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 40K-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			

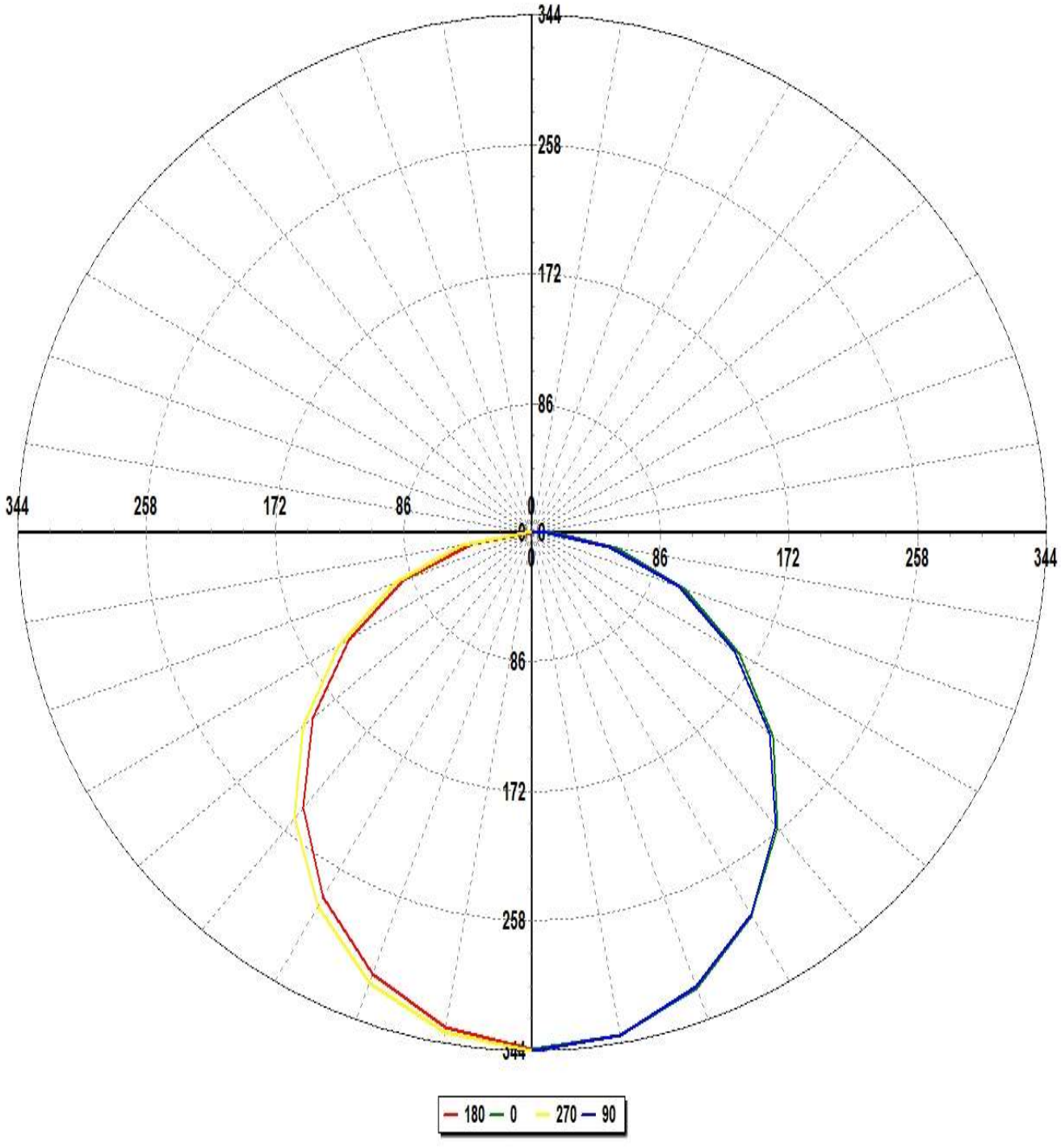
Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	36.0	
CIE 1931 Cx, Cy		0.3823 , 0.3813	
Correlated Color Temperature	K	3983	
Ra		91.92	
Power Factor		0.579	
Input Voltage	V	220.45	
Input Current	A	0.140	
Input Watt	W	17.894	
Lamp Flux	lm	1084.1	
Efficient	lm/W	60.59	
luminous Intensity (Max , Center)	cd	373 , 373	
Illuminance	lx	373	1 m
		93	2 m
		41	3 m

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

Click to load image

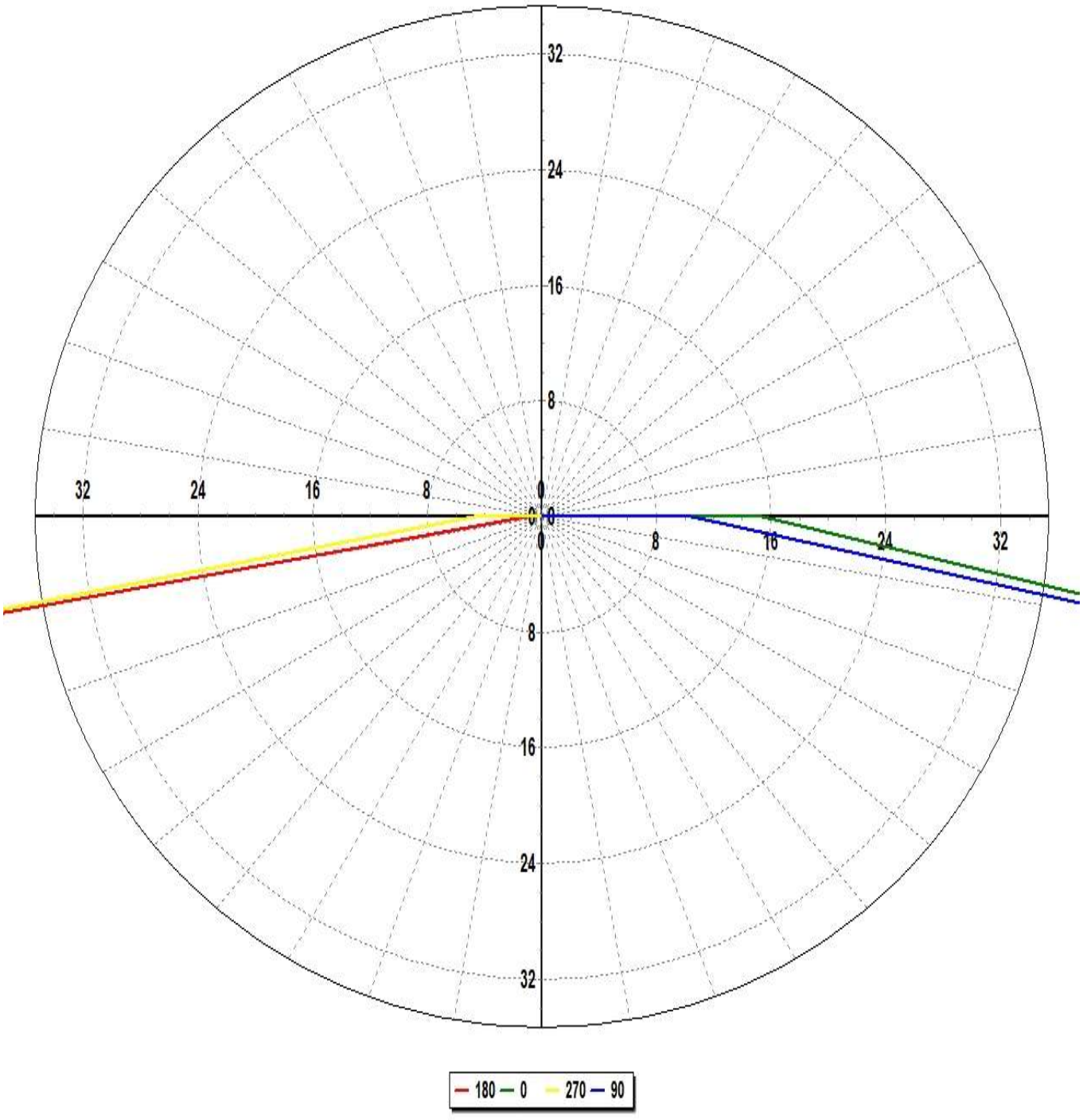
Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Luminous Intensity Distribution



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Luminous Intensity Distribution (Lowest 10%)



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	2	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Luminous Intensity Data

Maximum (cd) : 373
Minimum (cd) : 1

G/C	0	10	20	30	40	50	60	70	80	90	100
0	371.97	371.53	372.06	371.41	371.15	370.66	370.84	371.73	370.89	373.01	373.14
10	367.37	367.55	368.16	368.65	369.73	369.06	369.69	369.52	369.68	367.77	366.79
20	348.95	350	351.09	351.35	352.67	353.75	353.97	354.39	355.18	348.13	347.64
30	318.12	320.1	321.54	322.32	323.74	324.58	326.87	326.51	327.9	317.66	315.47
40	276.97	277.75	280.39	280.93	284.39	284.96	287.34	287.21	289	275.44	274.05
50	228.11	228.27	231.61	232.74	235.89	236.35	239.11	239.59	241.54	225.14	224.21
60	173.75	174.29	177.73	179.59	182.11	182.44	185.53	186.37	187.9	169.35	169.02
70	117.9	119.14	121.13	123.15	125.42	127.29	129.03	129.79	130.95	112.97	111.93
80	62.37	63.48	65.53	67.29	69.16	70.89	72.5	73.64	74.34	56.98	55.75
90	16.66	9.99	20.37	13.24	23.49	16.45	26.23	18.76	28.53	11.3	4.58

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Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Luminous Intensity Data (Continued)

Maximum (cd) : 373
Minimum (cd) : 1

G/C	110	120	130	140	150	160	170	180	190	200	210
0	373.29	372.62	372.06	372.55	372.01	372.06	371.59	371.97	371.53	372.06	371.41
10	367.38	366.3	366.09	364.14	364.14	363.46	362.87	361.78	361.01	360.45	360.1
20	347.53	345.95	345.48	344.01	342.09	340.13	340.08	337.94	337.43	336.11	336.32
30	316.33	313.08	312.67	309.99	309.48	306.18	305.19	303.24	303.06	300.41	300.68
40	273.38	271.43	269.79	266.1	265.6	262.85	261.84	258.6	257.7	255.85	255.59
50	223.09	221.5	219.83	216.82	215.67	211.86	210.53	207.64	207.12	204.87	203.87
60	168.65	165.42	165.19	162.15	161.49	157.67	155.58	153.12	151.88	149.63	150.2
70	112.13	108.94	108.78	106.76	104.57	101.67	100.92	98.88	97.16	95.52	94.09
80	55.85	53.83	52.79	51.86	50.38	47.31	45.58	43.84	42.25	41.38	40.65
90	10.49	4.41	8.22	3.93	5.06	2.26	2.59	1.12	2.66	1.84	3.35

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	2	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Luminous Intensity Data (Continued)

Maximum (cd) : 373
Minimum (cd) : 1

G/C	220	230	240	250	260	270	280	290	300	310	320
0	371.15	370.66	370.84	371.73	370.89	373.01	373.14	373.29	372.62	372.06	372.55
10	359.74	359.43	358.83	359.29	358.43	365.14	365.97	365.03	365.25	366.32	366.69
20	335.21	334.84	334.43	334.19	334.06	344.63	345.05	344.76	345.66	345.4	346.24
30	298.49	298.48	297.64	297.72	296.71	310.96	311.61	312.1	313.98	313.14	315.23
40	253.5	254.36	252.12	252.02	251.26	267.69	269.11	268.9	270.56	270.13	271.56
50	201.33	201.78	200.14	200.25	198.92	216.7	218.73	218.78	220.32	220.56	221.93
60	147.47	147.41	144.6	144.01	143.16	161.91	163.47	163.87	165.68	166	167.92
70	93.02	91.64	89.38	89.76	87.99	106.09	106.99	107.43	109.07	110.22	112.12
80	39.26	37.92	36.91	36.84	35.14	51.8	52.72	53.67	54.74	55.35	56.22
90	4.76	4.87	4.48	4.49	4.18	5.09	10.88	6.72	12.24	6.54	13.53

Luminaire	KH FEELUX				
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Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Luminous Intensity Data (Continued)

Maximum (cd) : 373
Minimum (cd) : 1

G/C	330	340	350	360
0	372.01	372.06	371.59	371.97
10	365.56	367.22	366.58	367.37
20	347.16	348.4	347.98	348.95
30	315.1	316.07	316.31	318.12
40	272.35	273.83	274.39	276.97
50	223.03	224.63	224.53	228.11
60	168.63	169.97	170.6	173.75
70	112.03	114.15	115.56	117.9
80	57.8	59.54	60.7	62.37
90	6.76	15.33	7.52	16.66

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	2	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

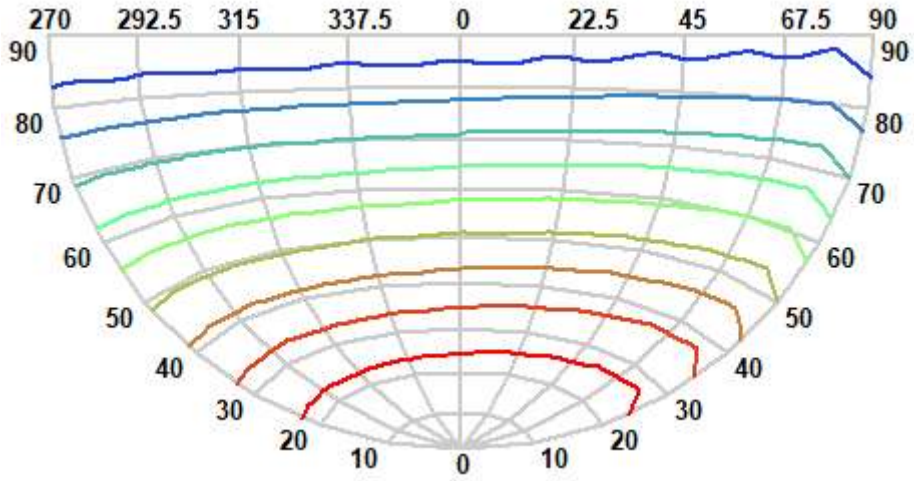
Luminous Flux Table

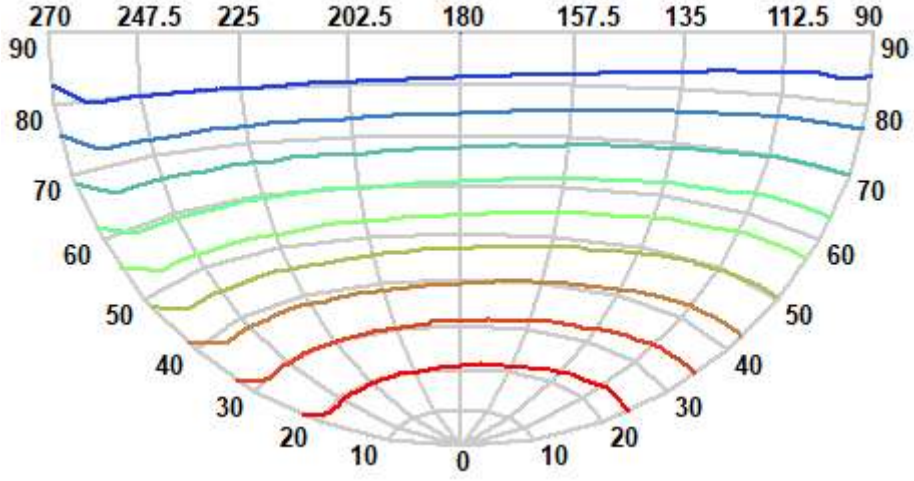
Total Lamp Lumens:	1084.1
Luminaire Efficiency (lm/W):	60.59
CIE Classification:	Direct

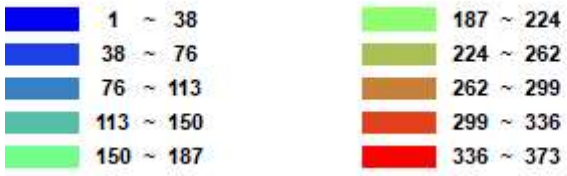
Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.89	8.89	0.82	0.82
10	69.42	78.32	7.22	7.22
20	129.11	207.43	19.13	19.13
30	170.96	378.38	34.90	34.90
40	189.67	568.05	52.40	52.40
50	184.04	752.10	69.38	69.37
60	156.34	908.43	83.80	83.79
70	112.17	1020.60	94.14	94.14
80	58.31	1078.91	99.52	99.52
90	5.22	1084.13	100.00	100.00

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
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Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

IsoCandela (Type C)

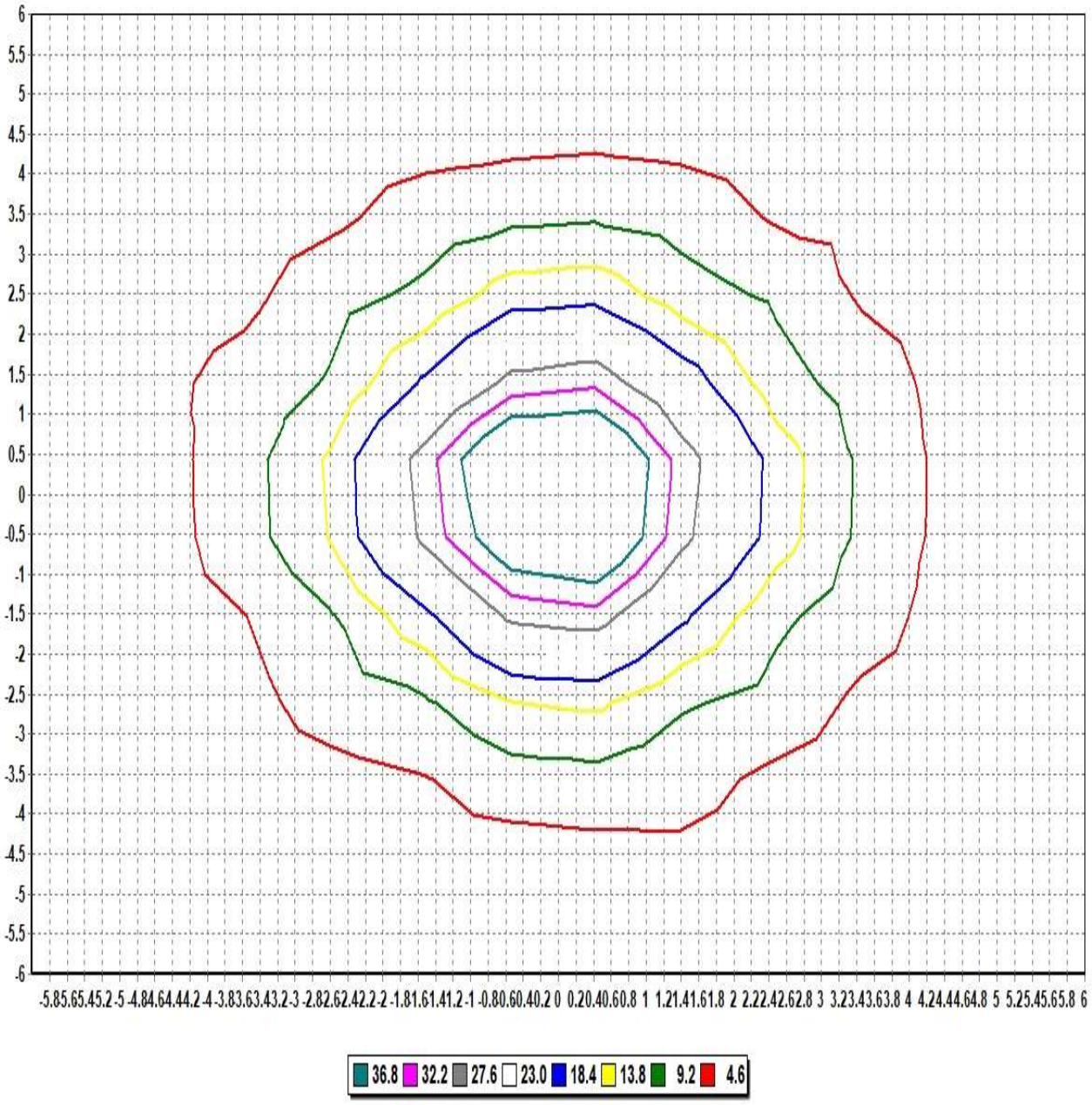






Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	2	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

IsoLux Diagram (Ground)

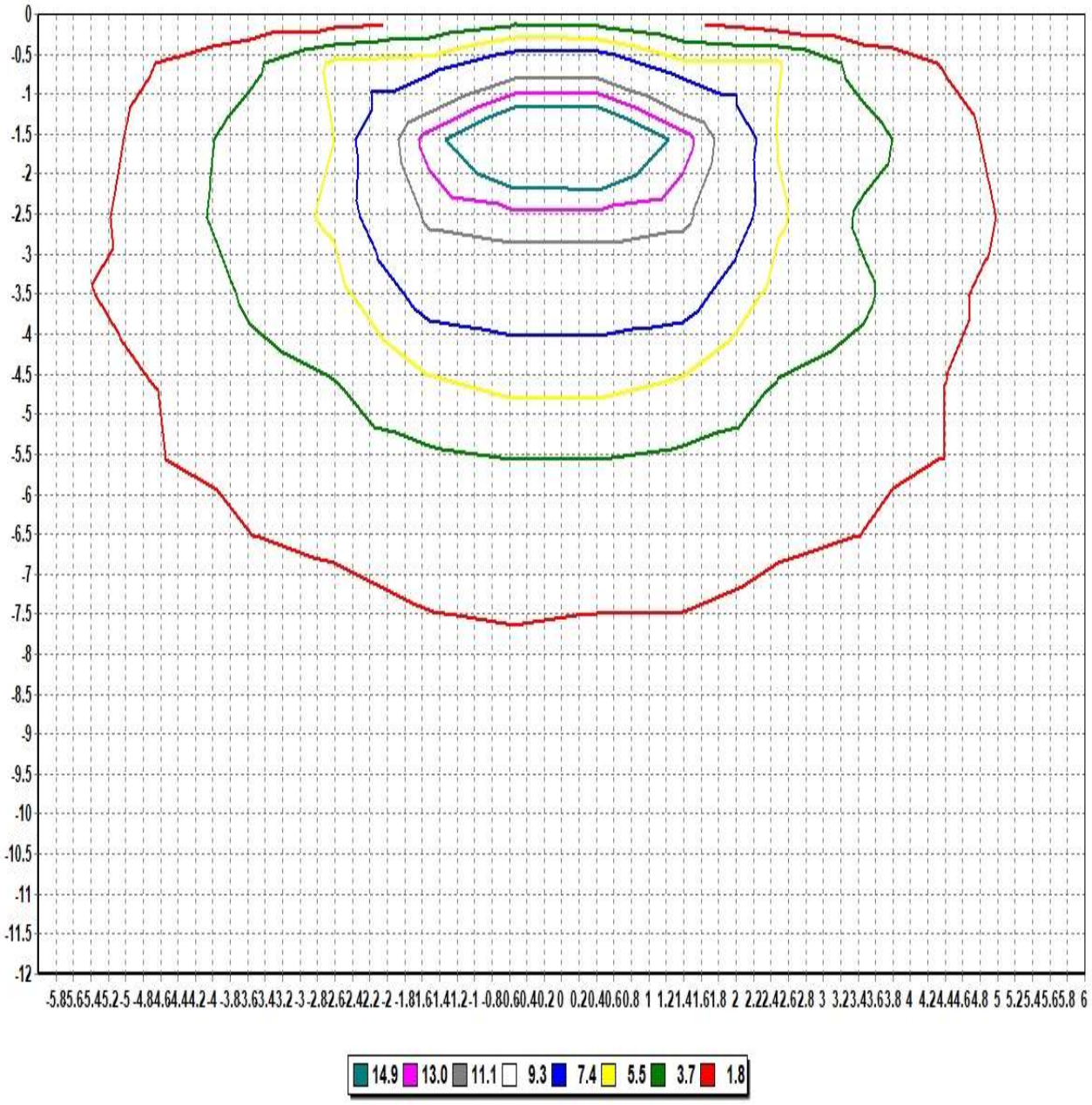


Pole Height (m): 2.7
Area Width (m): 12

Total Optical Solution Provider

Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

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 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.14009	Operator	
Total flux (lm)	1084	Power Factor	0.5794	Date	2026-09-03 오후 2:36:27

Illuminance Levels (Ground)

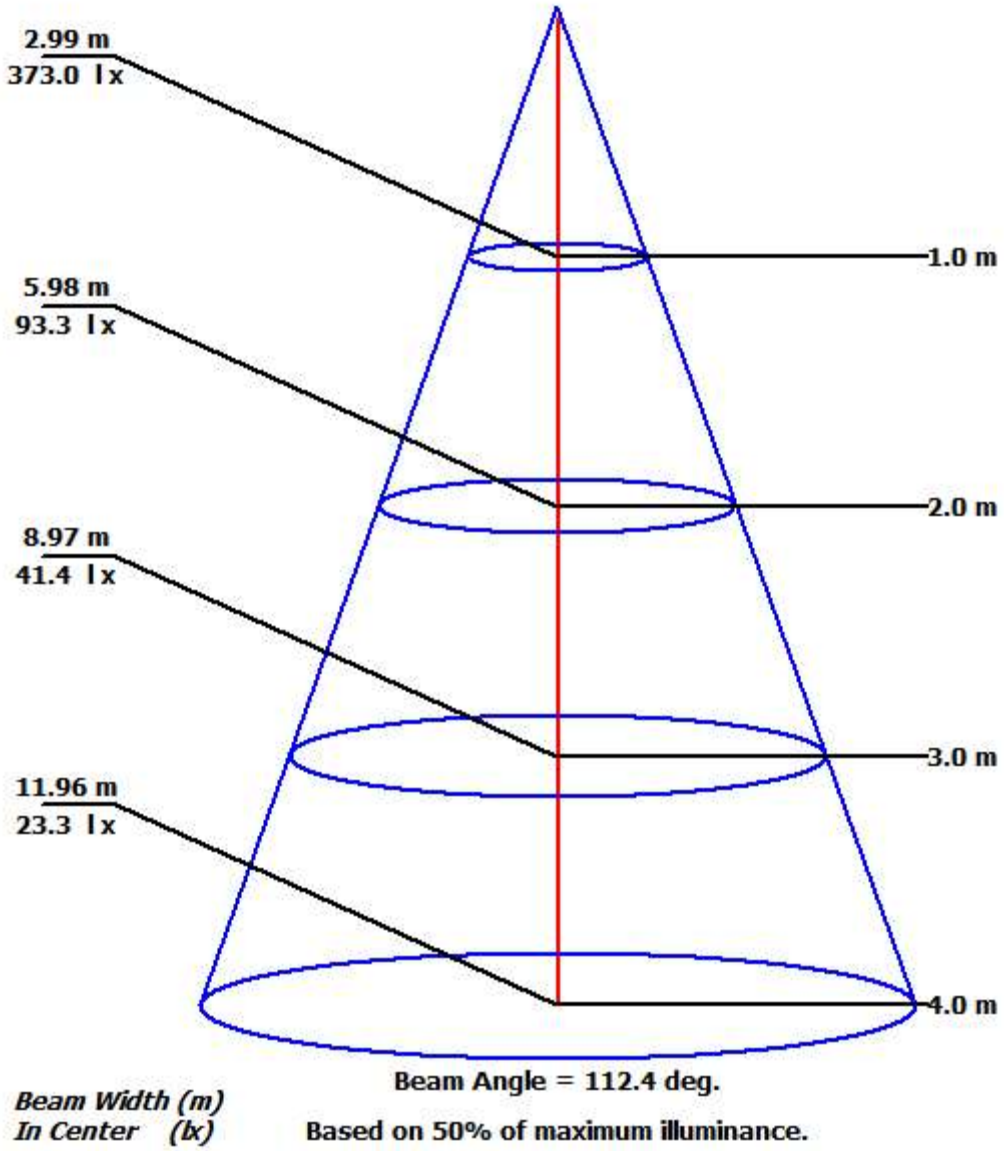
6.00	0.58	0.77	0.67	0.86	1.08	1.23	1.30	1.39	1.22	0.99	0.78	0.85	0.64
5.00	0.76	0.71	1.01	1.42	2.54	3.00	3.18	3.23	2.74	1.59	1.14	0.81	0.85
4.00	0.64	1.00	2.15	3.11	3.27	4.22	4.61	4.61	3.59	3.34	2.31	1.14	0.74
3.00	0.83	1.35	3.09	3.80	7.58	8.48	9.66	9.07	8.01	4.12	3.33	1.51	0.95
2.00	1.01	2.40	3.18	7.39	10.79	17.15	20.65	18.00	11.38	7.83	3.50	2.60	1.15
1.00	1.13	2.80	3.92	8.17	16.77	30.57	41.53	31.45	17.69	8.77	4.32	3.05	1.29
0.00	1.15	2.92	4.20	8.94	19.51	40.84	51.02	41.49	20.73	9.77	4.70	3.23	1.34
-1.00	1.09	2.76	3.84	7.80	16.13	29.38	41.23	30.62	17.14	8.48	4.24	3.00	1.25
-2.00	0.94	2.32	2.96	7.08	10.01	15.99	20.12	17.02	10.78	7.57	3.30	2.54	1.08
-3.00	0.75	1.24	2.85	3.44	6.98	7.61	9.31	8.31	7.49	3.81	3.12	1.42	0.88
-4.00	0.58	0.88	1.96	2.84	2.89	3.64	4.42	4.07	3.24	3.11	2.15	1.02	0.68
-5.00	0.68	0.61	0.87	1.18	2.24	2.63	3.06	2.89	2.47	1.37	1.01	0.71	0.77
-6.00	0.52	0.68	0.55	0.73	0.89	1.02	1.23	1.18	1.04	0.85	0.66	0.77	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.) : 51.025
Illum. (Min.) : 0.5195
Illum. (Avg.) : 5.9686
All illuminance level values are in lux.



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	22	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.1	Operator	
Total flux (lm)	1084	Power Factor	0.	Date	2026-09-03 오후 2:36:27

Illuminance Cone Diagram



Luminaire	KH FEELUX				
Lamp				Report	KH FEELUX
No. of lamps	1	Voltage (V)	220.45	Filename	260903 FNX3D 40K-24V-C90_lot202608.jdt
Lamp flux (lm)	1084	Current (A)	0.14009	Operator	
Total flux (lm)	1084	Power Factor	0.5794	Date	2026-09-03 오후 2:36:27

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