

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 :** / FTS5 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		0.4040 , 0.3817	
Correlated Color Temperature	K	3458	
Ra		93.8	
Power Factor		1.000	
Input Voltage	V	23.976	
Input Current	A	0.190	
Input Watt	W	4.5557	
Lamp Flux	lm	448.1	
Efficient	lm/W	98.36	
luminous Intensity (Max , Center)	cd	162 , 162	
Illuminance	lx	162	1 m
		41	2 m
		18	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) 23.976

Filename FTS5 35K-24V-C90-1M.jdt

Lamp flux (lm) 448

Current (A) 0.19001

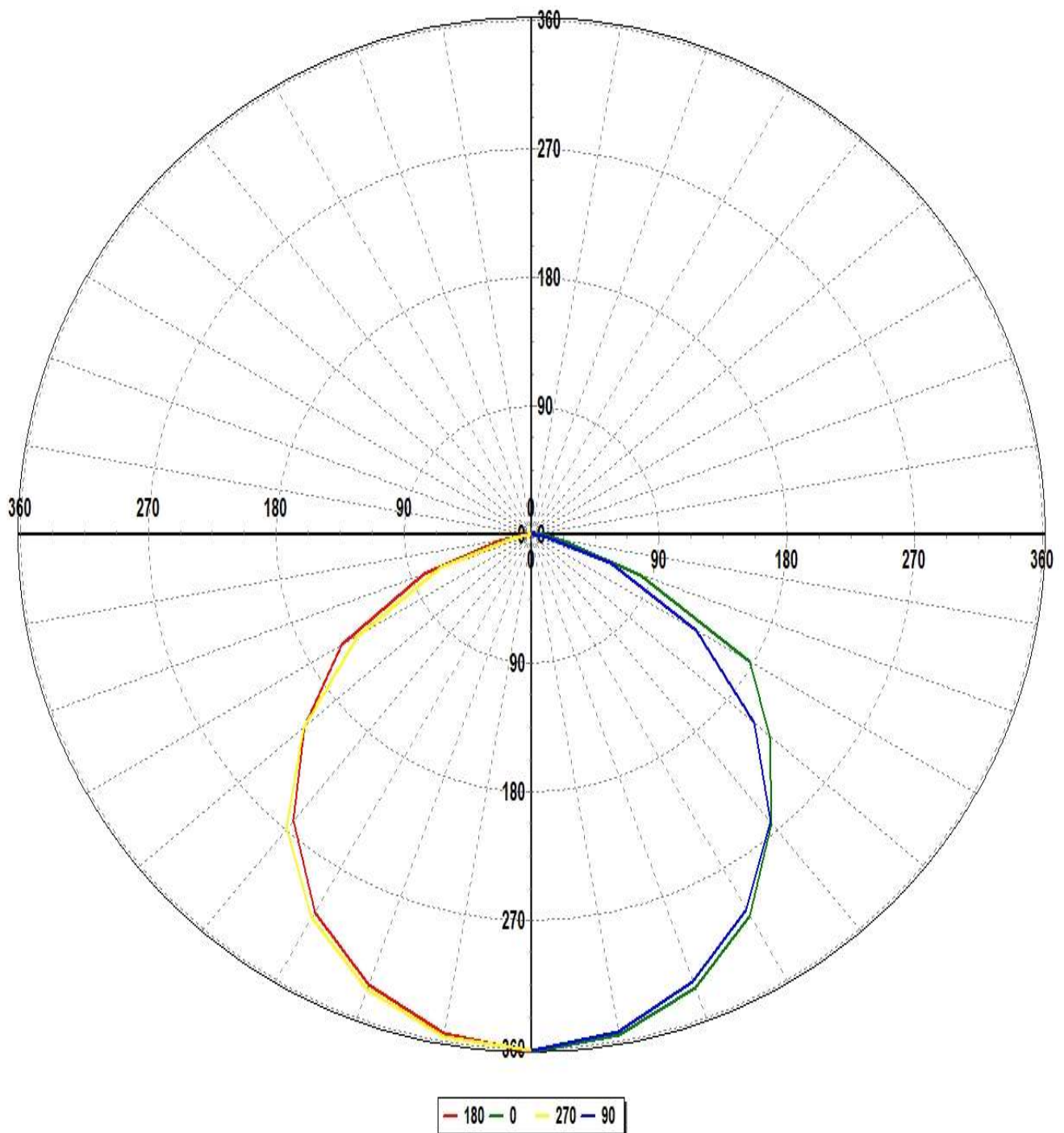
Operator YKI

Total flux (lm) 448

Power Factor 1

Date 2022-01-20 오후 5:35:03

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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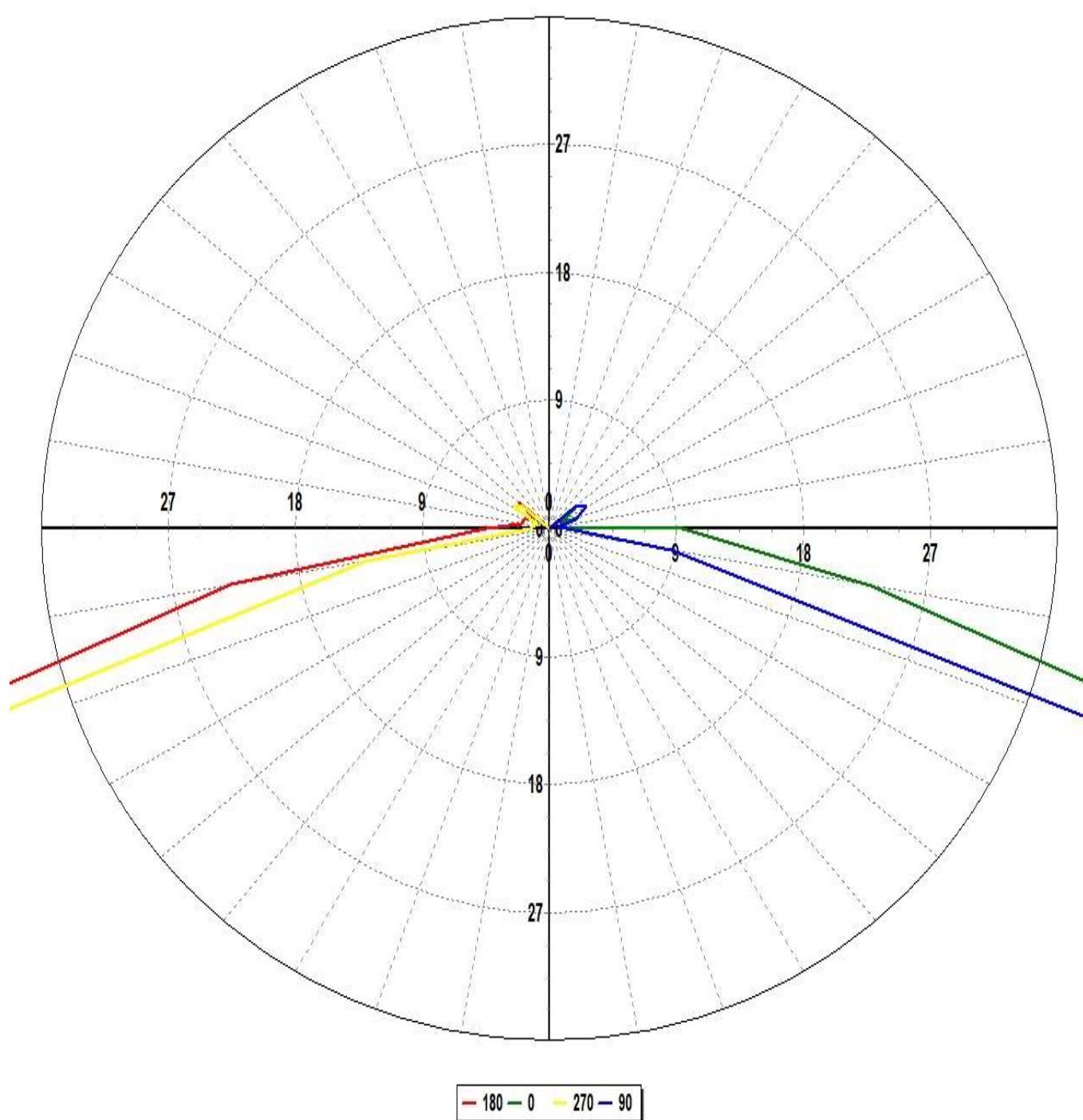
Operator YKI

Total flux (lm) 448

Power Factor 1

Date 2022-01-20 오후 5:35:03

Luminous Intensity Distribution (Lowest 10%)



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Date 2022-01-20 오후 5:35:03

Luminous Intensity Data

Maximum (cd) : 162

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	162.22	161.85	161.01	161.82	161.31	161.35	162.22	161.85	161.01	161.82	161.31
10	159.14	158.53	158.06	158.2	158.41	158.36	158.68	158.69	159.41	159.48	159.5
20	151.2	150.68	150.2	149.12	150.78	149.58	150.11	150.72	150.39	151.77	152.46
30	138.05	136.66	136.97	135.71	136.88	135.62	136.69	137.74	138.25	138.74	139.16
40	118.07	117.89	117.25	117.67	117.46	114.92	116.82	118.84	119.83	120.23	120.98
50	98.28	95.44	94.42	91.6	92.37	91.33	93.62	95.3	95.02	93.86	98.75
60	79.57	74.17	67.25	60	64.47	63.87	69.3	68.72	67.81	63.43	70.88
70	36.7	38.2	37.47	26.52	33.32	33.61	36.04	37.77	36.96	30.61	40.86
80	10.37	11.78	11.32	3.94	9.78	9.96	10.26	11.09	12.85	5.92	14.32
90	4.22	4.19	2.24	0.53	1.44	2.14	2.02	1.44	1.54	0.6	2.51
100	0.4	1.29	1.32	0.28	1.01	0.95	0.92	0.95	1	0.47	1.01
110	0.94	0.93	0.92	0.9	0.92	0.44	0.83	0.39	0.84	0.41	0.86
120	0.44	1.03	0.76	1.34	-0.1	0.67	0.55	0.86	0.47	1.33	0.55
130	1.17	0.46	1.32	1.15	1.31	1.54	1.26	1.03	1.39	1.17	0.88

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Luminous Intensity Data (Continued)

Maximum (cd) : 162

Minimum (cd) : 0

G/C	330	360
0	161.35	162.22
10	160.73	159.14
20	153.16	151.2
30	139.52	138.05
40	122.32	118.07
50	99.42	98.28
60	77.3	79.57
70	43.86	36.7
80	13.84	10.37
90	4.35	4.22
100	1.09	0.4
110	0.77	0.94
120	0.4	0.44
130	1.48	1.17

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Luminous Flux Table

Total Lamp Lumens: 448.06

Luminaire Efficiency (lm/W): 98.35

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.86	3.86	0.86	0.86
10	30.23	34.09	7.61	7.61
20	56.51	90.60	20.22	20.22
30	75.30	165.89	37.02	37.02
40	83.44	249.33	55.64	55.65
50	79.66	329.00	73.42	73.43
60	65.35	394.35	88.00	88.01
70	37.04	431.39	96.27	96.28
80	11.28	442.66	98.79	98.80
90	2.48	445.15	99.34	99.35
100	0.96	446.11	99.56	99.56
110	0.78	446.89	99.73	99.74
120	0.65	447.55	99.88	99.89
130	0.51	448.06	99.99	100.00

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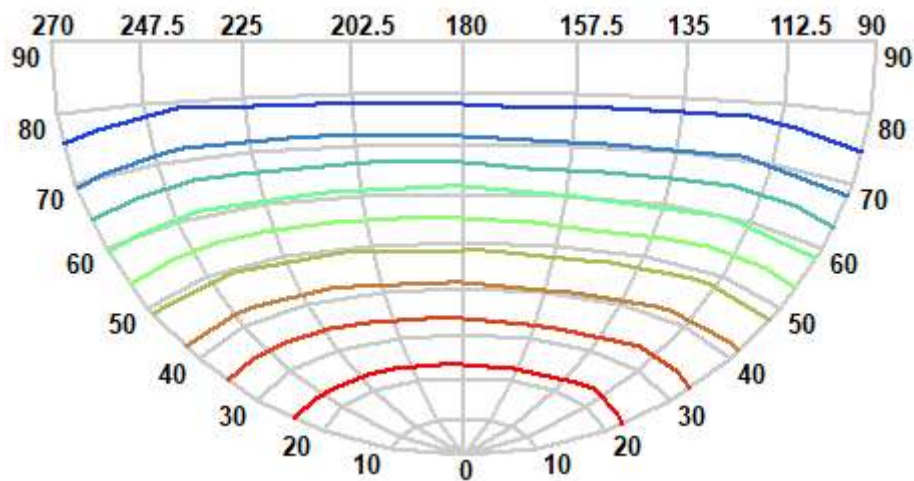
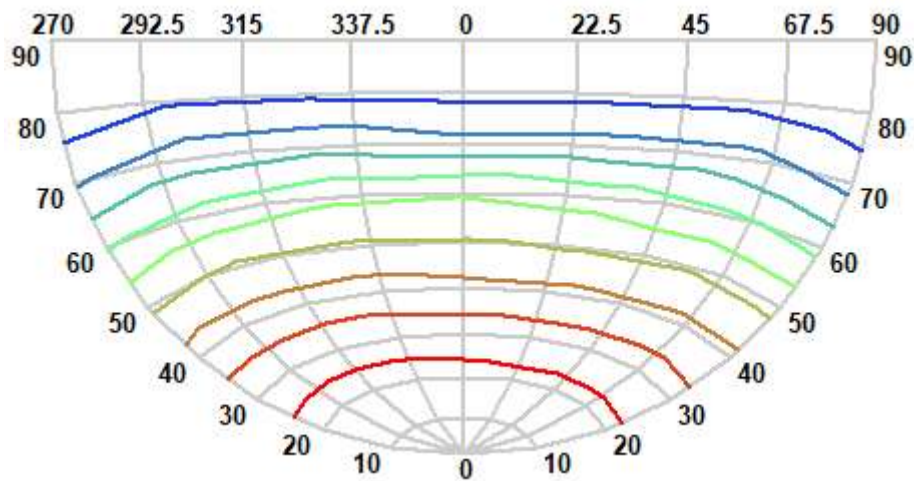
Operator YKI

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IsoCandela (Type C)



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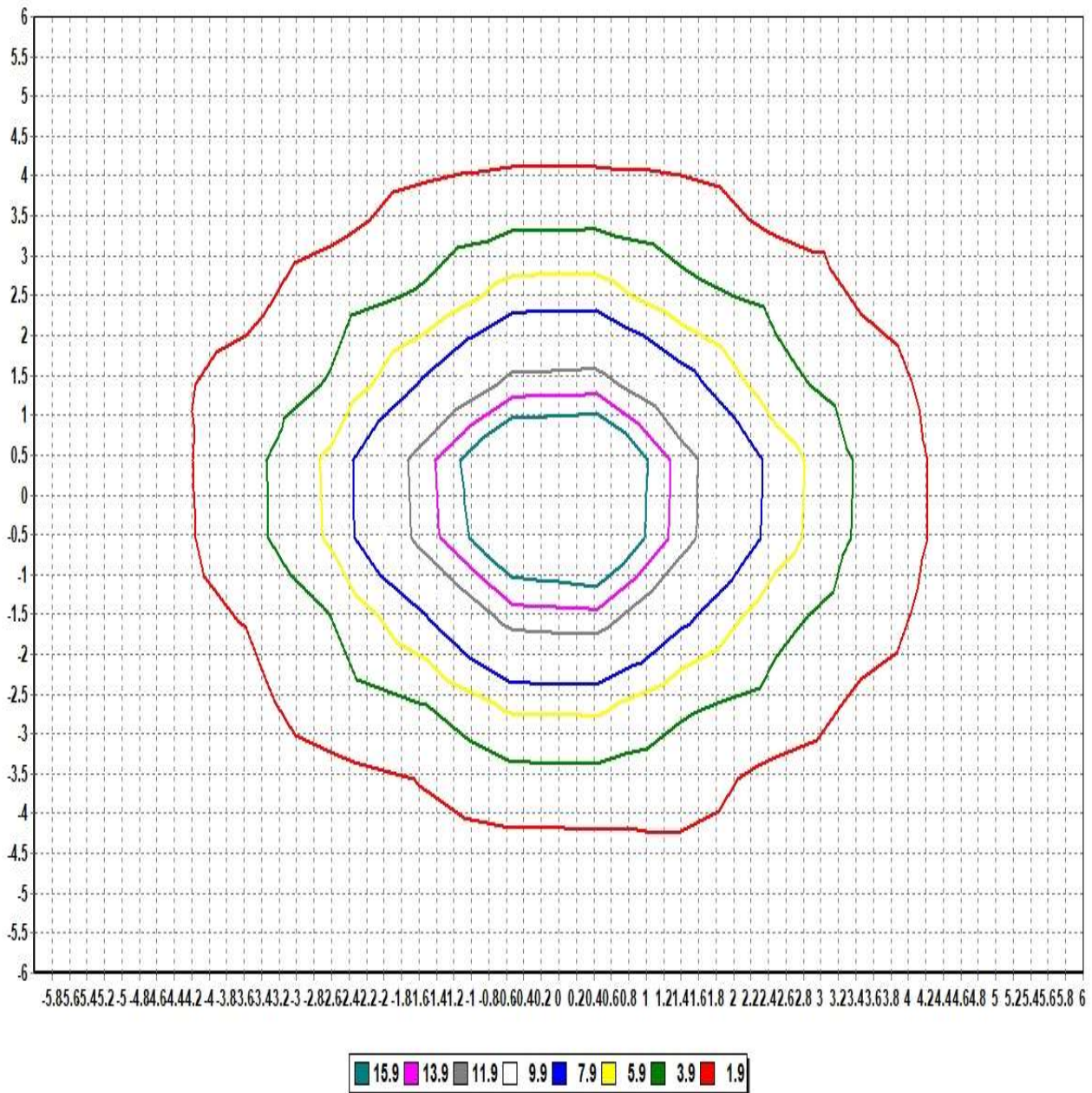
Operator YKI

Total flux (lm) 448

Power Factor 1

Date 2022-01-20 오후 5:35:03

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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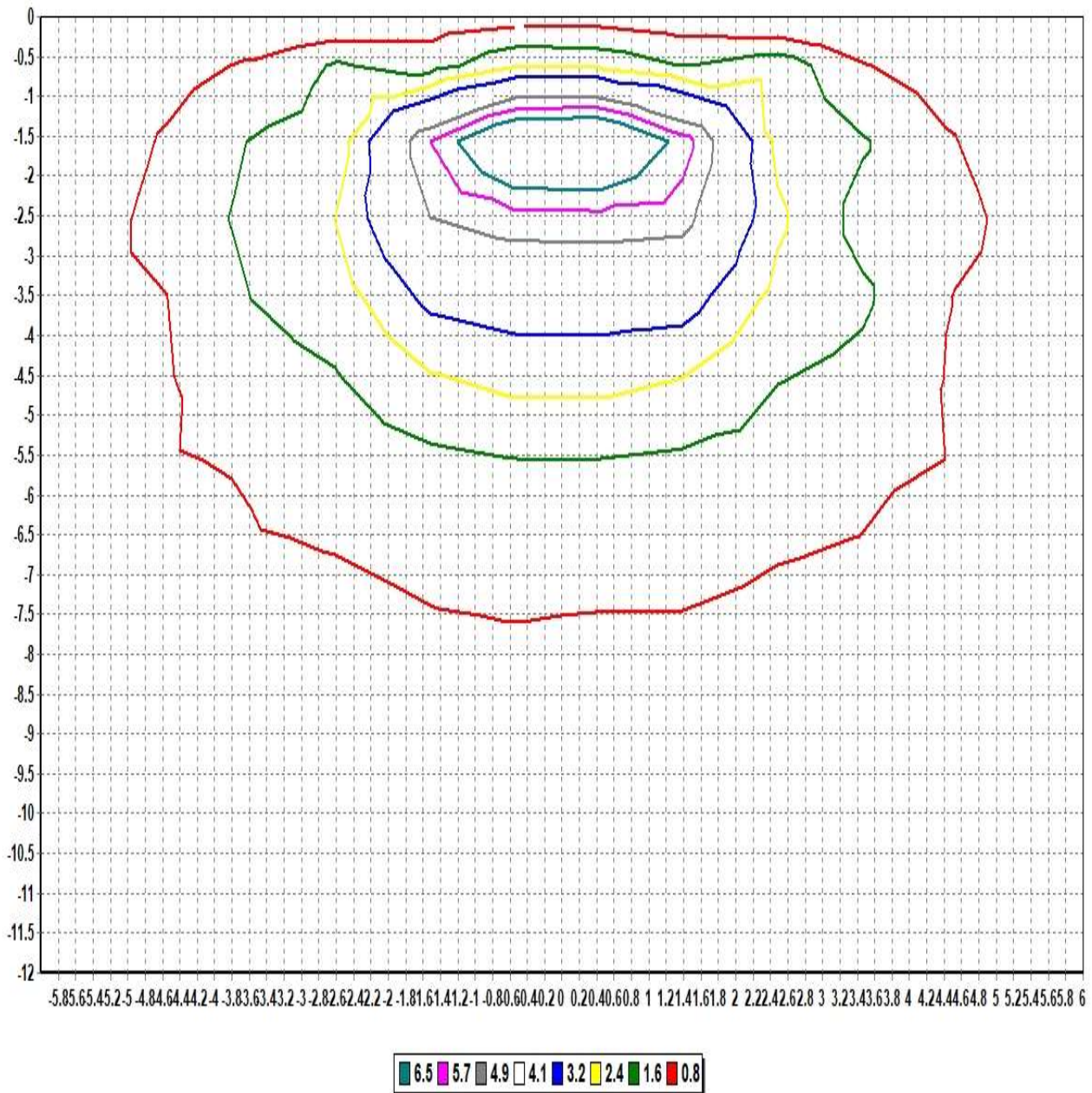
Operator YKI

Total flux (lm) 448

Power Factor 1

Date 2022-01-20 오후 5:35:03

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)	23.976
Lamp flux (lm)	448	Current (A)	0.19001
Total flux (lm)	448	Power Factor	1

Report 220120

Filename FTS5 35K-24V-C90-1M.jdt

Operator YKI

Date 2022-01-20 오후 5:35:03

Illuminance Levels (Ground)

6.00	0.21	0.28	0.17	0.28	0.34	0.42	0.39	0.39	0.40	0.32	0.23	0.32	0.26
5.00	0.29	0.20	0.30	0.44	1.02	1.23	1.27	1.21	1.08	0.53	0.38	0.26	0.35
4.00	0.21	0.34	0.86	1.28	1.27	1.65	1.75	1.64	1.44	1.33	0.96	0.39	0.23
3.00	0.28	0.49	1.28	1.48	3.23	3.50	3.97	3.61	3.25	1.74	1.39	0.58	0.32
2.00	0.36	1.02	1.28	3.18	4.58	7.41	8.82	7.43	4.72	3.30	1.46	1.10	0.41
1.00	0.44	1.23	1.69	3.50	7.39	13.30	17.86	13.40	7.43	3.66	1.92	1.33	0.51
0.00	0.47	1.32	1.90	4.03	8.81	17.92	22.25	17.97	8.90	4.20	2.09	1.40	0.52
-1.00	0.43	1.22	1.69	3.60	7.48	13.38	18.01	13.55	7.63	3.76	1.92	1.33	0.50
-2.00	0.39	1.06	1.36	3.24	4.65	7.50	9.01	7.62	4.75	3.39	1.41	1.11	0.43
-3.00	0.31	0.53	1.32	1.60	3.31	3.62	4.07	3.68	3.31	1.58	1.40	0.61	0.34
-4.00	0.22	0.37	0.91	1.33	1.36	1.69	1.82	1.69	1.39	1.33	0.91	0.42	0.27
-5.00	0.32	0.25	0.37	0.53	1.06	1.24	1.31	1.25	1.08	0.48	0.34	0.24	0.35
-6.00	0.24	0.31	0.23	0.31	0.39	0.41	0.42	0.43	0.39	0.33	0.20	0.30	0.23
-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.) : 22.253

Illum. (Min.) : 0.1721

Illum. (Avg.) : 2.5704

All illuminance level values are in lux.



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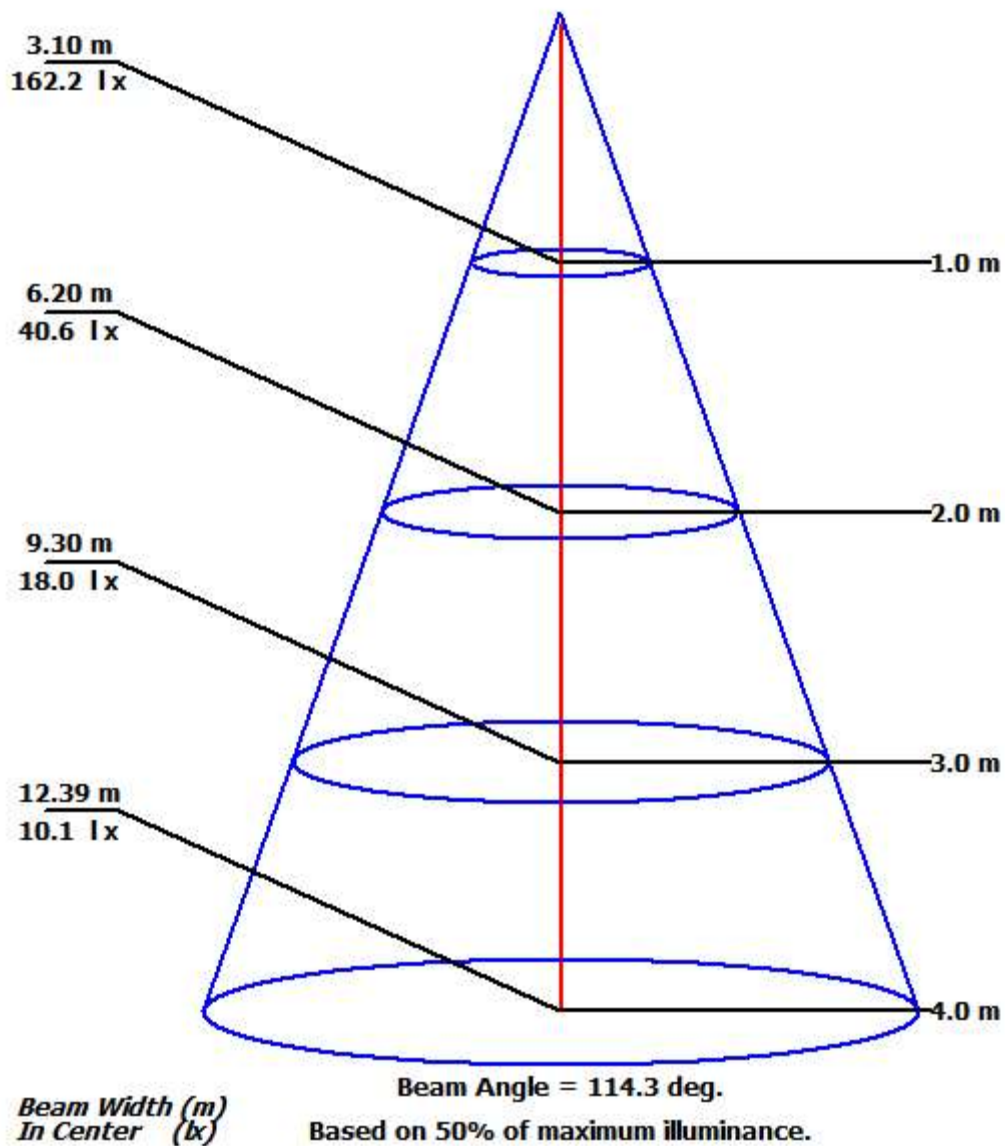
Operator YKI

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Illuminance Cone Diagram



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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