

# 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 : 220120

**2. Purpose of Report :****3. Number of Report :** 220120**4. Test Standard / Item :** / FTS10 35K-24V-C90-1M**5. Test Period :** 220120 ~ 220120**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
220120			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4046 , 0.3836	
Correlated Color Temperature	K	3461	
Ra		93.48	
Power Factor		1.000	
Input Voltage	V	23.953	
Input Current	A	0.395	
Input Watt	W	9.45	
Lamp Flux	lm	921.5	
Efficient	lm/W	97.51	
luminous Intensity (Max , Center)	cd	332 , 331	
Illuminance	lx	331	1 m
		83	2 m
		37	3 m

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

\* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

220120

No. of lamps 1

Voltage (V) 23.953

Filename FTS10 35K-24V-C90-1M.jdt

Lamp flux (lm) 922

Current (A) 0.39452

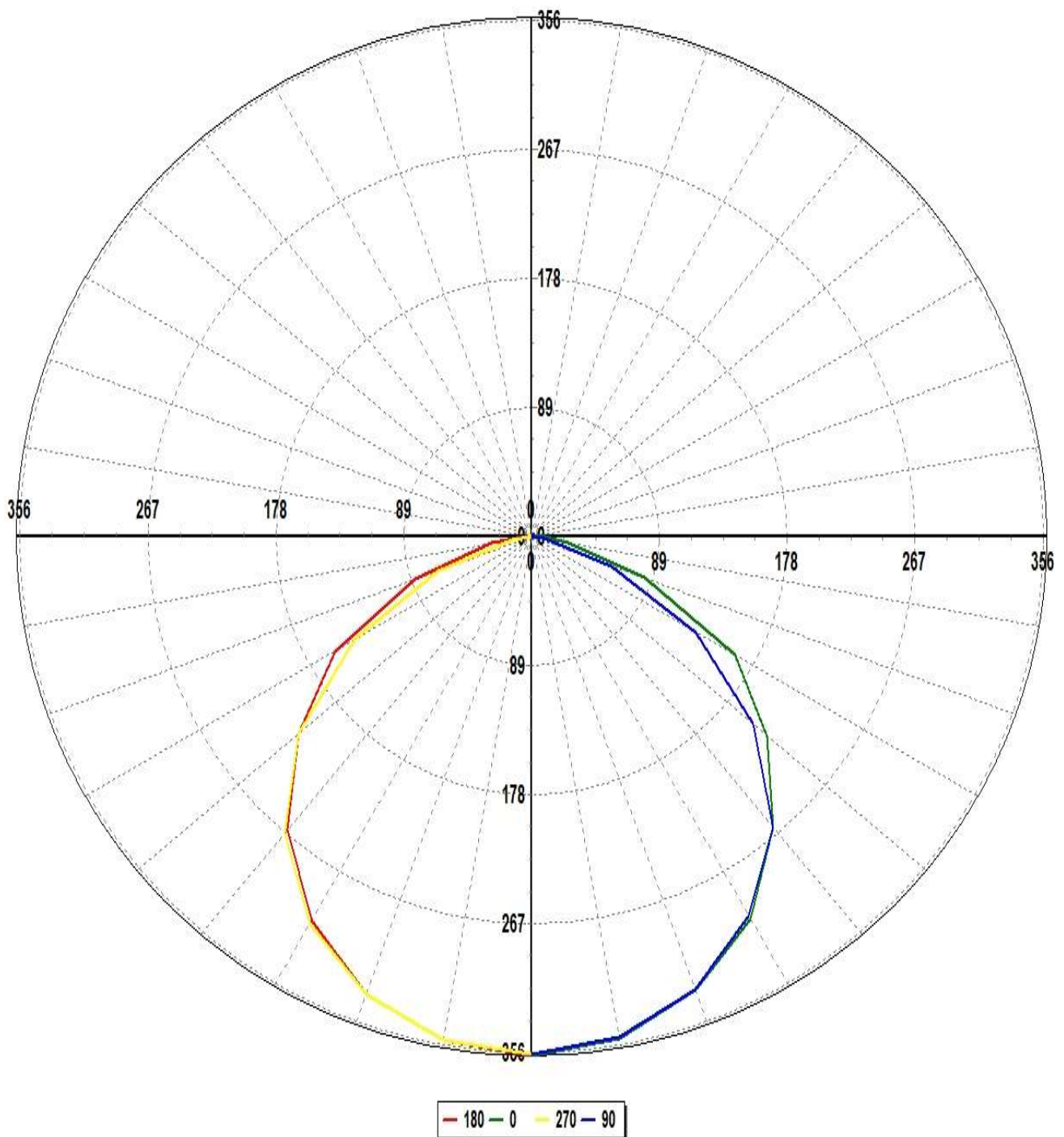
Operator YKI

Total flux (lm) 922

Power Factor 1

Date 2022-01-20 오후 4:26:10

## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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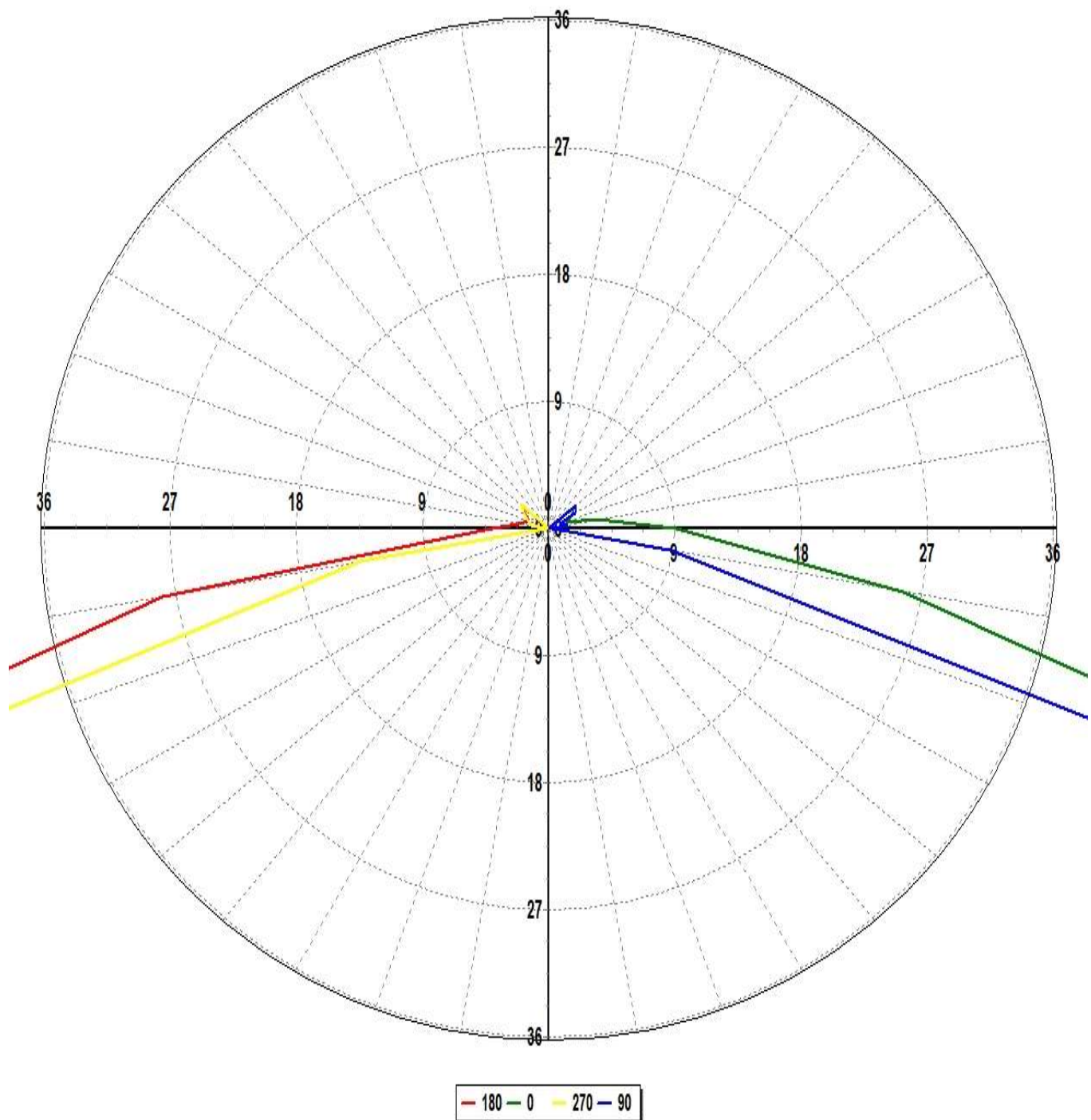
Operator YKI

Total flux (lm) 922

Power Factor 1

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## Luminous Intensity Distribution (Lowest 10%)



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Total flux (lm) 922

Power Factor 1

Date 2022-01-20 오후 4:26:10

## Luminous Intensity Data

Maximum (cd) : 332

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	330.53	332.18	329.49	330	330.8	327.48	330.53	332.18	329.49	330	330.8
10	323.99	325.73	323.96	323.73	324.72	321.95	325.48	325.91	324.69	325.08	325.58
20	307.24	307.42	307.75	307.04	307.39	306.5	309.68	309.51	310.12	309.88	311.95
30	280.96	280.85	279.7	279.19	281.28	277.33	282	283.06	284.75	284.73	284.65
40	241.35	240.11	242	241.25	241.22	238.2	243.63	245.49	246.4	246.44	247.69
50	197.39	194.86	192.84	185.75	192.57	188.69	195.3	197.16	198.91	194.81	199.68
60	150.89	145.5	136.08	121.87	132.94	133.96	145.6	142.9	140.75	130.95	145.08
70	77.2	80.31	75.57	54.71	71.33	72.79	79.42	82.73	79.31	63.81	83.28
80	23.64	23.73	24.68	8.12	22.4	22.78	25.78	26.33	27.09	12.51	30.48
90	8.4	7.91	5.13	0.2	3.49	3.59	3.74	3.3	2.44	0.18	6.01
100	3.22	1.57	1.31	1.28	1.28	0.89	2.02	3.02	1.68	1.12	1.27
110	1.24	1.54	1.47	0.75	1.5	1.31	1.35	2.38	1.08	1.41	1.49
120	1.75	1.38	1.83	2.03	1.75	2.36	1.76	2.23	1.63	1.83	1.26
130	2.19	2.52	1.64	2.36	2.34	2.37	2.18	2.42	1.84	2.46	2.01

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## Luminous Intensity Data (Continued)

Maximum (cd) : 332

Minimum (cd) : 0

G/C	330	360
0	327.48	330.53
10	325.45	323.99
20	308.88	307.24
30	283.94	280.96
40	248.78	241.35
50	201.97	197.39
60	152.98	150.89
70	91.53	77.2
80	29.72	23.64
90	9.2	8.4
100	2.81	3.22
110	1.34	1.24
120	1.54	1.75
130	2.53	2.19

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## Luminous Flux Table

Total Lamp Lumens: 921.48

Luminaire Efficiency (lm/W): 97.51

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.89	7.89	0.86	0.86
10	61.75	69.64	7.56	7.56
20	115.60	185.25	20.10	20.10
30	154.36	339.60	36.85	36.85
40	171.46	511.06	55.46	55.46
50	163.60	674.66	73.21	73.22
60	132.75	807.41	87.62	87.62
70	78.22	885.63	96.11	96.11
80	24.92	910.55	98.81	98.81
90	4.89	915.44	99.34	99.34
100	1.93	917.37	99.55	99.55
110	1.45	918.82	99.71	99.71
120	1.69	920.50	99.89	99.89
130	0.97	921.48	100.00	100.00



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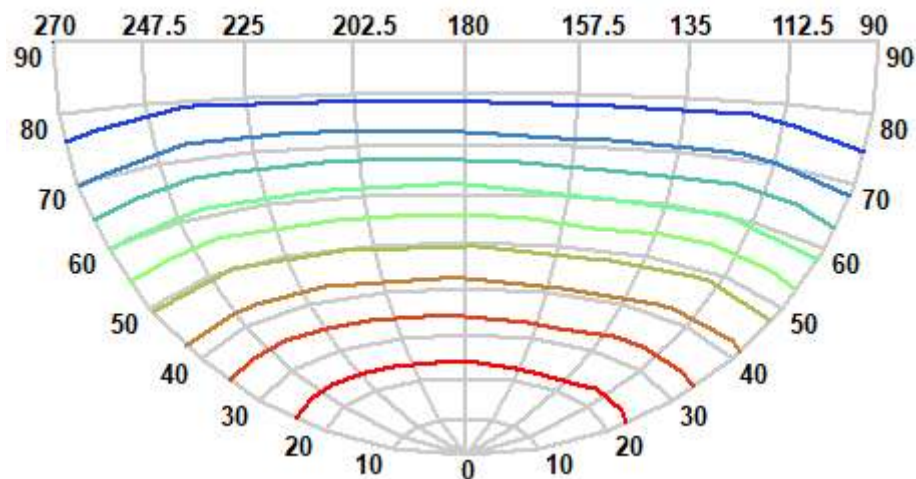
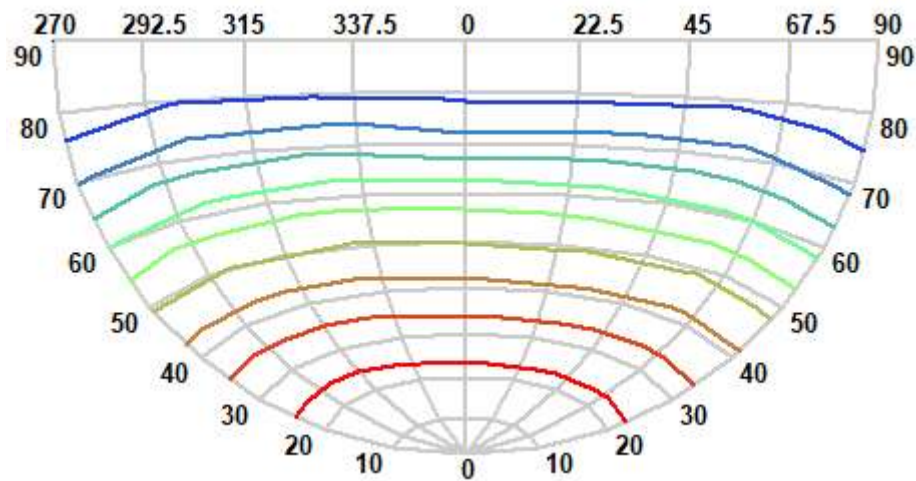
Operator YKI

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Power Factor 1

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## IsoCandela (Type C)



0 ~ 33
33 ~ 67
67 ~ 100
100 ~ 133
133 ~ 166

166 ~ 199
199 ~ 233
233 ~ 266
266 ~ 299
299 ~ 332



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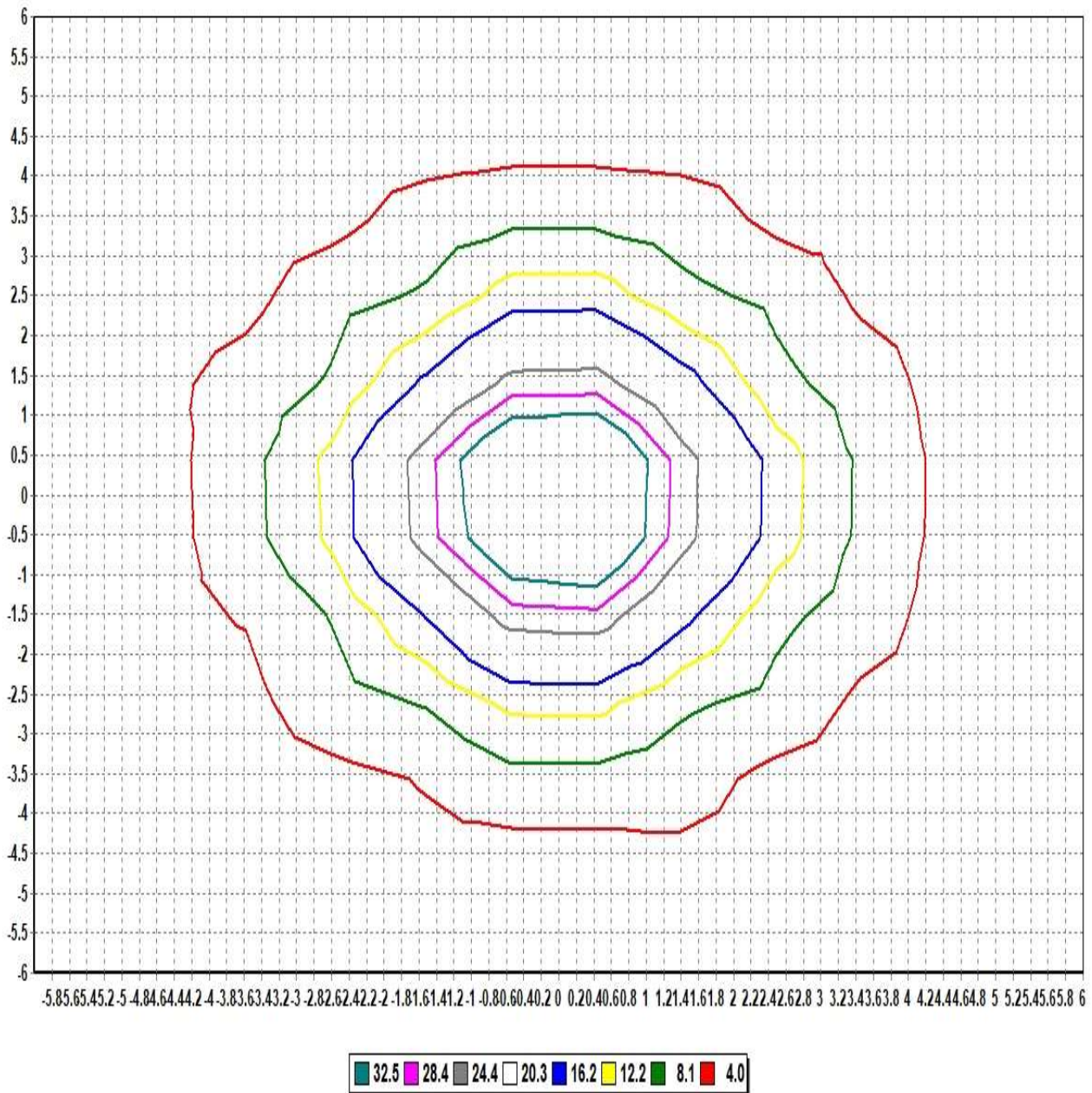
Operator YKI

Total flux (lm) 922

Power Factor 1

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## 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) 23.953

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Current (A) 0.39452

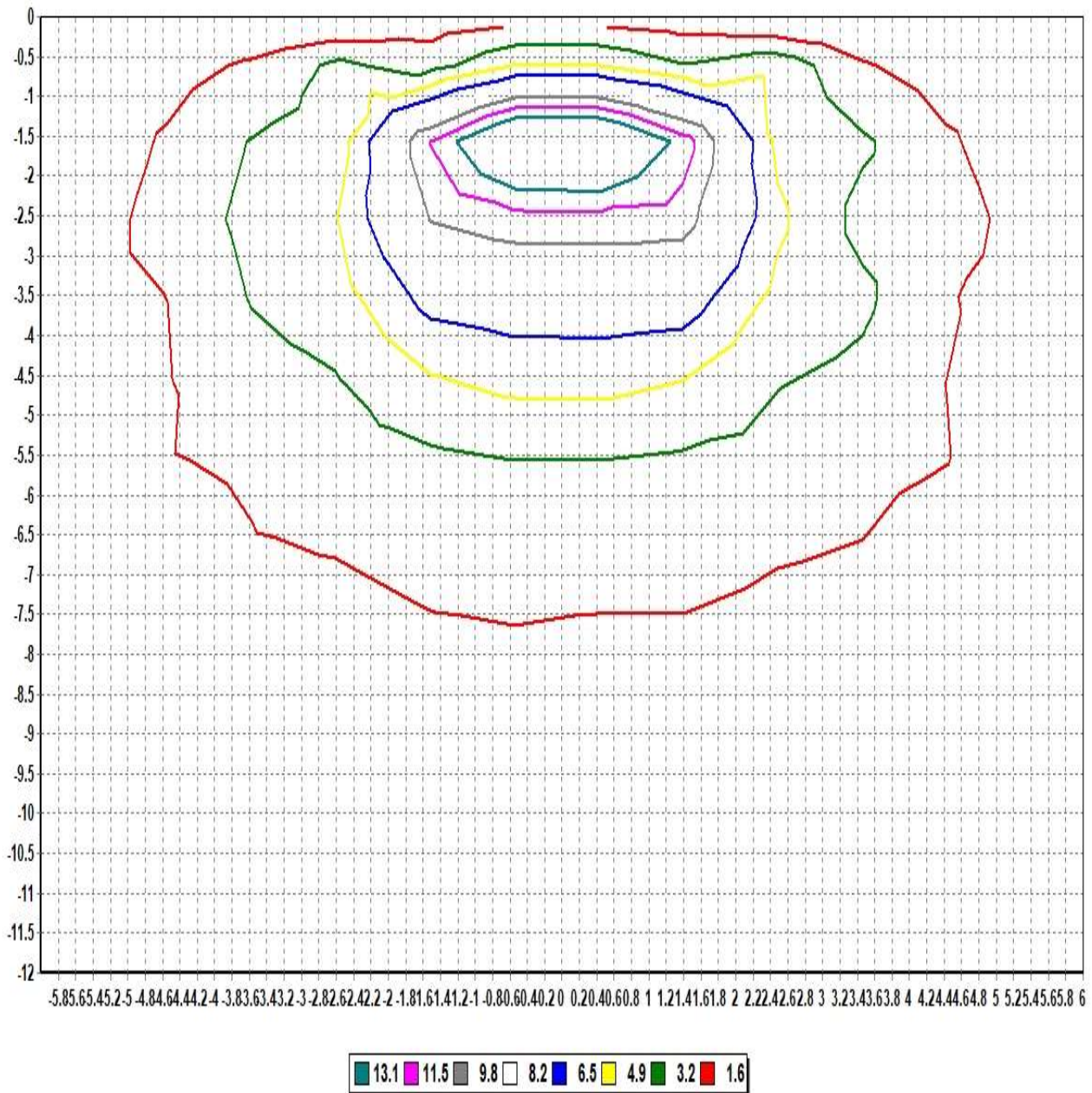
Operator YKI

Total flux (lm) 922

Power Factor 1

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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)	23.953
Lamp flux (lm)	922	Current (A)	0.39452
Total flux (lm)	922	Power Factor	1

Report	220120
Filename	FTS10 35K-24V-C90-1M.jdt
Operator	YKI
Date	2022-01-20 오후 4:26:10

## Illuminance Levels (Ground)

6.00	0.43	0.57	0.36	0.58	0.70	0.86	0.79	0.80	0.82	0.66	0.47	0.64	0.50
5.00	0.61	0.43	0.63	0.89	2.10	2.50	2.58	2.47	2.19	1.07	0.76	0.53	0.68
4.00	0.45	0.72	1.77	2.61	2.62	3.36	3.54	3.34	2.84	2.71	1.91	0.79	0.48
3.00	0.60	1.04	2.66	3.03	6.61	7.23	8.08	7.38	6.69	3.40	2.78	1.15	0.66
2.00	0.76	2.12	2.65	6.58	9.41	15.21	18.11	15.15	9.60	6.71	2.87	2.21	0.83
1.00	0.94	2.56	3.54	7.27	15.19	27.33	36.56	27.38	15.15	7.44	3.78	2.67	1.03
0.00	1.02	2.75	3.98	8.41	18.29	36.76	45.34	36.59	18.16	8.46	4.07	2.79	1.03
-1.00	0.91	2.53	3.52	7.47	15.46	27.55	36.72	27.74	15.61	7.62	3.77	2.66	1.00
-2.00	0.84	2.21	2.83	6.75	9.66	15.48	18.49	15.60	9.73	6.91	2.88	2.25	0.88
-3.00	0.67	1.13	2.76	3.34	6.83	7.52	8.42	7.52	6.81	3.24	2.84	1.23	0.69
-4.00	0.49	0.80	1.90	2.78	2.82	3.50	3.76	3.51	2.84	2.73	1.87	0.86	0.55
-5.00	0.66	0.54	0.79	1.11	2.21	2.58	2.71	2.60	2.21	0.99	0.71	0.49	0.69
-6.00	0.49	0.65	0.49	0.67	0.83	0.86	0.87	0.91	0.79	0.66	0.41	0.62	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.) : 45.341

Illum. (Min.) : 0.3564

Illum. (Avg.) : 5.2678

All illuminance level values are in lux.





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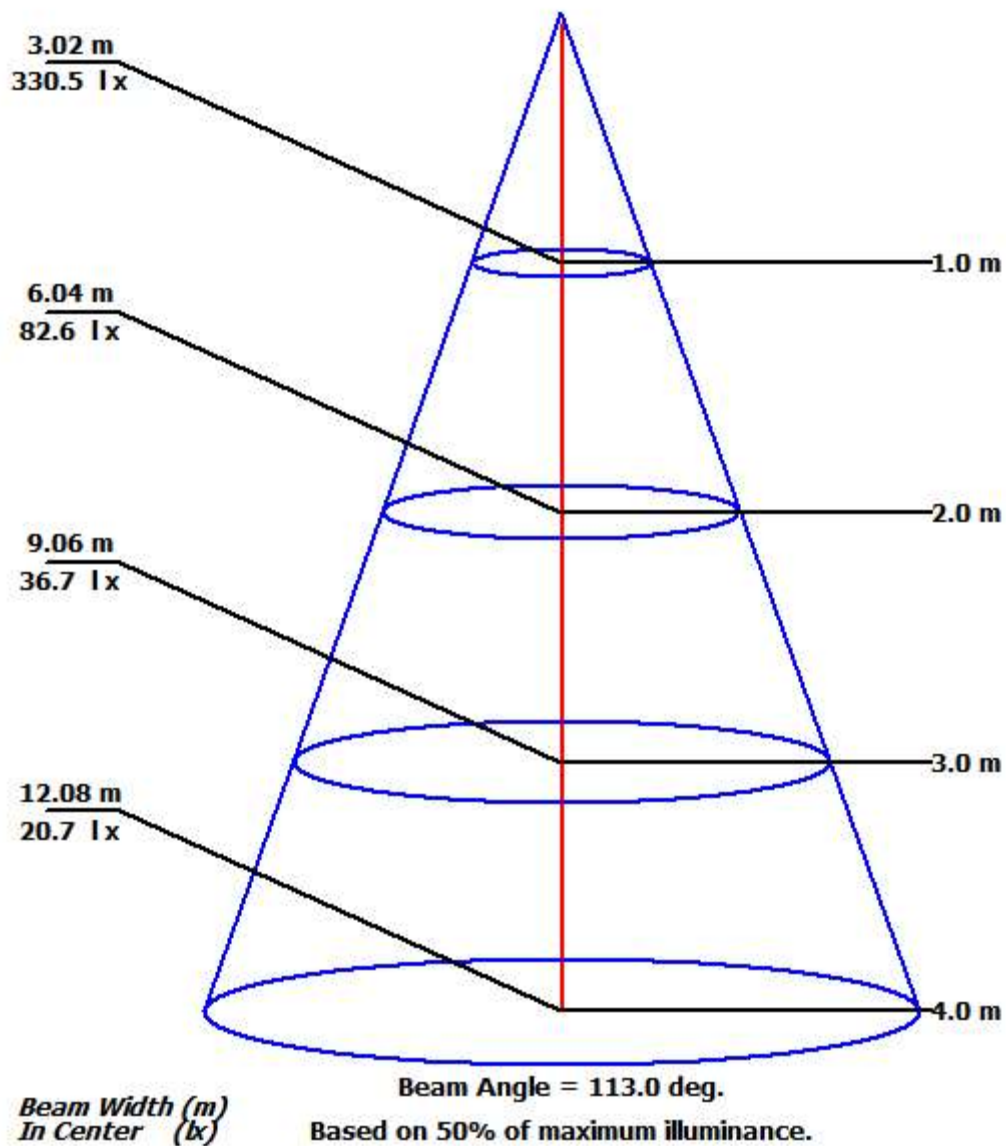
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## Illuminance Cone Diagram



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Total flux (lm) 922 Power Factor 1

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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