

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 FNL3D 65K C90 1m 30X60도

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		0.3224 , 0.3399	
Correlated Color Temperature	K	5959	
Ra		92.24	
Power Factor		1.000	
Input Voltage	V	23.909	
Input Current	A	0.788	
Input Watt	W	18.844	
Lamp Flux	lm	1496.1	
Efficient	lm/W	79.39	
luminous Intensity (Max , Center)	cd	1875 , 1823	
Illuminance	lx	1823	1 m
		456	2 m
		203	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)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

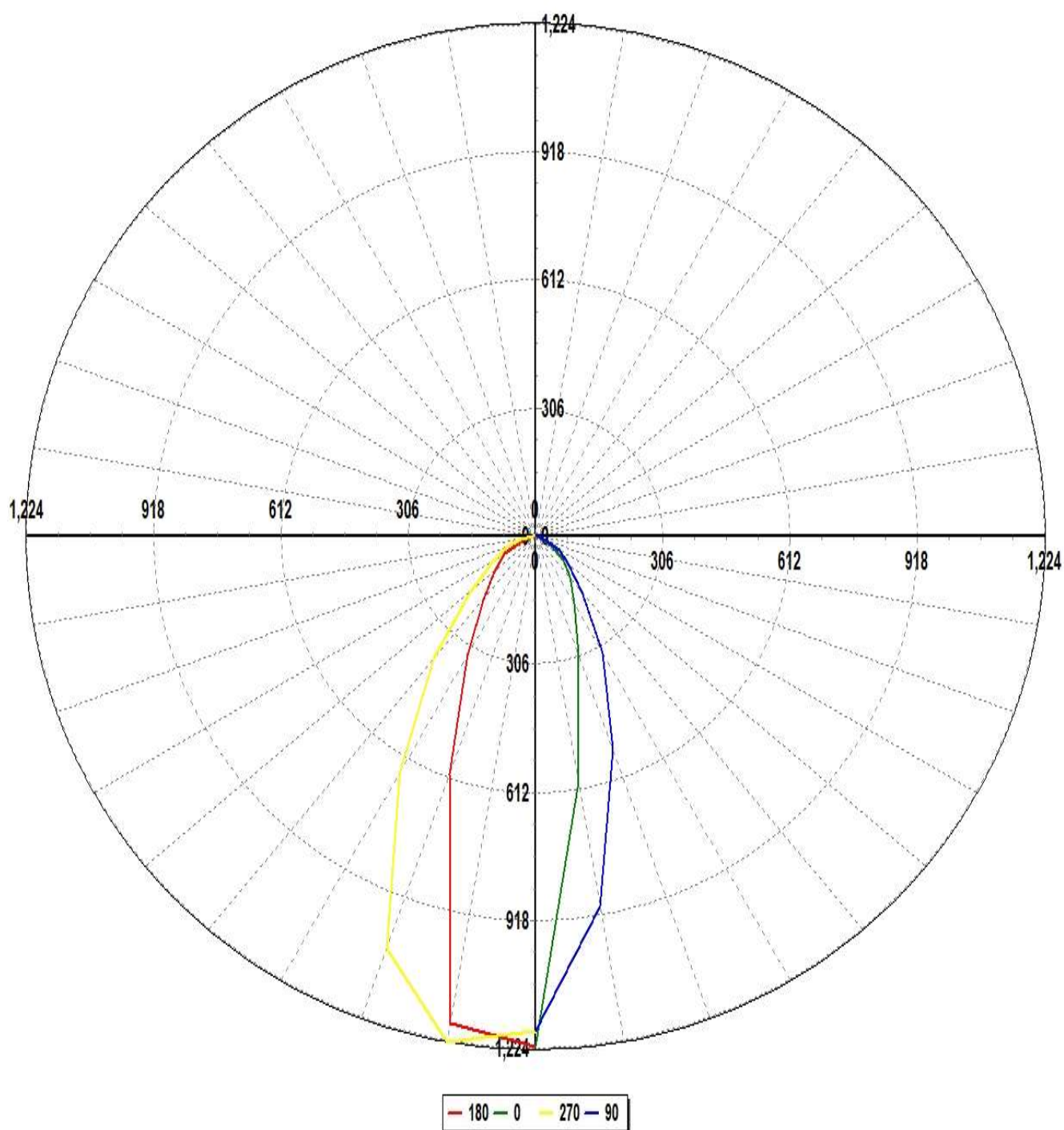
Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

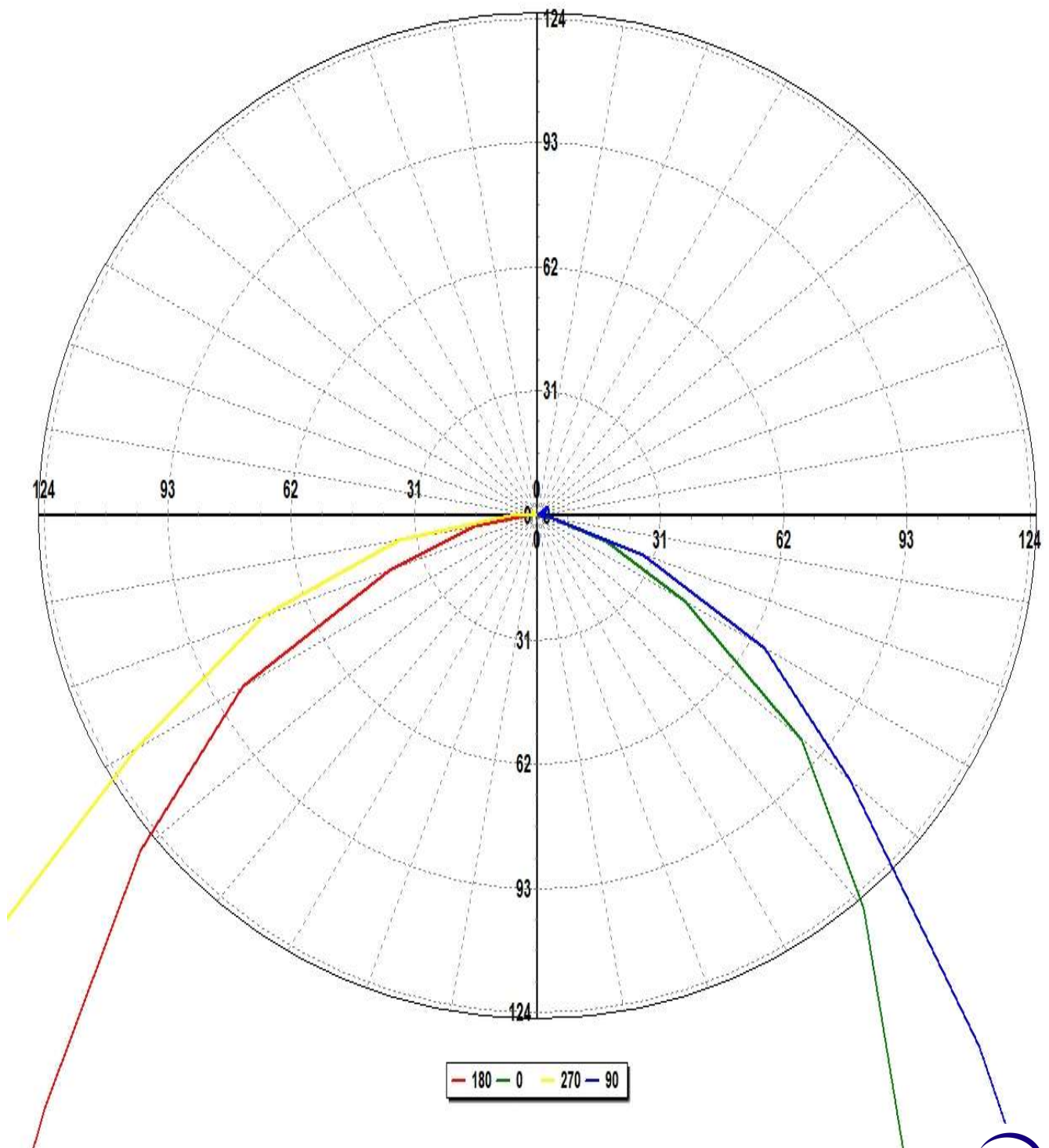
Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

Luminous Intensity Data

Maximum (cd) : 1875

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270
0	1822.95	1684.43	1810.2	1770.61	1816.77	1683.15	1822.95	1684.43	1810.2	1770.61
10	890.06	870.37	1164.68	1340.82	1193	892.01	1765.53	1874.93	1837.38	1834.7
20	449.88	479.05	648.09	810.35	663.09	490.22	903.63	1108.04	1354.71	1567.36
30	275.94	290.29	368.57	484.02	373.34	290.42	487.82	573.48	746.06	975
40	191.3	196.82	228.4	258.53	228.65	193.7	288.1	329.39	441.4	568.11
50	129.9	129.75	141.15	153.28	139.57	126.91	195.06	214.86	262.87	308.16
60	64.08	68.28	81.25	98.72	79.54	61.76	127.86	142.34	158.71	174.49
70	27.69	26.87	33.67	42.56	31.84	23.61	59.36	72.1	90.49	109.97
80	6.1	5.27	5.3	4.88	4.31	3.53	24.22	28.55	40.44	52.66
90	0.64	0.99	0.84	1.21	1.57	1.16	4.24	5.48	6.75	10.06
100	1.25	1.91	1.19	2.27	1.46	1.46	0.81	0.5	1.9	1
110	1.24	2.33	2.1	2.48	2.46	2.32	0.83	1.4	1.72	1.34
120	2.55	3.62	3.73	3.67	3.04	3.13	1.56	1.45	1.68	2.19
130	4.56	5.19	5	5.29	4.37	5.04	2.78	2.89	3.23	2.84

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps	1	Voltage (V)	23.90	Filename	230608 FNL3D 65K C90 1m 30X60도.jdt
Lamp flux (lm)	1496	Current (A)	0.7882	Operator	
Total flux (lm)	1496	Power Factor	1	Date	2023-06-08 오후 6:30:15

Luminous Intensity Data (Continued)

Maximum (cd) : 1875

Minimum (cd) : 0

G/C	300	330	360
0	1816.77	1683.15	1822.95
10	1779.9	1812.67	890.06
20	1246.81	1010.34	449.88
30	660.54	517.27	275.94
40	398.09	306.23	191.3
50	245.92	205.91	129.9
60	153.33	138.89	64.08
70	88.8	77.55	27.69
80	40.37	32.06	6.1
90	7.08	7.93	0.64
100	0.85	0.29	1.25
110	1.4	1.48	1.24
120	1.83	2.17	2.55
130	2.83	2.42	4.56

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

Luminous Flux Table

Total Lamp Lumens: 1496.1

Luminaire Efficiency (lm/W): 79.39

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	42.19	42.19	2.82	2.82
10	273.49	315.68	21.10	21.10
20	335.00	650.68	43.49	43.49
30	275.76	926.43	61.92	61.92
40	212.89	1139.32	76.15	76.15
50	157.54	1296.86	86.68	86.68
60	106.64	1403.51	93.81	93.81
70	58.71	1462.22	97.74	97.73
80	22.26	1484.48	99.22	99.22
90	4.38	1488.86	99.52	99.52
100	1.34	1490.19	99.61	99.60
110	1.81	1492.00	99.73	99.73
120	2.42	1494.42	99.89	99.89
130	1.68	1496.11	100.00	100.00

Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

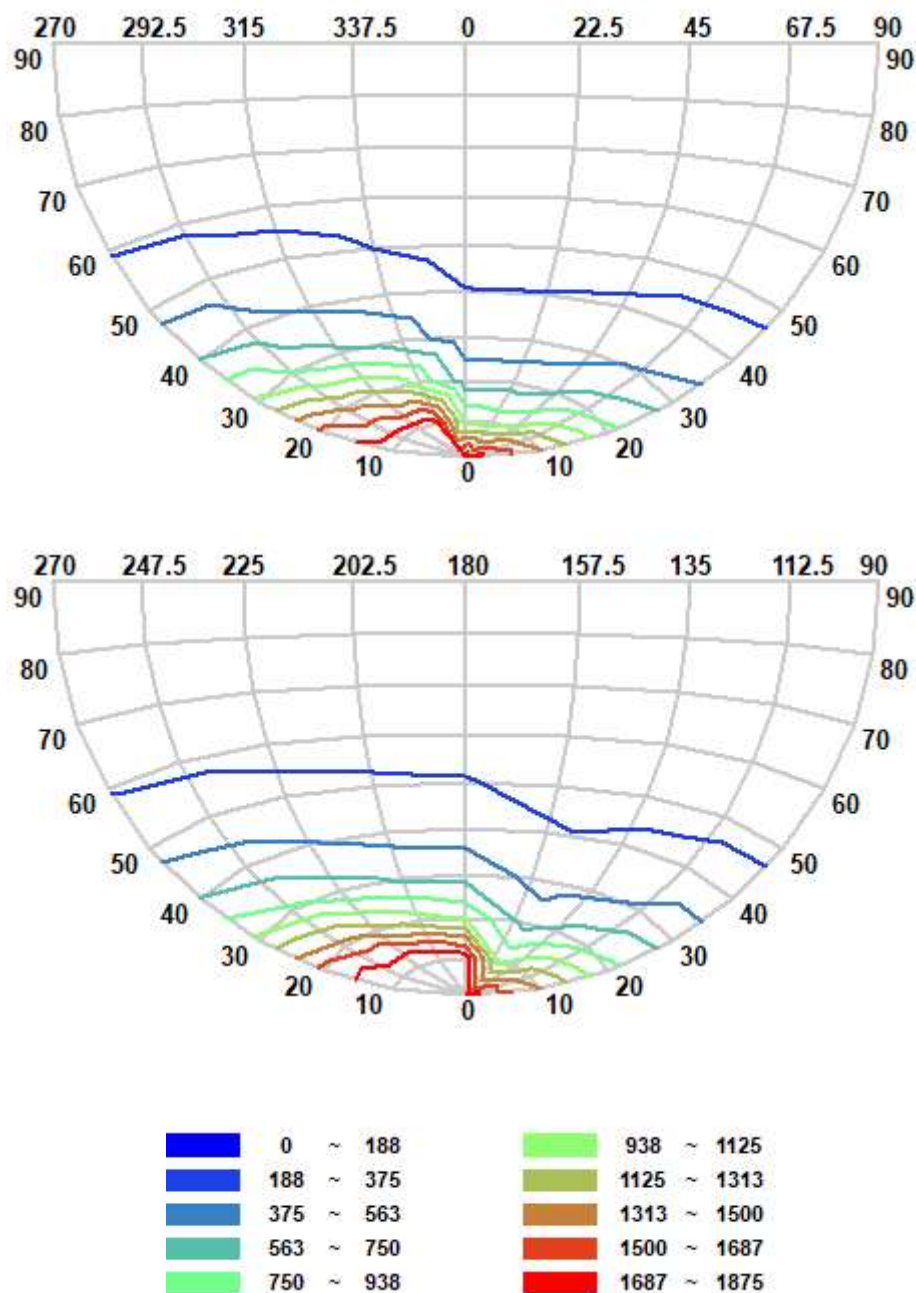
Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

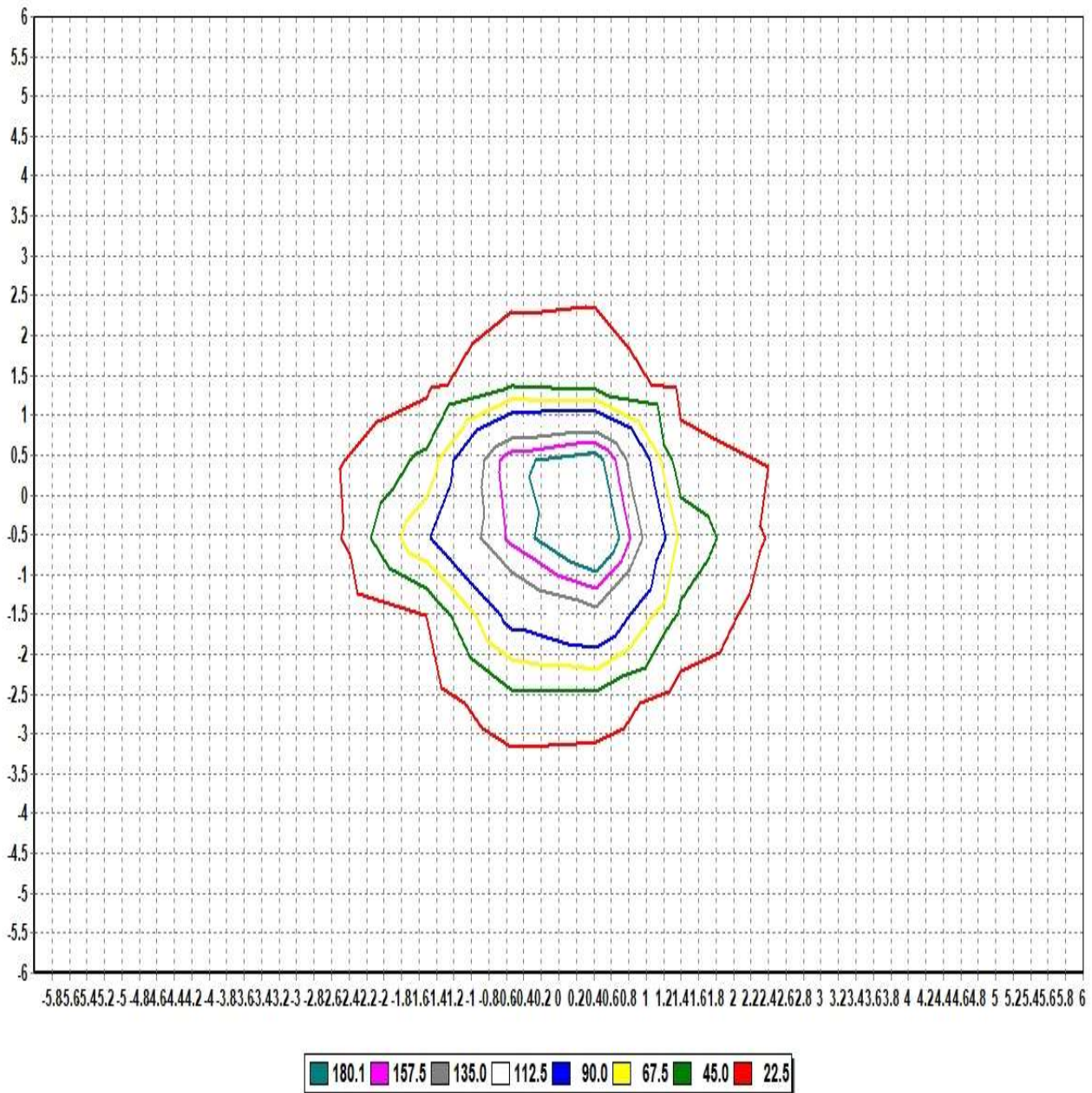
Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

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)

23.90Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

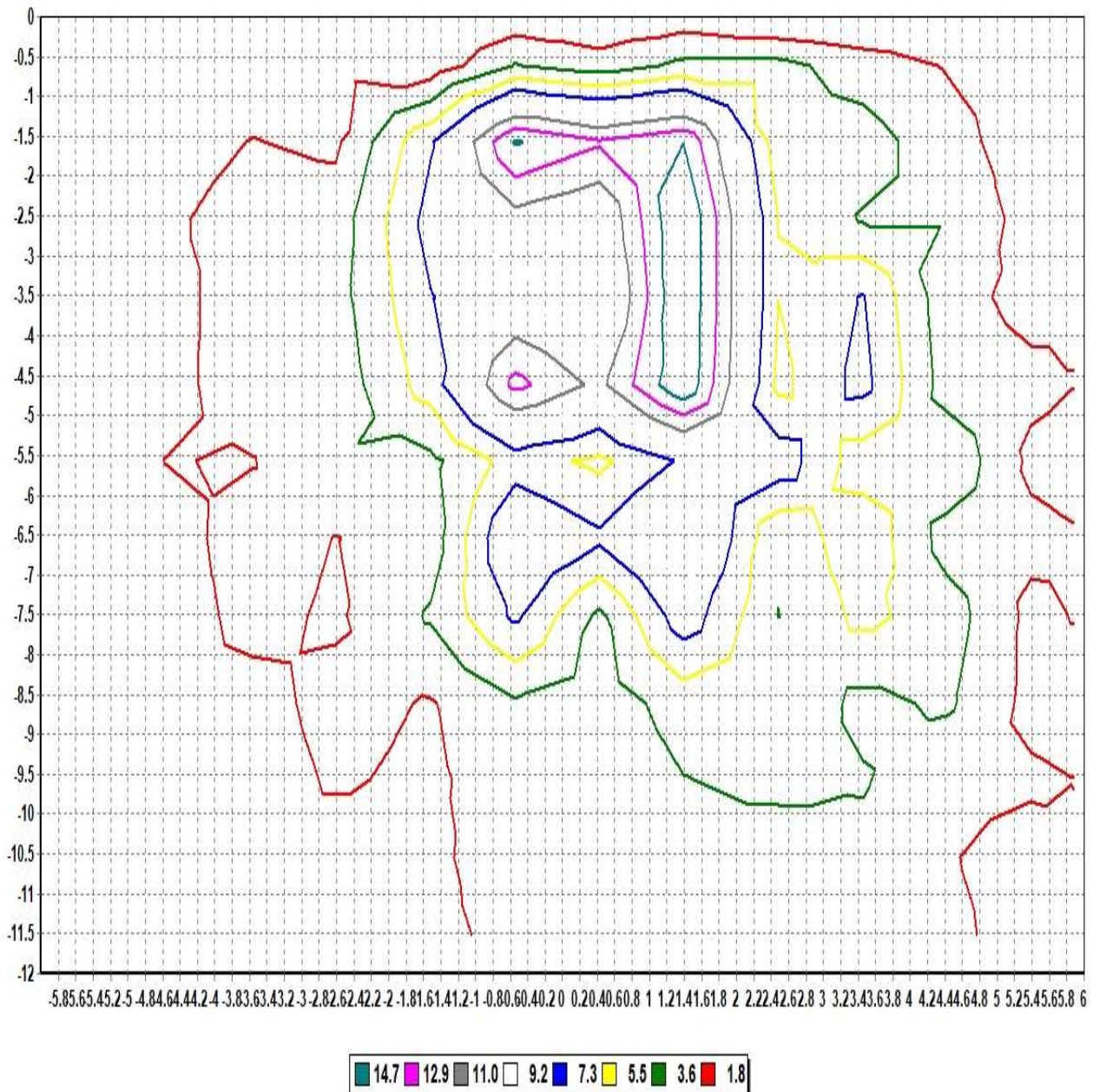
Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

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)	23.909
Lamp flux (lm)	1496	Current (A)	0.7882
Total flux (lm)	1496	Power Factor	1

Report

230608

Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Operator

Date

2023-06-08 오후 6:30:15

Illuminance Levels (Ground)

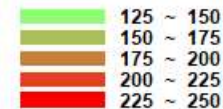
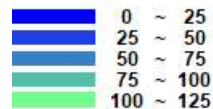
6.00	0.29	0.42	0.26	0.30	0.43	0.52	0.63	0.56	0.36	0.26	0.21	0.35	0.22
5.00	0.30	0.26	0.44	0.71	1.53	1.88	2.12	1.92	1.39	0.57	0.36	0.19	0.30
4.00	0.16	0.30	1.32	2.08	1.67	2.43	2.90	2.46	1.45	1.89	1.11	0.31	0.17
3.00	0.28	0.43	1.76	2.19	6.56	5.62	7.15	5.18	5.84	1.74	1.76	0.46	0.25
2.00	0.35	1.43	1.60	5.20	8.22	14.90	23.97	12.79	6.93	5.09	1.42	1.34	0.33
1.00	0.65	2.18	2.67	5.21	14.40	47.79	149.73	31.07	12.51	4.99	2.83	2.30	0.76
0.00	0.84	2.71	3.72	8.77	25.44	196.56	250.06	99.07	15.71	5.84	2.17	1.75	0.41
-1.00	0.49	1.95	2.57	7.98	20.90	61.27	206.56	91.21	24.88	8.90	2.72	2.03	0.56
-2.00	0.74	2.29	2.82	7.76	10.98	22.03	50.49	26.81	15.93	8.38	3.06	2.55	0.87
-3.00	0.60	0.95	2.77	3.23	11.03	9.02	14.78	10.49	13.85	4.07	2.99	1.10	0.71
-4.00	0.38	0.67	1.90	3.47	2.89	4.64	5.48	4.60	3.16	4.03	2.48	0.79	0.49
-5.00	0.60	0.45	0.84	1.25	2.48	3.73	4.21	3.60	2.81	1.43	0.98	0.65	0.66
-6.00	0.45	0.70	0.54	0.63	0.84	1.19	1.30	1.13	0.97	0.74	0.66	0.77	0.57
-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.) : 250.06

Illum. (Min.) : 0.1579

Illum. (Avg.) : 10.529

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1

Voltage (V)

23.909Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496

Current (A)

0.7882Operator

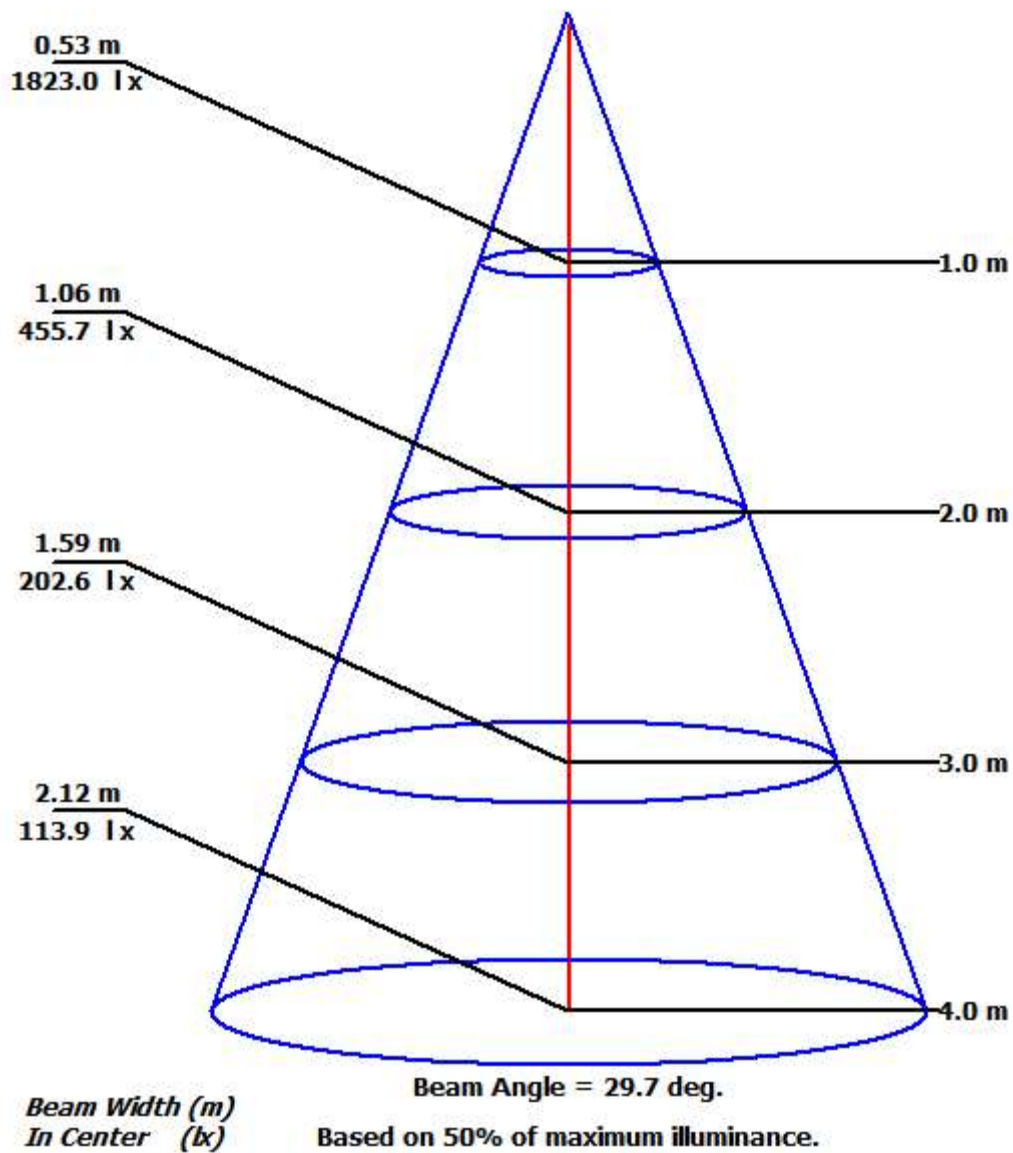
Total flux (lm) 1496

Power Factor

1Date

2023-06-08 오후 6:30:15

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230608

No. of lamps 1 Voltage (V) 23.909

Filename 230608 FNL3D 65K C90 1m 30X60도.jdt

Lamp flux (lm) 1496 Current (A) 0.7882

Operator

Total flux (lm) 1496 Power Factor 1

Date 2023-06-08 오후 6:30:15

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