

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 230508

2. Purpose of Report :**3. Number of Report :** 230508**4. Test Standard / Item :** / FN3D-C80-27K**5. Test Period :** 230508 ~ 230508**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
230508			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4503 , 0.4102	
Correlated Color Temperature	K	2835	
Ra		84.06	
Power Factor		1.000	
Input Voltage	V	23.929	
Input Current	A	0.594	
Input Watt	W	14.21	
Lamp Flux	lm	951.3	
Efficient	lm/W	66.95	
luminous Intensity (Max , Center)	cd	332 , 332	
Illuminance	lx	332	1 m
		83	2 m
		37	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 23.929

Lamp flux (lm) 951

Current (A) 0.59384

Total flux (lm) 951

Power Factor 1

Report

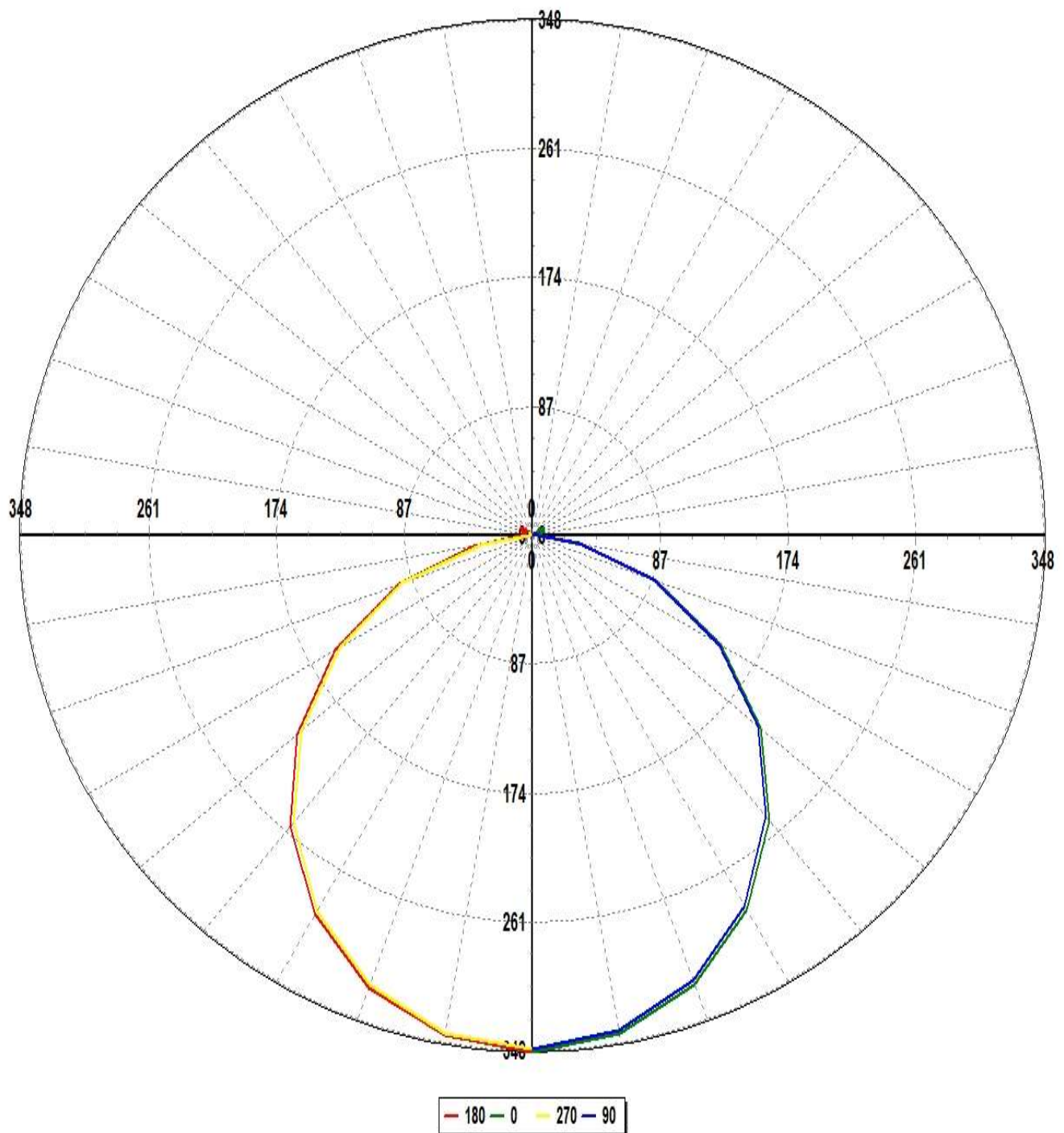
230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 23.929

Lamp flux (lm) 951

Current (A) 0.59384

Total flux (lm) 951

Power Factor 1

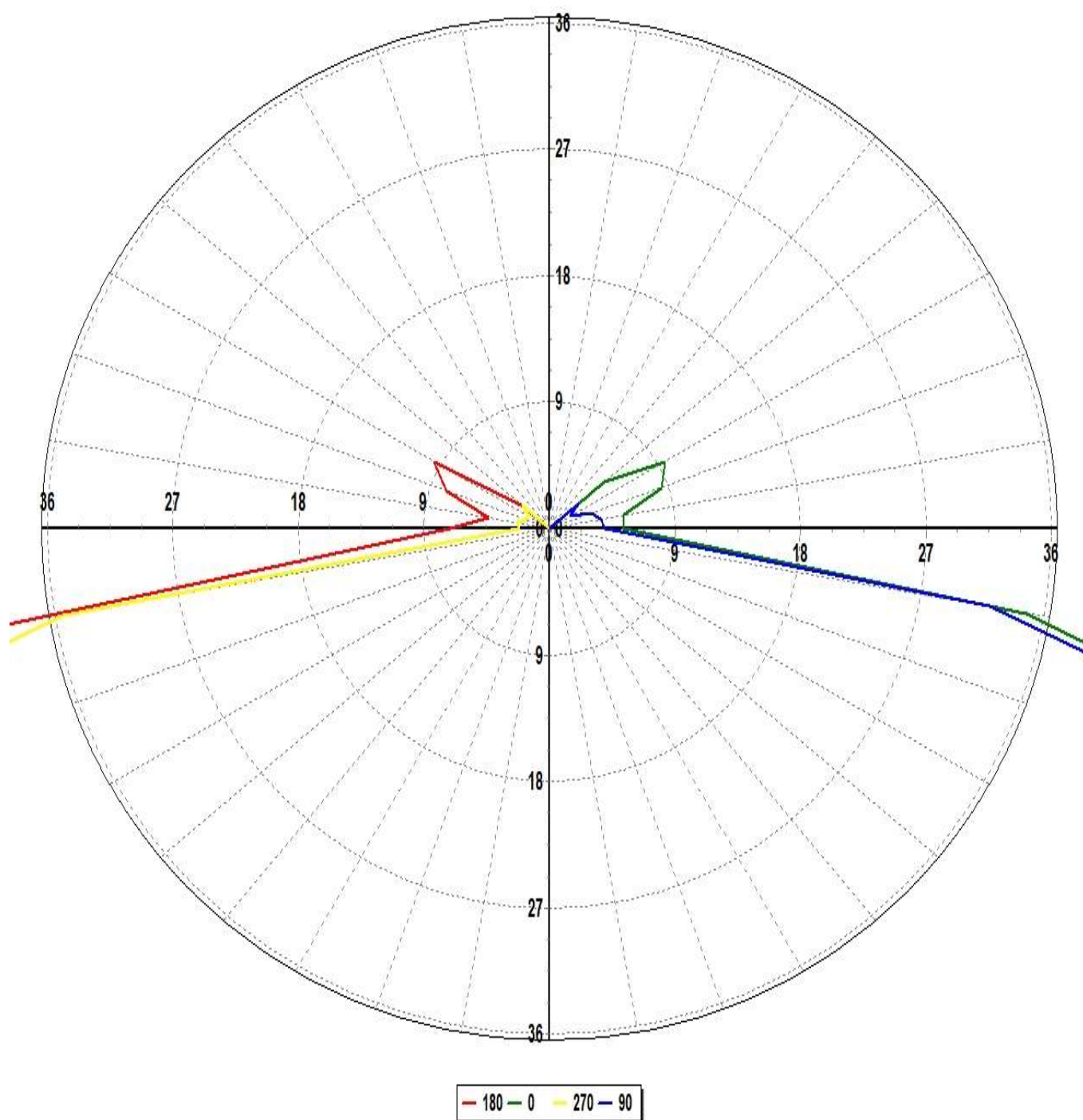
Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.929
Lamp flux (lm)	951	Current (A)	0.59384
Total flux (lm)	951	Power Factor	1

Report	230508
Filename	FN3D-C80-27K.jdt
Operator	
Date	2023-05-08 오후 2:37:51

Luminous Intensity Data

Maximum (cd) : 332

Minimum (cd) : 2

G/C	0	30	60	90	120	150	180	210	240	270	300
0	332	330.37	330.74	329.65	329.81	329.91	332	330.37	330.74	329.65	329.81
10	324.55	324.53	323.5	322.68	323.17	322.87	326.26	325.94	324.81	324.95	323.69
20	306.79	304.84	304.57	303.98	304.48	304.79	309.05	308.87	307.73	307.46	306.24
30	277.45	275.48	275.8	274.85	275.68	275.05	280.74	280.74	278.77	278.28	277.39
40	238.42	237.26	237.81	235.6	237.4	237.13	243.64	243.63	241.84	240.18	239.06
50	193.19	191.77	191.09	191.04	191.93	191.76	198.86	198.99	196.47	195.03	193.98
60	140.67	140.26	139.98	139.86	141.25	139.98	147.22	148.01	145.5	143.69	141.94
70	85.02	84.4	84.43	83.52	85.05	84.47	91.91	93.06	90.47	89.52	86.89
80	33.03	31.5	31.31	30.48	31.56	31.89	38.57	38.28	36.22	33.69	32.79
90	5.04	4.96	3.9	3.81	3.73	5.6	6.76	6.27	3.15	2.03	3.82
100	5.15	5.42	5.09	3.54	4.48	4.56	4.21	4.6	3.43	2.27	3.73
110	8.13	8.59	5.98	3.05	2.53	7.38	7.44	6.84	3.93	1.74	5.61
120	9.08	6.98	3.86	1.6	4.88	6.41	9.1	6.14	2.33	1.62	2.72
130	4.89	3.24	4.91	2.63	4.11	3.66	2.5	1.99	4.47	2.46	4.64

Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.929
Lamp flux (lm)	951	Current (A)	0.59384
Total flux (lm)	951	Power Factor	1

Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

Luminous Intensity Data (Continued)

Maximum (cd) : 332

Minimum (cd) : 2

G/C	330	360
0	329.91	332
10	324.11	324.55
20	306.56	306.79
30	278.74	277.45
40	240.94	238.42
50	196.75	193.19
60	144.87	140.67
70	89.84	85.02
80	35.72	33.03
90	5.55	5.04
100	4.41	5.15
110	7.05	8.13
120	6.84	9.08
130	3.15	4.89

Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.929
Lamp flux (lm)	951	Current (A)	0.59384
Total flux (lm)	951	Power Factor	1

Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

Luminous Flux Table

Total Lamp Lumens: 951.30

Luminaire Efficiency (lm/W): 66.95

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.90	7.90	0.83	0.83
10	61.67	69.57	7.31	7.31
20	114.73	184.30	19.37	19.37
30	151.92	336.21	35.34	35.34
40	168.54	504.76	53.06	53.06
50	162.96	667.72	70.19	70.19
60	135.42	803.14	84.43	84.43
70	89.93	893.07	93.88	93.88
80	36.40	929.48	97.71	97.71
90	4.98	934.46	98.23	98.23
100	4.58	939.04	98.71	98.71
110	5.85	944.89	99.33	99.33
120	4.87	949.76	99.84	99.84
130	1.55	951.30	100.00	100.00

Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 23.929

Lamp flux (lm) 951

Current (A) 0.59384

Total flux (lm) 951

Power Factor 1

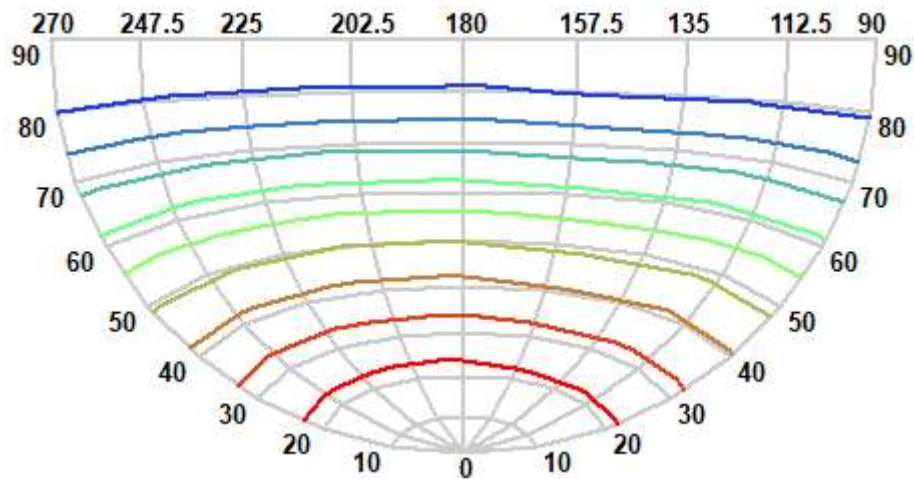
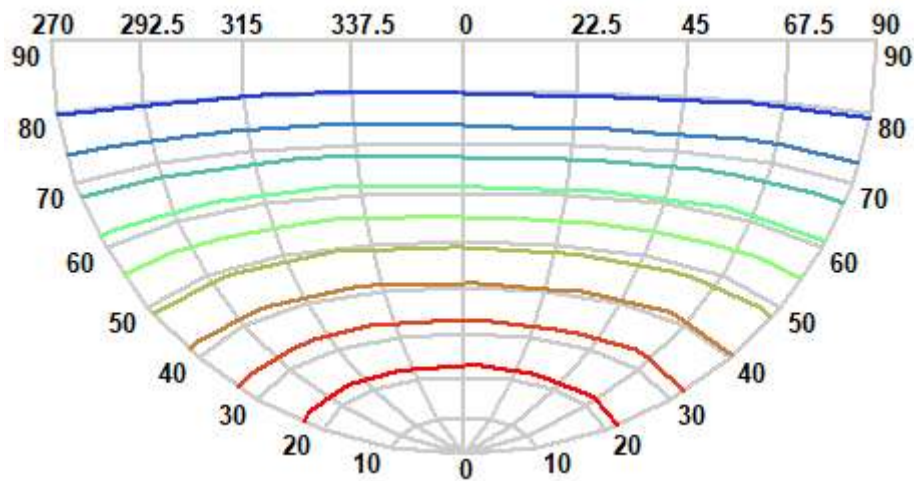
Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 23.929

Lamp flux (lm) 951

Current (A) 0.59384

Total flux (lm) 951

Power Factor 1

Report

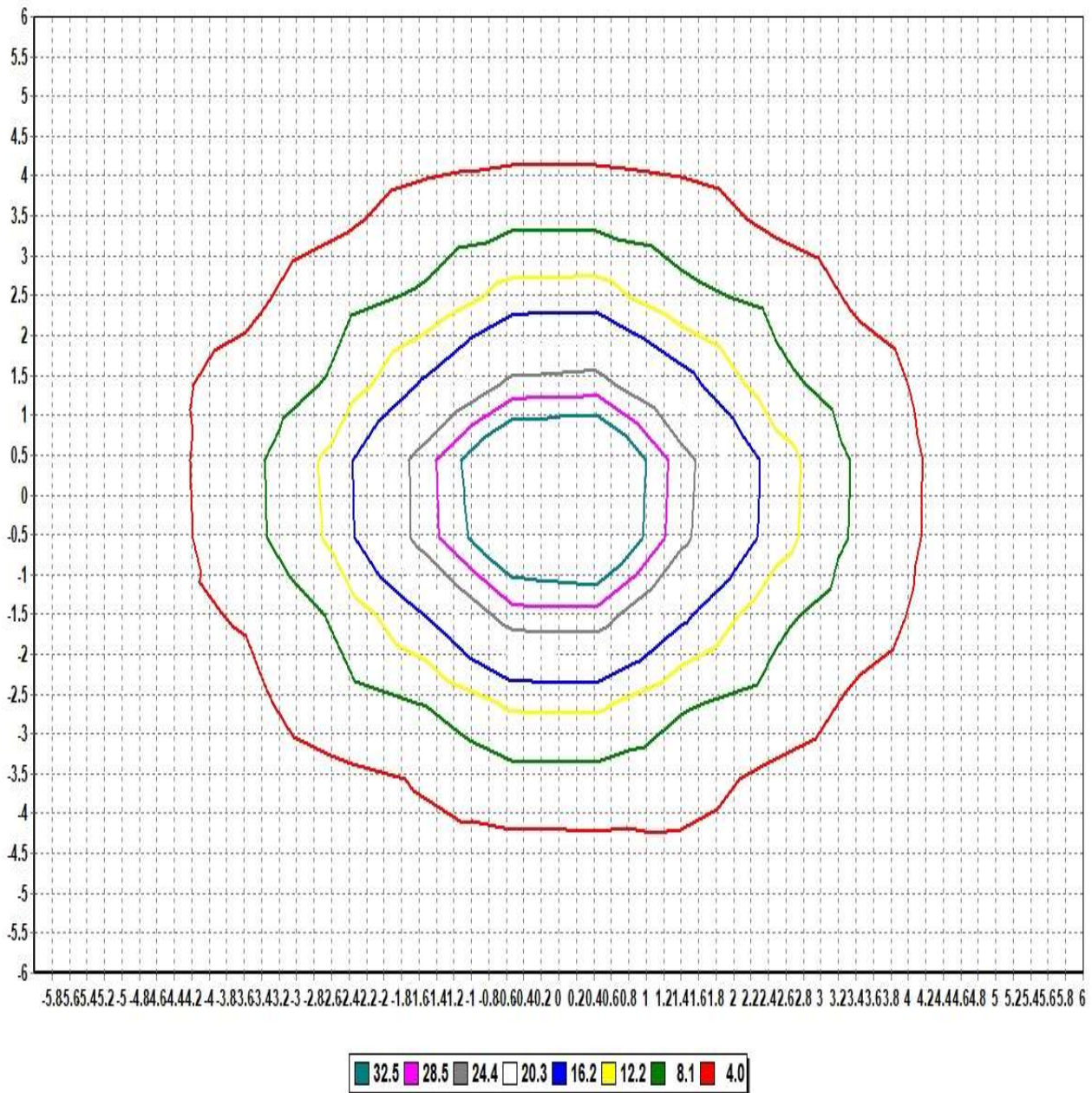
230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

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) 23.929

Lamp flux (lm) 951

Current (A) 0.59384

Total flux (lm) 951

Power Factor 1

Report

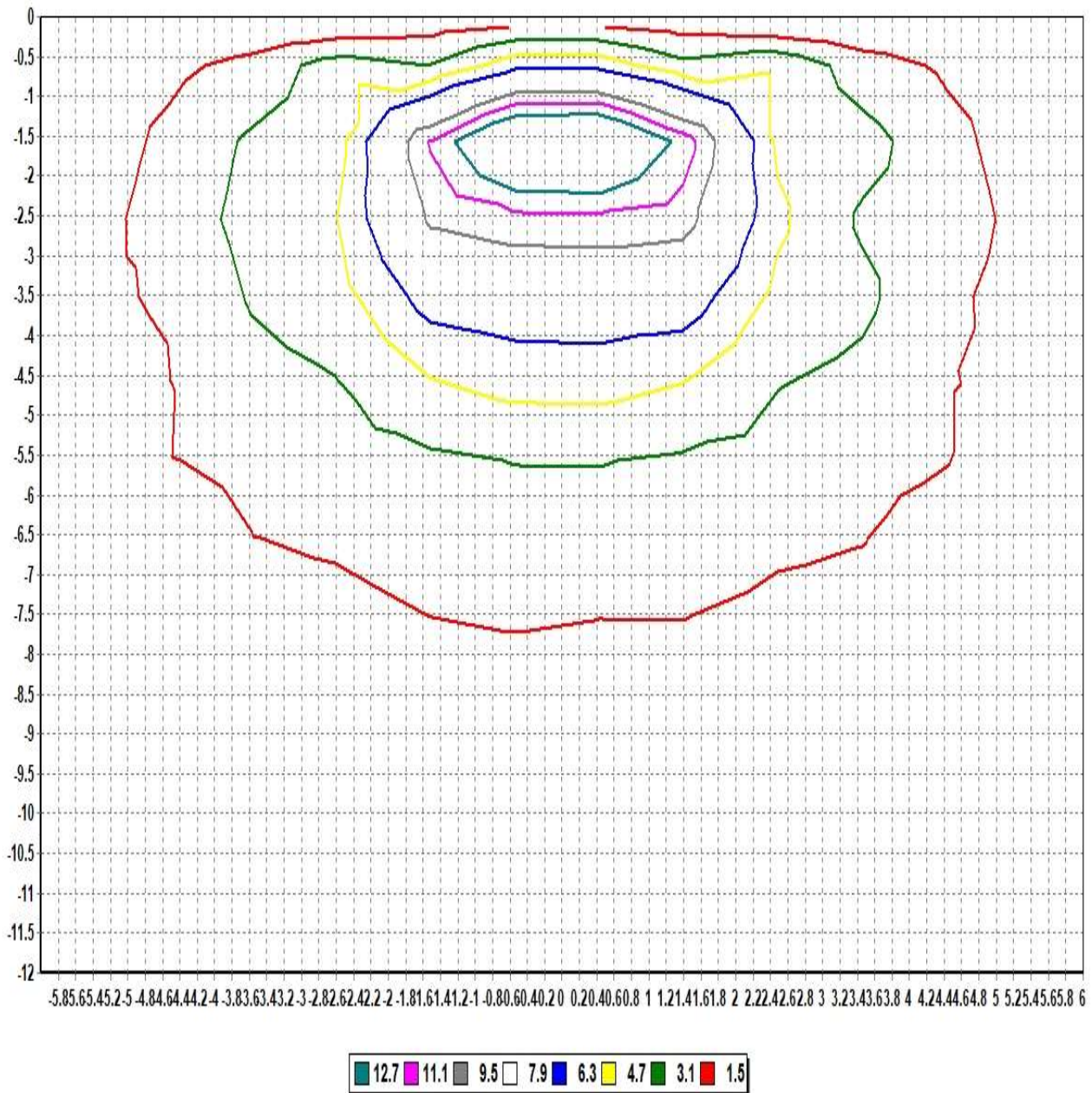
230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

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)	23.929
Lamp flux (lm)	951	Current (A)	0.59384
Total flux (lm)	951	Power Factor	1

Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

Illuminance Levels (Ground)

6.00	0.49	0.65	0.51	0.68	0.85	0.97	1.02	0.97	0.85	0.68	0.52	0.65	0.49
5.00	0.65	0.56	0.81	1.13	2.16	2.54	2.69	2.53	2.15	1.13	0.81	0.56	0.65
4.00	0.52	0.81	1.85	2.69	2.78	3.53	3.85	3.53	2.77	2.69	1.85	0.81	0.52
3.00	0.68	1.13	2.70	3.25	6.55	7.28	8.21	7.28	6.59	3.26	2.71	1.14	0.68
2.00	0.85	2.16	2.78	6.58	9.39	14.95	17.74	14.96	9.44	6.62	2.77	2.16	0.85
1.00	1.02	2.61	3.62	7.29	14.96	26.90	36.43	27.02	14.97	7.31	3.60	2.59	1.01
0.00	1.09	2.80	4.04	8.53	18.26	36.84	45.54	36.65	17.93	8.30	3.89	2.72	1.03
-1.00	1.00	2.58	3.61	7.55	15.35	27.40	36.69	27.14	15.08	7.41	3.60	2.58	0.99
-2.00	0.91	2.24	2.91	6.78	9.72	15.34	18.04	15.08	9.53	6.70	2.81	2.19	0.87
-3.00	0.74	1.21	2.80	3.40	6.73	7.52	8.38	7.38	6.67	3.30	2.76	1.18	0.70
-4.00	0.56	0.87	1.93	2.78	2.91	3.63	3.95	3.63	2.80	2.74	1.88	0.84	0.55
-5.00	0.68	0.61	0.86	1.19	2.24	2.60	2.75	2.60	2.18	1.18	0.84	0.58	0.66
-6.00	0.51	0.68	0.55	0.74	0.91	1.02	1.07	1.02	0.87	0.70	0.54	0.66	0.50
-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.) : 45.542

Illum. (Min.) : 0.4869

Illum. (Avg.) : 5.2674

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.929
Lamp flux (lm)	951	Current (A)	0.59384
Total flux (lm)	951	Power Factor	1

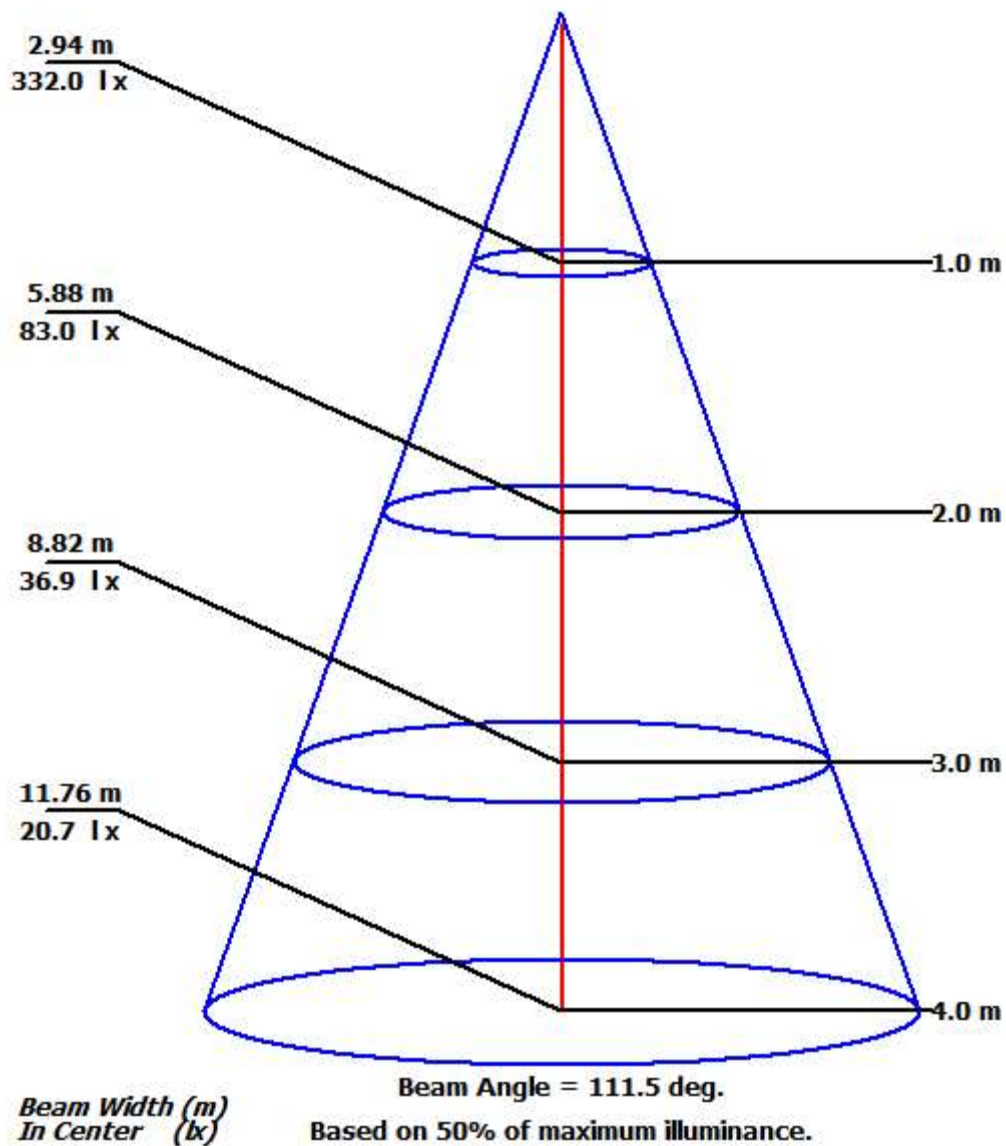
Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

No. of lamps 1 Voltage (V) 23.929

Lamp flux (lm) 951 Current (A) 0.59384

Total flux (lm) 951 Power Factor 1

Report 230508

Filename FN3D-C80-27K.jdt

Operator

Date 2023-05-08 오후 2:37:51

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