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 27K-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	Technical manager
	김정도 Sign	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			

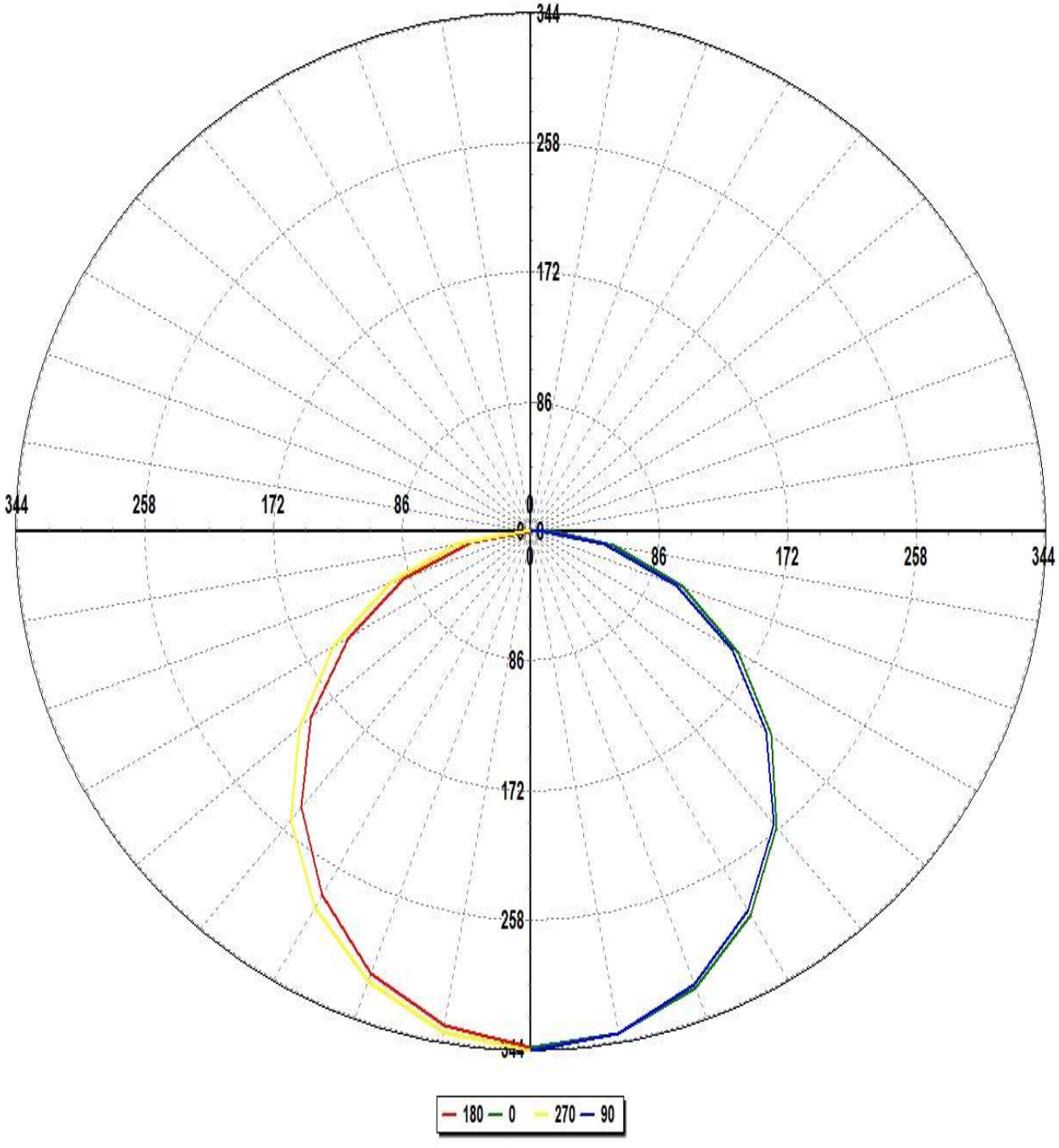
Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	35.3	
CIE 1931 Cx, Cy		0.4562 , 0.4141	
Correlated Color Temperature	K	2778	
Ra		92.16	
Power Factor		0.594	
Input Voltage	V	220.45	
Input Current	A	0.142	
Input Watt	W	18.566	
Lamp Flux	lm	1011.5	
Efficient	lm/W	54.48	
luminous Intensity (Max , Center)	cd	349 , 349	
Illuminance	lx	349	1 m
		87	2 m
		39	3 m

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

Click to load image

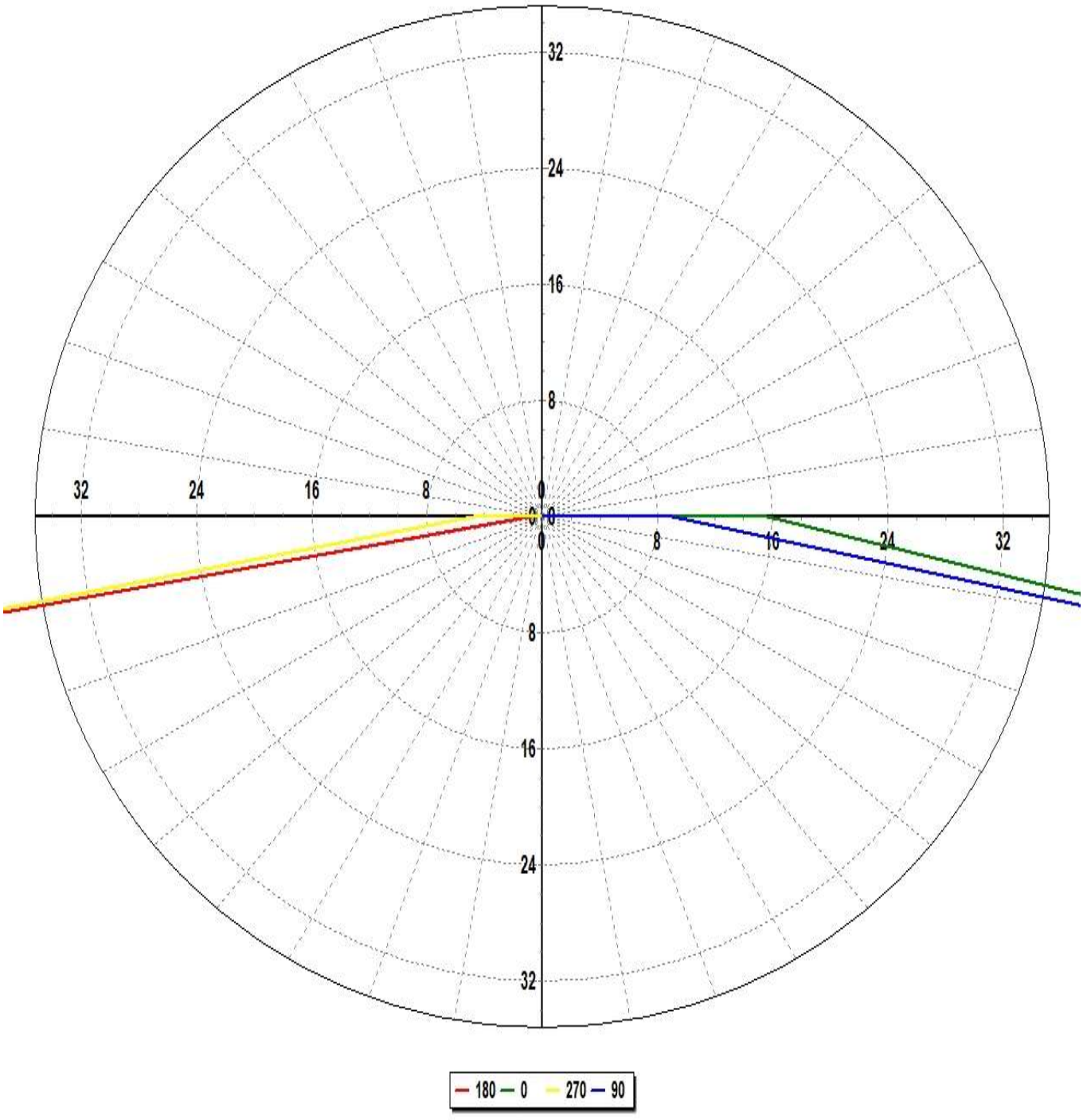
Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

Luminous Intensity Distribution



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

Luminous Intensity Distribution (Lowest 10%)



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

Luminous Intensity Data

Maximum (cd) : 349
Minimum (cd) : 1

G/C	0	10	20	30	40	50	60	70	80	90	100
0	346.87	346.14	347.12	346.64	346.86	345.71	346.36	345.67	345.87	348.89	348.03
10	342.65	343.21	342.86	343.23	343.55	344.2	344.18	344.51	344.28	342.43	342.24
20	326	325.64	327.17	327.57	328.96	329.3	329.51	330.3	330.38	324.04	322.79
30	297.32	297.75	299.64	300.03	301.66	302.45	303.76	303.84	305.12	294.66	293.29
40	258.84	259.73	261.37	262.64	264.78	265.23	267.58	267.36	269.12	256.16	254.68
50	212.5	213.52	215.41	217.3	219.56	220.46	223.2	223.14	224.95	208.44	207.14
60	162.33	163.13	165.56	166.08	169.15	169.88	172.93	172.81	173.67	157.62	155.89
70	109.29	110.73	112.76	113.87	116.39	117.16	119.25	120.16	121.28	104.45	102.84
80	57.51	58.41	60.57	61.91	64.06	64.62	67.15	67.18	67.73	51.01	49.56
90	15.78	9.1	18.11	12	20.7	14.74	23.45	17.09	25.04	9.13	4.75

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Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

Luminous Intensity Data (Continued)

Maximum (cd) : 349
Minimum (cd) : 1

G/C	110	120	130	140	150	160	170	180	190	200	210
0	348.01	347.85	347.28	347.09	347.43	346.96	347.1	346.87	346.14	347.12	346.64
10	343.34	341.09	340.45	339.68	339.62	339.23	338.39	336.81	337.57	337.25	336.87
20	322.58	321.88	321	319.48	318.99	317.23	317.12	315.88	315.09	314.15	314.27
30	292.76	291.78	290.68	288.56	288.35	285.56	284.84	282.18	282.31	281.29	281.13
40	254.95	251.65	250.49	248.07	246.62	244.28	244.09	241.62	241.52	239.44	238.76
50	206.71	205.17	204.25	201.96	200.44	197.61	196.32	194.39	193.72	191.87	191.33
60	156.53	153.4	153.33	149.58	149.05	146.65	145.37	142.82	141.98	140.47	139.9
70	102.36	99.99	99.89	97.89	97.47	94.66	93.57	91.59	90.87	89.4	88.29
80	50.12	48.54	48.37	45.91	45.84	43.27	43.13	40.93	40.27	38.68	38.25
90	8.31	3.77	7.57	3.39	4.08	1.47	3.02	0.82	2.17	1.41	2.65

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

Luminous Intensity Data (Continued)

Maximum (cd) : 349
Minimum (cd) : 1

G/C	220	230	240	250	260	270	280	290	300	310	320
0	346.86	345.71	346.36	345.67	345.87	348.89	348.03	348.01	347.85	347.28	347.09
10	335.82	335.61	335.28	335.48	335.13	341.07	341.48	341.19	341.69	341.34	341.77
20	312.61	312.7	312.51	312.6	311.66	321.72	322.74	321.6	322.77	323.75	323.34
30	279.26	279.78	277.89	279.25	277.9	291.43	292.09	292.35	293.08	293.05	294.28
40	238.15	237.29	236.3	236.84	236.38	252.75	252.88	251.42	253.37	253.41	254.52
50	189.47	189.74	188.24	188.08	187.1	204.47	205.09	205.68	207.21	206.87	208.4
60	138.73	138.08	137.41	137.08	135.43	153.91	154.34	154.83	155.61	155.97	157.77
70	87.81	86.52	85.13	85.47	82.99	99.97	101.59	102.17	103.4	103.58	105.05
80	36.92	37.26	35.05	34.94	33.27	50.01	50.29	51.14	51.71	52.8	53.85
90	4.34	4.25	4.02	4.21	4.02	4.8	11.5	5.54	12.4	5.87	13

Luminaire	KH FEELUX		
Lamp		Report	KH FEELUX
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Lamp flux (lm)	1012	Current (A)	0.1Operator
Total flux (lm)	1012	Power Factor	0.5Date 2026-09-03 오후 12:27:35

Luminous Intensity Data (Continued)

Maximum (cd) : 349
Minimum (cd) : 1

G/C	330	340	350	360
0	347.43	346.96	347.1	346.87
10	342.05	343.5	342.72	342.65
20	323	324.67	324.43	326
30	294.1	295.1	295.2	297.32
40	254.13	256.28	256.95	258.84
50	208.45	210.52	210.84	212.5
60	157.33	158.25	159.82	162.33
70	105.58	106.87	107.92	109.29
80	54.31	55.6	56.21	57.51
90	6.03	14.17	7.05	15.78

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

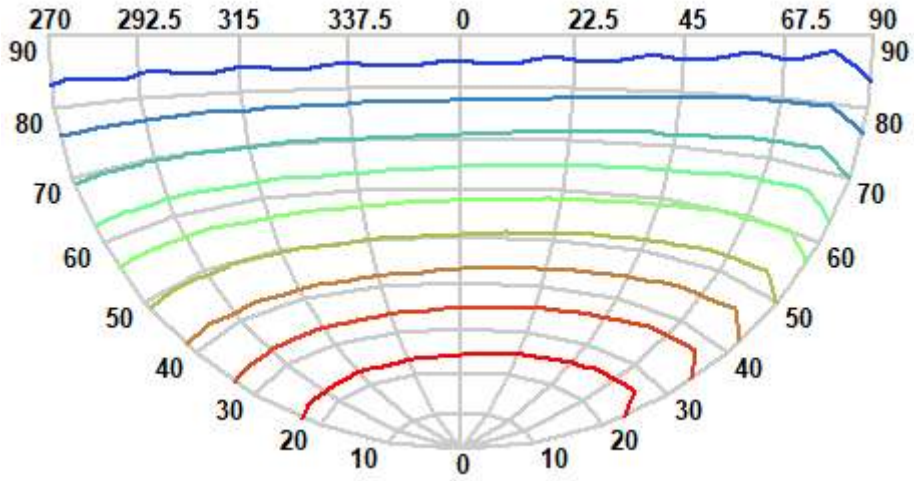
Luminous Flux Table

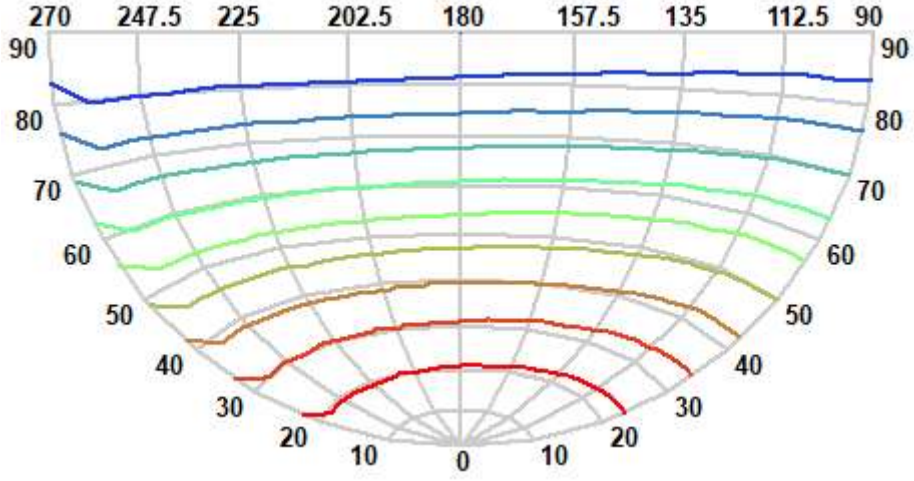
Total Lamp Lumens:	1011.5
Luminaire Efficiency (lm/W):	54.48
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.30	8.30	0.82	0.82
10	64.78	73.07	7.22	7.22
20	120.38	193.46	19.13	19.13
30	159.47	352.93	34.89	34.89
40	177.17	530.10	52.41	52.41
50	171.98	702.08	69.41	69.41
60	146.03	848.12	83.85	83.84
70	104.58	952.70	94.19	94.18
80	54.12	1006.82	99.54	99.53
90	4.71	1011.53	100.00	100.00

Luminaire	KH FEELUX		
Lamp		Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(Filename 260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1Operator
Total flux (lm)	1012	Power Factor	0.5Date 2026-09-03 오후 12:27:35

IsoCandela (Type C)

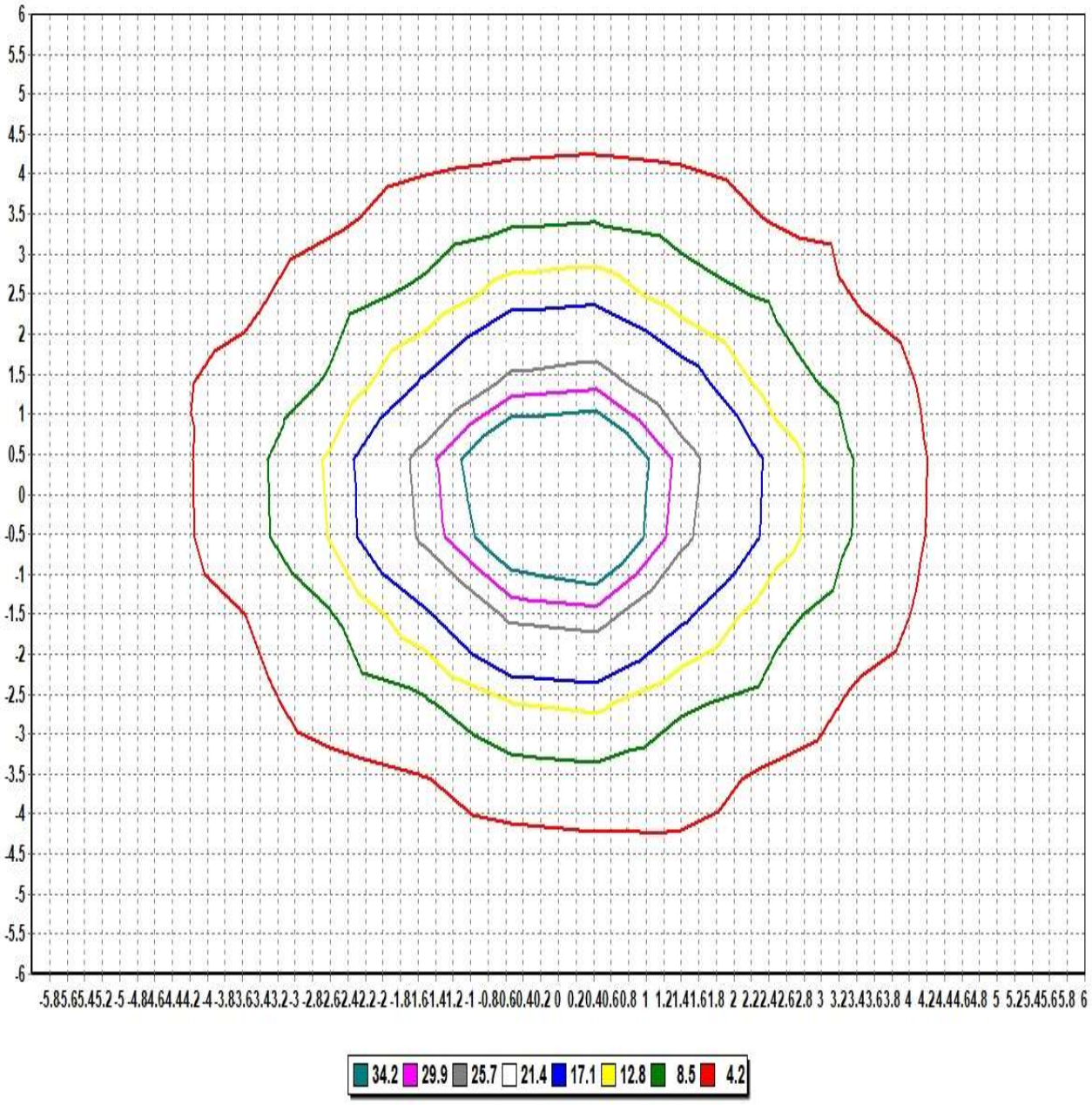






Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

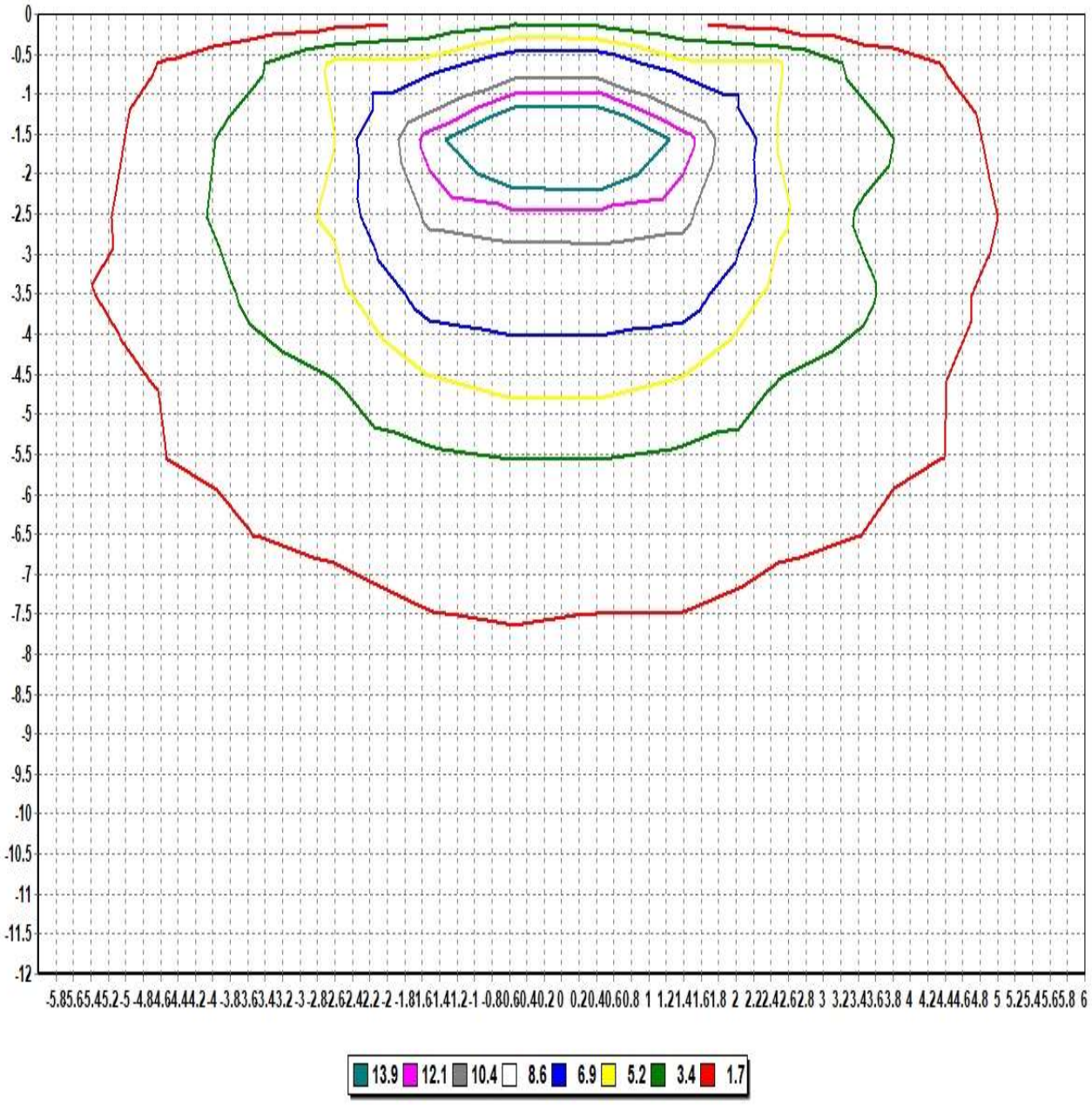
IsoLux Diagram (Ground)



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 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

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 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1419	Operator	
Total flux (lm)	1012	Power Factor	0.5935	Date	2026-09-03 오후 12:27:35

Illuminance Levels (Ground)

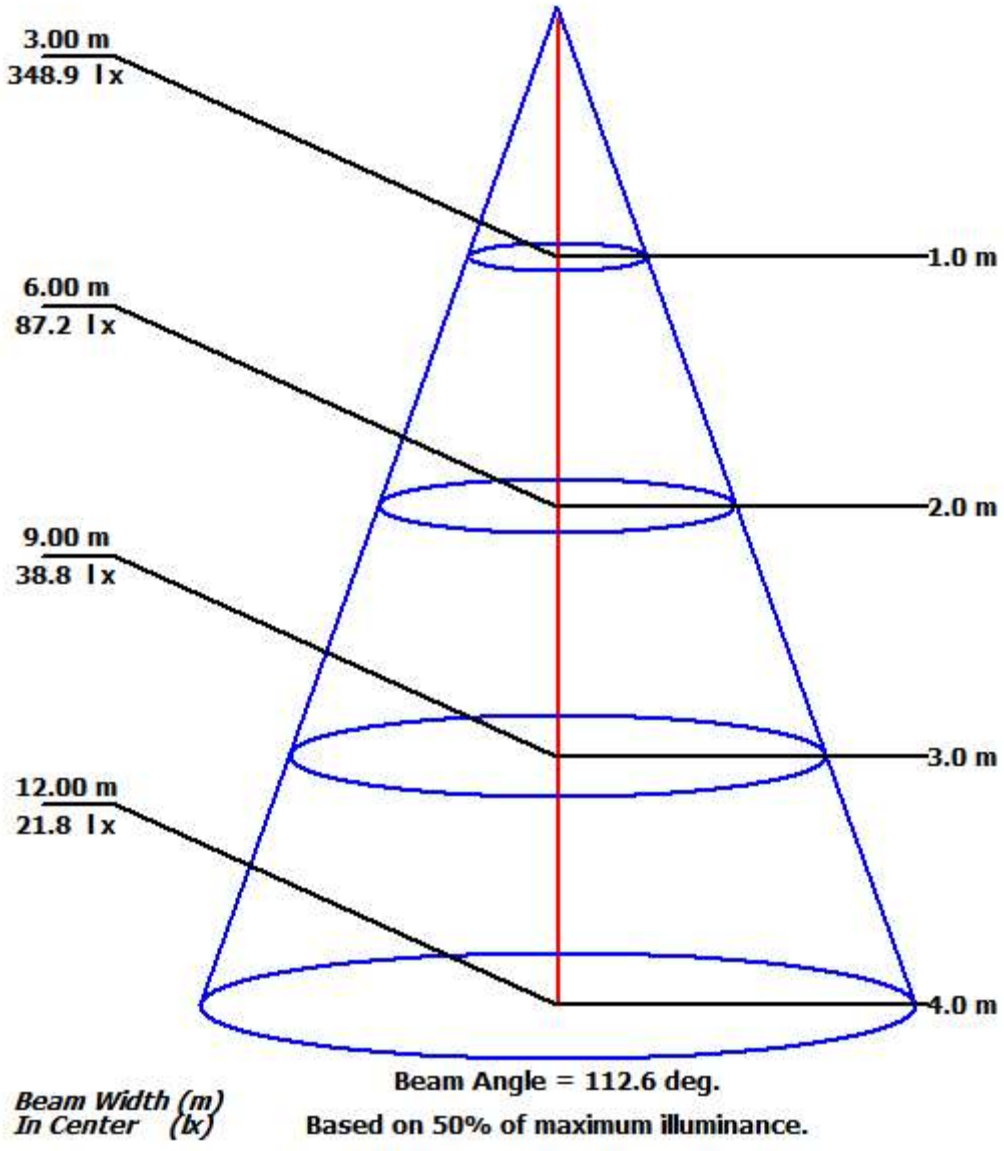
6.00	0.54	0.71	0.62	0.79	0.99	1.13	1.20	1.29	1.13	0.91	0.72	0.79	0.59
5.00	0.71	0.65	0.93	1.31	2.34	2.78	2.95	3.01	2.55	1.48	1.06	0.75	0.79
4.00	0.59	0.92	1.99	2.89	3.03	3.91	4.28	4.28	3.34	3.11	2.14	1.06	0.69
3.00	0.77	1.25	2.87	3.53	7.05	7.85	8.95	8.46	7.46	3.83	3.10	1.41	0.88
2.00	0.94	2.23	2.94	6.87	10.01	15.93	19.18	16.76	10.61	7.31	3.25	2.43	1.07
1.00	1.05	2.61	3.66	7.60	15.61	28.45	38.67	29.30	16.52	8.16	4.03	2.84	1.20
0.00	1.07	2.74	3.93	8.37	18.20	38.02	47.58	38.70	19.37	9.10	4.38	3.01	1.25
-1.00	1.02	2.58	3.59	7.30	15.07	27.46	38.51	28.62	16.03	7.93	3.96	2.81	1.16
-2.00	0.88	2.17	2.76	6.62	9.39	14.95	18.94	15.93	10.12	7.08	3.09	2.38	1.01
-3.00	0.70	1.16	2.67	3.23	6.54	7.16	8.79	7.81	7.02	3.58	2.93	1.33	0.82
-4.00	0.54	0.82	1.84	2.67	2.72	3.44	4.19	3.84	3.05	2.92	2.02	0.96	0.64
-5.00	0.64	0.58	0.82	1.13	2.11	2.48	2.89	2.73	2.32	1.30	0.95	0.67	0.72
-6.00	0.49	0.64	0.52	0.69	0.84	0.97	1.16	1.12	0.98	0.81	0.62	0.72	0.55
	-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.) : 47.581
Illum. (Min.) : 0.4867
Illum. (Avg.) : 5.5714
All illuminance level values are in lux.



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22(	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1	Operator	
Total flux (lm)	1012	Power Factor	0.5	Date	2026-09-03 오후 12:27:35

Illuminance Cone Diagram



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	220.45	Filename	260903 FNX3D 27K-24V-C90_lot202608.jdt
Lamp flux (lm)	1012	Current (A)	0.1419	Operator	
Total flux (lm)	1012	Power Factor	0.5935	Date	2026-09-03 오후 12:27:35

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