

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 35K-24V-1M

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		0.4024 , 0.3943	
Correlated Color Temperature	K	3592	
Ra		92.84	
Power Factor		1.000	
Input Voltage	V	23.951	
Input Current	A	0.401	
Input Watt	W	9.611	
Lamp Flux	lm	505.5	
Efficient	lm/W	52.59	
luminous Intensity (Max , Center)	cd	82 , 82	
Illuminance	lx	82	1 m
		20	2 m
		9	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) 23.951

Lamp flux (lm) 506

Current (A) 0.40129

Total flux (lm) 506

Power Factor 1

Report

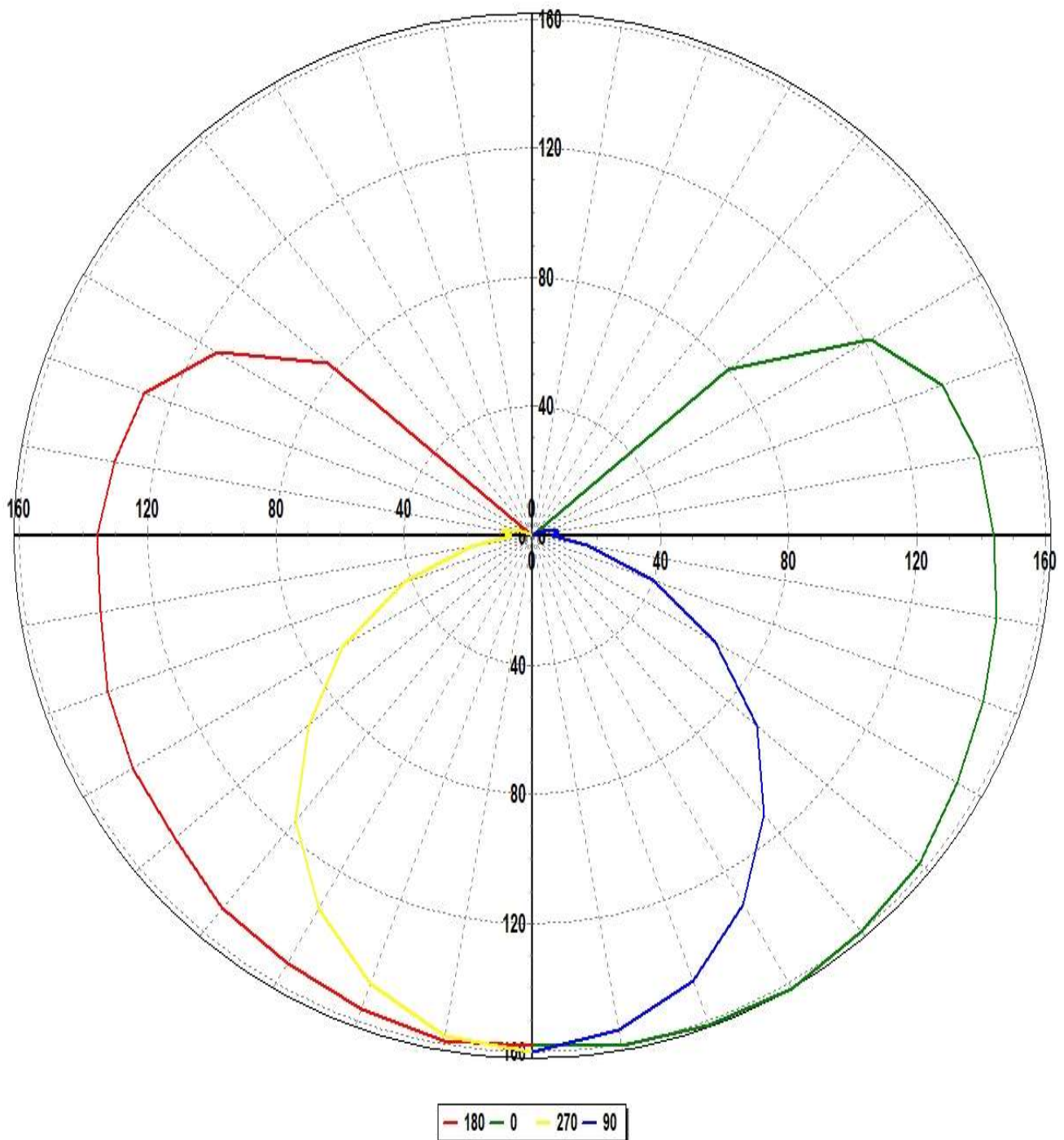
230426

Filename FN360 35K-24V-1M.jdt

Operator

Date 2023-04-26 오후 5:09:22

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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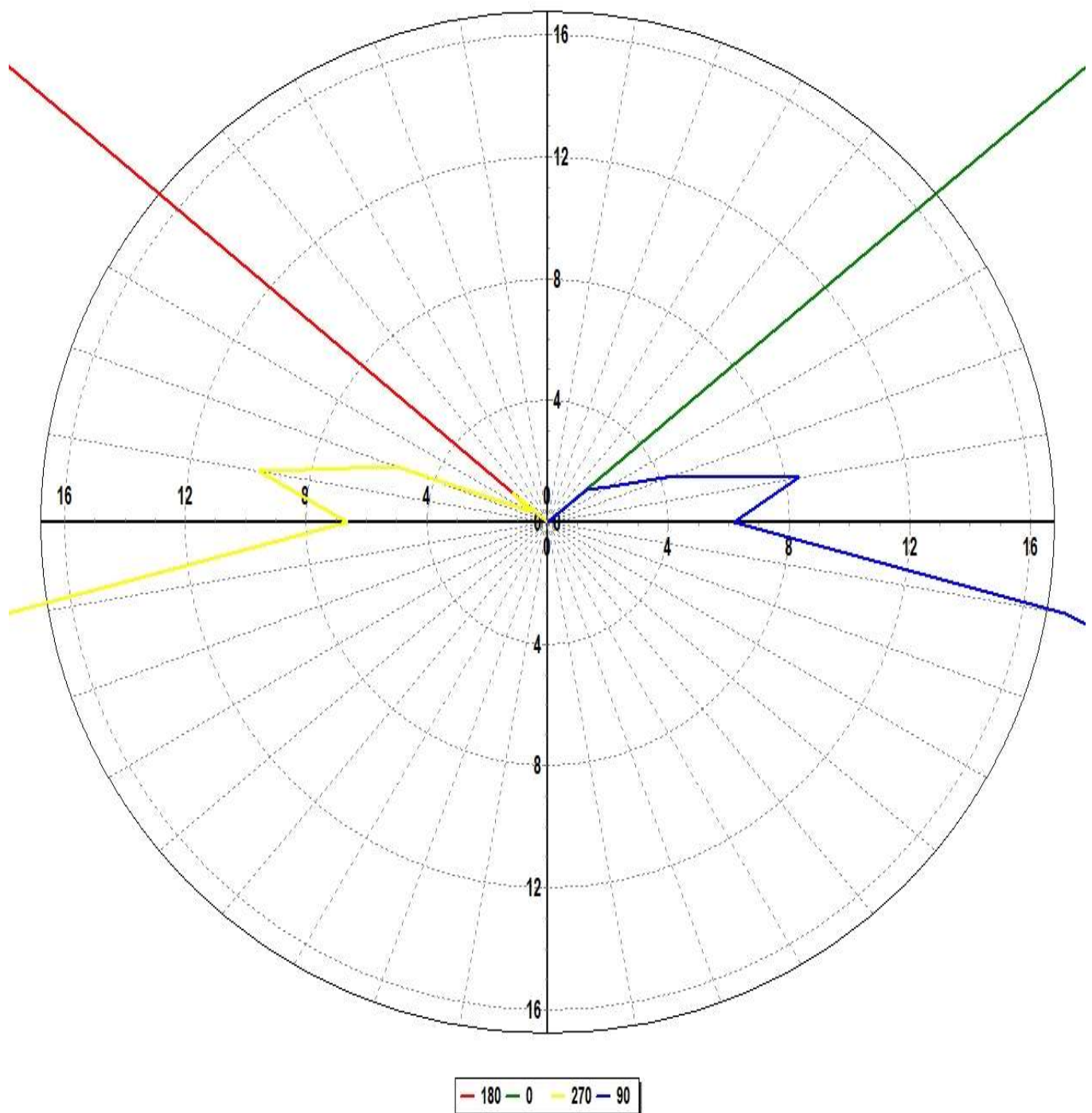
Operator

Total flux (lm) 506

Power Factor 1

Date 2023-04-26 오후 5:09:22

Luminous Intensity Distribution (Lowest 10%)



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Power Factor 1

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Luminous Intensity Data

Maximum (cd) : 82

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	79.7	80.22	80.14	80.79	80.38	80.5	79.7	80.22	80.14	80.79	80.38	80.5	79.7
10	81.04	80.33	78.99	78.51	79.49	79.45	80.24	79.96	78.89	79.56	79.06	80.26	81.04
20	81.48	80.25	76.51	74.01	75.7	77.6	78.79	78.92	75.63	74.65	75.84	79.89	81.48
30	81.78	78.06	70.99	66.55	70.21	73.51	77.27	74.37	69.11	67.42	71.43	78.53	81.78
40	80.76	76.41	64.33	56.85	61.96	71.12	76.07	71.04	61.52	58.15	65	75.89	80.76
50	79.72	72.6	56.96	46.23	53.82	67.22	73.71	67.73	54.06	46.1	57.59	73.26	79.72
60	77.4	69.28	48.37	33.36	46.04	64.57	72.76	64.37	45.26	34.49	49.38	71.4	77.4
70	75.67	65.59	40.5	20.28	38.79	60.94	71.26	61.61	38.2	21.36	42.21	67.08	75.67
80	74.34	62.61	34.46	8.8	32.58	58.69	69.18	58.08	32.09	9.98	35.24	63.26	74.34
90	72.78	61.2	30.98	3.12	29.56	57.48	68.69	56.05	26.92	3.35	32.54	62.17	72.78
100	71.5	60.55	31.8	4.27	31.81	56.93	66.88	52.83	28.54	4.9	31.94	60.18	71.5
110	68.9	58.35	23.25	2.27	24.67	56.34	65.2	52.91	26.67	2.69	27.07	59.21	68.9
120	61.63	40.39	9.42	1.2	6.21	40.72	57.33	40.7	6.65	0.34	7.49	43.06	61.63
130	40.36	15.43	20.57	0.85	19.1	18.18	42.04	24.57	19.34	0.77	22.16	24.6	40.36

Luminaire KH FEELUX

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Operator

Total flux (lm) 506

Power Factor 1

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Luminous Flux Table

Total Lamp Lumens: 505.54

Luminaire Efficiency (lm/W): 52.60

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.92	1.92	0.38	0.38
10	15.15	17.07	3.38	3.38
20	29.01	46.08	9.11	9.11
30	40.12	86.20	17.05	17.05
40	48.05	134.25	26.56	26.56
50	52.37	186.62	36.92	36.91
60	53.49	240.10	47.50	47.49
70	51.76	291.86	57.74	57.73
80	48.48	340.34	67.33	67.32
90	46.08	386.41	76.44	76.44
100	45.13	431.55	85.37	85.36
110	40.10	471.64	93.30	93.30
120	24.91	496.55	98.23	98.22
130	8.99	505.54	100.01	100.00

Luminaire KH FEELUX

Lamp

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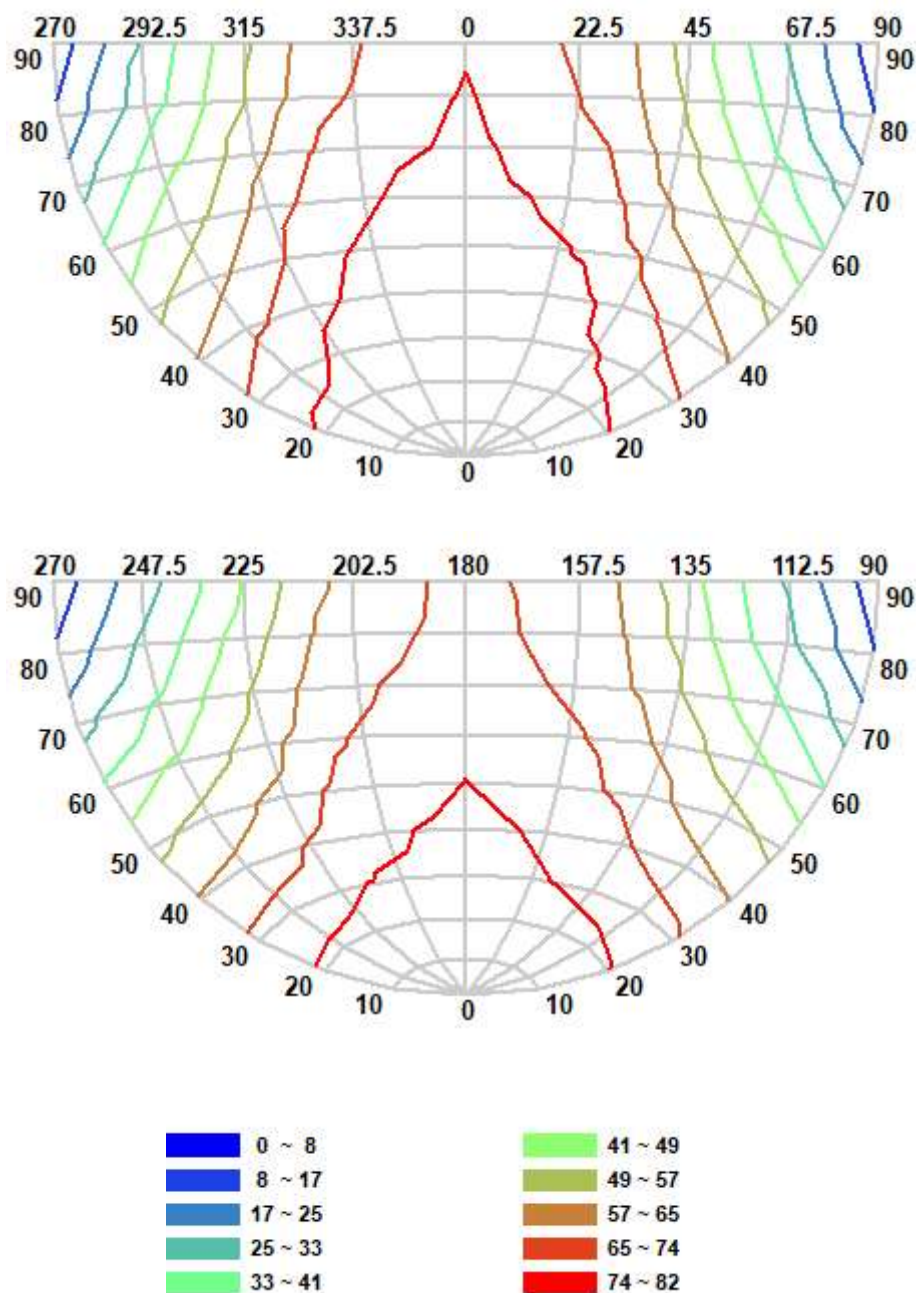
Operator

Total flux (lm) 506

Power Factor 1

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IsoCandela (Type C)



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Total flux (lm) 506

Power Factor 1

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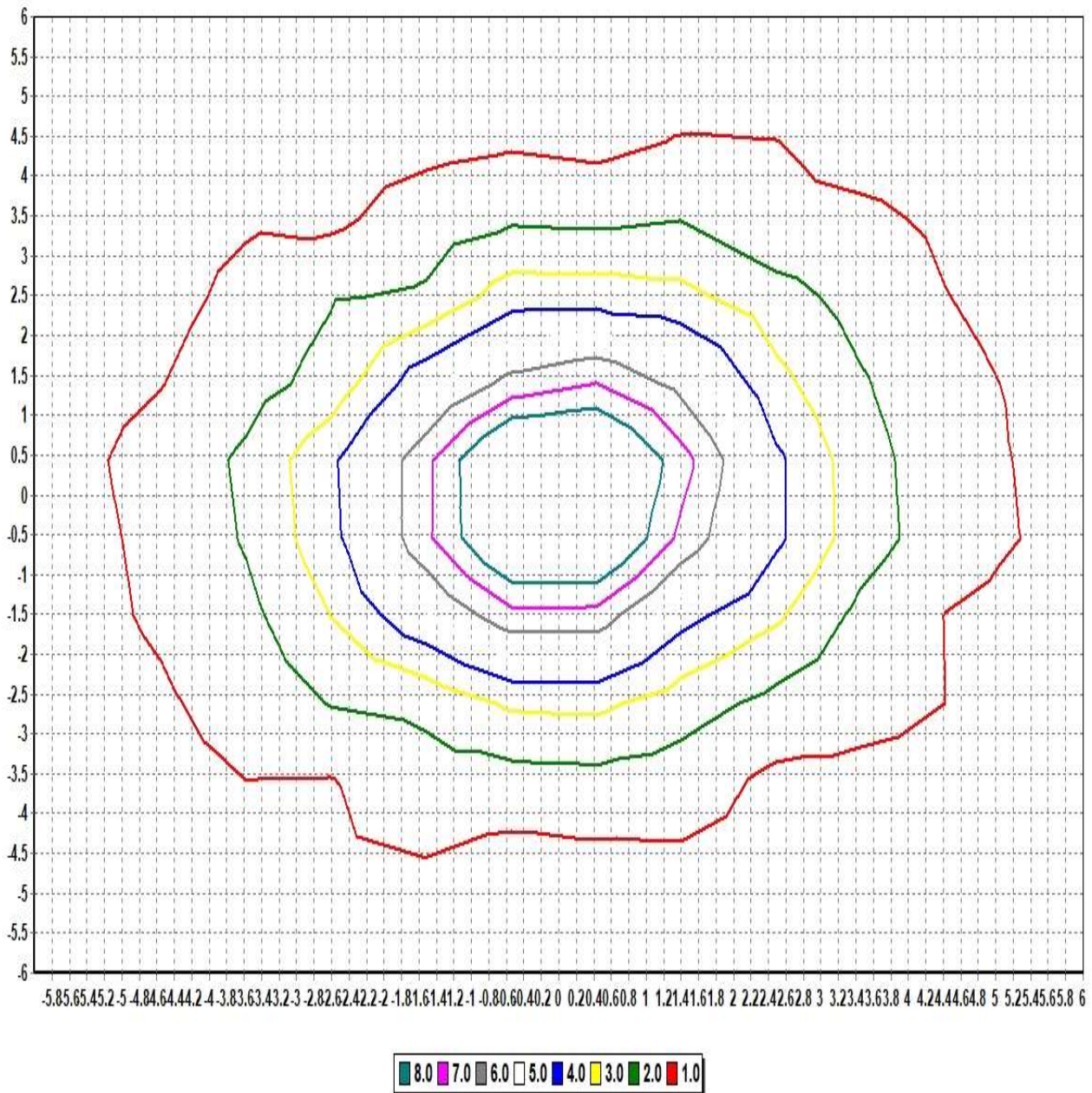
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Filename FN360 35K-24V-1M.jdt

Operator

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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Current (A) 0.40129

Total flux (lm) 506

Power Factor 1

Report

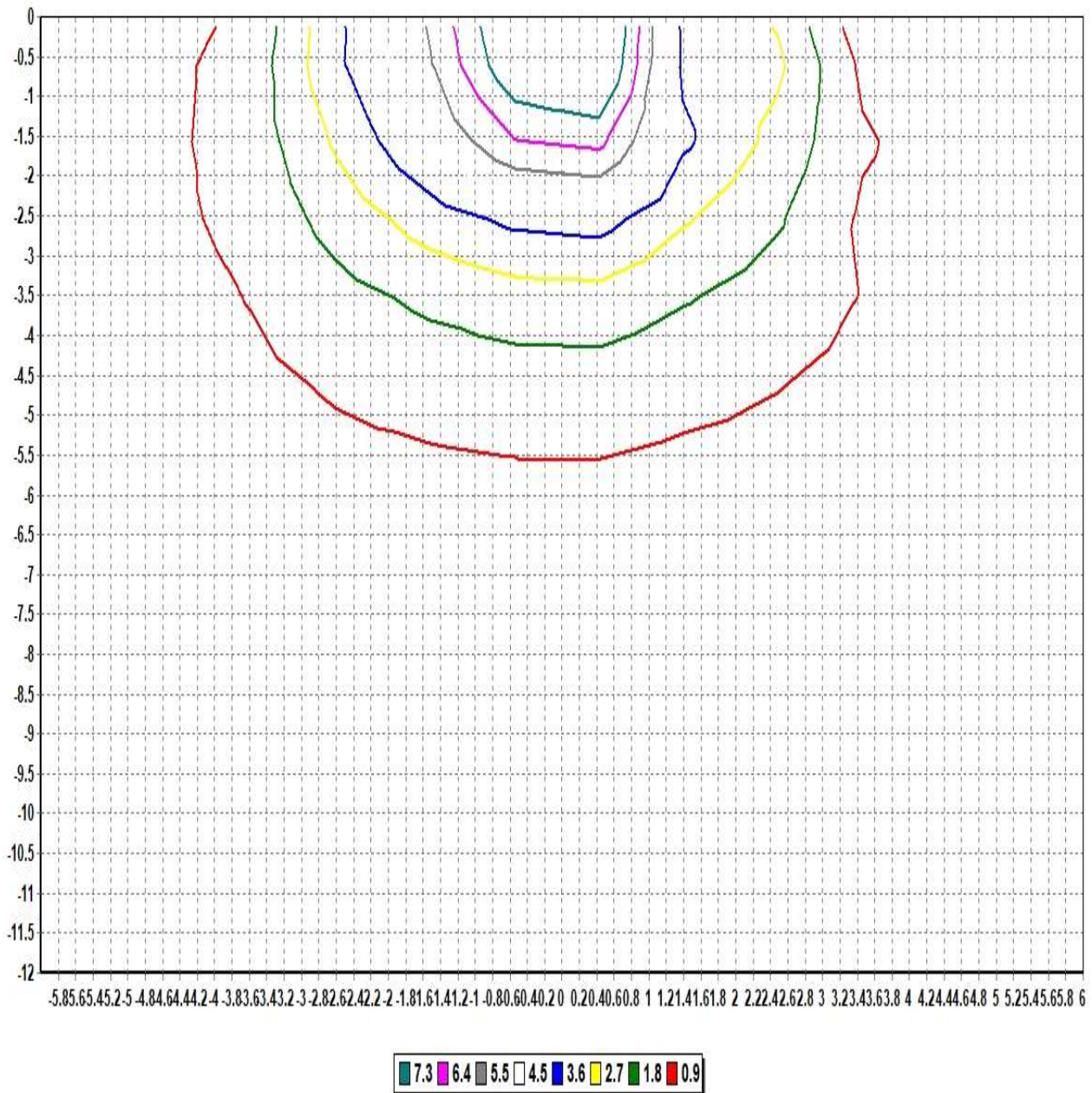
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IsoLux Diagram (Wall)



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

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Lamp flux (lm) 506 Current (A) 0.40129

Operator

Total flux (lm) 506 Power Factor 1

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Illuminance Levels (Ground)

6.00	0.14	0.17	0.14	0.27	0.29	0.35	0.24	0.29	0.48	0.45	0.26	0.26	0.28
5.00	0.28	0.19	0.23	0.28	0.60	0.71	0.65	0.67	0.82	0.46	0.40	0.44	0.36
4.00	0.35	0.45	0.50	0.68	0.86	1.01	0.93	0.99	1.28	0.87	0.82	0.59	0.44
3.00	0.30	0.63	0.93	0.90	1.60	1.93	1.99	2.51	1.88	1.57	1.14	0.78	0.48
2.00	0.41	0.68	0.93	2.03	2.41	3.87	4.29	4.71	3.48	2.36	1.34	0.91	0.58
1.00	0.63	1.00	1.57	2.23	3.97	6.67	8.86	7.64	4.82	2.83	1.69	1.06	0.65
0.00	0.68	1.08	1.76	3.05	5.44	9.07	10.93	9.17	5.77	3.28	1.88	1.17	0.72
-1.00	0.60	0.97	1.56	2.64	4.50	7.30	8.98	6.75	4.17	2.40	1.70	1.08	0.68
-2.00	0.55	0.85	1.24	2.21	3.24	4.39	4.37	4.04	2.50	2.17	1.00	0.74	0.45
-3.00	0.45	0.73	1.06	1.47	1.79	2.35	1.99	2.01	1.64	0.94	1.02	0.70	0.33
-4.00	0.41	0.56	0.76	0.82	1.19	0.97	0.94	0.98	0.92	0.69	0.52	0.49	0.38
-5.00	0.33	0.41	0.38	0.43	0.77	0.66	0.65	0.69	0.63	0.29	0.25	0.20	0.30
-6.00	0.26	0.24	0.24	0.43	0.45	0.28	0.26	0.33	0.31	0.30	0.15	0.18	0.15
-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.) : 10.932

Illum. (Min.) : 0.1373

Illum. (Avg.) : 1.5886

All illuminance level values are in lux.



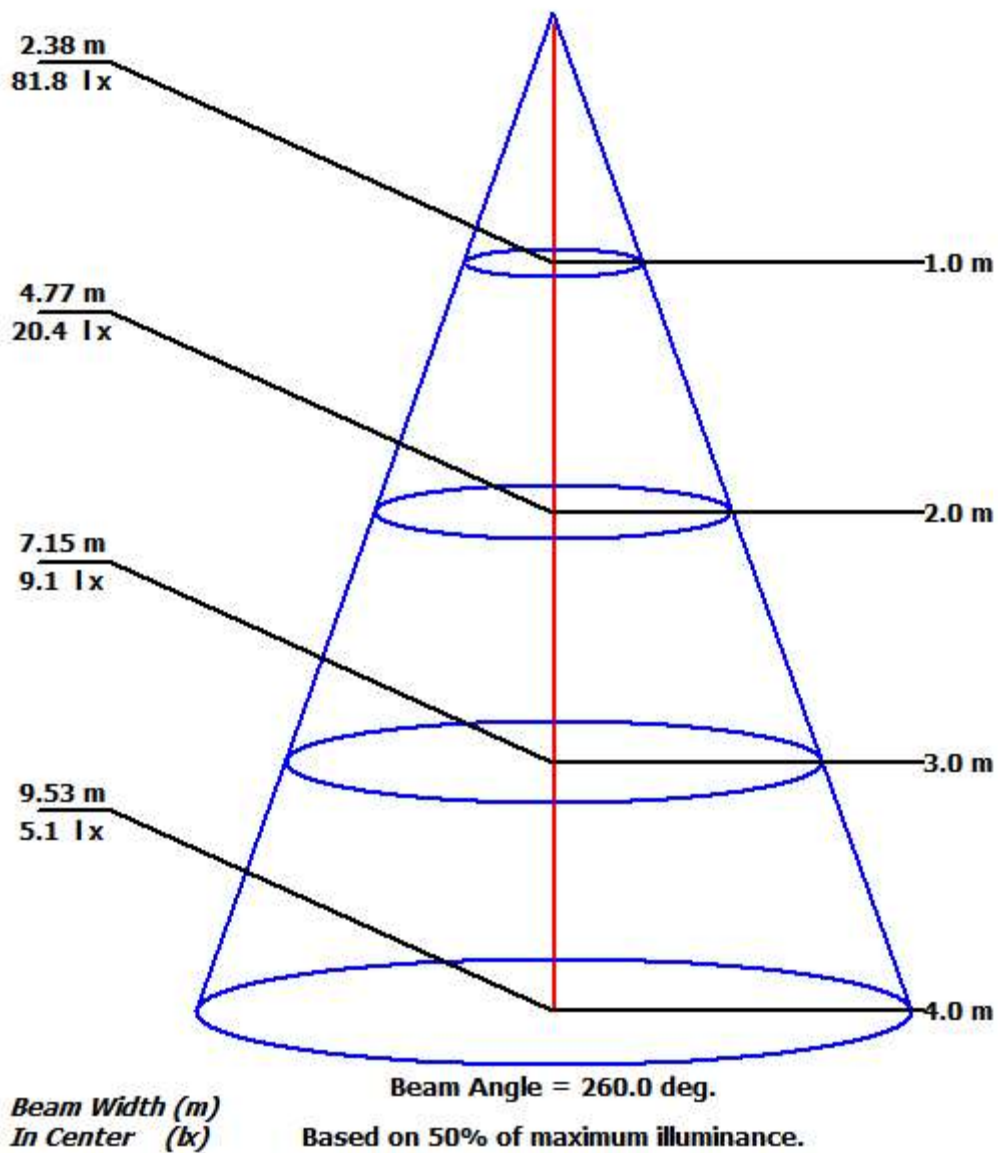
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.951
Lamp flux (lm)	506	Current (A)	0.40129
Total flux (lm)	506	Power Factor	1

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 506 Current (A) 0.40129

Operator

Total flux (lm) 506 Power Factor 1

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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