

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 SD-24V-1M (DUAL_27K+50K)

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		0.3941 , 0.3757	
Correlated Color Temperature	K	3641	
Ra		95.7	
Power Factor		1.000	
Input Voltage	V	23.948	
Input Current	A	0.419	
Input Watt	W	10.042	
Lamp Flux	lm	457.3	
Efficient	lm/W	45.54	
luminous Intensity (Max , Center)	cd	74 , 74	
Illuminance	lx	74	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

Report

230426

No. of lamps 1

Voltage (V)

23.94Filename FN360 SD-24V-1M (DUAL_27K+50K).jdt

Lamp flux (lm) 457

Current (A)

0.4193Operator

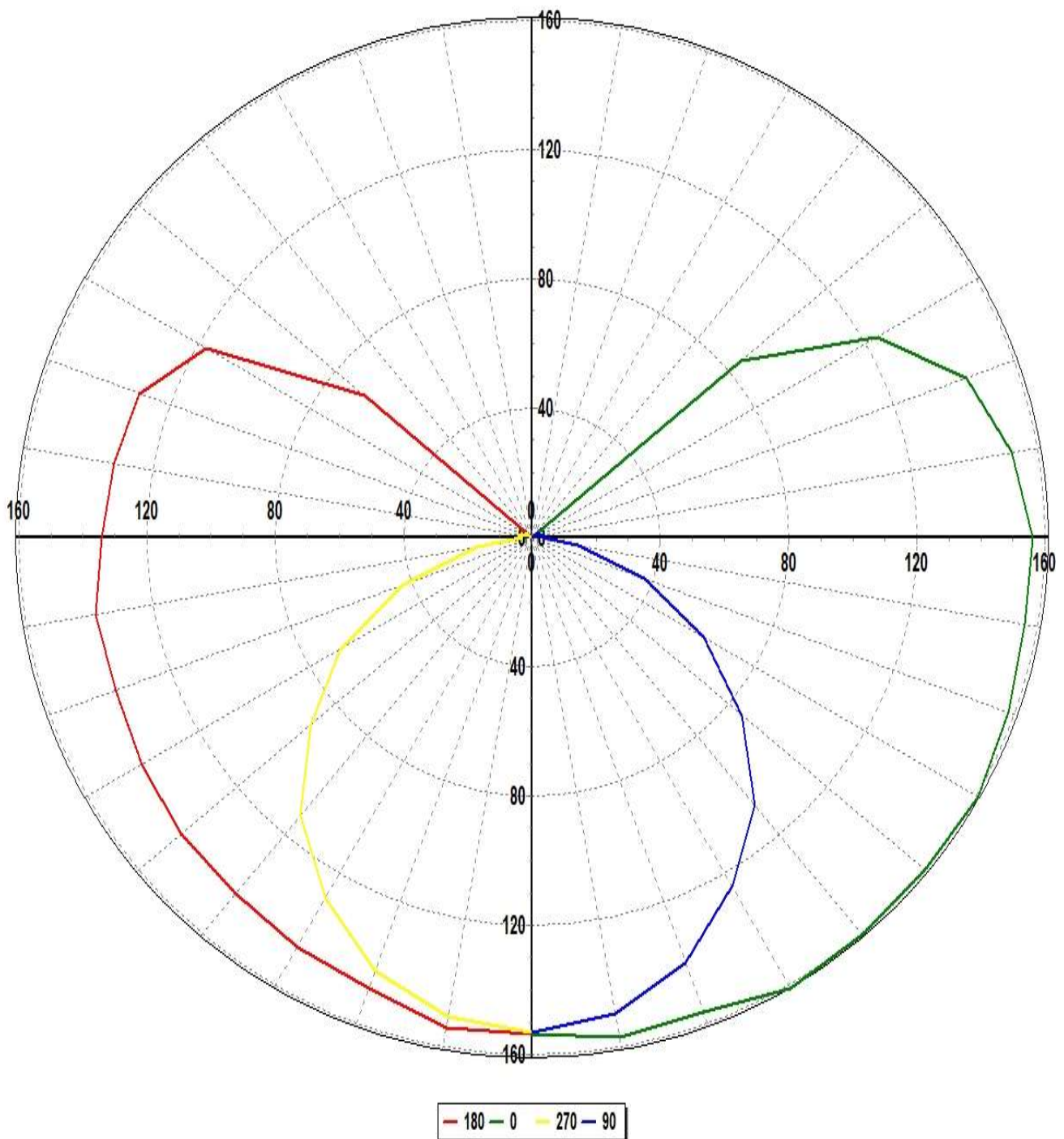
Total flux (lm) 457

Power Factor

Date

2023-04-26 오후 3:50:59

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

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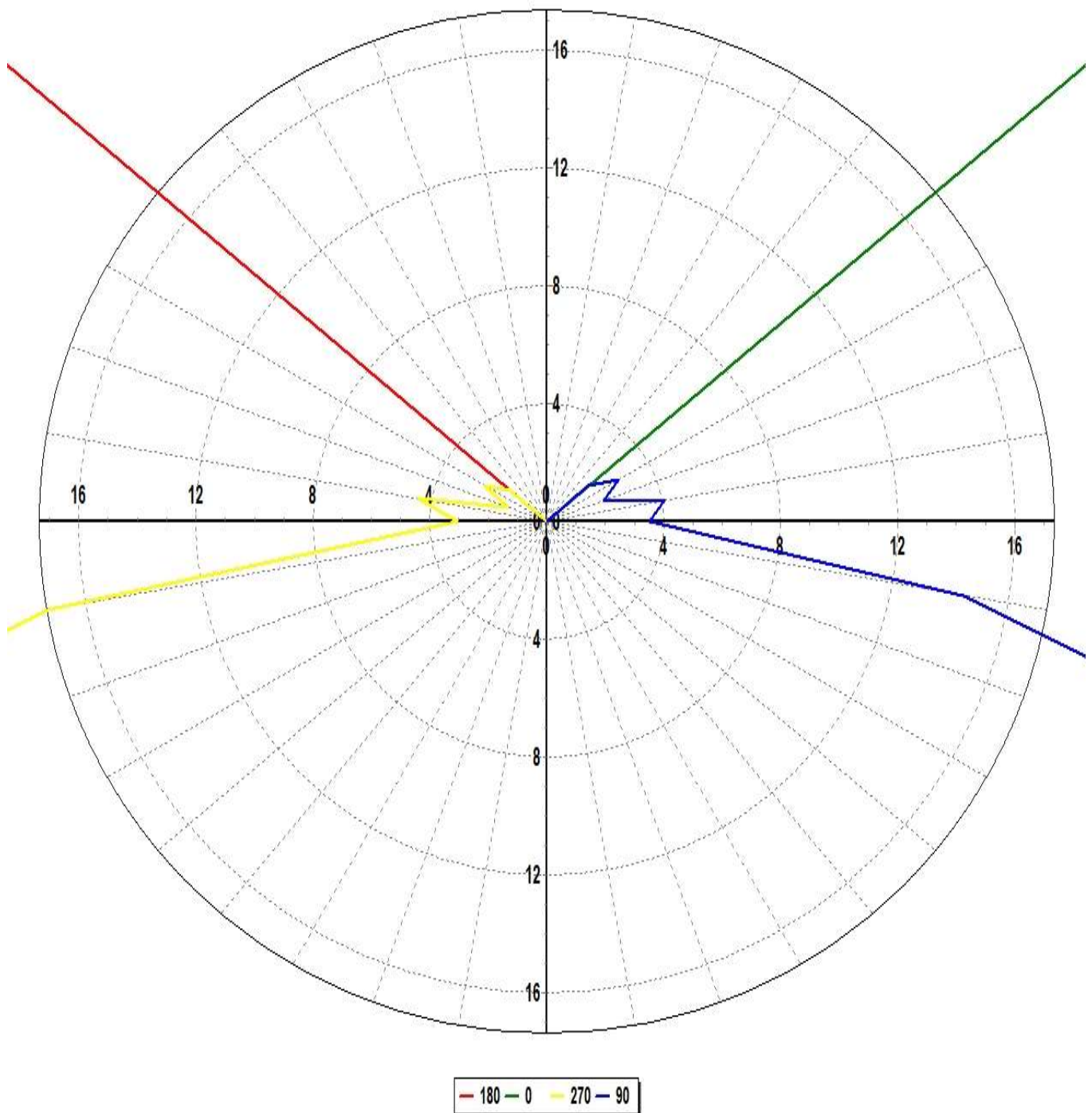
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Luminous Intensity Distribution (Lowest 10%)



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Luminous Intensity Data

Maximum (cd) : 74

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	70.22	69.87	70.54	69.98	69.87	70.05	70.22	69.87	70.54	69.98	69.87	70.05	70.22
10	71.9	70.44	69.71	68.31	69.15	68.85	70.38	69.96	69.05	68.77	70.42	71.15	71.9
20	71.53	70.23	67.27	64.03	65.81	66.69	67.78	67.63	65.25	65.31	68.06	70.37	71.53
30	73.61	69.42	61.98	57.03	60.66	65.01	66.88	64.62	60.24	58.9	64.24	70.51	73.61
40	73.26	67.39	55.82	49.44	53.58	63.35	65.73	61.74	54.04	51.28	58.12	70.2	73.26
50	73.15	65.61	48.94	39.13	47.45	59.93	65.36	58.86	46.37	41.23	53.87	68.04	73.15
60	73.39	63.58	41.29	28.26	41.27	57.86	64.28	56.69	39.04	31.51	47.8	66.74	73.39
70	72.21	60.76	34.18	16.98	36.25	55.38	63.13	53.44	32.13	19.51	41.91	64.84	72.21
80	71.29	59.13	29.05	6.62	30.65	54.21	63.1	52.09	26.06	7.92	36.88	63.25	71.29
90	71.31	57.86	26.34	1.61	29.19	53.37	61.32	49.84	24.11	1.39	33.98	61.7	71.31
100	69.49	56.47	26.97	1.88	29.81	52.77	60.5	50.29	24.65	2.06	33.92	60.49	69.49
110	65.85	55.02	17.78	0.93	18.96	52.49	59.61	49.49	18.54	0.64	28.12	58.69	65.85
120	56.78	39.2	6.1	1.3	9.45	33.2	53.63	35.64	3.87	1.13	6.67	42.04	56.78
130	38.83	12.87	17.45	0.84	18.91	13.86	31.07	18.87	13.55	0.74	20.35	17.97	38.83

Luminaire KH FEELUX

Lamp

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Luminous Flux Table

Total Lamp Lumens: 457.33

Luminaire Efficiency (lm/W): 45.54

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.68	1.68	0.37	0.37
10	13.28	14.96	3.27	3.27
20	25.28	40.24	8.80	8.80
30	35.28	75.52	16.51	16.51
40	42.47	117.99	25.80	25.80
50	46.70	164.69	36.01	36.01
60	48.35	213.04	46.59	46.58
70	47.23	260.28	56.92	56.91
80	44.96	305.24	66.75	66.74
90	43.08	348.32	76.17	76.16
100	42.18	390.50	85.39	85.39
110	36.55	427.05	93.38	93.38
120	22.84	449.89	98.38	98.37
130	7.44	457.33	100.01	100.00

Luminaire KH FEELUX

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23.94Filename FN360 SD-24V-1M (DUAL_27K+50K).jdt

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0.419Operator

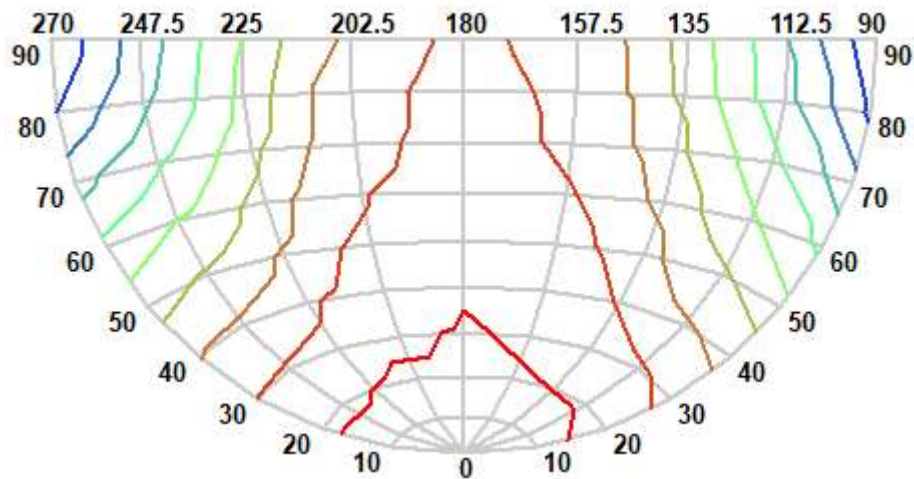
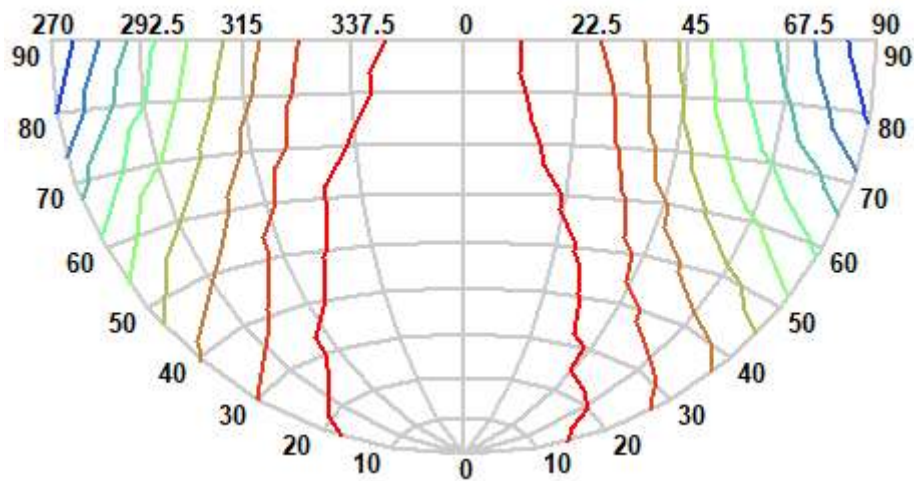
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IsoCandela (Type C)



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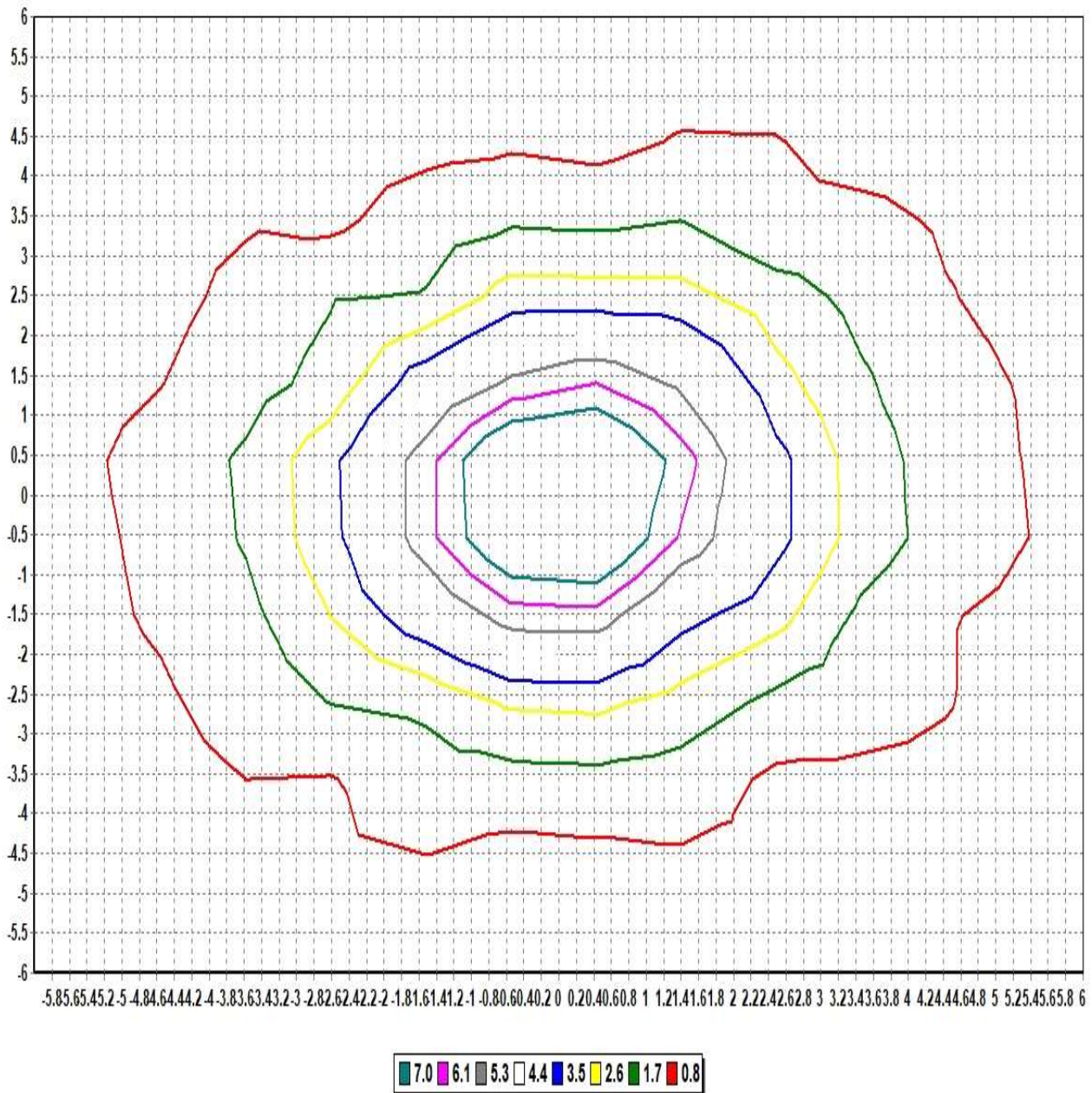
Total flux (lm) 457

Power Factor

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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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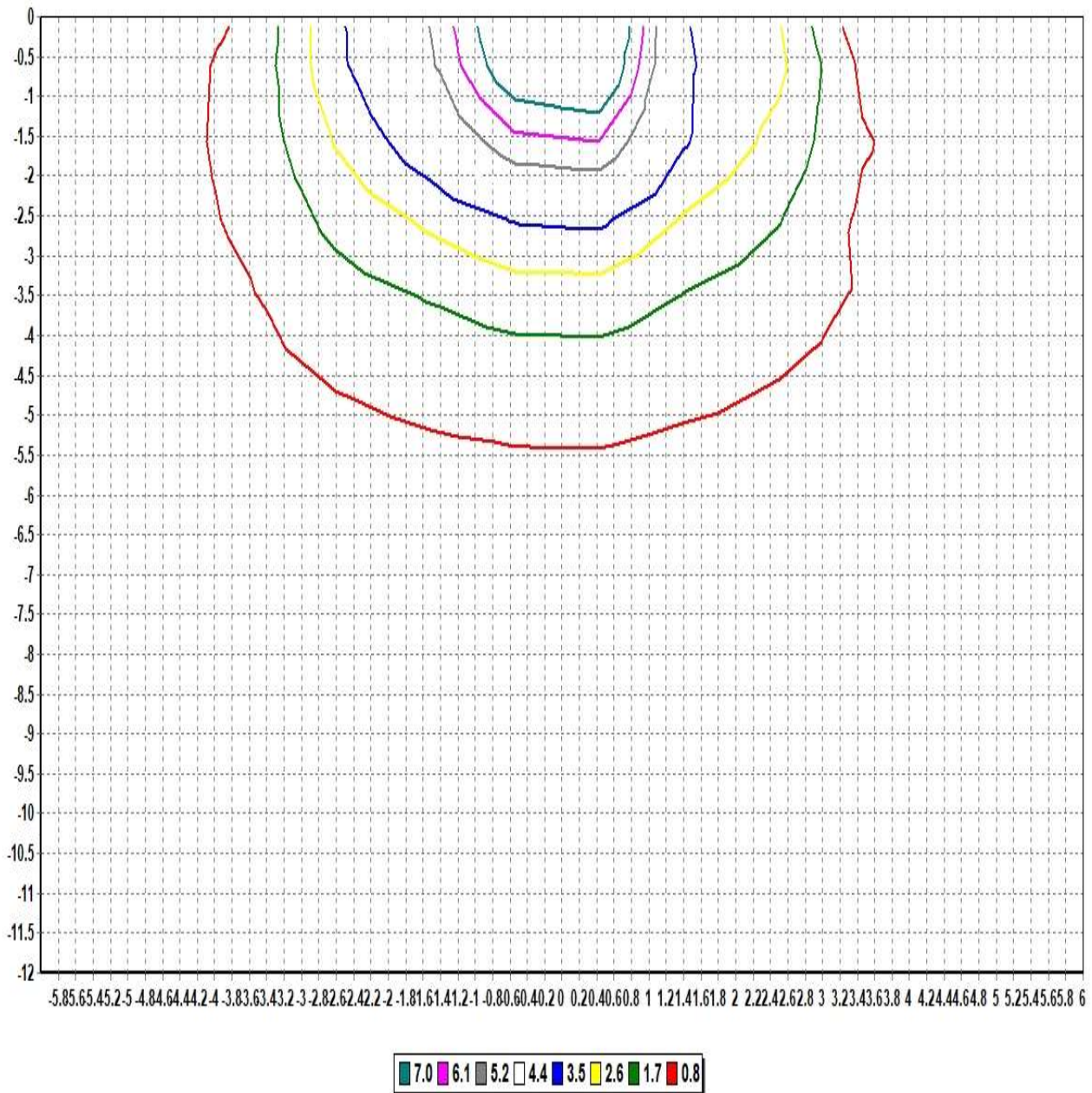
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IsoLux Diagram (Wall)



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

No. of lamps	1	Voltage (V)	23.948
Lamp flux (lm)	457	Current (A)	0.41931
Total flux (lm)	457	Power Factor	1

Report

230426

Filename FN360 SD-24V-1M (DUAL_27K+50K).jdt

Operator

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Illuminance Levels (Ground)

6.00	0.13	0.15	0.12	0.25	0.26	0.29	0.21	0.24	0.43	0.42	0.22	0.23	0.26
5.00	0.25	0.17	0.20	0.23	0.53	0.61	0.55	0.57	0.74	0.39	0.35	0.42	0.34
4.00	0.31	0.41	0.43	0.58	0.77	0.86	0.78	0.84	1.16	0.76	0.76	0.56	0.42
3.00	0.28	0.57	0.83	0.78	1.38	1.68	1.69	2.23	1.63	1.46	1.05	0.74	0.45
2.00	0.37	0.61	0.83	1.80	2.09	3.34	3.71	4.15	3.15	2.14	1.23	0.83	0.55
1.00	0.56	0.89	1.39	1.97	3.44	5.75	7.71	6.81	4.27	2.58	1.58	0.98	0.62
0.00	0.60	0.96	1.55	2.69	4.71	7.95	9.63	8.13	5.22	3.00	1.76	1.08	0.69
-1.00	0.54	0.87	1.38	2.31	3.90	6.31	7.77	5.99	3.74	2.23	1.59	1.00	0.65
-2.00	0.48	0.74	1.09	1.92	2.83	3.82	3.84	3.61	2.27	2.01	0.96	0.69	0.43
-3.00	0.39	0.65	0.94	1.29	1.56	2.04	1.78	1.85	1.45	0.88	0.95	0.66	0.33
-4.00	0.37	0.49	0.67	0.71	1.04	0.85	0.85	0.86	0.88	0.63	0.48	0.48	0.37
-5.00	0.29	0.36	0.32	0.37	0.67	0.58	0.58	0.60	0.59	0.26	0.23	0.20	0.29
-6.00	0.23	0.21	0.21	0.37	0.39	0.25	0.23	0.29	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.) : 9.6324

Illum. (Min.) : 0.1177

Illum. (Avg.) : 1.4100

All illuminance level values are in lux.



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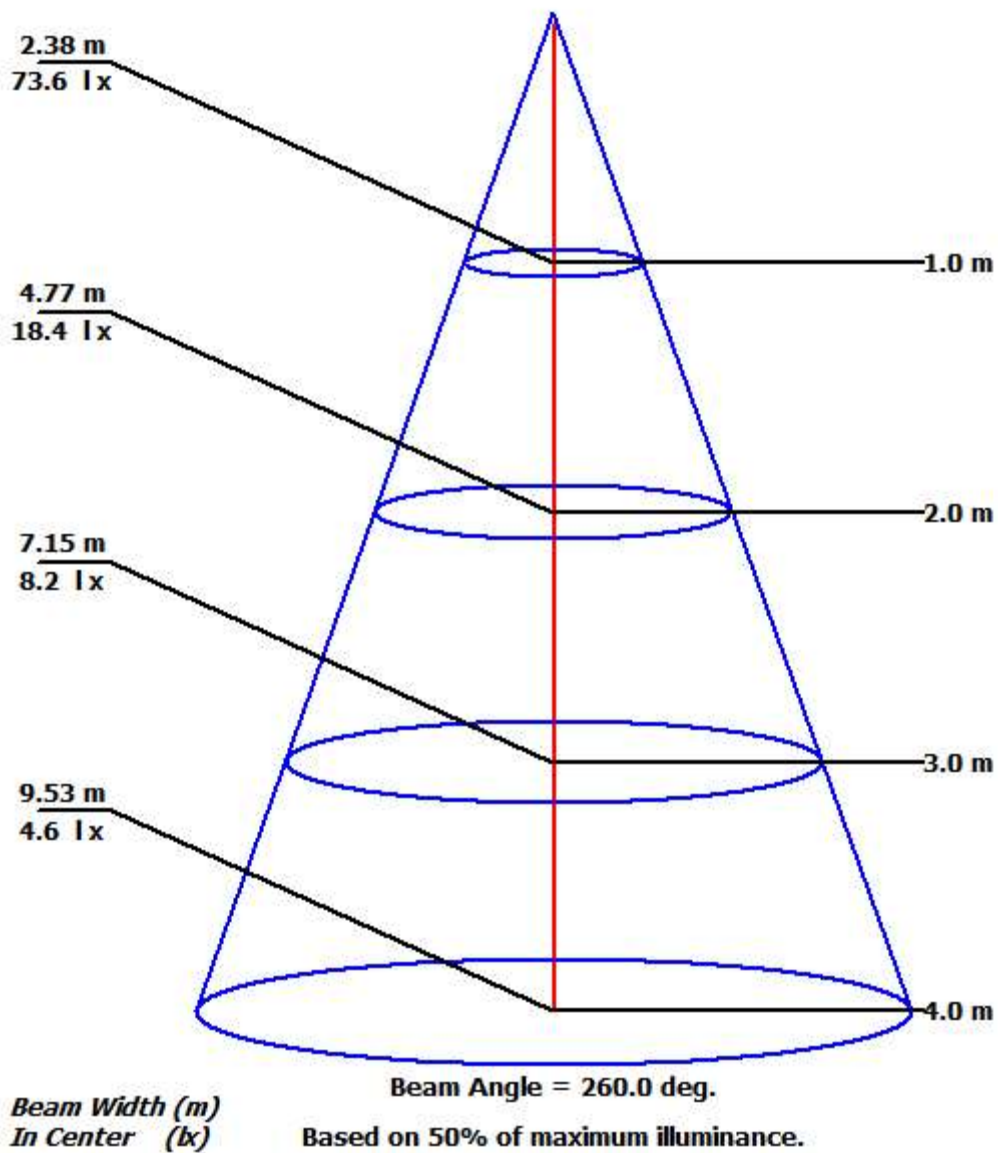
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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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