

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 27K-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		0.4538 , 0.3965	
Correlated Color Temperature	K	2669	
Ra		91.71	
Power Factor		1.000	
Input Voltage	V	23.951	
Input Current	A	0.402	
Input Watt	W	9.626	
Lamp Flux	lm	825.4	
Efficient	lm/W	85.75	
luminous Intensity (Max , Center)	cd	298 , 297	
Illuminance	lx	297	1 m
		74	2 m
		33	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) 23.951

Filename FTS10 27K-24V-C90-1M.jdt

Lamp flux (lm) 825

Current (A) 0.40188

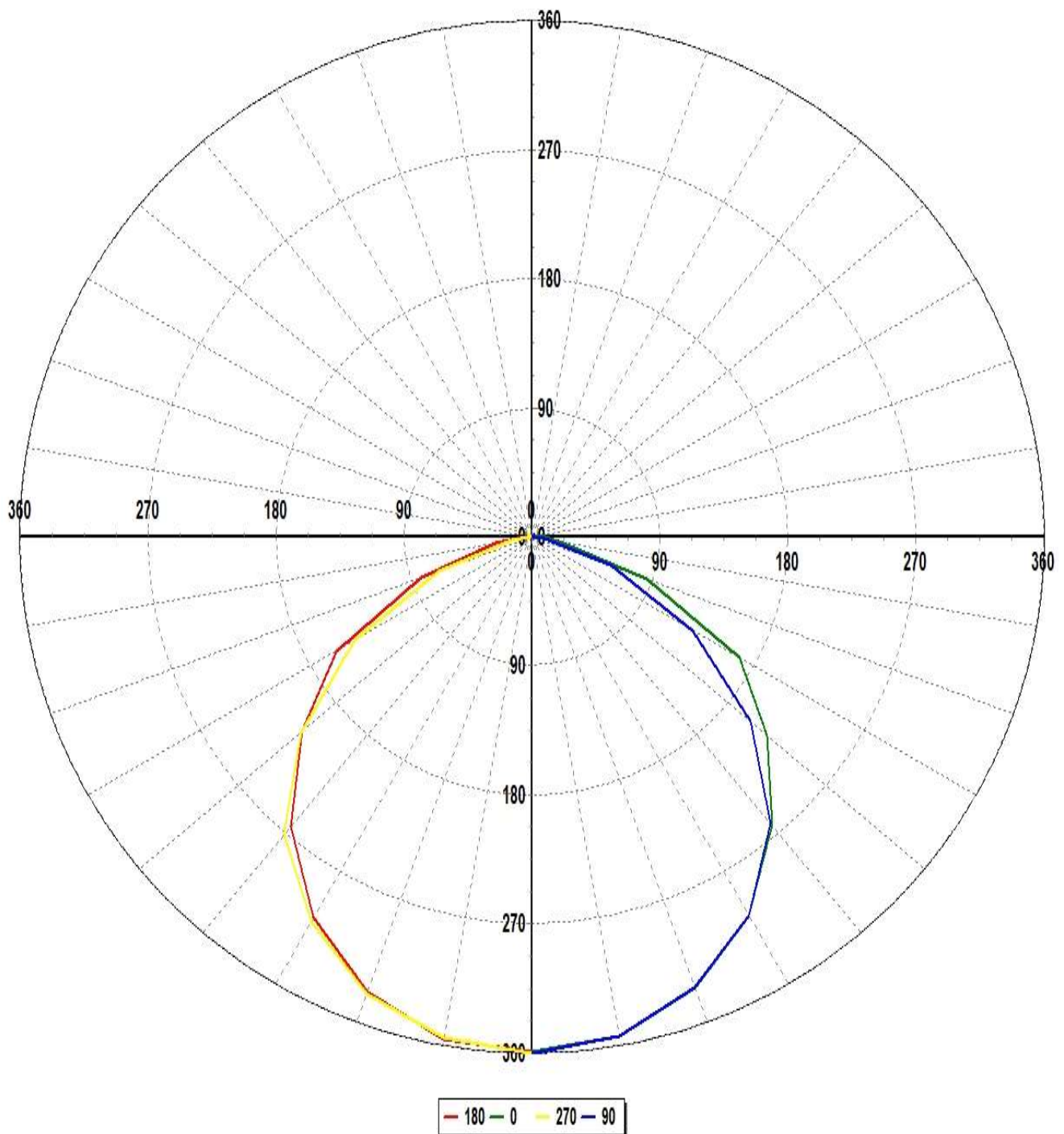
Operator YKI

Total flux (lm) 825

Power Factor 1

Date 2022-01-20 오후 4:03:48

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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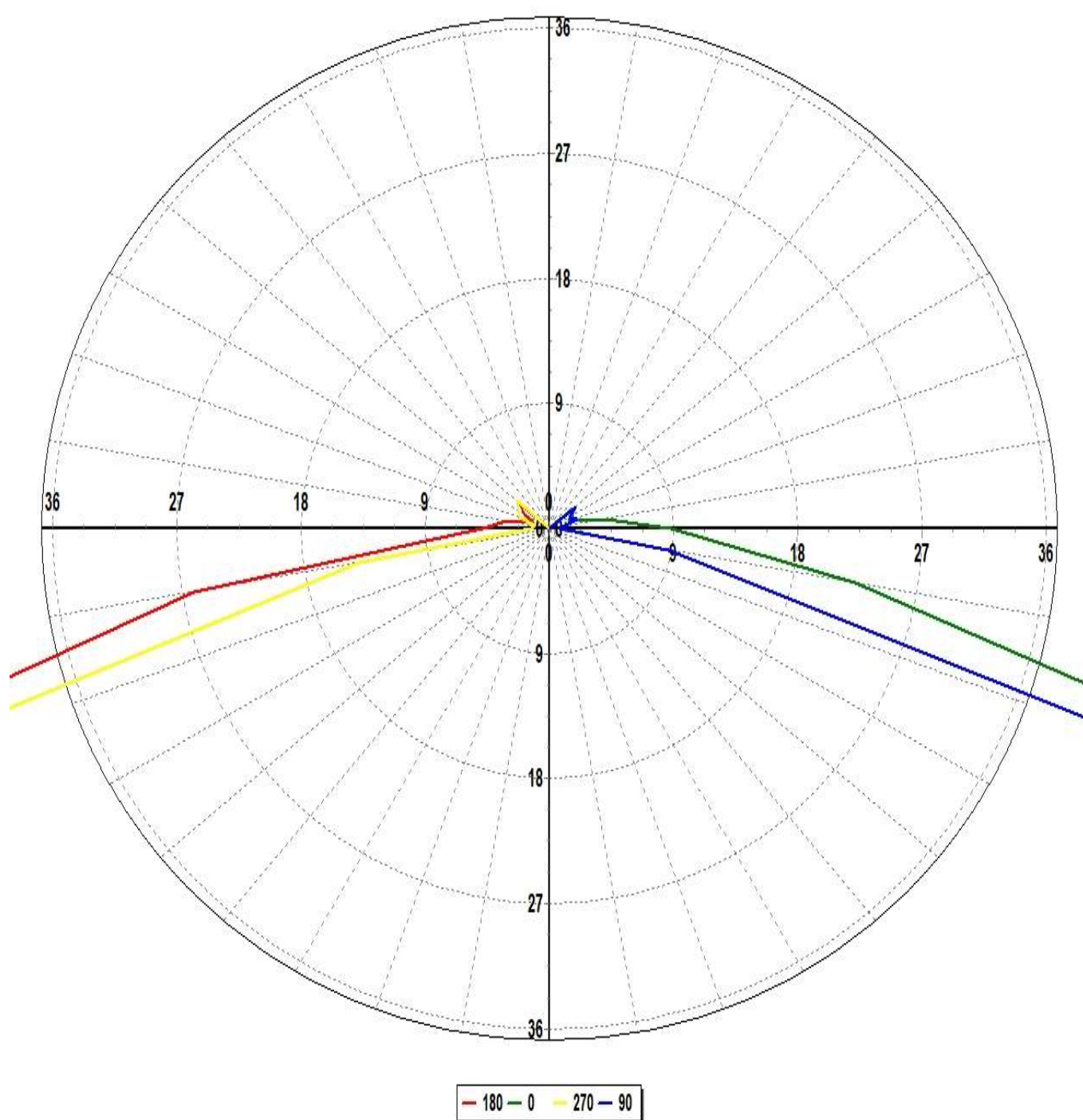
Operator YKI

Total flux (lm) 825

Power Factor 1

Date 2022-01-20 오후 4:03:48

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Power Factor 1

Date 2022-01-20 오후 4:03:48

Luminous Intensity Data

Maximum (cd) : 298

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	297.08	298.06	297.25	297.57	297.45	295.78	297.08	298.06	297.25	297.57	297.45
10	292.23	292.89	292.55	292.01	291.16	289.89	293.77	293.2	292.12	293.38	294.73
20	276.83	276.7	276.74	276.47	276.11	273.71	278.79	278.26	278.02	280.59	278.81
30	251.54	250.87	250.63	251.92	250.16	247.65	253.54	255.16	254.39	255.66	255.75
40	217.01	216.78	216.58	215.48	215.52	211.1	217.64	219.82	220.98	223.95	222.34
50	178.4	174.36	173.55	165.6	170.74	167.48	174.15	176.3	178.76	175.14	180.92
60	138.91	131.66	123.47	107.72	118.73	119.57	131.14	128.46	126.26	118.52	130.54
70	70.84	71.9	68.78	48.34	61.72	63.23	68.54	70.97	68.8	57.45	76.37
80	18.55	20.65	21.79	7.25	18.35	17.86	21.57	22.13	22.88	11.57	27.82
90	7.29	7.17	3.98	0.63	2.52	3.19	4.01	3.1	1.74	1.06	4.19
100	3.36	0.71	1.24	0.77	0.85	0.87	2.56	2.35	1.88	0.89	1.05
110	1.21	1.42	1.74	1.74	1.65	1.77	1.06	1.24	1.3	1.86	1.72
120	1.66	1.77	1.68	1.35	1.12	1.84	1.71	1.89	1.48	2.12	1.29
130	1.81	2.24	2.6	2.07	1.93	2.19	2.35	1.56	2.16	2.52	2.1

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Luminous Intensity Data (Continued)

Maximum (cd) : 298

Minimum (cd) : 1

G/C	330	360
0	295.78	297.08
10	292.13	292.23
20	278.71	276.83
30	253.84	251.54
40	222.01	217.01
50	181.55	178.4
60	137.31	138.91
70	83.32	70.84
80	25.12	18.55
90	7.32	7.29
100	2.28	3.36
110	1.16	1.21
120	1.61	1.66
130	1.87	1.81

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Date 2022-01-20 오후 4:03:48

Luminous Flux Table

Total Lamp Lumens: 825.37

Luminaire Efficiency (lm/W): 85.74

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.11	7.11	0.86	0.86
10	55.63	62.74	7.60	7.60
20	103.94	166.68	20.19	20.19
30	138.32	305.00	36.95	36.95
40	153.66	458.66	55.57	55.57
50	146.61	605.27	73.33	73.33
60	119.53	724.80	87.81	87.82
70	69.49	794.29	96.23	96.24
80	21.17	815.47	98.80	98.80
90	4.22	819.68	99.31	99.31
100	1.69	821.37	99.51	99.52
110	1.53	822.91	99.70	99.70
120	1.54	824.45	99.88	99.89
130	0.92	825.37	100.00	100.00

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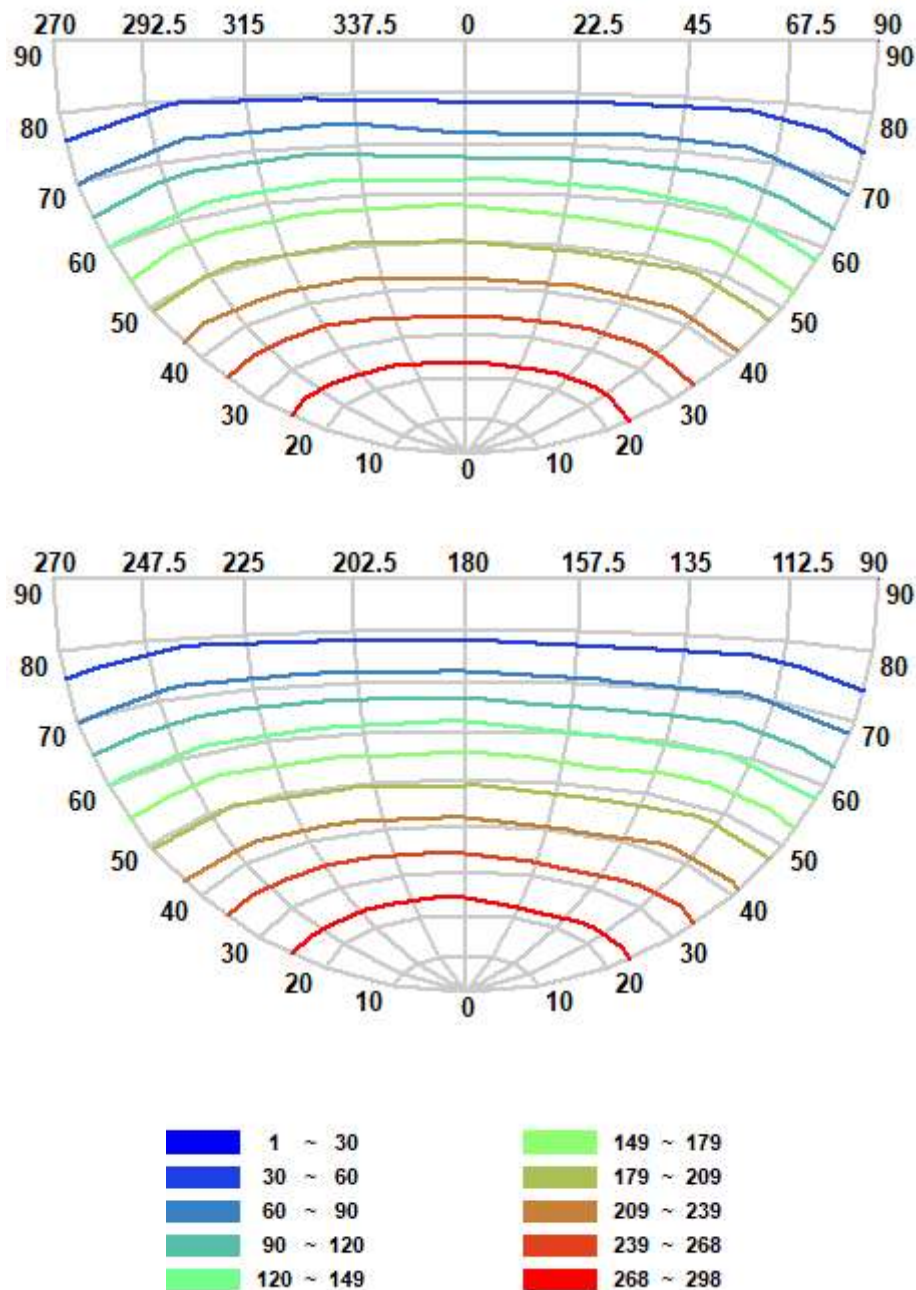
Operator YKI

Total flux (lm) 825

Power Factor 1

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IsoCandela (Type C)



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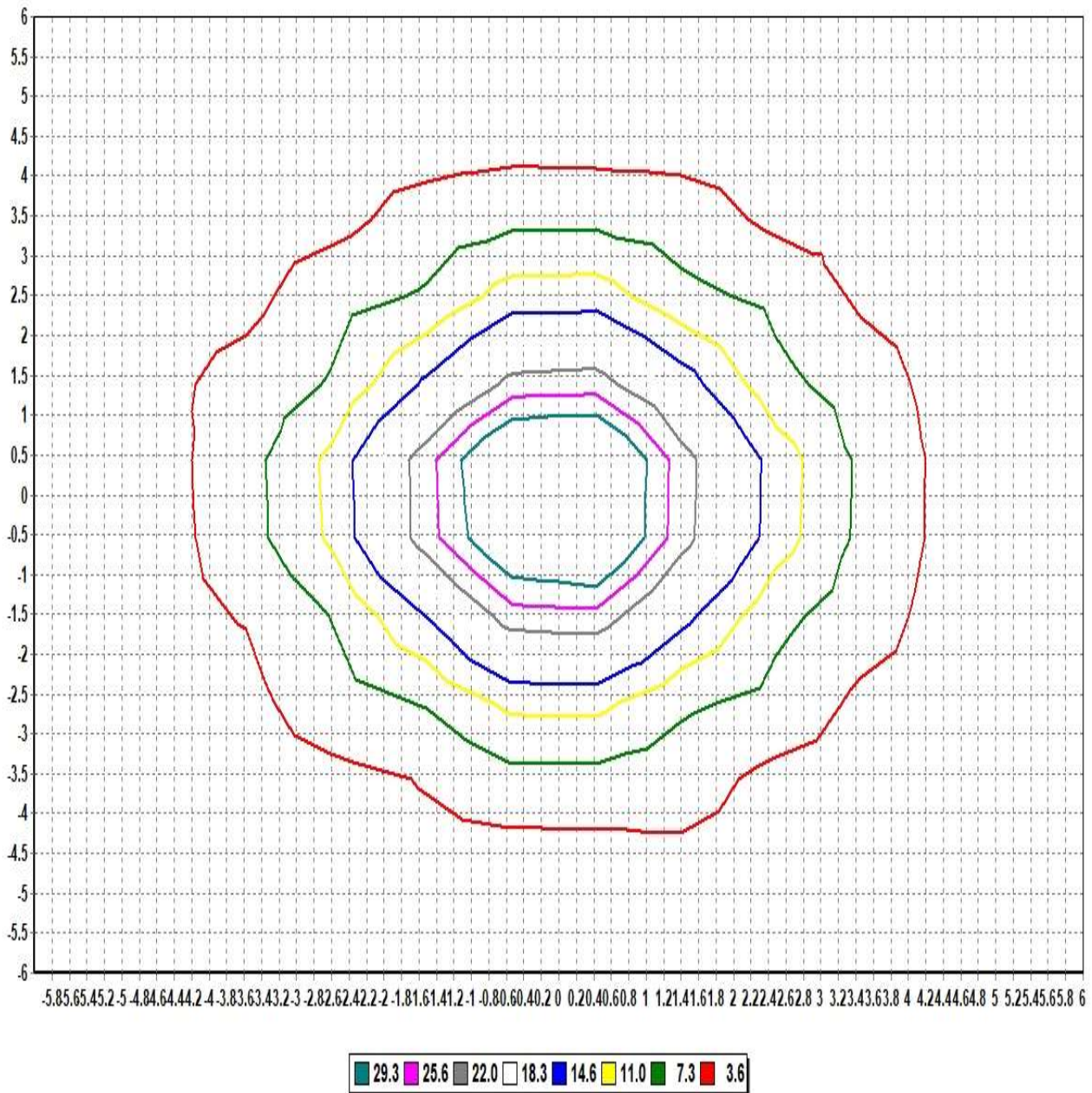
Operator YKI

Total flux (lm) 825

Power Factor 1

Date 2022-01-20 오후 4:03:48

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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Lamp

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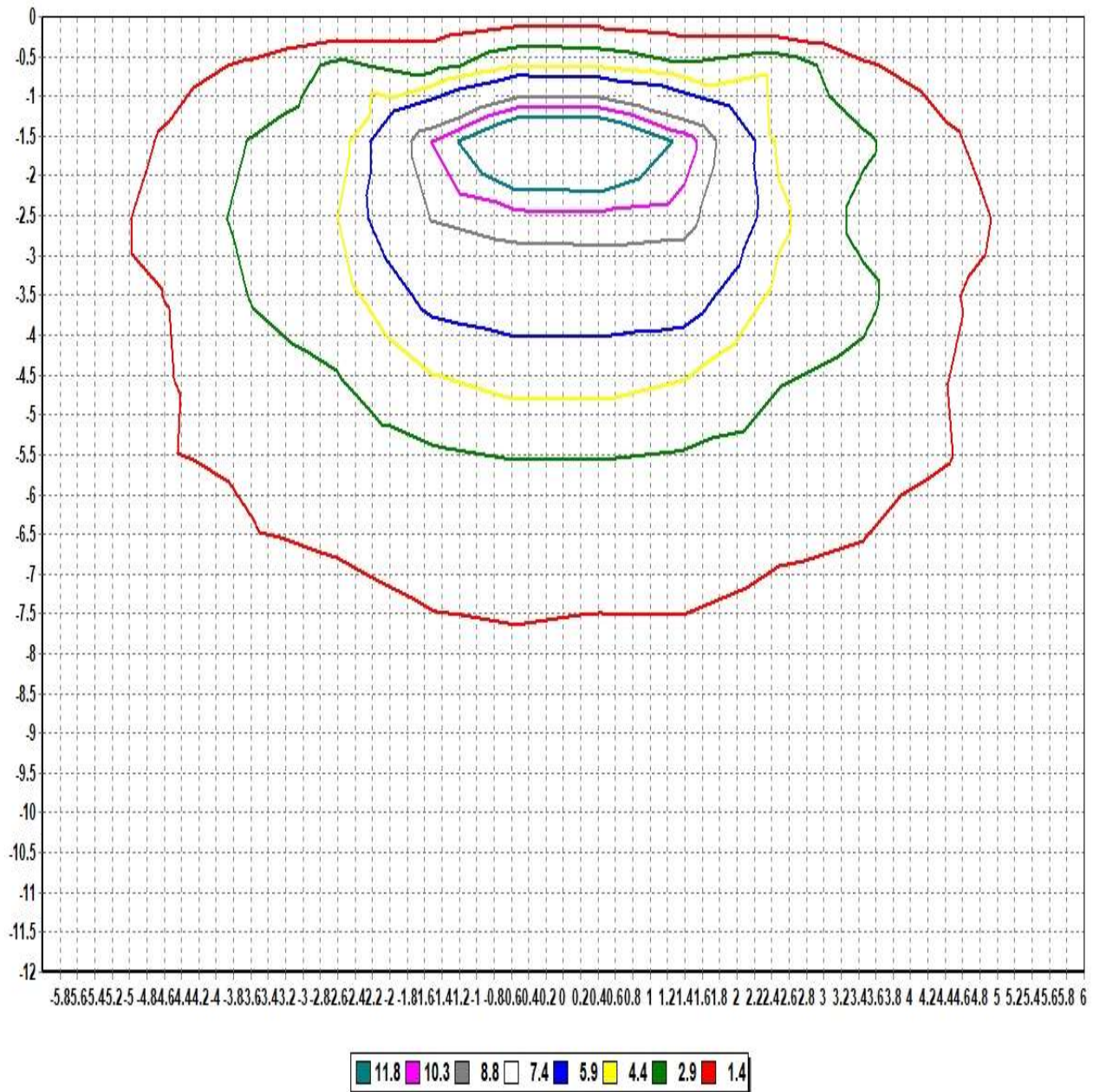
Operator YKI

Total flux (lm) 825

Power Factor 1

Date 2022-01-20 오후 4:03:48

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)	23.951
Lamp flux (lm)	825	Current (A)	0.40188
Total flux (lm)	825	Power Factor	1

Report	220120
Filename	FTS10 27K-24V-C90-1M.jdt
Operator	YKI
Date	2022-01-20 오후 4:03:48

Illuminance Levels (Ground)

6.00	0.38	0.51	0.31	0.51	0.62	0.77	0.70	0.71	0.74	0.59	0.43	0.58	0.46
5.00	0.55	0.38	0.56	0.79	1.87	2.24	2.30	2.21	1.96	0.97	0.69	0.48	0.62
4.00	0.39	0.64	1.57	2.32	2.34	3.01	3.15	2.99	2.57	2.44	1.73	0.72	0.44
3.00	0.52	0.92	2.36	2.69	5.90	6.42	7.21	6.61	6.00	3.09	2.51	1.06	0.60
2.00	0.66	1.89	2.36	5.84	8.38	13.59	16.24	13.66	8.64	6.04	2.60	1.99	0.76
1.00	0.83	2.28	3.16	6.45	13.55	24.50	32.97	24.53	13.67	6.68	3.42	2.41	0.94
0.00	0.90	2.46	3.57	7.51	16.38	33.18	40.75	33.00	16.30	7.64	3.72	2.53	0.94
-1.00	0.80	2.25	3.15	6.67	13.84	24.80	33.14	24.92	14.01	6.88	3.42	2.40	0.91
-2.00	0.74	1.98	2.54	6.03	8.63	13.87	16.72	14.02	8.79	6.18	2.59	2.03	0.80
-3.00	0.58	1.01	2.46	2.99	6.13	6.74	7.59	6.79	6.16	2.92	2.56	1.11	0.63
-4.00	0.43	0.70	1.70	2.50	2.53	3.15	3.39	3.16	2.55	2.46	1.69	0.78	0.50
-5.00	0.60	0.47	0.69	0.98	1.98	2.32	2.44	2.33	2.00	0.89	0.64	0.45	0.62
-6.00	0.44	0.58	0.43	0.58	0.73	0.78	0.79	0.81	0.72	0.61	0.37	0.56	0.42
-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.) : 40.752

Illum. (Min.) : 0.3140

Illum. (Avg.) : 4.7314

All illuminance level values are in lux.



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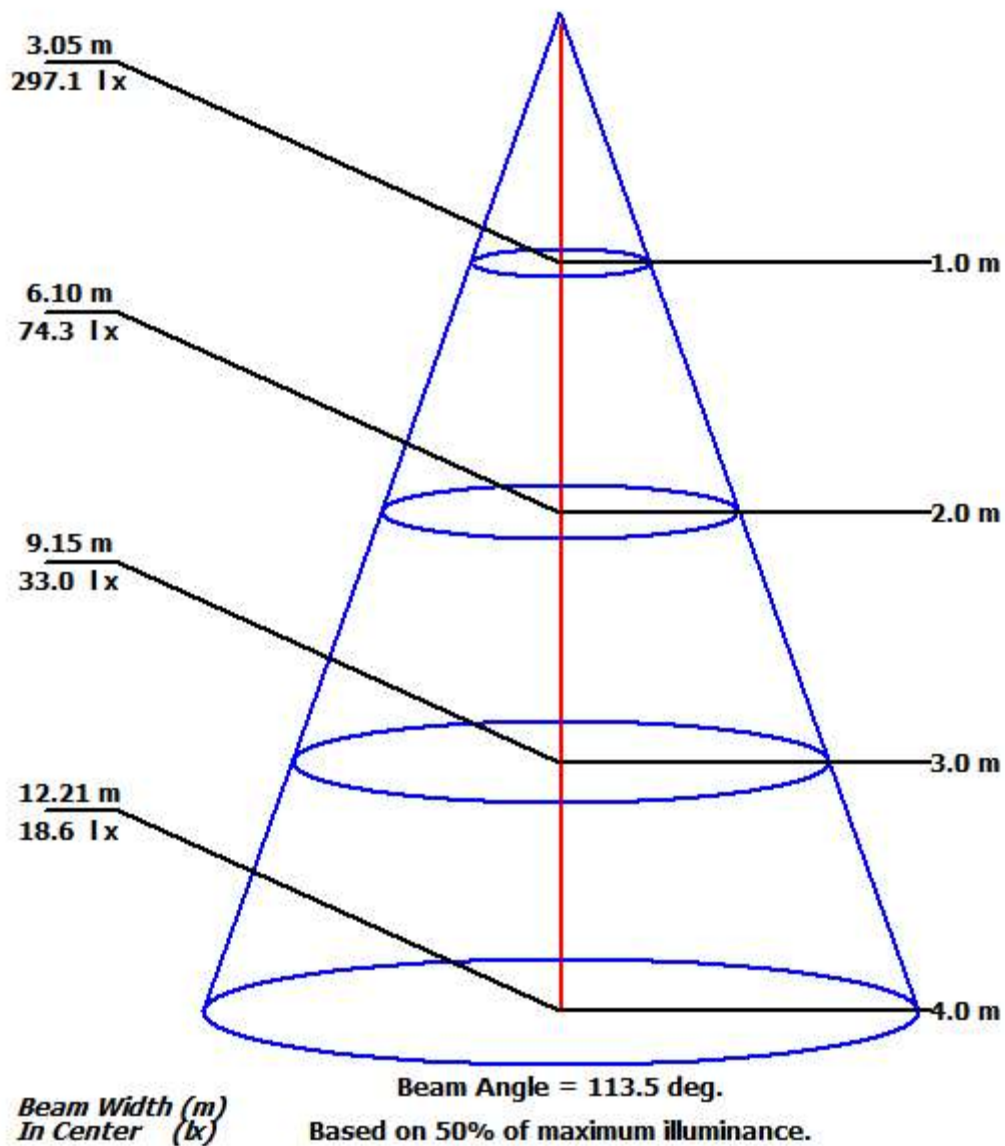
Operator YKI

Total flux (lm) 825

Power Factor 1

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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