

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 2306014

2. Purpose of Report :**3. Number of Report :** 230614**4. Test Standard / Item :** / 230614 FNL3D 65K C90 1m 20도**5. Test Period :** 230614 ~ 230614**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
230614			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3153 , 0.3285	
Correlated Color Temperature	K	6370	
Ra		92.51	
Power Factor		1.000	
Input Voltage	V	23.904	
Input Current	A	0.775	
Input Watt	W	18.524	
Lamp Flux	lm	1525.4	
Efficient	lm/W	82.35	
luminous Intensity (Max , Center)	cd	3494 , 3494	
Illuminance	lx	3494	1 m
		874	2 m
		388	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

230614

No. of lamps 1

Voltage (V) 23.904

Filename 230614 FNL3D 65K C90 1m 20도.jdt

Lamp flux (lm) 1525

Current (A) 0.7749

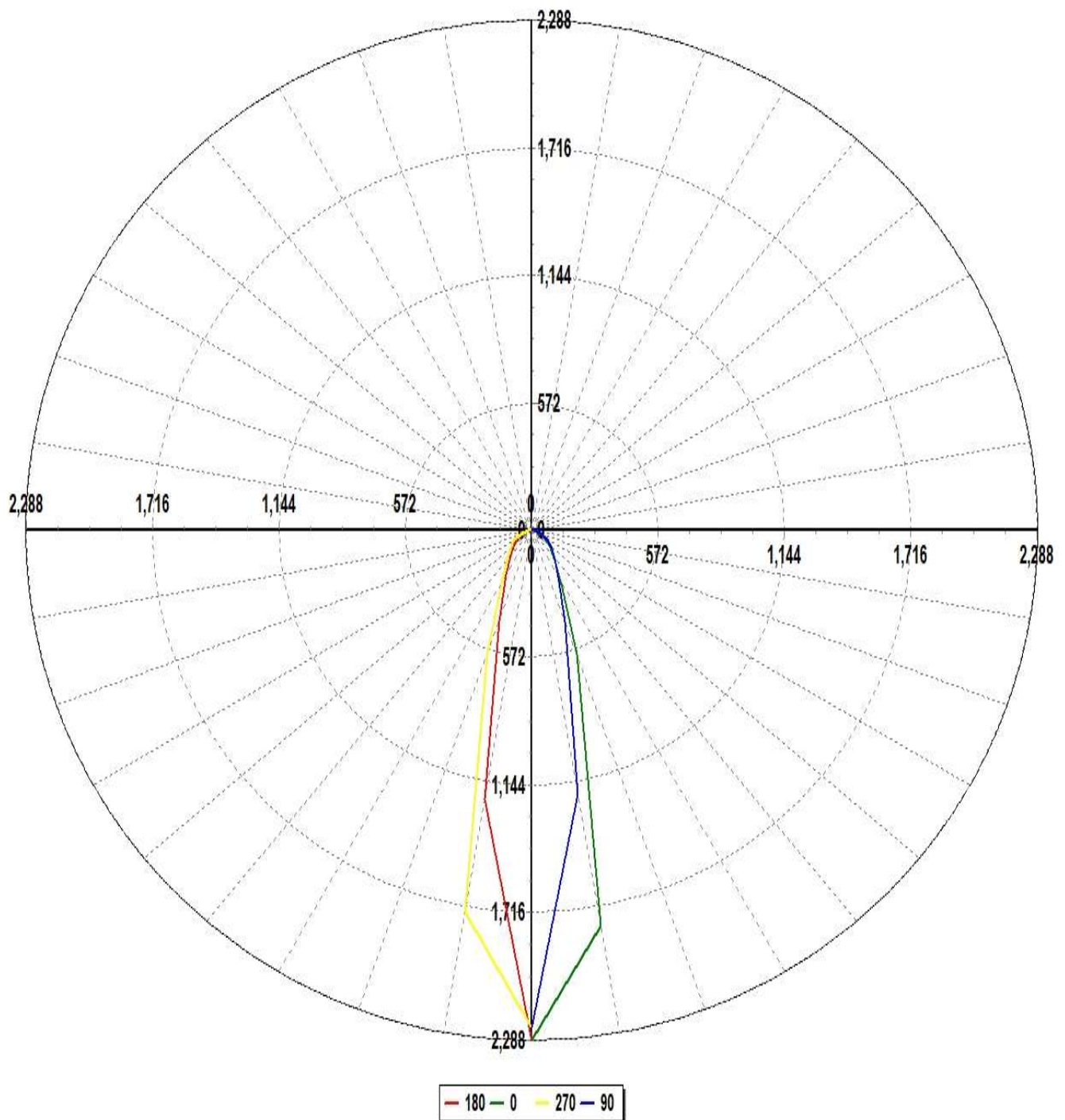
Operator

Total flux (lm) 1525

Power Factor 1

Date 2023-06-14 오후 7:13:01

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230614

No. of lamps 1

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Current (A) 0.7749

Operator

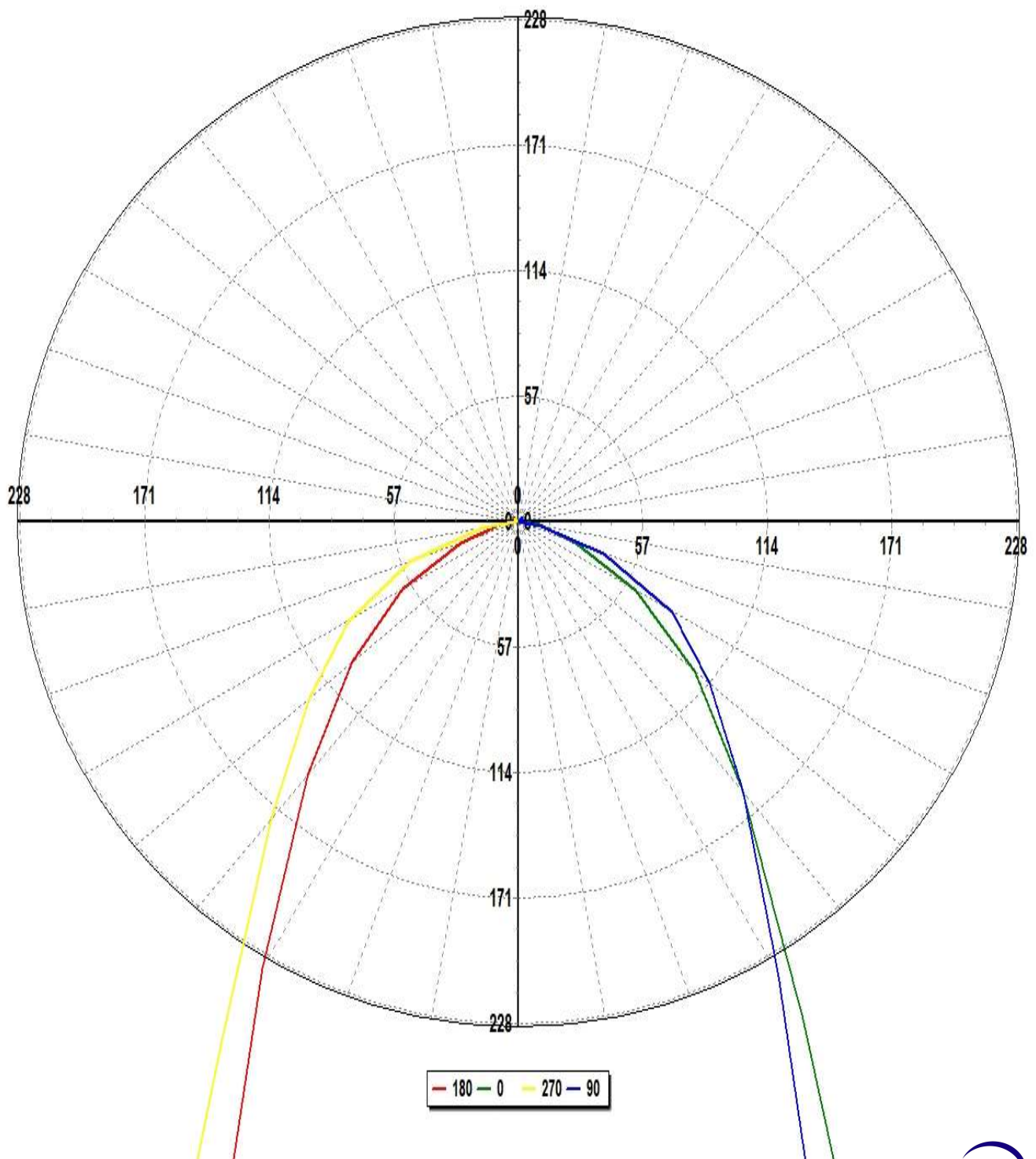
Total flux (lm) 1525

Power Factor 1

Date

2023-06-14 오후 7:13:01

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

230614

No. of lamps	1	Voltage (V)	23.904	Filename	230614 FNL3D 65K C90 1m 20도.jdt
Lamp flux (lm)	1525	Current (A)	0.7749	Operator	
Total flux (lm)	1525	Power Factor	1	Date	2023-06-14 오후 7:13:01

Luminous Intensity Data

Maximum (cd) : 3494

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270
0	3494.26	3494.06	3456.15	3409.11	3367.9	3286.5	3494.26	3494.06	3456.15	3409.11
10	2753.09	2221.69	2444.75	1838.89	2036.53	1527.09	1873.29	2400.83	2098.65	2659.1
20	906.43	781.28	809.55	663.85	666.51	555.26	659.83	778.4	747.24	896.16
30	397.91	391.72	386.87	362.95	348.6	324.67	357.64	379.06	395.42	414.59
40	242.8	243.57	253.05	244.17	238.47	214.1	228.6	241.77	259.09	267.72
50	160.89	162.3	176.29	173.92	165.68	143.51	151.47	161.03	180.55	190.17
60	94.84	106.1	115.53	124.23	105.88	90.46	93.48	105.63	120.19	137.04
70	42.54	43.76	62.79	63.56	56.76	37.89	42.42	49.83	66.33	80.25
80	15.11	14.8	16.23	16.34	13.59	10.03	12.95	14.63	19.06	24.9
90	1.76	1.66	1.67	0.75	1.8	0.45	1.51	0.71	0.62	1.53
100	0.97	0.8	0.96	1.23	1.32	1.86	0.8	1.19	1.1	0.39
110	1.48	1.12	1.17	1.84	1.64	1.74	1.37	1.16	1.78	1.01
120	1.83	2.73	1.89	1.8	2.52	2.31	2.06	1.72	2.28	1.22
130	3.23	3.38	3.19	4.12	3.96	3.91	4.88	3.86	3.88	3.61

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Operator

Total flux (lm) 1525

Power Factor 1

Date 2023-06-14 오후 7:13:01

Luminous Intensity Data (Continued)

Maximum (cd) : 3494

Minimum (cd) : 0

G/C	300	330	360
0	3367.9	3286.5	3494.26
10	2425.6	3015.96	2753.09
20	868.8	1065.71	906.43
30	428.46	450.07	397.91
40	270.48	267.56	242.8
50	188.82	178.91	160.89
60	126.52	118.37	94.84
70	73.28	56.45	42.54
80	22.91	20.96	15.11
90	2.24	2.53	1.76
100	1.3	0.85	0.97
110	1.15	1.35	1.48
120	1.55	1.96	1.83
130	2.53	3.13	3.23

Luminaire KH FEELUX

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Power Factor 1

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Luminous Flux Table

Total Lamp Lumens: 1525.4

Luminaire Efficiency (lm/W): 82.35

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	81.72	81.72	5.36	5.36
10	432.60	514.32	33.72	33.72
20	293.40	807.72	52.95	52.95
30	211.65	1019.37	66.83	66.83
40	174.32	1193.69	78.25	78.26
50	142.18	1335.87	87.58	87.58
60	105.78	1441.65	94.51	94.51
70	57.97	1499.62	98.31	98.31
80	18.11	1517.73	99.50	99.50
90	1.57	1519.30	99.60	99.60
100	1.15	1520.45	99.68	99.68
110	1.44	1521.89	99.77	99.77
120	1.89	1523.78	99.89	99.90
130	1.58	1525.36	100.00	100.00

Luminaire KH FEELUX

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23.904

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0.7749

Operator

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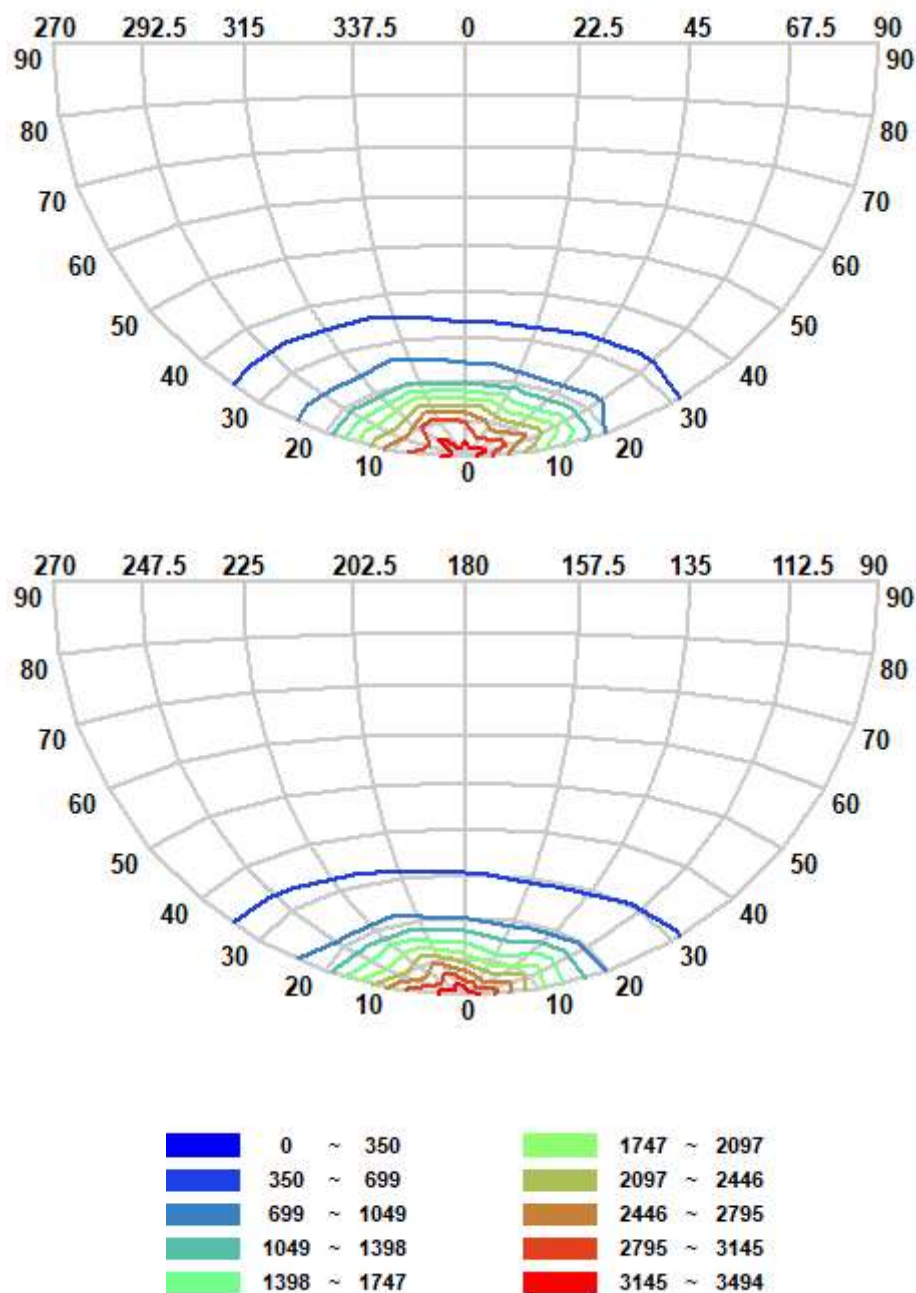
Power Factor

1

Date

2023-06-14 오후 7:13:01

IsoCandela (Type C)



Luminaire KH FEELUX

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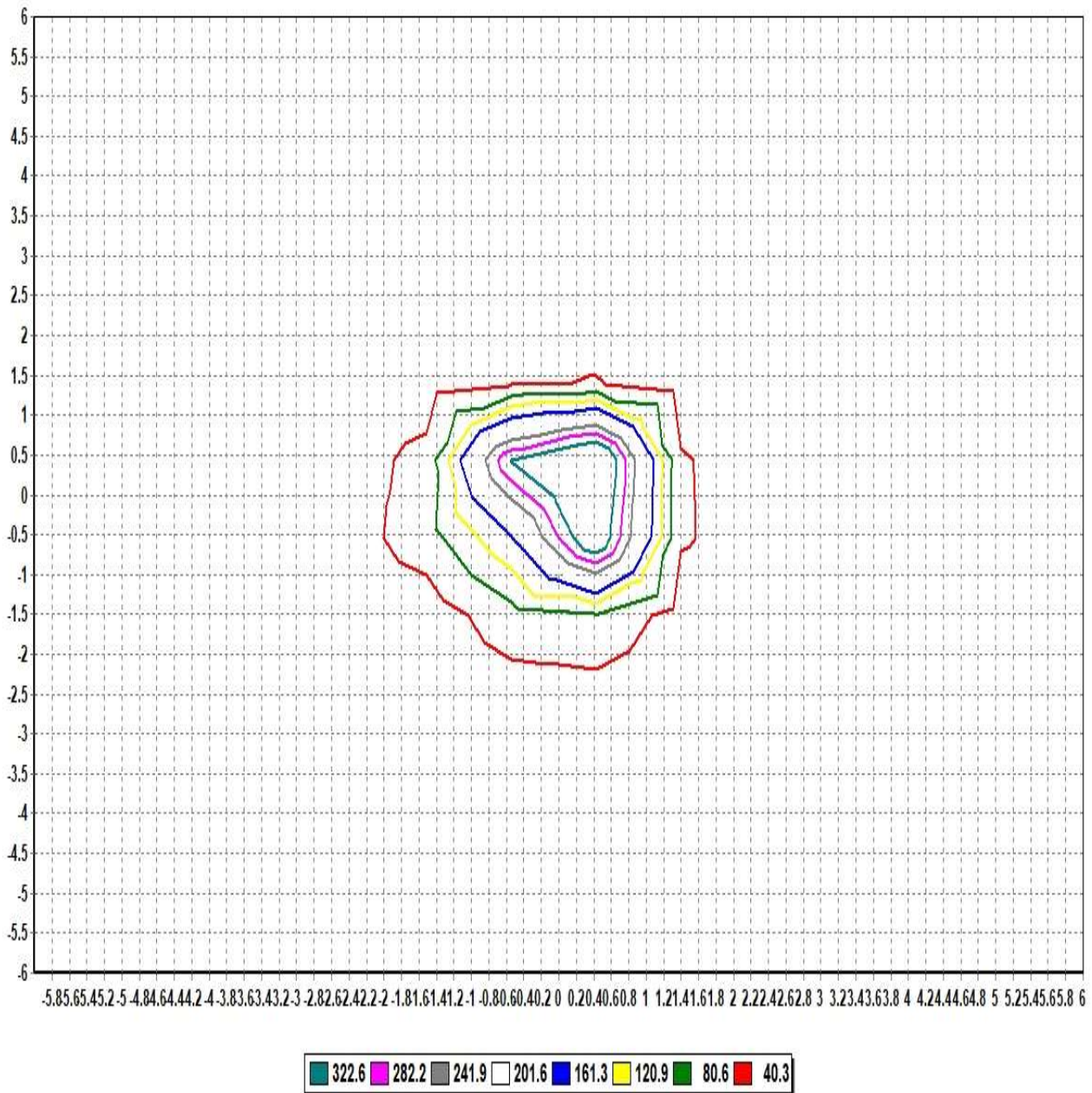
Operator

Total flux (lm) 1525

Power Factor 1

Date 2023-06-14 오후 7:13:01

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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No. of lamps 1

Voltage (V) 23.904

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Current (A) 0.7749

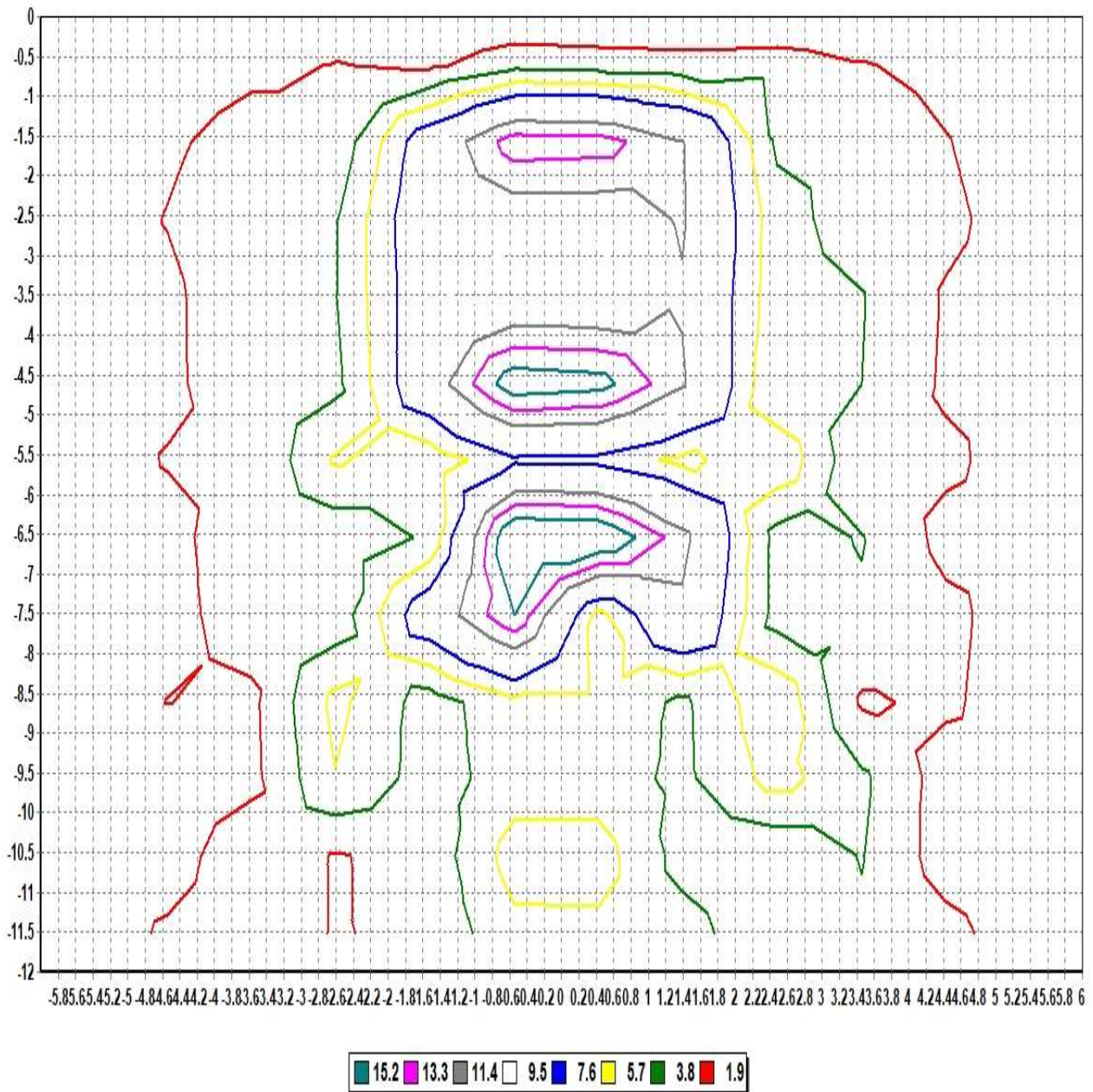
Operator

Total flux (lm) 1525

Power Factor 1

Date 2023-06-14 오후 7:13:01

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)	23.904
Lamp flux (lm)	1525	Current (A)	0.7749
Total flux (lm)	1525	Power Factor	1

Report 230614

Filename 230614 FNL3D 65K C90 1m 20도.jdt

Operator

Date 2023-06-14 오후 7:13:01

Illuminance Levels (Ground)

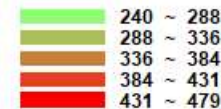
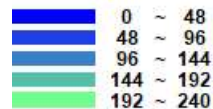
6.00	0.39	0.54	0.39	0.48	0.63	0.78	0.85	0.79	0.58	0.41	0.37	0.51	0.33
5.00	0.43	0.41	0.63	0.94	1.84	2.30	2.44	2.30	1.81	0.89	0.59	0.30	0.45
4.00	0.25	0.47	1.59	2.41	2.17	3.10	3.46	3.11	2.15	2.40	1.47	0.47	0.27
3.00	0.46	0.65	2.06	2.73	6.53	6.47	7.72	6.44	6.72	2.45	2.22	0.69	0.40
2.00	0.54	1.73	2.10	5.75	8.85	15.24	20.31	15.67	8.65	6.41	2.11	1.75	0.51
1.00	0.56	1.92	2.48	6.03	15.02	40.87	203.72	47.73	15.60	6.23	2.88	2.23	0.69
0.00	0.61	2.09	2.81	6.85	19.46	207.47	479.32	304.67	21.11	7.28	2.92	2.21	0.61
-1.00	0.55	1.90	2.47	6.06	15.37	43.00	294.35	50.55	17.30	7.10	2.85	2.17	0.63
-2.00	0.53	1.72	2.09	6.07	8.36	15.59	22.68	17.29	9.88	7.09	2.51	2.04	0.70
-3.00	0.43	0.69	2.12	2.41	6.85	6.48	8.44	7.26	7.19	3.10	2.52	0.88	0.58
-4.00	0.27	0.48	1.43	2.45	2.15	3.32	3.80	3.30	2.55	2.66	1.79	0.63	0.37
-5.00	0.44	0.32	0.62	0.94	1.82	2.46	2.67	2.42	2.09	1.09	0.76	0.51	0.55
-6.00	0.33	0.53	0.40	0.45	0.61	0.90	0.99	0.85	0.77	0.60	0.49	0.61	0.45
-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.) : 479.32

Illum. (Min.) : 0.2541

Illum. (Avg.) : 13.159

All illuminance level values are in lux.



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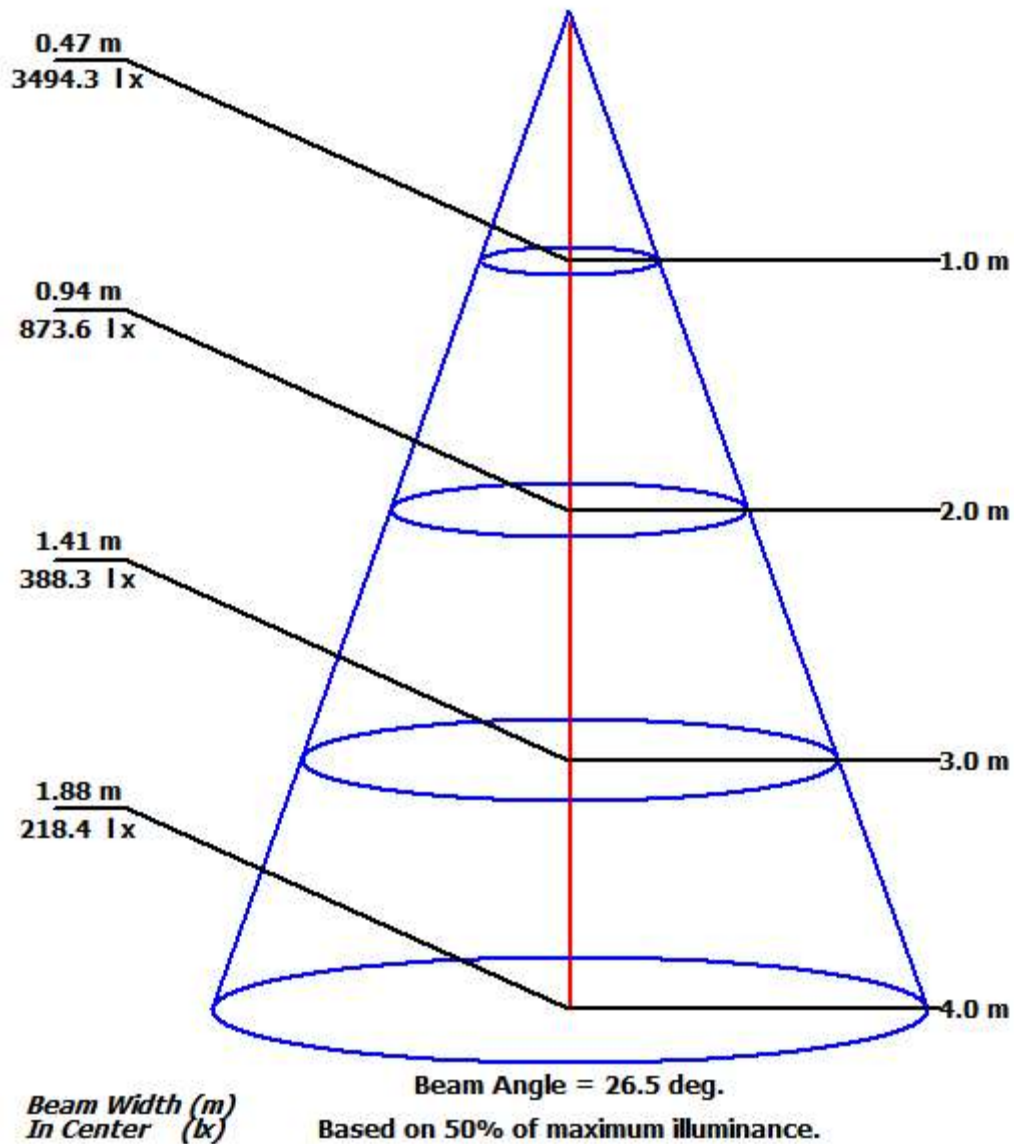
Power Factor

1

Date

2023-06-14 오후 7:13:01

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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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