

TEST REPORT

1. Applicant

* Client Name : KH FEELUX Co. Ltd.
* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-Si Gyeonggi-do South Korea
* Date of Receipt : 240523

2. Purpose of Report :

3. Number of Report : KH FEELUX

4. Test Standard / Item : / 240613 FNL 3D 35K-24V-C90-35D-1M

5. Test Period : 240613 ~ 240613

6. Test Environment

* Ambient Temp. : 25.0 +- 3 °C
* 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	
	장상윤	Sign	장상윤	Sign

- * 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	%	0.0	
CIE 1931 Cx, Cy		0.4177 , 0.3966	
Correlated Color Temperature	K	3292	
Ra		93.15	
Power Factor		1.000	
Input Voltage	V	23.898	
Input Current	A	0.825	
Input Watt	W	19.721	
Lamp Flux	lm	1448.7	
Efficient	lm/W	73.46	
luminous Intensity (Max , Center)	cd	1954 , 1954	
Illuminance	lx	1954	1 m
		488	2 m
		217	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)

23.89Filename 240613 FNL 3D 35K-24V-C90-35D-1M.jdt

Lamp flux (lm) 1449

Current (A)

0.825Operator

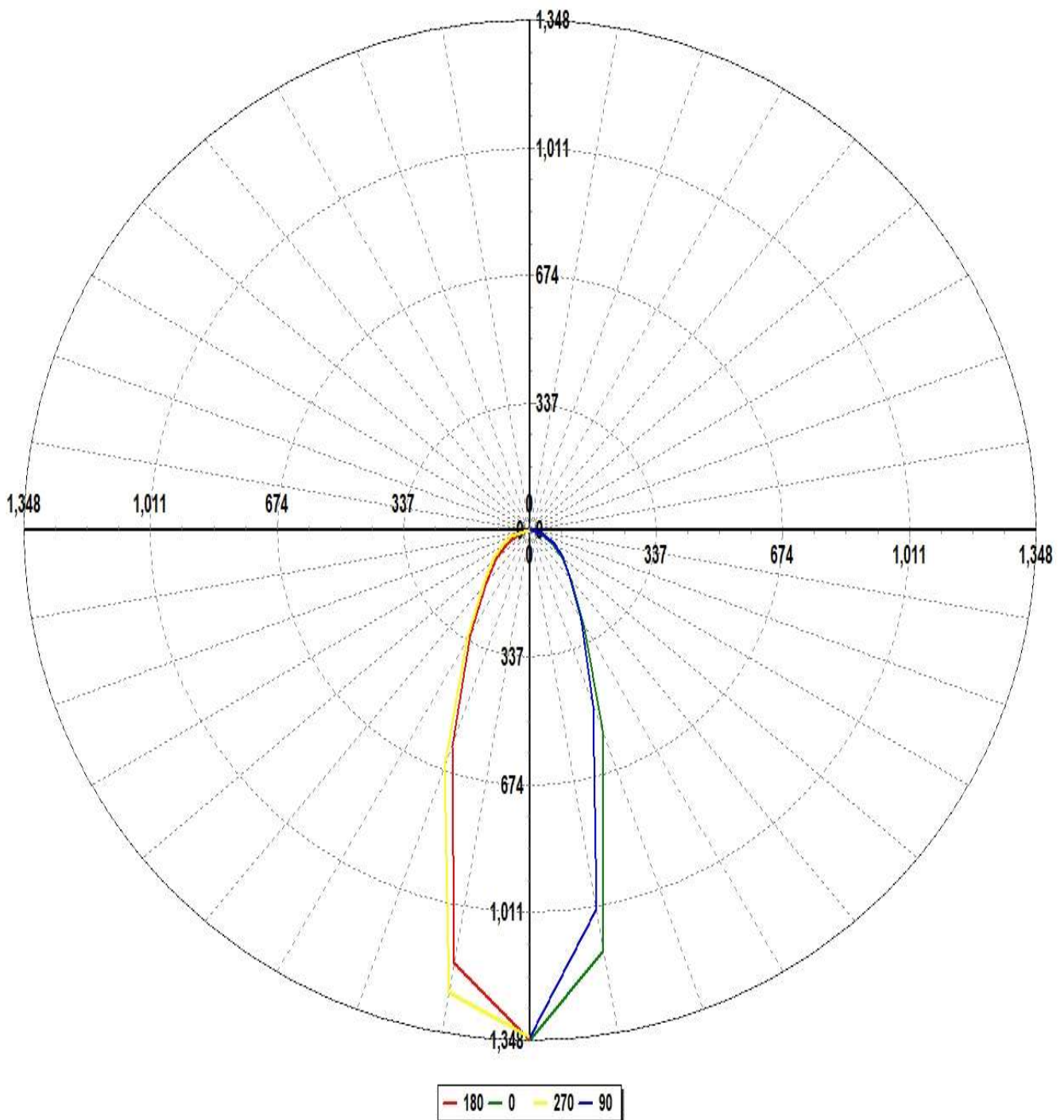
Total flux (lm) 1449

Power Factor

Date

2024-06-13 오후 2:21:10

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

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Current (A)

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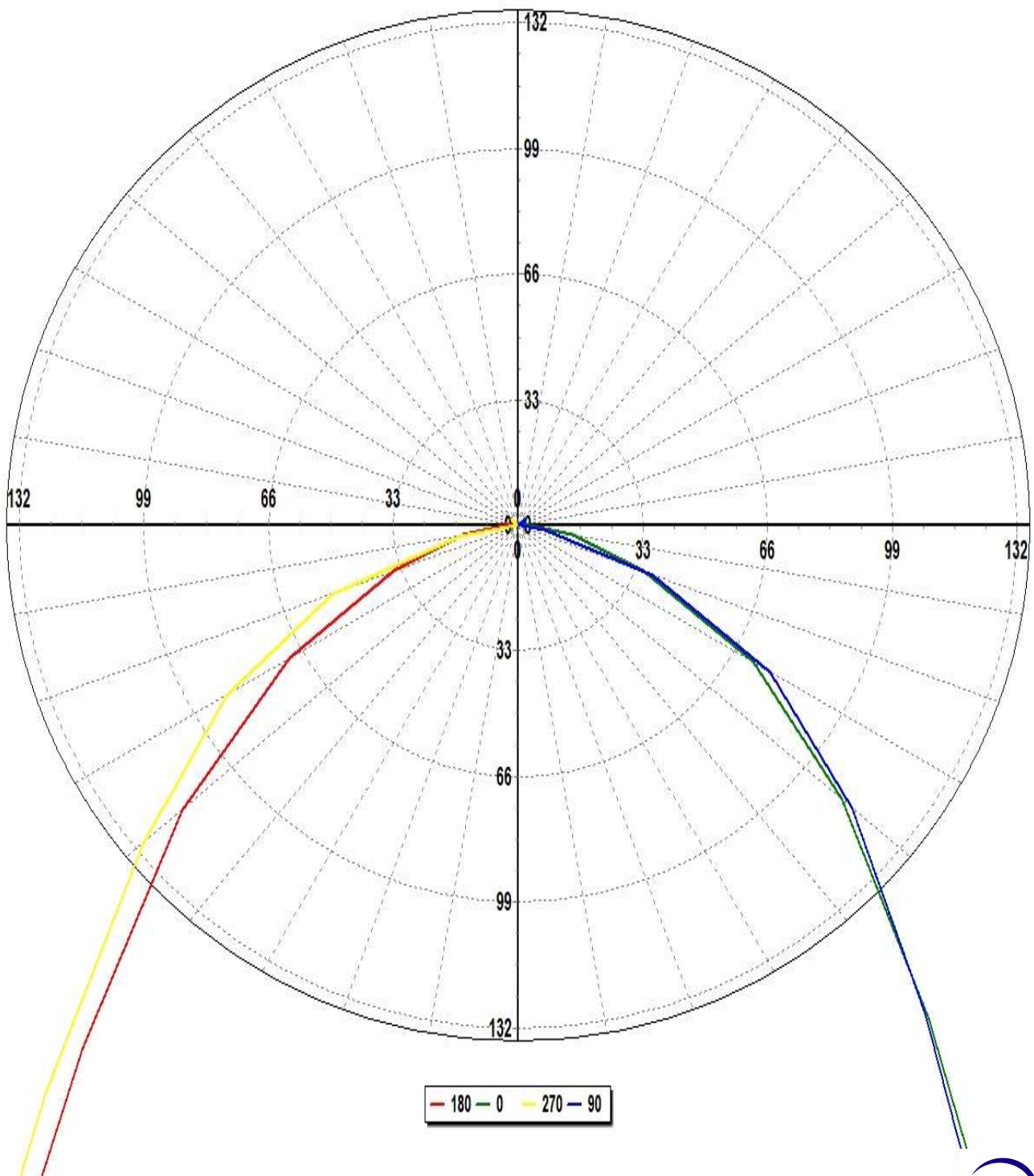
Total flux (lm) 1449

Power Factor

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Current (A)

0.825Operator

Total flux (lm) 1449

Power Factor

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Luminous Intensity Data

Maximum (cd) : 1954

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270
0	1953.62	1948.55	1947.81	1942.53	1945.81	1944.27	1953.62	1948.55	1947.81	1942.53
10	1636.63	1489.2	1630.53	1472.92	1618.37	1458.24	1680.52	1797.18	1676.66	1796.48
20	814.65	742.87	791.71	712.71	765.97	699.79	880.85	958.51	884.57	965.54
30	416.77	409.06	408.31	395.63	393.78	380.99	464.27	472.44	476.26	487.24
40	244.96	242.73	248.42	242.76	240.94	227.48	259.76	265.54	272.89	282
50	161.93	162.29	172.94	167.11	165.18	152.2	167.74	172.62	183.5	187.32
60	103.76	107.19	117.75	111.41	108.59	93.49	101.17	113.01	124.97	128.95
70	51.12	54.31	64.1	54.87	57.56	43.01	50.76	57.41	73.4	75.73
80	21.17	21.13	20.96	10.32	17.29	15.53	21.61	23.4	26.61	22.61
90	4.6	3.65	1.37	1.41	1.58	2.8	4.91	5.31	3.74	0.74
100	1.18	1.06	1.33	1.16	1.85	0.78	1.06	0.89	1	1.03
110	1.55	2.45	2	1.38	1.37	2.1	1.39	1.19	2.1	0.95
120	2.8	2.91	2.67	3.2	2.8	2.77	2.53	2.72	2.57	1.7
130	4.29	4.47	4.32	4.07	3.69	4.45	3.58	3.45	3.4	3.46

Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	23.89	Filename	240613 FNL 3D 35K-24V-C90-35D-1M.jdt
Lamp flux (lm)	1449	Current (A)	0.825	Operator	
Total flux (lm)	1449	Power Factor		Date	2024-06-13 오후 2:21:10

Luminous Intensity Data (Continued)

Maximum (cd) : 1954

Minimum (cd) : 1

G/C	300	330	360
0	1945.81	1944.27	1953.62
10	1682.72	1795.78	1636.63
20	901.59	995.47	814.65
30	487.49	501.56	416.77
40	282.85	284.8	244.96
50	191.17	185.03	161.93
60	133.92	125.17	103.76
70	79.91	72.29	51.12
80	32.75	29.75	21.17
90	5.1	7.95	4.6
100	1.2	1.32	1.18
110	0.87	1.75	1.55
120	2.35	2.37	2.8
130	3.74	2.67	4.29

Luminaire KH FEELUX

Lamp

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No. of lamps 1

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Current (A)

0.825Operator

Total flux (lm) 1449

Power Factor

Date

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Luminous Flux Table

Total Lamp Lumens: 1448.7

Luminaire Efficiency (lm/W): 73.46

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	46.55	46.55	3.21	3.21
10	312.78	359.33	24.80	24.80
20	315.72	675.06	46.60	46.60
30	241.58	916.64	63.27	63.27
40	181.58	1098.22	75.81	75.81
50	144.66	1242.88	85.79	85.79
60	108.24	1351.12	93.26	93.26
70	62.99	1414.11	97.61	97.61
80	23.65	1437.76	99.24	99.24
90	3.94	1441.70	99.52	99.52
100	1.25	1442.94	99.60	99.60
110	1.64	1444.58	99.72	99.71
120	2.48	1447.07	99.89	99.89
130	1.65	1448.72	100.00	100.00

Luminaire KH FEELUX

Lamp

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KH FEELUX

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Current (A)

0.825Operator

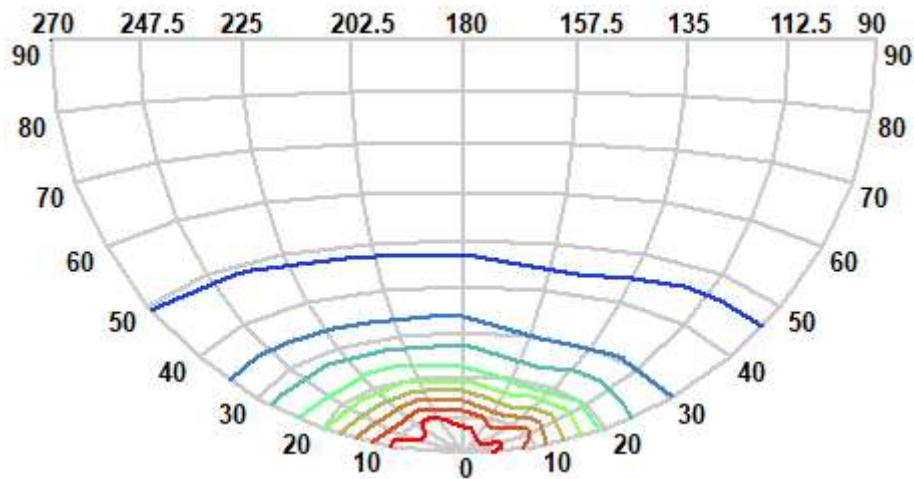
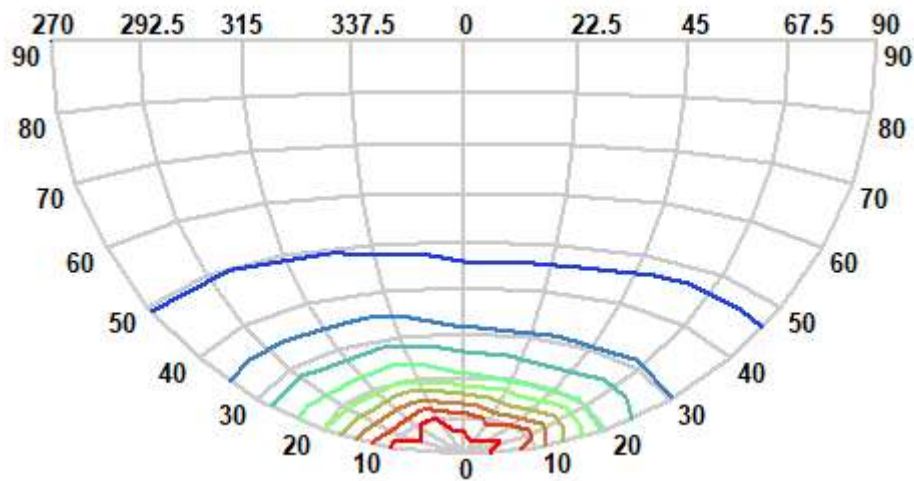
Total flux (lm) 1449

Power Factor

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IsoCandela (Type C)



1 ~ 196	977 ~ 1172
196 ~ 391	1172 ~ 1368
391 ~ 587	1368 ~ 1563
587 ~ 782	1563 ~ 1758
782 ~ 977	1758 ~ 1954

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Current (A)

0.825Operator

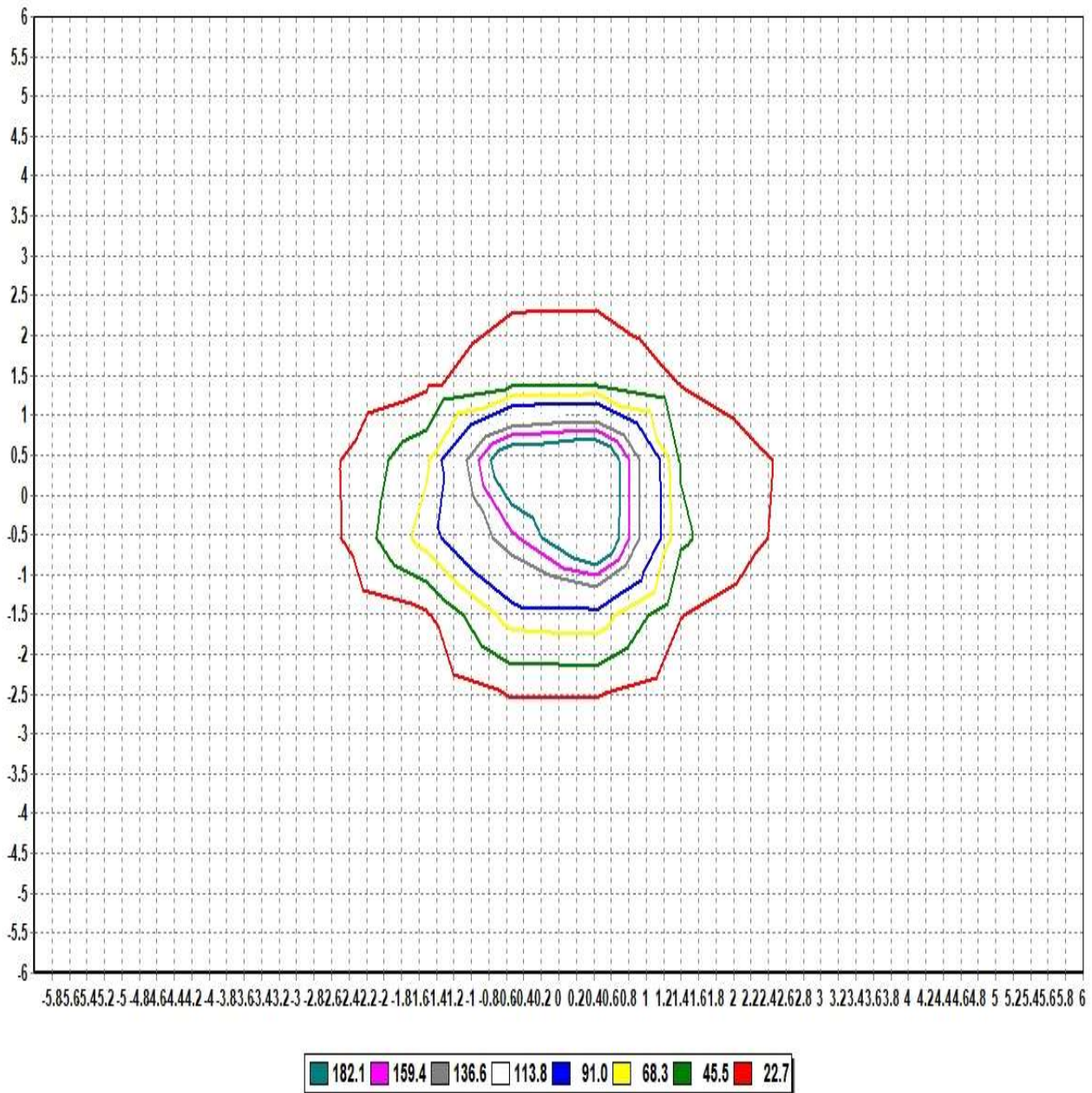
Total flux (lm) 1449

Power Factor

Date

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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)

23.89Filename 240613 FNL 3D 35K-24V-C90-35D-1M.jdt

Lamp flux (lm) 1449

Current (A)

0.825Operator

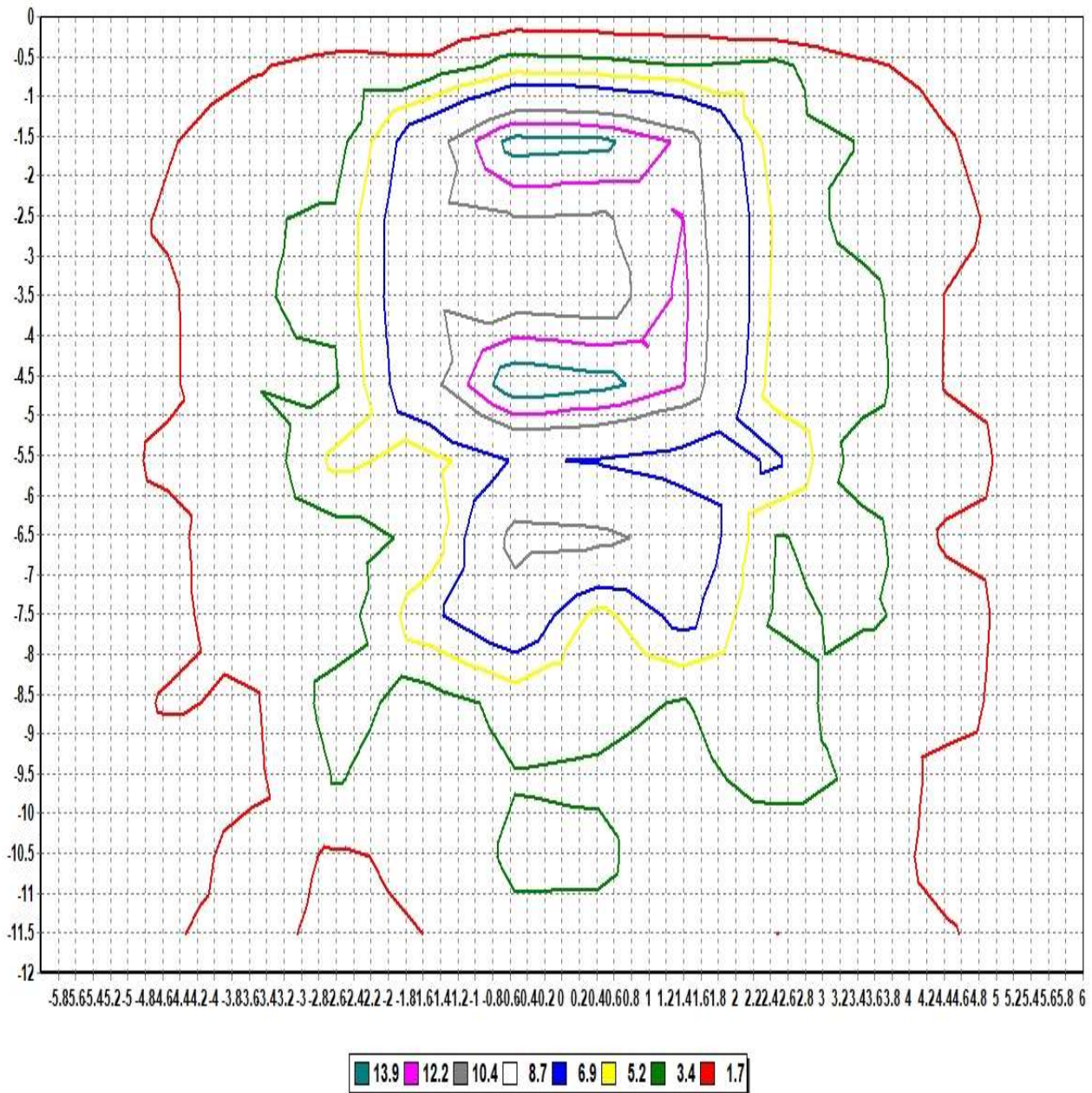
Total flux (lm) 1449

Power Factor

Date

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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.898
Lamp flux (lm)	1449	Current (A)	0.8252
Total flux (lm)	1449	Power Factor	1

Report

KH FEELUX

Filename 240613 FNL 3D 35K-24V-C90-35D-1M.jdt

Operator

Date 2024-06-13 오후 2:21:10

Illuminance Levels (Ground)

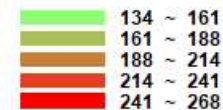
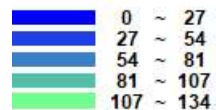
6.00	0.37	0.50	0.34	0.48	0.61	0.76	0.75	0.73	0.62	0.47	0.39	0.52	0.36
5.00	0.45	0.38	0.57	0.84	1.81	2.24	2.33	2.22	1.81	0.91	0.62	0.36	0.48
4.00	0.28	0.50	1.55	2.32	2.18	2.99	3.21	2.98	2.17	2.38	1.50	0.54	0.32
3.00	0.47	0.69	2.14	2.63	6.46	6.37	7.48	6.39	6.60	2.54	2.25	0.78	0.46
2.00	0.56	1.76	2.14	6.06	8.76	15.47	21.06	15.64	8.68	6.45	2.14	1.77	0.58
1.00	0.62	2.09	2.66	6.16	15.36	45.38	163.83	47.59	15.61	6.24	3.03	2.30	0.79
0.00	0.68	2.31	3.07	7.64	23.54	187.17	267.99	182.13	21.68	7.33	3.05	2.24	0.70
-1.00	0.60	2.04	2.64	6.58	17.08	54.80	200.18	56.49	18.22	7.27	2.99	2.23	0.72
-2.00	0.59	1.86	2.24	6.83	9.22	17.17	25.14	18.19	10.09	7.48	2.64	2.10	0.78
-3.00	0.48	0.77	2.33	2.60	7.19	6.81	8.47	7.29	7.45	3.09	2.60	1.00	0.64
-4.00	0.32	0.54	1.56	2.52	2.29	3.29	3.66	3.28	2.65	2.63	1.79	0.72	0.45
-5.00	0.48	0.37	0.67	1.00	1.92	2.44	2.62	2.43	2.11	1.03	0.74	0.51	0.59
-6.00	0.36	0.56	0.44	0.50	0.67	0.88	0.93	0.87	0.79	0.64	0.47	0.60	0.45
-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.) : 267.99

Illum. (Min.) : 0.2807

Illum. (Avg.) : 10.533

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

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No. of lamps 1

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Lamp flux (lm) 1449

Current (A)

0.825Operator

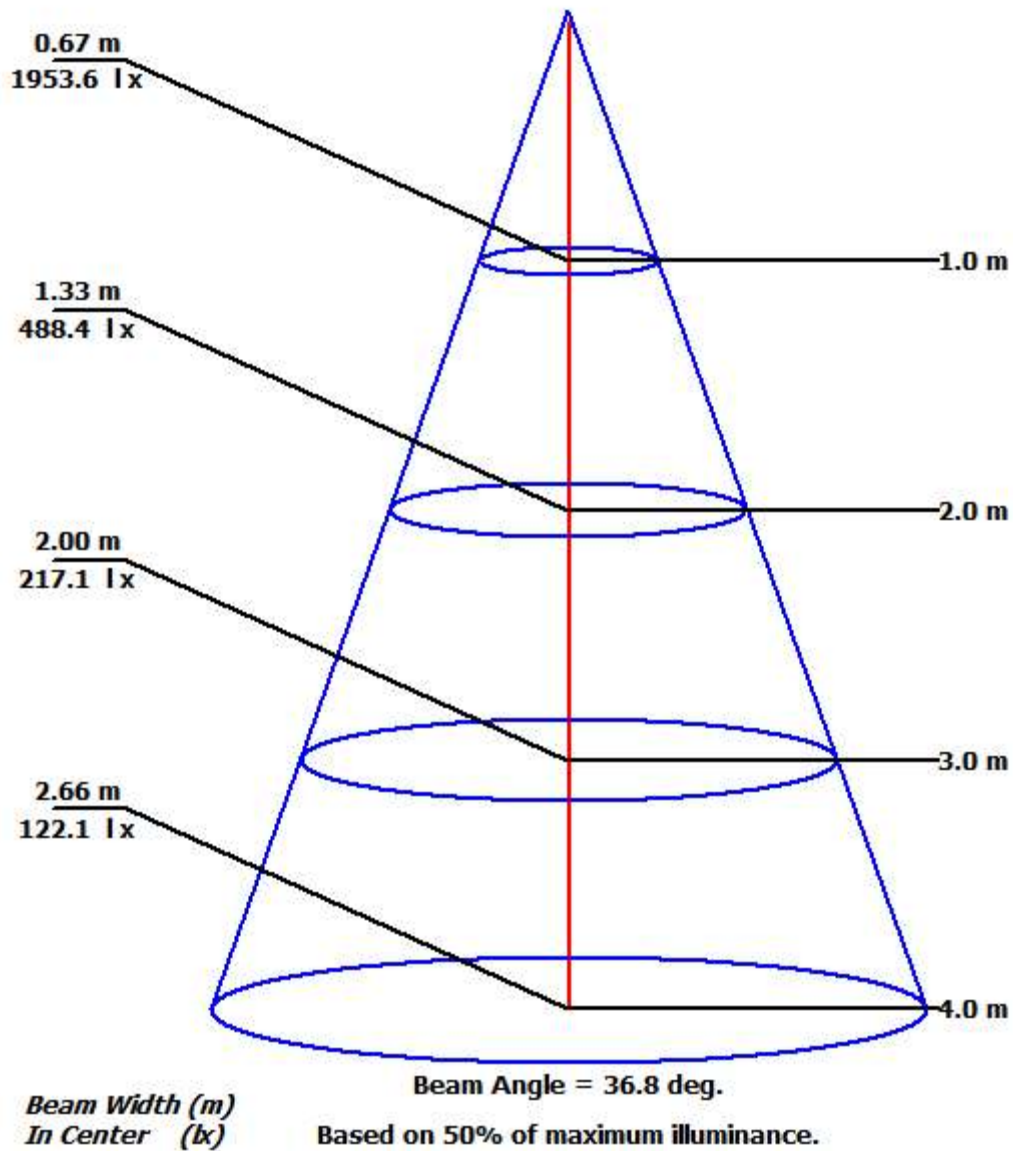
Total flux (lm) 1449

Power Factor

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps 1 Voltage (V) 23.898

Filename 240613 FNL 3D 35K-24V-C90-35D-1M.jdt

Lamp flux (lm) 1449 Current (A) 0.8252

Operator

Total flux (lm) 1449 Power Factor 1

Date 2024-06-13 오후 2:21:10

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