

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 : 220311

2. Purpose of Report :**3. Number of Report :** 220311**4. Test Standard / Item :** / NDF10 30K-120V FLICKERFREE 28LM9**5. Test Period :** 220311 ~ 220311**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
220311			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	22.9	
CIE 1931 Cx, Cy		0.4348 , 0.3945	
Correlated Color Temperature	K	2958	
Ra		93.83	
Power Factor		0.975	
Input Voltage	V	120.23	
Input Current	A	0.085	
Input Watt	W	9.986	
Lamp Flux	lm	716.9	
Efficient	lm/W	71.79	
luminous Intensity (Max , Center)	cd	228 , 228	
Illuminance	lx	228	1 m
		57	2 m
		25	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

220311

No. of lamps 1

Voltage (V)

1Filename NDF10 30K-120V FLICKERFREE 28LM9.jdt

Lamp flux (lm) 717

Current (A)

0.(Operator

YKI

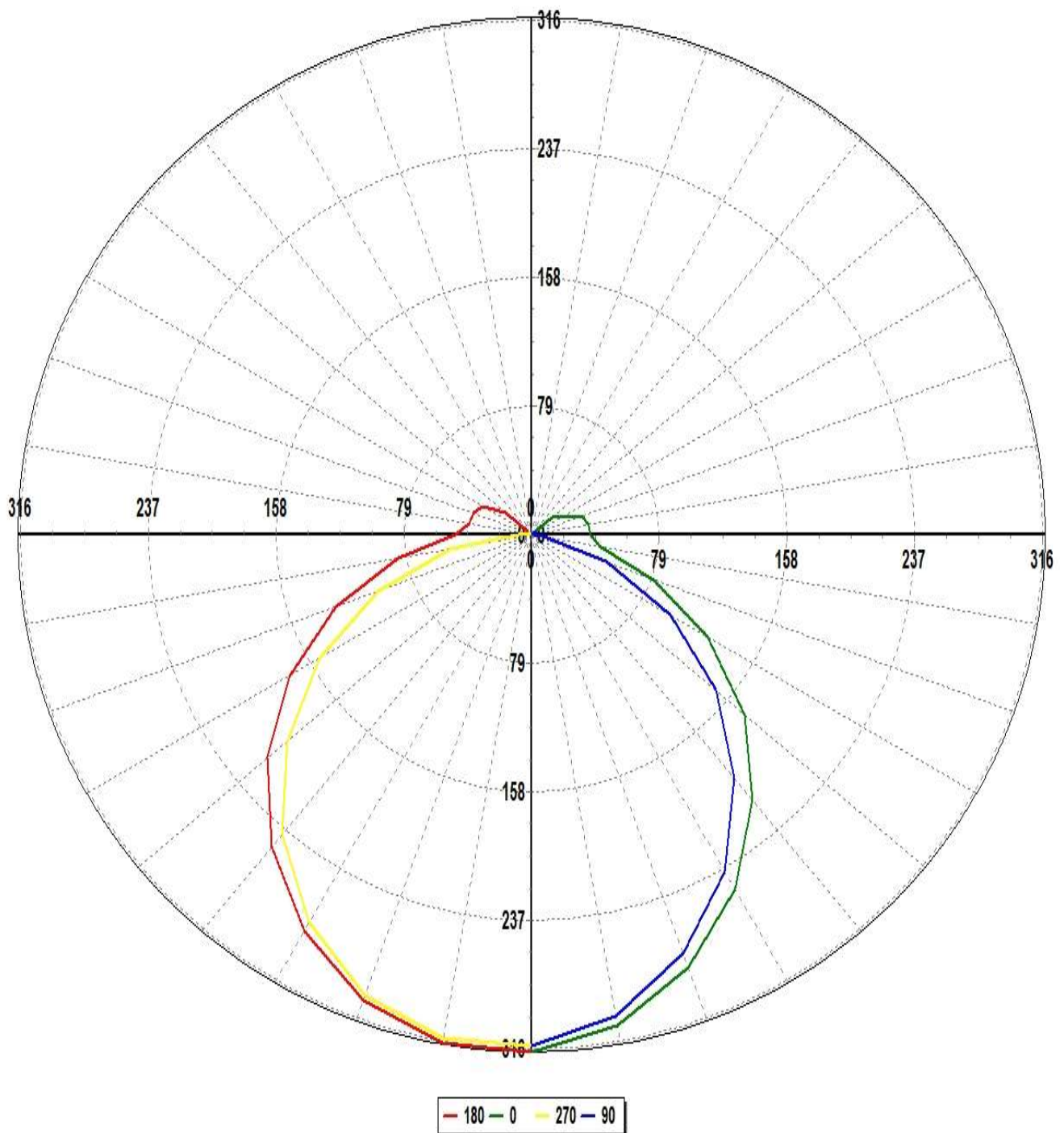
Total flux (lm) 717

Power Factor

0Date5

2022-03-11 오전 9:50:44

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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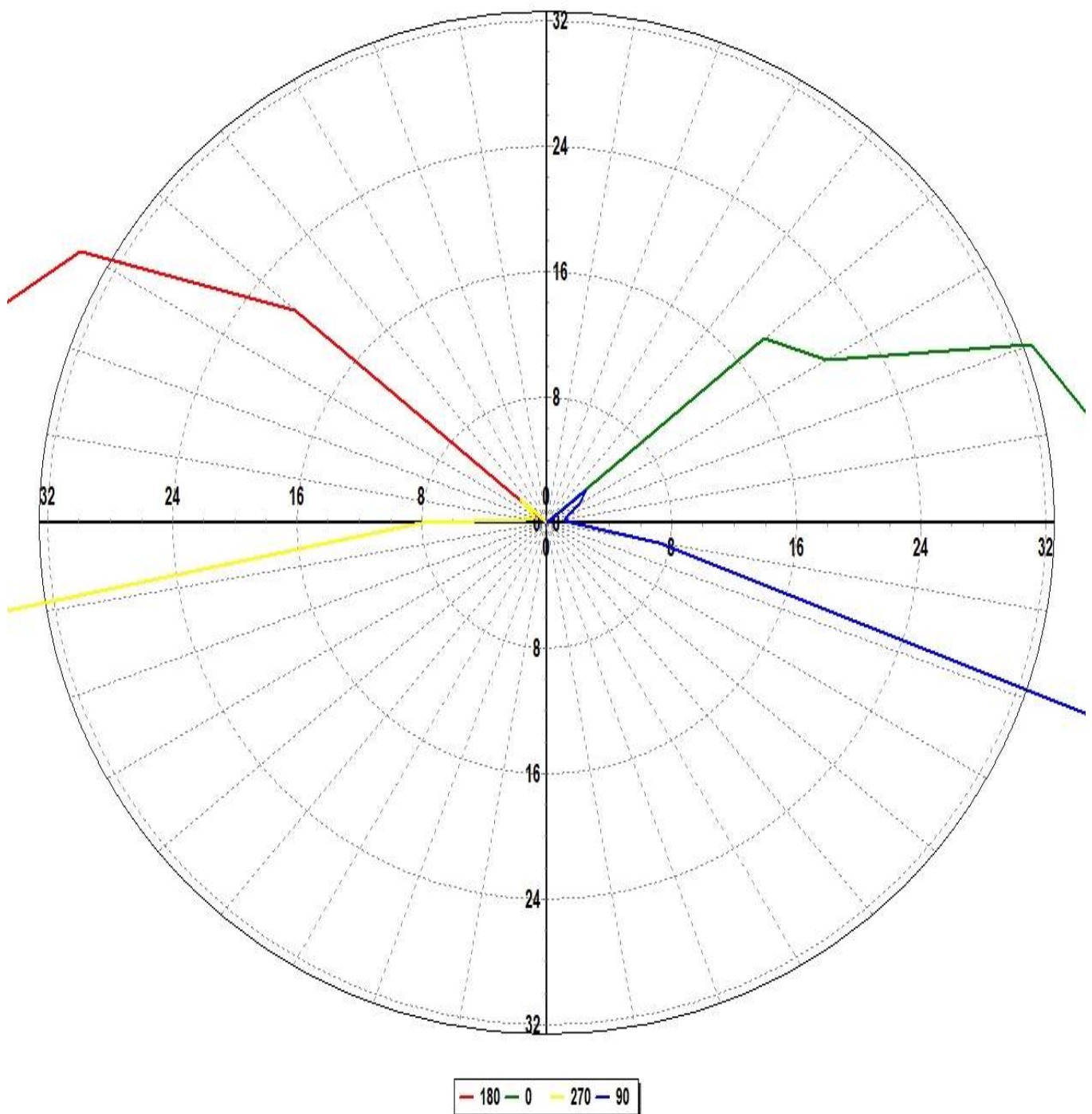
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Power Factor

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Luminous Intensity Data

Maximum (cd) : 228

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	227.73	226.22	225.8	225.07	224.52	224.49	227.73	226.22	225.8	225.07	224.52
10	219.52	217.98	216.53	214.92	215.81	216.36	226.89	226.21	226.15	225.05	225.52
20	202.69	200.94	199.02	196.42	197.38	199.33	218.26	217.91	216.07	215.63	216.21
30	180.47	177.43	174.72	171.41	173.68	176.57	201.27	201.02	198.55	197.03	198.39
40	152.18	150.06	144.92	139.9	145.13	148.64	179.07	177.9	174.24	171.99	174.35
50	123.44	119.18	113.34	106.77	113.35	119.39	152.89	151.07	144.79	141.39	144.27
60	90.06	86.91	79.19	70.9	80.04	87.89	123.78	120.97	113.82	108.55	112.98
70	57.82	53.47	45.18	35.24	46.52	55.02	92.29	89.05	79.62	72.39	79.52
80	31.32	25.97	16.57	5.23	16.97	29	60.18	55.84	45.29	36.17	44.07
90	26.28	21.6	11.17	1.15	12.32	24.23	33.74	28.55	17.06	5.71	16.4
100	25.65	21.42	11.53	0.85	12.52	22.62	28.08	23.32	12.34	0.99	12.09
110	23.71	19.53	6.14	1.06	7.74	20.49	27.44	23.1	11.34	0.69	11.25
120	14.87	9.97	1.75	1.75	2.18	8.93	24.77	20.66	6.19	0.62	5.73
130	13.06	1.57	4.77	2.35	5.47	1.87	15.1	10.34	1.28	1.61	1.94

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YKI

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Luminous Intensity Data (Continued)

Maximum (cd) : 228

Minimum (cd) : 1

G/C	330	360
0	224.49	227.73
10	224.98	219.52
20	217.09	202.69
30	200.12	180.47
40	176.48	152.18
50	149.32	123.44
60	119.19	90.06
70	87.35	57.82
80	54.82	31.32
90	26.7	26.28
100	21.76	25.65
110	21.01	23.71
120	19.01	14.87
130	9.91	13.06

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Luminous Flux Table

Total Lamp Lumens: 716.88

Luminaire Efficiency (lm/W): 71.79

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.39	5.39	0.75	0.75
10	42.09	47.49	6.62	6.62
20	77.94	125.43	17.50	17.50
30	102.71	228.14	31.82	31.82
40	113.51	341.65	47.66	47.66
50	110.41	452.06	63.06	63.06
60	94.40	546.46	76.23	76.23
70	68.05	614.52	85.72	85.72
80	37.88	652.40	91.00	91.01
90	20.53	672.92	93.87	93.87
100	17.36	690.29	96.29	96.29
110	14.88	705.17	98.36	98.37
120	9.20	714.37	99.65	99.65
130	2.51	716.88	100.00	100.00

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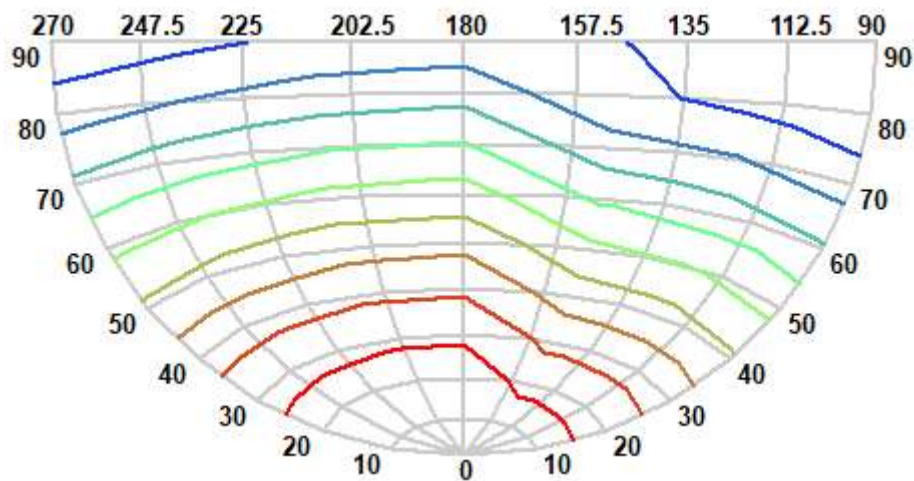
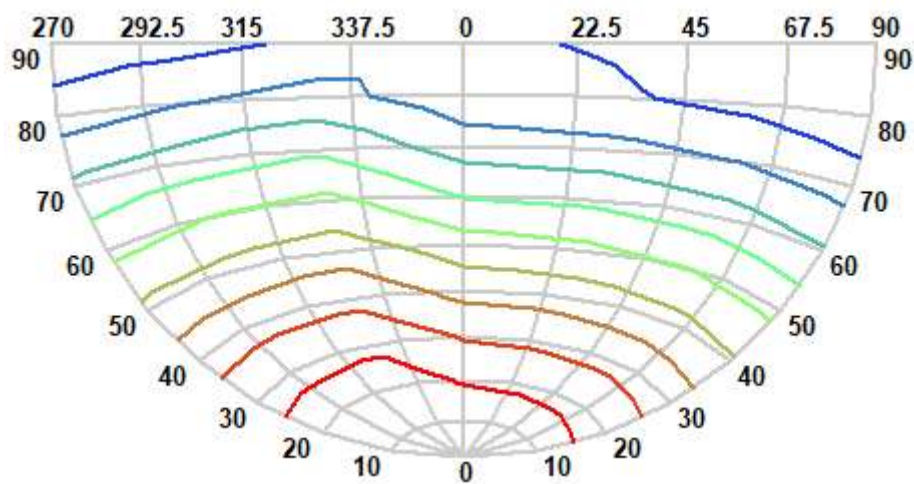
Total flux (lm) 717

Power Factor

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IsoCandela (Type C)



	1 ~ 23
	23 ~ 46
	46 ~ 69
	69 ~ 91
	91 ~ 114

	114 ~ 137
	137 ~ 160
	160 ~ 182
	182 ~ 205
	205 ~ 228

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Current (A)

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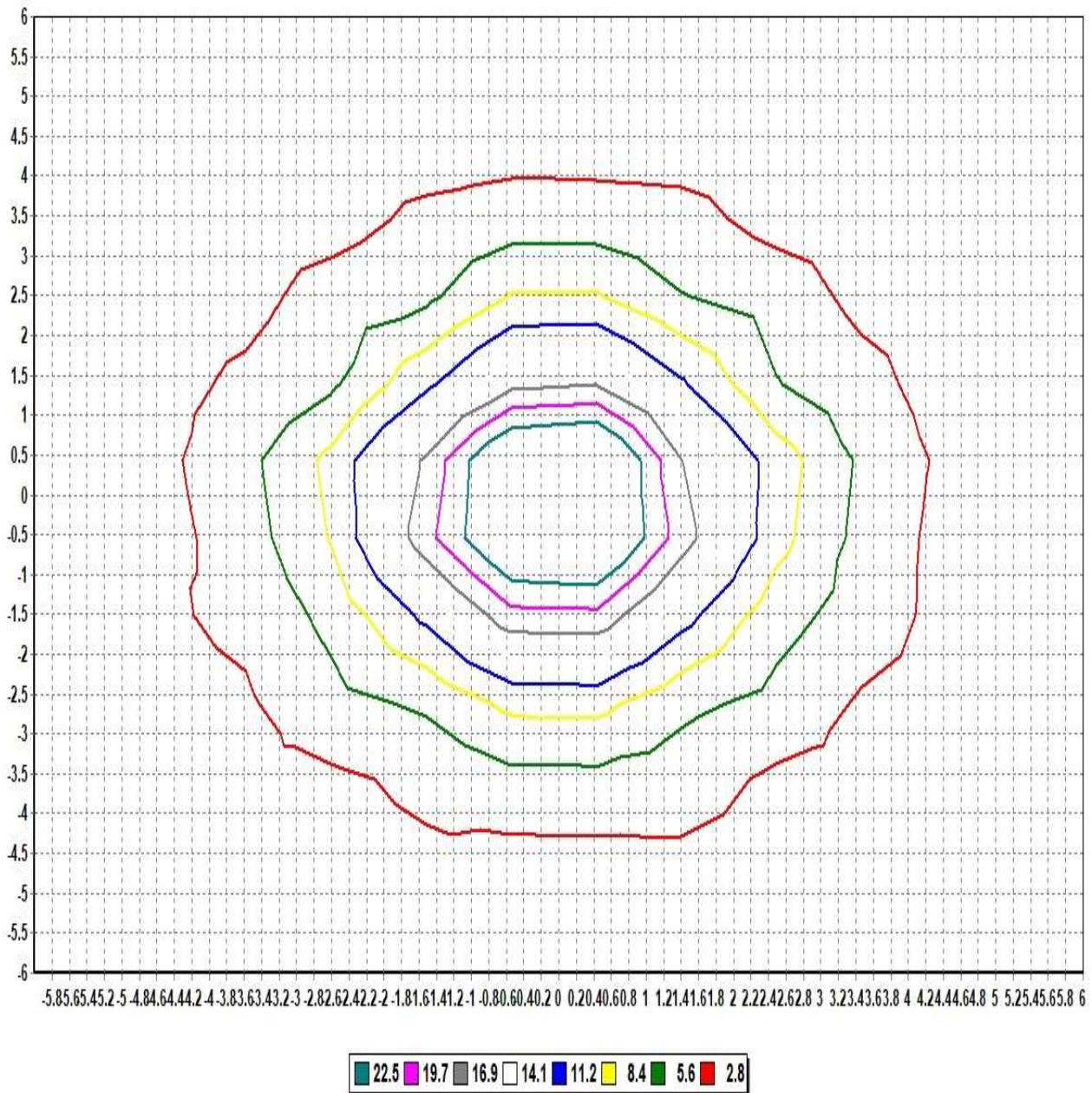
Total flux (lm) 717

Power Factor

0Date5

2022-03-11 오전 9:50:44

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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Voltage (V)

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Lamp flux (lm) 717

Current (A)

0.(Operator

YKI

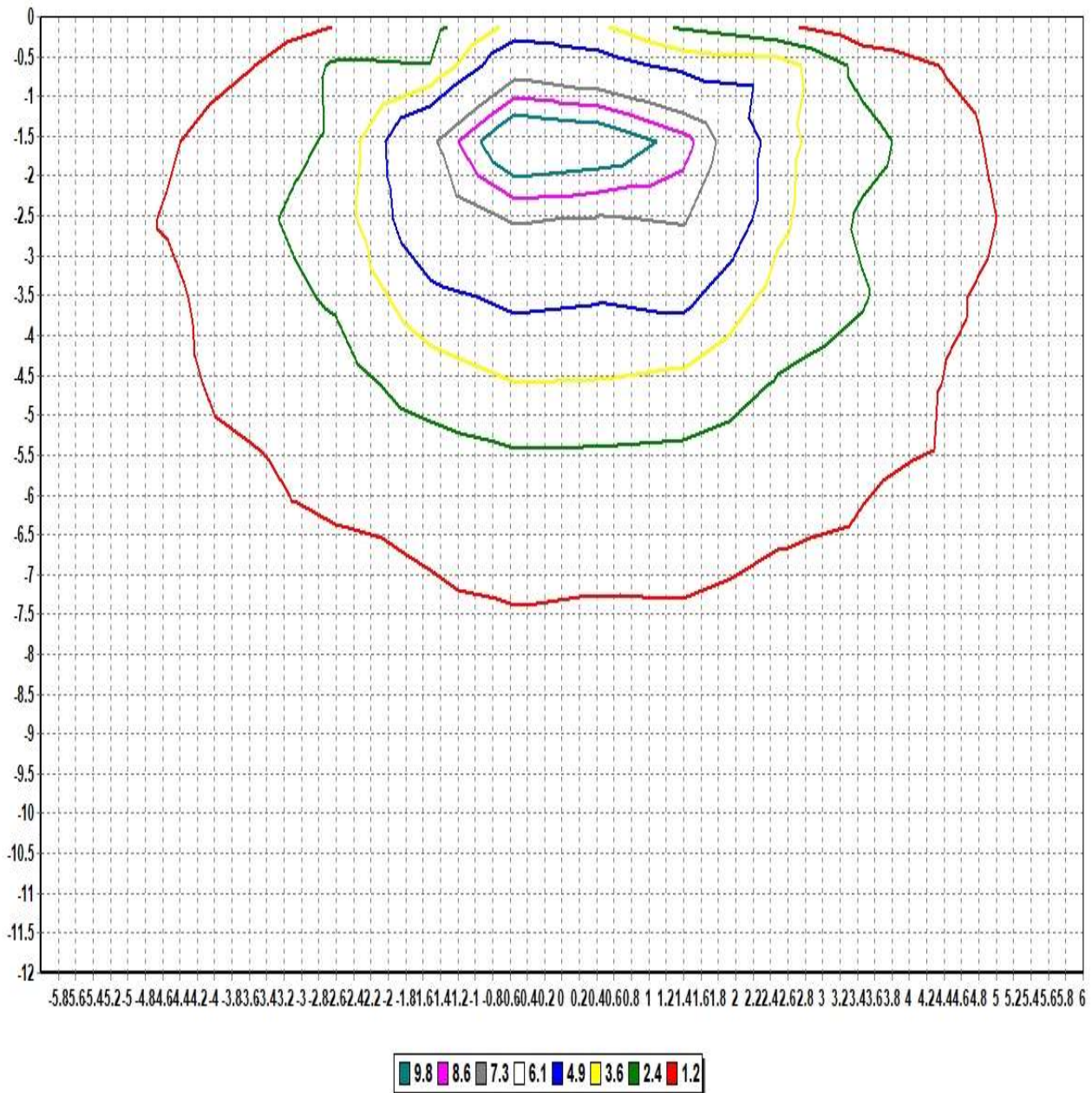
Total flux (lm) 717

Power Factor

0Date5

2022-03-11 오전 9:50:44

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)	120.23
Lamp flux (lm)	717	Current (A)	0.08523
Total flux (lm)	717	Power Factor	0.9745

Report	220311
Filename	NDF10 30K-120V FLICKERFREE 28LM9.jdt
Operator	YKI
Date	2022-03-11 오전 9:50:44

Illuminance Levels (Ground)

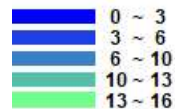
6.00	0.26	0.34	0.23	0.37	0.44	0.51	0.48	0.48	0.50	0.42	0.28	0.38	0.31
5.00	0.39	0.27	0.39	0.54	1.24	1.46	1.49	1.43	1.32	0.63	0.46	0.36	0.41
4.00	0.33	0.50	1.04	1.51	1.57	1.95	2.05	1.94	1.70	1.61	1.17	0.53	0.35
3.00	0.39	0.72	1.66	1.78	3.84	4.22	4.65	4.45	4.00	2.05	1.72	0.75	0.43
2.00	0.50	1.28	1.60	4.10	5.51	9.12	10.74	9.43	5.97	4.22	1.72	1.35	0.54
1.00	0.85	1.88	2.63	4.40	9.19	17.00	24.24	17.58	9.48	4.59	2.61	1.87	0.83
0.00	1.00	2.18	3.25	6.49	13.29	25.63	31.24	24.77	11.53	5.30	2.49	1.74	0.68
-1.00	0.73	1.77	2.58	5.75	11.21	19.56	25.42	19.26	11.00	5.54	2.57	1.78	0.73
-2.00	0.83	1.75	2.36	5.04	7.30	11.18	12.86	10.97	6.95	4.95	2.22	1.67	0.77
-3.00	0.68	1.09	2.17	2.75	4.89	5.63	6.06	5.43	4.80	2.52	2.11	1.04	0.62
-4.00	0.55	0.81	1.52	2.08	2.34	2.74	2.92	2.74	2.20	2.01	1.41	0.76	0.52
-5.00	0.57	0.58	0.74	0.98	1.72	1.91	2.00	1.92	1.64	0.92	0.68	0.49	0.55
-6.00	0.44	0.54	0.49	0.67	0.79	0.81	0.83	0.83	0.73	0.61	0.44	0.51	0.39
-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.) : 31.239

Illum. (Min.) : 0.2277

Illum. (Avg.) : 3.5922

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

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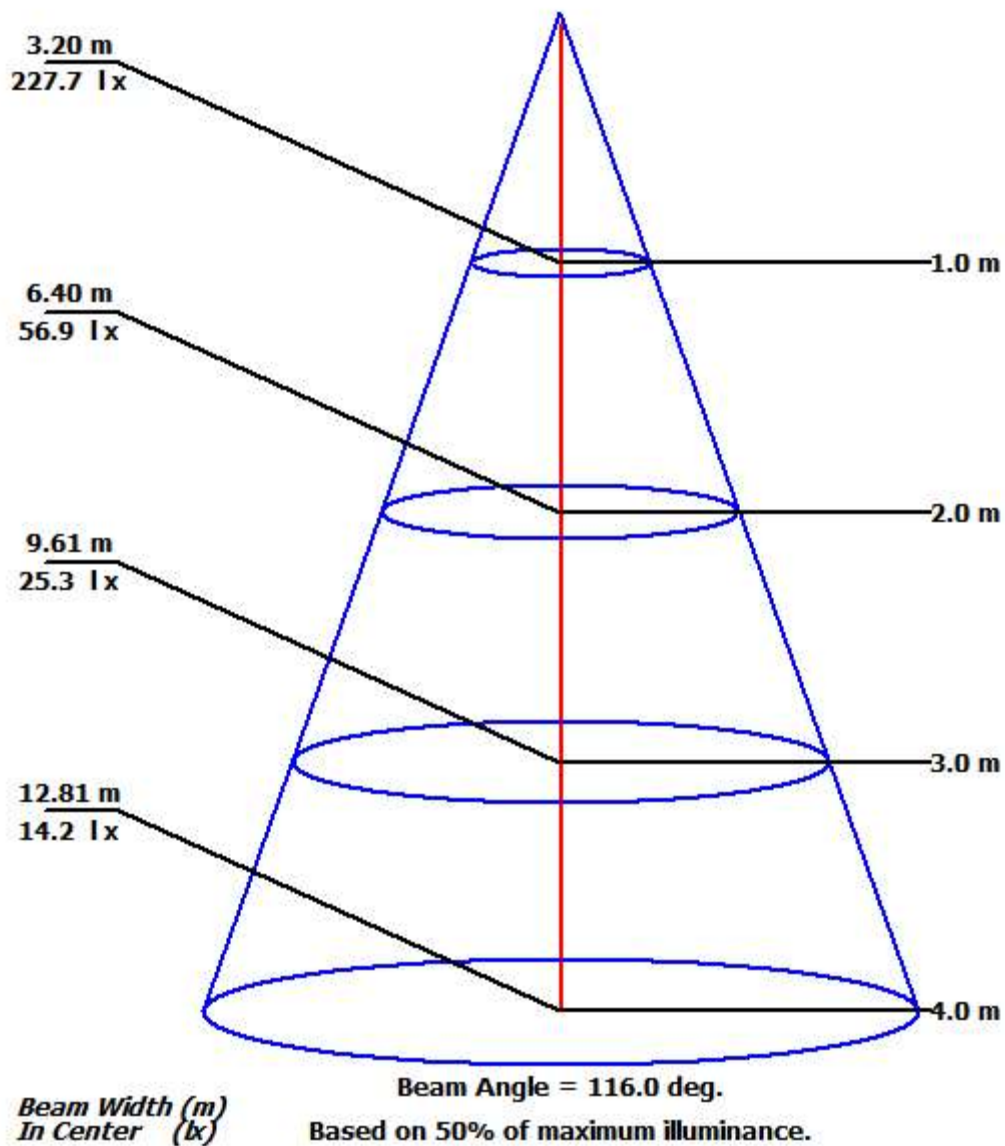
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Power Factor

0Date5

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

220311

No. of lamps 1

Voltage (V) 120.23

Filename NDF10 30K-120V FLICKERFREE 28LM9.jdt

Lamp flux (lm) 717

Current (A) 0.08523

Operator

YKI

Total flux (lm) 717

Power Factor 0.9745

Date

2022-03-11 오전 9:50:44

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