

# TEST REPORT

**1. Applicant**

\* Client Name :  
\* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84  
\* Date of Receipt : 230512

**2. Purpose of Report :**

**3. Number of Report :** 230511

**4. Test Standard / Item :** / NDF5 F.F 120V 27K

**5. Test Period :** 230512 ~ 230512

**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
230511			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	24.0	
CIE 1931 Cx, Cy		0.4603 , 0.4073	
Correlated Color Temperature	K	2664	
Ra		92.99	
Power Factor		0.972	
Input Voltage	V	120.29	
Input Current	A	0.043	
Input Watt	W	5.0736	
Lamp Flux	lm	372.1	
Efficient	lm/W	73.33	
luminous Intensity (Max , Center)	cd	122 , 122	
Illuminance	lx	122	1 m
		31	2 m
		14	3 m

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

\* Sample photo

Click to load image

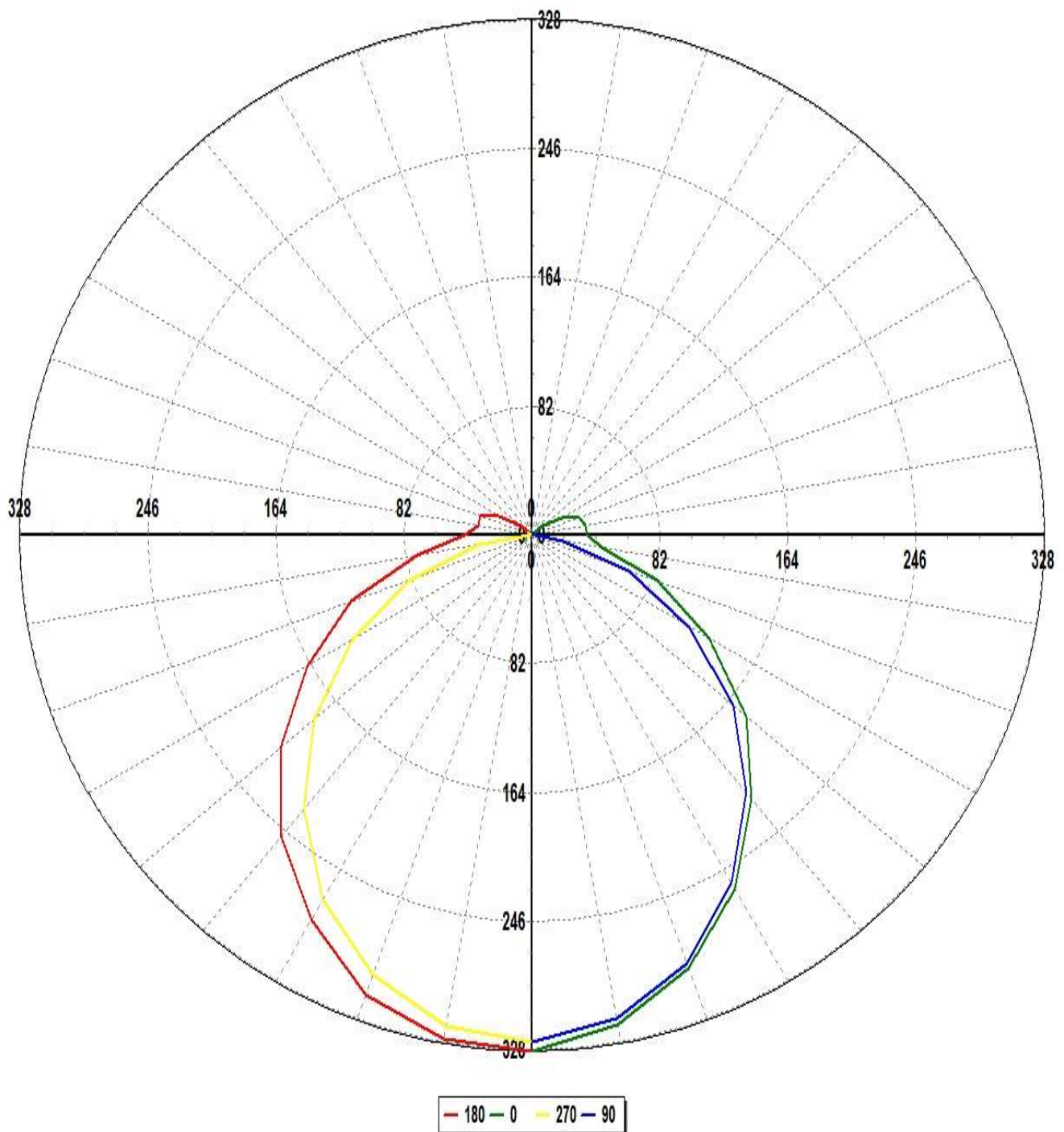
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	120.29
Lamp flux (lm)	372	Current (A)	0.04338
Total flux (lm)	372	Power Factor	0.9724

Report	230511
Filename	NDF5 F.F 120V 27K.jdt
Operator	
Date	2023-05-11 오후 7:17:19

## Luminous Intensity Distribution



Luminaire KH FEELUX

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Report

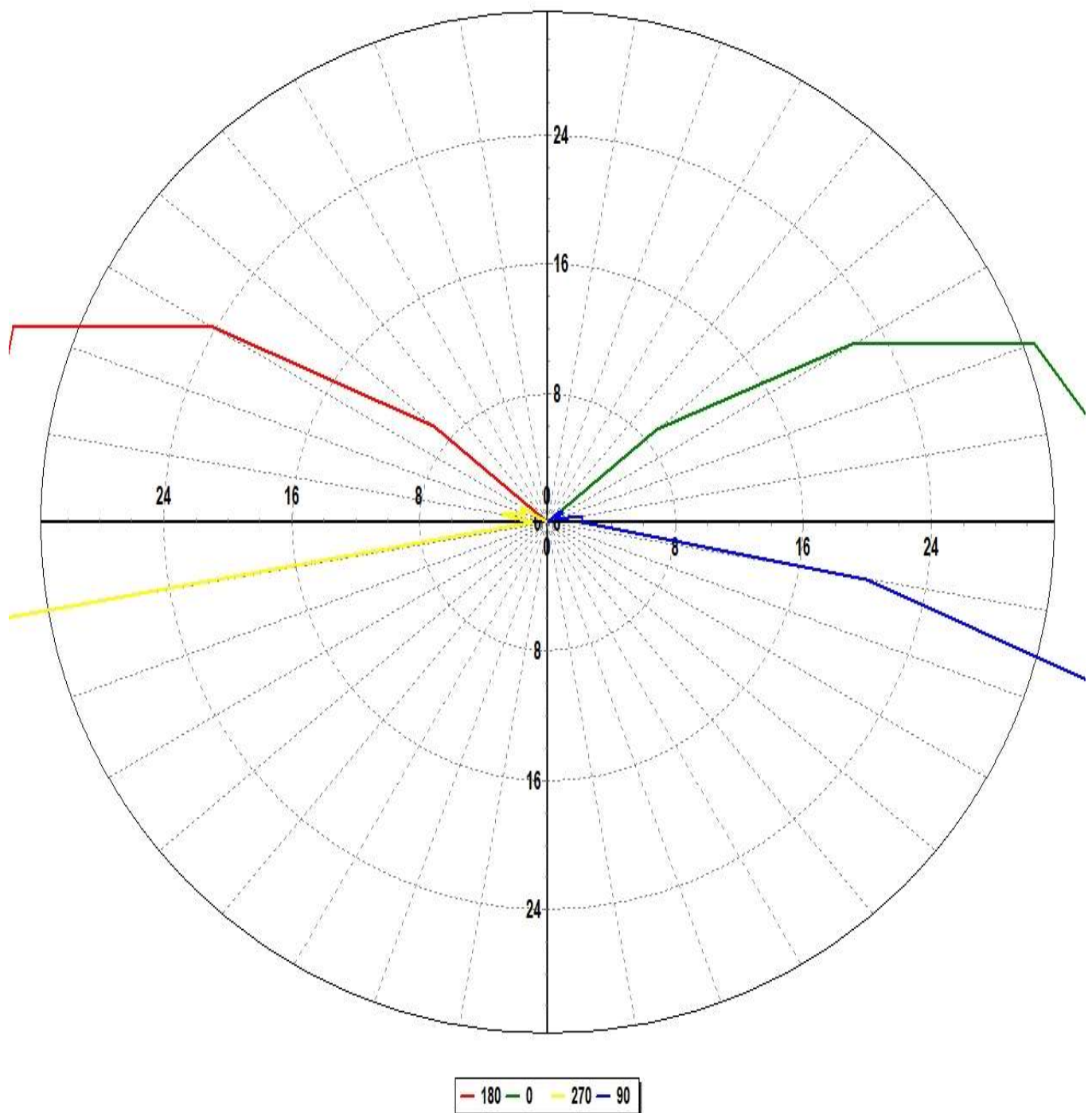
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## Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Total flux (lm) 372

Power Factor 0.9724

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## Luminous Intensity Data

Maximum (cd) : 122

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	122.26	120.88	119.6	119.99	119.21	118.52	122.26	120.88	119.6	119.99	119.21
10	117.76	116.68	117.23	116.21	116.53	117.42	120.96	119	118.47	118.06	117.07
20	109.12	107.76	107.64	108	109.34	110.57	115.85	115.33	112.72	110.88	109.46
30	96.79	95.57	94.5	95.14	98.17	100.16	105.19	104.66	101.8	99.63	97.08
40	81.5	80.81	80.22	79.51	83.36	87.66	93.13	92.49	88.6	84.56	83.58
50	66.64	64.45	63.45	62.62	66.97	72.3	78.3	77.34	72.21	67.85	67.45
60	48.71	47.09	45.04	43.39	50.76	56.22	61.96	60.54	55.02	49.47	50.16
70	31.85	29.3	27.13	24.58	32.57	38.6	45.83	43.65	37.14	31.14	31.12
80	16.93	15.33	10.81	7.53	15.88	22.26	27.86	27.28	20.09	12.83	14.32
90	13.2	11.22	5.78	0.79	5.92	12.03	15.98	13.14	6.83	0.35	5.43
100	12.9	11.4	6.25	0.83	6.28	11.36	13.03	11.6	5.77	1.08	5.44
110	12.05	10.08	3.99	0.16	5.82	10.53	13.21	10.66	5.36	0.55	5.83
120	8.26	9.67	0.57	0.42	0.56	9.9	8.97	9.74	0.58	0.74	0.89
130	3.32	2.35	2.7	0.37	3.57	2.75	3.44	3.19	3.01	-0.49	2.61

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## Luminous Intensity Data (Continued)

Maximum (cd) : 122

Minimum (cd) : 0

G/C	330	360
0	118.52	122.26
10	115.75	117.76
20	108.31	109.12
30	97.2	96.79
40	82.64	81.5
50	67.48	66.64
60	50.24	48.71
70	32.83	31.85
80	17.77	16.93
90	10.95	13.2
100	10.83	12.9
110	10.26	12.05
120	8.6	8.26
130	3.46	3.32

Luminaire KH FEELUX

Lamp

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## Luminous Flux Table

Total Lamp Lumens: 372.05

Luminaire Efficiency (lm/W): 73.33

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.87	2.87	0.77	0.77
10	22.36	25.24	6.78	6.78
20	41.36	66.60	17.90	17.90
30	54.12	120.71	32.44	32.45
40	59.73	180.44	48.49	48.50
50	57.83	238.27	64.03	64.04
60	48.90	287.16	77.17	77.18
70	34.80	321.96	86.53	86.54
80	18.77	340.74	91.57	91.58
90	9.27	350.01	94.06	94.08
100	8.70	358.71	96.40	96.41
110	7.59	366.30	98.44	98.45
120	4.66	370.95	99.69	99.71
130	1.10	372.05	99.99	100.00



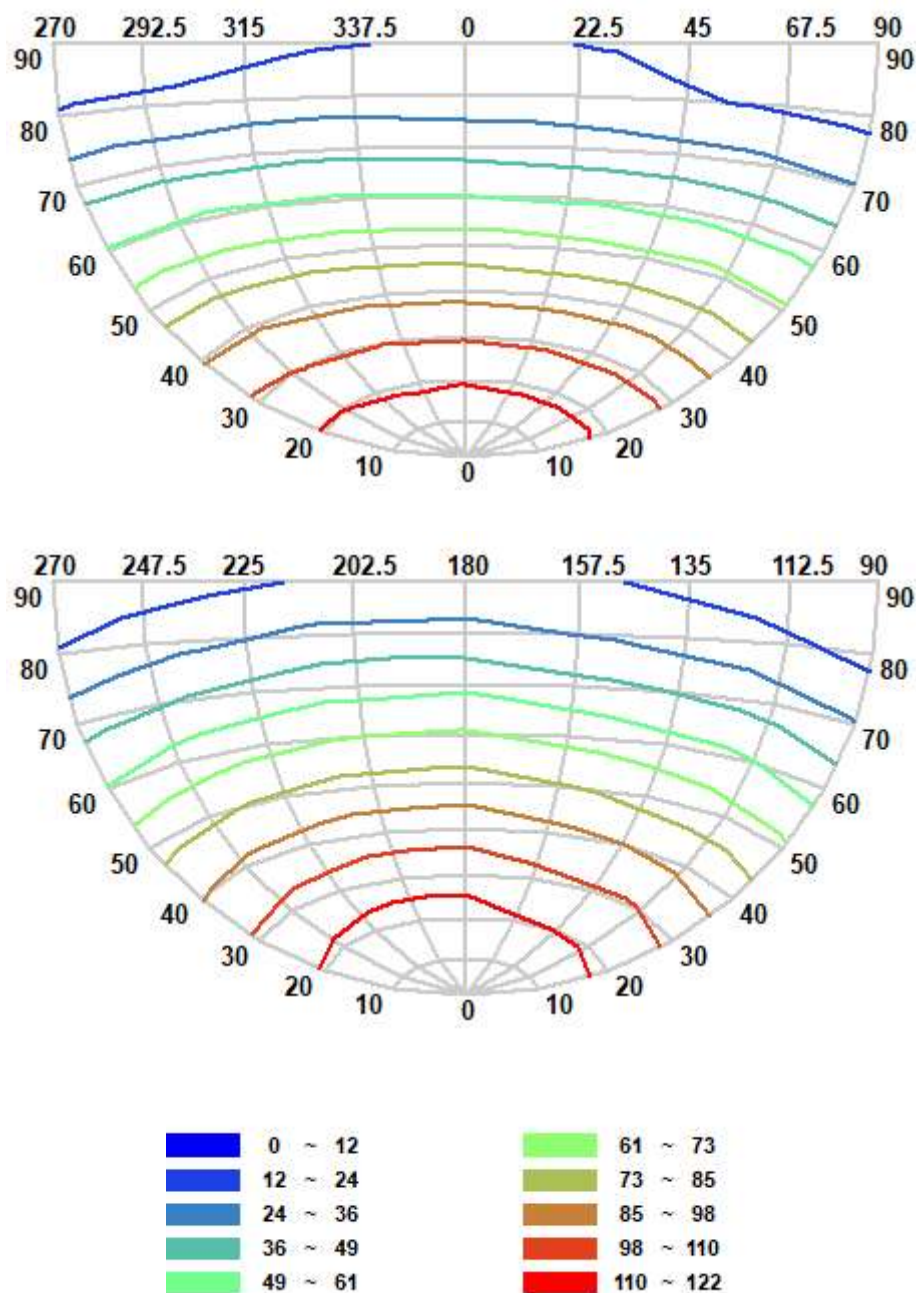
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## IsoCandela (Type C)





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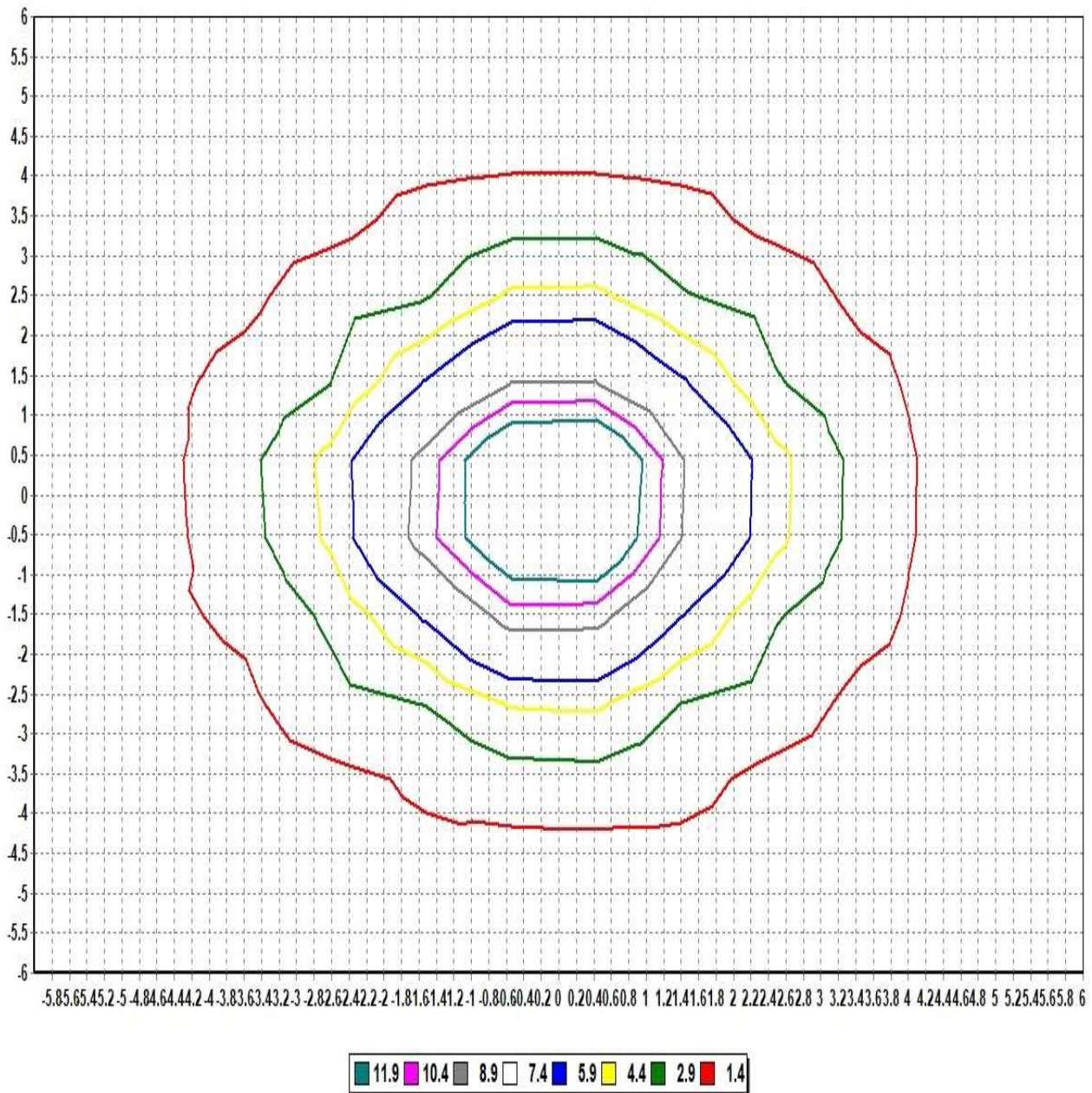
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## IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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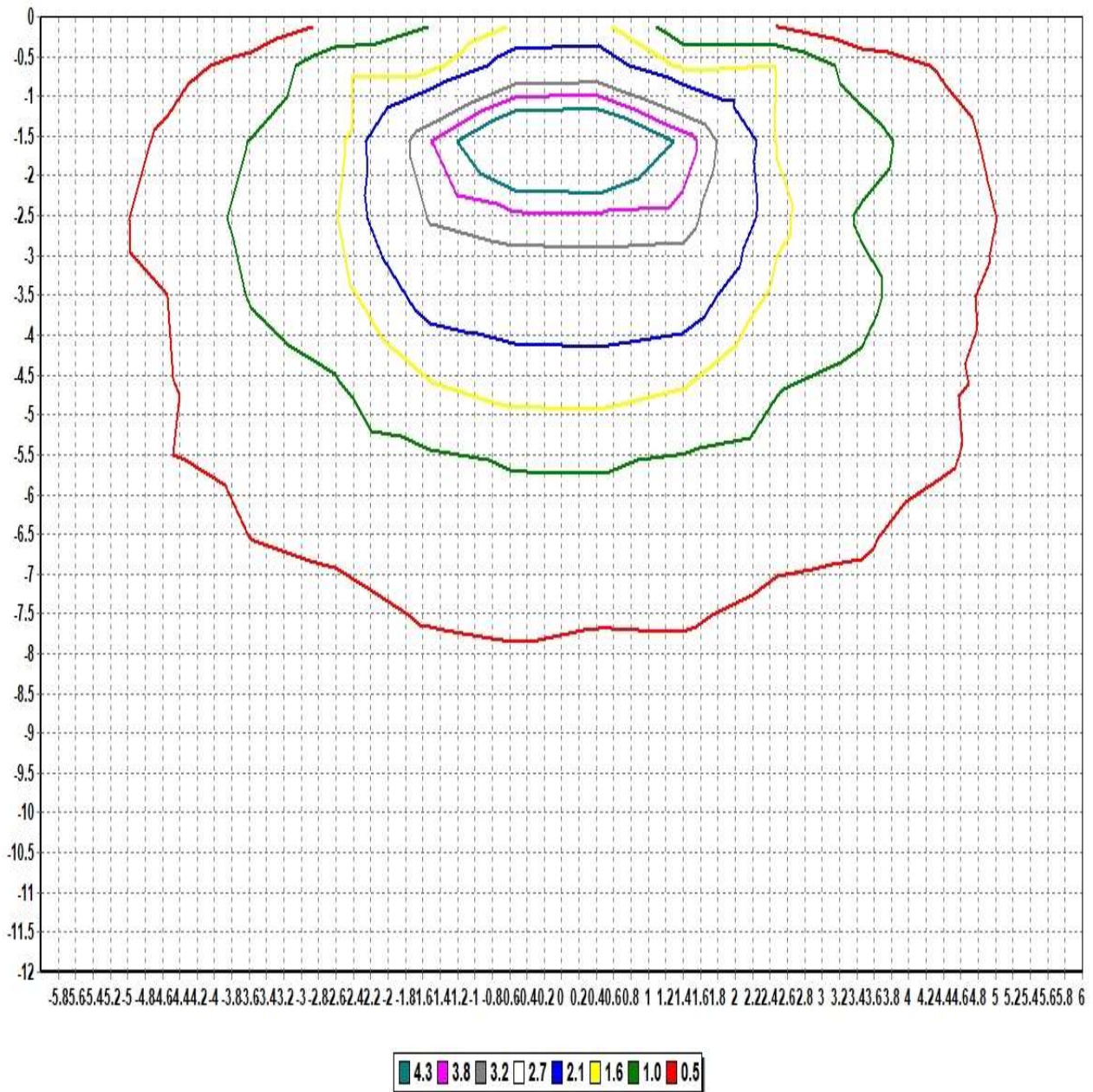
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## IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider

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## Illuminance Levels (Ground)

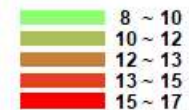
6.00	0.16	0.21	0.16	0.25	0.29	0.31	0.31	0.30	0.28	0.23	0.17	0.21	0.17
5.00	0.25	0.19	0.26	0.35	0.74	0.83	0.88	0.83	0.72	0.37	0.26	0.20	0.22
4.00	0.23	0.34	0.62	0.89	0.98	1.13	1.23	1.13	0.92	0.89	0.63	0.29	0.19
3.00	0.26	0.48	1.01	1.09	2.21	2.48	2.71	2.44	2.22	1.11	0.93	0.41	0.24
2.00	0.34	0.78	1.01	2.43	3.20	5.23	6.04	5.09	3.22	2.26	0.93	0.73	0.30
1.00	0.46	1.02	1.45	2.62	5.29	9.49	13.12	9.45	5.10	2.48	1.24	0.89	0.36
0.00	0.50	1.11	1.65	3.34	6.93	13.66	16.77	13.29	6.18	2.86	1.34	0.94	0.37
-1.00	0.44	1.00	1.45	2.95	5.83	10.24	13.33	9.64	5.26	2.56	1.24	0.89	0.36
-2.00	0.41	0.89	1.19	2.61	3.76	5.80	6.39	5.28	3.33	2.30	0.99	0.76	0.31
-3.00	0.34	0.55	1.11	1.39	2.48	2.86	2.92	2.57	2.34	1.15	0.95	0.42	0.25
-4.00	0.27	0.40	0.77	1.04	1.17	1.30	1.37	1.31	0.99	0.95	0.65	0.30	0.20
-5.00	0.29	0.29	0.35	0.47	0.87	0.92	0.95	0.94	0.76	0.41	0.29	0.20	0.23
-6.00	0.22	0.26	0.23	0.33	0.39	0.37	0.37	0.39	0.31	0.25	0.19	0.23	0.17
-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.) : 16.771

Illum. (Min.) : 0.1570

Illum. (Avg.) : 1.8912

All illuminance level values are in lux.





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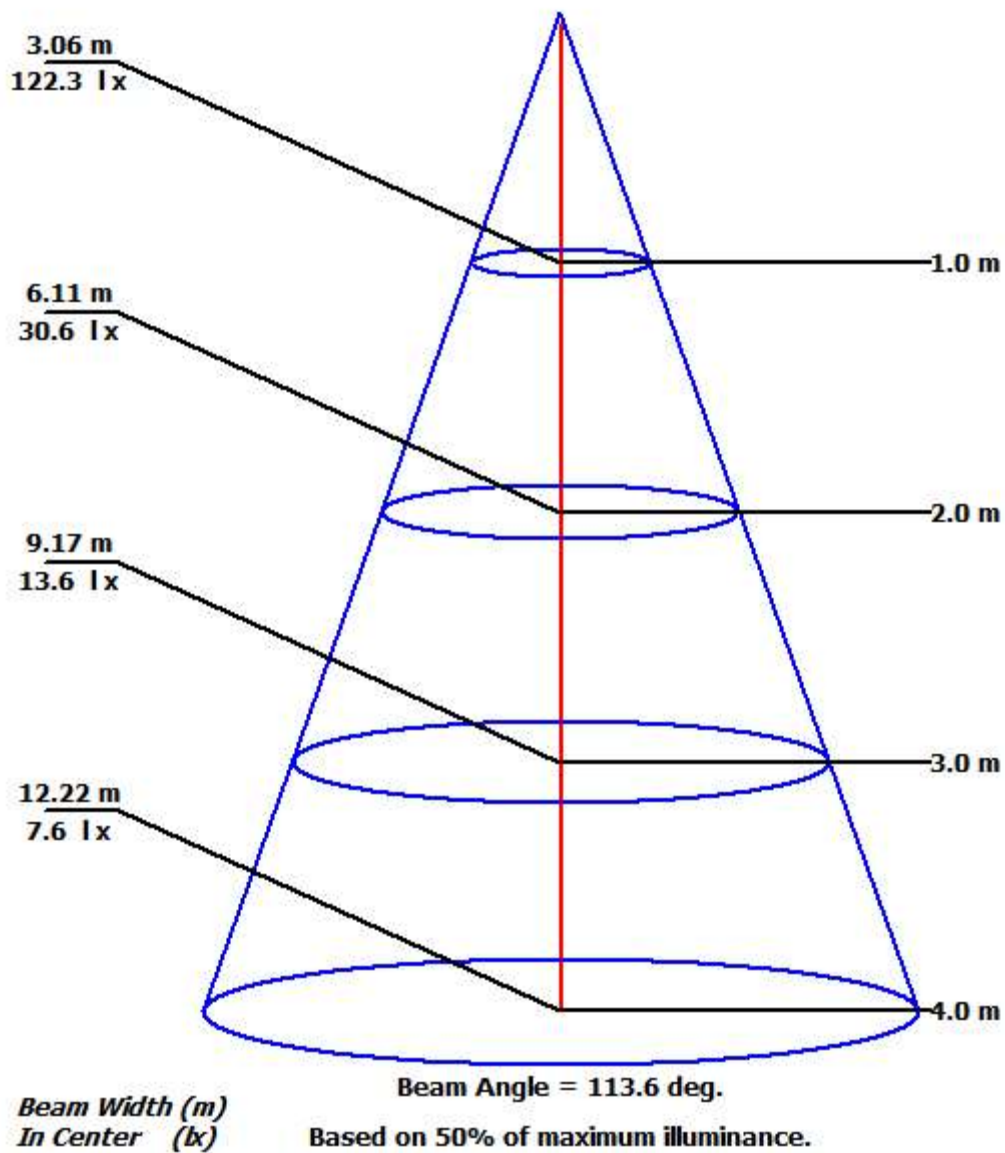
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## Illuminance Cone Diagram



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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