

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 230608

2. Purpose of Report :**3. Number of Report :** 230608**4. Test Standard / Item :** / 230608 MSP6 30K 60도**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 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
230608			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4392 , 0.4073	
Correlated Color Temperature	K	2990	
Ra		92.71	
Power Factor		1.000	
Input Voltage	V	23.968	
Input Current	A	0.234	
Input Watt	W	5.6179	
Lamp Flux	lm	438.9	
Efficient	lm/W	78.13	
luminous Intensity (Max , Center)	cd	657 , 657	
Illuminance	lx	657	1 m
		164	2 m
		73	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) 23.968

Filename 230608 MSP6 30K 60도.jdt

Lamp flux (lm) 439

Current (A) 0.23439

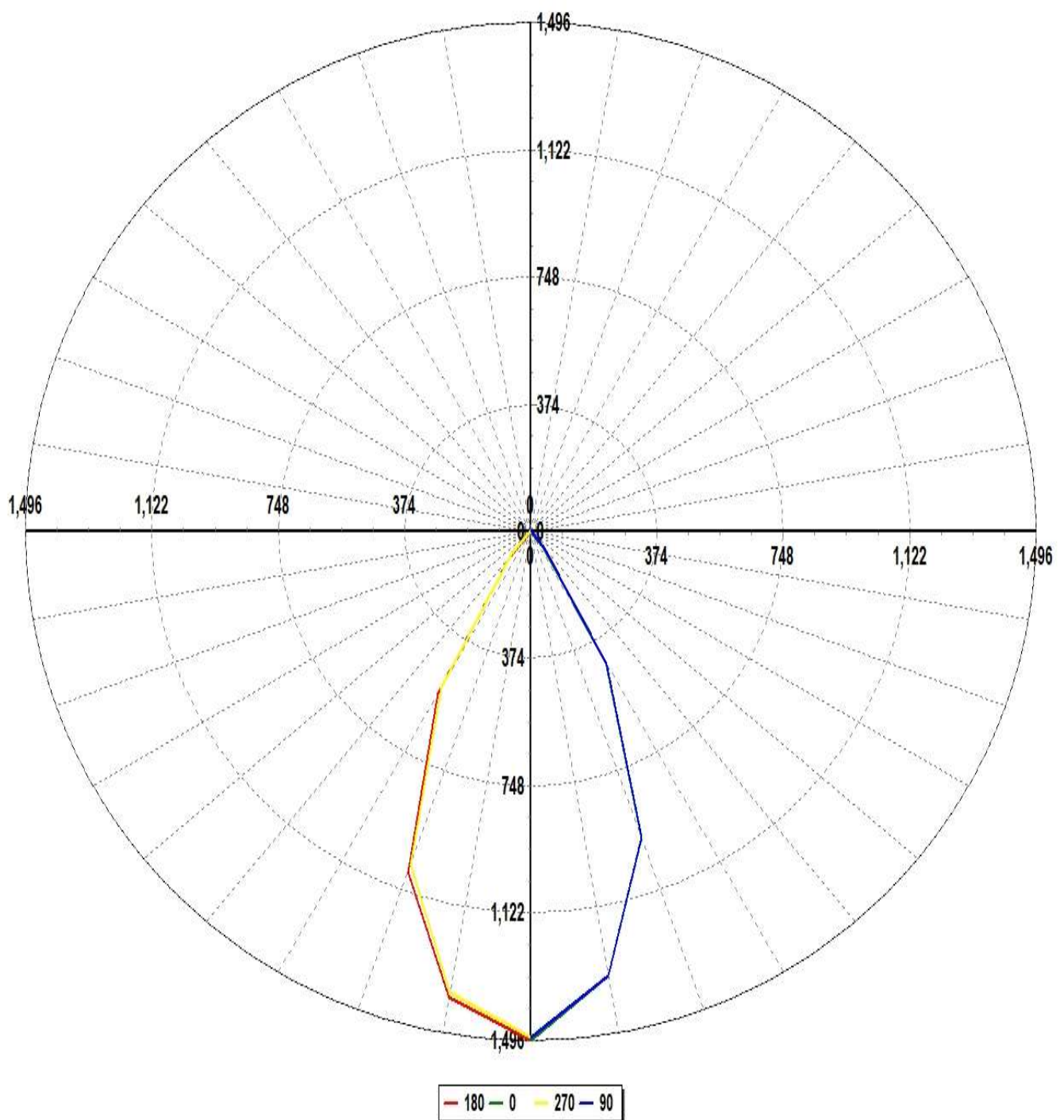
Operator

Total flux (lm) 439

Power Factor 1

Date 2023-06-08 오전 10:42:21

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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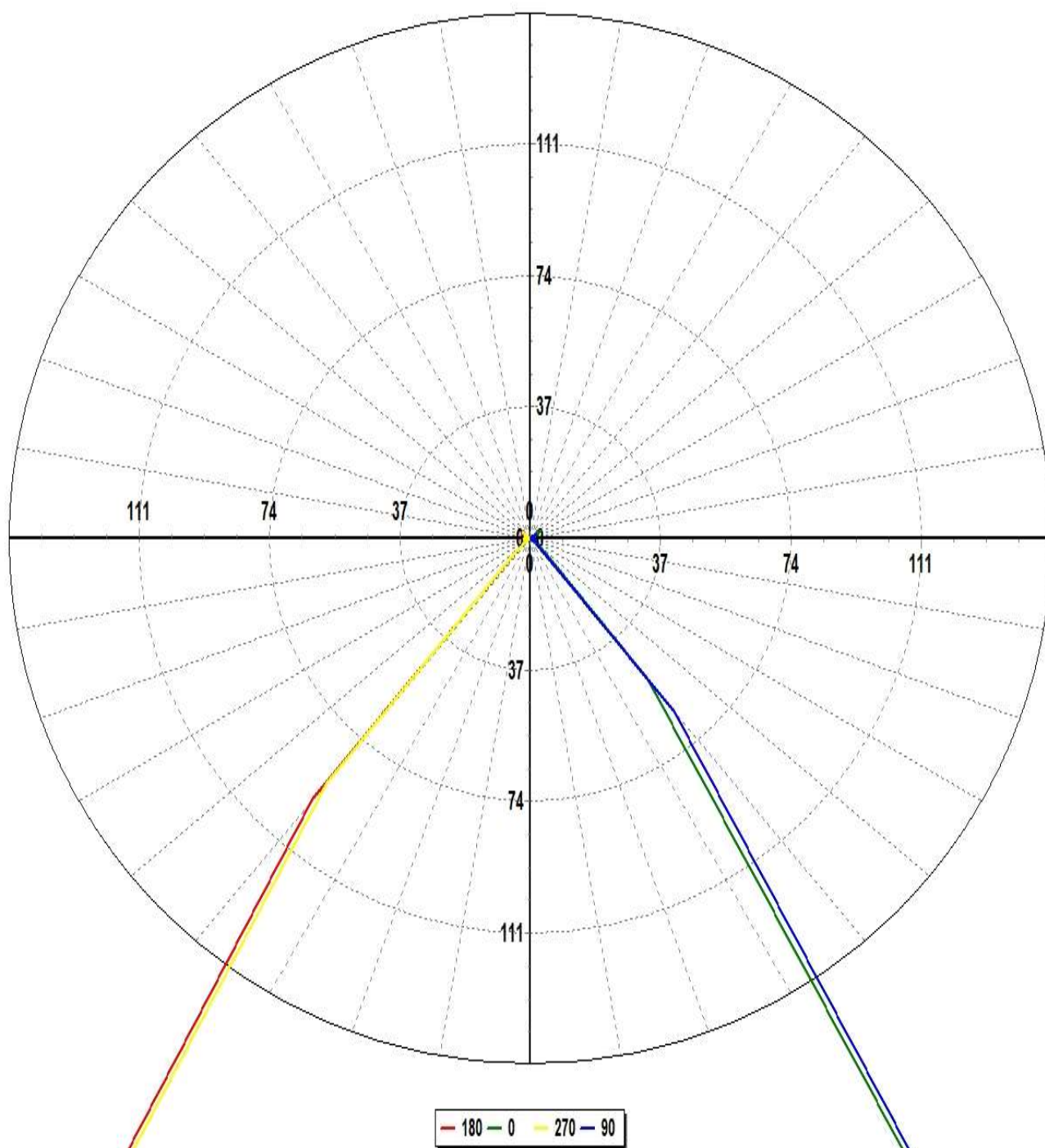
Operator

Total flux (lm) 439

Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



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Luminous Intensity Data

Maximum (cd) : 657

Minimum (cd) : -1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	656.86	654.85	654.12	652.97	653.64	652.89	656.86	654.85	654.12	652.97	653.64
10	582.87	577.99	580.28	581.95	587.2	586.14	610.86	610.3	606.62	603.47	596.78
20	422.04	415.77	417.82	420.2	429.7	426.39	467.77	469.69	462.89	457.11	448.21
30	194.64	187.64	193.7	197.87	207.46	201.07	240.96	243.78	235.13	232.78	221.82
40	22.62	23.65	27.65	27.99	32.62	28.7	42.14	43.64	39.82	39.42	35.51
50	2.02	1.59	1.6	1.17	1.98	1.74	2.05	2.53	2.79	2.33	2.09
60	0.22	0.55	0.63	0.94	0.44	0.33	0.42	0.09	-0.01	0.34	0.38
70	-0.02	0.57	0.26	-0.43	-0.11	0.1	0.19	0.34	0.08	-0.06	-0.13
80	0.23	0.04	0.66	0.52	-0.33	0.23	-0.06	0.13	-0.43	0.86	0.3
90	0.2	0.03	0.07	-0.87	0.69	-0.29	0.49	0.62	0.56	0.8	-0.01
100	-0.54	0.11	-0.27	0.01	0.57	-0.25	0.17	-0.37	0.21	0.36	0.17
110	0.33	0.49	0.16	0.4	-0.15	0.6	-0.07	0.45	-0.12	0.25	-0.14
120	0.46	0.57	0.79	0.15	0.38	0.75	1.18	0.47	1.02	0.43	0.03
130	1.65	1.82	1.3	1.01	0.9	0.96	1.28	1.1	0.93	1.22	1.31

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Luminous Intensity Data (Continued)

Maximum (cd) : 657

Minimum (cd) : -1

G/C	330	360
0	652.89	656.86
10	597.42	582.87
20	452.5	422.04
30	226.04	194.64
40	38.64	22.62
50	2.25	2.02
60	0.15	0.22
70	-0.03	-0.02
80	0.41	0.23
90	0.4	0.2
100	-0.12	-0.54
110	0.02	0.33
120	0.09	0.46
130	1.6	1.65

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Luminous Flux Table

Total Lamp Lumens: 438.95

Luminaire Efficiency (lm/W): 78.13

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	15.64	15.64	3.56	3.56
10	112.87	128.51	29.28	29.28
20	165.13	293.65	66.91	66.90
30	117.87	411.52	93.76	93.75
40	23.61	435.13	99.14	99.13
50	1.69	436.82	99.53	99.51
60	0.35	437.17	99.61	99.59
70	0.06	437.23	99.62	99.61
80	0.23	437.46	99.67	99.66
90	0.25	437.71	99.73	99.72
100	0.00	437.71	99.73	99.72
110	0.19	437.90	99.77	99.76
120	0.50	438.40	99.89	99.88
130	0.55	438.95	100.01	100.00

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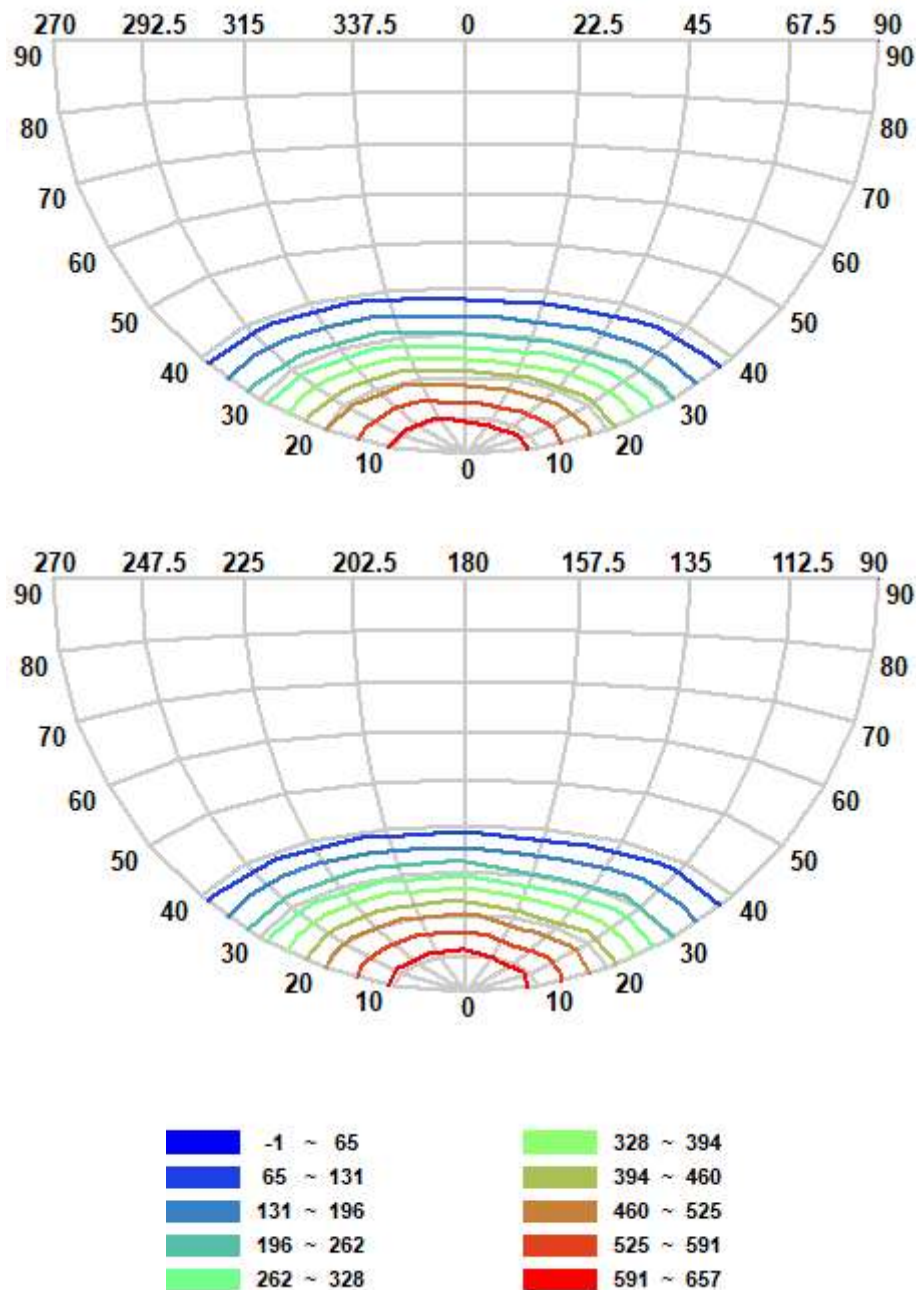
Operator

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IsoCandela (Type C)



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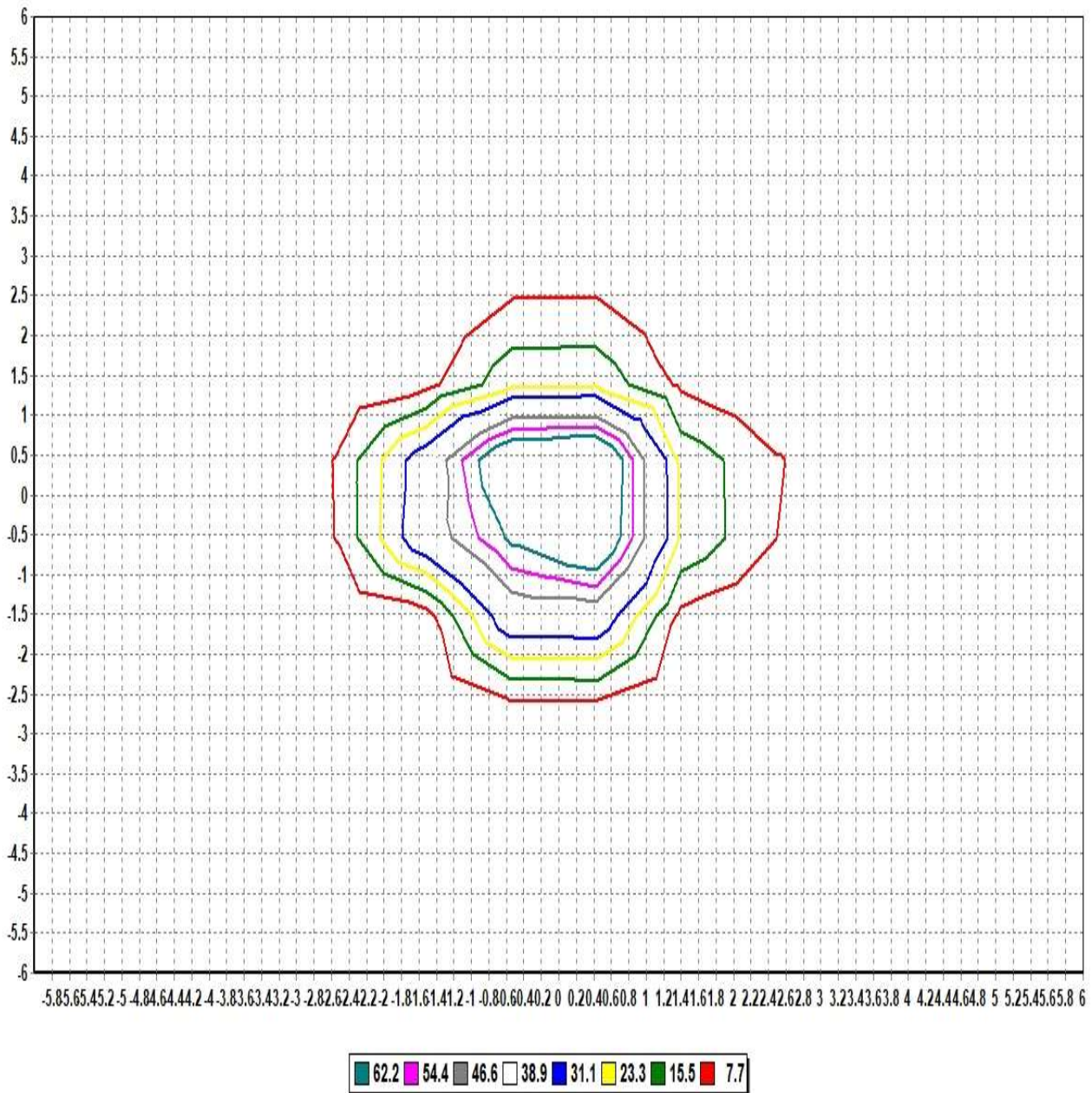
Operator

Total flux (lm) 439

Power Factor 1

Date 2023-06-08 오전 10:42:21

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.968
Lamp flux (lm)	439	Current (A)	0.23439
Total flux (lm)	439	Power Factor	1

Report

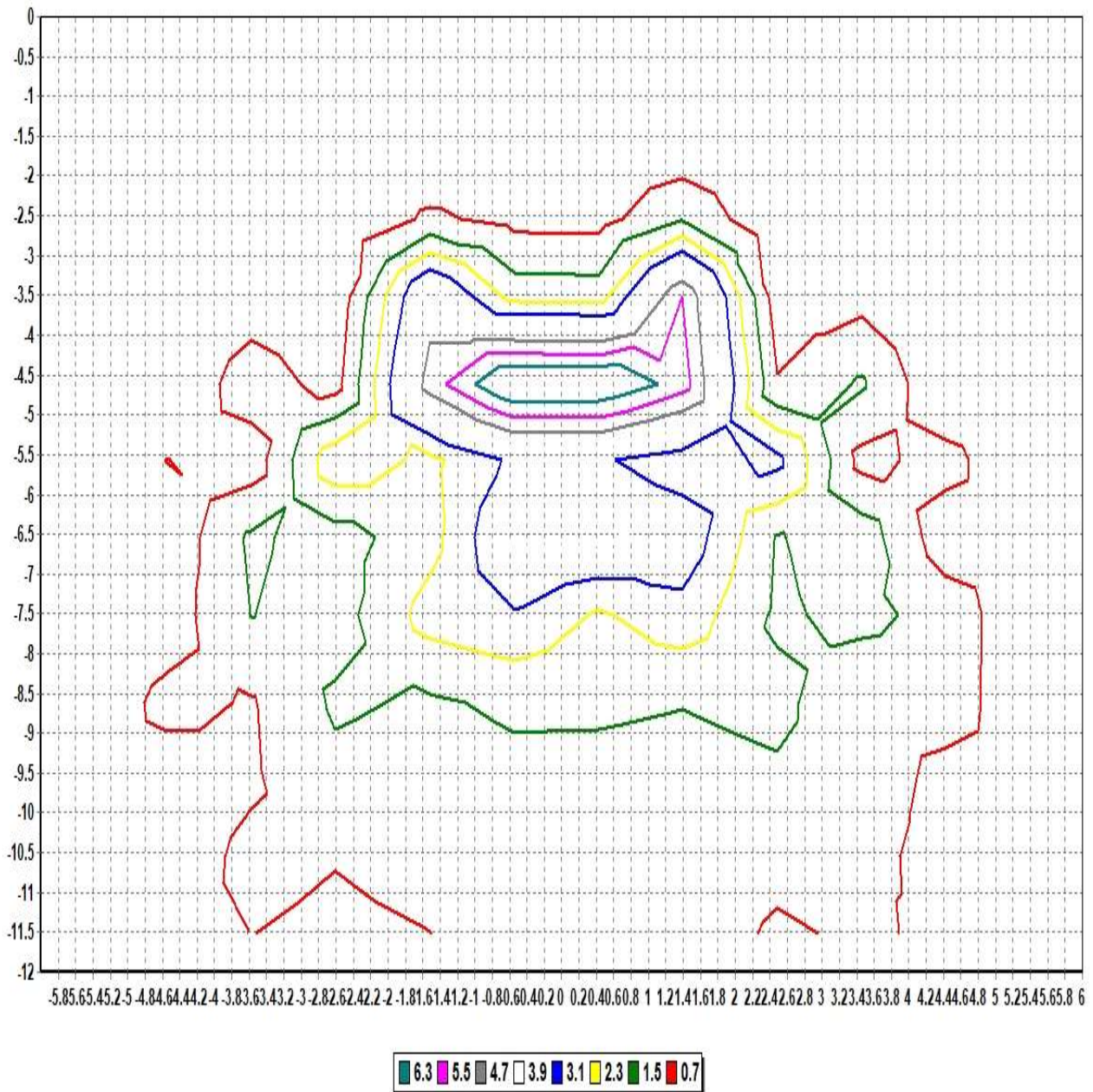
230608

Filename 230608 MSP6 30K 60도.jdt

Operator

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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)	23.968
Lamp flux (lm)	439	Current (A)	0.23439
Total flux (lm)	439	Power Factor	1

Report 230608

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Operator

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Illuminance Levels (Ground)

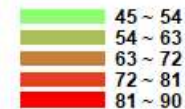
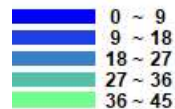
6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00
4.00	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.02	0.01	0.00	0.00
3.00	0.00	0.00	0.02	0.02	0.59	0.12	0.27	0.10	0.56	0.02	0.02	0.00	0.00
2.00	0.00	0.02	0.01	0.61	0.55	2.41	6.19	1.89	0.43	0.48	0.01	0.02	0.00
1.00	0.00	0.02	0.02	0.12	2.42	24.32	65.24	23.34	1.86	0.11	0.02	0.02	0.00
0.00	0.00	0.03	0.03	0.41	7.91	68.58	90.10	65.34	5.86	0.25	0.02	0.03	0.00
-1.00	0.00	0.02	0.02	0.16	3.19	28.19	67.73	26.74	2.68	0.14	0.02	0.02	0.00
-2.00	0.00	0.02	0.01	0.87	0.78	3.17	7.58	2.69	0.68	0.79	0.01	0.02	0.00
-3.00	0.00	0.00	0.03	0.02	0.84	0.17	0.40	0.15	0.81	0.02	0.03	0.00	0.00
-4.00	0.00	0.00	0.02	0.03	0.01	0.02	0.03	0.02	0.01	0.03	0.02	0.00	0.00
-5.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03	0.03	0.02	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.) : 90.104

Illum. (Min.) : -0.0019

Illum. (Avg.) : 3.0711

All illuminance level values are in lux.



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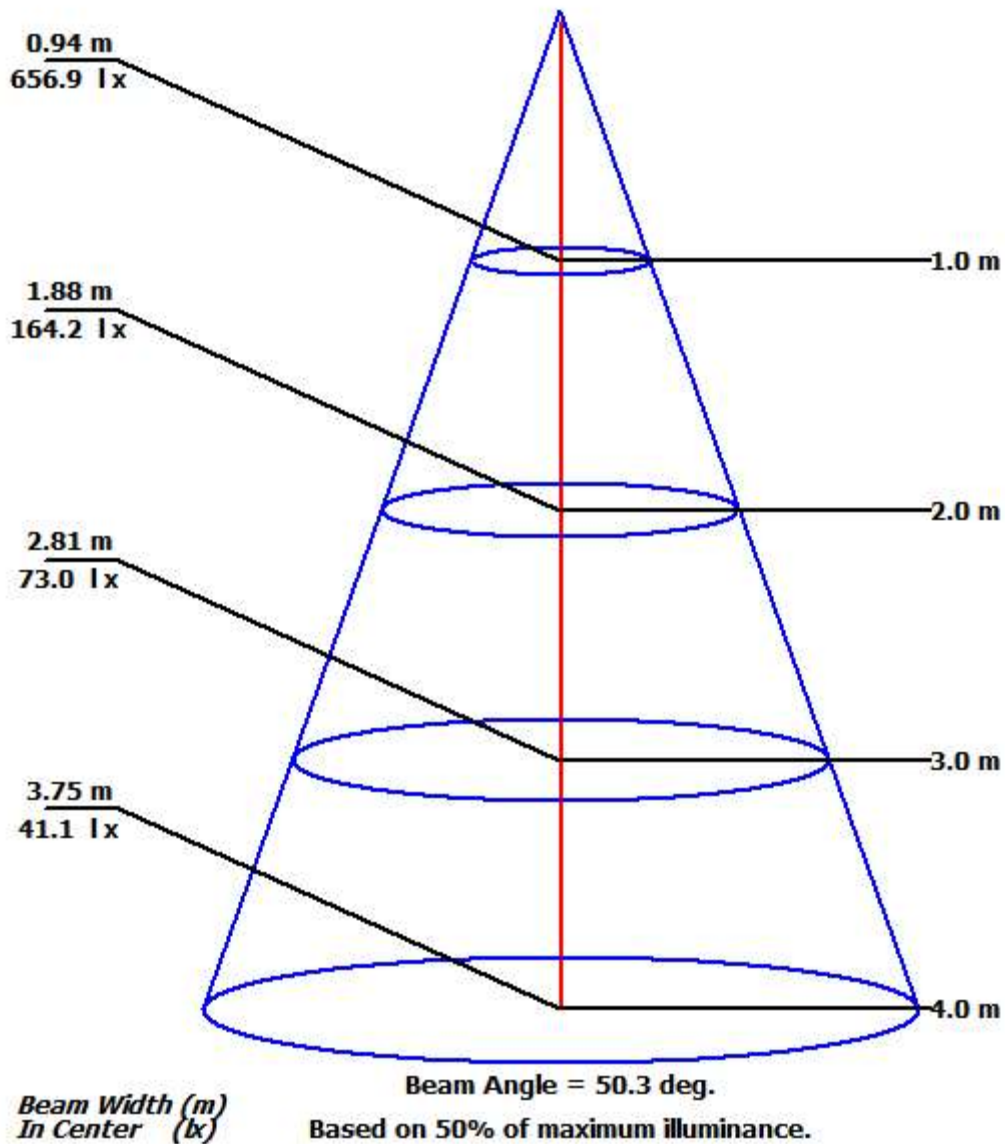
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Illuminance Cone Diagram



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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