

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 50K-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		0.3398 , 0.3458	
Correlated Color Temperature	K	5191	
Ra		95.83	
Power Factor		1.000	
Input Voltage	V	23.950	
Input Current	A	0.408	
Input Watt	W	9.781	
Lamp Flux	lm	468.1	
Efficient	lm/W	47.86	
luminous Intensity (Max , Center)	cd	71 , 71	
Illuminance	lx	71	1 m
		18	2 m
		8	3 m

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

* Sample photo

[Click to load image](#)

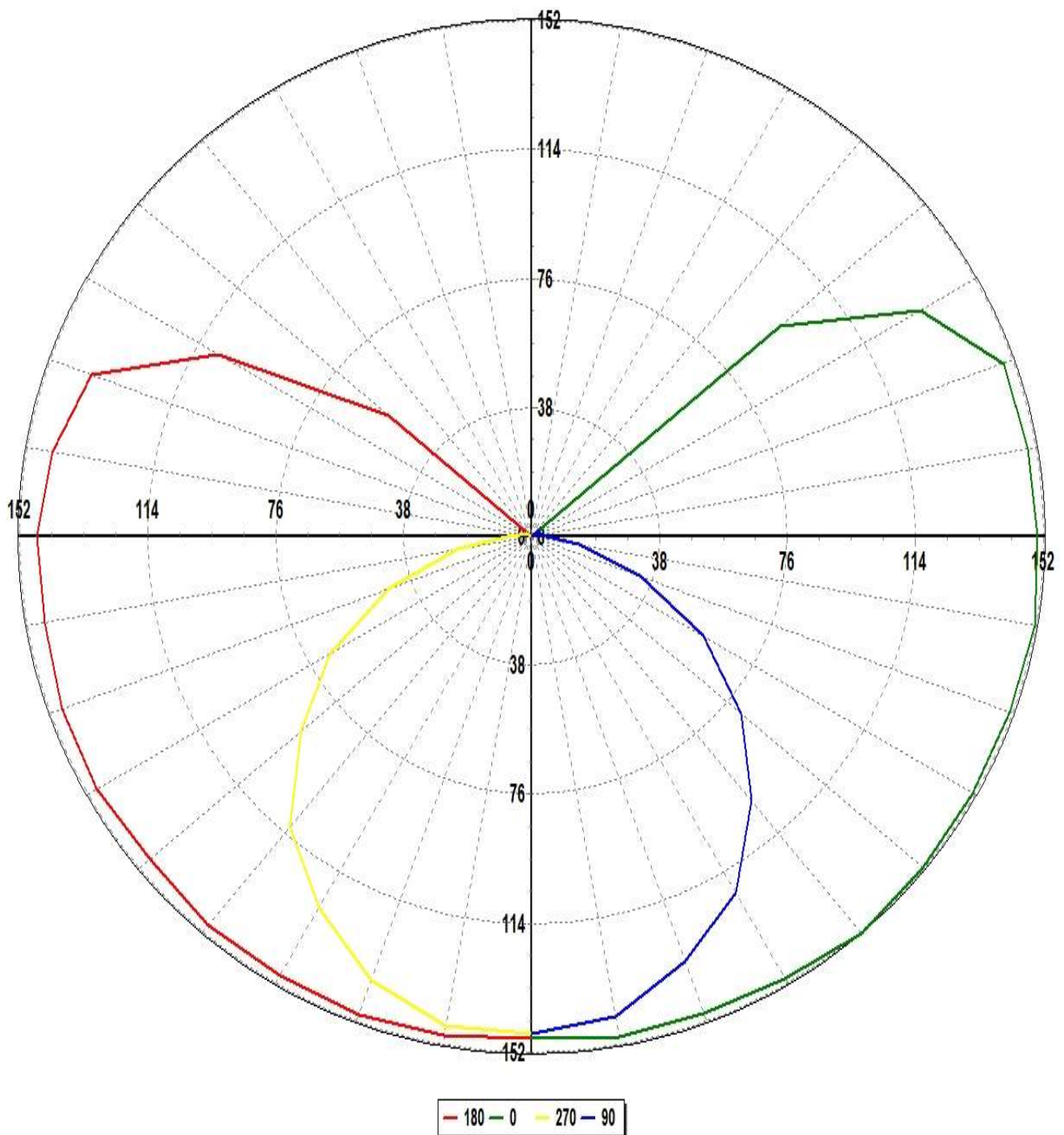
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	468	Current (A)	0.40841
Total flux (lm)	468	Power Factor	1

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Filename	FN360 50K-24V-1M.jdt
Operator	
Date	2023-04-26 오후 5:51:06

Luminous Intensity Distribution



Luminaire KH FEELUX

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Total flux (lm) 468

Power Factor 1

Report

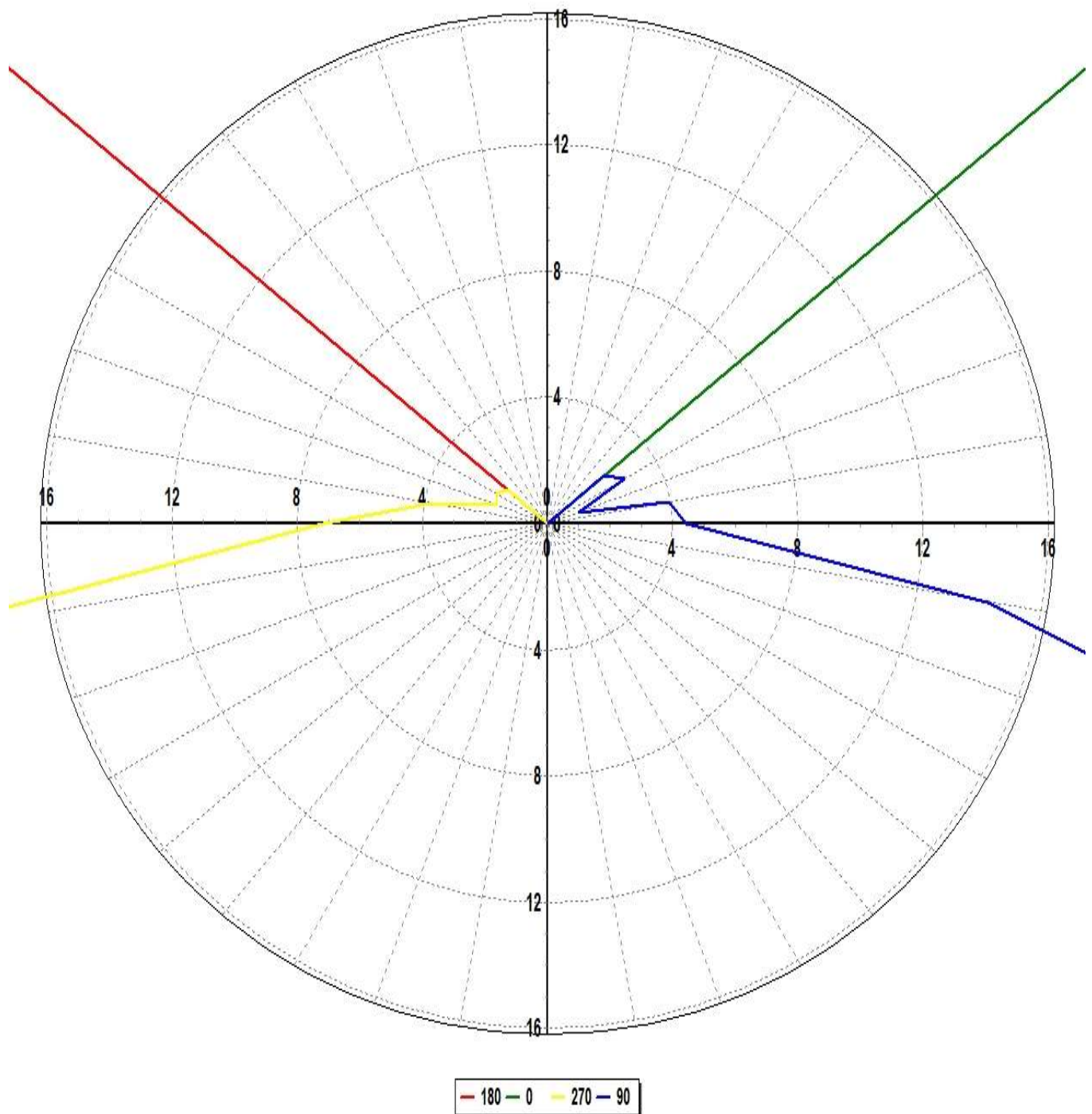
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Luminous Intensity Distribution (Lowest 10%)



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Power Factor 1

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Luminous Intensity Data

Maximum (cd) : 71

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	69.17	69.56	69.03	68.54	68.95	68.2	69.17	69.56	69.03	68.54	68.95	68.2	69.17
10	70.04	69.05	68.24	67.3	67.25	69.08	69.8	69.45	68.77	68.5	68.28	69.53	70.04
20	69.96	68.18	64.61	62.37	65.1	68.51	70.16	68.97	66.11	65.06	66.36	68.12	69.96
30	70.36	66.39	60.05	56.73	59.96	65.8	69.89	66.96	62.52	59.09	62.57	68.5	70.36
40	71.39	65.33	53.66	47.51	54.37	64.7	69.93	65	55.88	52.3	57.56	67.45	71.39
50	71.07	64.11	47.18	38.06	48.7	62.57	69.19	63.57	49.47	41.88	52.03	65.24	71.07
60	70.75	61.34	41.11	27.45	42.1	61.38	69.77	62.52	42.32	32.41	45.52	64.24	70.75
70	70.73	60.1	34.63	15.98	37.41	59.99	69.39	59.91	36.83	20.99	40.73	61.96	70.73
80	70.98	59.03	30.86	6.68	33.57	59.06	68.74	57.75	30.93	10.42	35.46	60.43	70.98
90	70.3	58.19	28.58	2.07	31.95	58.33	68.79	56.7	28.22	3.35	32.82	60.34	70.3
100	70.1	58.61	30.87	1.85	32.47	58.42	67.6	56.75	26.47	1.77	34.11	60.46	70.1
110	69.83	58.83	22.36	0.49	11.62	57.22	65.13	54.25	13.1	0.8	27.08	60.87	69.83
120	62.39	39.56	2.02	1.32	13.76	26.87	50.29	26.77	8.74	0.88	6.5	42.83	62.39
130	45.04	17.54	19.21	1.1	17.61	14.82	25.98	12.53	21.84	0.78	19.66	24.07	45.04

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Power Factor 1

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Luminous Flux Table

Total Lamp Lumens: 468.06

Luminaire Efficiency (lm/W): 47.85

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.65	1.65	0.35	0.35
10	13.08	14.73	3.15	3.15
20	25.08	39.81	8.50	8.51
30	35.09	74.89	16.00	16.00
40	42.54	117.43	25.09	25.09
50	47.06	164.49	35.14	35.14
60	49.08	213.57	45.62	45.63
70	48.77	262.34	56.04	56.05
80	47.09	309.43	66.10	66.11
90	45.60	355.03	75.85	75.85
100	44.89	399.93	85.44	85.44
110	37.87	437.80	93.53	93.53
120	22.28	460.08	98.29	98.30
130	7.98	468.06	99.99	100.00

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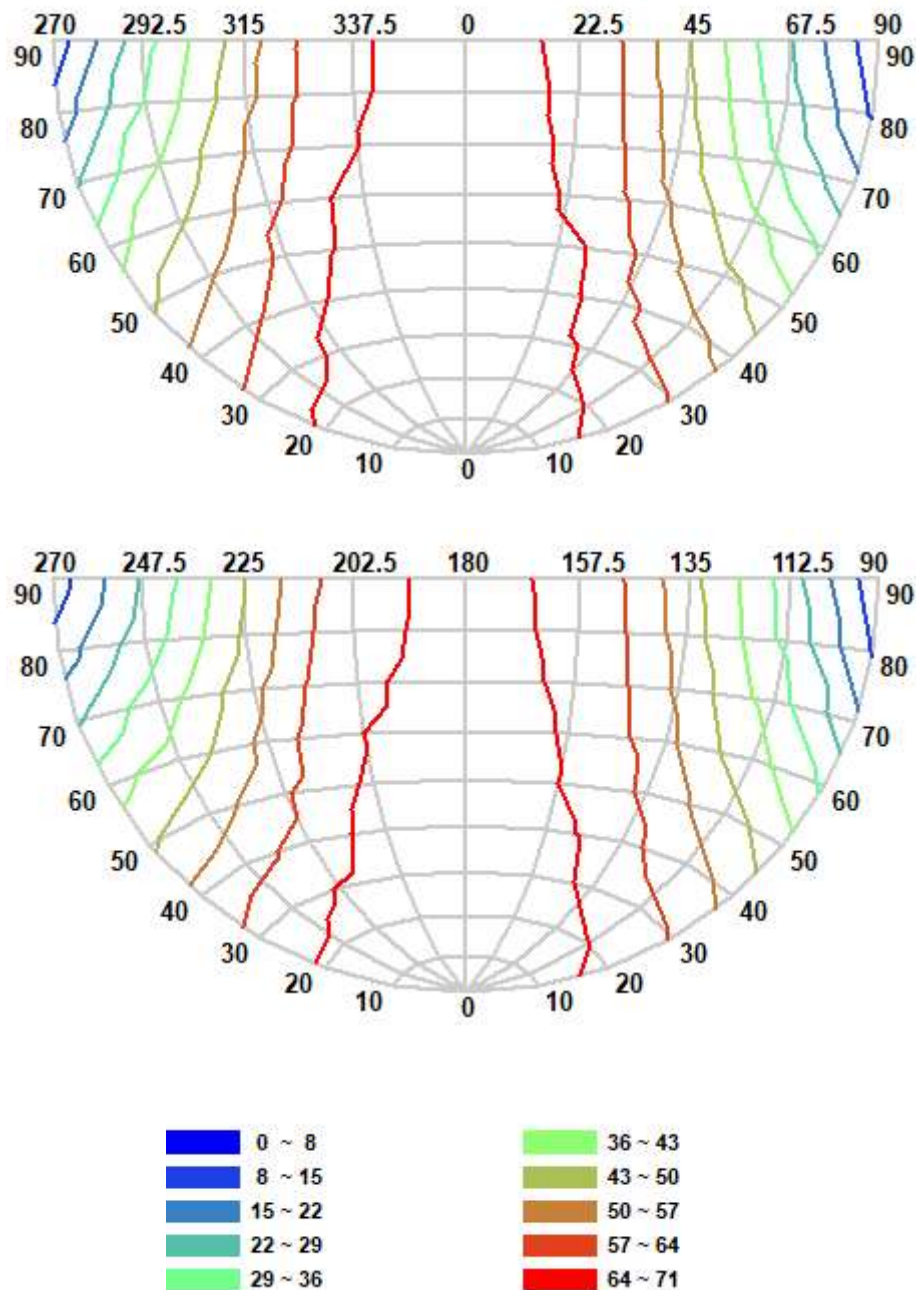
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Total flux (lm) 468

Power Factor 1

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IsoCandela (Type C)



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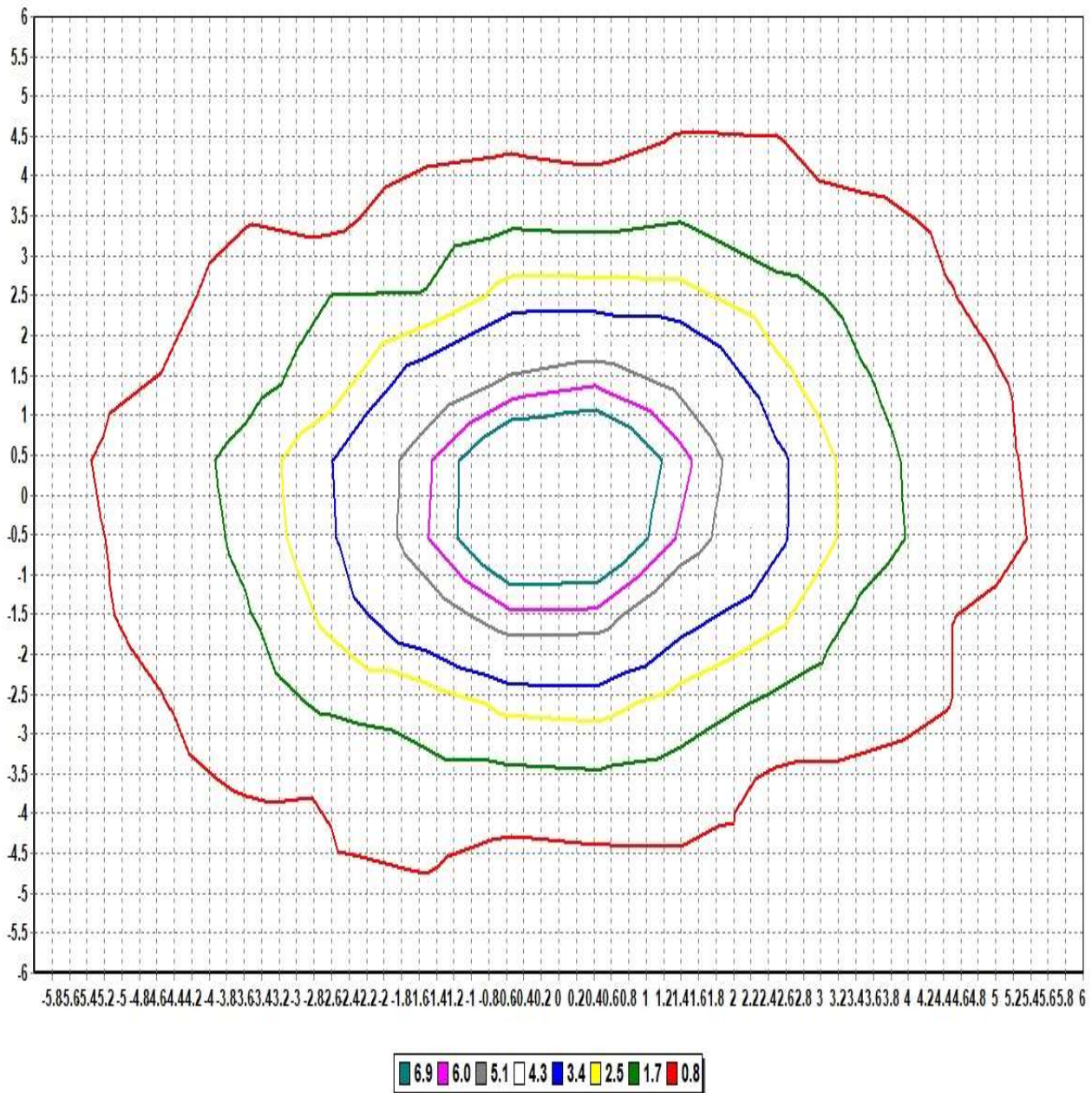
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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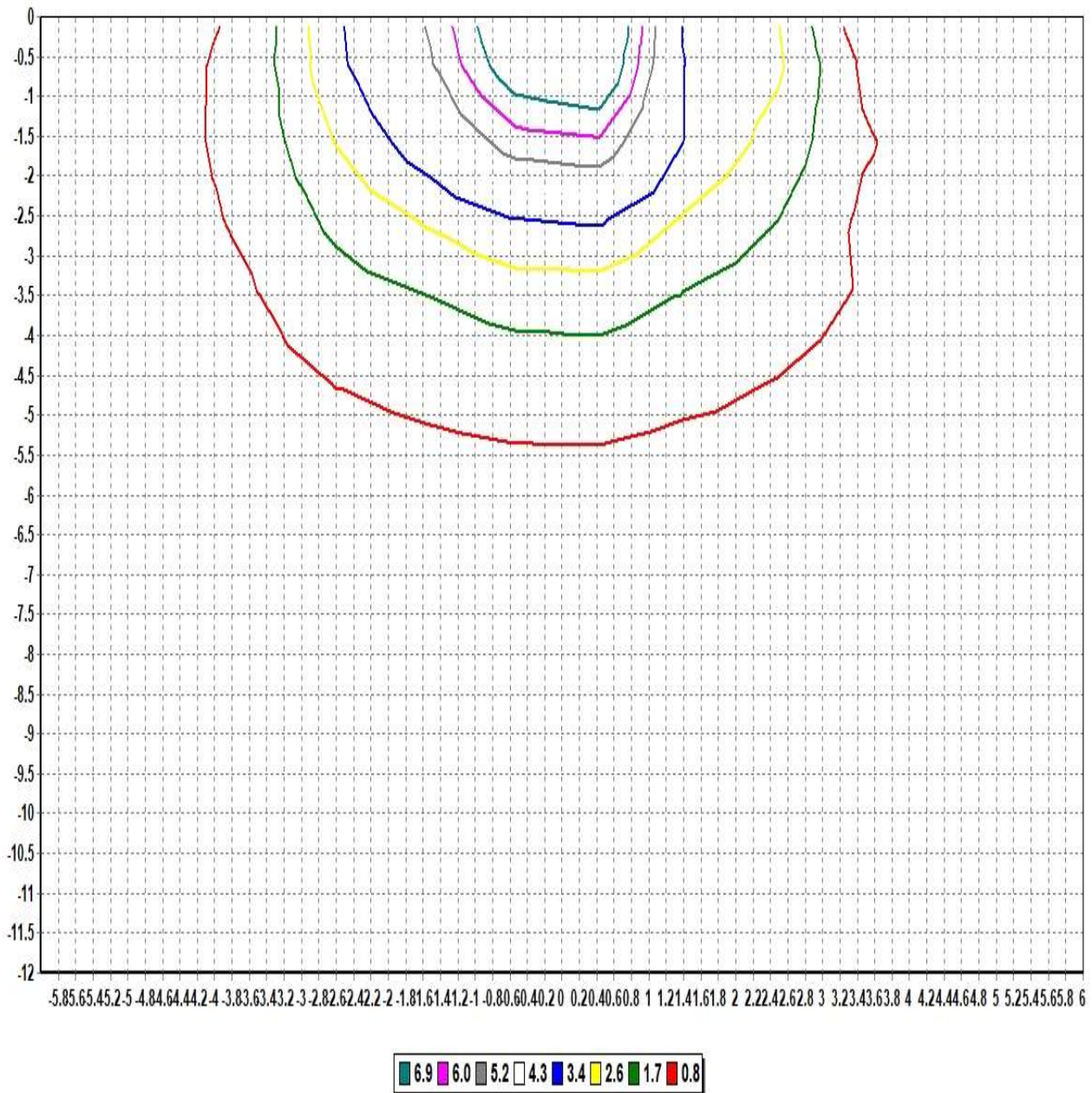
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IsoLux Diagram (Wall)



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)

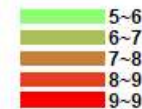
6.00	0.13	0.15	0.11	0.26	0.26	0.29	0.20	0.24	0.43	0.41	0.23	0.23	0.25
5.00	0.26	0.17	0.20	0.23	0.53	0.59	0.53	0.56	0.72	0.39	0.35	0.41	0.32
4.00	0.34	0.44	0.43	0.57	0.78	0.84	0.76	0.82	1.12	0.74	0.73	0.55	0.41
3.00	0.29	0.61	0.87	0.78	1.34	1.69	1.64	2.17	1.57	1.41	1.02	0.72	0.44
2.00	0.39	0.63	0.85	1.85	2.08	3.37	3.61	4.01	3.07	2.08	1.19	0.81	0.54
1.00	0.61	0.94	1.49	2.04	3.49	5.68	7.59	6.54	4.14	2.51	1.52	0.95	0.60
0.00	0.66	1.02	1.67	2.85	4.98	7.90	9.49	7.92	5.06	2.92	1.70	1.04	0.67
-1.00	0.58	0.91	1.48	2.47	4.11	6.55	7.74	5.91	3.69	2.15	1.53	0.97	0.63
-2.00	0.53	0.80	1.20	2.04	3.02	4.01	3.89	3.58	2.25	1.93	0.92	0.67	0.42
-3.00	0.44	0.71	1.00	1.41	1.63	2.19	1.80	1.82	1.47	0.87	0.91	0.64	0.31
-4.00	0.40	0.54	0.73	0.76	1.14	0.90	0.87	0.91	0.85	0.63	0.48	0.46	0.35
-5.00	0.32	0.40	0.36	0.41	0.73	0.60	0.59	0.63	0.58	0.28	0.24	0.20	0.28
-6.00	0.25	0.23	0.24	0.41	0.43	0.27	0.24	0.32	0.29	0.28	0.14	0.17	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.) : 9.4883

Illum. (Min.) : 0.1134

Illum. (Avg.) : 1.4155

All illuminance level values are in lux.



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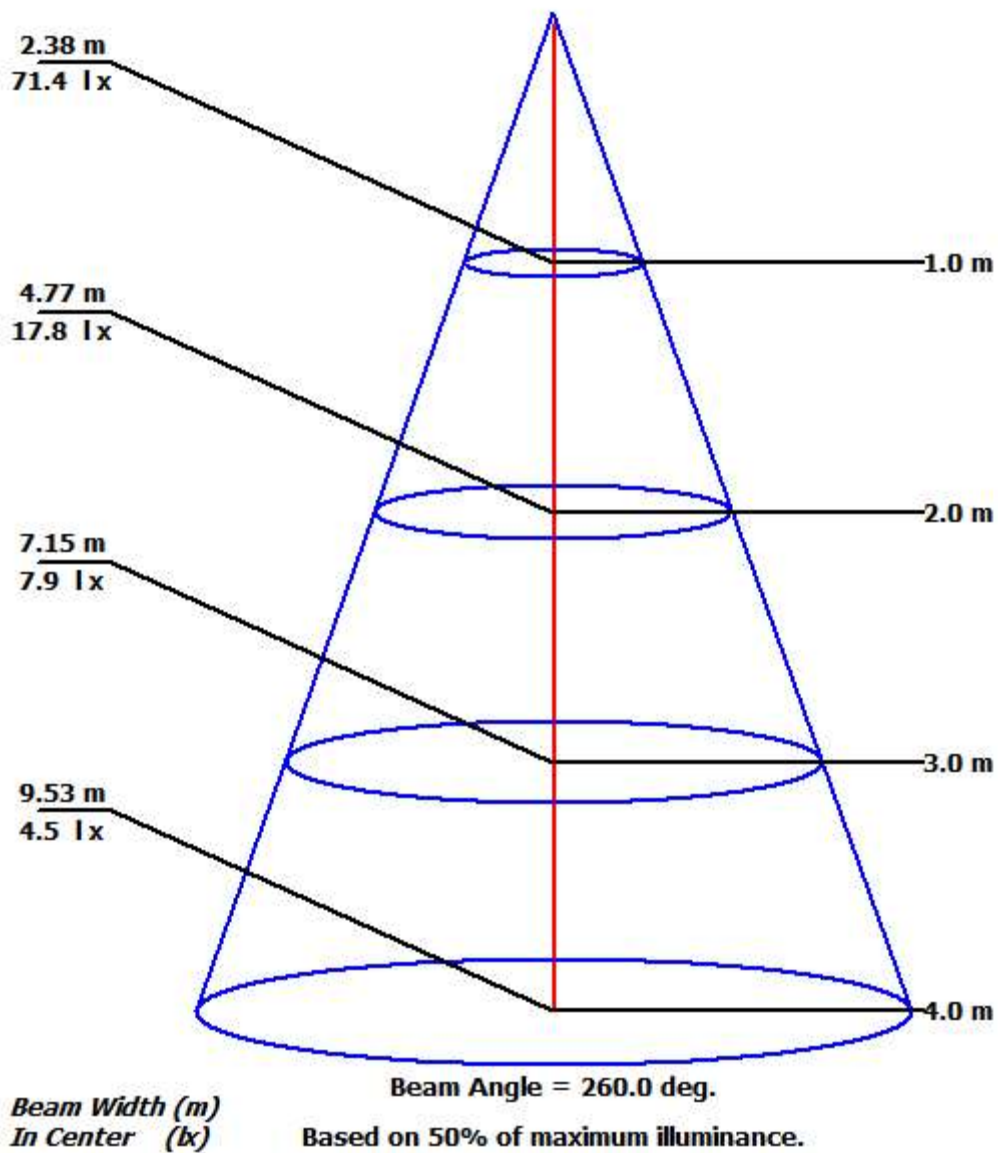
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Illuminance Cone Diagram



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Total flux (lm) 468 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