

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 230426

2. Purpose of Report :**3. Number of Report :** 230426**4. Test Standard / Item :** / FN360 SD-24V-1M (DUAL_27K)**5. Test Period :** 230426 ~ 230426**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
230426			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4629 , 0.4132	
Correlated Color Temperature	K	2676	
Ra		92.76	
Power Factor		1.000	
Input Voltage	V	23.970	
Input Current	A	0.212	
Input Watt	W	5.0762	
Lamp Flux	lm	218.8	
Efficient	lm/W	43.10	
luminous Intensity (Max , Center)	cd	35 , 35	
Illuminance	lx	35	1 m
		9	2 m
		4	3 m

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

* Sample photo

Click to load image

Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

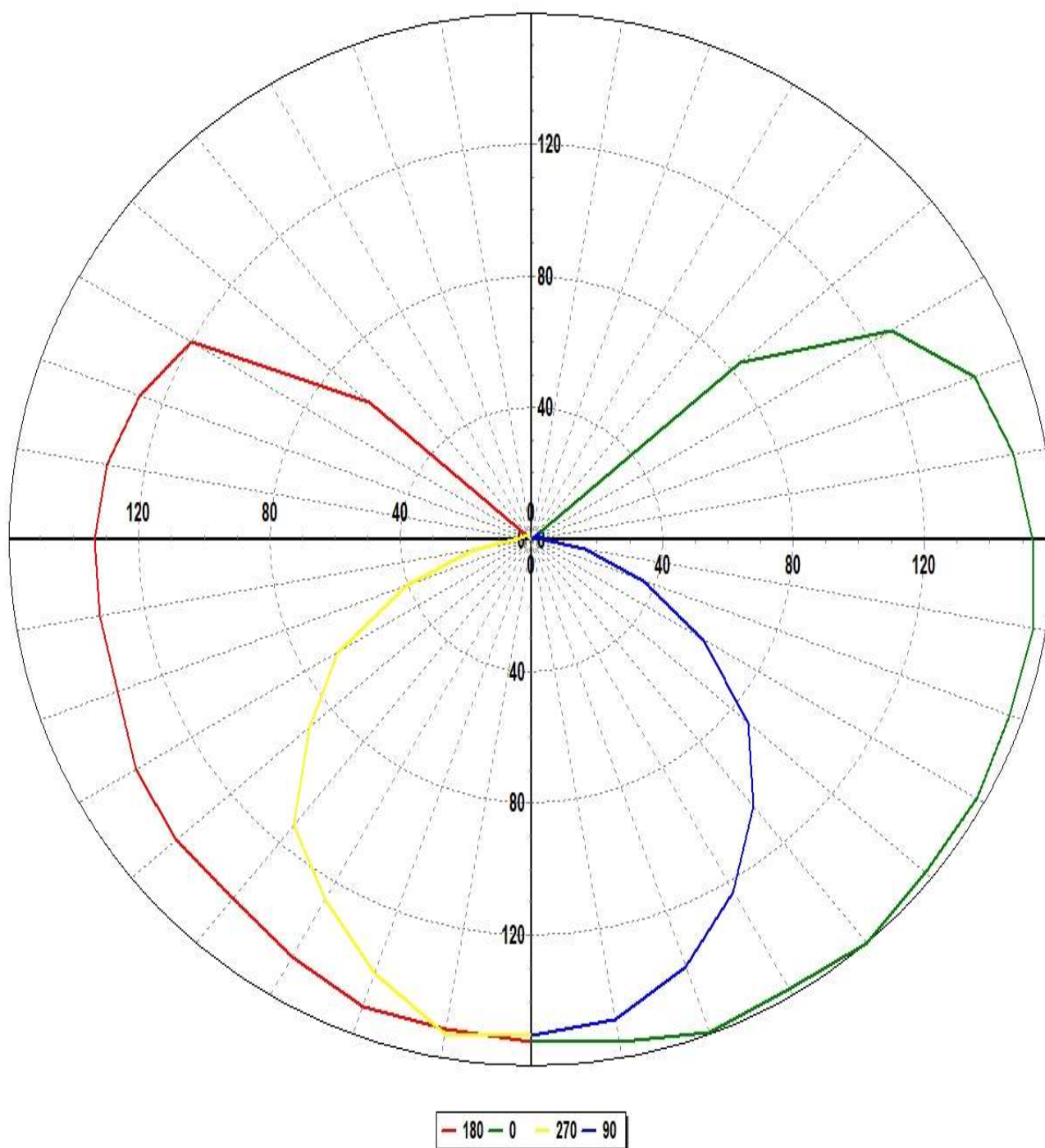
Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

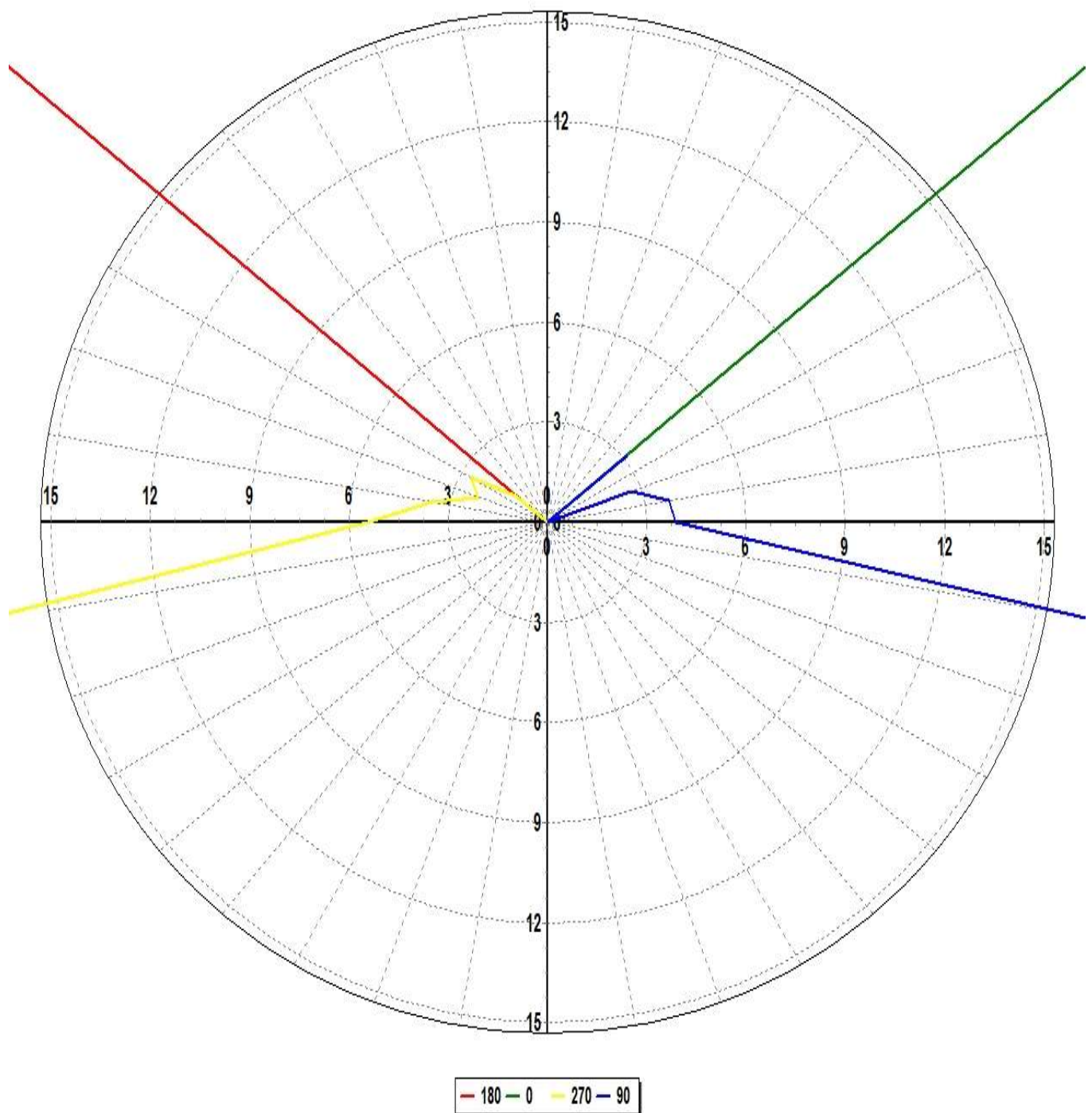
Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

Luminous Intensity Data

Maximum (cd) : 35

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	33.36	33.37	32.86	32.95	33.52	33.54	33.36	33.37	32.86	32.95	33.52	33.54	33.36
10	33.84	33.85	33.37	32.38	32.01	33.22	33.02	33.35	32.67	33.32	32.85	33.83	33.84
20	34.82	33.01	31.45	30.22	31.17	33.48	32.96	31.42	31.88	30.69	32.23	33.33	34.82
30	34.45	32.58	29.21	27.04	29.25	32.06	31.99	30.58	29.42	27.6	30.44	32.7	34.45
40	34.93	32.07	26.51	23.11	26.13	30.72	31.09	29.48	25.7	24.76	28.71	31.86	34.93
50	34.39	31.16	23.6	18.94	22.63	29.34	31.03	28.81	22.25	19.39	25.36	31.68	34.39
60	34.4	30.48	20.48	13.26	18.87	28.86	30.52	27.1	18.52	14.96	22.79	29.62	34.4
70	34.02	28.95	16.19	7.99	16.5	27.33	29.46	24.9	15.67	8.92	19.78	31.11	34.02
80	34.08	27.52	13.85	3.67	14.58	26.45	29.29	23.96	12.67	4.04	17.71	30.31	34.08
90	33.53	26.8	11.86	0.85	13.83	25.78	29.2	23.92	11.26	1.18	17.41	29.22	33.53
100	32.72	26.98	13.37	0.81	14.16	25.06	28.81	24.2	11.86	0.78	16.28	28.33	32.72
110	31.55	26.57	8.7	0.59	8.37	24.72	27.89	23.73	9.53	0.48	12.9	28.54	31.55
120	27.82	19.06	2.83	-0.16	4.92	24.97	26.25	16.56	1.92	0.59	3.29	20.06	27.82
130	18.21	6.59	8.39	0.68	9.05	14.78	14.17	9.36	6.66	0.27	10.06	8.64	18.21

Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

Luminous Flux Table

Total Lamp Lumens: 218.77

Luminaire Efficiency (lm/W): 43.10

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.80	0.80	0.36	0.36
10	6.30	7.10	3.24	3.24
20	12.07	19.17	8.76	8.76
30	16.76	35.93	16.42	16.42
40	20.24	56.18	25.67	25.68
50	22.27	78.45	35.85	35.86
60	22.91	101.36	46.33	46.33
70	22.37	123.73	56.55	56.56
80	21.40	145.14	66.33	66.34
90	20.52	165.66	75.71	75.72
100	20.08	185.73	84.89	84.90
110	17.46	203.19	92.87	92.88
120	11.71	214.90	98.22	98.23
130	3.87	218.77	99.99	100.00

Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V)

23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A)

0.21177

Operator

Total flux (lm) 219

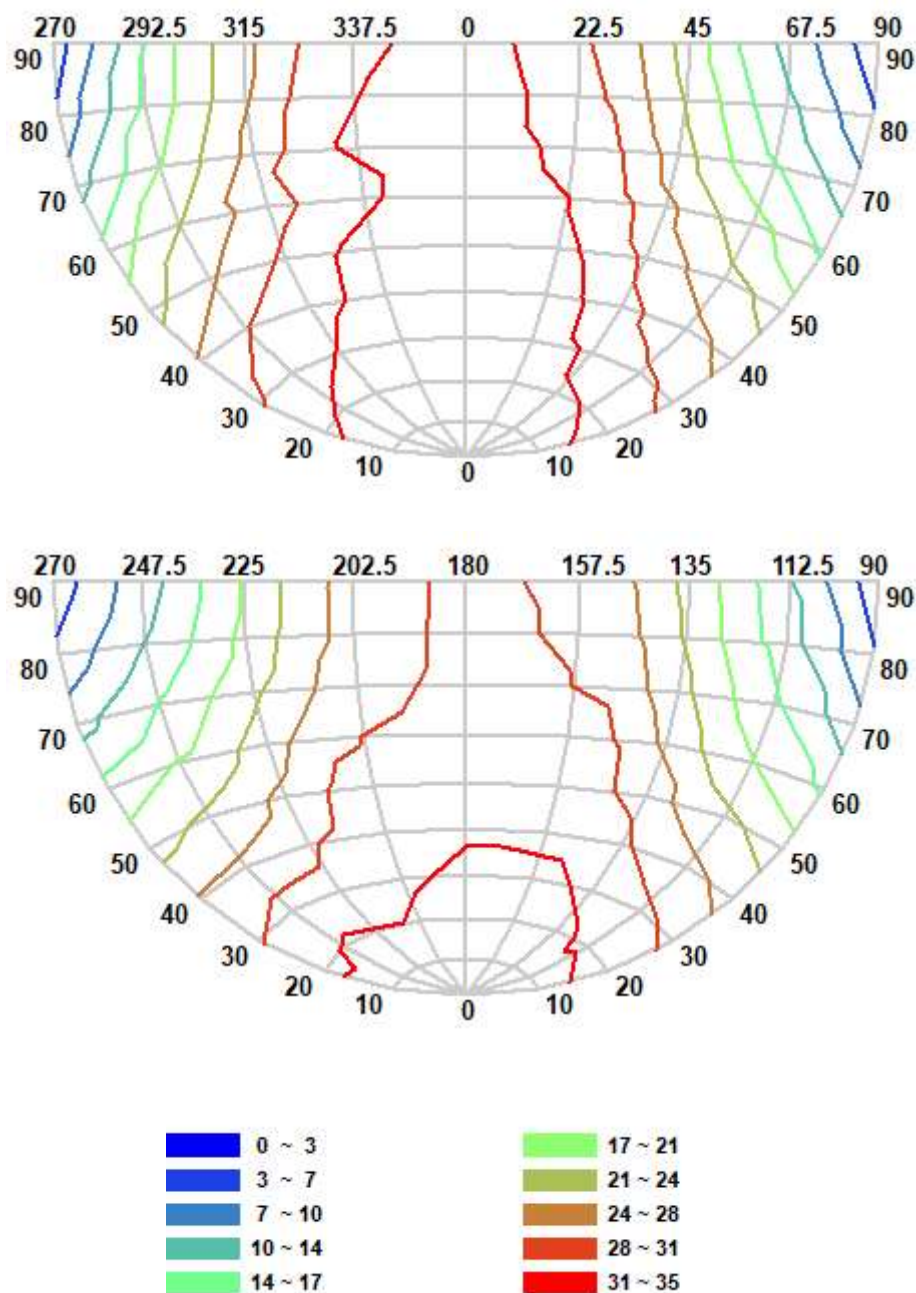
Power Factor

1

Date

2023-04-26 오후 3:15:10

IsoCandela (Type C)



Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

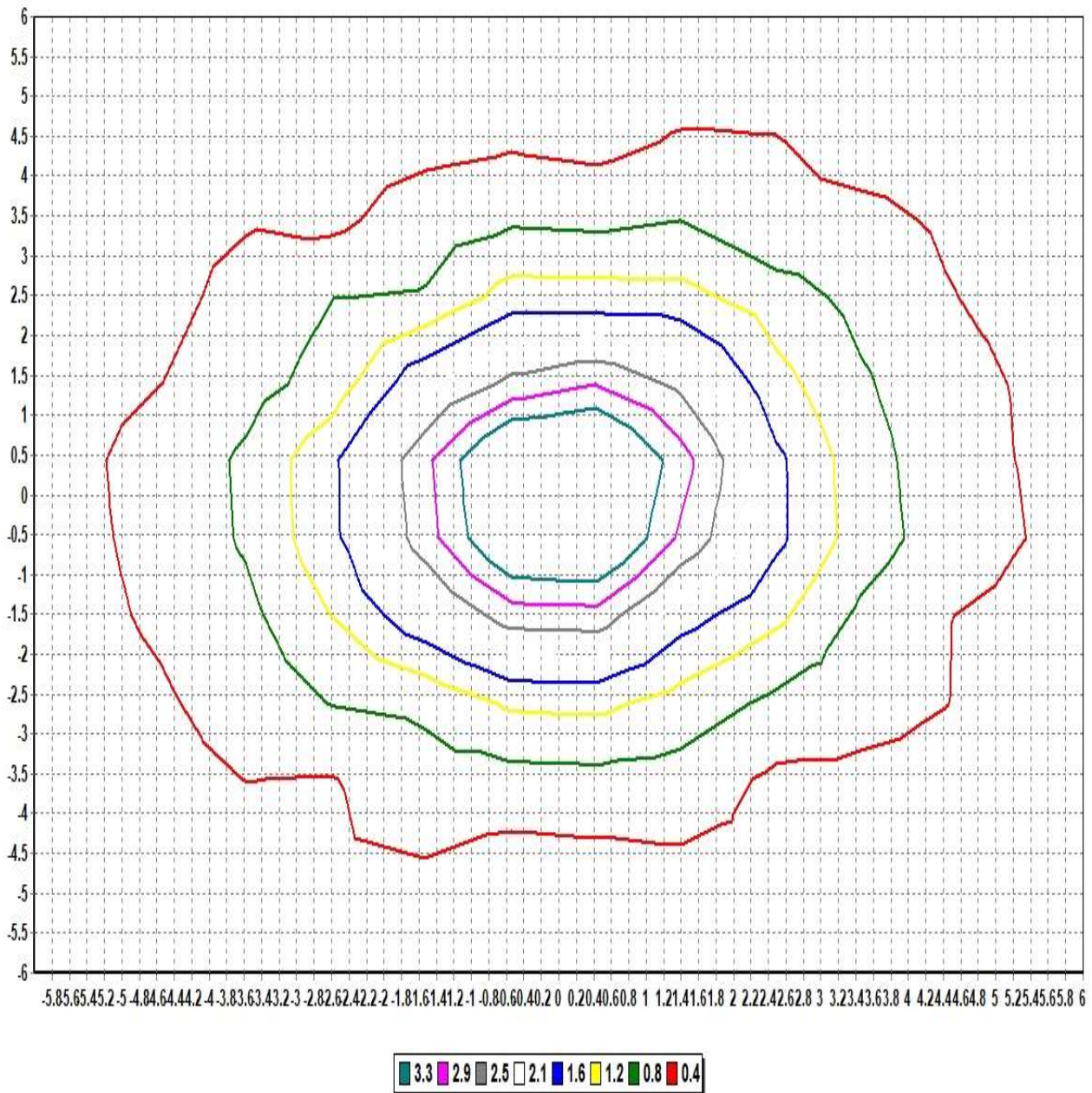
Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

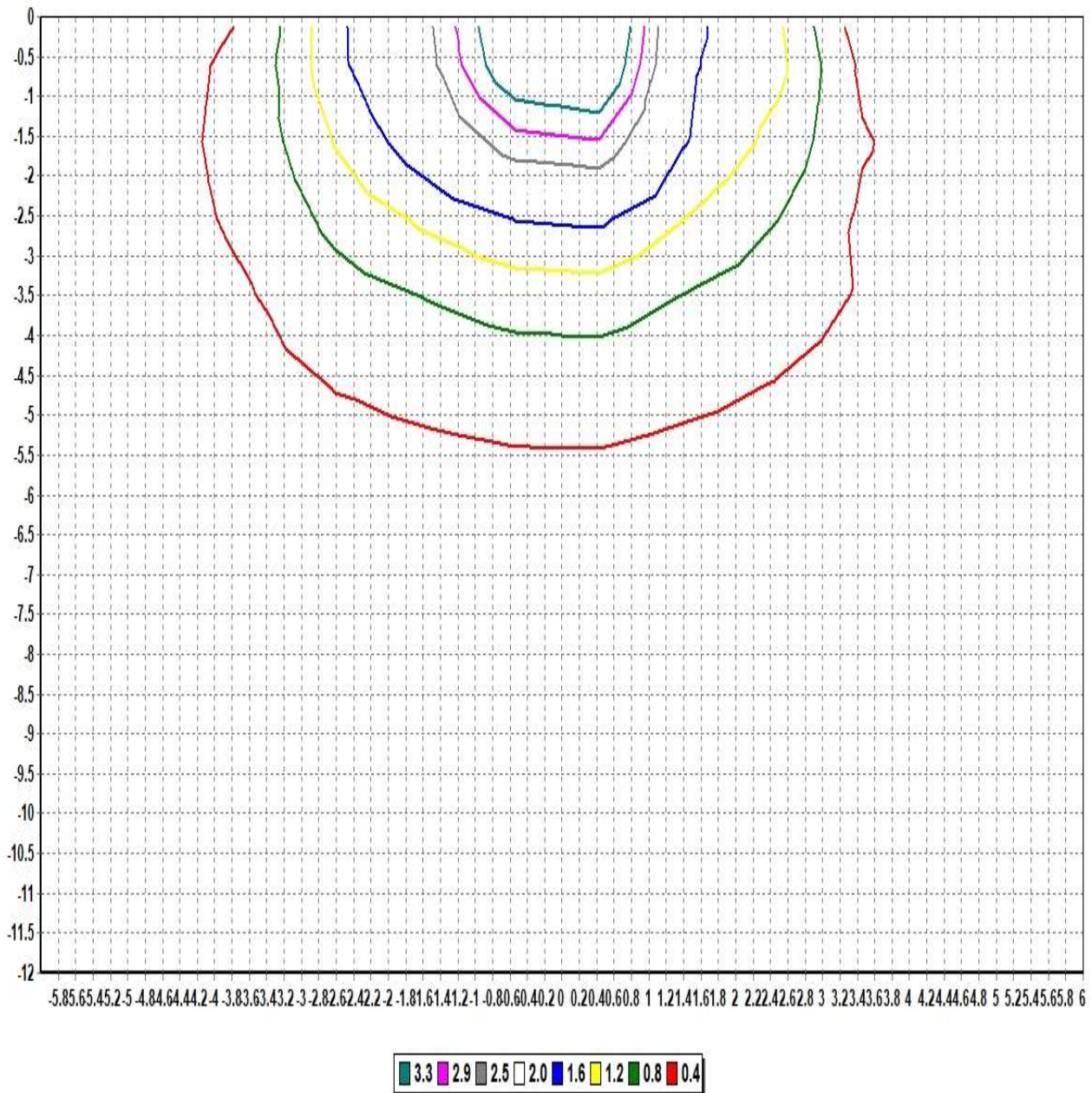
Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

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)	23.97
Lamp flux (lm)	219	Current (A)	0.21177
Total flux (lm)	219	Power Factor	1

Report 230426

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Operator

Date 2023-04-26 오후 3:15:10

Illuminance Levels (Ground)

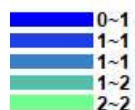
6.00	0.06	0.07	0.05	0.11	0.12	0.14	0.10	0.11	0.21	0.20	0.11	0.11	0.12
5.00	0.12	0.08	0.09	0.11	0.25	0.30	0.27	0.28	0.35	0.19	0.17	0.20	0.16
4.00	0.15	0.20	0.20	0.28	0.35	0.42	0.37	0.41	0.56	0.37	0.36	0.26	0.20
3.00	0.13	0.28	0.41	0.37	0.66	0.80	0.81	1.06	0.78	0.69	0.49	0.35	0.21
2.00	0.18	0.29	0.39	0.88	1.00	1.62	1.74	1.97	1.49	1.02	0.59	0.39	0.26
1.00	0.27	0.43	0.67	0.95	1.68	2.74	3.66	3.20	2.03	1.22	0.73	0.46	0.29
0.00	0.28	0.46	0.74	1.27	2.24	3.73	4.58	3.83	2.47	1.42	0.83	0.51	0.32
-1.00	0.26	0.42	0.67	1.11	1.86	3.00	3.76	2.82	1.83	1.05	0.73	0.47	0.30
-2.00	0.23	0.36	0.52	0.91	1.36	1.82	1.83	1.78	1.08	0.92	0.45	0.32	0.20
-3.00	0.18	0.30	0.45	0.62	0.74	0.99	0.84	0.87	0.70	0.42	0.44	0.31	0.15
-4.00	0.17	0.23	0.32	0.34	0.50	0.40	0.40	0.41	0.42	0.30	0.23	0.22	0.18
-5.00	0.14	0.17	0.15	0.18	0.32	0.28	0.27	0.29	0.28	0.12	0.11	0.09	0.13
-6.00	0.11	0.10	0.10	0.17	0.18	0.12	0.11	0.14	0.14	0.14	0.06	0.08	0.07
-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.) : 4.5759

Illum. (Min.) : 0.0550

Illum. (Avg.) : 0.6707

All illuminance level values are in lux.



Luminaire KH FEELUX

Lamp

Report

230426

No. of lamps 1

Voltage (V) 23.97

Filename FN360 SD-24V-1M (DUAL_27K).jdt

Lamp flux (lm) 219

Current (A) 0.21177

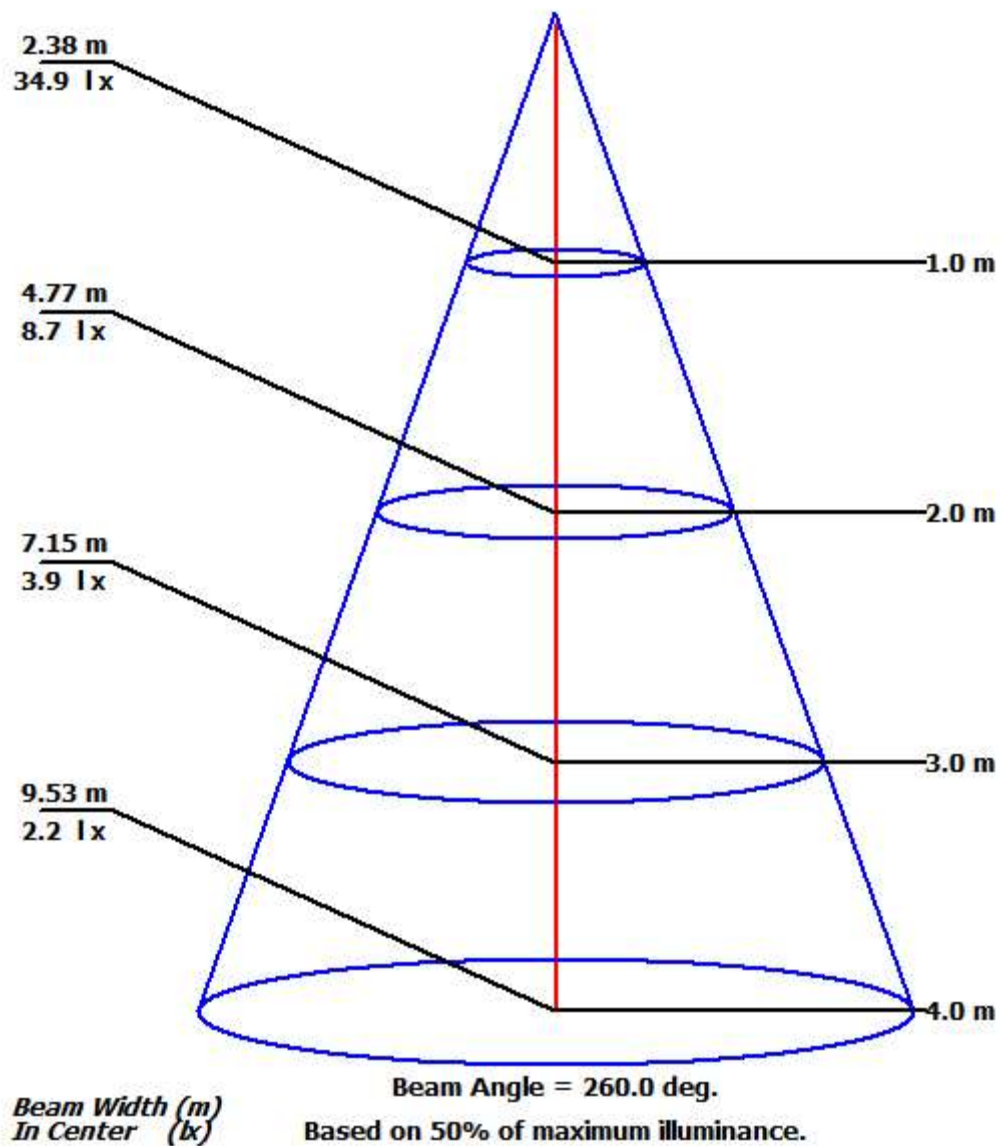
Operator

Total flux (lm) 219

Power Factor 1

Date 2023-04-26 오후 3:15:10

Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.97
Lamp flux (lm)	219	Current (A)	0.21177
Total flux (lm)	219	Power Factor	1

Report	230426
Filename	FN360 SD-24V-1M (DUAL_27K).jdt
Operator	
Date	2023-04-26 오후 3:15:10

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