

# 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 15도

**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		0.4352 , 0.4073	
Correlated Color Temperature	K	3056	
Ra		92.68	
Power Factor		1.000	
Input Voltage	V	23.967	
Input Current	A	0.235	
Input Watt	W	5.6334	
Lamp Flux	lm	463.5	
Efficient	lm/W	82.28	
luminous Intensity (Max , Center)	cd	1876 , 1876	
Illuminance	lx	1876	1 m
		469	2 m
		208	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 15도.jdt

Lamp flux (lm) 464

Current (A) 0.23505

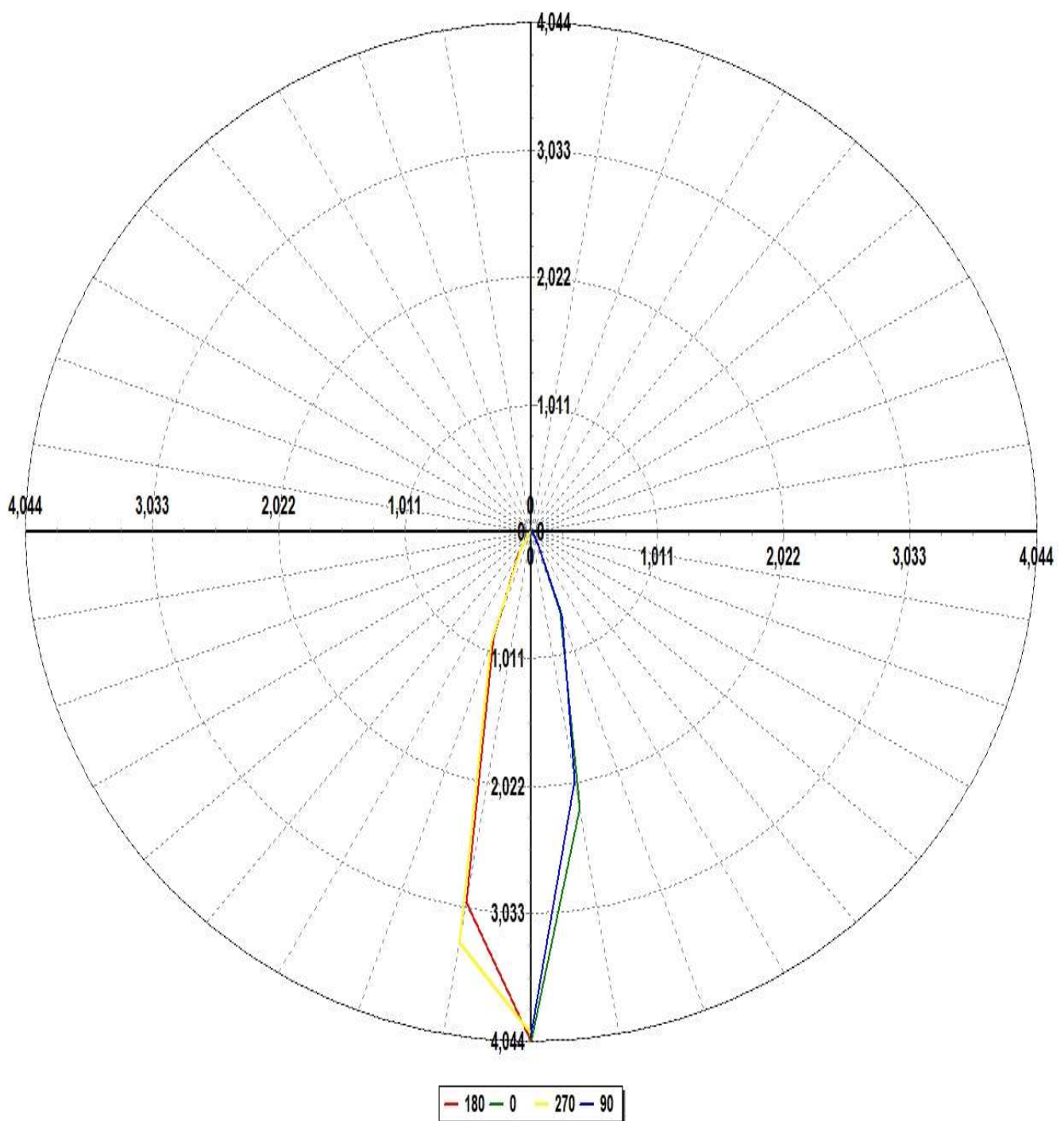
Operator

Total flux (lm) 464

Power Factor 1

Date 2023-06-08 오전 9:56:40

## Luminous Intensity Distribution



Luminaire KH FEELUX

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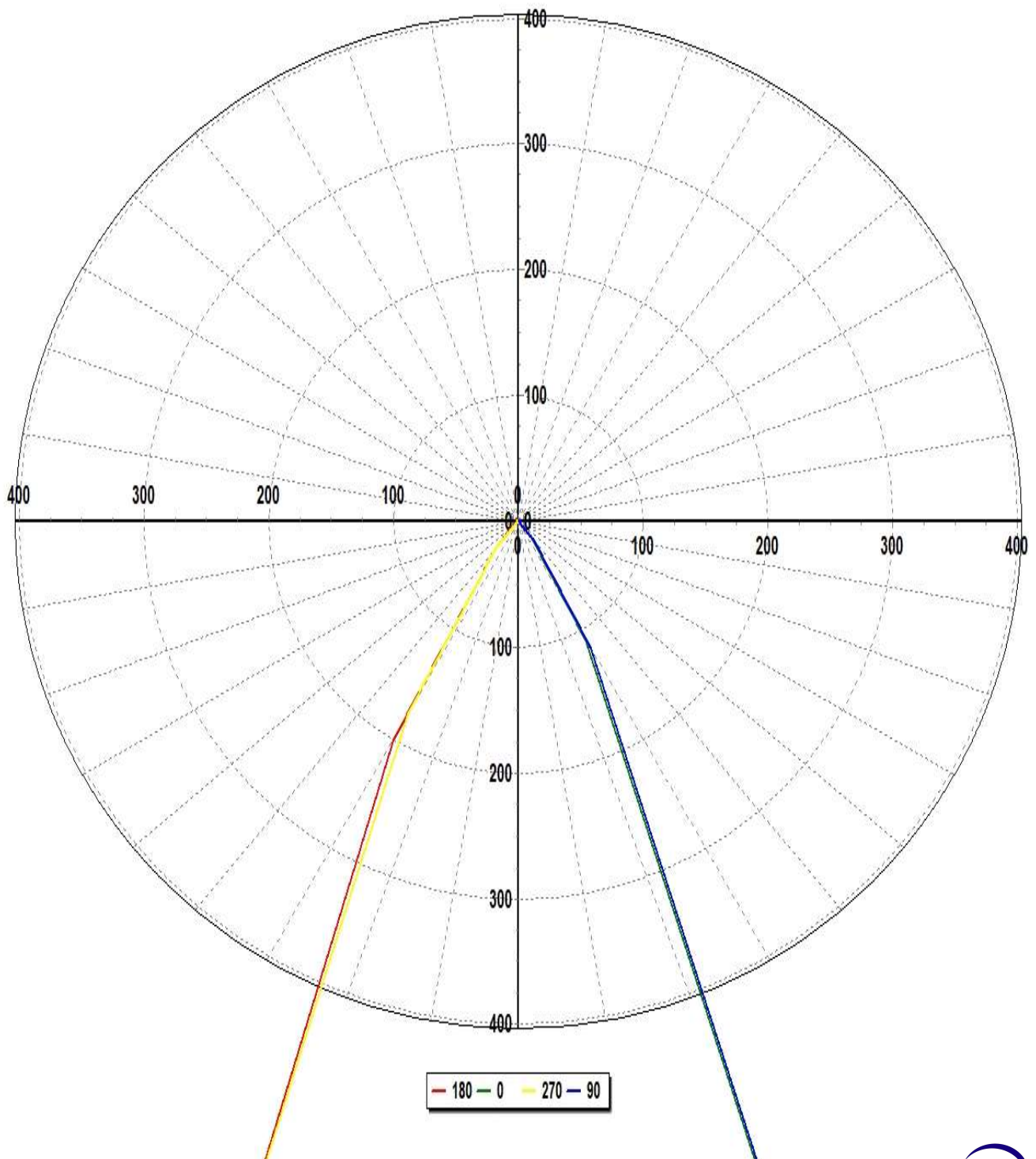
Operator

Total flux (lm) 464

Power Factor 1

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## Luminous Intensity Distribution (Lowest 10%)



Total Optical Solution Provider

Luminaire KH FEELUX

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## Luminous Intensity Data

Maximum (cd) : 1876

Minimum (cd) : -1

G/C	0	30	60	90	120	150	180	210	240	270
0	1875.78	1849.53	1861.25	1844.68	1842.93	1859.66	1875.78	1849.53	1861.25	1844.68
10	1031.37	875.73	1015.51	929.46	1131.82	1032.05	1382.77	1609.05	1370.73	1537.52
20	314.92	302.25	317.17	328.44	360.22	364.11	408.93	474.08	399.41	434.57
30	50.02	46.77	51.4	53.73	62.57	63.92	92.82	96.13	87.99	81.73
40	7.55	7.34	7.81	8.62	9.21	10.07	12.65	13.73	12.48	12.54
50	1.33	1.5	1.64	1.33	1.28	1.51	2.04	2.33	1.63	1.5
60	0.88	-0.31	0.78	0.48	0.59	0.34	0.92	0.49	0.34	0.62
70	0.59	0.15	0.52	-0.1	0.3	0.18	0.73	-0.01	0.01	-0.24
80	-0.22	-0.27	0.57	-0.83	0.1	0.07	0.1	0.17	-0.16	-0.02
90	-0.34	0.4	0.26	-0.27	0.09	0.21	0.19	0.04	0.08	0.13
100	0.53	0.34	-0.03	-0.21	0.66	-0.16	0.33	0.35	0.28	-0.18
110	0.19	0.54	-0.26	-0.14	0.05	-0.05	0.46	0.17	-0.3	0.17
120	-0.07	0.09	0.91	0.44	-0.18	0.56	-0.38	0.48	0.08	0.32
130	0.72	0.85	0.98	1.03	0.7	1.32	1.38	0.95	1.68	1

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## Luminous Intensity Data (Continued)

Maximum (cd) : 1876

Minimum (cd) : -1

G/C	300	330	360
0	1842.93	1859.66	1875.78
10	1252.51	1471.33	1031.37
20	352.24	395.29	314.92
30	72.48	71.43	50.02
40	11.04	10.08	7.55
50	1.14	2.67	1.33
60	0.01	0.32	0.88
70	0	0.1	0.59
80	-0.05	0.31	-0.22
90	0	0.14	-0.34
100	0.46	-0.05	0.53
110	0.24	0.25	0.19
120	-0.16	0.29	-0.07
130	0.59	0.98	0.72

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## Luminous Flux Table

Total Lamp Lumens: 463.52

Luminaire Efficiency (lm/W): 82.28

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	44.37	44.37	9.57	9.57
10	232.02	276.39	59.63	59.63
20	138.96	415.35	89.61	89.61
30	37.92	453.27	97.79	97.79
40	7.22	460.50	99.35	99.35
50	1.39	461.89	99.65	99.65
60	0.43	462.32	99.75	99.74
70	0.19	462.51	99.79	99.78
80	-0.02	462.49	99.78	99.78
90	0.08	462.57	99.80	99.80
100	0.21	462.78	99.85	99.84
110	0.11	462.89	99.87	99.86
120	0.19	463.08	99.91	99.90
130	0.44	463.52	100.01	100.00

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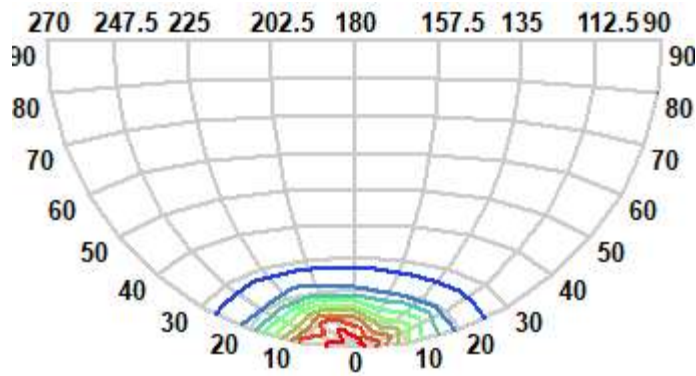
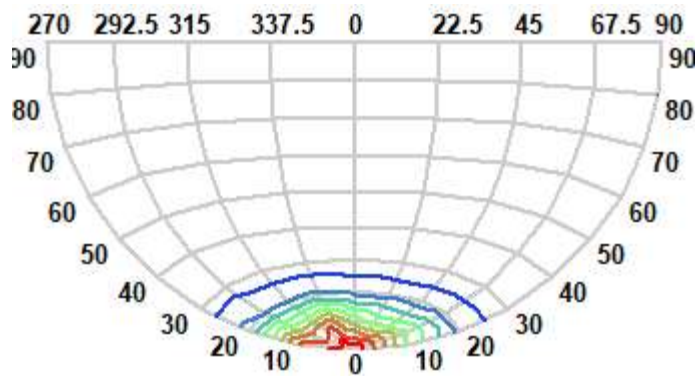
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## IsoCandela (Type C)



-1 ~ 187	937 ~ 1125
187 ~ 374	1125 ~ 1313
374 ~ 562	1313 ~ 1500
562 ~ 750	1500 ~ 1688
750 ~ 937	1688 ~ 1876



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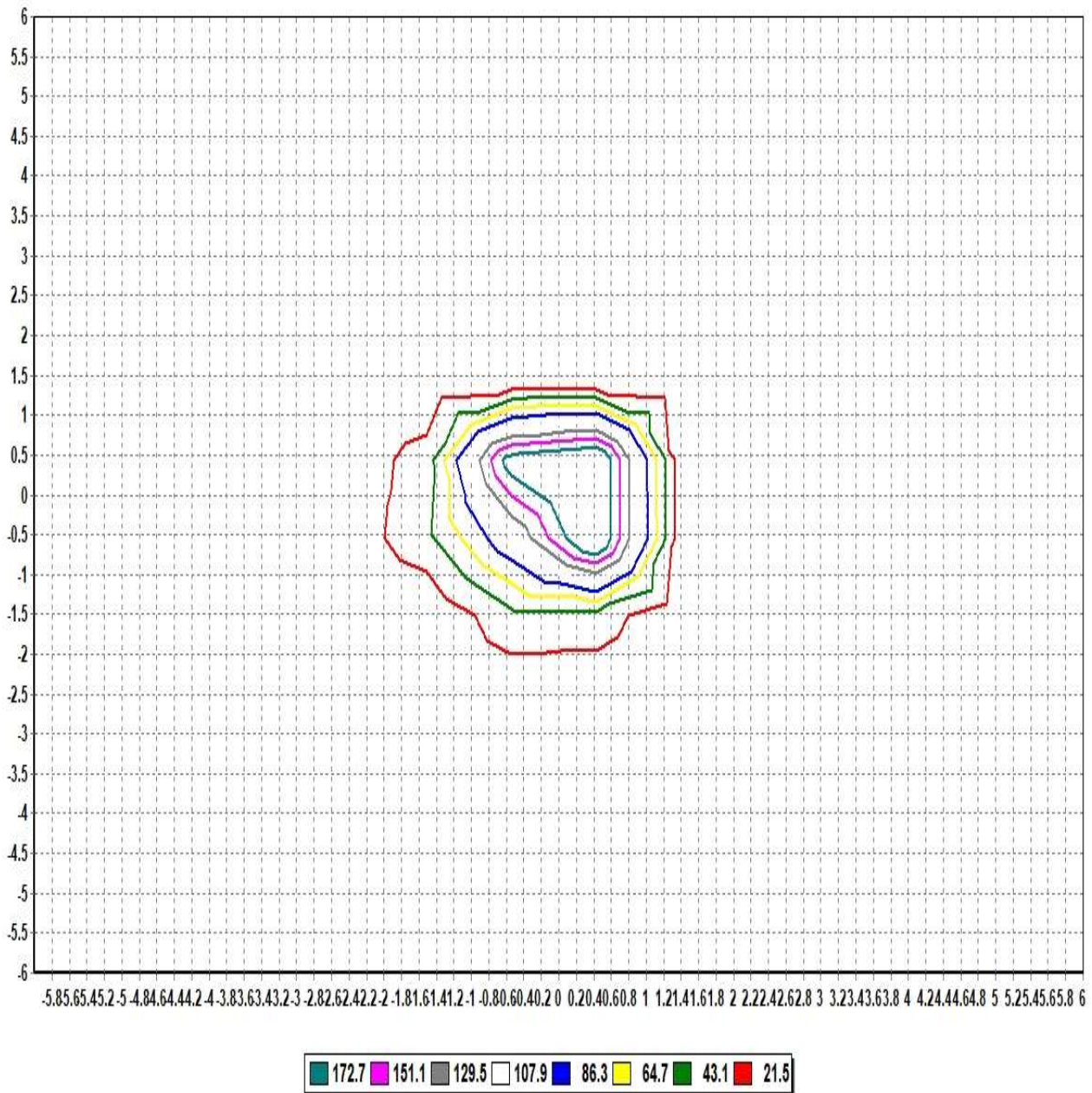
Operator

Total flux (lm) 464

Power Factor 1

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## 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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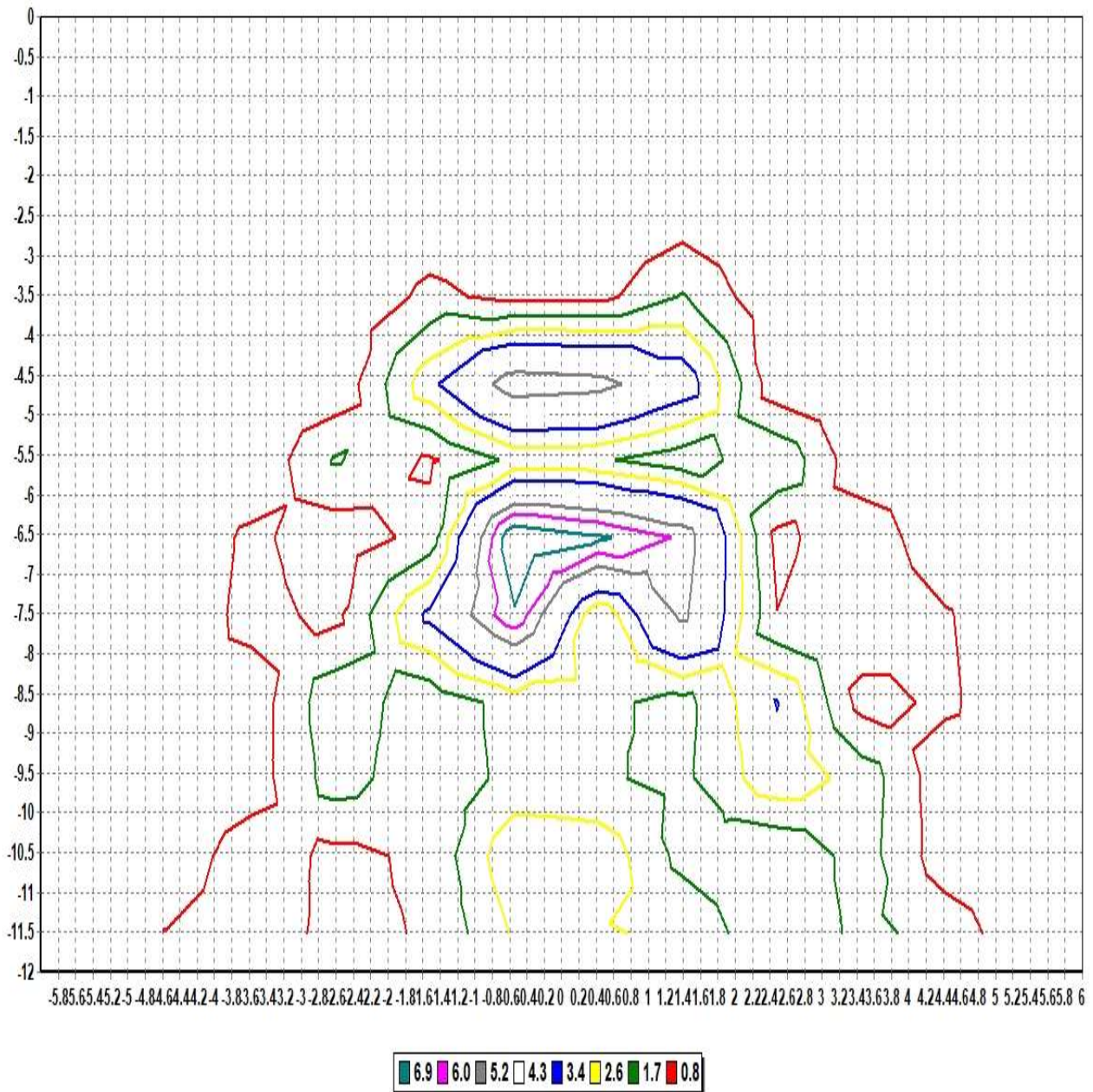
Operator

Total flux (lm) 464

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)	23.967
Lamp flux (lm)	464	Current (A)	0.23505
Total flux (lm)	464	Power Factor	1

Report	230608
Filename	230608 MSP6 30K 15도.jdt
Operator	
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## 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	0.01	0.00	0.00	0.00
4.00	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.02	0.00	0.02	0.01	0.00	0.00
3.00	0.00	0.00	0.02	0.02	0.19	0.06	0.11	0.07	0.17	0.01	0.02	0.01	0.00
2.00	0.00	0.01	0.01	0.21	0.18	0.69	1.73	0.56	0.16	0.16	0.00	0.01	0.00
1.00	0.01	0.02	0.02	0.07	0.71	11.97	102.94	10.46	0.55	0.06	0.02	0.03	0.00
0.00	0.01	0.03	0.03	0.17	2.88	152.86	257.31	114.05	1.59	0.11	0.03	0.02	0.01
-1.00	0.00	0.02	0.02	0.10	1.04	16.80	169.89	14.46	0.83	0.08	0.02	0.02	0.00
-2.00	0.00	0.02	0.01	0.28	0.28	1.04	2.60	0.85	0.23	0.23	0.00	0.01	0.00
-3.00	0.00	0.01	0.03	0.02	0.27	0.10	0.15	0.07	0.26	0.01	0.03	0.00	0.00
-4.00	0.00	0.00	0.02	0.02	0.01	0.02	0.02	0.02	0.00	0.02	0.01	0.00	0.00
-5.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00
-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
-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.) : 257.31

Illum. (Min.) : -0.0010

Illum. (Avg.) : 5.1522

All illuminance level values are in lux.



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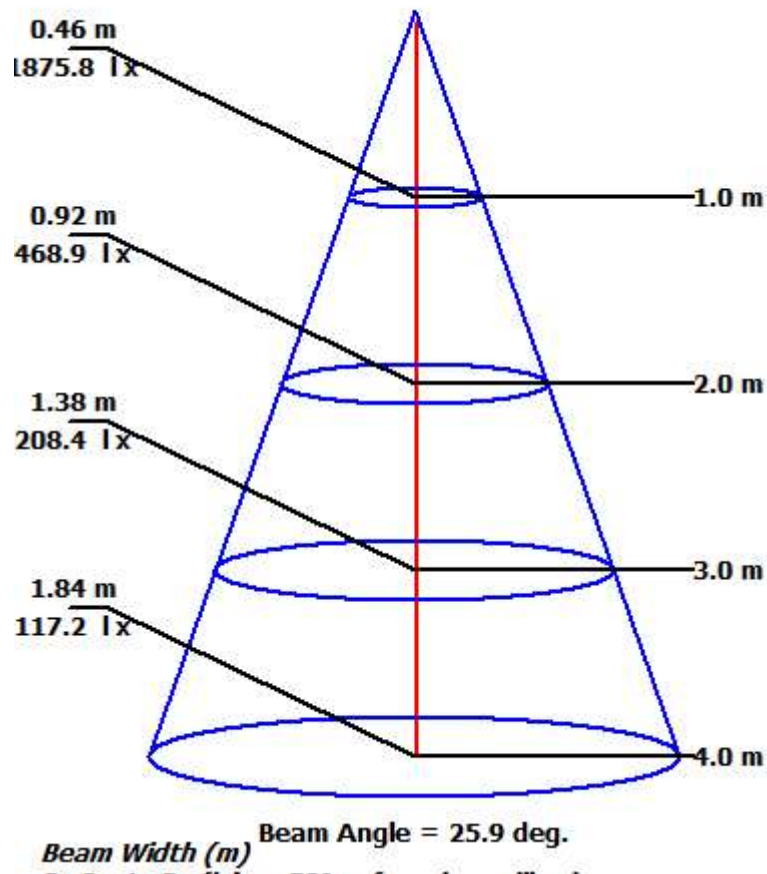
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## Illuminance Cone Diagram





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Operator

Total flux (lm) 464 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