

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84
* Date of Receipt : 230426

2. Purpose of Report :

3. Number of Report : 230426

4. Test Standard / Item : / FN360 SD-24V-1M (DUAL_50K)

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 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
230426			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3433 , 0.3490	
Correlated Color Temperature	K	5060	
Ra		95.08	
Power Factor		1.000	
Input Voltage	V	23.970	
Input Current	A	0.211	
Input Watt	W	5.0666	
Lamp Flux	lm	243.1	
Efficient	lm/W	47.98	
luminous Intensity (Max , Center)	cd	39 , 39	
Illuminance	lx	39	1 m
		10	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_50K).jdt

Lamp flux (lm) 243

Current (A) 0.21137

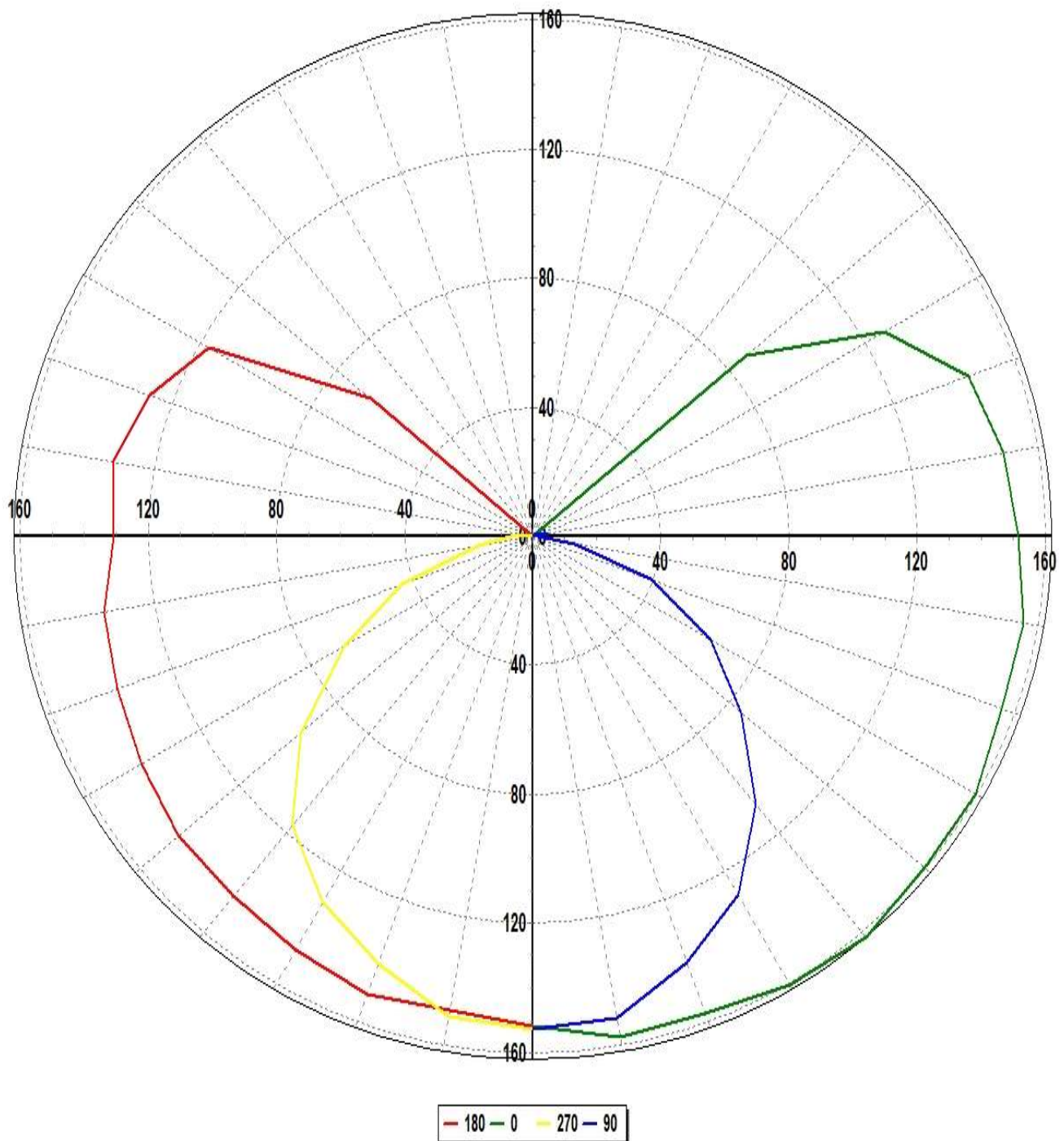
Operator

Total flux (lm) 243

Power Factor 1

Date 2023-04-26 오후 3:35:57

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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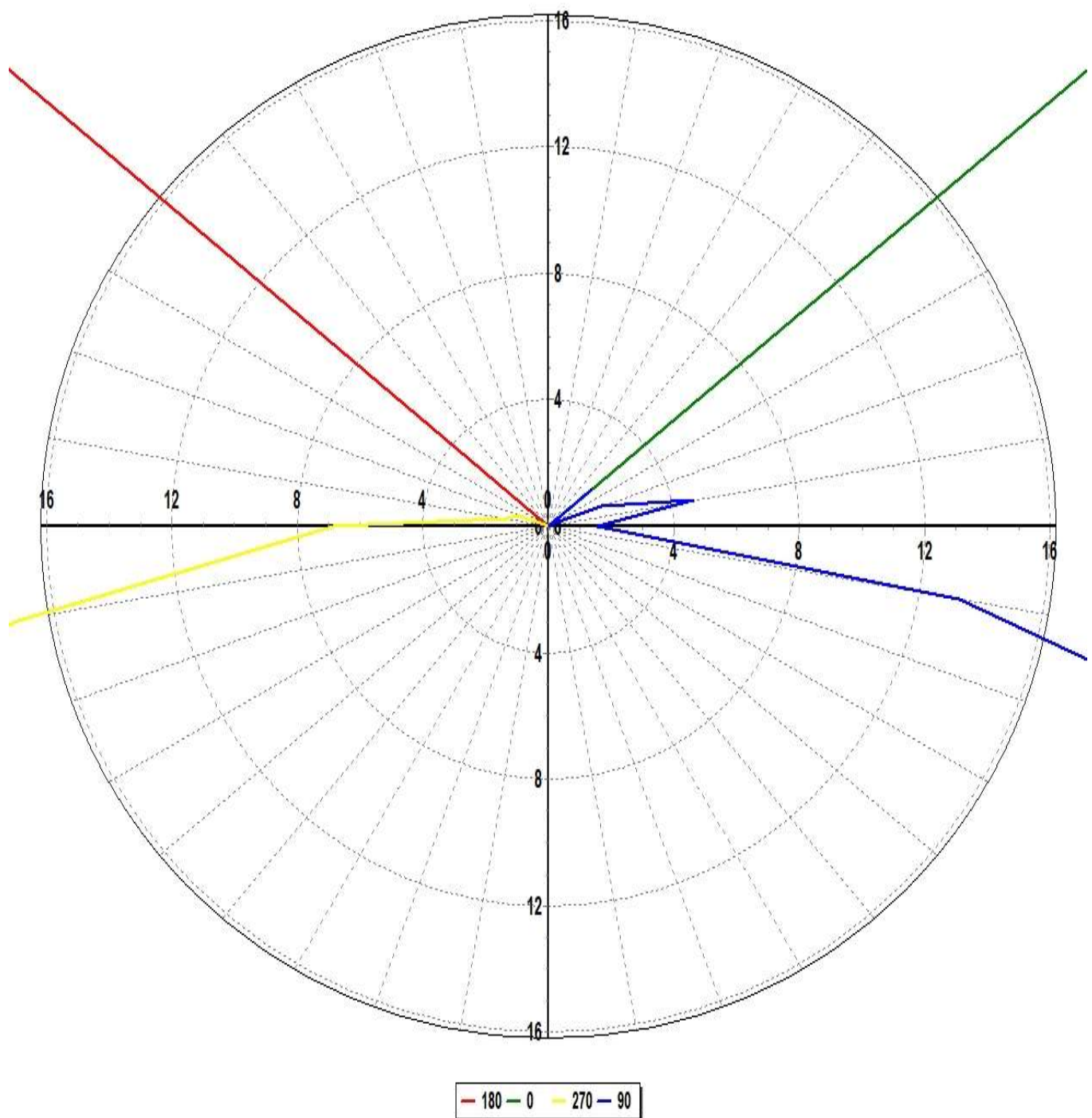
Operator

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Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Luminous Intensity Data

Maximum (cd) : 39

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	36.91	37.6	37.84	37.15	37.03	36.73	36.91	37.6	37.84	37.15	37.03	36.73	36.91
10	38.29	37.48	36.72	36.81	36.59	36.69	36.28	37.38	37.01	36.78	37.14	37.79	38.29
20	38.24	37.33	35.33	34.16	35.3	36.04	36.71	36.12	35.28	34.24	36.63	37.71	38.24
30	39.01	36.41	32.37	31.21	32.28	34.86	36	34.36	32.34	31.82	34.16	37.82	39.01
40	39.39	35.57	29.4	26.34	28.01	33.08	35.35	32.53	28.58	28.39	31.64	37.08	39.39
50	38.84	34.25	26.12	20.62	25.29	32.24	35.11	30.78	24.8	22.98	28.59	36.78	38.84
60	38.84	33.51	22.61	15.57	21.6	31.06	34.28	29.7	20.89	16.47	25.22	35.99	38.84
70	37.9	32.26	18.52	9.57	19.15	29.02	33.54	28.16	17.51	10.53	22.31	34.46	37.9
80	37.84	31.1	15.75	3.23	16.44	28.38	33.04	26.65	14.5	4.18	19.31	33.99	37.84
90	36.83	30.84	14.15	0.38	15.87	28.13	31.84	27.23	12.93	1.66	18.36	32.55	36.83
100	36.31	30.63	14.62	1.15	16.57	27.88	32.37	26.13	13.15	0.33	17.99	32.43	36.31
110	35.2	29.28	9.21	0.44	9.51	27.91	30.98	26.17	10.05	0.25	15.43	31.14	35.2
120	30.84	20.39	2.93	0.01	4.99	16.96	28.35	18.8	2.14	0.03	3.63	22.92	30.84
130	21.11	6.98	9.34	0.44	10.29	6.62	16.08	10.21	7.41	0	11.02	9.92	21.11

Luminaire KH FEELUX

Lamp

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Operator

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Power Factor 1

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Luminous Flux Table

Total Lamp Lumens: 243.09

Luminaire Efficiency (lm/W): 47.98

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.89	0.89	0.37	0.37
10	7.05	7.94	3.27	3.27
20	13.52	21.46	8.83	8.83
30	18.83	40.29	16.57	16.57
40	22.61	62.90	25.87	25.87
50	24.92	87.82	36.12	36.12
60	25.75	113.56	46.71	46.72
70	25.12	138.68	57.05	57.05
80	23.77	162.45	66.82	66.83
90	22.89	185.34	76.24	76.24
100	22.43	207.77	85.47	85.47
110	19.35	227.11	93.42	93.43
120	12.02	239.13	98.37	98.37
130	3.97	243.09	100.00	100.00

Luminaire KH FEELUX

Lamp

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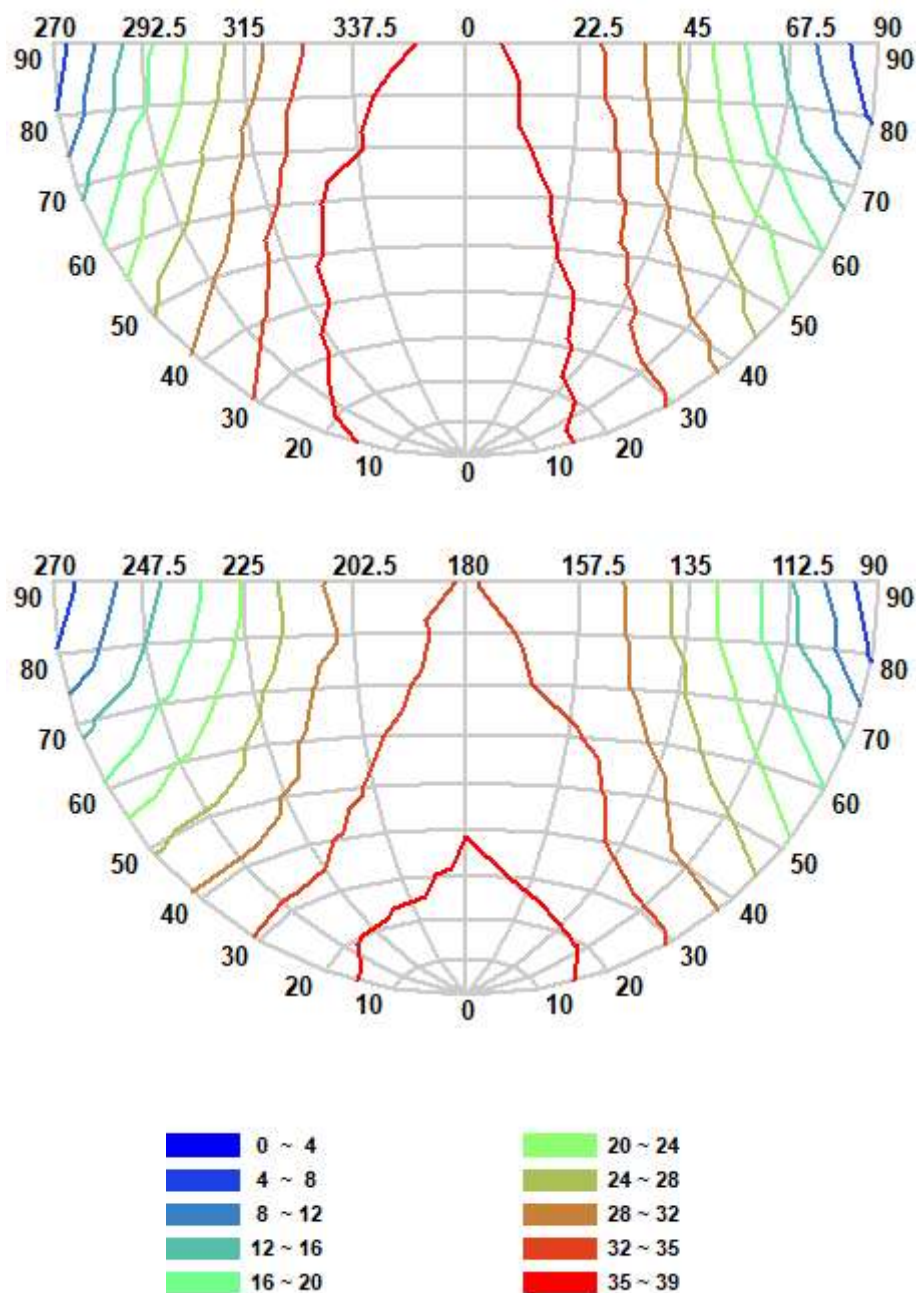
Power Factor

1

Date

2023-04-26 오후 3:35:57

IsoCandela (Type C)



Luminaire KH FEELUX

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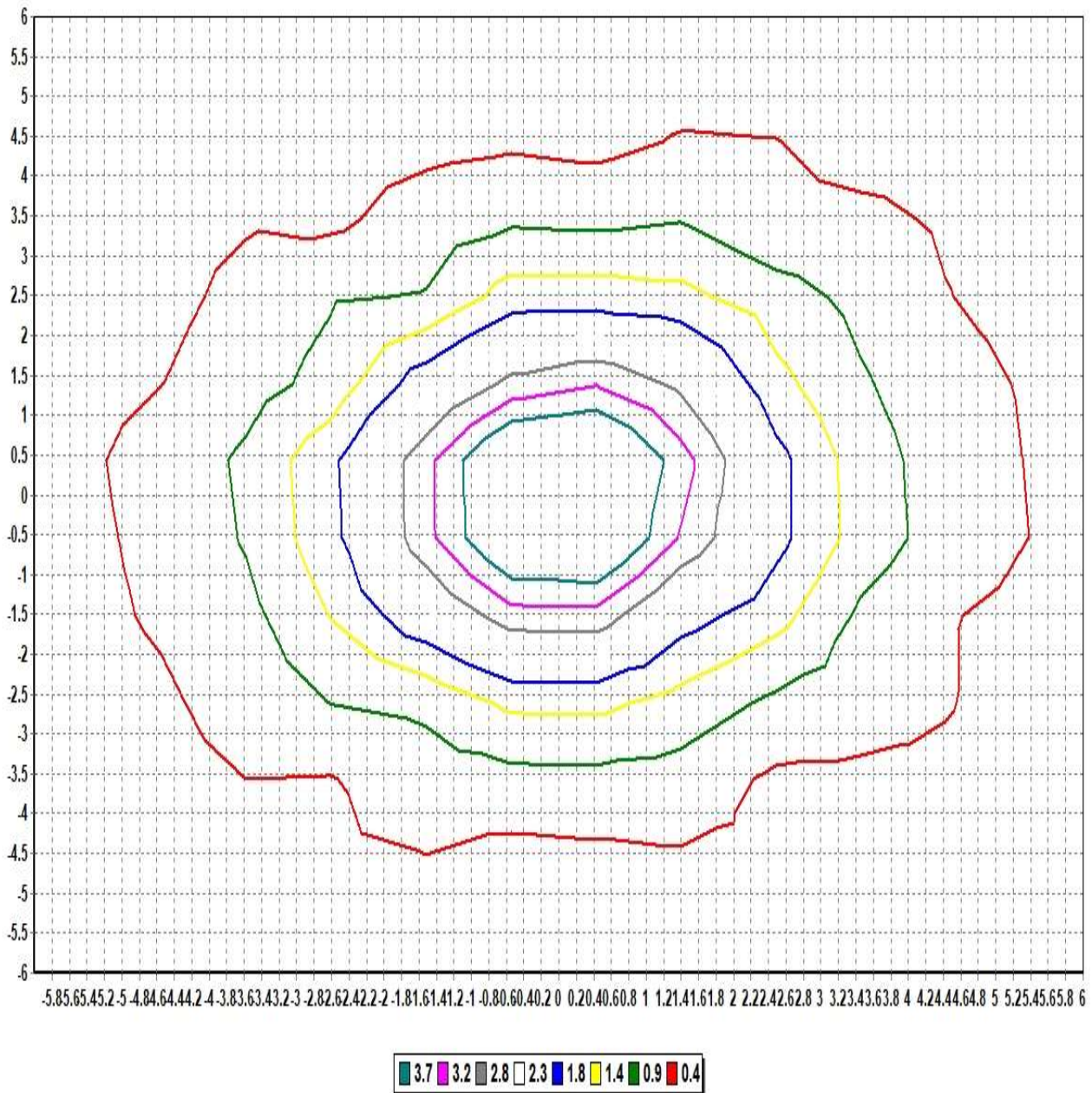
Operator

Total flux (lm) 243

Power Factor 1

Date 2023-04-26 오후 3:35:57

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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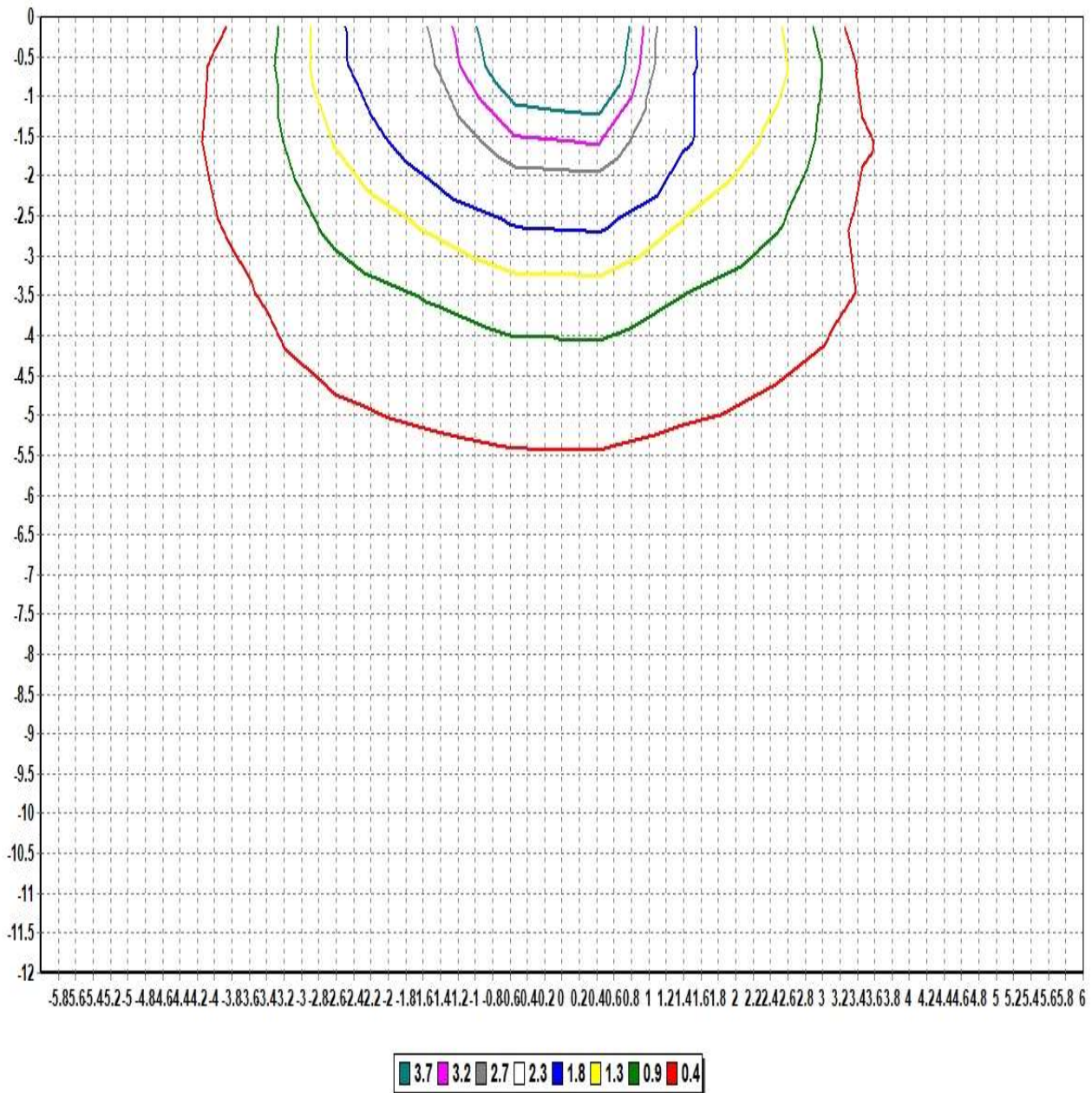
Operator

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Power Factor 1

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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)	23.97
Lamp flux (lm)	243	Current (A)	0.21137
Total flux (lm)	243	Power Factor	1

Report

230426

Filename FN360 SD-24V-1M (DUAL_50K).jdt

Operator

Date

2023-04-26 오후 3:35:57

Illuminance Levels (Ground)

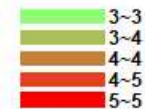
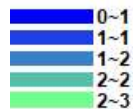
6.00	0.07	0.08	0.07	0.13	0.14	0.16	0.11	0.13	0.23	0.22	0.12	0.12	0.14
5.00	0.13	0.09	0.11	0.13	0.28	0.33	0.29	0.31	0.39	0.21	0.19	0.22	0.18
4.00	0.17	0.22	0.23	0.31	0.40	0.47	0.42	0.46	0.61	0.40	0.40	0.29	0.22
3.00	0.15	0.30	0.45	0.42	0.73	0.89	0.89	1.17	0.86	0.77	0.56	0.39	0.24
2.00	0.20	0.32	0.44	0.95	1.11	1.75	2.00	2.19	1.67	1.14	0.65	0.44	0.29
1.00	0.30	0.48	0.75	1.05	1.80	3.09	4.15	3.60	2.26	1.35	0.84	0.53	0.33
0.00	0.32	0.51	0.83	1.44	2.53	4.11	5.06	4.33	2.79	1.60	0.93	0.57	0.36
-1.00	0.28	0.47	0.74	1.22	2.06	3.38	4.15	3.20	2.03	1.20	0.85	0.53	0.34
-2.00	0.25	0.39	0.57	1.03	1.50	2.01	2.11	1.97	1.23	1.07	0.51	0.37	0.23
-3.00	0.21	0.34	0.50	0.68	0.83	1.07	0.99	1.00	0.80	0.47	0.51	0.35	0.17
-4.00	0.19	0.26	0.36	0.38	0.55	0.46	0.46	0.46	0.47	0.34	0.26	0.25	0.20
-5.00	0.16	0.19	0.17	0.20	0.35	0.32	0.32	0.32	0.32	0.14	0.12	0.10	0.15
-6.00	0.12	0.11	0.11	0.19	0.21	0.14	0.12	0.16	0.16	0.15	0.07	0.09	0.08
-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.) : 5.0633

Illum. (Min.) : 0.0653

Illum. (Avg.) : 0.7510

All illuminance level values are in lux.



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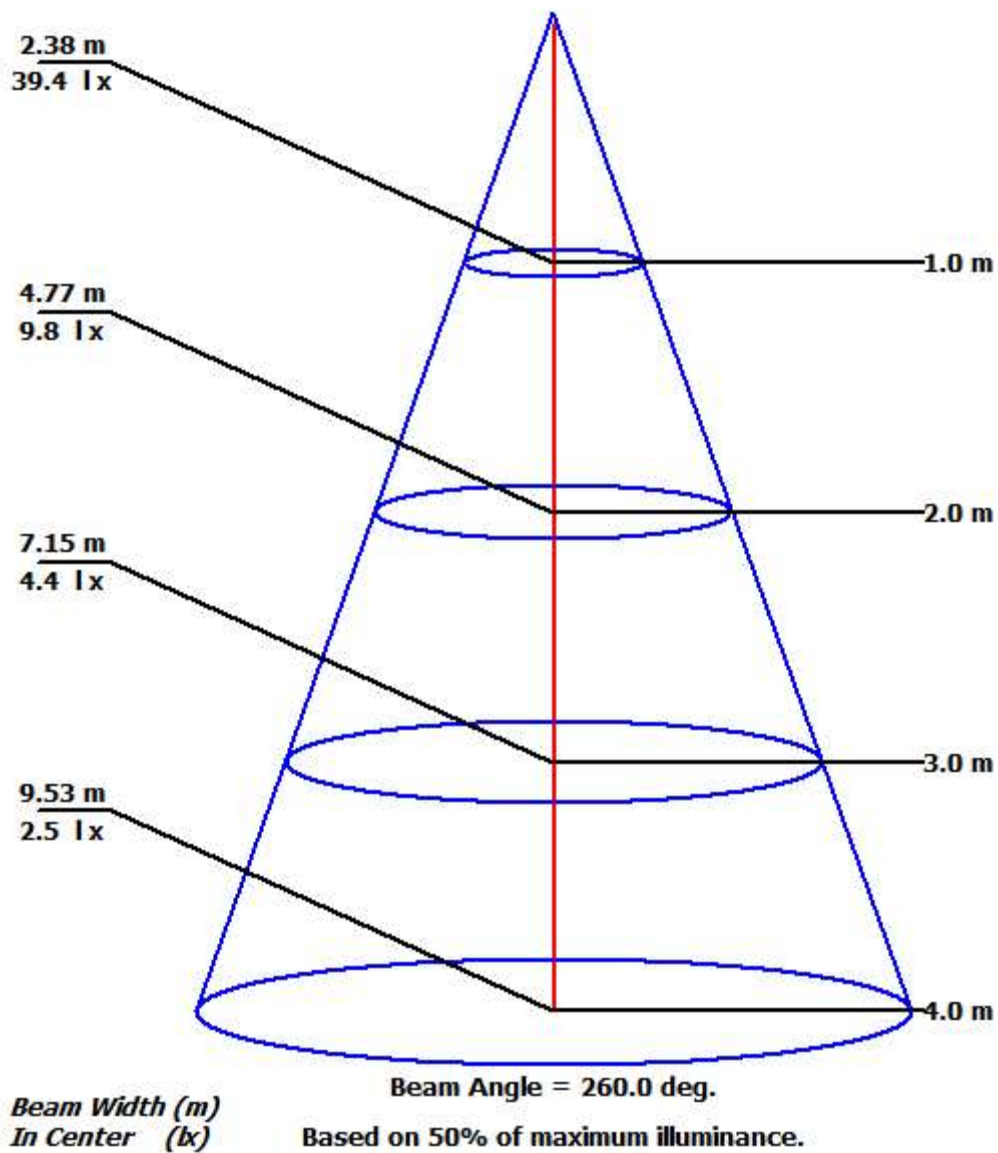
Operator

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Power Factor 1

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Illuminance Cone Diagram



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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