

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 : 230427

4. Test Standard / Item : / FN360 60K-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
230427			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3141 , 0.3223	
Correlated Color Temperature	K	6481	
Ra		94.91	
Power Factor		1.000	
Input Voltage	V	23.946	
Input Current	A	0.418	
Input Watt	W	10.019	
Lamp Flux	lm	495	
Efficient	lm/W	49.41	
luminous Intensity (Max , Center)	cd	76 , 76	
Illuminance	lx	76	1 m
		19	2 m
		8	3 m

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

* Sample photo

[Click to load image](#)

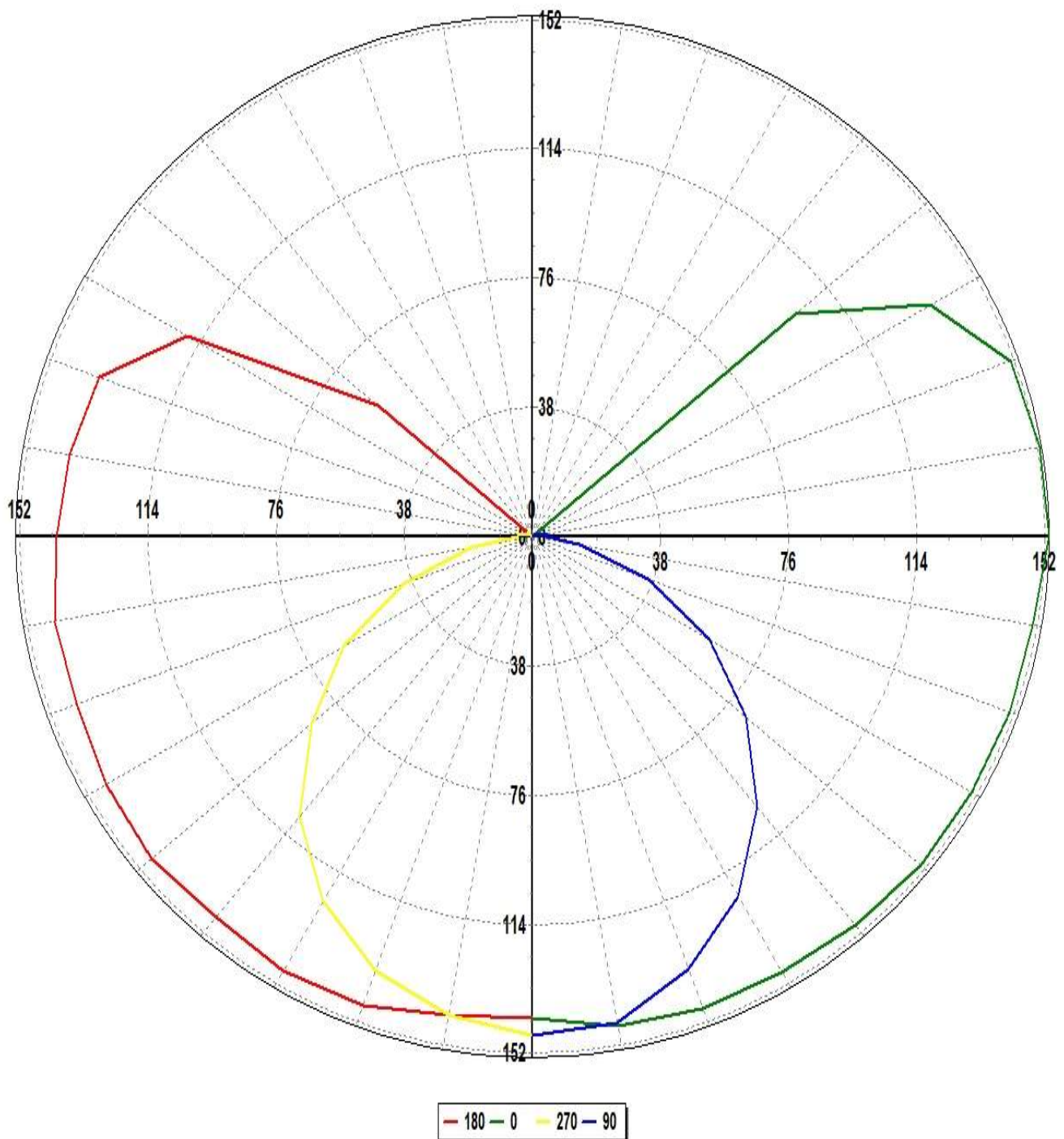
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.946
Lamp flux (lm)	495	Current (A)	0.41838
Total flux (lm)	495	Power Factor	1

Report	230427
Filename	FN360 60K-24V-1M.jdt
Operator	
Date	2023-04-27 오전 11:02:54

Luminous Intensity Distribution



Luminaire KH FEELUX

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Total flux (lm) 495

Power Factor 1

Report

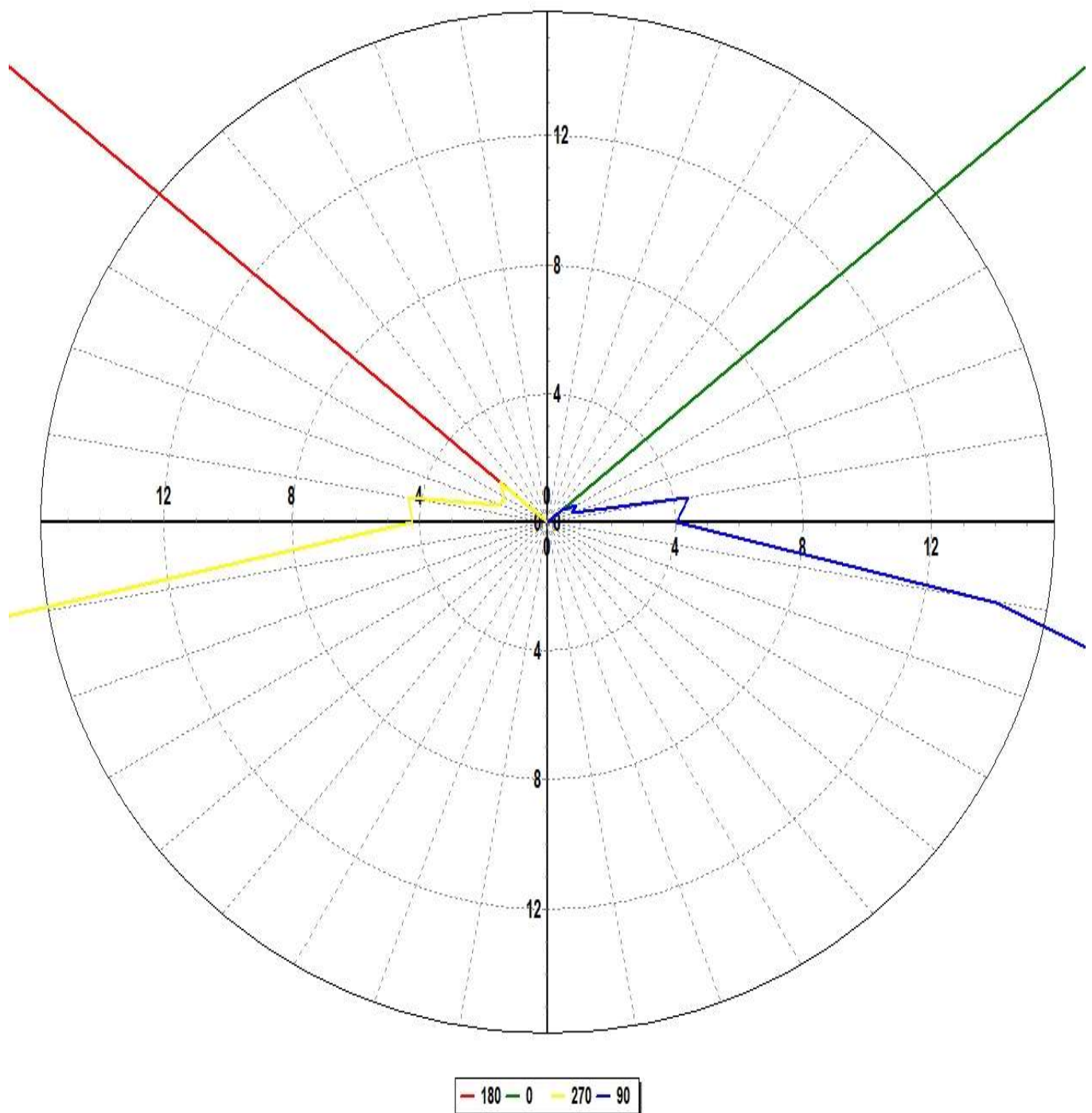
230427

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Luminous Intensity Distribution (Lowest 10%)



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Total flux (lm) 495

Power Factor 1

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Luminous Intensity Data

Maximum (cd) : 76

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	70.07	72.81	72.4	72.49	72.93	72.42	70.07	72.81	72.4	72.49	72.93	72.42	70.07
10	72.43	72.03	70	71.76	72.08	73.4	70.78	73.09	72.18	70.63	72.08	72.56	72.43
20	73.05	71.24	68.16	67.03	69.75	72.23	72.66	73.11	69.78	67.33	68.47	71.4	73.05
30	73.22	69.6	62.91	60.45	64.97	70.42	73.08	70.44	64.75	61.28	65.02	70.88	73.22
40	73.86	68.37	57.4	51.32	58.03	69.25	72.28	67.63	59.31	53.12	59.2	69.55	73.86
50	74.47	67.39	50.39	40.84	51.89	67.42	72.91	64.69	51.73	42.28	52.8	68.38	74.47
60	74.47	66.13	44.23	29.92	45.44	65.13	72.2	63.68	43.93	31.82	46.81	68.75	74.47
70	74.62	64.53	37.57	18.13	39.82	63.28	71.15	61.15	36.12	20.13	41.57	66.22	74.62
80	74.59	63.8	33.6	7.06	34.8	61.5	71.2	59.97	30.65	9.17	36.47	65.44	74.59
90	75.82	64.12	31.53	1.99	31.83	60.41	69.75	57.9	27.48	2.09	35.65	64.93	75.82
100	75.62	63.66	34.22	2.21	33.73	59.9	68.88	57.49	29.46	2.19	35.14	65.33	75.62
110	74.65	64.5	23.31	0.39	17.54	60.1	67.67	57.73	20.37	0.78	32.24	64.48	74.65
120	67.39	46.2	4.5	0.51	11.79	34.73	58.44	36.8	3.59	0.77	6.97	48.5	67.39
130	50.33	20.43	20.06	0.3	19.59	12.93	29.57	16.74	22.8	0.97	23.84	22.81	50.33

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Luminous Flux Table

Total Lamp Lumens: 494.99

Luminaire Efficiency (lm/W): 49.41

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.73	1.73	0.35	0.35
10	13.68	15.40	3.11	3.11
20	26.35	41.76	8.44	8.44
30	36.83	78.58	15.88	15.88
40	44.55	123.13	24.88	24.88
50	49.30	172.44	34.84	34.84
60	51.57	224.01	45.25	45.26
70	50.97	274.98	55.55	55.55
80	49.28	324.26	65.51	65.51
90	47.78	372.04	75.16	75.16
100	47.44	419.48	84.74	84.75
110	41.49	460.97	93.13	93.13
120	25.31	486.28	98.24	98.24
130	8.71	494.99	100.00	100.00

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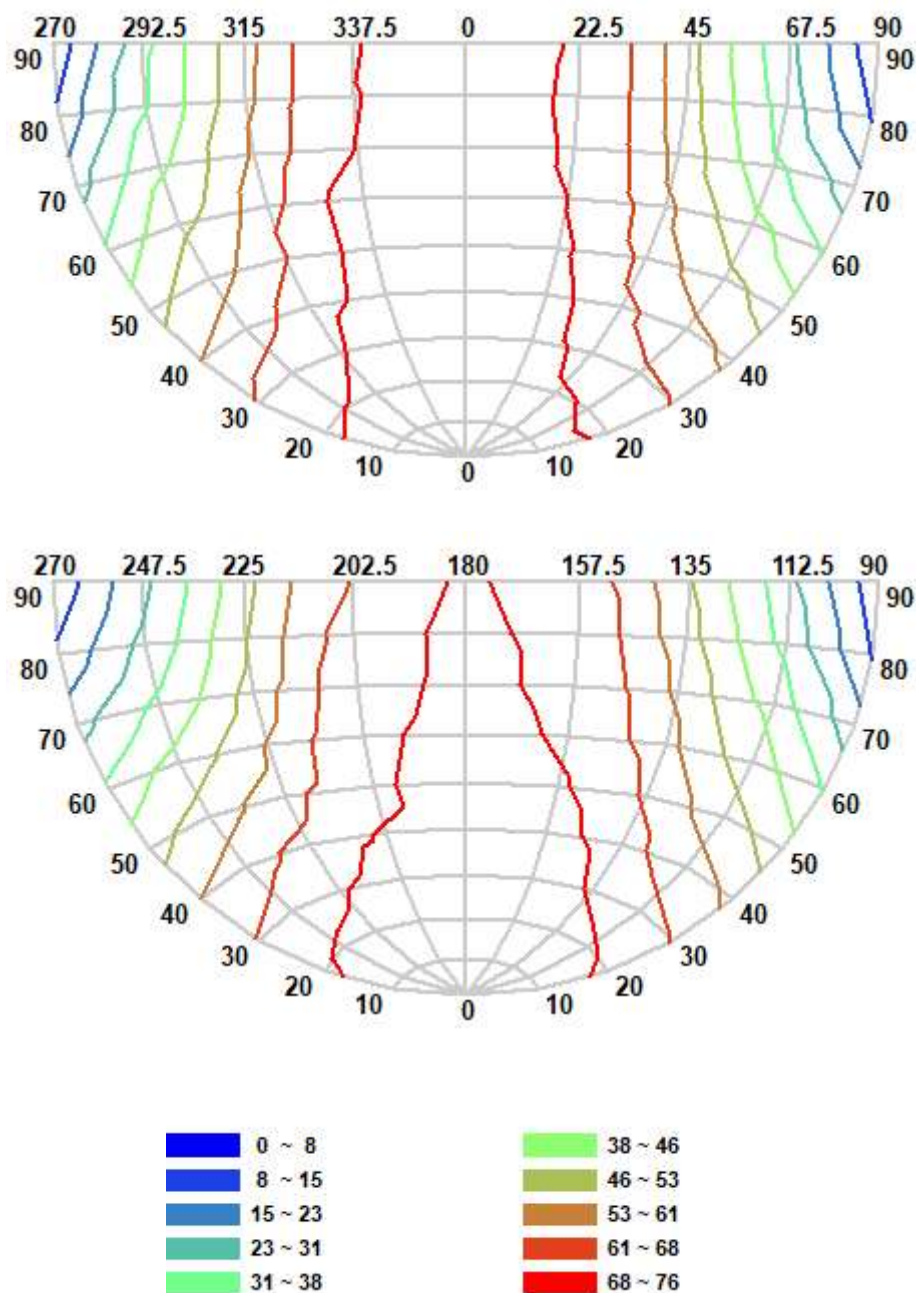
Operator

Total flux (lm) 495

Power Factor 1

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IsoCandela (Type C)



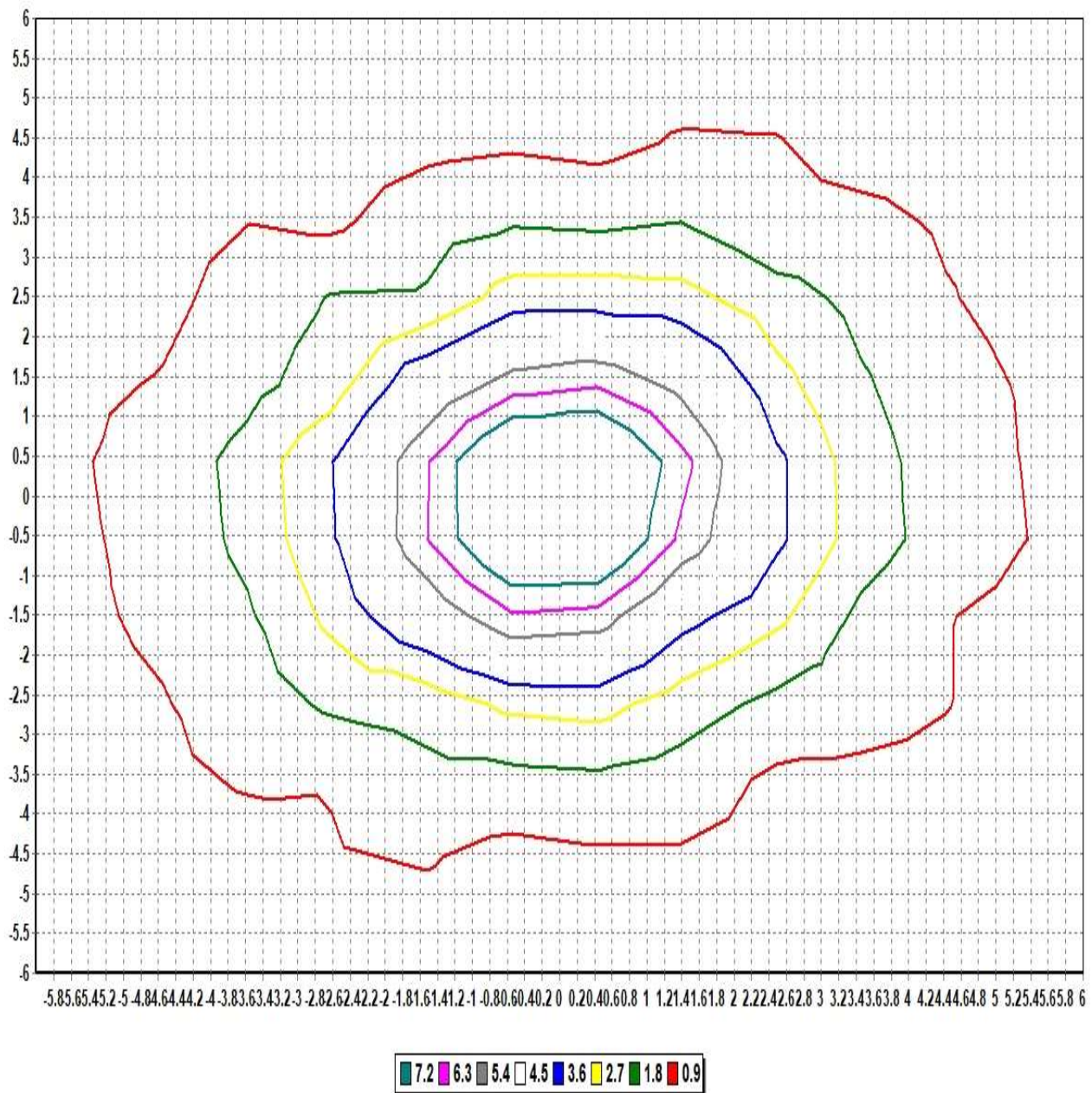
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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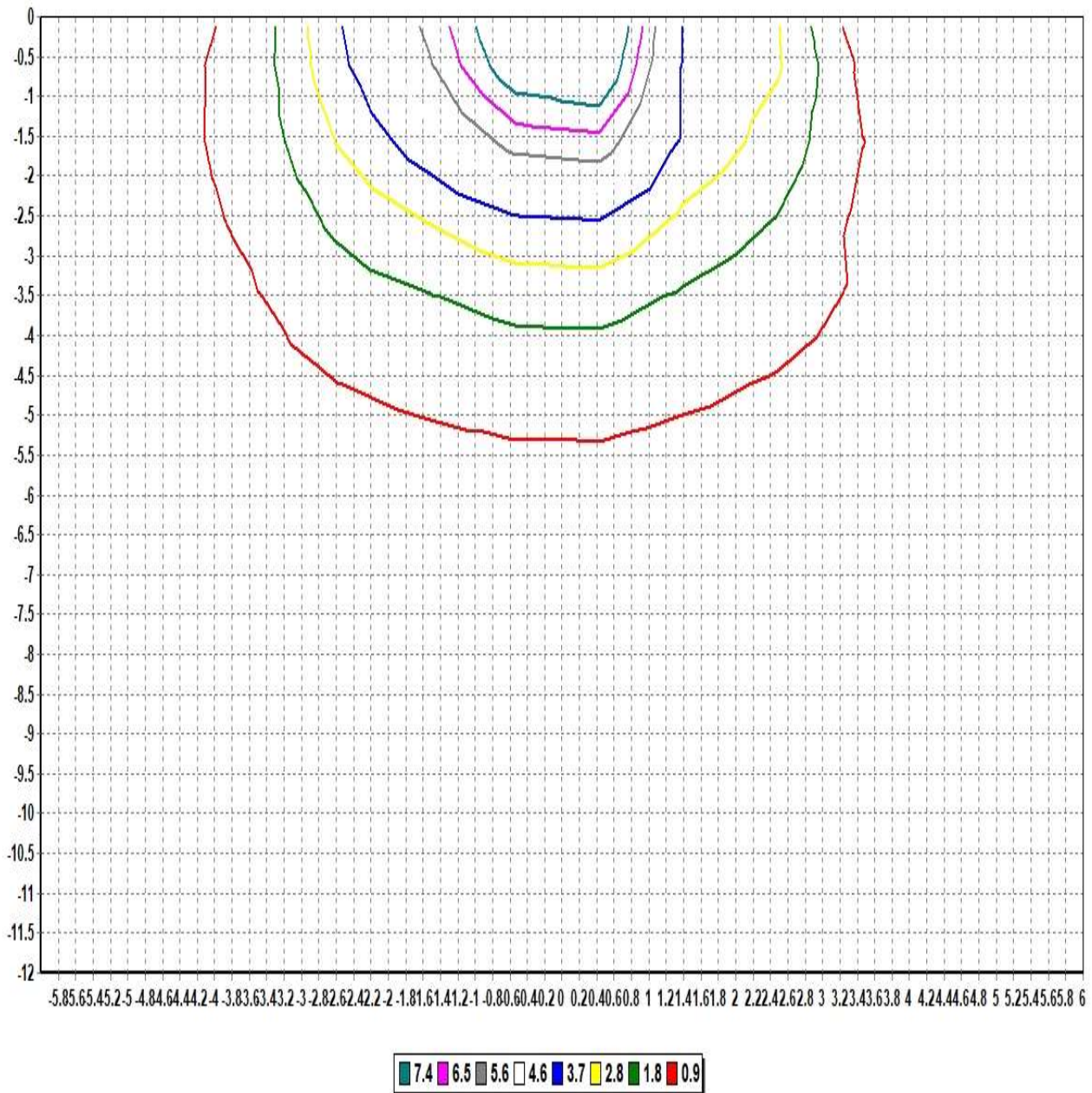
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IsoLux Diagram (Wall)



Pole Height (m):	2.7	Wall Distance (m):	2.7
Aiming Plane:	0	Wall Height (m):	12
Total Optical Solution Provider			

Luminaire KH FEELUX

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Total flux (lm) 495 Power Factor 1

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Illuminance Levels (Ground)

6.00	0.14	0.16	0.13	0.28	0.28	0.32	0.22	0.26	0.46	0.44	0.24	0.24	0.27
5.00	0.28	0.19	0.22	0.25	0.57	0.63	0.57	0.60	0.76	0.42	0.38	0.43	0.34
4.00	0.36	0.46	0.47	0.61	0.84	0.91	0.82	0.89	1.21	0.79	0.77	0.58	0.43
3.00	0.31	0.65	0.93	0.85	1.45	1.80	1.76	2.29	1.68	1.50	1.07	0.76	0.47
2.00	0.42	0.67	0.92	1.98	2.23	3.61	3.88	4.21	3.21	2.17	1.27	0.85	0.57
1.00	0.63	0.99	1.56	2.18	3.73	6.11	8.10	6.83	4.33	2.63	1.61	0.99	0.64
0.00	0.68	1.07	1.74	2.99	5.16	8.01	9.61	8.20	5.24	3.05	1.79	1.10	0.71
-1.00	0.61	0.97	1.55	2.55	4.28	6.87	7.98	6.13	3.80	2.22	1.62	1.01	0.66
-2.00	0.54	0.82	1.23	2.12	3.13	4.19	3.98	3.68	2.29	2.00	0.95	0.69	0.43
-3.00	0.45	0.73	1.04	1.45	1.72	2.25	1.82	1.85	1.49	0.88	0.95	0.68	0.32
-4.00	0.41	0.55	0.75	0.79	1.17	0.91	0.87	0.93	0.87	0.63	0.48	0.48	0.37
-5.00	0.33	0.41	0.36	0.41	0.74	0.62	0.60	0.65	0.59	0.27	0.23	0.20	0.29
-6.00	0.26	0.24	0.23	0.42	0.44	0.27	0.24	0.32	0.30	0.29	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.) : 9.6124

Illum. (Min.) : 0.1264

Illum. (Avg.) : 1.4775

All illuminance level values are in lux.



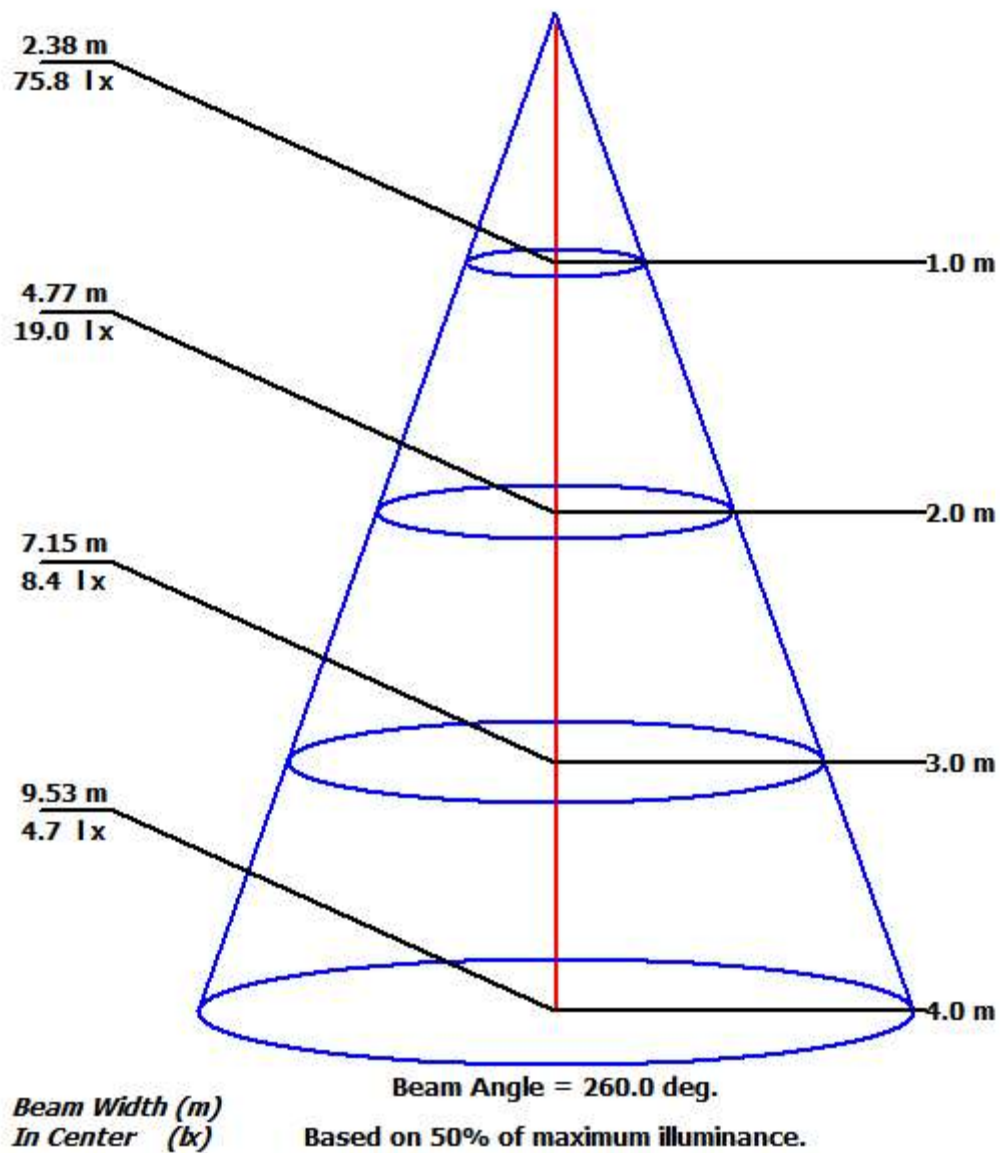
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Illuminance Cone Diagram



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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