

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 : 220112

2. Purpose of Report :**3. Number of Report :** 220112**4. Test Standard / Item :** / FTS10 30K-24V-C90-1M**5. Test Period :** 220112 ~ 220112**6. Test Environment**

* Ambient Temp. : 23.0 +- 3 °C
* Relative Humidity : 25.0 +- 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
220112			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4327 , 0.3943	
Correlated Color Temperature	K	2993	
Ra		93.41	
Power Factor		1.000	
Input Voltage	V	23.950	
Input Current	A	0.398	
Input Watt	W	9.535	
Lamp Flux	lm	903.6	
Efficient	lm/W	94.77	
luminous Intensity (Max , Center)	cd	326 , 326	
Illuminance	lx	326	1 m
		81	2 m
		36	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

220112

No. of lamps 1

Voltage (V) 23.95

Filename FTS10 30K-24V-C90-1M.jdt

Lamp flux (lm) 904

Current (A) 0.3981

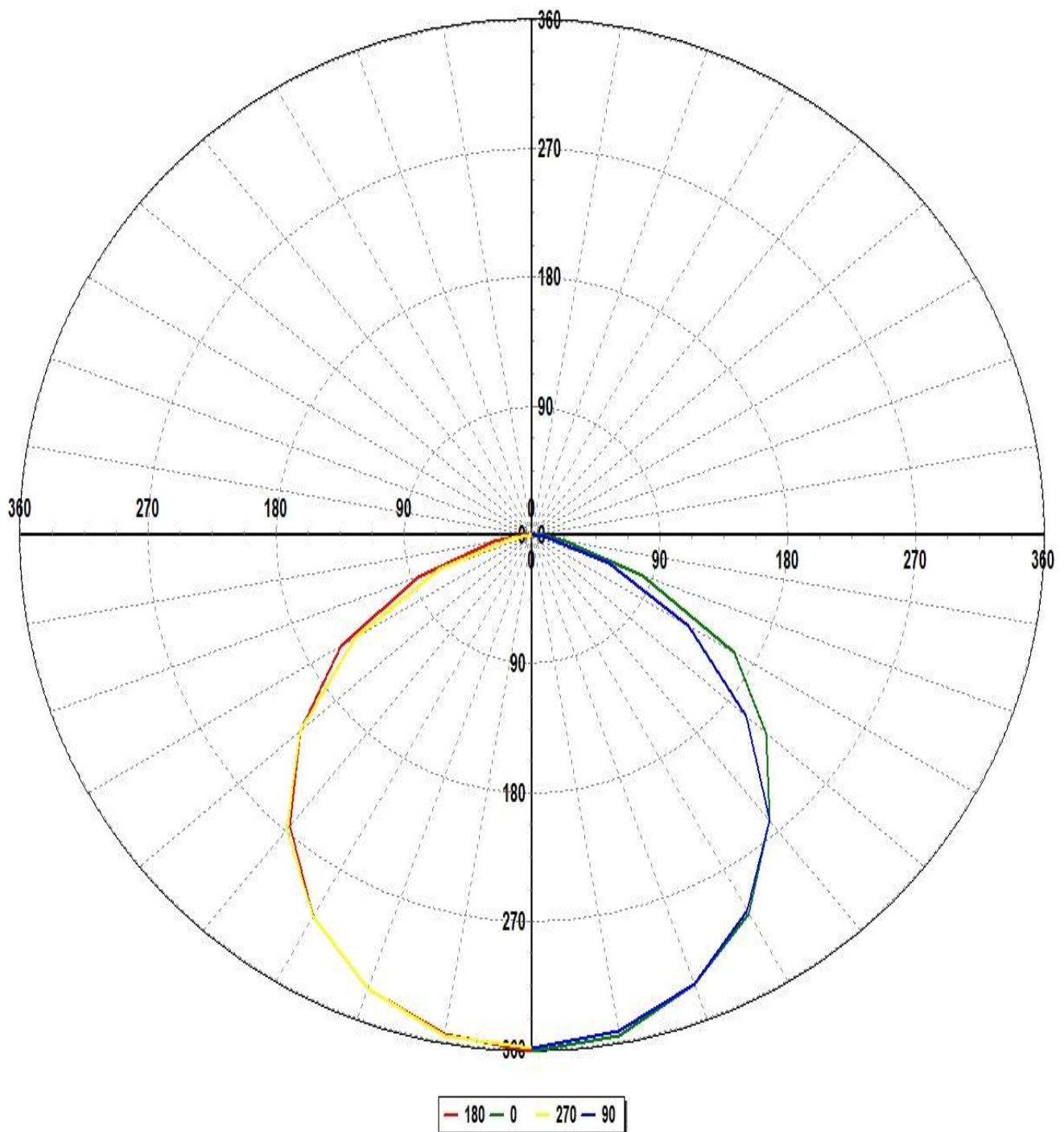
Operator YKI

Total flux (lm) 904

Power Factor 1

Date 2022-01-12 오전 11:25:35

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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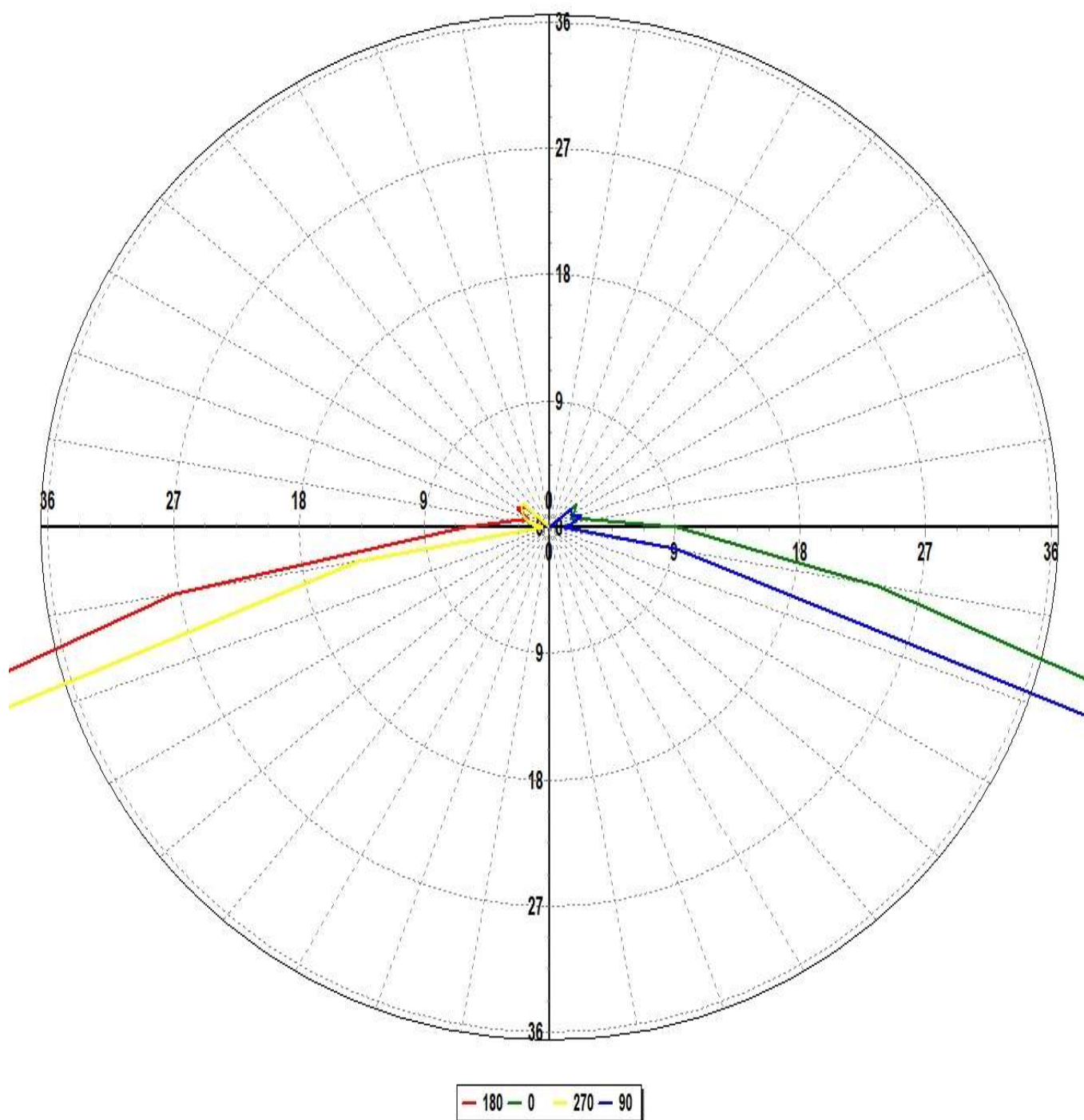
Operator YKI

Total flux (lm) 904

Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



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Power Factor 1

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Luminous Intensity Data

Maximum (cd) : 326

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	325.99	323.93	323.94	324.21	324.57	324.48	325.99	323.93	323.94	324.21	324.57
10	320.69	318.29	318.97	317.88	318.03	317.53	319.9	319.15	320.21	320.75	318.59
20	302.16	301.82	301.79	301.51	302.36	299.72	305.02	305.75	305.81	304.95	305.69
30	276.27	274.57	273.66	274.18	273.51	272.71	278.64	277.54	278.38	278.59	279.39
40	235.25	235.3	235.1	234.89	235.61	232.31	239.54	240.7	242.42	242.57	242.7
50	194.69	194.73	187.92	178.29	186.8	183.98	192.34	193.83	194.4	192.65	195.64
60	148.56	146.11	133.33	114.99	128	133.36	140.59	141.13	137.95	130.42	142.76
70	74.97	77.77	72.7	52.02	68.9	70.38	77.18	80.46	76.98	63.38	83.16
80	21.63	22.34	24.49	8.34	21.6	21.99	24.7	26.86	27.42	12.63	29.47
90	8.3	7.25	4.26	0.97	3.14	4.18	5.46	4.06	2.19	0.44	5.57
100	2.74	1.2	1.73	1.39	0.75	2.34	2.55	2.71	1.18	1.16	2.27
110	1.42	2.01	1.83	2.19	1.97	1.5	1.42	1.97	1.71	1.72	1.5
120	1.83	2.63	1.96	1.6	1.9	1.37	2.44	1.74	1.89	2.11	1.64
130	2.29	2.49	2.13	1.86	2.19	1.91	2.02	1.88	2	2.28	2.29

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Luminous Intensity Data (Continued)

Maximum (cd) : 326

Minimum (cd) : 0

G/C	330	360
0	324.48	325.99
10	319.86	320.69
20	304.11	302.16
30	278.38	276.27
40	242.06	235.25
50	199.34	194.69
60	151.61	148.56
70	88.44	74.97
80	28.92	21.63
90	8.49	8.3
100	2.47	2.74
110	1.55	1.42
120	1.35	1.83
130	1.43	2.29

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Luminous Flux Table

Total Lamp Lumens: 903.62

Luminaire Efficiency (lm/W): 94.77

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.76	7.76	0.86	0.86
10	60.70	68.46	7.58	7.58
20	113.65	182.11	20.15	20.15
30	151.32	333.42	36.90	36.90
40	167.70	501.12	55.46	55.46
50	160.43	661.55	73.21	73.21
60	130.32	791.87	87.64	87.63
70	76.02	867.89	96.05	96.05
80	24.30	892.19	98.74	98.73
90	4.96	897.15	99.29	99.28
100	2.02	899.17	99.51	99.51
110	1.78	900.95	99.71	99.70
120	1.78	902.72	99.90	99.90
130	0.90	903.62	100.00	100.00

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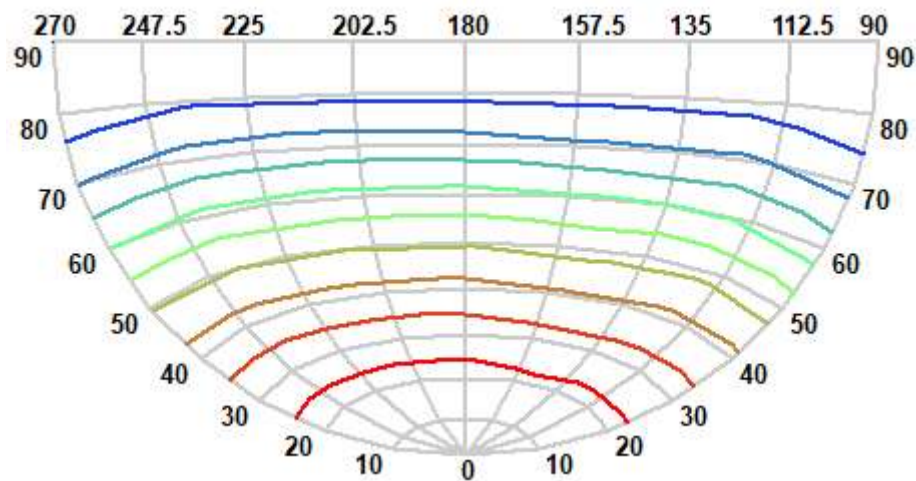
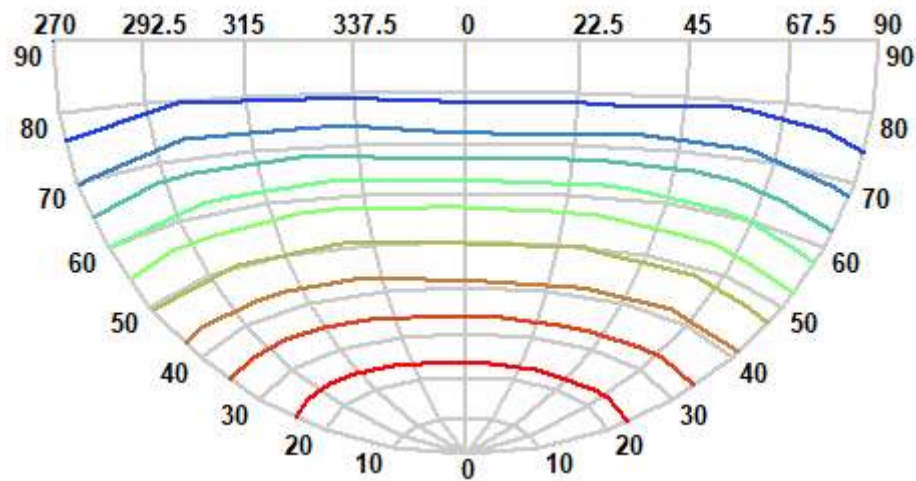
Operator YKI

Total flux (lm) 904

Power Factor 1

Date 2022-01-12 오전 11:25:35

IsoCandela (Type C)



0 ~ 33
33 ~ 66
66 ~ 98
98 ~ 131
131 ~ 163

163 ~ 196
196 ~ 228
228 ~ 261
261 ~ 293
293 ~ 326

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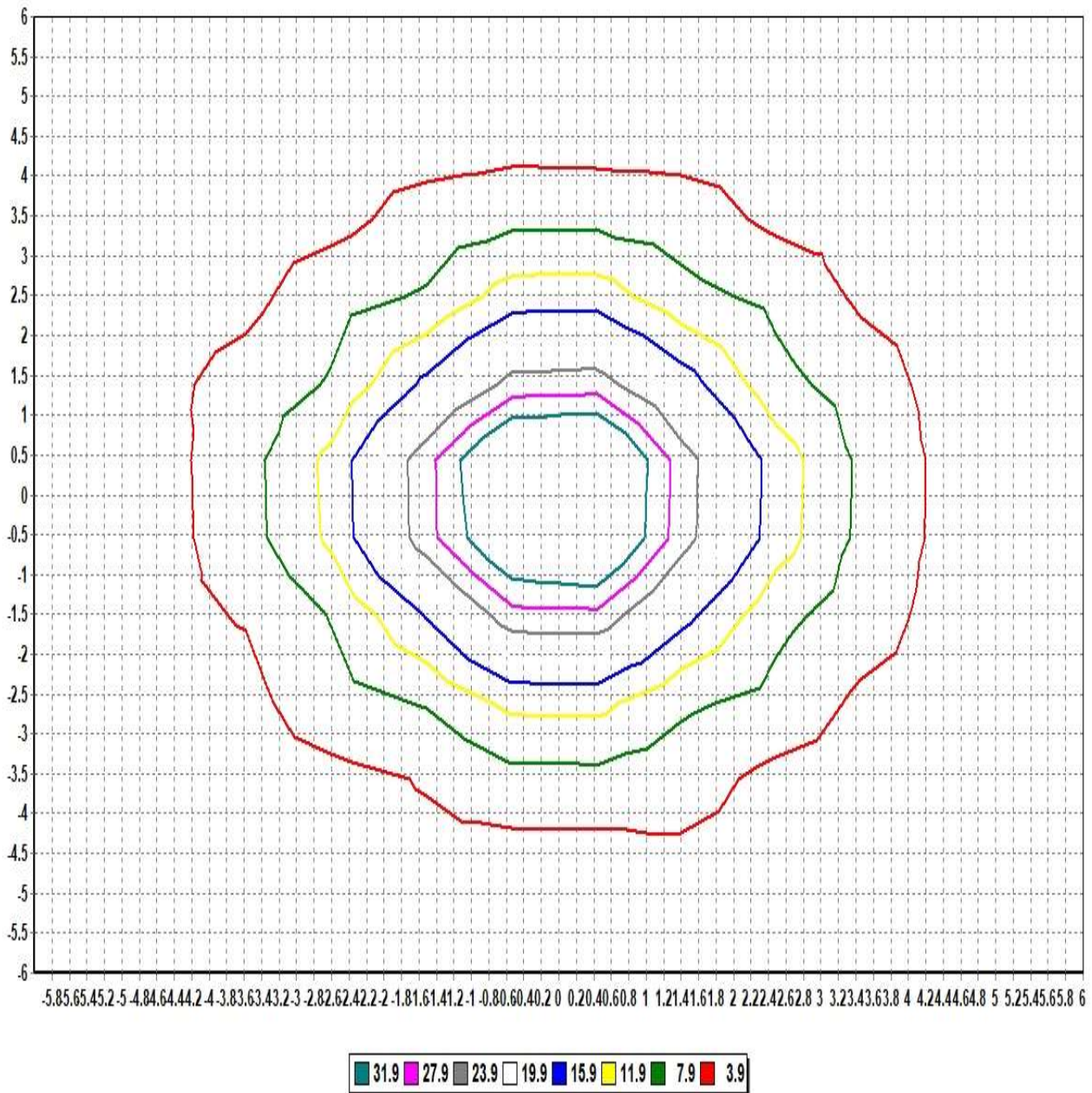
Operator YKI

Total flux (lm) 904

Power Factor 1

Date 2022-01-12 오전 11:25:35

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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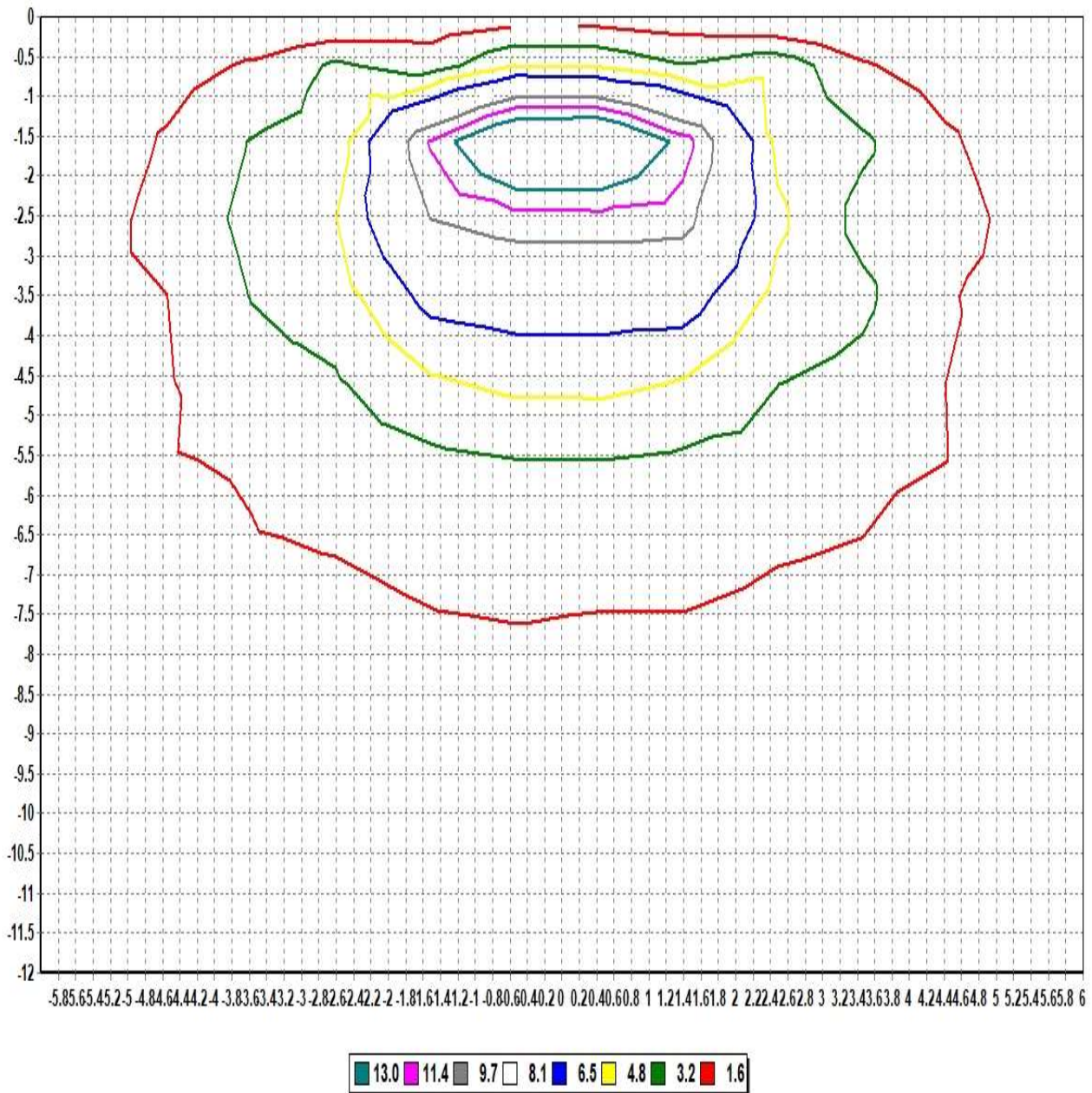
Operator YKI

Total flux (lm) 904

Power Factor 1

Date 2022-01-12 오전 11:25:35

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)	23.95
Lamp flux (lm)	904	Current (A)	0.3981
Total flux (lm)	904	Power Factor	1

Report	220112
Filename	FTS10 30K-24V-C90-1M.jdt
Operator	YKI
Date	2022-01-12 오전 11:25:35

Illuminance Levels (Ground)

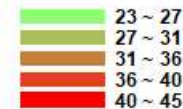
6.00	0.41	0.54	0.34	0.56	0.67	0.83	0.75	0.76	0.80	0.64	0.45	0.63	0.50
5.00	0.60	0.41	0.60	0.84	2.03	2.42	2.47	2.38	2.17	1.04	0.74	0.52	0.67
4.00	0.43	0.71	1.70	2.50	2.52	3.24	3.37	3.22	2.84	2.66	1.90	0.78	0.47
3.00	0.58	1.03	2.59	2.90	6.42	6.99	7.78	7.29	6.51	3.38	2.75	1.13	0.65
2.00	0.73	2.06	2.56	6.42	9.12	14.85	17.69	14.83	9.47	6.57	2.88	2.21	0.82
1.00	0.92	2.51	3.47	7.06	14.83	26.74	35.90	26.86	14.84	7.39	3.73	2.64	1.01
0.00	0.99	2.71	3.88	8.28	18.01	36.13	44.72	36.21	17.76	8.33	4.01	2.75	1.01
-1.00	0.89	2.48	3.46	7.34	15.16	27.13	36.23	27.19	15.29	7.48	3.72	2.62	0.98
-2.00	0.82	2.17	2.78	6.64	9.50	15.18	18.15	15.29	9.57	6.75	2.83	2.21	0.87
-3.00	0.66	1.10	2.71	3.26	6.71	7.37	8.32	7.39	6.70	3.20	2.80	1.21	0.68
-4.00	0.48	0.77	1.86	2.73	2.78	3.45	3.73	3.46	2.79	2.70	1.85	0.84	0.54
-5.00	0.65	0.53	0.77	1.09	2.17	2.54	2.69	2.55	2.18	0.98	0.71	0.49	0.68
-6.00	0.48	0.64	0.48	0.66	0.81	0.85	0.87	0.89	0.79	0.66	0.41	0.61	0.47
-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.) : 44.717

Illum. (Min.) : 0.3394

Illum. (Avg.) : 5.1685

All illuminance level values are in lux.



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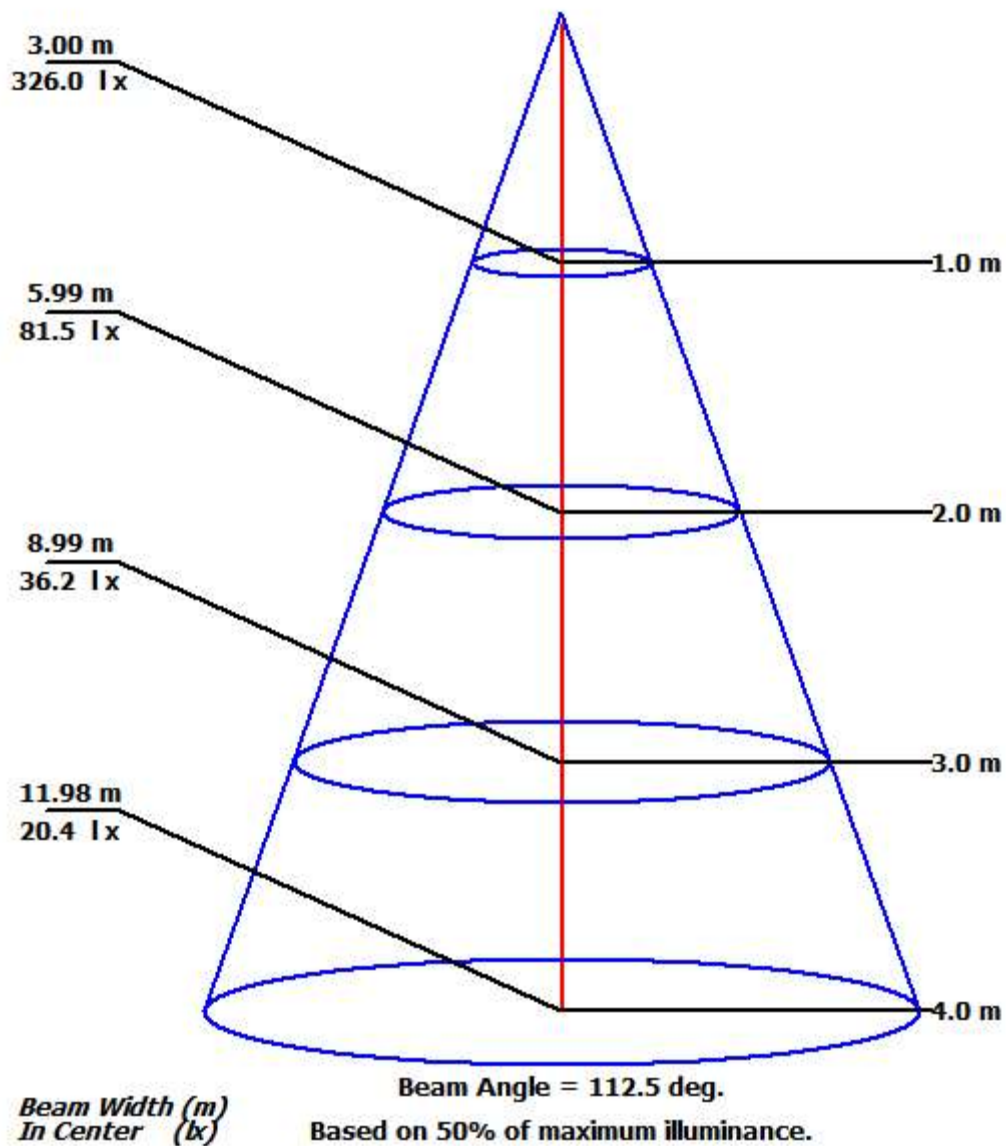
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Power Factor 1

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Illuminance Cone Diagram



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Lamp

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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