

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 27K-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		0.4658 , 0.4168	
Correlated Color Temperature	K	2665	
Ra		93.63	
Power Factor		1.000	
Input Voltage	V	23.950	
Input Current	A	0.405	
Input Watt	W	9.708	
Lamp Flux	lm	470.6	
Efficient	lm/W	48.48	
luminous Intensity (Max , Center)	cd	77 , 77	
Illuminance	lx	77	1 m
		19	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

Report

230426

No. of lamps 1

Voltage (V) 23.95

Filename FN360 27K-24V-1M.jdt

Lamp flux (lm) 471

Current (A) 0.40533

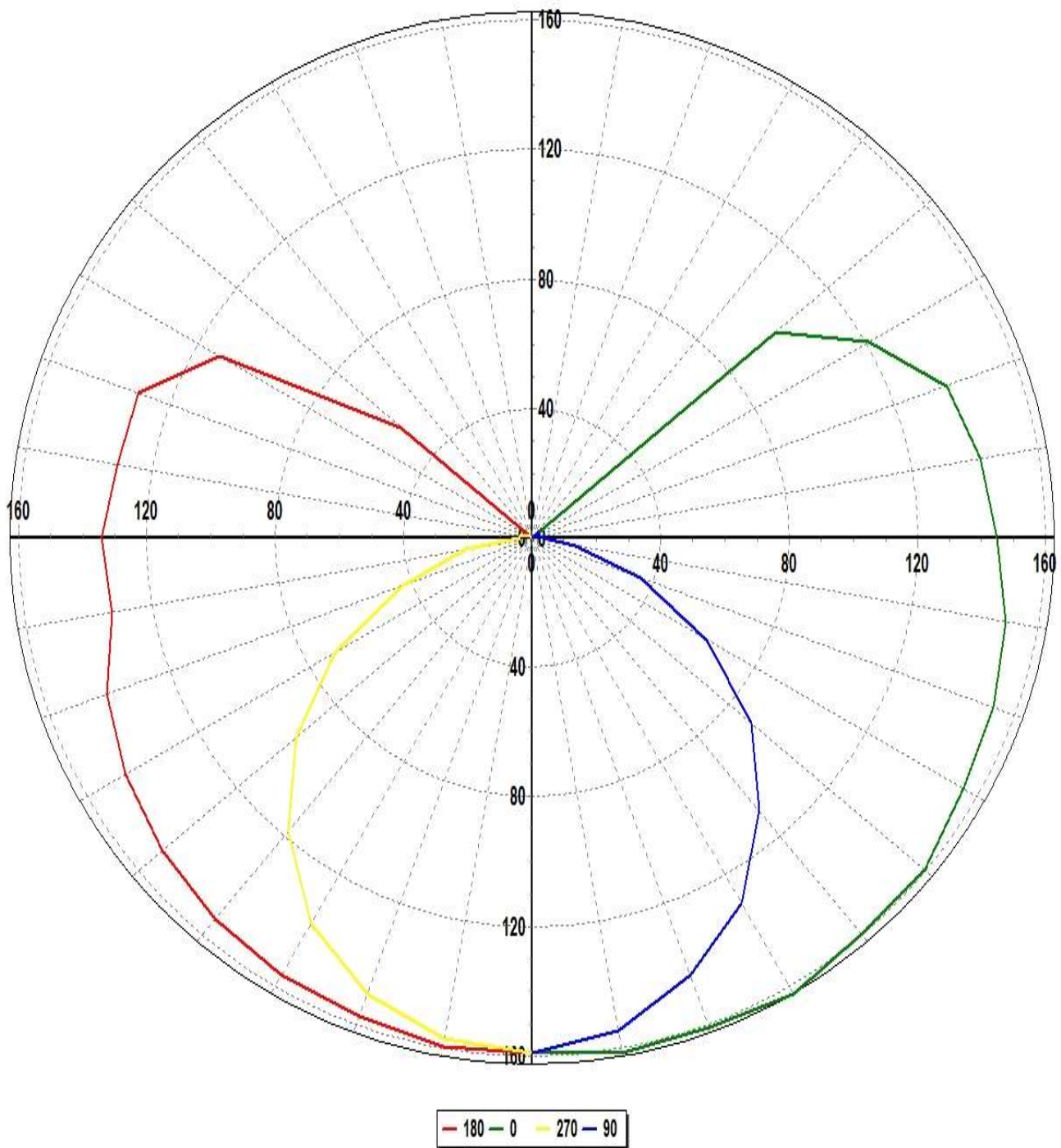
Operator

Total flux (lm) 471

Power Factor 1

Date 2023-04-26 오후 4:39:58

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

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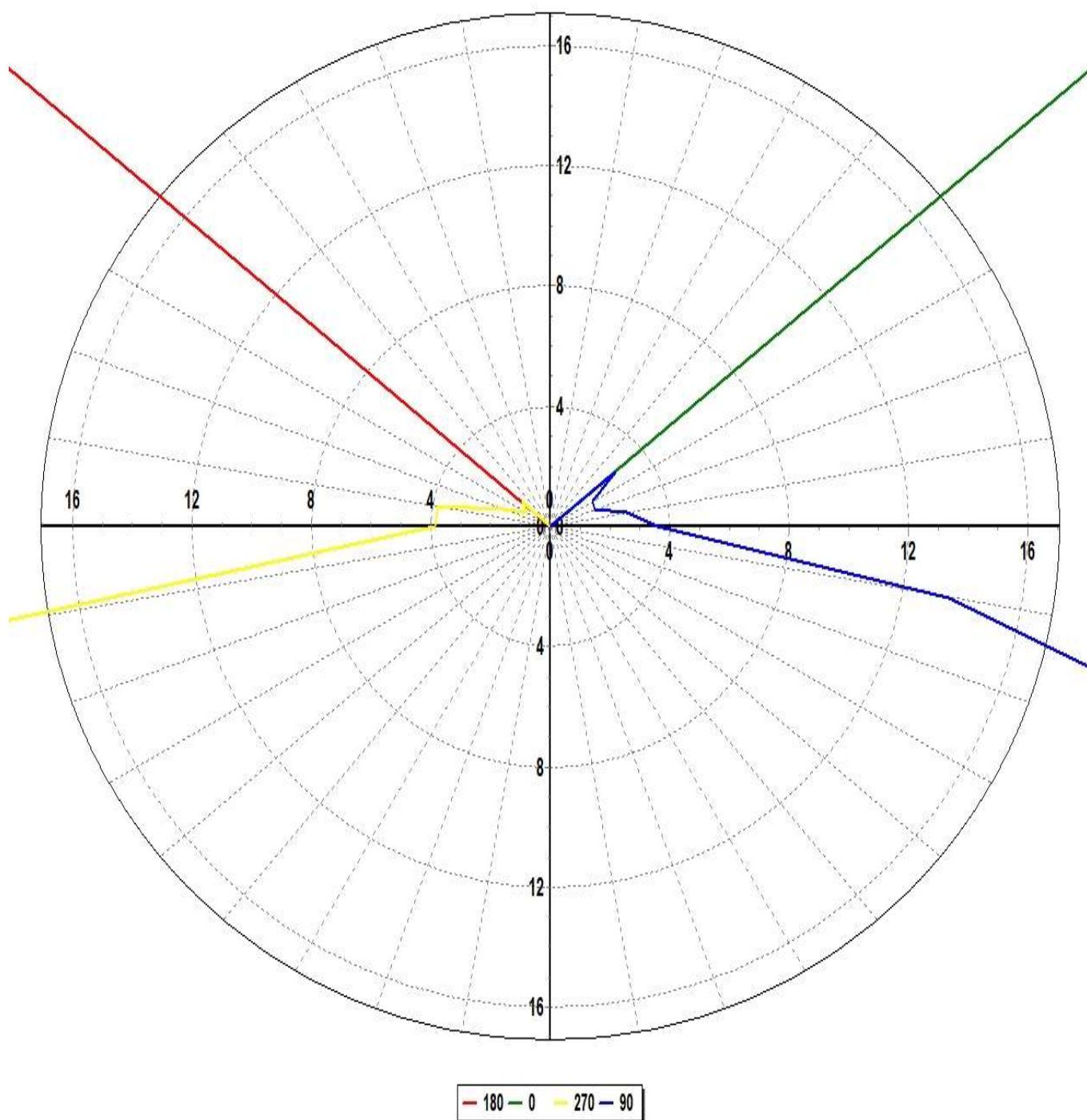
Operator

Total flux (lm) 471

Power Factor 1

Date 2023-04-26 오후 4:39:58

Luminous Intensity Distribution (Lowest 10%)



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Power Factor 1

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Luminous Intensity Data

Maximum (cd) : 77

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	74.99	74.87	74.66	74.98	75.01	74.98	74.99	74.87	74.66	74.98	75.01	74.98	74.99
10	76.02	75.39	74.02	72.69	73.33	74.24	75.2	75.02	73.88	73.99	74.81	75.16	76.02
20	75.71	74.44	70.44	67.73	69.63	72.57	73.99	73.58	71.54	70.67	72.24	74.4	75.71
30	76.53	71.61	64.67	61.36	64.55	69.71	73.48	70.7	66.5	64.77	67.33	72.95	76.53
40	75.19	70.1	58.19	51.76	57.79	66.78	72.22	68.09	60.02	55.59	61.23	71.11	75.19
50	75.13	67.7	50.95	41.87	49.89	64.26	70.81	65.09	52.09	45.1	54.43	68.77	75.13
60	73.03	64.75	43.67	29.51	41.88	60.27	68.79	62.46	44.21	33.44	46.64	66.55	73.03
70	71.93	62.23	36.68	16.85	36.11	57.17	66.28	59.25	37.91	20.22	41.06	63.11	71.93
80	70.52	58.85	31.28	6.39	29.91	55.59	62.51	56.04	31.48	9.89	33.49	60.35	70.52
90	68.19	57.27	28.76	1.7	28.13	53.23	63.15	51.15	24.92	1.81	30.85	58.13	68.19
100	66.67	55.83	28.82	1.22	28.86	52.92	61.69	52.61	27.13	1.81	30.77	57.05	66.67
110	64.7	55.22	21.9	0.75	15.35	52.51	61.37	52.77	18.76	0.78	27.33	55.06	64.7
120	56.89	40.27	4.62	0.76	10.11	32.05	52.91	33.75	6.05	0.42	3.11	41.2	56.89
130	46.71	17.63	18.23	1.34	18.77	8.68	25.04	10.8	19.01	0.59	19.57	25.52	46.71

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Power Factor 1

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Luminous Flux Table

Total Lamp Lumens: 470.59

Luminaire Efficiency (lm/W): 48.47

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.79	1.79	0.38	0.38
10	14.16	15.96	3.39	3.39
20	27.06	43.02	9.14	9.14
30	37.61	80.63	17.13	17.13
40	45.06	125.69	26.71	26.71
50	49.37	175.06	37.20	37.20
60	50.21	225.26	47.87	47.87
70	48.78	274.05	58.23	58.23
80	45.51	319.56	67.90	67.90
90	42.65	362.20	76.97	76.97
100	41.83	404.03	85.85	85.86
110	36.58	440.61	93.63	93.63
120	22.30	462.91	98.37	98.37
130	7.68	470.59	100.00	100.00

Luminaire KH FEELUX

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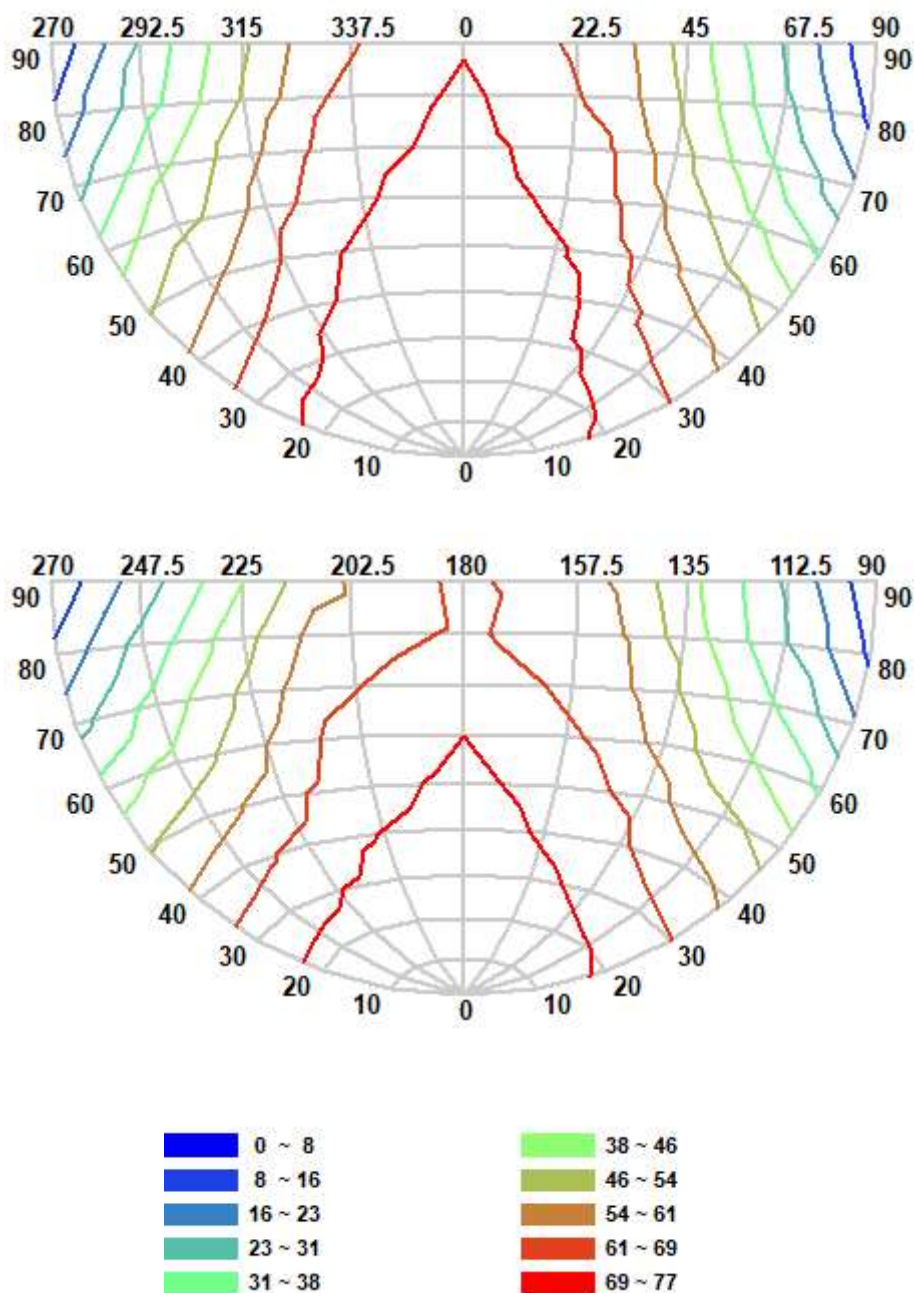
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IsoCandela (Type C)



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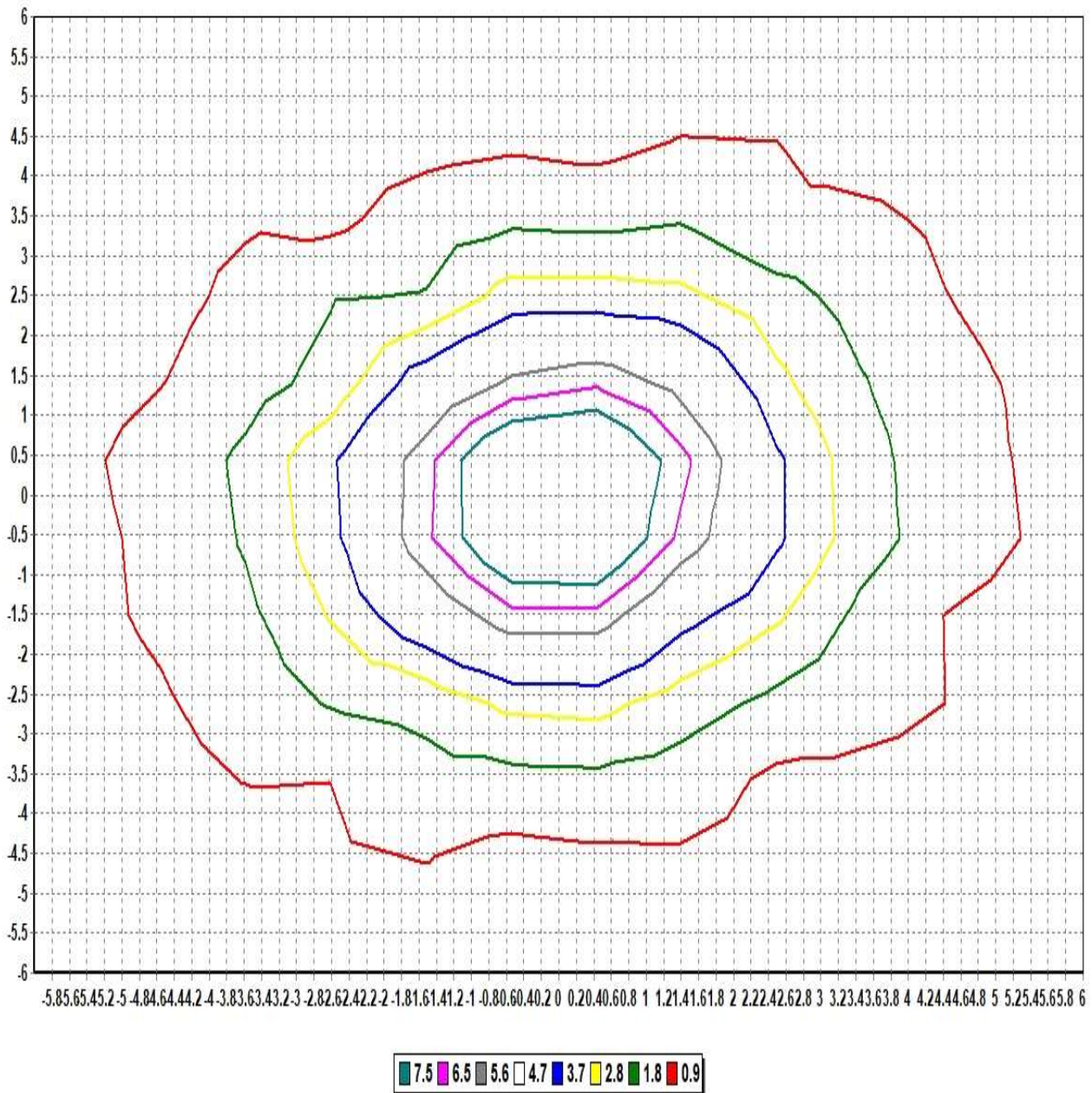
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Operator

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

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Total flux (lm) 471

Power Factor 1

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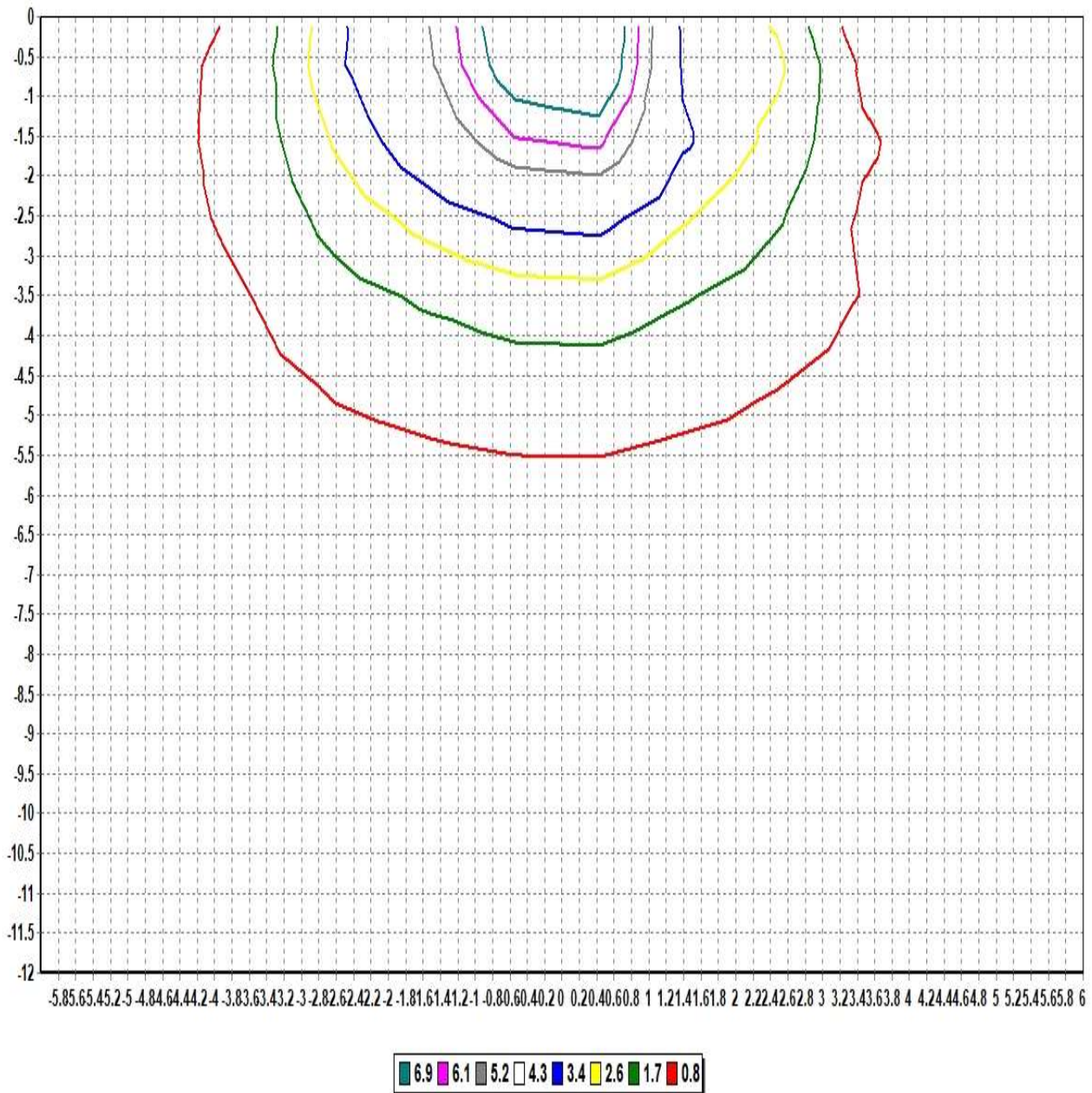
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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

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Power Factor 1

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Illuminance Levels (Ground)

6.00	0.13	0.16	0.12	0.25	0.26	0.31	0.21	0.25	0.45	0.43	0.24	0.24	0.26
5.00	0.26	0.17	0.20	0.24	0.55	0.64	0.59	0.61	0.76	0.42	0.37	0.42	0.34
4.00	0.32	0.42	0.45	0.62	0.78	0.91	0.83	0.89	1.19	0.79	0.77	0.56	0.42
3.00	0.28	0.59	0.89	0.81	1.46	1.77	1.80	2.31	1.70	1.48	1.07	0.73	0.46
2.00	0.38	0.64	0.85	1.91	2.22	3.59	3.92	4.31	3.25	2.20	1.25	0.85	0.55
1.00	0.59	0.95	1.48	2.09	3.70	6.13	8.20	7.09	4.43	2.65	1.59	0.99	0.61
0.00	0.64	1.04	1.67	2.92	5.17	8.50	10.29	8.60	5.38	3.09	1.77	1.10	0.69
-1.00	0.56	0.93	1.47	2.53	4.30	6.91	8.36	6.42	3.92	2.26	1.59	1.02	0.64
-2.00	0.52	0.81	1.20	2.10	3.11	4.22	4.18	3.81	2.39	2.04	0.94	0.69	0.42
-3.00	0.43	0.68	1.02	1.41	1.73	2.27	1.94	1.92	1.57	0.90	0.96	0.65	0.32
-4.00	0.39	0.52	0.73	0.79	1.15	0.94	0.92	0.95	0.87	0.67	0.50	0.47	0.36
-5.00	0.32	0.39	0.37	0.42	0.74	0.64	0.64	0.67	0.60	0.28	0.24	0.20	0.29
-6.00	0.25	0.24	0.24	0.41	0.44	0.28	0.24	0.33	0.30	0.29	0.14	0.18	0.14
-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.) : 10.287

Illum. (Min.) : 0.1174

Illum. (Avg.) : 1.4918

All illuminance level values are in lux.



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Power Factor 1

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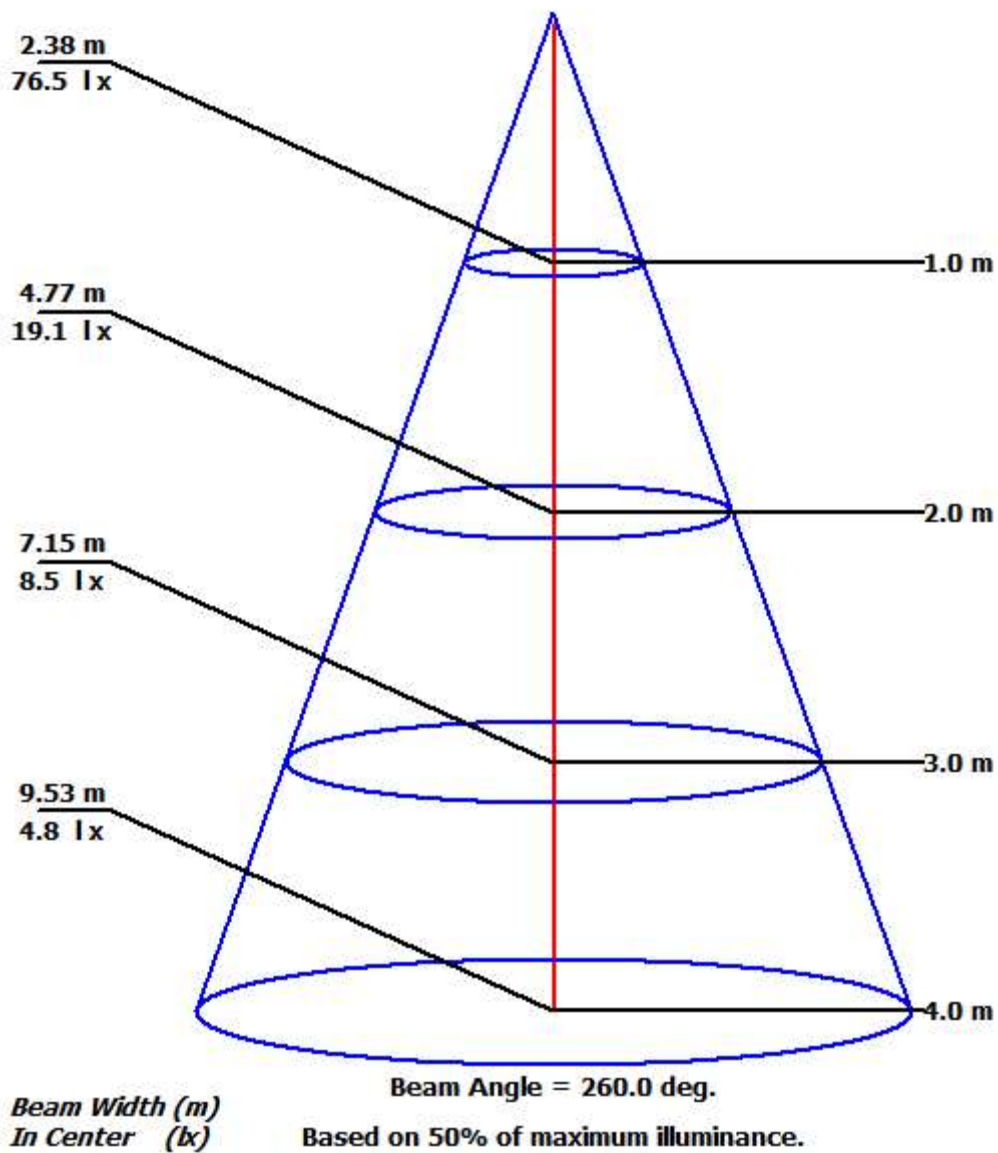
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Illuminance Cone Diagram



Luminaire KH FEELUX

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Lamp flux (lm) 471 Current (A) 0.40533

Operator

Total flux (lm) 471 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