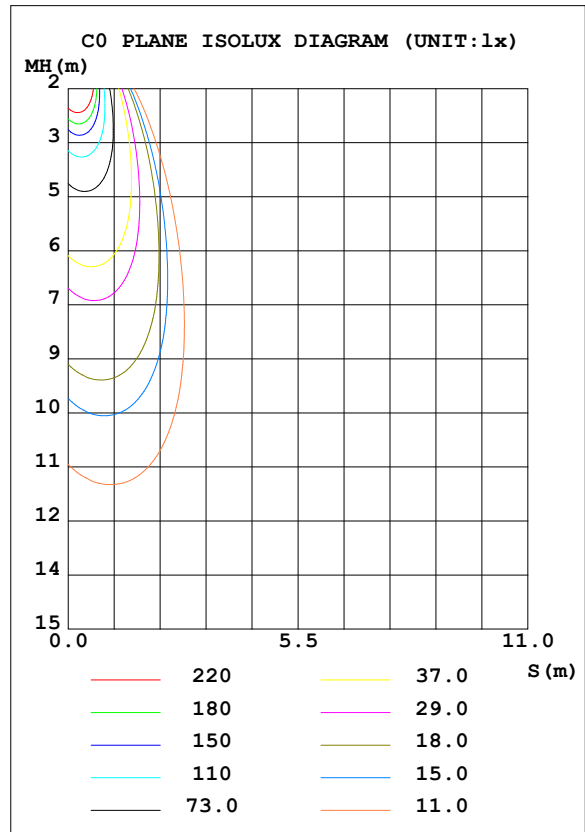
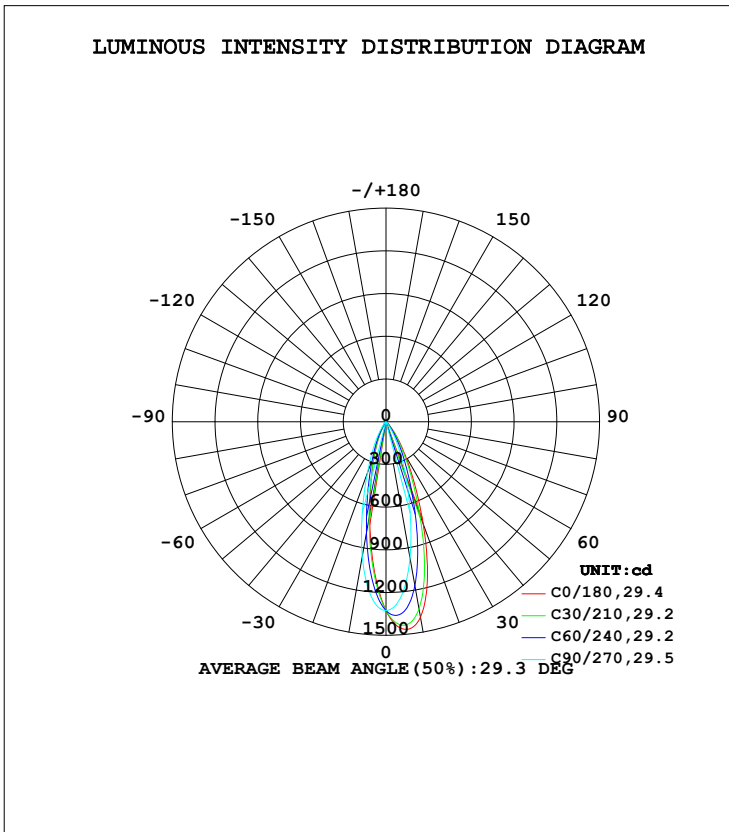


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.84 lm/W			
MODEL	CITIZEN-3000K	I <sub>max</sub> (cd)	1465	S/MH (C0/180)	0.34
NOMINAL POWER (W)	5.5	LOR (%)	100.0	S/MH (C90/270)	0.49
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	490.62	η UP, DN (C0-180)	0.0, 52.9
NOMINAL FLUX (lm)	490.618	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 47.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 58%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

**ZONAL FLUX DIAGRAM**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1394	1273	971.1	755.1	662.0	721.9	959.3	1246	0- 10	110.1	110.1	22.4,22.4
20	765.9	628.2	402.9	275.3	224.3	248.4	382.2	615.5	10- 20	192.6	302.7	61.7,61.7
30	267.9	212.6	118.8	68.30	48.48	59.46	119.9	207.5	20- 30	119.8	422.5	86.1,86.1
40	65.92	45.79	27.26	20.12	16.13	17.25	24.87	46.43	30- 40	45.60	468.1	95.4,95.4
50	16.98	16.04	10.85	6.825	5.023	6.335	10.35	15.05	40- 50	14.69	482.8	98.4,98.4
60	5.833	5.004	2.475	1.587	1.248	1.510	2.527	4.801	50- 60	5.757	488.5	99.6,99.6
70	1.408	1.192	0.6413	0.3545	0.2700	0.3398	0.6545	1.174	60- 70	1.637	490.1	99.9,99.9
80	0.3380	0.2514	0.1274	0.0394	0.0216	0.0438	0.0348	0.2699	70- 80	0.4057	490.6	100,100
90	0.0433	0.0394	0.0262	0.0263	0.0195	0.0197	0.0175	0.0285	80- 90	0.0674	490.6	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): 477.03 lm

%lum = 97.2%  
%lamp = 97.2%

Conical surface Flux(120deg): 488.51 lm

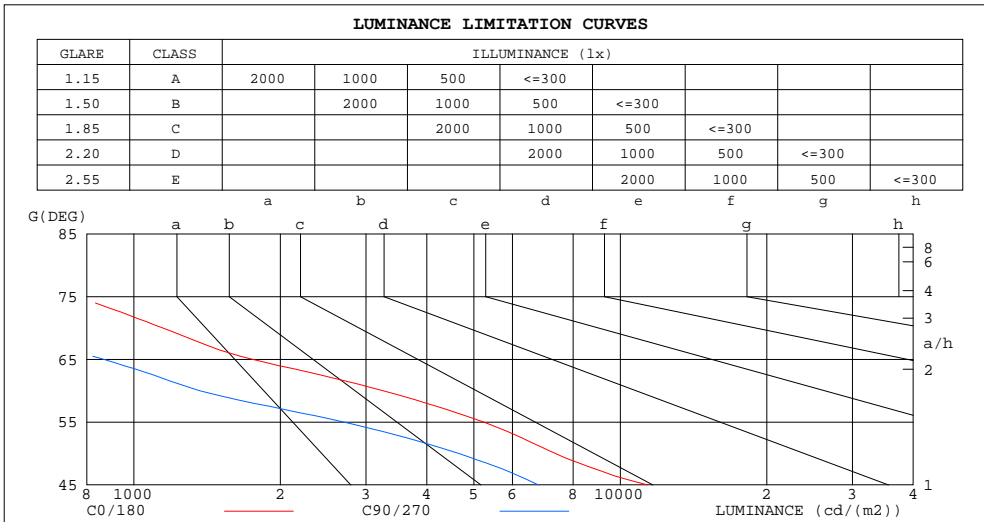
%lum = 99.6%  
%lamp = 99.6%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-10-27

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**LUMINANCE LIMITATION CURVES**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	458	166
80	542	202
75	774	317
70	1146	517
65	1754	867
60	3248	1365
55	5235	2701
50	7354	4652
45	11374	6783

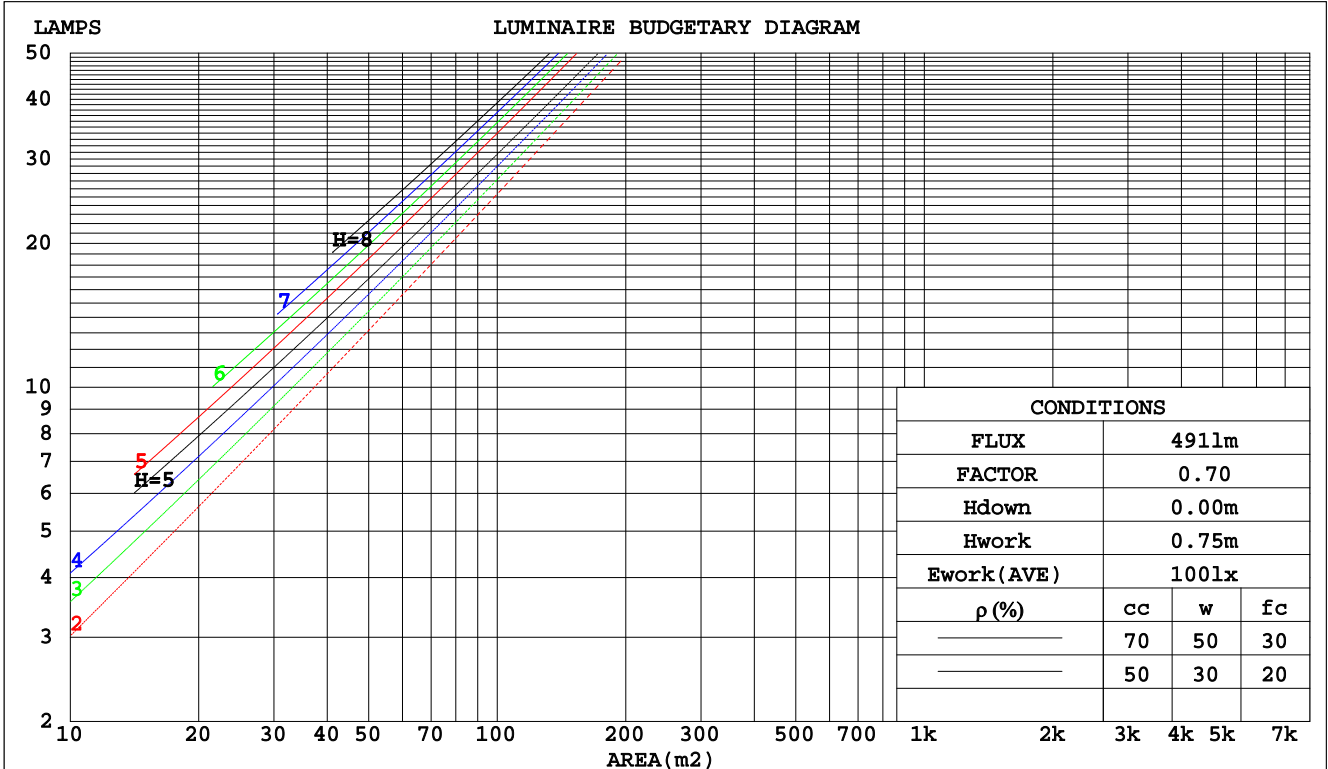
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																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	1.12	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	1.05	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.98	.95	.91	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.86	.94	.89	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5.0	.90	.85	.82	.89	.85	.81	.88	.84	.81	.86	.83	.80	.85	.82	.79	.78
6.0	.86	.81	.77	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.74
7.0	.82	.77	.74	.82	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.74	.70	.78	.74	.70	.77	.73	.70	.76	.73	.70	.75	.72	.69	.68
9.0	.76	.71	.67	.75	.71	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.68	.65	.72	.68	.65	.72	.67	.64	.71	.67	.64	.70	.67	.64	.63



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Jason  
 Test Date: 2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 58%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

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 Coefficients(WEC)									
0.0																
1.0	.156	.089	.028	.149	.085	.027	.137	.079	.025	.125	.072	.023	.115	.067	.021	
2.0	.147	.081	.025	.142	.078	.024	.131	.073	.023	.122	.068	.021	.113	.064	.020	
3.0	.139	.074	.022	.134	.072	.022	.126	.068	.021	.117	.064	.020	.110	.061	.019	
4.0	.131	.068	.020	.127	.067	.020	.120	.064	.019	.113	.061	.018	.107	.058	.018	
5.0	.125	.063	.018	.121	.062	.018	.115	.060	.018	.109	.057	.017	.103	.055	.017	
6.0	.118	.059	.017	.116	.058	.017	.110	.056	.016	.105	.054	.016	.100	.053	.016	
7.0	.113	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	.097	.050	.015	
8.0	.108	.053	.015	.106	.052	.015	.101	.051	.014	.097	.049	.014	.093	.048	.014	
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.013	.090	.046	.013	
10.0	.099	.048	.013	.097	.047	.013	.094	.046	.013	.091	.045	.013	.087	.044	.013	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.075	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.033	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.017	.011	.008	.005	
8.0	.097	.062	.039	.083	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.092	.057	.034	.079	.049	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.087	.052	.029	.075	.045	.026	.052	.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:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
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	19.3	20.0	19.5	20.2	20.4	15.7	16.5	16.0	16.7	16.8
3H	19.1	19.9	19.4	20.1	20.2	15.6	16.3	15.9	16.5	16.7
4H	19.1	19.8	19.3	20.0	20.2	15.5	16.2	15.8	16.4	16.7
6H	19.0	19.6	19.3	19.9	20.1	15.5	16.1	15.7	16.3	16.6
8H	18.9	19.6	19.2	19.8	20.1	15.4	16.0	15.7	16.3	16.5
12H	18.9	19.5	19.2	19.8	20.0	15.4	16.0	15.7	16.2	16.5
4H 2H	19.1	19.8	19.3	20.0	20.2	15.6	16.3	15.9	16.5	16.8
3H	18.9	19.5	19.2	19.8	20.1	15.5	16.1	15.8	16.4	16.6
4H	18.9	19.4	19.2	19.7	20.0	15.4	16.0	15.8	16.3	16.6
6H	18.8	19.2	19.1	19.6	19.9	15.3	15.8	15.7	16.2	16.5
8H	18.7	19.2	19.1	19.5	19.9	15.3	15.7	15.7	16.1	16.4
12H	18.7	19.1	19.1	19.4	19.8	15.2	15.6	15.6	16.0	16.4
8H 4H	18.7	19.2	19.1	19.5	19.9	15.3	15.7	15.7	16.1	16.5
6H	18.6	19.0	19.0	19.4	19.8	15.2	15.6	15.6	16.0	16.4
8H	18.6	18.9	19.0	19.3	19.7	15.1	15.5	15.6	15.9	16.3
12H	18.5	18.8	19.0	19.2	19.7	15.1	15.4	15.5	15.8	16.3
12H 4H	18.7	19.1	19.1	19.4	19.8	15.2	15.7	15.6	16.0	16.4
6H	18.6	18.9	19.0	19.3	19.7	15.1	15.5	15.6	15.9	16.3
8H	18.5	18.8	19.0	19.2	19.7	15.1	15.4	15.6	15.8	16.3
Variations with the observer position at spacings:										
S = 1.0H	+ 3.6 / - 6.3					+ 2.3 / - 5.6				
1.5H	+ 5.5 / - 4.4					+ 2.8 / - 3.3				
2.0H	+ 4.0 / - 5.2					+ 3.5 / - 6.1				

CIE Pub.117, 490.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

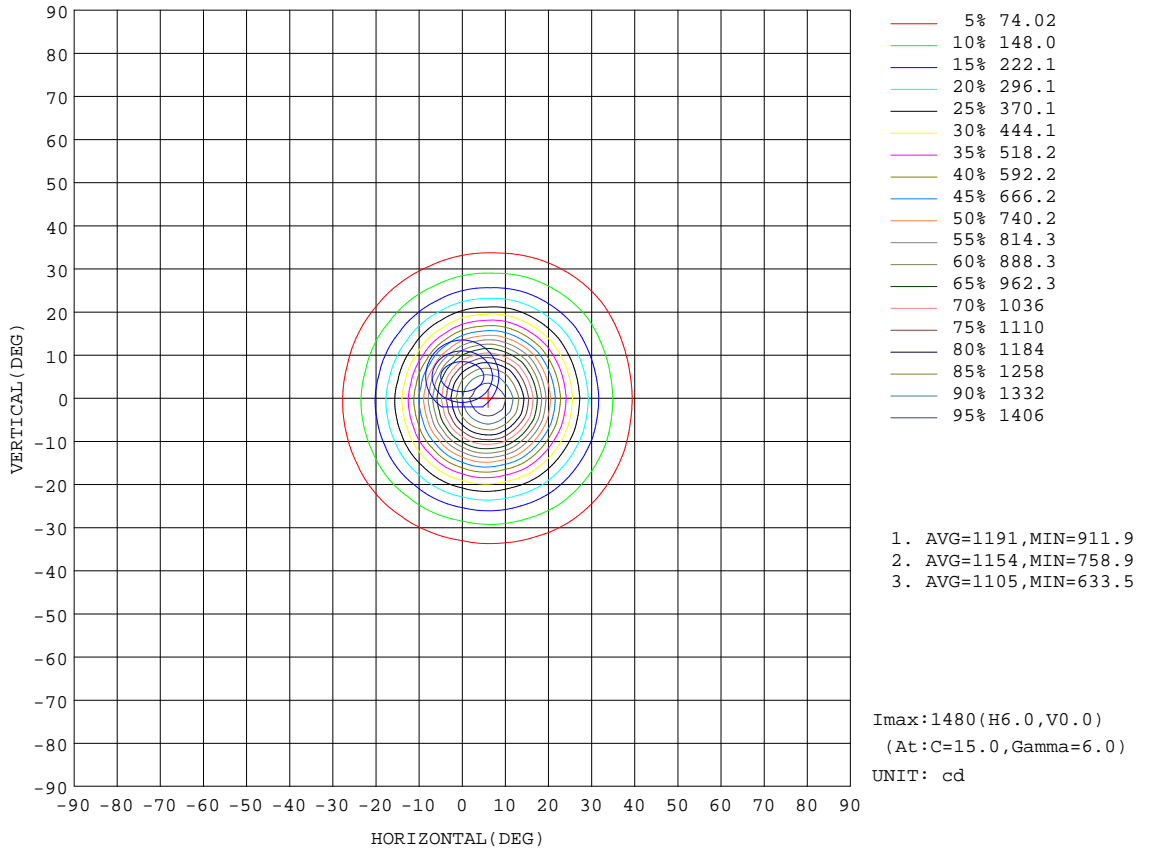
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	89	82	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	98	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		



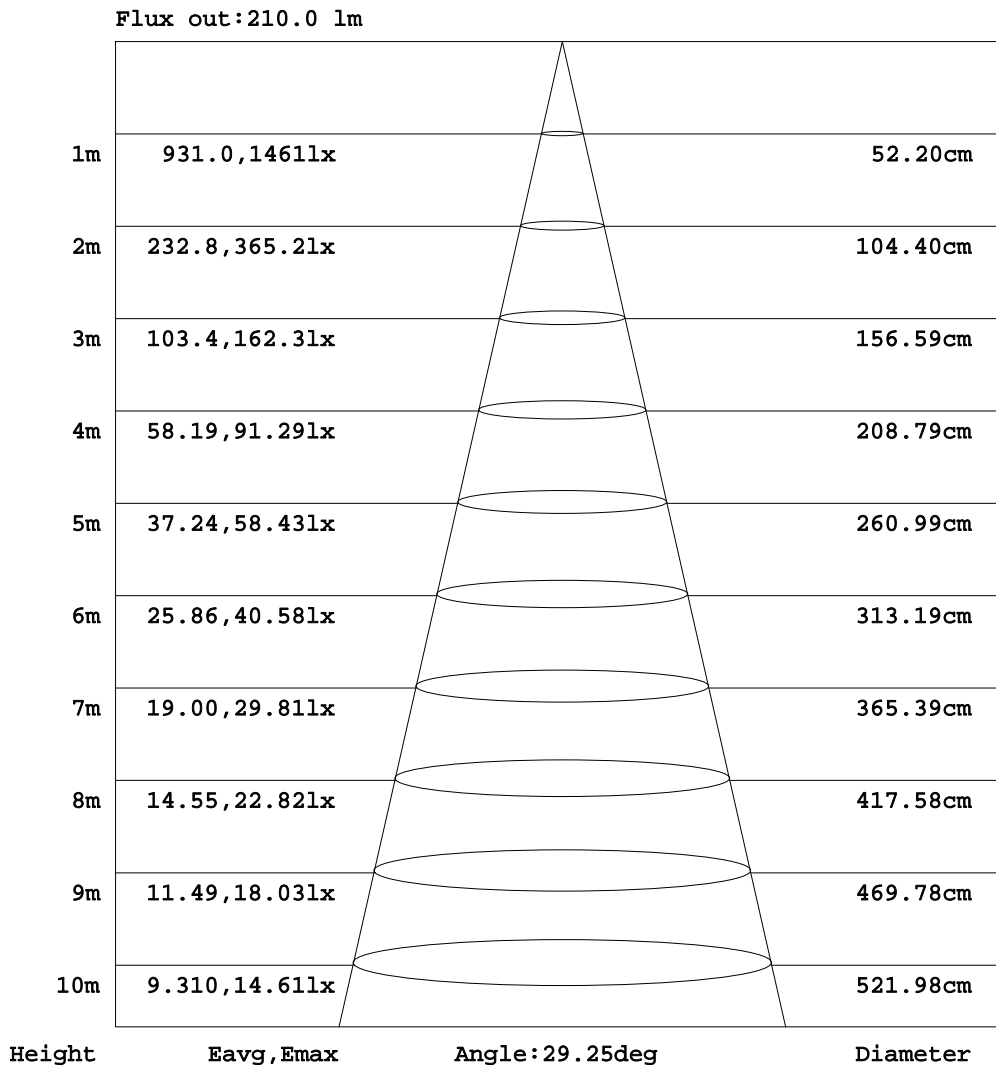
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:



**AAI Figure**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		



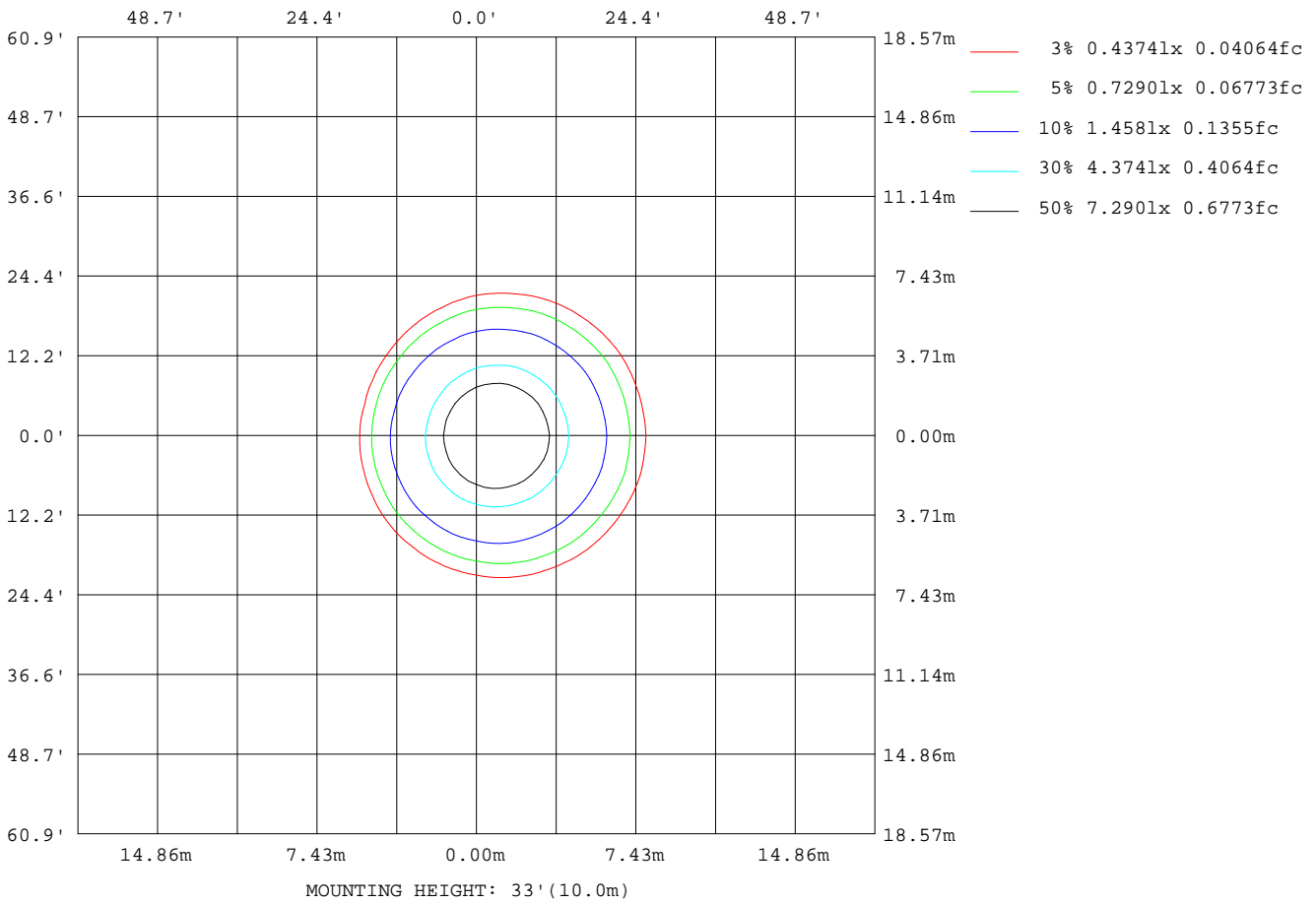
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-10-27

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
Test Distance:5.850m [K=1.0000]  
Remarks:

**ISOLUX DIAGRAM**

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

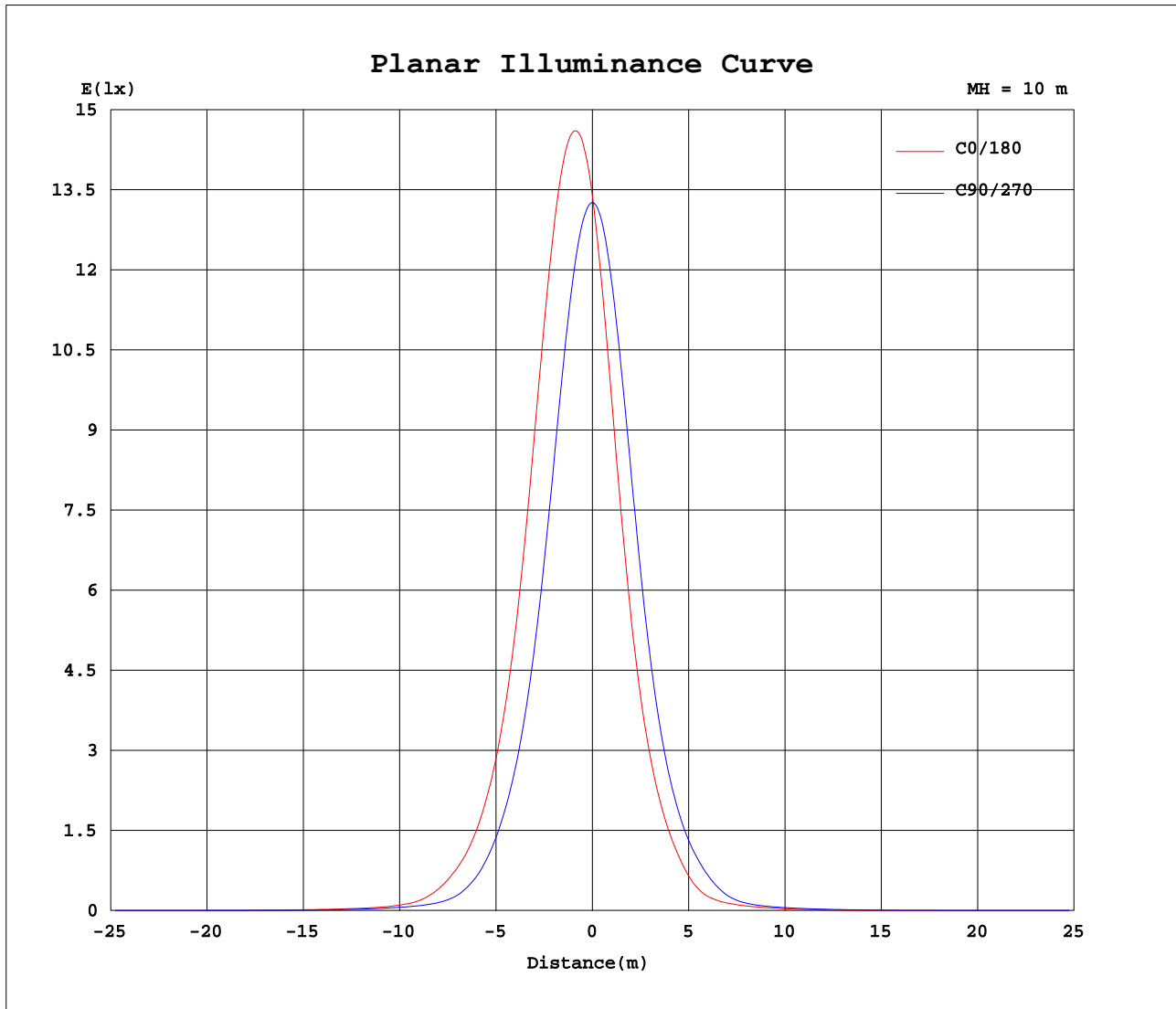
AvgL	cd/m2
L_0~180 (65) av	1068
L_0~180 (75) av	407
L_0~180 (85) av	257
L_90~270 (65) av	875
L_90~270 (75) av	320
L_90~270 (85) av	111
L_45 (65) av	989
L_45 (75) av	385
L_45 (85) av	114

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2020-10-27

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:58%  
Test Distance:5.850m [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: 2020-10-27

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 58%  
 Test Distance: 5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326	1326
5	1462	1462	1434	1402	1346	1294	1231	1179	1122	1082	1044	1025	1015	1015	1038	1067	1115	1165	1226
10	1394	1394	1335	1273	1168	1075	971	890	810	755	704	677	662	659	687	722	790	859	959
15	1126	1124	1047	970	854	757	656	586	516	470	428	406	392	388	404	432	487	548	637
20	766	757	693	628	537	470	403	354	308	275	249	233	224	222	232	248	282	322	382
25	466	456	415	373	318	276	232	200	169	149	131	121	116	116	124	135	157	182	220
30	268	263	238	213	179	150	119	97.4	79.8	68.3	57.7	51.9	48.5	47.2	51.3	59.5	74.6	94.1	120
35	145	143	126	110	87.1	68.2	52.5	44.3	37.4	33.2	29.1	27.0	25.4	24.5	25.4	27.1	31.6	38.6	51.6
40	65.9	63.3	53.8	45.8	37.4	31.9	27.3	24.8	22.3	20.1	18.2	16.9	16.1	15.8	16.4	17.3	19.1	21.2	24.9
45	28.9	28.6	26.4	24.6	21.8	19.6	17.4	16.2	14.4	12.7	11.2	10.4	9.81	9.66	10.5	11.4	13.0	14.3	15.9
50	17.0	17.2	16.7	16.0	14.4	12.8	10.8	9.62	8.14	6.83	5.82	5.39	5.02	4.95	5.55	6.34	7.64	8.87	10.3
55	10.8	11.0	10.5	9.83	8.36	7.04	5.62	4.75	3.81	3.11	2.65	2.50	2.31	2.27	2.53	2.90	3.62	4.49	5.63
60	5.83	5.88	5.50	5.00	4.01	3.19	2.48	2.22	1.89	1.59	1.40	1.32	1.25	1.24	1.35	1.51	1.81	2.11	2.53
65	2.66	2.72	2.55	2.34	1.97	1.65	1.33	1.12	0.93	0.78	0.70	0.64	0.62	0.62	0.64	0.73	0.87	1.08	1.36
70	1.41	1.43	1.35	1.19	0.98	0.79	0.64	0.52	0.44	0.35	0.32	0.28	0.27	0.29	0.28	0.34	0.41	0.53	0.65
75	0.72	0.71	0.65	0.57	0.47	0.37	0.30	0.23	0.21	0.16	0.13	0.07	0.05	0.07	0.07	0.15	0.18	0.26	0.30
80	0.34	0.31	0.30	0.25	0.23	0.17	0.13	0.06	0.07	0.04	0.05	0.03	0.02	0.04	0.02	0.04	0.03	0.05	0.03
85	0.14	0.13	0.09	0.05	0.07	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02
90	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.2301A P:5.522W PF:1.000 Freq:0Hz Lamp Flux:490.618x1 lm		
NAME: AFTER7 Mini 830-30	TYPE:Downlight	SERIAL No.:
SPEC.:3000K	DIM.: φ40mm*H102mm	
MFR.: NEKO LIGHTING AG		

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345															
0	1326	1326	1326	1326	1326															
5	1279	1341	1387	1432	1451															
10	1050	1161	1246	1332	1370															
15	729	848	945	1049	1095															
20	448	538	615	701	742															
25	260	316	366	420	451															
30	145	179	207	241	257															
35	68.8	91.0	111	132	140															
40	29.9	37.7	46.4	57.2	62.5															
45	17.9	20.9	23.7	26.6	27.8															
50	11.9	13.8	15.1	16.2	16.6															
55	6.80	8.34	9.29	10.3	10.5															
60	3.18	4.17	4.80	5.48	5.73															
65	1.65	2.01	2.23	2.50	2.67															
70	0.81	1.01	1.17	1.32	1.39															
75	0.38	0.47	0.58	0.64	0.69															
80	0.17	0.21	0.27	0.29	0.32															
85	0.04	0.04	0.05	0.04	0.10															
90	0.02	0.02	0.03	0.03	0.04															

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2020-10-27

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:58%  
 Test Distance:5.850m [K=1.0000]  
 Remarks: