TEST REPORT

1. Applicant

* Client Name : FEELUX Co. Ltd.
* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
* Date of Receipt : 260903

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 260903 FNX3D 30K-24V-C90_lot202608

5. Test Period : 260903 ~ 260903

6. Test Environment

* Ambient Temp. : 25.0 +- 3 ℃
* Relative Humidity : 60.0 +- 10 % RH

7. Test Item

* Name of Product :
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by 김정도 Sign	Technical manager 김정도 Sign

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* The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
* This report cannot be reporduced, except in full.
* This report is for reference only. It cannot replace the report by standard organization(s).

Result

Report Number	Sample Name	Sample Number	Test Standard
KH FEELUX			

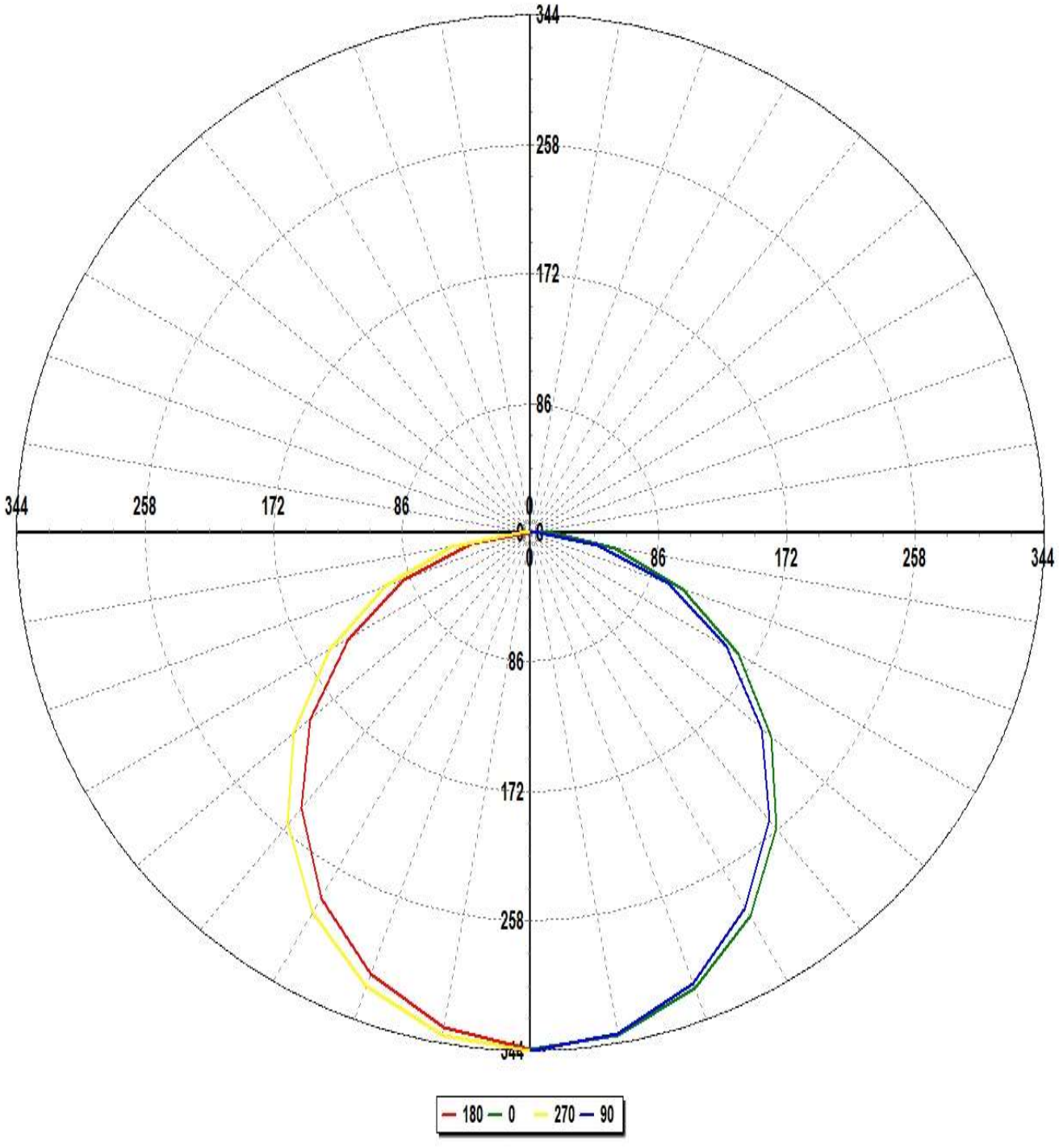
Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	35.3	
CIE 1931 Cx, Cy		0.4325 , 0.4056	
Correlated Color Temperature	K	3089	
Ra		92.07	
Power Factor		0.587	
Input Voltage	V	220.45	
Input Current	A	0.142	
Input Watt	W	18.322	
Lamp Flux	lm	1048.8	
Efficient	lm/W	57.25	
luminous Intensity (Max , Center)	cd	361 , 361	
Illuminance	lx	361	1 m
		90	2 m
		40	3 m

* This test result is for the sample provided by the client.
* Sample photo

Click to load image

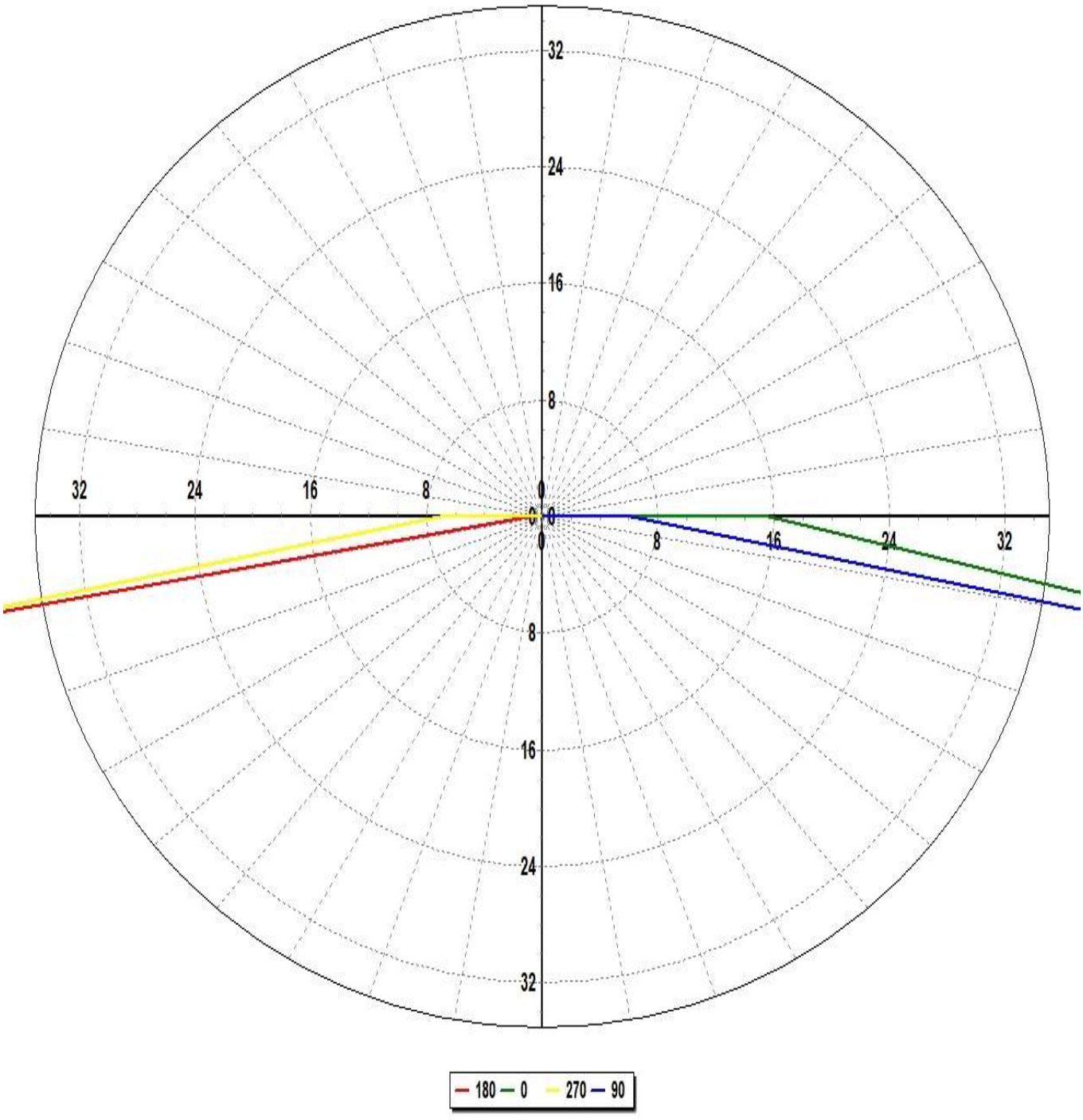
Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Luminous Intensity Distribution



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Luminous Intensity Distribution (Lowest 10%)



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Luminous Intensity Data

Maximum (cd) : 361
Minimum (cd) : 1

G/C	0	10	20	30	40	50	60	70	80	90	100
0	359.98	359.78	359.15	359.28	359.24	359.13	359.43	358.99	359.12	361.21	361.22
10	355.4	355.87	356.02	355.46	356.41	356.14	356.33	356.9	357.2	354.2	353.33
20	337.63	338.51	339.4	339.58	339.73	339.71	340.79	340.52	340.46	334.65	333.75
30	308.95	308.24	309.79	310.39	311.01	312.3	312.5	312.38	314.18	302.52	302.42
40	268.96	268.63	270.01	270.35	272.79	272.81	274.74	274.61	274.79	261.56	260.27
50	220.73	221.32	222.44	224.05	224.87	225.84	227.12	226.82	228.61	212.22	211.3
60	168.85	168.58	170.17	170.6	172.19	172.9	174.95	174.99	176.2	158.69	157.66
70	114.02	113.67	114.84	115.96	117.09	118.39	120.18	119.95	121.7	103.36	101.84
80	60.64	60.1	61.49	62.15	64.74	63.77	65	65.21	67.15	47.94	47.86
90	16.42	9.73	18.12	10.9	19.69	12.24	21.28	13.9	22.35	6.43	4.27

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	2	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Luminous Intensity Data (Continued)

Maximum (cd) : 361
Minimum (cd) : 1

G/C	110	120	130	140	150	160	170	180	190	200	210
0	360.03	360.47	360.61	360.13	360.2	359.31	360.3	359.98	359.78	359.15	359.28
10	352.97	352.52	353.43	351.66	351.45	350.91	350.59	349.76	349.59	349.03	349.07
20	333.42	332.71	333.07	331.39	331.16	328.62	328.11	327.38	327.82	326.34	326.08
30	301.31	300.44	299.2	298.17	296.97	295.38	294.72	293.98	292.9	291.56	292.65
40	259.43	258.32	257.75	255.43	254.91	252.75	252.46	250.26	250.45	249.52	249.52
50	211.12	209.61	208.43	206.46	205.88	203.22	202.87	201.99	202.05	199.89	199.94
60	157.62	155.64	154.98	153.49	152.55	150.92	150.12	147.95	147.76	146.36	147.39
70	102.04	100.83	100.31	98.7	98.48	96.49	96.14	94.69	94.42	92.41	93.89
80	47.98	47.09	46.73	45.62	45.45	43.87	43.9	42.04	42.3	41.3	41.56
90	6.76	3.22	6.2	3.74	4.25	0.8	3.1	0.93	2.62	0.74	3.94

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	2	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Luminous Intensity Data (Continued)

Maximum (cd) : 361
Minimum (cd) : 1

G/C	220	230	240	250	260	270	280	290	300	310	320
0	359.24	359.13	359.43	358.99	359.12	361.21	361.22	360.03	360.47	360.61	360.13
10	348.37	349.21	348.56	348.85	348.05	355.17	354.36	354.73	355.03	355.27	355.62
20	325.61	325.71	325.75	325.59	325.88	336.08	336.85	335.74	336.47	336.11	336.65
30	291.57	291.42	291.79	291.42	290.56	305.4	306.65	307.14	307.34	306.38	307.18
40	248.18	249.43	248.04	248.3	247.27	265.05	265.58	264.93	266.34	265.42	266.95
50	199.35	199.54	198.76	198.51	198.38	216.87	217.17	217.06	218.13	216.78	219.16
60	145.95	145.86	144.98	145.04	144.5	162.36	163.98	164.6	165.05	164.75	166.41
70	92.05	92.62	91.11	91.98	90.41	108.37	109.48	109.59	111.75	111.23	112.01
80	40.92	40.57	39.75	40.15	38.56	56.21	57	56.44	57.4	57.35	58.68
90	4.1	4.28	3.89	5.53	4.09	7.39	14.69	8.33	15.65	8.73	15.6

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Luminous Intensity Data (Continued)

Maximum (cd) : 361
Minimum (cd) : 1

G/C	330	340	350	360
0	360.2	359.31	360.3	359.98
10	355.35	355.23	355.52	355.4
20	337.14	337.37	337.43	337.63
30	306.5	308.02	307.21	308.95
40	266.01	266.89	266.97	268.96
50	218.02	218.71	219.26	220.73
60	165.74	166.89	165.81	168.85
70	111.19	112.8	112.85	114.02
80	58.07	59.51	58.71	60.64
90	8.1	16.49	7.87	16.42

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

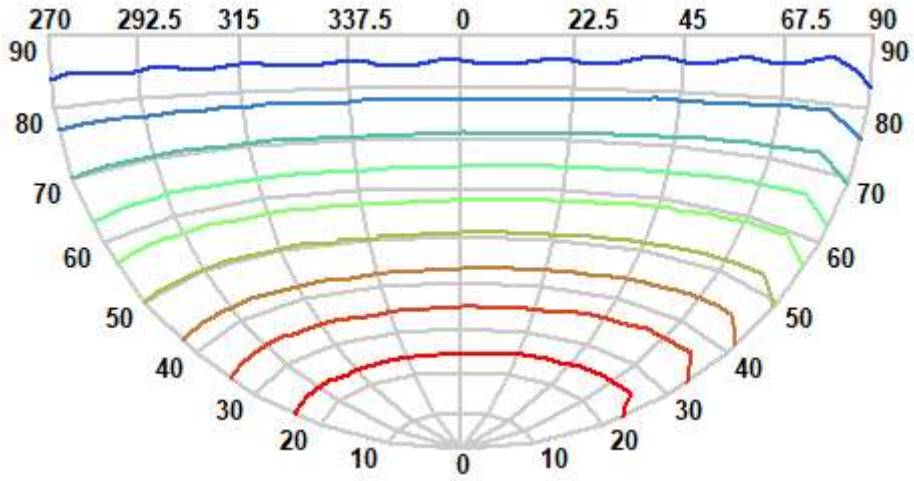
Luminous Flux Table

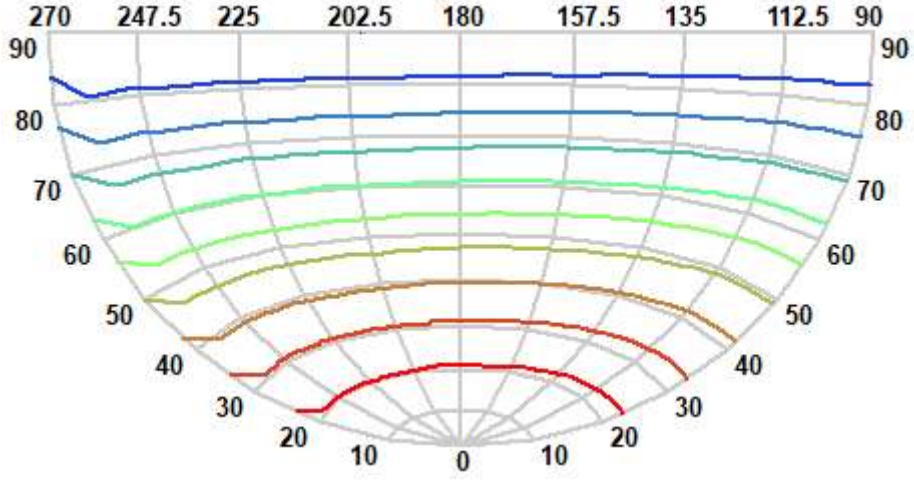
Total Lamp Lumens:	1048.8
Luminaire Efficiency (lm/W):	57.24
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.60	8.60	0.82	0.82
10	67.16	75.77	7.22	7.22
20	124.96	200.73	19.14	19.14
30	165.51	366.24	34.92	34.92
40	183.74	549.98	52.44	52.44
50	178.34	728.32	69.44	69.44
60	151.30	879.62	83.87	83.87
70	108.26	987.88	94.19	94.19
80	56.12	1044.00	99.54	99.54
90	4.81	1048.82	100.00	100.00

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Lamp flux (lm)	1049	Current (A)	0.1	Operator	
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IsoCandela (Type C)

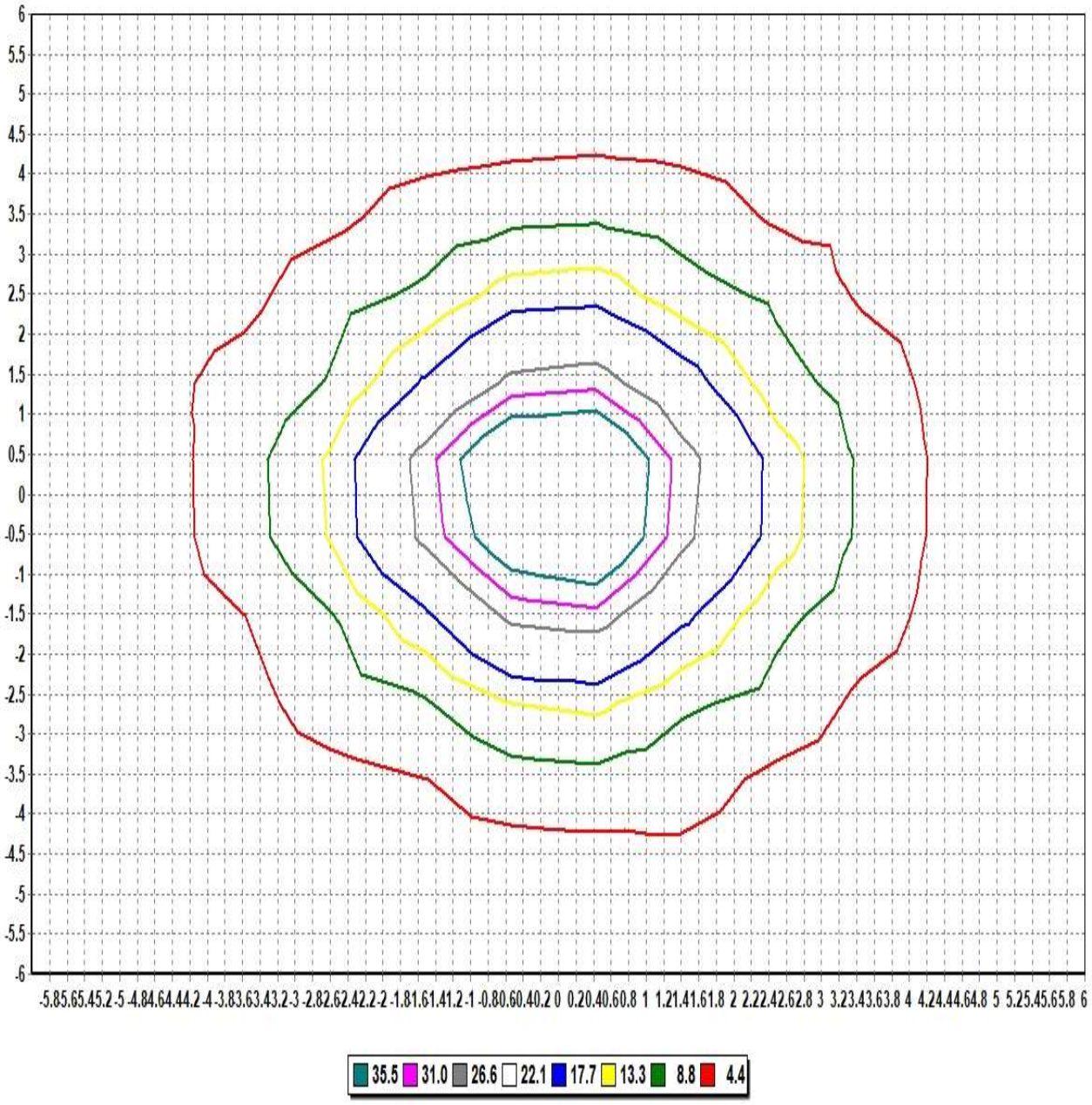






Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

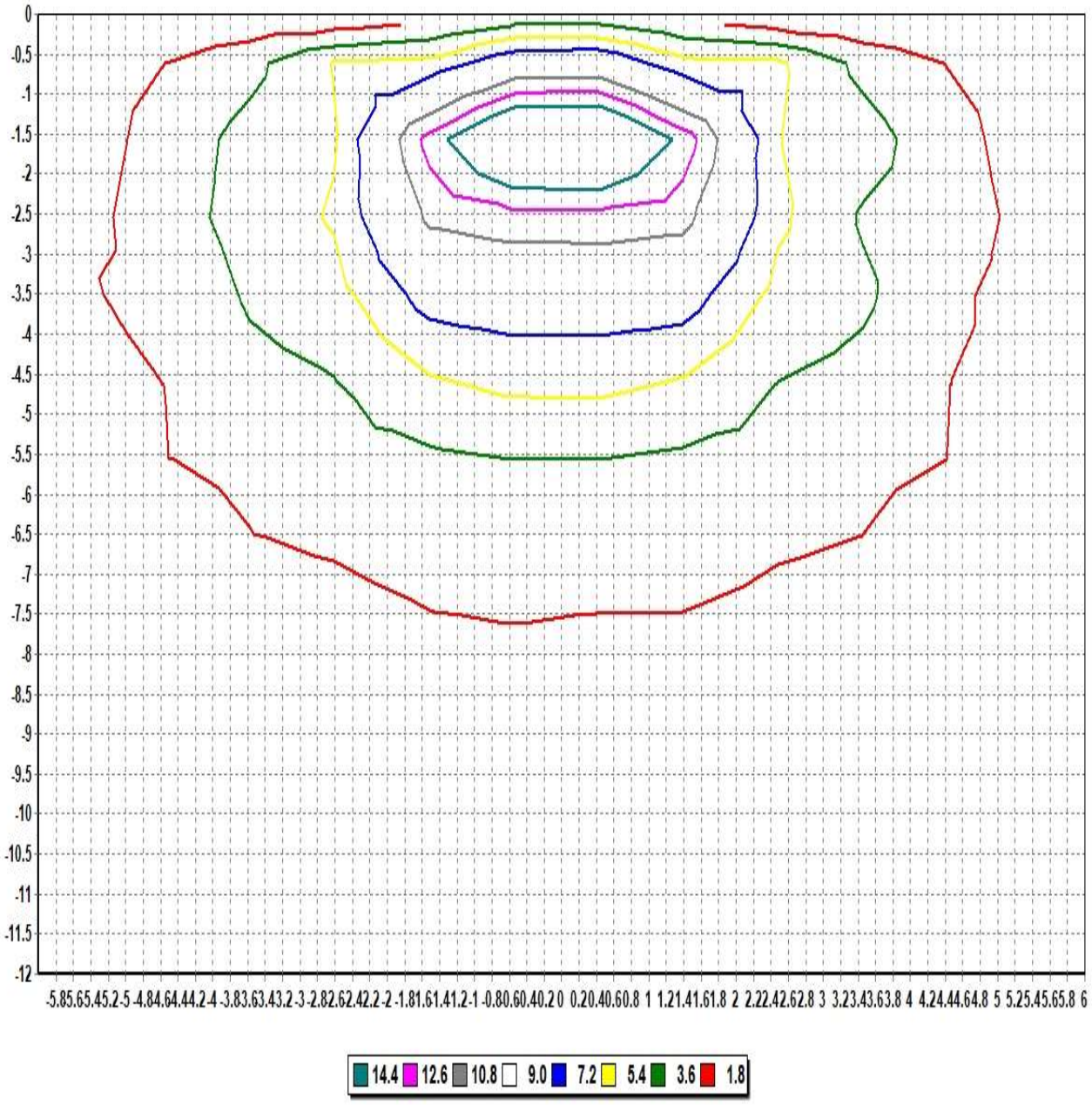
IsoLux Diagram (Ground)



Pole Height (m): 2.7
Area Width (m): 12

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

IsoLux Diagram (Wall)



Pole Height (m):	2.7	Wall Distance (m):	2.7
Aiming Plane:	0	Wall Height (m):	12

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	220.45	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.14153	Operator	
Total flux (lm)	1049	Power Factor	0.5872	Date	2026-09-03 오후 1:32:28

Illuminance Levels (Ground)

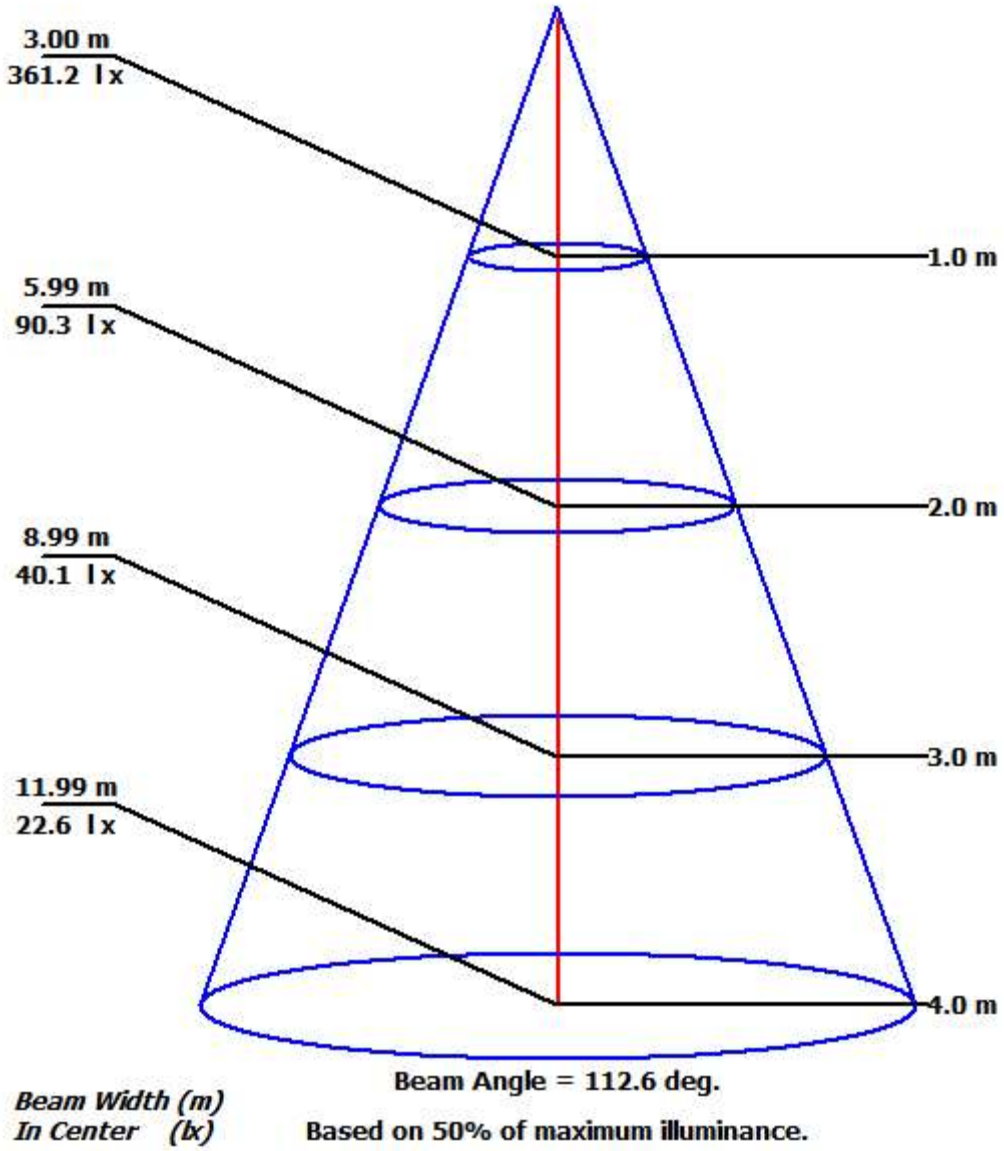
6.00	0.54	0.72	0.62	0.80	0.99	1.13	1.20	1.30	1.14	0.92	0.72	0.80	0.61
5.00	0.72	0.66	0.93	1.31	2.39	2.82	2.99	3.06	2.59	1.49	1.07	0.76	0.80
4.00	0.60	0.93	2.03	2.94	3.07	3.96	4.33	4.34	3.40	3.19	2.20	1.07	0.70
3.00	0.78	1.27	2.93	3.58	7.20	8.02	9.12	8.62	7.65	3.92	3.18	1.44	0.90
2.00	0.96	2.30	3.01	7.08	10.25	16.31	19.63	17.23	10.92	7.54	3.34	2.52	1.10
1.00	1.08	2.70	3.77	7.81	16.09	29.33	39.99	30.28	17.03	8.43	4.18	2.95	1.24
0.00	1.11	2.84	4.08	8.69	18.89	39.48	49.38	40.14	20.13	9.46	4.56	3.12	1.30
-1.00	1.06	2.68	3.73	7.61	15.74	28.61	40.11	29.92	16.80	8.28	4.13	2.92	1.23
-2.00	0.91	2.27	2.90	6.91	9.83	15.70	19.86	16.76	10.62	7.42	3.26	2.48	1.07
-3.00	0.74	1.21	2.81	3.39	6.88	7.55	9.30	8.24	7.39	3.78	3.08	1.40	0.87
-4.00	0.57	0.87	1.93	2.81	2.87	3.65	4.43	4.07	3.24	3.07	2.13	1.02	0.68
-5.00	0.67	0.61	0.87	1.19	2.23	2.63	3.06	2.89	2.46	1.39	1.02	0.72	0.76
-6.00	0.51	0.67	0.56	0.73	0.90	1.03	1.24	1.20	1.05	0.87	0.67	0.76	0.58
	-6.00	-5.00	-4.00	-3.00	-2.00	-1.00	0.00	1.00	2.00	3.00	4.00	5.00	6.00

Illum. (Max.) : 49.380
Illum. (Min.) : 0.5127
Illum. (Avg.) : 5.7794
All illuminance level values are in lux.



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.1	Operator	
Total flux (lm)	1049	Power Factor	0.	Date	2026-09-03 오후 1:32:28

Illuminance Cone Diagram



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	220.45	Filename	260903 FNX3D 30K-24V-C90_lot202608.jdt
Lamp flux (lm)	1049	Current (A)	0.14153	Operator	
Total flux (lm)	1049	Power Factor	0.5872	Date	2026-09-03 오후 1:32:28

Coefficient of Utilization

Refl.	Ceiling (%)	80%	80%	80%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	10%	0%
Refl.	Wall (%)	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
Eff. Floor Cavity Refl.		20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Room CR	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Room CR	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00