

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84
* Date of Receipt : 230608

2. Purpose of Report :

3. Number of Report : 230608

4. Test Standard / Item : / 230608 MSP6 30K 24도

5. Test Period : 230607 ~ 230608

6. Test Environment

* Ambient Temp. : 22.0 +- 3 °C
* Relative Humidity : 60.0 +- 10 % RH

7. Test Item

* Name of Product :
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	PKW	Sign	PKW	Sign

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reporduced, 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
230608			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4348 , 0.4074	
Correlated Color Temperature	K	3065	
Ra		92.56	
Power Factor		1.000	
Input Voltage	V	23.967	
Input Current	A	0.233	
Input Watt	W	5.5874	
Lamp Flux	lm	464.2	
Efficient	lm/W	83.08	
luminous Intensity (Max , Center)	cd	1569 , 1569	
Illuminance	lx	1569	1 m
		392	2 m
		174	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

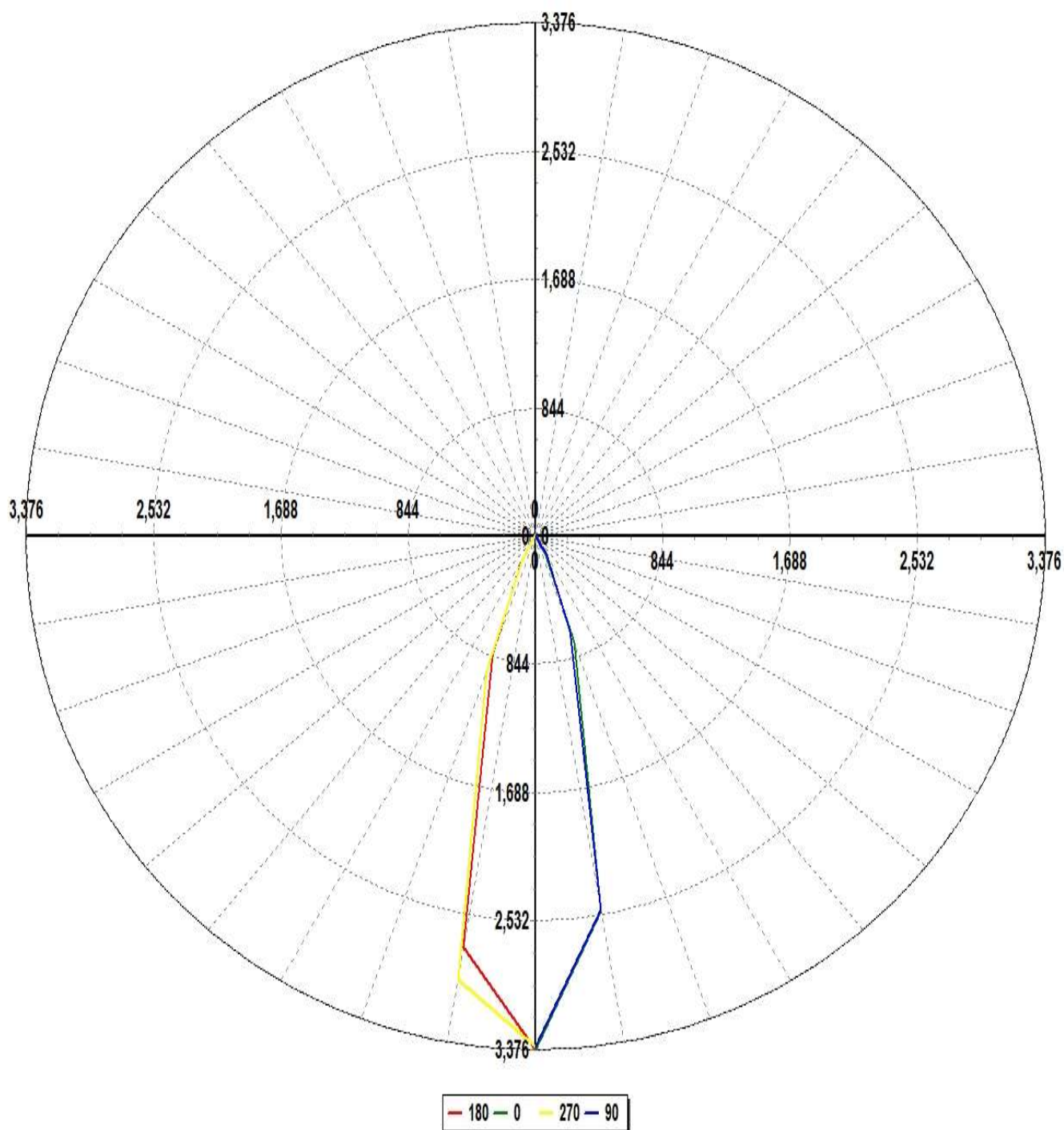
Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

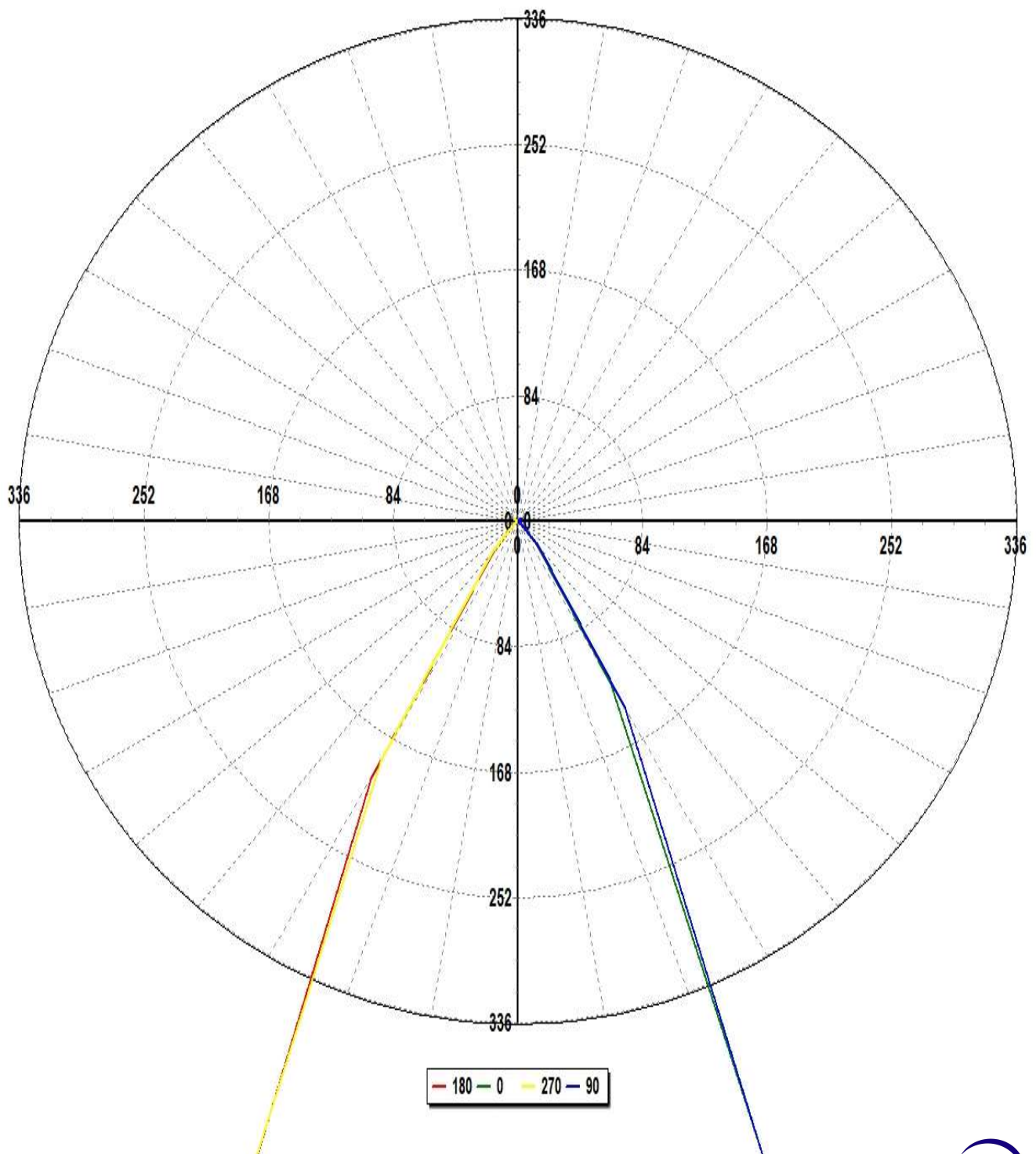
Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

Luminous Intensity Distribution (Lowest 10%)



Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

Luminous Intensity Data

Maximum (cd) : 1569

Minimum (cd) : -1

G/C	0	30	60	90	120	150	180	210	240	270
0	1568.9	1564.1	1561.39	1561.35	1553.85	1562.59	1568.9	1564.1	1561.39	1561.35
10	1161.06	1069.39	1155.84	1160.33	1183.47	1164.83	1274.49	1397.42	1273.36	1374.7
20	344.89	334.5	351.54	306.45	382.98	310.06	386.89	458.18	379.17	438.55
30	58.14	56.75	63.66	66.95	74.27	72.4	91.68	95.36	89.67	85.25
40	8.63	8.56	9.62	9.88	9.98	8.7	12.09	12.94	12.02	12.25
50	1.52	1.33	1.39	1.33	1.41	1.35	1.81	1.65	1.73	1.79
60	0.41	0.5	0.26	0.68	0.6	0.83	0.43	0.18	0.39	0.93
70	-0.14	0.67	0.61	0.06	-0.15	0.59	-0.44	-0.43	-0.18	0.42
80	0.48	-0.13	-0.06	-0.17	0.36	-0.2	0.37	-0.09	0.42	0.55
90	-0.11	-0.32	0.43	-0.05	-0.34	0.13	-0.23	-0.58	0.07	0.53
100	0.16	-0.35	-0.04	0.69	-0.17	-0.26	0.17	-0.19	-0.73	-0.38
110	0.23	0.09	0.2	-0.23	-0.05	1.18	0.07	-0.62	-0.17	0.36
120	0.99	0.47	0.31	0.34	0.56	0.75	0.5	0.03	0.53	0.4
130	1.42	2.1	1.15	1.57	1.04	1.51	1.05	0.98	1.2	1.7

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

Luminous Intensity Data (Continued)

Maximum (cd) : 1569

Minimum (cd) : -1

G/C	300	330	360
0	1553.85	1562.59	1568.9
10	1239.28	1365.15	1161.06
20	355.17	445.15	344.89
30	75.87	77.8	58.14
40	10.74	11.94	8.63
50	0.72	1.64	1.52
60	0.37	-0.11	0.41
70	-0.46	0.21	-0.14
80	0.2	0.38	0.48
90	-0.06	-0.2	-0.11
100	-0.27	0.1	0.16
110	0.38	-0.07	0.23
120	0.33	0.36	0.99
130	1.02	1.05	1.42

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

Luminous Flux Table

Total Lamp Lumens: 464.25

Luminaire Efficiency (lm/W): 83.09

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	37.35	37.35	8.05	8.04
10	234.87	272.21	58.64	58.64
20	140.27	412.48	88.86	88.85
30	41.43	453.91	97.78	97.77
40	7.47	461.38	99.39	99.38
50	1.23	462.62	99.66	99.65
60	0.43	463.05	99.75	99.74
70	0.07	463.11	99.77	99.76
80	0.19	463.30	99.81	99.80
90	-0.07	463.24	99.79	99.78
100	-0.12	463.12	99.77	99.76
110	0.12	463.24	99.79	99.78
120	0.44	463.68	99.89	99.88
130	0.57	464.25	100.01	100.00

Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 23.967

Report

230608

Lamp flux (lm) 464

Current (A) 0.23313

Filename 230608 MSP6 30K 24도.jdt

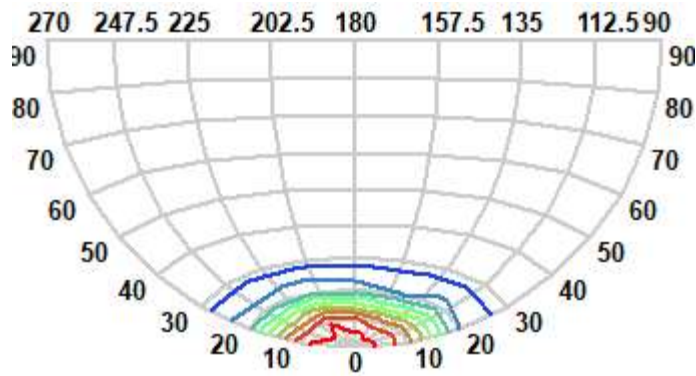
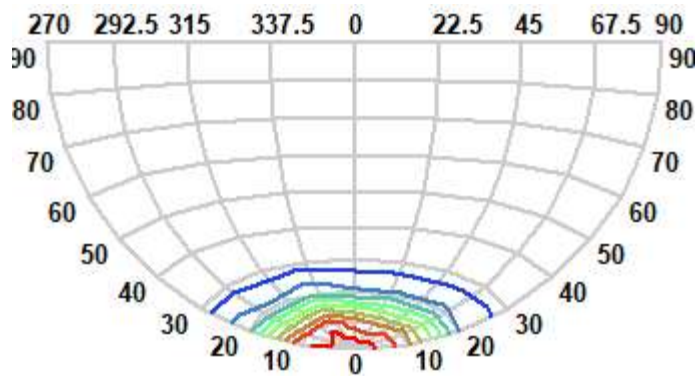
Total flux (lm) 464

Power Factor 1

Operator

Date 2023-06-08 오전 10:15:30

IsoCandela (Type C)



-1 ~ 156	784 ~ 941
156 ~ 313	941 ~ 1098
313 ~ 470	1098 ~ 1255
470 ~ 627	1255 ~ 1412
627 ~ 784	1412 ~ 1569

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

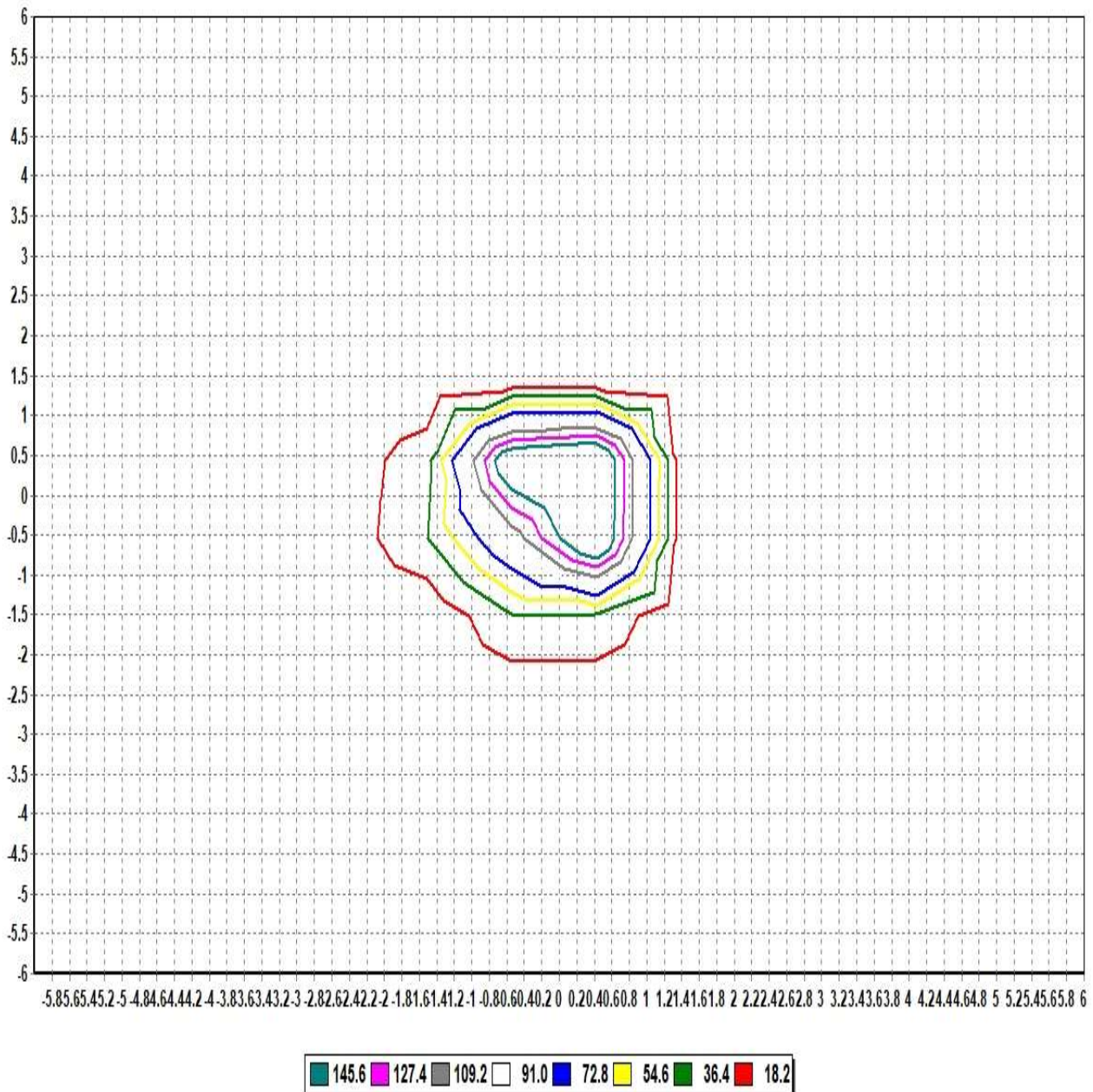
Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V) 23.967

Filename 230608 MSP6 30K 24도.jdt

Lamp flux (lm) 464

Current (A) 0.23313

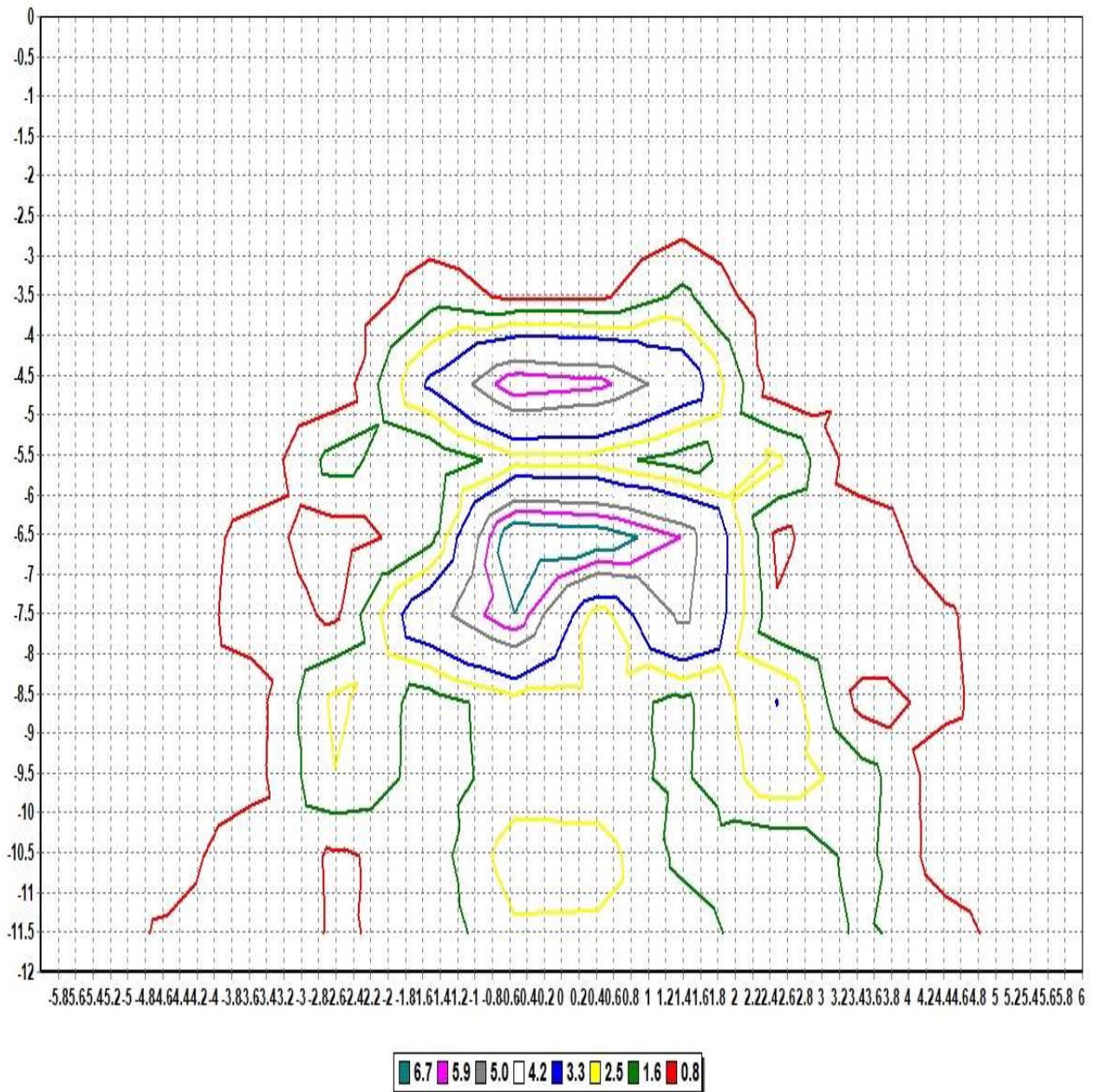
Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 10:15:30

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)	23.967
Lamp flux (lm)	464	Current (A)	0.23313
Total flux (lm)	464	Power Factor	1

Report	230608
Filename	230608 MSP6 30K 24도.jdt
Operator	
Date	2023-06-08 오전 10:15:30

Illuminance Levels (Ground)

6.00	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
5.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.00	0.00
3.00	0.00	0.01	0.02	0.02	0.21	0.07	0.12	0.06	0.20	0.01	0.02	0.00	0.00
2.00	0.00	0.01	0.01	0.19	0.20	0.77	2.11	0.66	0.18	0.19	0.01	0.01	0.00
1.00	0.00	0.02	0.02	0.07	0.77	12.89	128.13	11.82	0.65	0.07	0.01	0.02	0.00
0.00	0.00	0.02	0.02	0.16	2.83	140.92	215.21	128.35	1.84	0.12	0.02	0.02	0.00
-1.00	0.00	0.02	0.02	0.08	0.99	16.31	152.08	14.79	0.83	0.06	0.01	0.02	0.00
-2.00	0.00	0.01	0.01	0.26	0.26	0.99	2.68	0.84	0.23	0.25	0.01	0.01	0.00
-3.00	0.00	0.00	0.02	0.01	0.26	0.08	0.16	0.06	0.26	0.02	0.02	0.00	0.00
-4.00	0.00	0.00	0.01	0.02	0.01	0.02	0.03	0.02	0.01	0.02	0.01	0.00	0.00
-5.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00
-6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
-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.) : 215.21

Illum. (Min.) : -0.0023

Illum. (Avg.) : 4.9781

All illuminance level values are in lux.



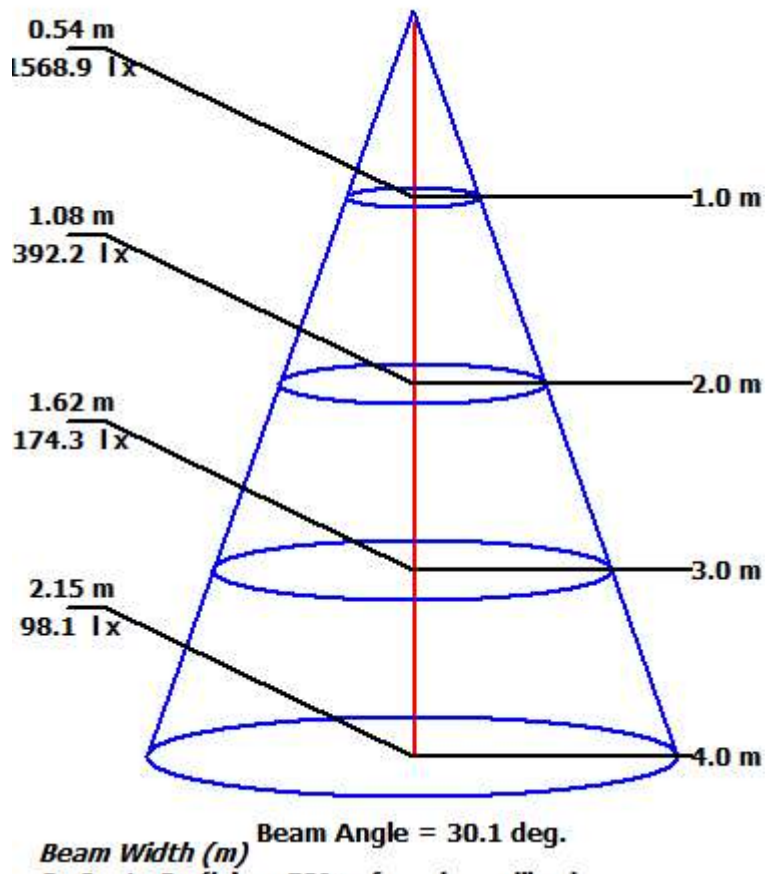
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.967
Lamp flux (lm)	464	Current (A)	0.23313
Total flux (lm)	464	Power Factor	1

Report 230608
 Filename 230608 MSP6 30K 24도.jdt
 Operator
 Date 2023-06-08 오전 10:15:30

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

No. of lamps 1 Voltage (V) 23.967

Lamp flux (lm) 464 Current (A) 0.23313

Total flux (lm) 464 Power Factor 1

Report 230608

Filename 230608 MSP6 30K 24도.jdt

Operator

Date 2023-06-08 오전 10:15:30

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