

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 40K-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		0.3678 , 0.3655	
Correlated Color Temperature	K	4288	
Ra		94.51	
Power Factor		1.000	
Input Voltage	V	23.951	
Input Current	A	0.402	
Input Watt	W	9.618	
Lamp Flux	lm	519.7	
Efficient	lm/W	54.04	
luminous Intensity (Max , Center)	cd	85 , 85	
Illuminance	lx	85	1 m
		21	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) 520

Current (A) 0.40155

Total flux (lm) 520

Power Factor 1

Report

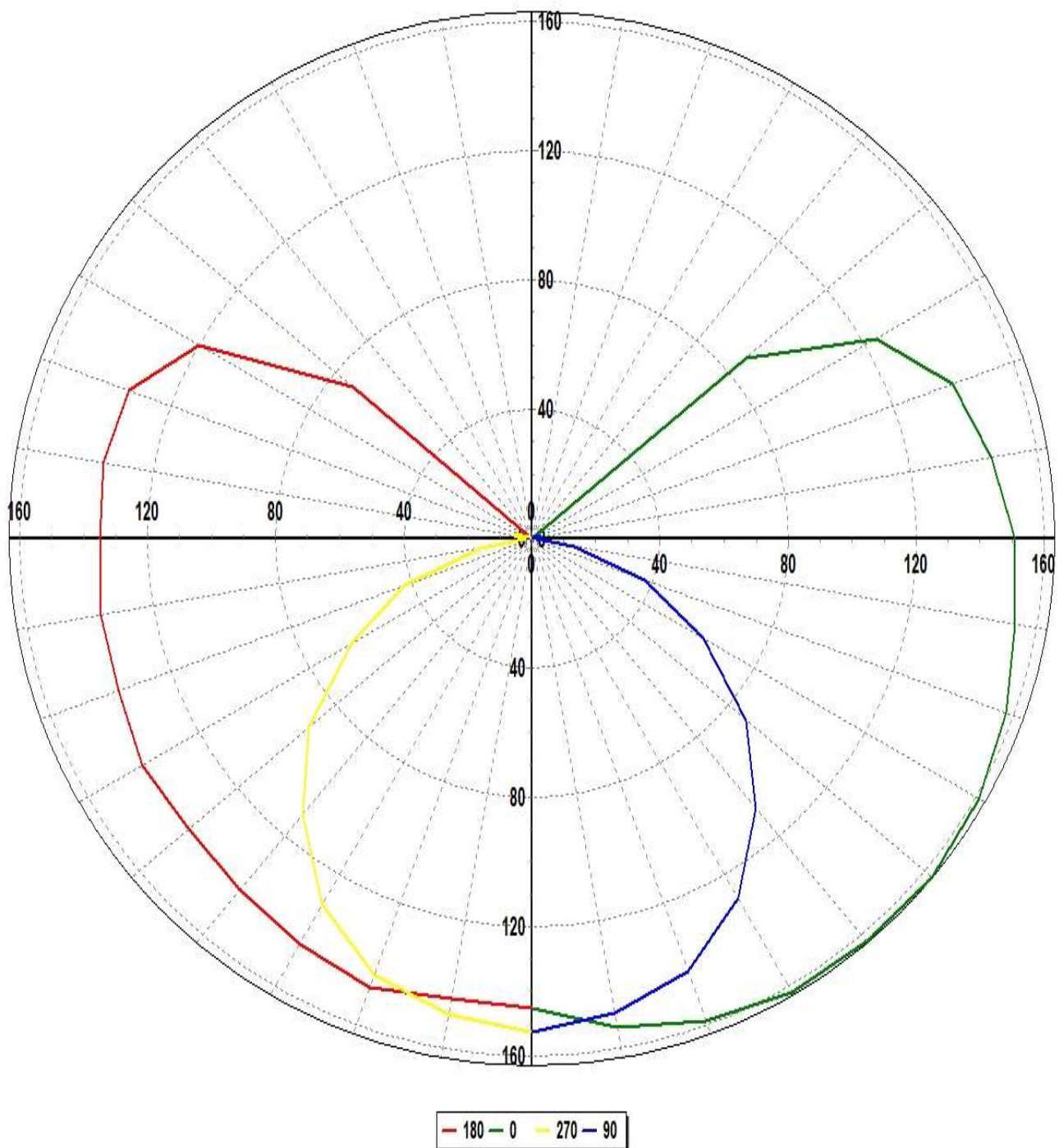
230426

Filename FN360 40K-24V-1M.jdt

Operator

Date 2023-04-26 오후 5:29:56

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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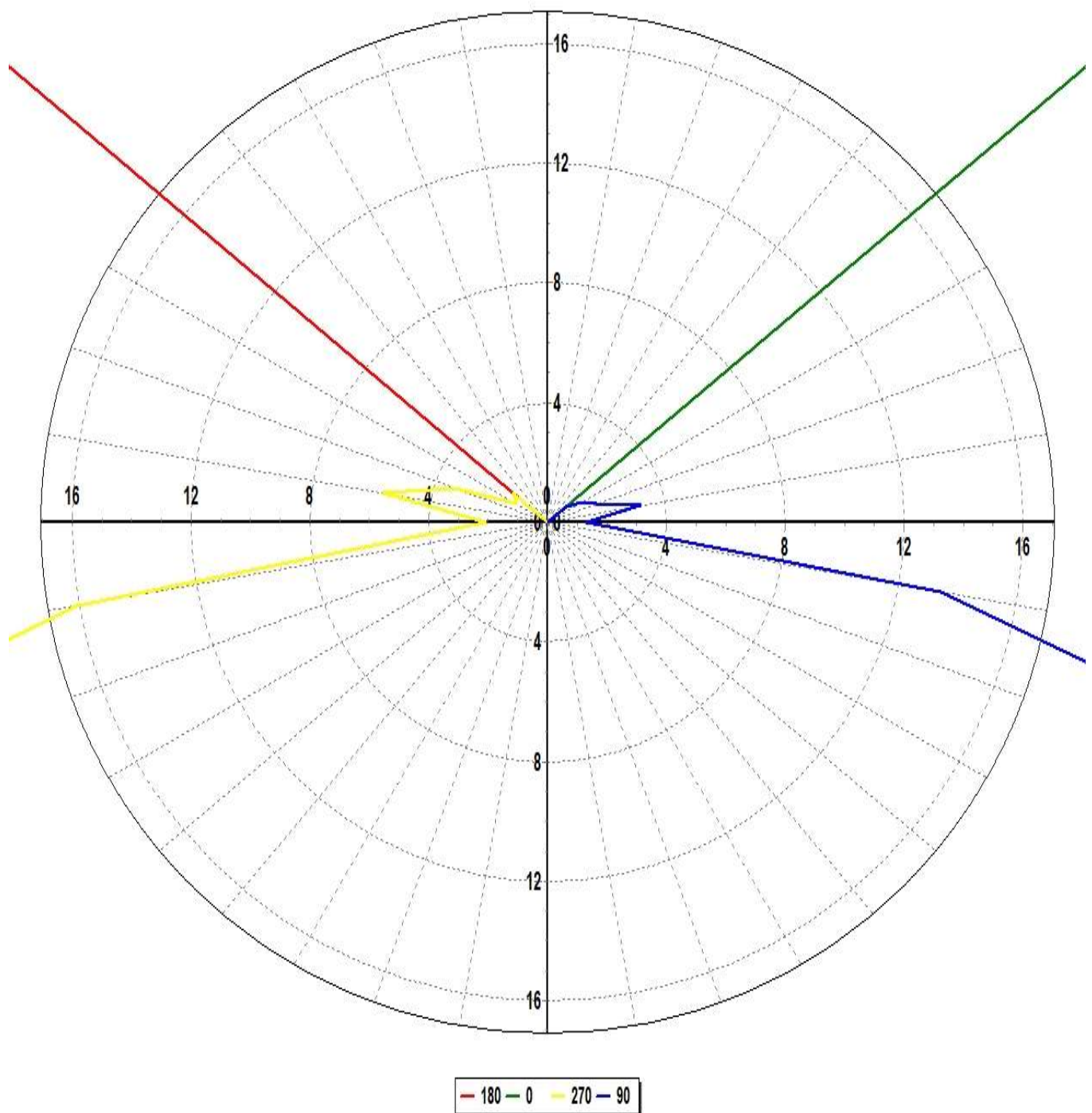
Operator

Total flux (lm) 520

Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



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Luminous Intensity Data

Maximum (cd) : 85

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	75.64	80.39	81.2	79.45	80.39	80.43	75.64	80.39	81.2	79.45	80.39	80.43	75.64
10	79.72	80.95	79.3	77.46	78.19	79.32	75.07	79.91	78.87	77.76	79.8	80.46	79.72
20	82.52	80.97	77.36	74.13	74.6	77.02	76.94	77.73	75.55	74.71	77.44	81.51	82.52
30	84.36	80.75	72.14	66.88	68.74	74.39	75.23	73.95	69.83	68.03	72.53	80.06	84.36
40	84.51	79.45	65.28	56.59	61.22	70.5	73.75	69.43	62.18	57.89	66.83	79.28	84.51
50	84.81	77.05	59	45.42	53.18	68.19	72.64	67.48	53.59	47.21	58.73	76.73	84.81
60	83.77	74.28	51.37	32.11	45.74	65.32	72.94	65.17	45.1	33.63	52.48	74.79	83.77
70	81.93	71.62	43.11	19.49	38.73	62.62	71.31	62.66	37.3	21.94	45.21	71.31	81.93
80	79.61	68.35	36.86	7	33.59	60.9	71.04	59.49	32.28	8.37	38.36	68.6	79.61
90	78.4	65.79	33.83	0.67	31.31	59.71	70.14	58.97	28.73	1.07	34.3	66.87	78.4
100	75.65	64.22	33.21	1.66	32.49	59.51	70.54	59.56	31.17	2.94	33.7	64.24	75.65
110	72.55	62.08	21.44	0.91	21.45	59.21	69.54	59.57	26.43	1.73	27.66	61.94	72.55
120	64.5	44.55	7.11	0.69	6.01	41.39	62.37	44.26	5.21	0.62	4.35	44.61	64.5
130	45.37	13.74	22.27	0.44	21.33	10.28	37.88	18.74	20.98	0.81	22.61	22.55	45.37

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Luminous Flux Table

Total Lamp Lumens: 519.73

Luminaire Efficiency (lm/W): 54.04

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.90	1.90	0.37	0.37
10	15.01	16.91	3.25	3.25
20	29.05	45.95	8.84	8.84
30	40.47	86.43	16.63	16.63
40	48.51	134.94	25.96	25.96
50	53.42	188.36	36.24	36.24
60	55.07	243.43	46.84	46.84
70	53.79	297.22	57.19	57.19
80	50.73	347.95	66.95	66.95
90	48.35	396.31	76.26	76.25
100	47.54	443.85	85.40	85.40
110	41.56	485.40	93.40	93.39
120	25.74	511.14	98.35	98.35
130	8.59	519.73	100.01	100.00

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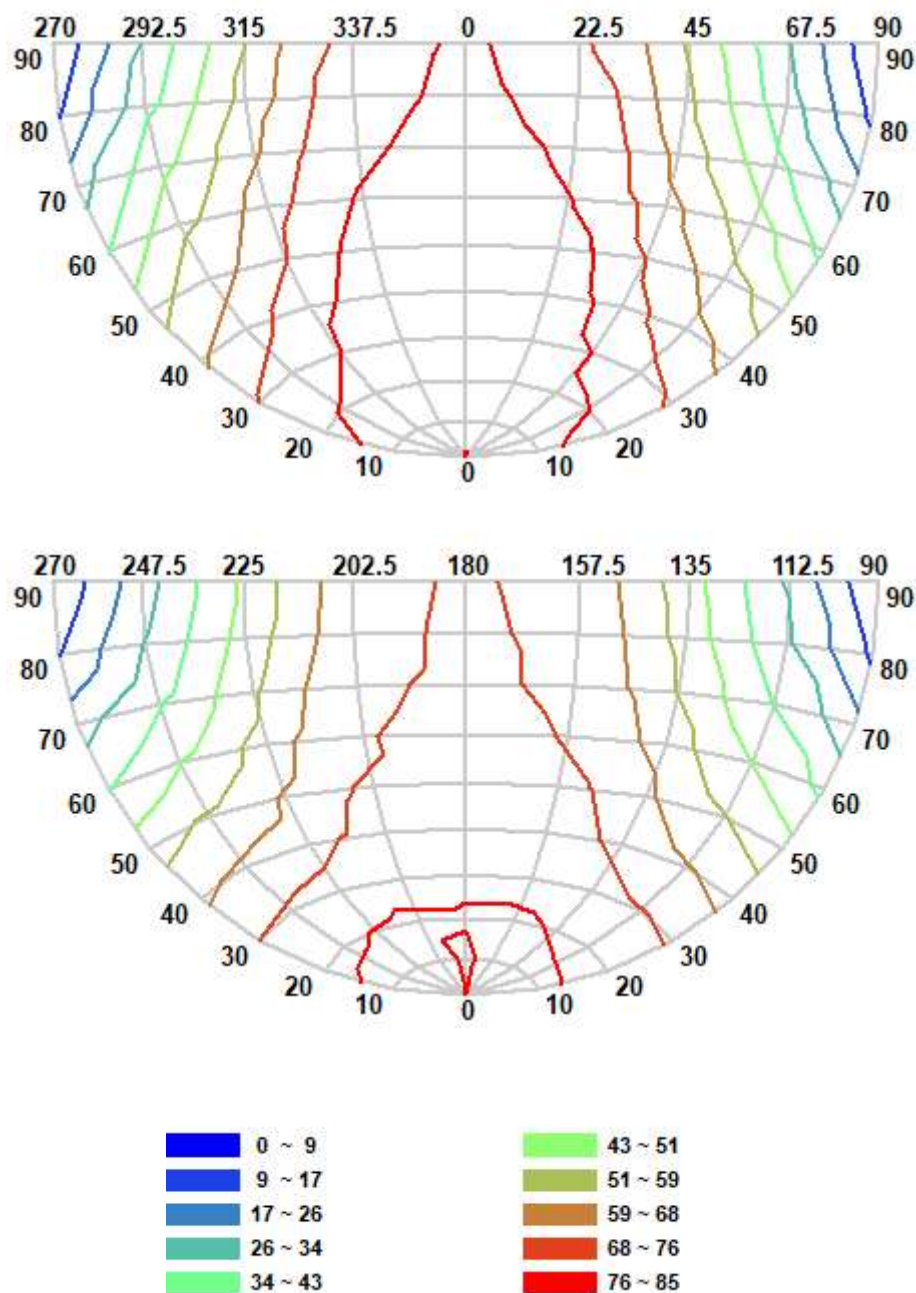
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IsoCandela (Type C)



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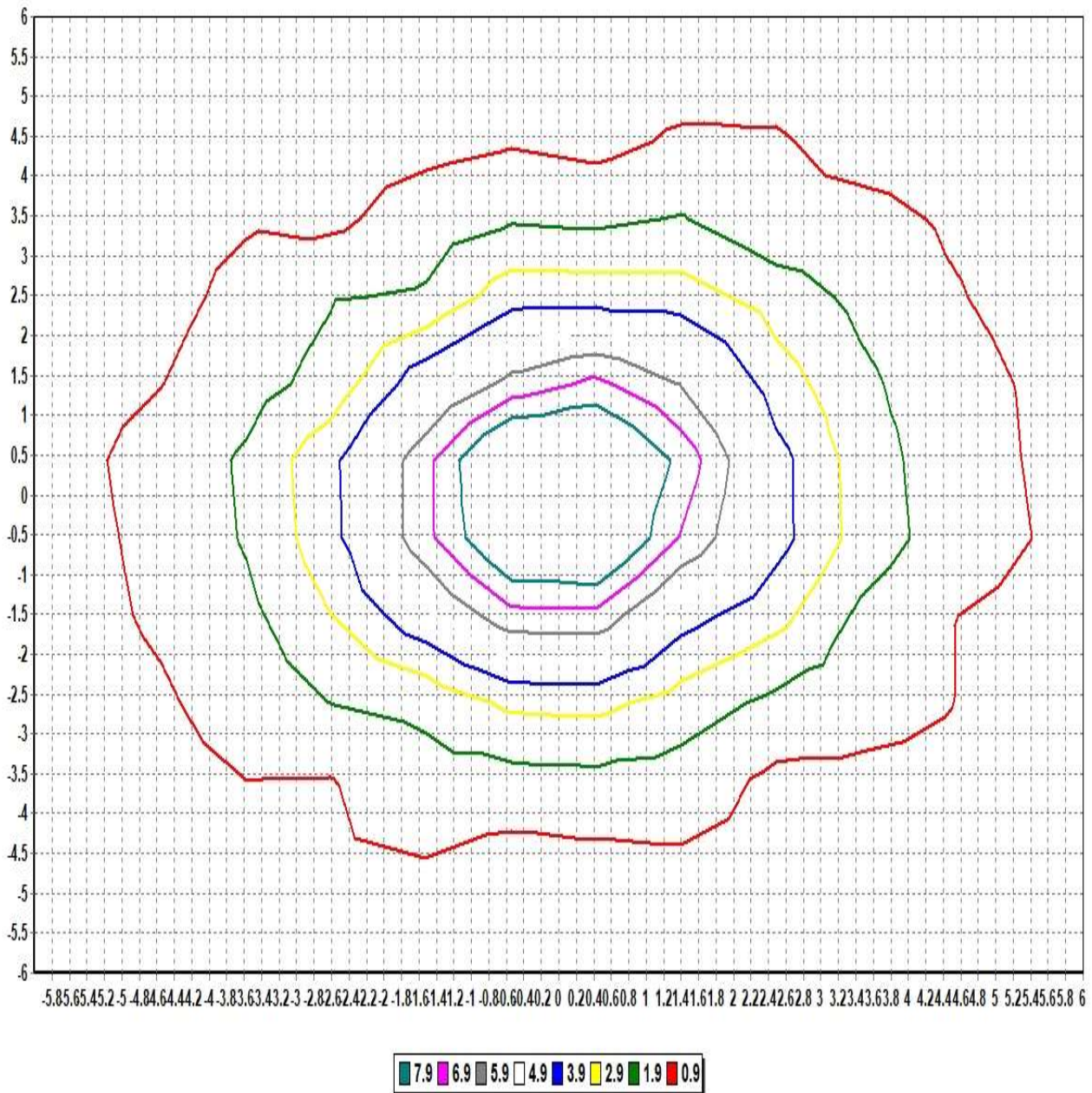
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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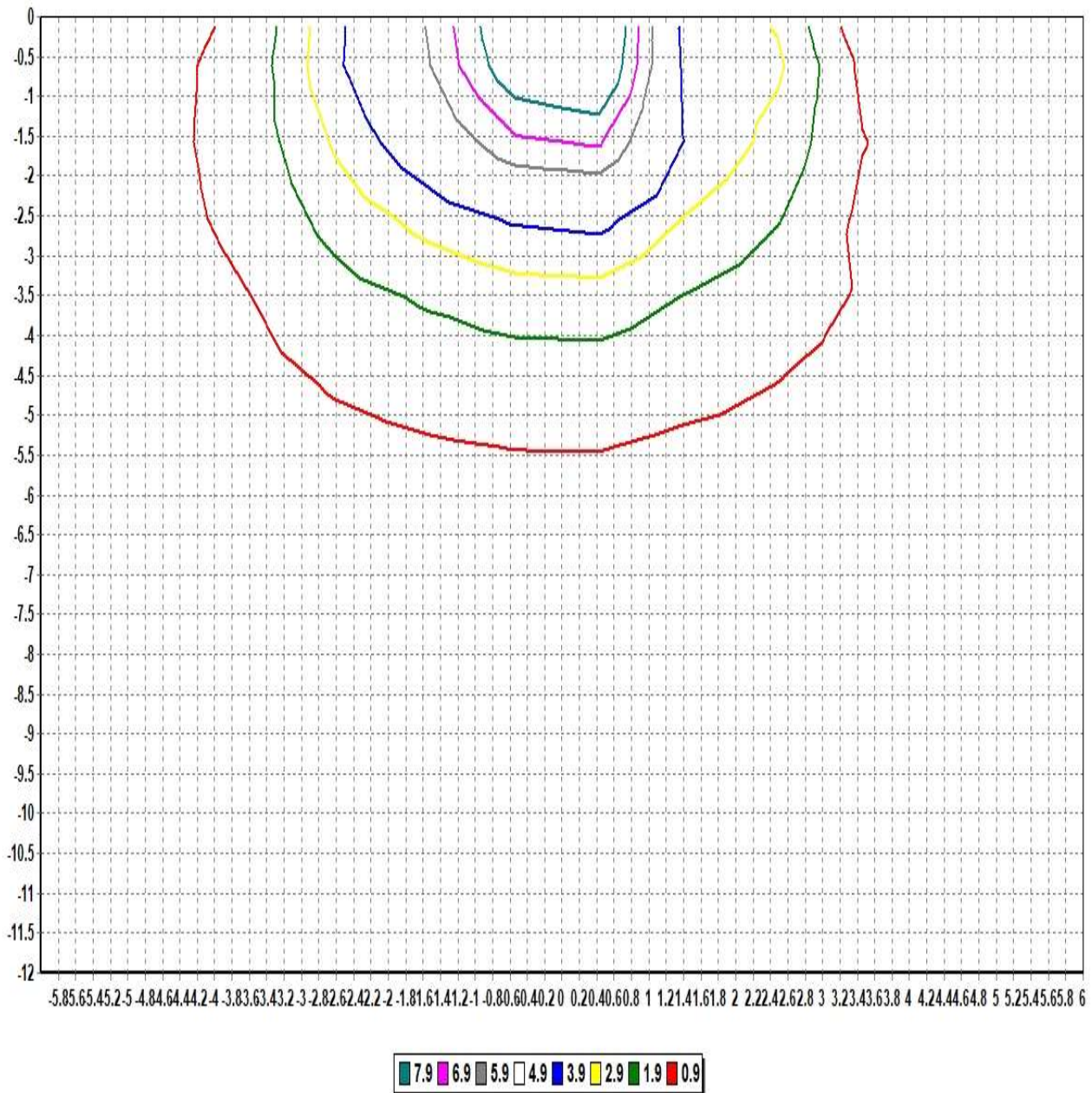
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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 520 Current (A) 0.40155

Operator

Total flux (lm) 520 Power Factor 1

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Illuminance Levels (Ground)

6.00	0.14	0.17	0.13	0.27	0.28	0.36	0.24	0.29	0.52	0.49	0.28	0.28	0.30
5.00	0.28	0.19	0.23	0.27	0.59	0.73	0.64	0.68	0.87	0.49	0.43	0.48	0.39
4.00	0.35	0.46	0.49	0.67	0.85	1.03	0.90	1.00	1.36	0.91	0.88	0.64	0.48
3.00	0.31	0.64	0.94	0.88	1.59	1.90	1.96	2.64	1.93	1.69	1.22	0.84	0.52
2.00	0.41	0.68	0.92	2.02	2.39	3.82	4.28	4.88	3.67	2.48	1.43	0.97	0.63
1.00	0.64	0.99	1.57	2.23	3.92	6.61	8.75	7.85	5.02	3.01	1.79	1.12	0.69
0.00	0.68	1.07	1.75	2.99	5.29	8.50	10.38	9.03	6.01	3.48	2.02	1.25	0.78
-1.00	0.61	0.98	1.56	2.61	4.39	7.17	8.78	6.83	4.29	2.48	1.81	1.15	0.73
-2.00	0.55	0.84	1.26	2.15	3.19	4.31	4.37	4.14	2.55	2.27	1.05	0.76	0.47
-3.00	0.46	0.73	1.05	1.47	1.79	2.34	2.03	2.06	1.65	0.97	1.06	0.73	0.35
-4.00	0.42	0.56	0.76	0.82	1.20	0.96	0.94	0.98	0.97	0.70	0.53	0.52	0.40
-5.00	0.34	0.42	0.37	0.43	0.77	0.66	0.66	0.69	0.65	0.29	0.25	0.21	0.32
-6.00	0.26	0.24	0.24	0.43	0.45	0.28	0.25	0.33	0.32	0.31	0.15	0.19	0.16
-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.) : 10.376

Illum. (Min.) : 0.1330

Illum. (Avg.) : 1.6008

All illuminance level values are in lux.



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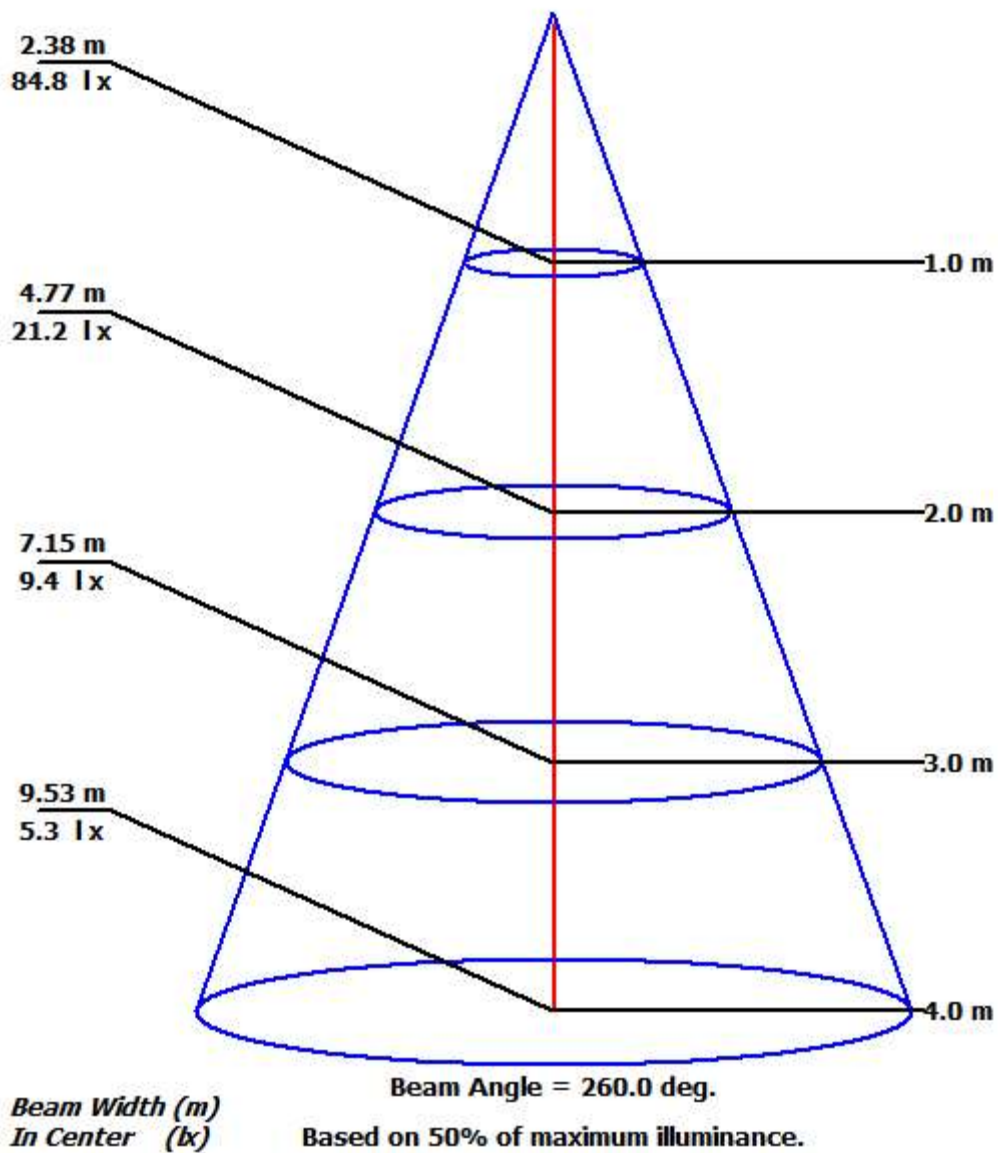
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Illuminance Cone Diagram



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Total flux (lm) 520 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