

TEST REPORT

1. Applicant

* Client Name : KH-FEELUX Co. Ltd.
* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
* Date of Receipt : 220310

2. Purpose of Report :**3. Number of Report :** 220310**4. Test Standard / Item :** / NDF3 40K-120V FLICKERFREE 28LM9**5. Test Period :** 220310 ~ 220310**6. Test Environment**

* Ambient Temp. : 21.0 +- 3 °C
* Relative Humidity : 23.0 +- 10 % RH

7. Test Item

* Name of Product :
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	YKI	Sign	YKI	Sign

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reproduced, 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
220310			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	19.5	
CIE 1931 Cx, Cy		0.3817 , 0.3694	
Correlated Color Temperature	K	3913	
Ra		94.98	
Power Factor		0.980	
Input Voltage	V	120.31	
Input Current	A	0.022	
Input Watt	W	2.5469	
Lamp Flux	lm	113.1	
Efficient	lm/W	44.40	
luminous Intensity (Max , Center)	cd	35 , 35	
Illuminance	lx	35	1 m
		9	2 m
		4	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

220310

No. of lamps 1

Voltage (V)

12Filename NDF3 40K-120V FLICKERFREE 28LM9.jdt

Lamp flux (lm) 113

Current (A)

0.02Operator

YKI

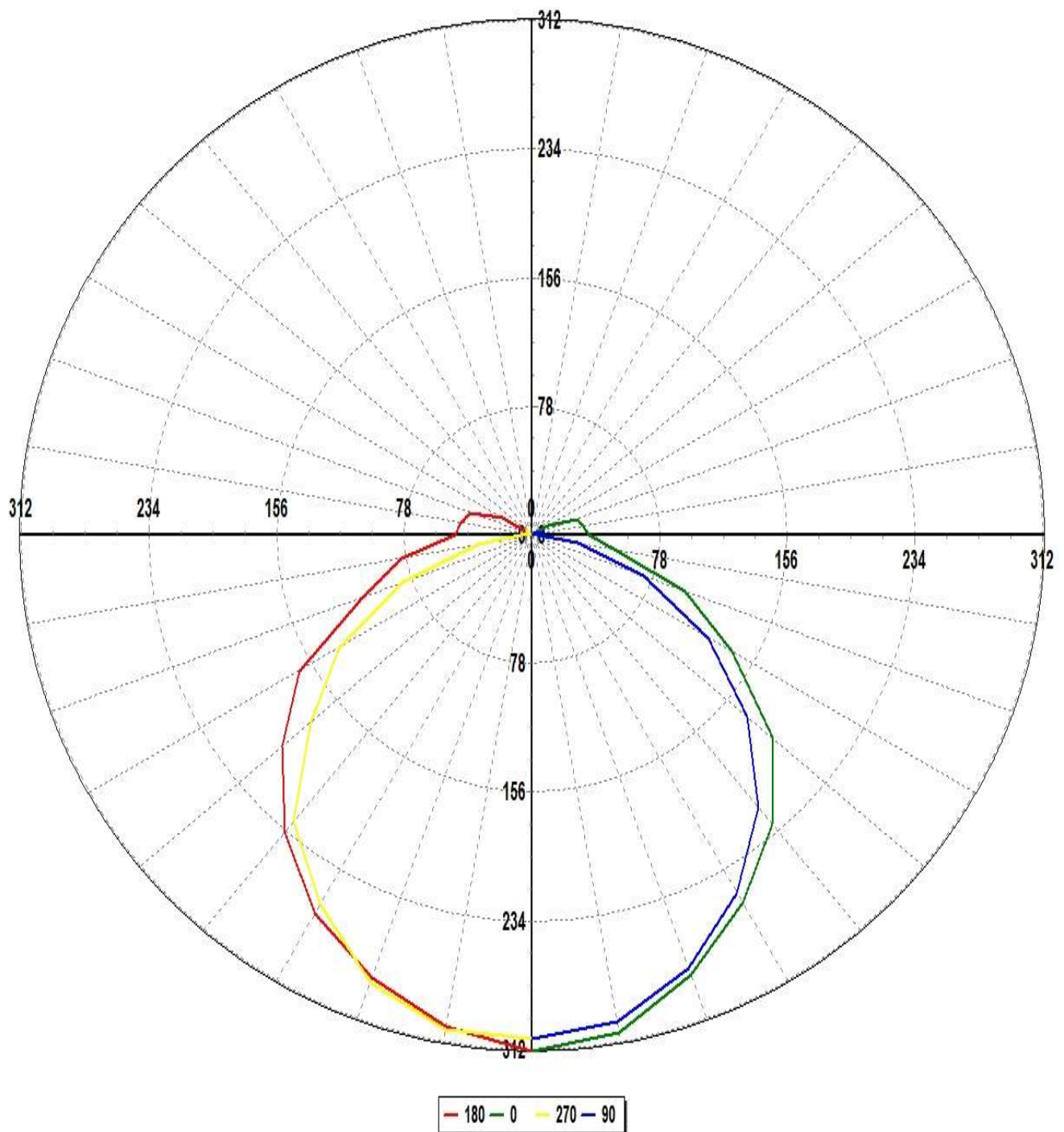
Total flux (lm) 113

Power Factor

0.9Date

2022-03-10 오후 3:43:33

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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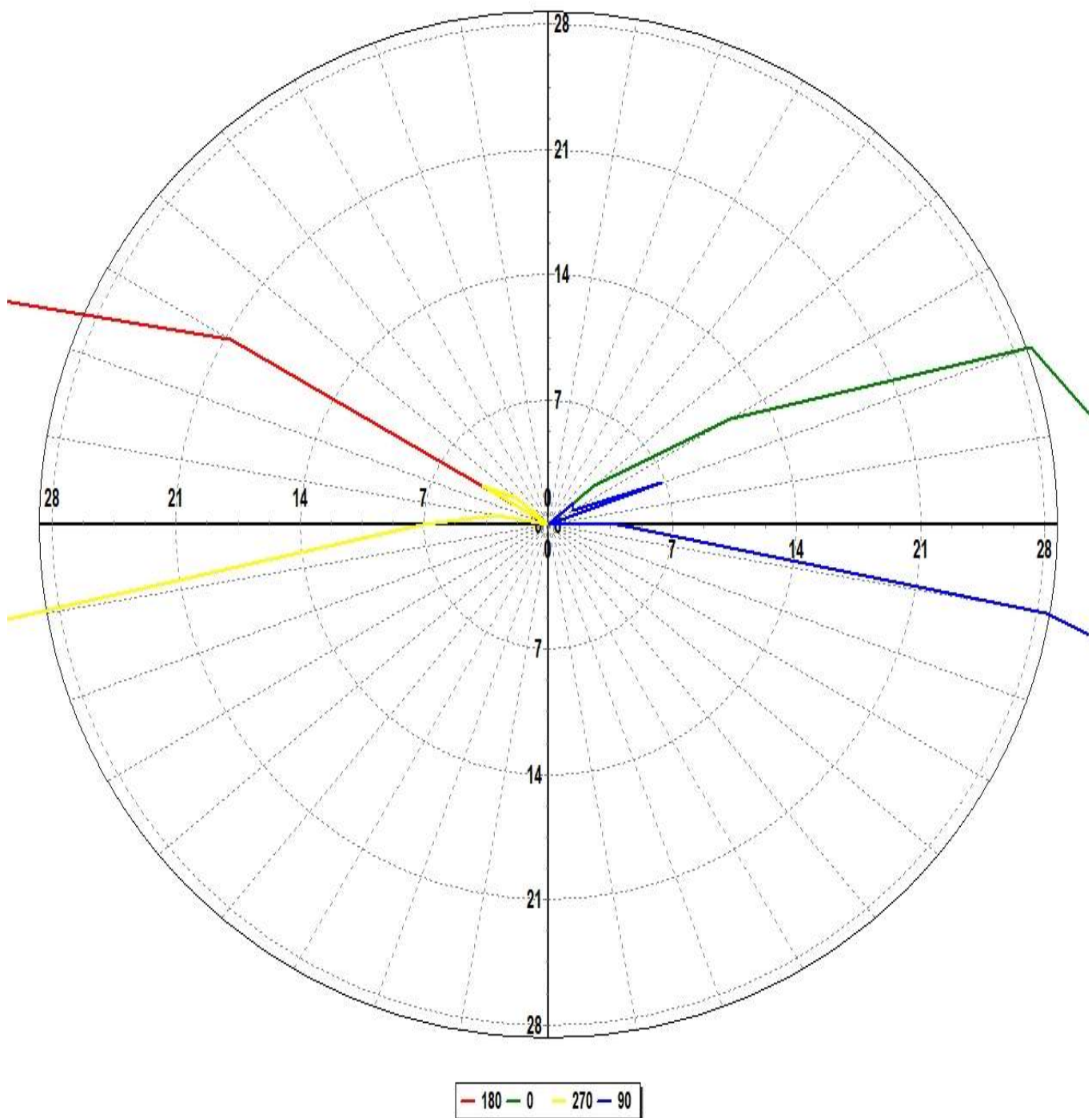
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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Luminous Intensity Data

Maximum (cd) : 35

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	35.41	34.77	35.09	34.61	34.41	34.5	35.41	34.77	35.09	34.61	34.41	34.5	35.41
10	34.62	34.44	34.17	33.91	34.21	34.29	34.25	34.68	34.21	34.39	34.13	34.3	34.62
20	32.12	31.52	31.72	31.68	32.54	32.06	32.32	32.81	32.2	32.7	32.37	32.02	32.12
30	29.17	29.01	28.66	28.35	28.95	29.09	30.03	30.12	29.7	29.25	29.19	29.22	29.17
40	25.87	25.96	24.37	24.37	24.77	25.96	26.59	26.14	25.15	25.6	25.2	25.96	25.87
50	21.73	20.38	19.86	19.37	20.25	21.79	22.54	22.48	21.09	19.96	21.02	21.01	21.73
60	15.9	14.93	14.62	14.1	15.23	17.07	18.57	17.56	16.55	15.39	15.51	17.21	15.9
70	11.27	10.68	8.67	8.18	10.42	11.37	12.49	12.74	10.7	9.45	10.88	11.4	11.27
80	5.95	5.64	4.65	3.22	4.93	6.7	9.16	8.12	5.37	3.73	5.12	6.89	5.95
90	3.93	3.34	2.23	0.44	2.55	4.13	5.29	4	2.11	0.8	1.52	2.85	3.93
100	3.57	2.82	1.74	-0.33	2.04	4.18	4.95	3.85	2.01	0.34	1.46	2.61	3.57
110	3.27	3.06	1.9	0.77	1.77	3.81	4.52	3.26	2.38	-0.21	1.64	2.89	3.27
120	1.34	2	-0.22	0.17	0.04	3.17	2.34	3.92	0.63	0.48	-0.04	3.02	1.34
130	0.38	0.33	1	0.21	0.93	0.1	-0.22	0.73	0.86	0.26	-0.23	1.12	0.38

Luminaire KH FEELUX

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Total flux (lm) 113

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Luminous Flux Table

Total Lamp Lumens: 113.10

Luminaire Efficiency (lm/W): 44.41

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.83	0.83	0.74	0.74
10	6.52	7.36	6.50	6.50
20	12.05	19.41	17.16	17.16
30	16.01	35.41	31.31	31.31
40	17.95	53.36	47.18	47.18
50	17.58	70.94	62.73	62.73
60	15.23	86.17	76.19	76.19
70	11.00	97.17	85.92	85.92
80	6.24	103.42	91.44	91.44
90	3.03	106.45	94.12	94.12
100	2.63	109.07	96.44	96.44
110	2.49	111.57	98.65	98.65
120	1.33	112.90	99.82	99.82
130	0.20	113.10	100.00	100.00

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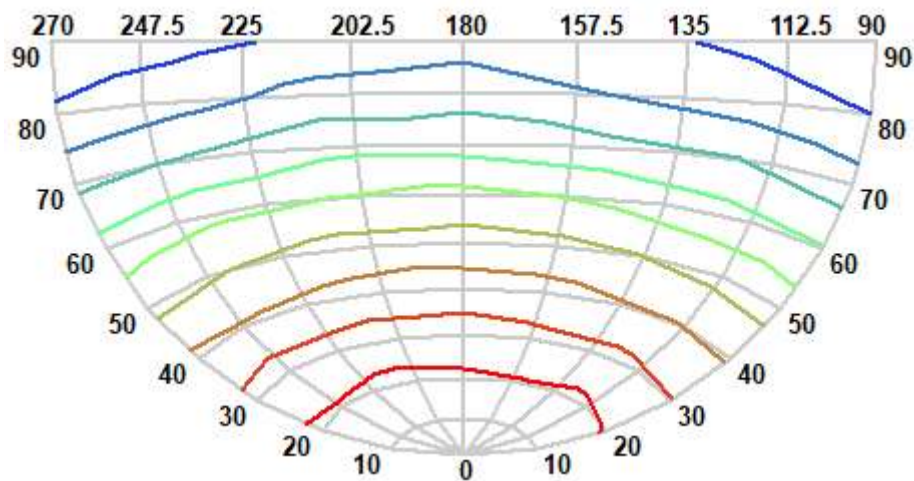
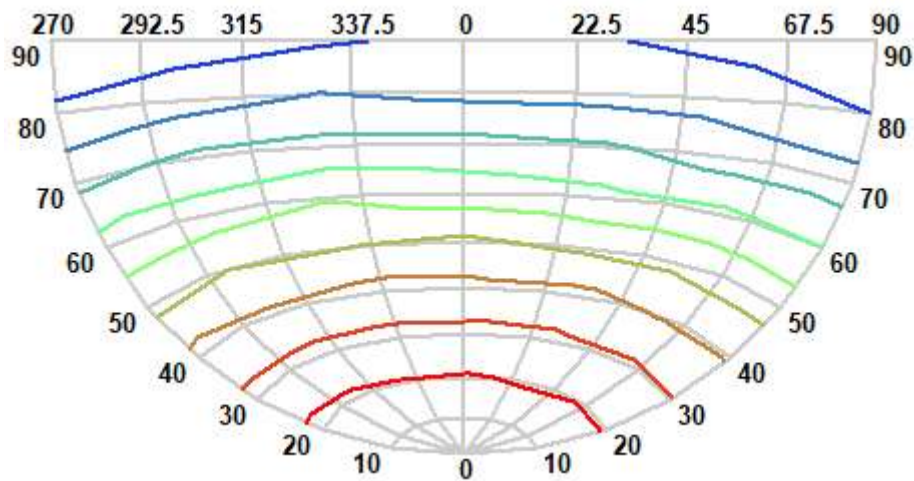
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IsoCandela (Type C)



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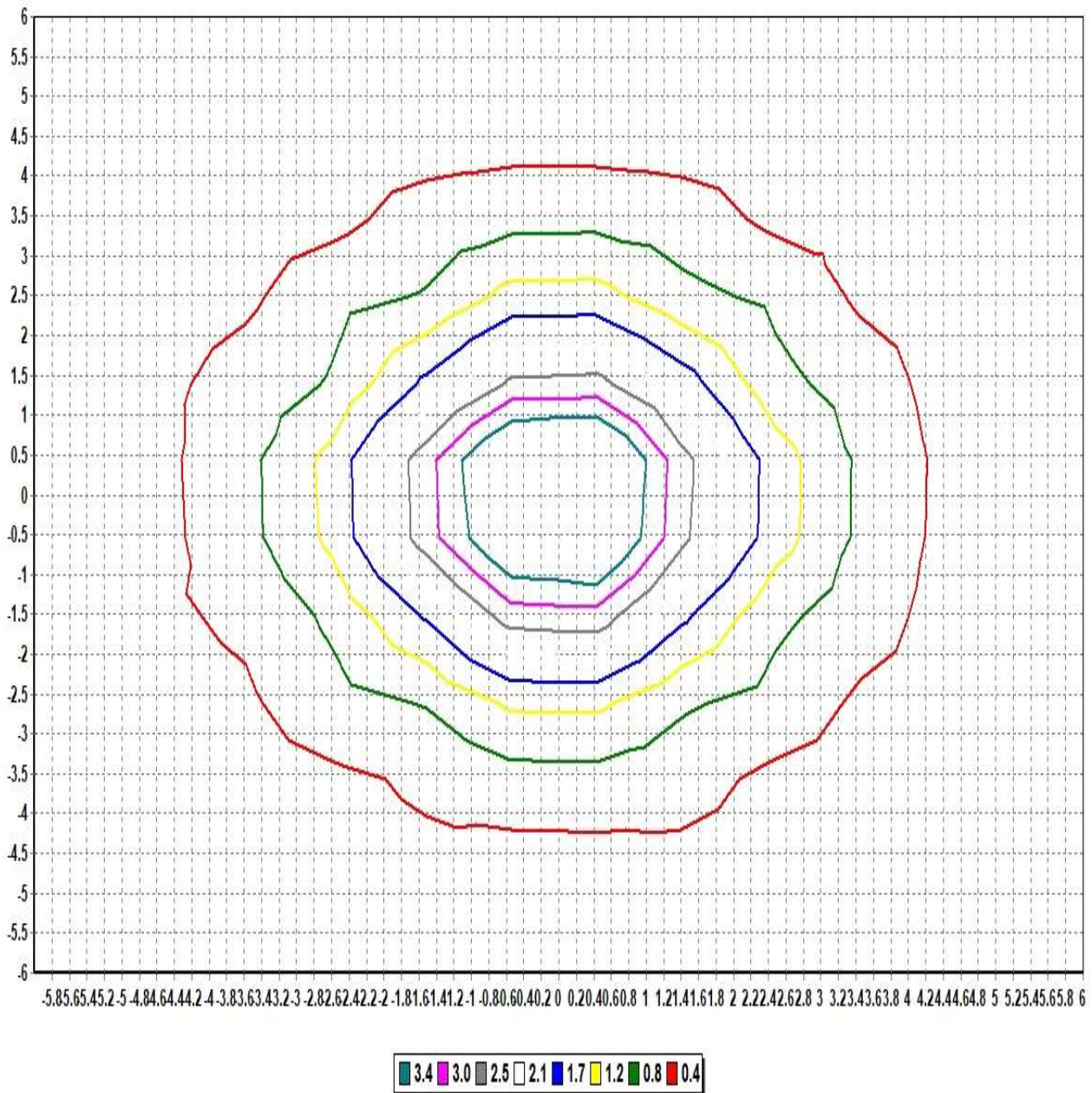
Total flux (lm) 113

Power Factor

0.9Date

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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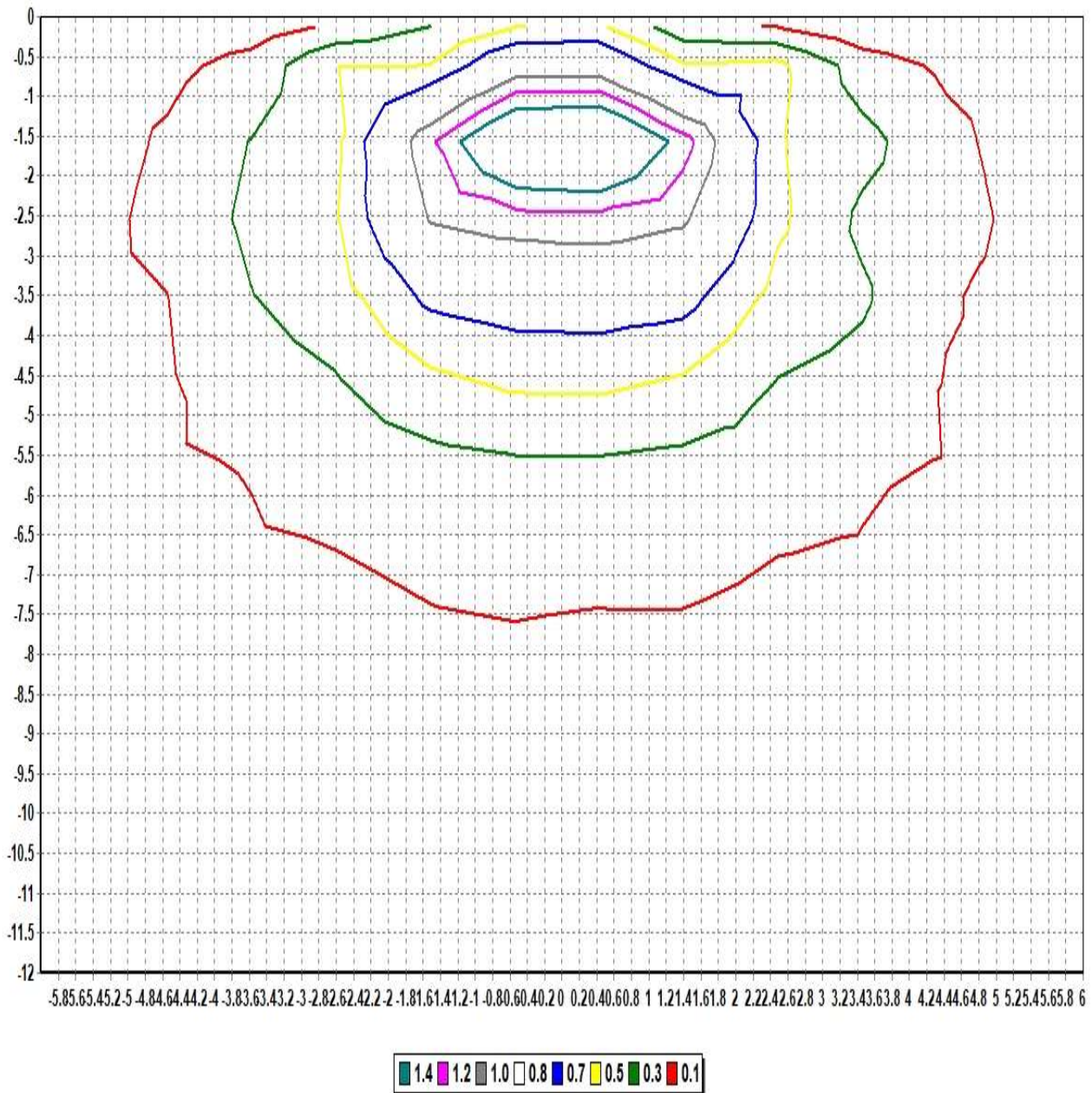
Total flux (lm) 113

Power Factor

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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)	120.31
Lamp flux (lm)	113	Current (A)	0.02161
Total flux (lm)	113	Power Factor	0.9797

Report

220310

Filename NDF3 40K-120V FLICKERFREE 28LM9.jdt

Operator

YKI

Date

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Illuminance Levels (Ground)

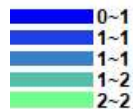
6.00	0.05	0.07	0.05	0.08	0.09	0.10	0.10	0.10	0.09	0.08	0.05	0.07	0.05
5.00	0.08	0.06	0.08	0.11	0.23	0.26	0.27	0.26	0.23	0.12	0.09	0.07	0.07
4.00	0.07	0.10	0.19	0.28	0.30	0.36	0.39	0.36	0.29	0.28	0.20	0.10	0.07
3.00	0.08	0.14	0.30	0.34	0.68	0.76	0.84	0.77	0.68	0.36	0.30	0.14	0.08
2.00	0.10	0.23	0.30	0.72	0.97	1.56	1.83	1.62	1.03	0.72	0.30	0.23	0.10
1.00	0.13	0.30	0.43	0.79	1.57	2.81	3.83	2.83	1.63	0.79	0.41	0.29	0.12
0.00	0.14	0.32	0.48	0.96	1.98	3.87	4.86	3.91	1.92	0.93	0.44	0.31	0.13
-1.00	0.13	0.30	0.43	0.85	1.65	2.92	3.88	2.86	1.59	0.80	0.41	0.29	0.12
-2.00	0.12	0.26	0.34	0.75	1.08	1.64	1.91	1.59	1.01	0.72	0.31	0.24	0.11
-3.00	0.10	0.16	0.32	0.41	0.71	0.83	0.87	0.78	0.70	0.35	0.30	0.14	0.08
-4.00	0.08	0.11	0.22	0.30	0.34	0.39	0.41	0.39	0.31	0.29	0.20	0.10	0.07
-5.00	0.08	0.08	0.10	0.14	0.25	0.27	0.28	0.28	0.23	0.13	0.09	0.07	0.08
-6.00	0.06	0.08	0.07	0.10	0.11	0.11	0.11	0.12	0.10	0.08	0.06	0.07	0.05
-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.) : 4.8578

Illum. (Min.) : 0.0513

Illum. (Avg.) : 0.5669

All illuminance level values are in lux.



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Lamp

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Current (A)

0.02Operator

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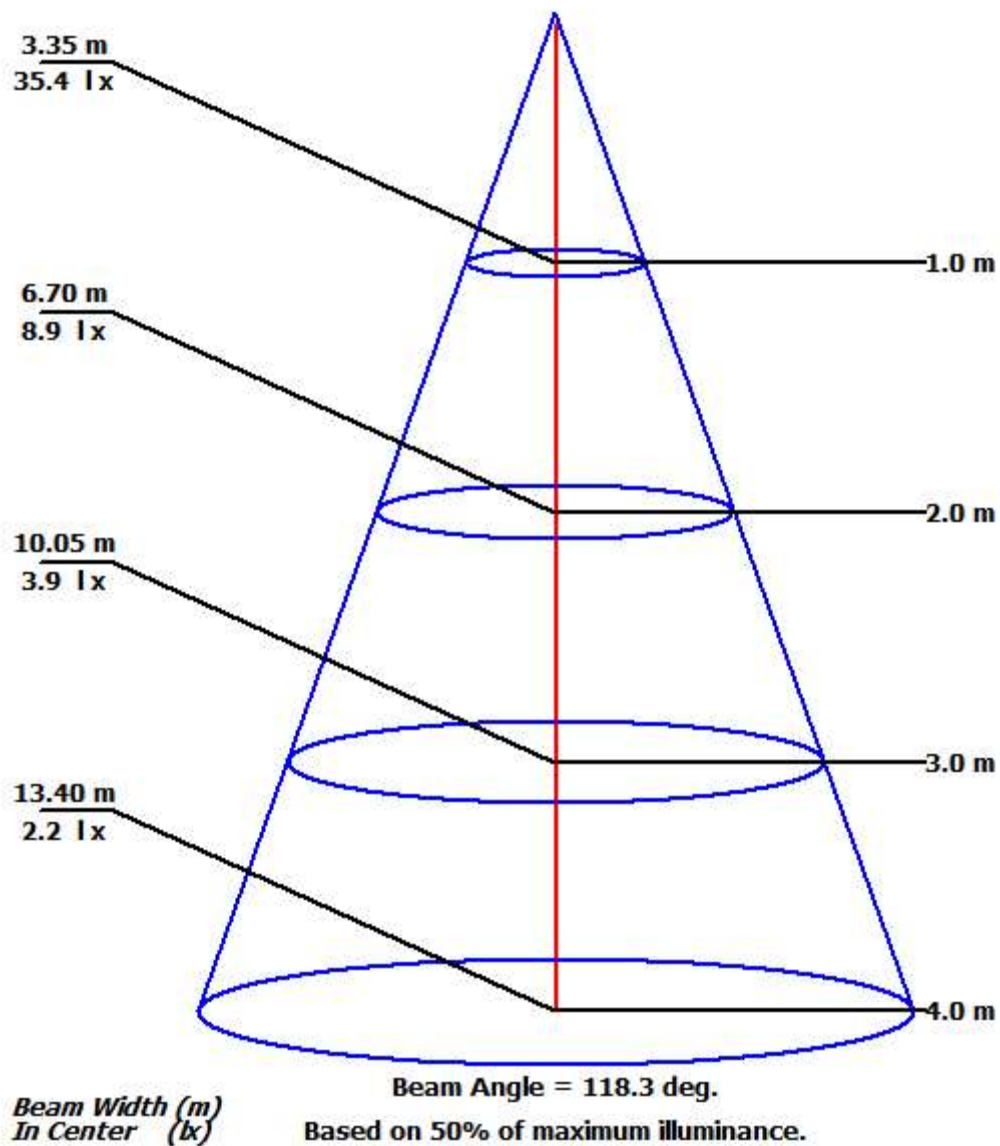
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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No. of lamps 1 Voltage (V) 120.31

Filename NDF3 40K-120V FLICKERFREE 28LM9.jdt

Lamp flux (lm) 113 Current (A) 0.02161

Operator YKI

Total flux (lm) 113 Power Factor 0.9797

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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