	.057	.054	.052	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm										
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SPEC.:3000K					DIM.: L100*W100*H70mm			SERIAL No.:		
MFR.: NEKO LIGHTING AG					SUR.:L100*W100			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	-6.5	-5.6	-5.6	-4.8	-3.8	12.9	13.7	13.7	14.5	15.6
3H	-6.6	-5.9	-5.7	-5.0	-3.9	13.0	13.7	13.9	14.6	15.7
4H	-6.6	-5.9	-5.7	-5.0	-3.9	13.0	13.7	13.9	14.5	15.7
6H	-6.4	-5.7	-5.4	-4.8	-3.7	12.9	13.6	13.8	14.5	15.6
8H	-6.1	-5.5	-5.2	-4.6	-3.5	12.9	13.5	13.8	14.4	15.5
12H	-5.8	-5.2	-4.8	-4.3	-3.1	12.8	13.4	13.7	14.3	15.4
4H 2H	-6.4	-5.7	-5.5	-4.8	-3.7	12.4	13.1	13.3	14.0	15.1
3H	-6.5	-6.0	-5.6	-5.1	-3.9	12.5	13.0	13.4	14.0	15.1
4H	-6.5	-5.9	-5.5	-5.0	-3.8	12.5	13.0	13.4	13.9	15.1
6H	-6.1	-5.7	-5.2	-4.7	-3.5	12.4	12.8	13.4	13.8	15.0
8H	-5.8	-5.4	-4.8	-4.4	-3.1	12.3	12.7	13.3	13.7	15.0
12H	-5.2	-4.8	-4.2	-3.9	-2.6	12.2	12.6	13.2	13.6	14.9
8H 4H	-6.7	-6.2	-5.7	-5.3	-4.0	12.2	12.6	13.2	13.6	14.8
6H	-6.2	-5.9	-5.2	-4.9	-3.6	12.1	12.4	13.1	13.4	14.7
8H	-5.7	-5.4	-4.7	-4.4	-3.1	12.0	12.3	13.0	13.3	14.6
12H	-4.8	-4.6	-3.8	-3.6	-2.2	11.9	12.2	13.0	13.2	14.5
12H 4H	-6.7	-6.3	-5.7	-5.4	-4.1	12.1	12.5	13.1	13.4	14.7
6H	-6.2	-5.9	-5.2	-4.9	-3.6	12.0	12.3	13.0	13.3	14.6
8H	-5.7	-5.4	-4.6	-4.4	-3.1	11.9	12.2	13.0	13.2	14.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 1.6					+ 5.5 / - 5.8				
1.5H	+ 2.8 / - 1.6					+ 7.8 / -11.4				
2.0H	+ 0.2 / - 0.5					+ 4.7 / -12.6				

CIE Pub.117, 570.0 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -2.0$)

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Operators:Jason
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 γ Interval: 0.5DEG
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Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

UTILIZATION FACTORS TABLE

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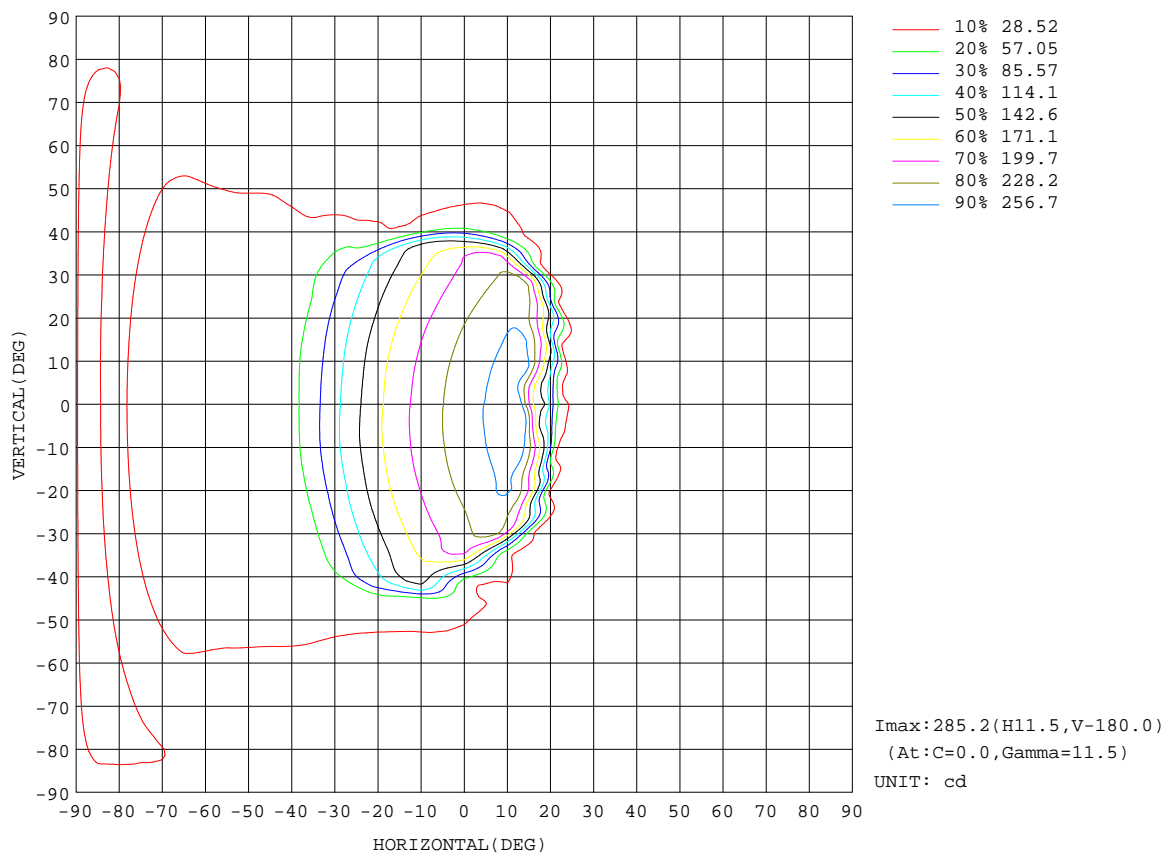
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	44	39	51	43	38	47	40	36	29
0.80	62	53	47	59	50	45	53	46	42	33
1.00	69	59	53	65	56	51	57	52	47	36
1.25	74	65	59	70	62	56	61	56	51	38
1.50	79	70	64	74	66	61	64	59	55	40
2.00	85	77	71	79	72	67	68	63	60	42
2.50	88	81	75	82	76	71	71	66	63	43
3.00	91	85	80	85	79	75	73	69	66	44
4.00	95	90	85	88	84	80	75	72	70	45
5.00	97	93	89	90	86	83	77	74	72	46
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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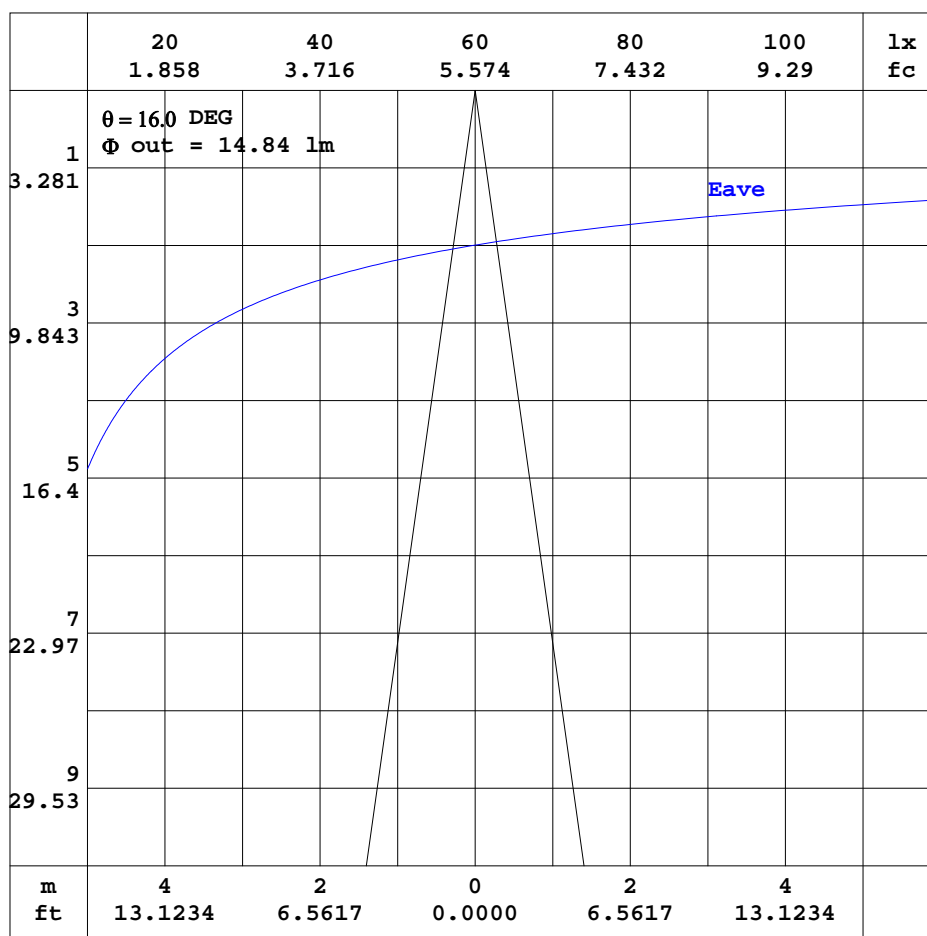


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AAI CURVES

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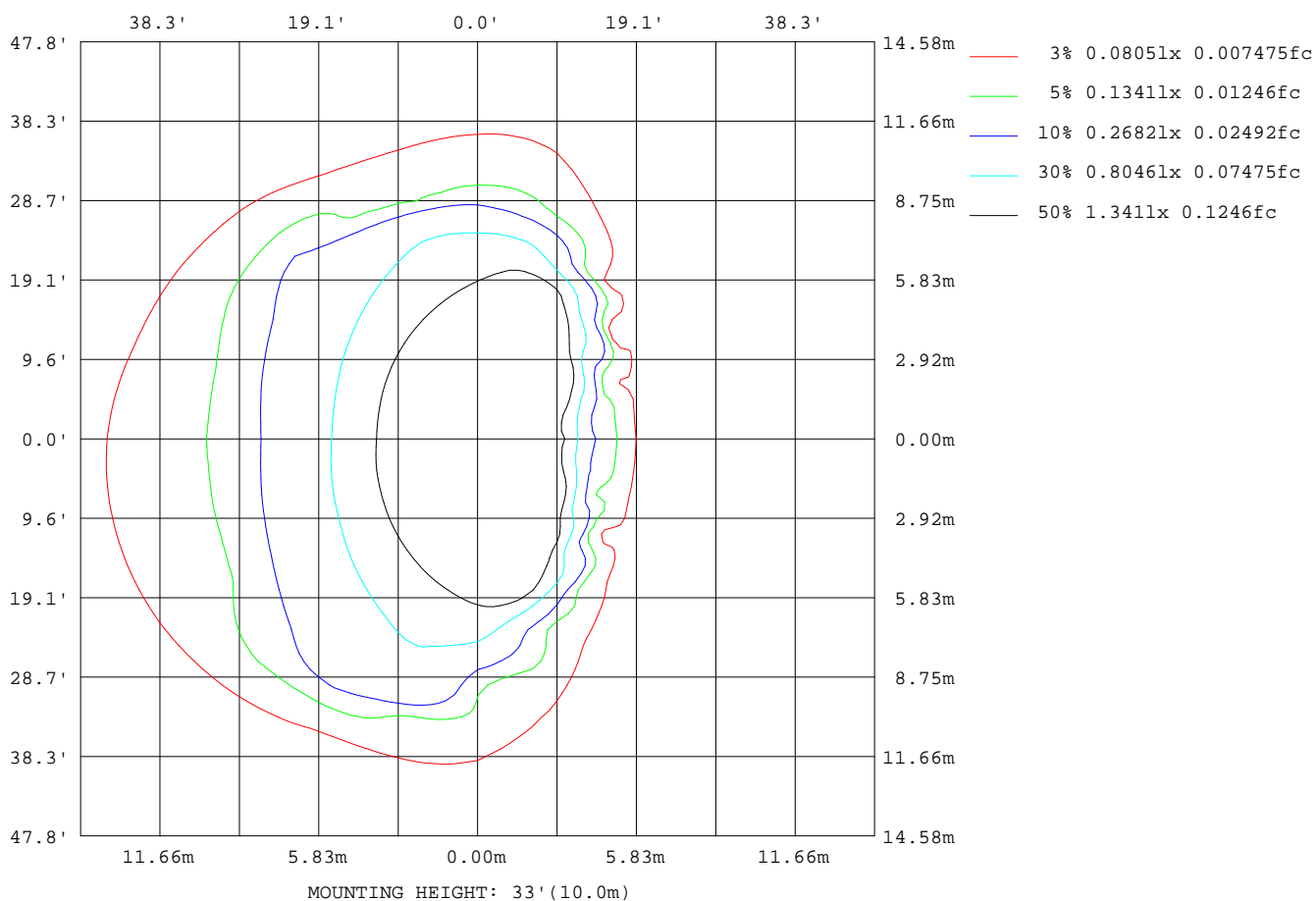
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

ISOLUX DIAGRAM

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LED Avg.L Report

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:

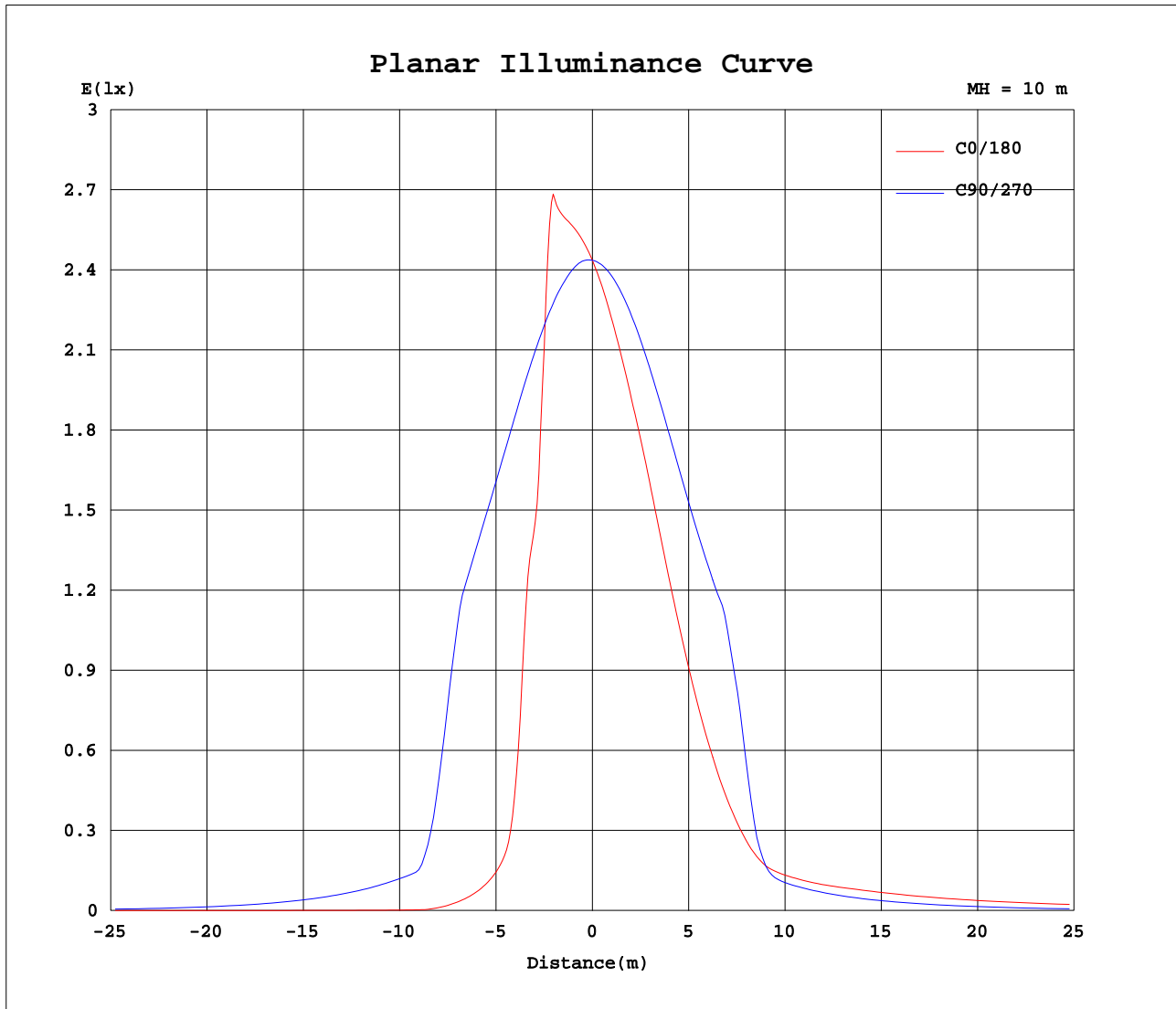
AvgL	cd/m2
L_0~180(65)av	5125
L_0~180(75)av	9086
L_0~180(85)av	19143
L_90~270(65)av	3493
L_90~270(75)av	2309
L_90~270(85)av	1579
L_45(65)av	2990
L_45(75)av	2180
L_45(85)av	3157

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: Jason
Test Date: 2022-03-07

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:

Table--1

UNIT: cd

C(DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
5	258	258	258	258	258	257	257	256	255	254	254	252	251	250	249	248	247	245	244
10	275	274	273	272	271	269	268	266	264	263	261	259	257	255	252	250	248	245	243
15	202	222	238	252	262	269	273	273	272	269	266	263	260	257	254	250	247	243	239
20	106	101	103	112	131	154	179	199	217	233	246	255	261	259	255	248	244	239	234
25	25.2	24.9	24.9	25.0	19.5	18.7	26.9	62.3	105	149	183	210	232	242	247	246	242	235	227
30	12.8	12.7	12.9	13.3	13.9	14.7	16.0	11.6	12.3	22.7	62.1	109	157	193	221	240	239	231	219
35	5.84	5.75	5.87	6.19	6.64	7.36	8.41	9.83	11.7	14.1	15.9	19.3	25.4	34.3	48.7	70.2	113	157	194
40	1.37	1.36	1.47	1.71	2.00	2.47	3.21	4.29	5.74	7.64	10.0	13.0	16.5	20.3	25.3	31.9	38.8	49.4	65.4
45	0.56	0.57	0.60	0.62	0.56	0.57	0.75	1.14	1.87	3.01	4.62	6.88	9.91	14.7	19.9	25.0	26.2	28.6	33.8
50	0.44	0.45	0.46	0.48	0.49	0.51	0.53	0.38	0.38	0.70	1.45	2.83	4.99	8.77	13.1	17.8	22.3	26.3	29.5
55	0.36	0.35	0.35	0.35	0.36	0.38	0.40	0.37	0.38	0.46	0.31	0.57	1.51	4.08	7.43	11.4	16.2	20.8	24.8
60	0.31	0.28	0.26	0.26	0.26	0.27	0.29	0.28	0.28	0.31	0.16	0.23	0.71	1.93	3.82	6.47	10.9	15.5	19.7
65	0.28	0.24	0.21	0.19	0.19	0.19	0.20	0.18	0.18	0.19	0.17	0.25	0.48	0.68	1.36	2.79	6.30	10.2	14.0
70	0.26	0.23	0.21	0.19	0.18	0.17	0.16	0.14	0.12	0.12	0.15	0.21	0.30	0.05	0.10	0.74	3.16	6.01	8.87
75	0.25	0.23	0.21	0.19	0.17	0.16	0.15	0.14	0.12	0.12	0.12	0.13	0.17	0.07	0.14	0.53	1.80	3.35	4.99
80	0.21	0.21	0.20	0.19	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.12	0.09	0.14	0.31	0.73	1.32	2.07
85	0.21	0.21	0.21	0.20	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.09	0.09	0.10	0.12	0.15	0.08	0.10	0.29
90	0.21	0.23	0.25	0.24	0.20	0.18	0.18	0.15	0.15	0.17	0.16	0.14	0.10	0.08	0.00	0.00	0.33	0.60	0.87
95	0.21	0.24	0.26	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.16	0.16	0.16	0.07	0.07	0.24	0.83	1.60	2.46
100	0.21	0.24	0.26	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.16	0.15	0.16	0.02	0.04	0.35	1.61	3.05	4.44
105	0.25	0.26	0.27	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.09	0.08	0.19	0.48	1.02	1.87	3.60	5.40	6.96
110	0.26	0.27	0.27	0.26	0.24	0.21	0.19	0.18	0.19	0.20	0.00	0.00	0.26	1.41	2.95	4.75	6.94	8.99	10.6
115	0.28	0.28	0.28	0.27	0.24	0.21	0.19	0.19	0.21	0.24	0.00	0.00	0.41	2.72	5.56	8.61	11.4	13.8	15.5
120	0.31	0.31	0.31	0.30	0.27	0.25	0.23	0.15	0.16	0.32	0.43	1.03	2.42	6.00	10.1	14.0	16.5	18.3	19.4
125	0.36	0.36	0.36	0.34	0.31	0.29	0.28	0.07	0.07	0.46	1.53	3.28	5.82	10.3	14.9	19.2	21.1	22.2	22.6
130	0.44	0.43	0.41	0.40	0.31	0.28	0.38	0.50	0.99	2.04	4.16	6.96	10.4	15.1	19.8	23.8	25.3	25.9	25.9
135	0.56	0.48	0.47	0.53	0.51	0.68	1.17	2.17	3.69	5.81	8.92	12.5	16.5	21.2	25.5	29.0	30.0	30.2	29.7
140	1.37	1.27	1.46	1.93	2.66	3.69	5.05	6.61	8.64	11.3	14.7	19.0	24.3	31.0	38.6	47.0	56.8	66.5	75.0
145	5.84	5.66	5.88	6.50	7.52	8.94	10.8	10.9	13.0	18.6	29.8	47.4	72.6	120	167	206	211	205	192
150	12.8	12.5	12.8	13.6	11.8	12.8	19.0	35.5	59.6	91.6	143	195	238	245	240	228	222	215	207
155	25.2	20.6	20.9	26.0	34.3	48.7	70.4	109	151	192	219	240	252	251	245	235	229	223	217
160	106	103	108	121	147	177	208	231	249	261	263	260	254	250	245	240	236	231	226
165	202	200	204	213	234	256	275	276	271	264	261	258	255	251	248	244	240	237	233
170	275	275	274	272	270	268	265	263	261	259	257	255	253	251	248	246	243	241	238
175	258	258	257	257	256	256	255	254	253	252	251	250	249	248	247	246	244	243	242
180	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
5	243	242	240	239	238	237	235	234	233	232	231	230	230	229	229	228	228	228	228
10	240	237	235	232	230	227	225	223	221	219	217	215	214	213	212	211	210	210	209
15	235	232	228	224	220	217	213	210	207	204	201	198	196	194	193	191	190	190	189
20	229	224	219	214	209	204	199	195	190	186	182	178	175	173	170	168	166	165	165
25	221	215	209	202	196	189	183	177	172	166	160	155	151	147	144	141	138	136	136
30	211	204	196	188	181	173	165	157	150	142	135	128	123	118	114	111	108	106	106
35	199	193	181	173	163	154	144	134	124	115	106	98.7	92.7	87.7	83.6	79.9	77.2	75.7	76.1
40	99.9	134	162	159	148	131	119	108	96.5	86.3	77.1	69.0	62.8	57.8	54.0	50.9	48.9	48.2	49.2
45	49.9	68.0	85.1	95.9	102	103	94.5	81.9	68.1	58.1	49.5	42.8	39.7	38.3	38.0	37.6	37.5	37.6	37.1
50	30.8	31.2	31.2	31.2	31.4	32.2	35.6	39.0	41.9	41.4	40.0	38.4	38.1	38.0	38.0	37.7	37.3	36.9	36.3
55	26.4	27.2	27.5	28.2	28.8	29.7	31.0	32.6	34.1	35.5	36.9	38.0	38.9	39.5	39.9	40.0	39.8	39.3	38.7
60	21.7	22.9	23.7	24.5	25.3	26.2	27.9	29.8	31.8	34.0	36.2	38.2	39.9	41.2	42.0	42.2	41.9	41.2	40.5
65	16.2	17.7	18.9	19.7	20.4	21.4	23.2	25.5	28.0	30.7	33.5	36.3	39.1	41.5	43.4	43.9	43.7	43.0	42.3
70	10.7	12.2	13.3	13.8	14.2	14.8	16.0	17.8	20.1	23.4	27.2	31.3	36.1	40.6	44.2	45.5	45.7	45.0	44.0
75	6.38	7.62	8.62	9.03	9.29	9.59	10.1	10.9	12.3	14.1	16.9	20.9	28.3	36.0	42.8	45.9	47.2	46.8	44.7
80	3.12	4.22	5.26	5.96	6.50	6.90	7.04	7.16	7.36	7.97	8.71	9.52	10.4	11.2	11.9	12.0	11.9	11.7	11.3
85	1.05	1.91	2.74	3.07	3.30	3.51	3.38	3.67	4.76	8.16	12.2	16.5	19.9	22.9	25.7	29.5	32.2	33.2	28.3
90	1.02	1.14	0.00	0.00	0.39	1.67	7.65	14.4	20.6	22.9	23.6	23.3	21.8	20.2	19.3	21.8	24.8	27.2	26.5
95	3.16	3.96	4.91	6.67	8.28	9.38	7.96	6.53	5.95	9.67	14.0	18.0	17.5	16.7	16.7	22.3	28.3	33.2	32.2
100	5.06	5.51	5.90	6.65	7.37	7.97	8.14	8.17	8.12	8.02	7.99	8.11	8.70	9.43	10.2	10.8	11.3	11.7	11.9
105	7.27	7.26	7.17	7.59	8.10	8.64	8.87	9.26	10.0	11.1	13.1	16.3	22.6	29.7	36.5	41.2	44.7	46.8	47.2
110	10.8	10.5	10.1	10.4	11.0	11.7	12.6	13.9	15.6	17.9	20.9	24.4	29.6	34.8	39.5	42.2	44.0	45.0	45.7
115	15.4	14.9	14.3	14.6	15.3	16.4	18.0	19.9	22.1	24.5	27.1	29.8	33.2	36.4	39.3	41.1	42.3	43.0	43.7
120	19.4	19.1	18.8	19.4	20.3	21.4	22.4	23.6	25.3	27.9	30.7	33.4	35.4	37.0	38.4	39.6	40.5	41.2	41.9
125	22.6	22.4	22.3	22.9	23.8	24.7	25.5	26.4	27.5	29.4	31.4	33.3	34.7	35.9	36.9	37.9	38.7	39.3	39.8
130	25.6	25.3	25.0	25.2	25.8	26.6	27.9	29.5	31.0	32.3	33.5	34.4	34.7	34.9	35.0	35.6	36.3	36.9	37.3
135	29.2	28.6	28.2	27.3	27.6	29.9	39.5	49.5	57.5	55.3	50.3	44.3	41.2	38.9	37.3	36.9	37.1	37.6	37.5
140	79.9	83.5	86.2	89.9	93.0	94.8	94.3	92.1	88.3	81.7	74.3	67.1	62.1	57.9	54.6	51.4	49.2	48.2	48.9
145	184	176	166	157	149	140	131	123	115	107	101	94.4	88.9	84.2	80.4	77.7	76.1	75.7	77.2
150	199	191	183	175	168	161	153	146	139	133	127	122	117	113	110	107	106	106	108
155	210	204	197	191	185	179	173	168	163	158	153	149	145	141	139	137	136	136	138
160	221	216	210	206	201	196	192	187	183	180	177	174	171	168	167	165	165	165	166
165	229	225	221	218	214	211	207	204	201	199	196	194	192	191	190	189	189	190	190
170	236	233	231	228	226	224	221	219	217	216	214	213	212	211	210	209	209	210	210
175	240	239	238	237	236	234	233	232	231	231	230	229	229	228	228	228	228	228	228
180	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244
5	228	228	228	229	229	230	231	231	232	233	234	236	237	238	239	240	242	243	244
10	209	210	211	212	213	214	216	217	219	221	224	226	228	231	233	236	238	241	243
15	189	190	191	192	194	196	199	201	204	207	211	214	218	221	225	229	233	237	240
20	165	167	168	171	174	177	180	183	187	192	196	201	206	210	216	221	226	231	236
25	137	139	141	145	149	153	158	163	168	173	179	185	191	197	204	210	217	223	229
30	107	110	113	117	122	127	133	139	146	153	161	168	175	183	191	199	207	215	222
35	77.7	80.4	84.2	88.9	94.4	101	107	115	123	131	140	149	157	166	176	184	192	205	211
40	51.4	54.6	57.9	62.1	67.1	74.3	81.7	88.3	92.1	94.3	94.8	93.0	89.9	86.2	83.5	79.9	75.0	66.5	56.8
45	36.9	37.3	38.9	41.2	44.3	50.3	55.3	57.5	49.5	39.5	29.9	27.6	27.3	28.2	28.6	29.2	29.7	30.2	30.0
50	35.6	35.0	34.9	34.7	34.4	33.5	32.3	31.0	29.5	27.9	26.6	25.8	25.2	25.0	25.3	25.6	25.9	25.9	25.3
55	37.9	36.9	35.9	34.7	33.3	31.4	29.4	27.5	26.4	25.5	24.7	23.8	22.9	22.3	22.4	22.6	22.6	22.2	21.1
60	39.6	38.4	37.0	35.4	33.4	30.7	27.9	25.3	23.6	22.4	21.4	20.3	19.4	18.8	19.1	19.4	19.4	18.3	16.5
65	41.1	39.3	36.4	33.2	29.8	27.1	24.5	22.1	19.9	18.0	16.4	15.3	14.6	14.3	14.9	15.4	15.5	13.8	11.4
70	42.2	39.5	34.8	29.6	24.4	20.9	17.9	15.6	13.9	12.6	11.7	11.0	10.4	10.1	10.5	10.8	10.6	8.99	6.94
75	41.2	36.5	29.7	22.6	16.3	13.1	11.1	10.0	9.26	8.87	8.64	8.10	7.59	7.17	7.26	7.27	6.96	5.40	3.60
80	10.8	10.2	9.43	8.70	8.11	7.99	8.02	8.12	8.17	8.14	7.97	7.37	6.65	5.90	5.51	5.06	4.44	3.05	1.61
85	22.3	16.7	16.7	17.5	18.0	14.0	9.67	5.95	6.53	7.96	9.38	8.28	6.67	4.91	3.96	3.16	2.46	1.60	0.83
90	24.9	22.7	21.4	19.9	17.8	13.8	9.55	5.67	3.75	2.57	1.92	1.54	1.37	1.27	0.86	0.46	0.11	0.03	0.03
95	29.5	25.7	22.9	19.9	16.5	12.2	8.16	4.76	3.67	3.38	3.51	3.30	3.07	2.74	1.91	1.05	0.29	0.10	0.08
100	12.0	11.9	11.2	10.4	9.52	8.71	7.97	7.36	7.16	7.04	6.90	6.50	5.96	5.26	4.22	3.12	2.07	1.32	0.73
105	45.9	42.8	36.0	28.3	20.9	16.9	14.1	12.3	10.9	10.1	9.59	9.29	9.03	8.62	7.62	6.38	4.99	3.35	1.80
110	45.5	44.2	40.6	36.1	31.3	27.2	23.4	20.1	17.8	16.0	14.8	14.2	13.8	13.3	12.2	10.7	8.87	6.01	3.16
115	43.9	43.4	41.5	39.1	36.3	33.5	30.7	28.0	25.5	23.2	21.4	20.4	19.7	18.9	17.7	16.2	14.0	10.2	6.30
120	42.2	42.0	41.2	39.9	38.2	36.2	34.0	31.8	29.8	27.9	26.2	25.3	24.5	23.7	22.9	21.7	19.7	15.5	10.9
125	40.0	39.9	39.5	38.9	38.0	36.9	35.5	34.1	32.6	31.0	29.7	28.8	28.2	27.5	27.2	26.4	24.8	20.8	16.2
130	37.7	38.0	38.0	38.1	38.4	40.0	41.4	41.9	39.0	35.6	32.2	31.4	31.2	31.2	31.2	30.8	29.5	26.3	22.3
135	37.6	38.0	38.3	39.7	42.8	49.5	58.1	68.1	81.9	94.5	103	102	95.9	85.1	68.0	49.9	33.8	28.6	26.2
140	50.9	54.0	57.8	62.8	69.0	77.1	86.3	96.5	108	119	131	148	159	162	134	99.9	65.4	49.4	38.8
145	79.9	83.6	87.7	92.7	98.7	106	115	124	134	144	154	163	173	181	193	199	194	157	113
150	111	114	118	123	128	135	142	150	157	165	173	181	188	196	204	211	219	231	239
155	141	144	147	151	155	160	166	172	177	183	189	196	202	209	215	221	227	235	242
160	168	170	173	175	178	182	186	190	195	199	204	209	214	219	224	229	234	239	244
165	191	193	194	196	198	201	204	207	210	213	217	220	224	228	232	235	239	243	247
170	211	212	213	214	215	217	219	221	223	225	227	230	232	235	237	240	243	245	248
175	228	229	229	230	230	231	232	233	234	235	237	238	239	240	242	243	244	245	247
180	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.9V I:0.0507A P:10.74W PF:0.9582 Freq:49.99Hz Lamp Flux:570.014x1 lm		
NAME: SKOI-DW-9W-930	TYPE:Downlight	WEIGHT:
SPEC.:3000K	DIM.: L100*W100*H70mm	SERIAL No.:
MFR.: NEKO LIGHTING AG	SUR.:L100*W100	Shielding Angle:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244				
5	246	247	248	249	250	251	252	253	254	255	256	256	257	257	258				
10	246	248	251	253	255	257	259	261	263	265	268	270	272	274	275				
15	244	248	251	255	258	261	264	271	276	275	256	234	213	204	200				
20	240	245	250	254	260	263	261	249	231	208	177	147	121	108	103				
25	235	245	251	252	240	219	192	151	109	70.4	48.7	34.3	26.0	20.9	20.6				
30	228	240	245	238	195	143	91.6	59.6	35.5	19.0	12.8	11.8	13.6	12.8	12.5				
35	206	167	120	72.6	47.4	29.8	18.6	13.0	10.9	10.8	8.94	7.52	6.50	5.88	5.66				
40	47.0	38.6	31.0	24.3	19.0	14.7	11.3	8.64	6.61	5.05	3.69	2.66	1.93	1.46	1.27				
45	29.0	25.5	21.2	16.5	12.5	8.92	5.81	3.69	2.17	1.17	0.68	0.51	0.53	0.47	0.48				
50	23.8	19.8	15.1	10.4	6.96	4.16	2.04	0.99	0.50	0.38	0.28	0.31	0.40	0.41	0.43				
55	19.2	14.9	10.3	5.82	3.28	1.53	0.46	0.07	0.07	0.28	0.29	0.31	0.34	0.36	0.36				
60	14.0	10.1	6.00	2.42	1.03	0.43	0.32	0.16	0.15	0.23	0.25	0.27	0.30	0.31	0.31				
65	8.61	5.56	2.72	0.41	0.00	0.00	0.24	0.21	0.19	0.20	0.21	0.24	0.27	0.28	0.28				
70	4.75	2.95	1.41	0.26	0.00	0.00	0.20	0.19	0.18	0.19	0.21	0.24	0.26	0.27	0.27				
75	1.87	1.02	0.48	0.19	0.08	0.09	0.17	0.17	0.18	0.19	0.21	0.24	0.26	0.27	0.26				
80	0.35	0.04	0.02	0.16	0.15	0.16	0.17	0.17	0.18	0.19	0.21	0.24	0.26	0.26	0.24				
85	0.24	0.07	0.07	0.16	0.16	0.16	0.17	0.17	0.18	0.19	0.21	0.24	0.26	0.26	0.24				
90	0.08	0.08	0.08	0.10	0.10	0.11	0.13	0.13	0.14	0.15	0.16	0.18	0.21	0.21	0.22				
95	0.15	0.12	0.10	0.09	0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.18	0.20	0.21	0.21				
100	0.31	0.14	0.09	0.12	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.21				
105	0.53	0.14	0.07	0.17	0.13	0.12	0.12	0.12	0.14	0.15	0.16	0.17	0.19	0.21	0.23				
110	0.74	0.10	0.05	0.30	0.21	0.15	0.12	0.12	0.14	0.16	0.17	0.18	0.19	0.21	0.23				
115	2.79	1.36	0.68	0.48	0.25	0.17	0.19	0.18	0.18	0.20	0.19	0.19	0.19	0.21	0.24				
120	6.47	3.82	1.93	0.71	0.23	0.16	0.31	0.28	0.28	0.29	0.27	0.26	0.26	0.26	0.28				
125	11.4	7.43	4.08	1.51	0.57	0.31	0.46	0.38	0.37	0.40	0.38	0.36	0.35	0.35	0.35				
130	17.8	13.1	8.77	4.99	2.83	1.45	0.70	0.38	0.38	0.53	0.51	0.49	0.48	0.46	0.45				
135	25.0	19.9	14.7	9.91	6.88	4.62	3.01	1.87	1.14	0.75	0.57	0.56	0.62	0.60	0.57				
140	31.9	25.3	20.3	16.5	13.0	10.0	7.64	5.74	4.29	3.21	2.47	2.00	1.71	1.47	1.36				
145	70.2	48.7	34.3	25.4	19.3	15.9	14.1	11.7	9.83	8.41	7.36	6.64	6.19	5.87	5.75				
150	240	221	193	157	109	62.1	22.7	12.3	11.6	16.0	14.7	13.9	13.3	12.9	12.7				
155	246	247	242	232	210	183	149	105	62.3	26.9	18.7	19.5	25.0	24.9	24.9				
160	248	255	259	261	255	246	233	217	199	179	154	131	112	103	101				
165	250	254	257	260	263	266	269	272	273	273	269	262	252	238	222				
170	250	252	255	257	259	261	263	264	266	268	269	271	272	273	274				
175	248	249	250	251	252	254	254	255	256	257	257	258	258	258	258				
180	244	244	244	244	244	244	244	244	244	244	244	244	244	244	244				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:Jason
Test Date:2022-03-07

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:8.967m [K=1.1152]
Remarks: