

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 230913

2. Purpose of Report :**3. Number of Report :** KH FEELUX**4. Test Standard / Item :** / 230920 NDF5 35K-120V-C90-F.F**5. Test Period :** 230913 ~ 230913**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	
	YHS	Sign	YHS	Sign

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reproduced, 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
KH FEELUX			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	23.8	
CIE 1931 Cx, Cy		0.4078 , 0.3860	
Correlated Color Temperature	K	3411	
Ra		93.92	
Power Factor		0.973	
Input Voltage	V	120.24	
Input Current	A	0.044	
Input Watt	W	5.17	
Lamp Flux	lm	402.7	
Efficient	lm/W	77.88	
luminous Intensity (Max , Center)	cd	128 , 128	
Illuminance	lx	128	1 m
		32	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

Report

KH FEELUX

No. of lamps 1

Voltage (V) 120.24

Filename 230920 NDF5 35K-120V-C90-F.F.jdt

Lamp flux (lm) 403

Current (A) 0.04421

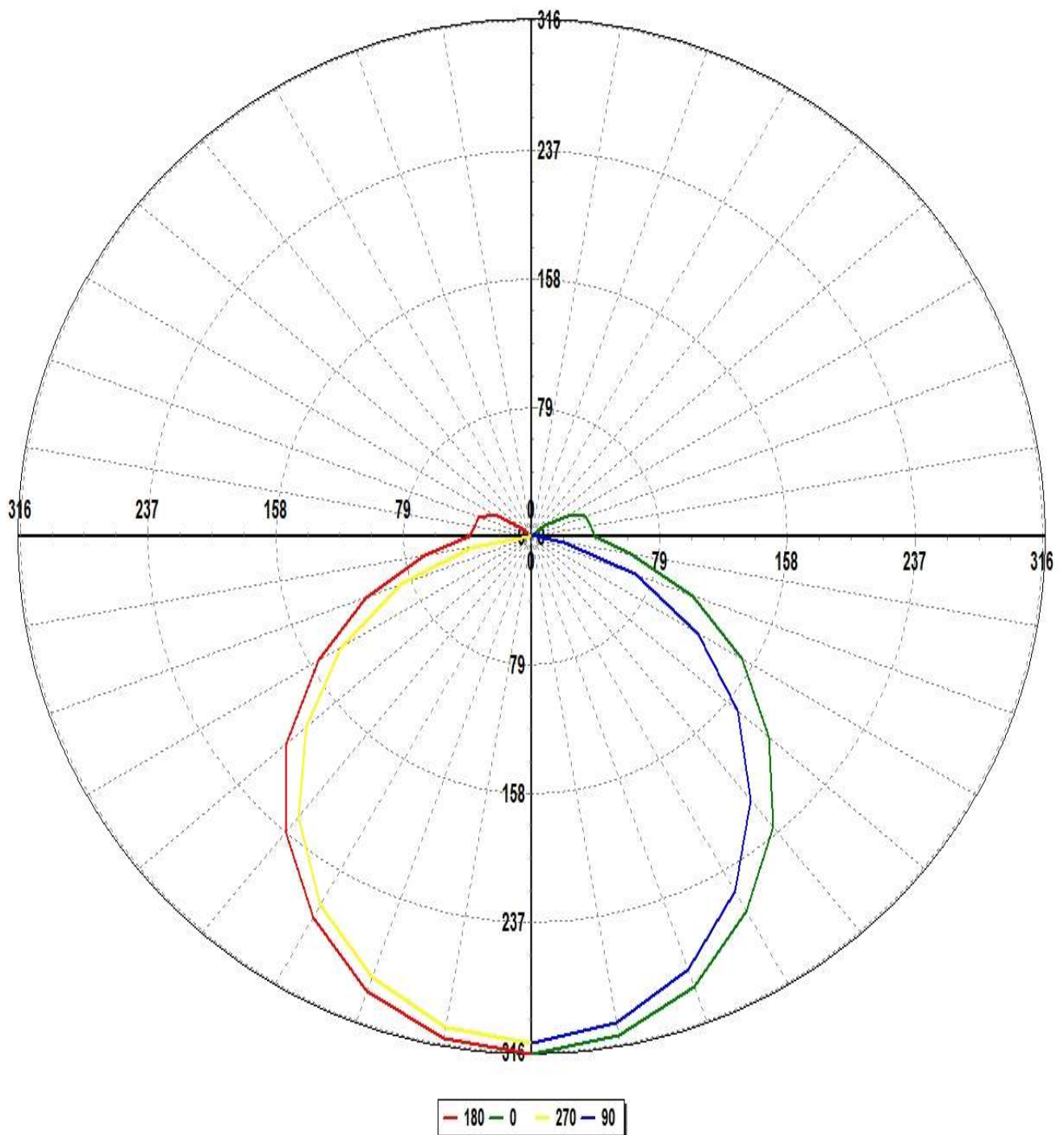
Operator

Total flux (lm) 403

Power Factor 0.9727

Date 2023-09-20 오후 1:49:42

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

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120.24

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Operator

Total flux (lm) 403

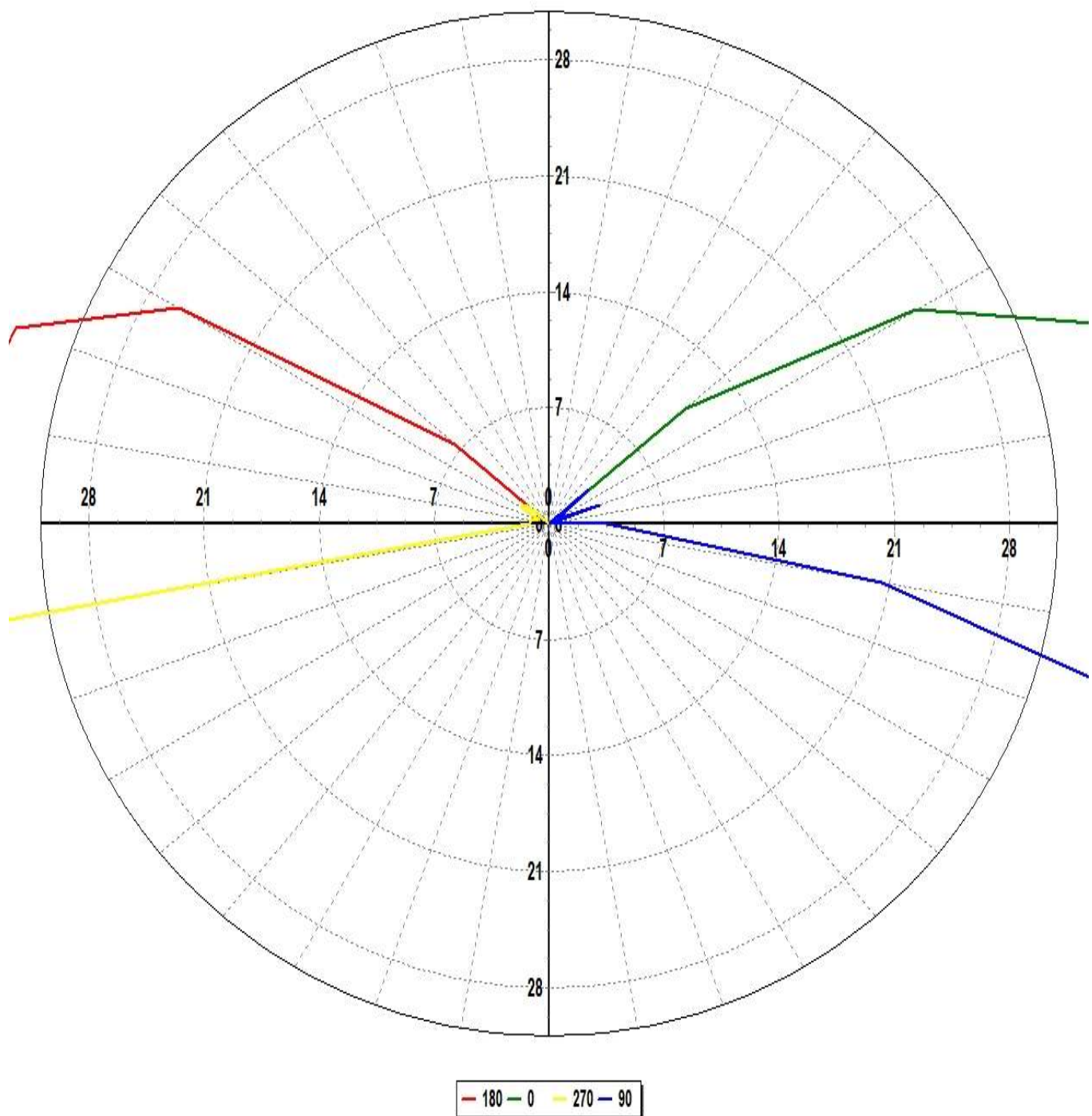
Power Factor

0.9727

Date

2023-09-20 오후 1:49:42

Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp

Report

KH FEELUX

No. of lamps	1	Voltage (V)	120.24	Filename	230920 NDF5 35K-120V-C90-F.F.jdt
Lamp flux (lm)	403	Current (A)	0.04421	Operator	
Total flux (lm)	403	Power Factor	0.9727	Date	2023-09-20 오후 1:49:42

Luminous Intensity Data

Maximum (cd) : 128

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	127.79	126.73	126.47	125.13	125.5	124.68	127.79	126.73	126.47	125.13	125.5
10	125.15	124.12	122.65	122.08	121.77	122.13	125.91	125.84	124.18	123.25	122.79
20	118.38	115.94	114.62	113.85	114.4	114.3	119.59	118.44	117.95	115.85	115.8
30	106.75	104.39	102.8	101.21	102.23	102.57	108.56	108.29	106.69	105.1	105.41
40	93.66	90.65	87.89	84.89	86.66	88.59	95.19	94.79	92.31	90.34	91.04
50	77.06	74.81	70.87	66.98	70.02	71.83	79.57	78.77	75.05	73.15	75.09
60	60.4	57.95	53.33	47.84	51.75	54.95	61.24	61.28	57.82	54.69	58.47
70	42.65	39.17	33.43	27.53	31.92	36.82	43.8	42.87	39.47	34.47	38.31
80	24.99	20.97	15.69	8.28	14.2	19.4	26.82	24.54	18.96	14.94	20.66
90	15.63	12.9	7.32	1.42	6.75	11.87	15.43	12.41	7.36	0.48	7.14
100	14.98	12.89	6.48	-0.36	6.85	11.63	14.44	12.28	6.29	0.46	6.64
110	14.26	12	5.56	1.31	6.17	11.83	13.9	11.86	5.62	0.29	6.13
120	10.39	10.53	0.73	0.25	1.38	11.11	10.47	10.68	1.51	0.81	0.84
130	4.35	4.21	3.53	1.27	3.75	2.87	3.01	2.67	2.84	0.65	2.91

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Luminous Intensity Data (Continued)

Maximum (cd) : 128

Minimum (cd) : 0

G/C	330	360
0	124.68	127.79
10	122.03	125.15
20	116.74	118.38
30	105.79	106.75
40	93.69	93.66
50	77.83	77.06
60	61.15	60.4
70	43.22	42.65
80	25.81	24.99
90	12.96	15.63
100	12.52	14.98
110	11.41	14.26
120	10.75	10.39
130	2.94	4.35

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Luminous Flux Table

Total Lamp Lumens: 402.66

Luminaire Efficiency (lm/W): 77.88

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.01	3.01	0.75	0.75
10	23.49	26.50	6.58	6.58
20	43.57	70.07	17.40	17.40
30	57.49	127.56	31.68	31.68
40	63.93	191.49	47.55	47.56
50	62.30	253.79	63.02	63.03
60	53.82	307.61	76.39	76.39
70	38.91	346.51	86.05	86.06
80	21.15	367.66	91.30	91.31
90	10.19	377.85	93.83	93.84
100	9.45	387.30	96.17	96.18
110	8.61	395.90	98.31	98.32
120	5.49	401.39	99.68	99.69
130	1.27	402.66	99.99	100.00

Luminaire KH FEELUX

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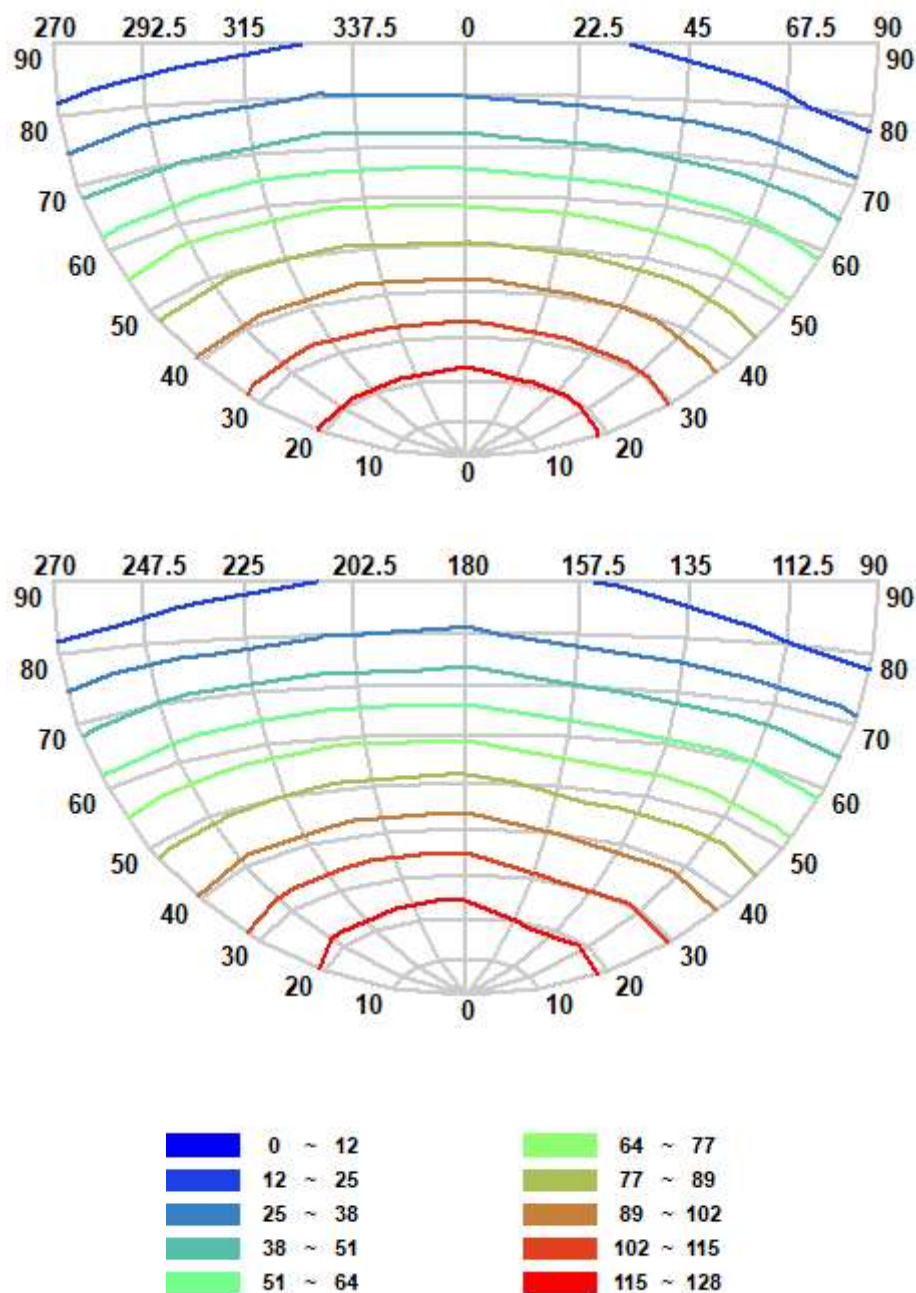
Power Factor

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IsoCandela (Type C)



Luminaire KH FEELUX

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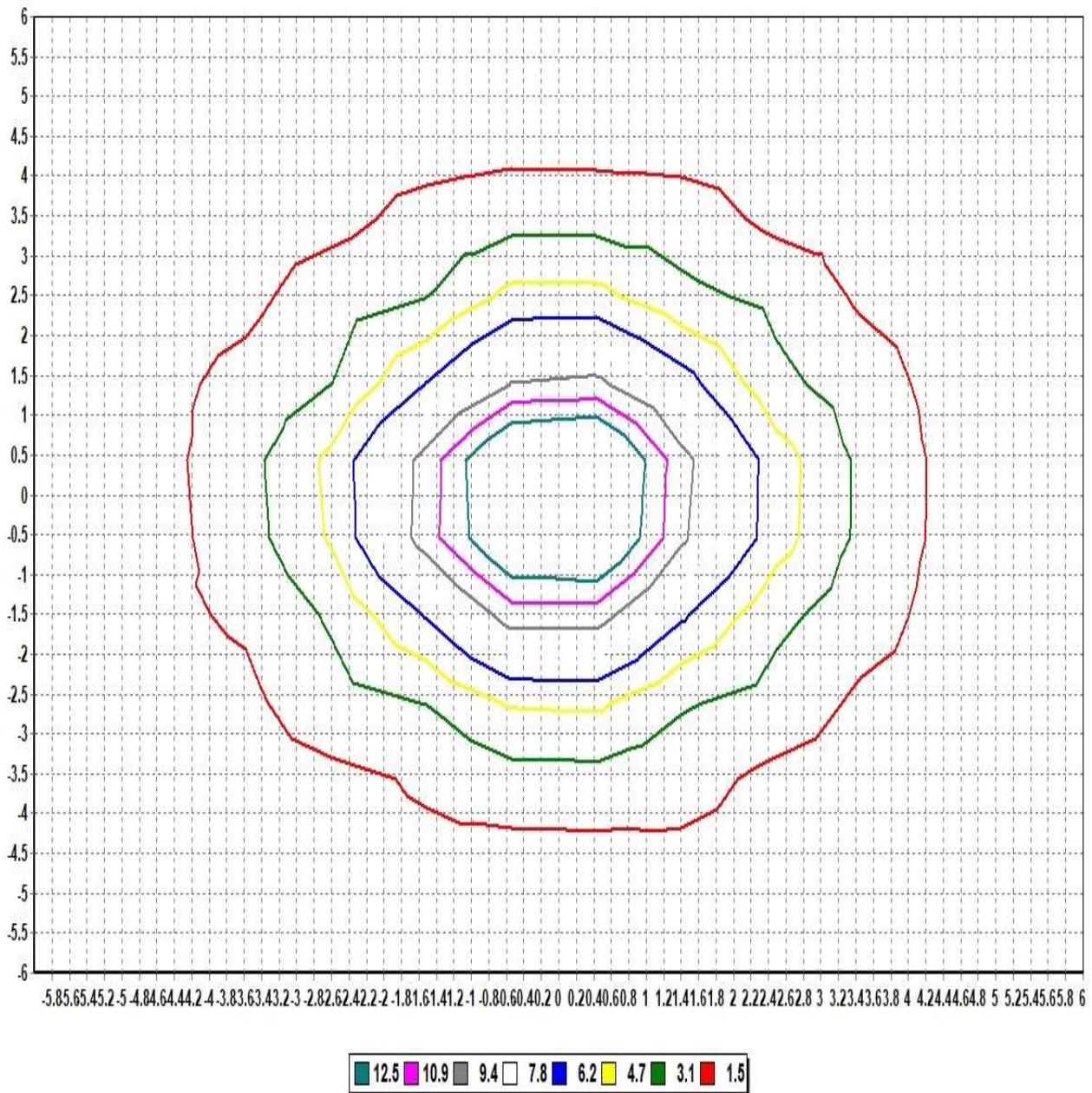
Operator

Total flux (lm) 403

Power Factor 0.9727

Date 2023-09-20 오후 1:49:42

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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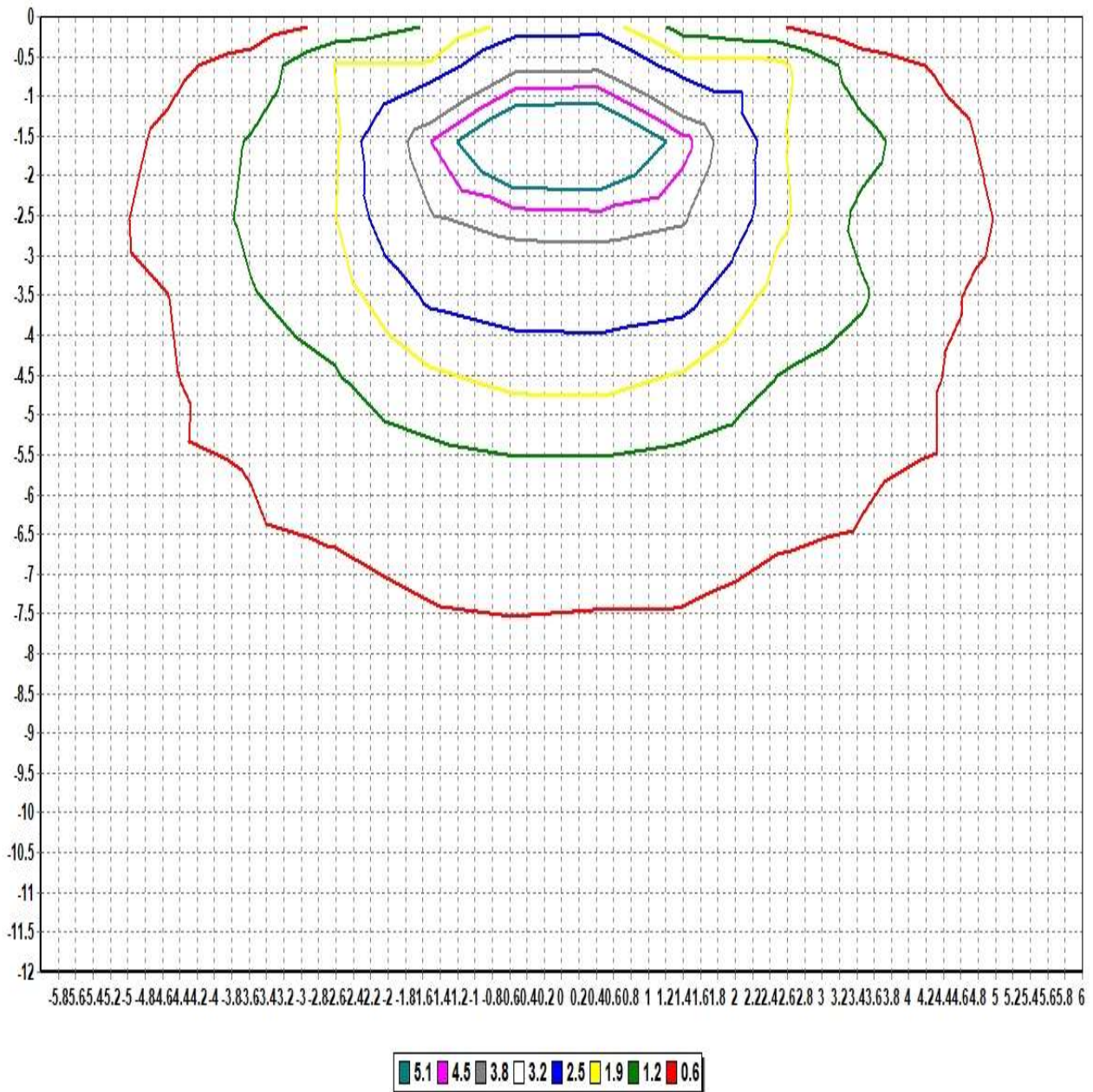
Operator

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Date 2023-09-20 오후 1:49:42

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)	120.24
Lamp flux (lm)	403	Current (A)	0.04421
Total flux (lm)	403	Power Factor	0.9727

Report

KH FEELUX

Filename 230920 NDF5 35K-120V-C90-F.F.jdt

Operator

Date 2023-09-20 오후 1:49:42

Illuminance Levels (Ground)

6.00	0.17	0.23	0.17	0.25	0.30	0.36	0.34	0.34	0.36	0.30	0.21	0.25	0.21
5.00	0.25	0.20	0.28	0.38	0.78	0.92	0.94	0.91	0.84	0.44	0.33	0.26	0.28
4.00	0.22	0.33	0.66	0.95	1.01	1.28	1.33	1.27	1.12	1.01	0.75	0.38	0.26
3.00	0.26	0.46	1.01	1.16	2.35	2.62	2.90	2.78	2.45	1.34	1.09	0.52	0.31
2.00	0.33	0.80	1.03	2.45	3.38	5.45	6.45	5.69	3.70	2.60	1.14	0.86	0.38
1.00	0.44	1.03	1.44	2.69	5.48	9.98	13.78	10.33	5.73	2.87	1.49	1.04	0.46
0.00	0.49	1.13	1.65	3.40	7.11	14.22	17.53	14.13	6.99	3.30	1.61	1.09	0.48
-1.00	0.42	1.00	1.43	3.00	5.97	10.58	13.91	10.27	5.76	2.89	1.49	1.04	0.46
-2.00	0.41	0.90	1.20	2.66	3.84	5.95	6.79	5.73	3.62	2.61	1.15	0.87	0.38
-3.00	0.33	0.53	1.12	1.39	2.58	2.93	3.14	2.82	2.51	1.29	1.10	0.53	0.30
-4.00	0.26	0.39	0.78	1.08	1.19	1.40	1.49	1.40	1.13	1.04	0.73	0.38	0.26
-5.00	0.29	0.28	0.37	0.49	0.89	0.99	1.03	0.99	0.85	0.45	0.33	0.24	0.28
-6.00	0.22	0.27	0.24	0.33	0.39	0.40	0.41	0.42	0.36	0.30	0.21	0.26	0.20
-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.) : 17.529

Illum. (Min.) : 0.1723

Illum. (Avg.) : 2.0248

All illuminance level values are in lux.



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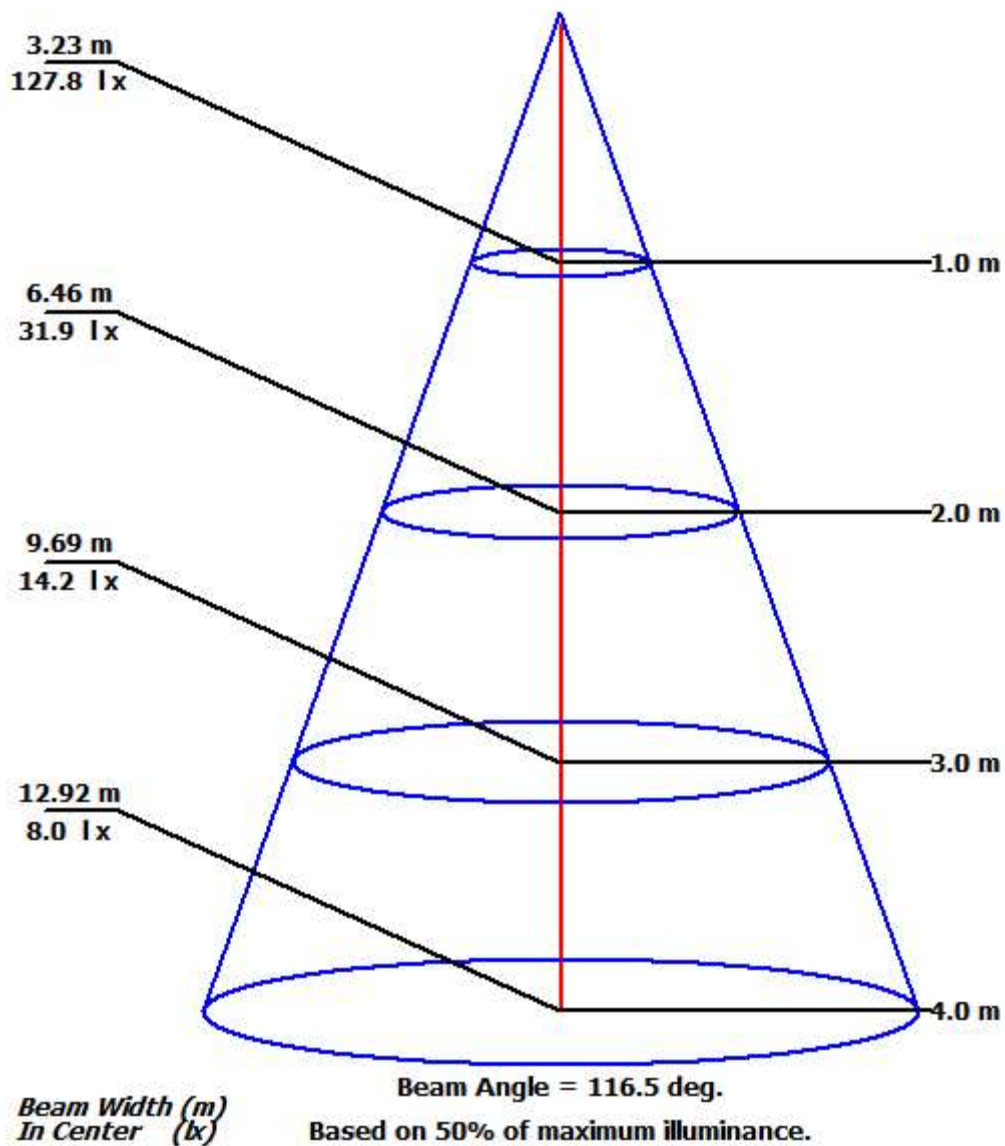
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Illuminance Cone Diagram



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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