

TEST REPORT

1. Applicant

* Client Name : FEELUX Co. Ltd.
* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
* Date of Receipt : 191213

2. Purpose of Report :**3. Number of Report :** 191216**4. Test Standard / Item :** / 191216 NDP1 27K-24V-C90 SF1906 VER 3.3e**5. Test Period :** 191213 ~ 191213**6. Test Environment**

* Ambient Temp. : 23.0 +- 3 °C
* Relative Humidity : 45.0 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* Rating :
* Model : FEELUX

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	CGR	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
191216	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4622 , 0.4115	
Correlated Color Temperature	K	2690	
Ra		92.33	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.050	
Input Watt	W	1.2	
Lamp Flux	lm	78.8	
Efficient	lm/W	65.67	
luminous Intensity (Max , Center)	cd	26 , 25	
Illuminance	lx	25	1 m
		6	2 m
		3	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191216

No. of lamps 1

Voltage (V) Filename 191216 NDP1 27K-24V-C90 SF1906 VER 3.3e.jdt

Lamp flux (lm) 79

Current (A) Operator

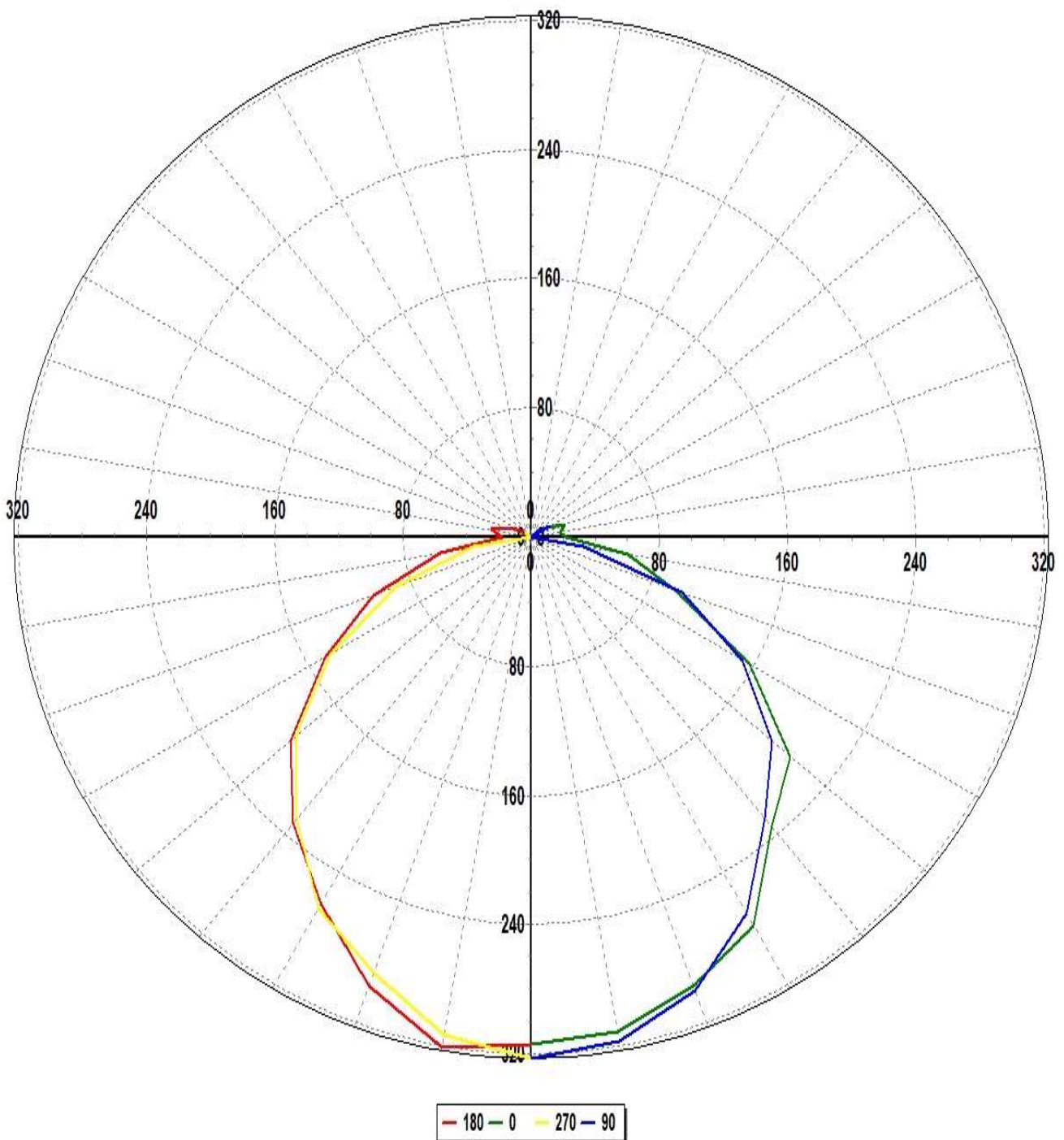
CGR

Total flux (lm) 79

Power Factor Date 1

2019-12-16 오후 2:13:28

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 79

Total flux (lm) 79

Voltage (V)

Current (A)

Power Factor

Report

Filename 191216 NDP1 27K-24V-C90 SF1906 VER 3.3e.jdt

Operator

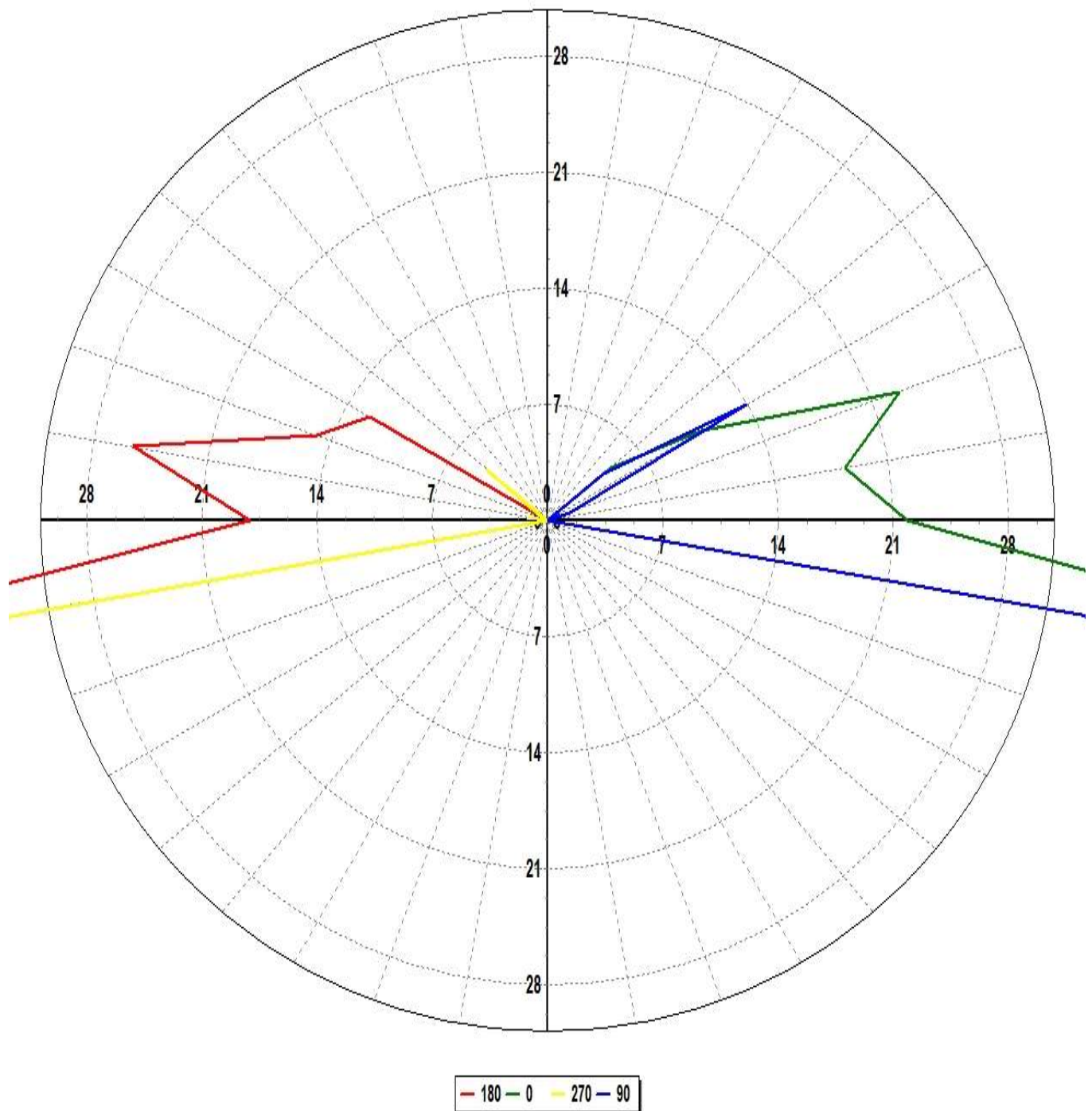
Date 1

191216

CGR

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp			Report	191216
No. of lamps	1	Voltage (V)	Filename 191216 NDP1 27K-24V-C90 SF1906 VER 3.3e.jdt	
Lamp flux (lm)	79	Current (A)	Operator	CGR
Total flux (lm)	79	Power Factor	Date 1	2019-12-16 오후 2:13:28

Luminous Intensity Data

Maximum (cd) : 26

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	24.73	25.78	25.85	25.43	25.5	24.92	24.73	25.78	25.85	25.43	25.5	24.92	24.73
10	24.52	24.41	24.57	24.96	24.92	24.82	25.31	24.64	24.67	24.66	24.38	25.2	24.52
20	23.27	23.49	23.37	23.53	23.39	23.33	23.26	23.03	22.82	22.6	24.19	23.68	23.27
30	21.85	21.43	21.92	21.15	21.13	21.4	20.63	20.85	20.94	20.91	21.06	21.59	21.85
40	18.44	18.77	19.03	17.89	19.07	18.37	18.23	18.44	19.07	17.93	18.74	19.54	18.44
50	16.64	15.77	15.77	15.46	15.64	15.04	15.43	15.5	14.64	15.13	15.37	15.37	16.64
60	12.37	12.19	12.5	11.99	12.13	11.58	11.67	11.56	10.94	11.39	12.11	12.69	12.37
70	7.58	8.18	7.88	7.87	7.66	7.3	8.25	6.98	6.46	7.03	7.14	8.79	7.58
80	4.82	4.07	3.31	2.6	4.02	3.26	4.55	3.72	3.08	2.86	3.03	4.23	4.82
90	1.72	1.53	0.86	-0.12	0.62	1.37	1.43	1.11	1.48	-0.06	1.06	1.36	1.72
100	1.45	1.84	1.01	-0.02	1.03	1.67	2.01	0.83	0.21	0.1	0.28	1.44	1.45
110	1.79	1.3	0.7	0.11	0.46	1.45	1.17	1.61	0.86	-0.18	1.15	1.37	1.79
120	0.85	0.82	0.32	1.1	0.3	0.16	0.98	1.14	0.51	0.04	0.37	0.94	0.85
130	0.39	0.56	0.7	0.35	0.19	0.04	-0.07	0.61	0.72	0.38	0.66	0.91	0.39



Luminaire

Lamp			Report	191216
No. of lamps	1	Voltage (V)	Filename	191216 NDP1 27K-24V-C90 SF1906 VER 3.3e.jdt
Lamp flux (lm)	79	Current (A)	Operator	CGR
Total flux (lm)	79	Power Factor	Date	1 2019-12-16 오후 2:13:28

Luminous Flux Table

Total Lamp Lumens:	78.8
Luminaire Efficiency (lm/W):	78.82
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.61	0.61	0.77	0.77
10	4.71	5.31	6.74	6.74
20	8.74	14.05	17.83	17.83
30	11.63	25.68	32.59	32.59
40	13.11	38.80	49.23	49.22
50	12.99	51.78	65.72	65.70
60	11.31	63.10	80.07	80.05
70	7.82	70.91	89.99	89.96
80	3.91	74.82	94.95	94.93
90	1.13	75.95	96.38	96.36
100	1.06	77.02	97.73	97.71
110	1.01	78.03	99.02	98.99
120	0.60	78.62	99.78	99.75
130	0.20	78.82	100.03	100.00

Luminaire

Lamp

Report

191216

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Voltage (V) Filename 191216 NDP1 27K-24V-C90 SF1906 VER 3.3e.jdt

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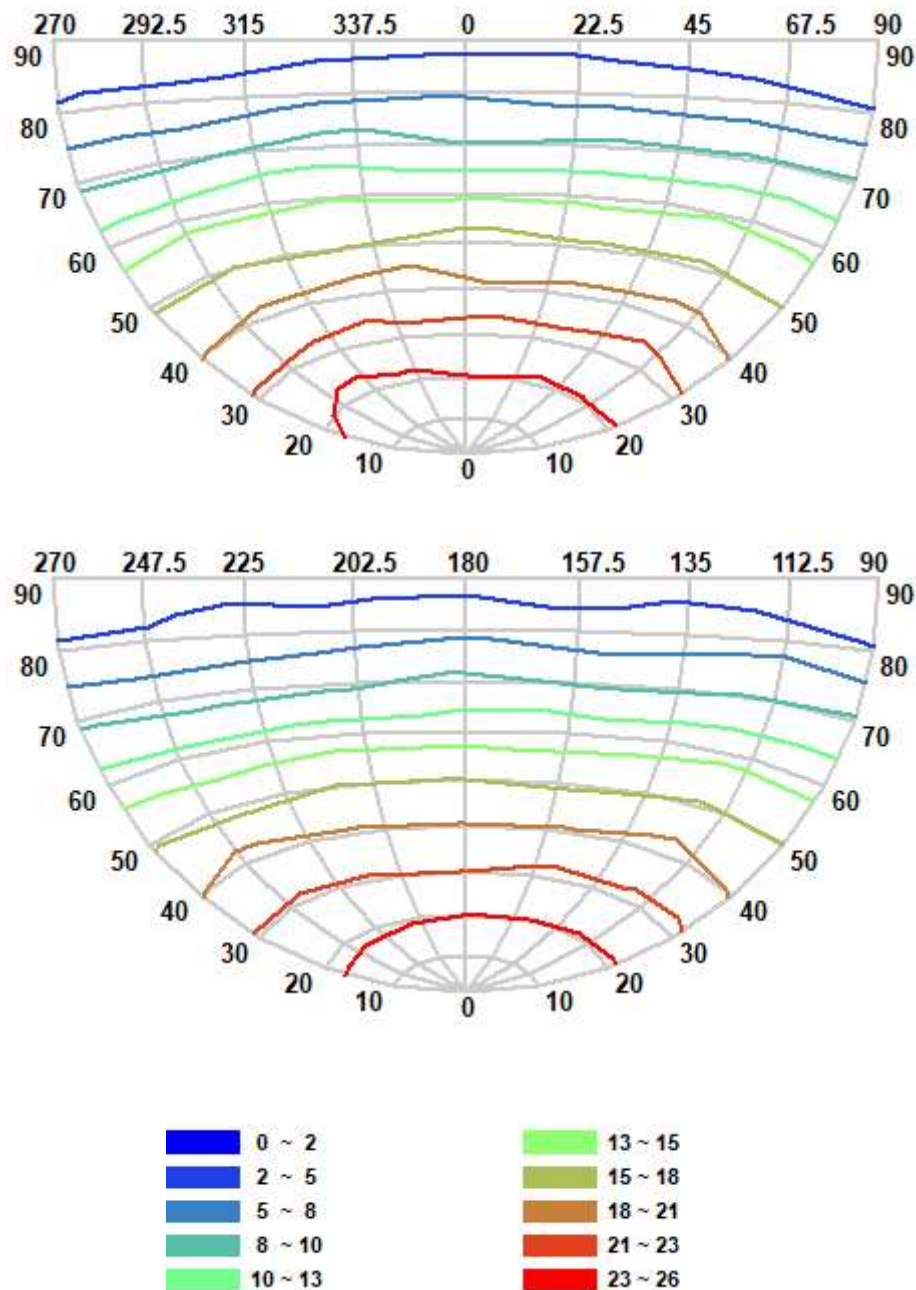
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Power Factor Date 1

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IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 79

Total flux (lm) 79

Voltage (V)

Current (A)

Power Factor

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Operator

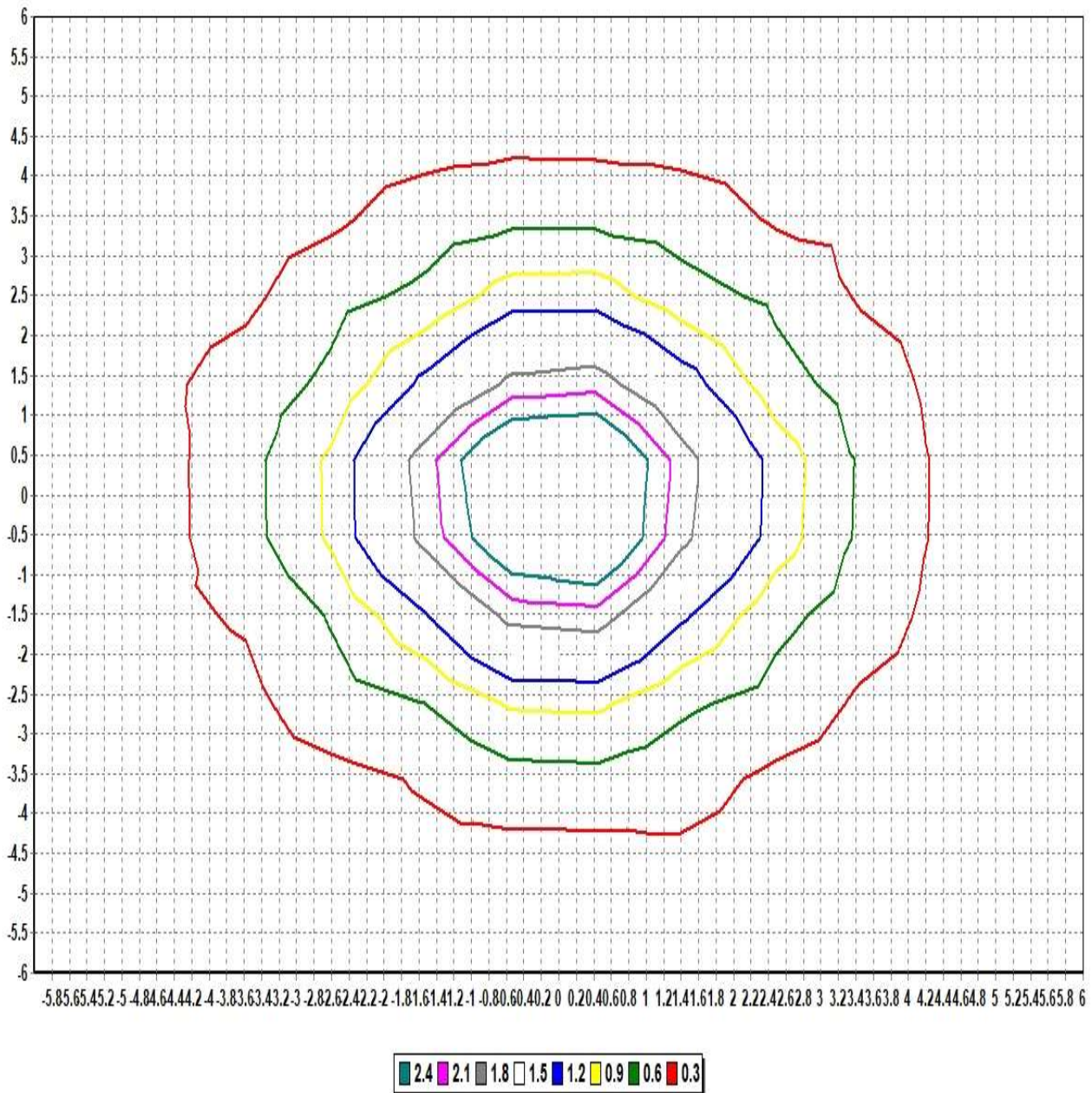
Date 1

191216

CGR

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

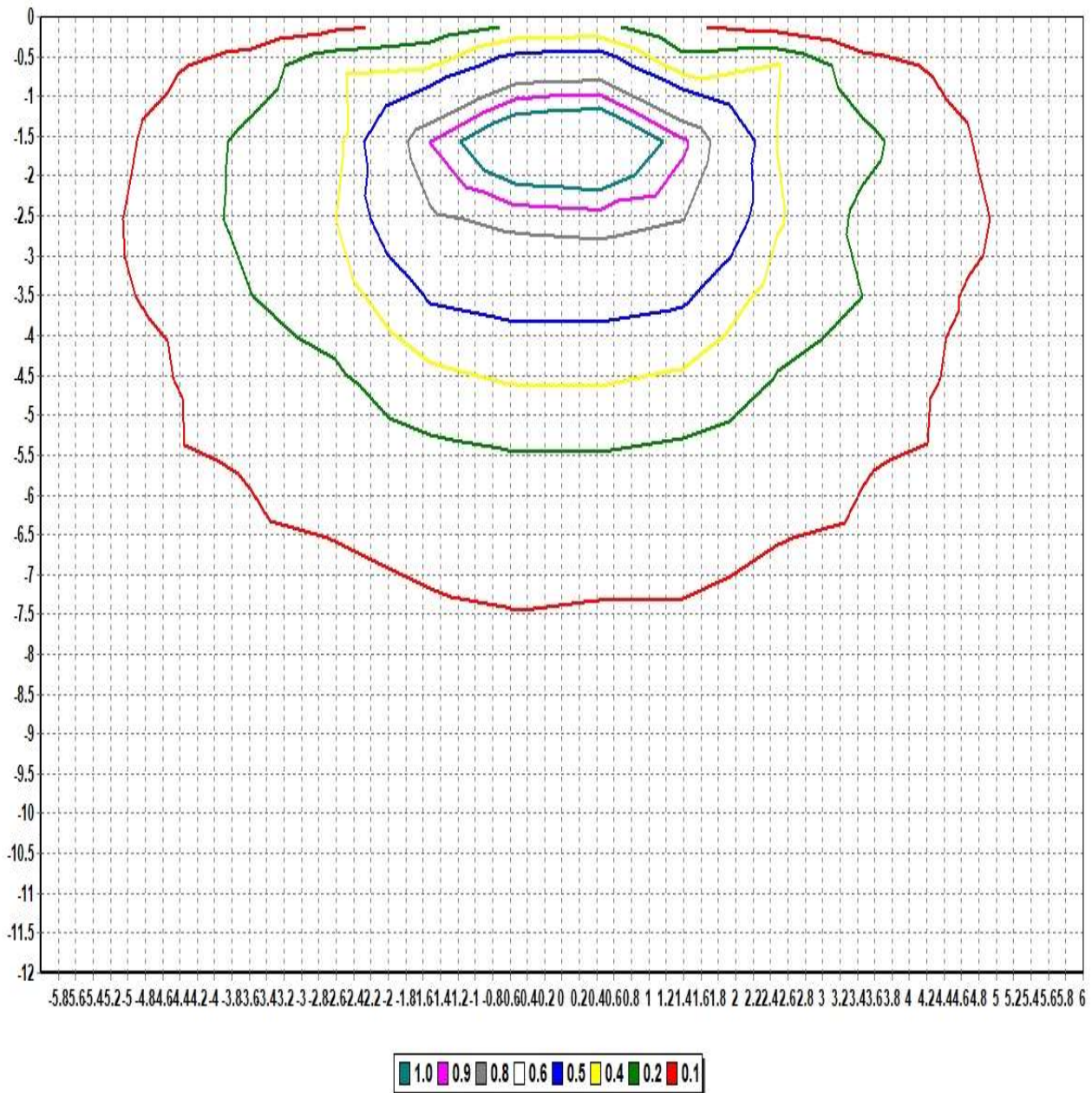
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Operator CGR
Date 1 2019-12-16 오후 2:13:28

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

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	79	Current (A)	0.05
Total flux (lm)	79	Power Factor	1

Report

191216

Filename 191216 NDP1 27K-24V-C90 SF1906 VER 3.3e.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

6.00	0.04	0.06	0.05	0.06	0.08	0.09	0.09	0.09	0.08	0.06	0.05	0.06	0.04
5.00	0.05	0.05	0.07	0.10	0.18	0.21	0.22	0.21	0.18	0.10	0.07	0.05	0.06
4.00	0.04	0.07	0.15	0.22	0.24	0.30	0.32	0.30	0.24	0.22	0.16	0.07	0.05
3.00	0.06	0.10	0.21	0.27	0.51	0.59	0.65	0.60	0.53	0.28	0.23	0.10	0.06
2.00	0.07	0.18	0.24	0.51	0.75	1.19	1.35	1.18	0.77	0.53	0.24	0.18	0.08
1.00	0.09	0.20	0.29	0.58	1.19	2.07	2.82	2.10	1.18	0.61	0.31	0.21	0.09
0.00	0.09	0.22	0.32	0.66	1.36	2.86	3.39	2.77	1.40	0.70	0.34	0.23	0.09
-1.00	0.08	0.20	0.29	0.59	1.16	2.03	2.78	2.06	1.19	0.58	0.31	0.22	0.09
-2.00	0.07	0.17	0.23	0.51	0.75	1.17	1.35	1.17	0.74	0.54	0.24	0.18	0.08
-3.00	0.06	0.10	0.22	0.27	0.52	0.58	0.64	0.58	0.51	0.27	0.22	0.11	0.06
-4.00	0.05	0.07	0.15	0.21	0.23	0.28	0.31	0.28	0.23	0.21	0.15	0.08	0.05
-5.00	0.05	0.05	0.06	0.09	0.17	0.20	0.21	0.20	0.17	0.09	0.07	0.05	0.06
-6.00	0.04	0.05	0.04	0.06	0.07	0.08	0.08	0.08	0.07	0.06	0.04	0.05	0.04
-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.) : 3.39

Illum. (Min.) : 0.04

Illum. (Avg.) : 0.41

All illuminance level values are in lux.



Luminaire

Lamp

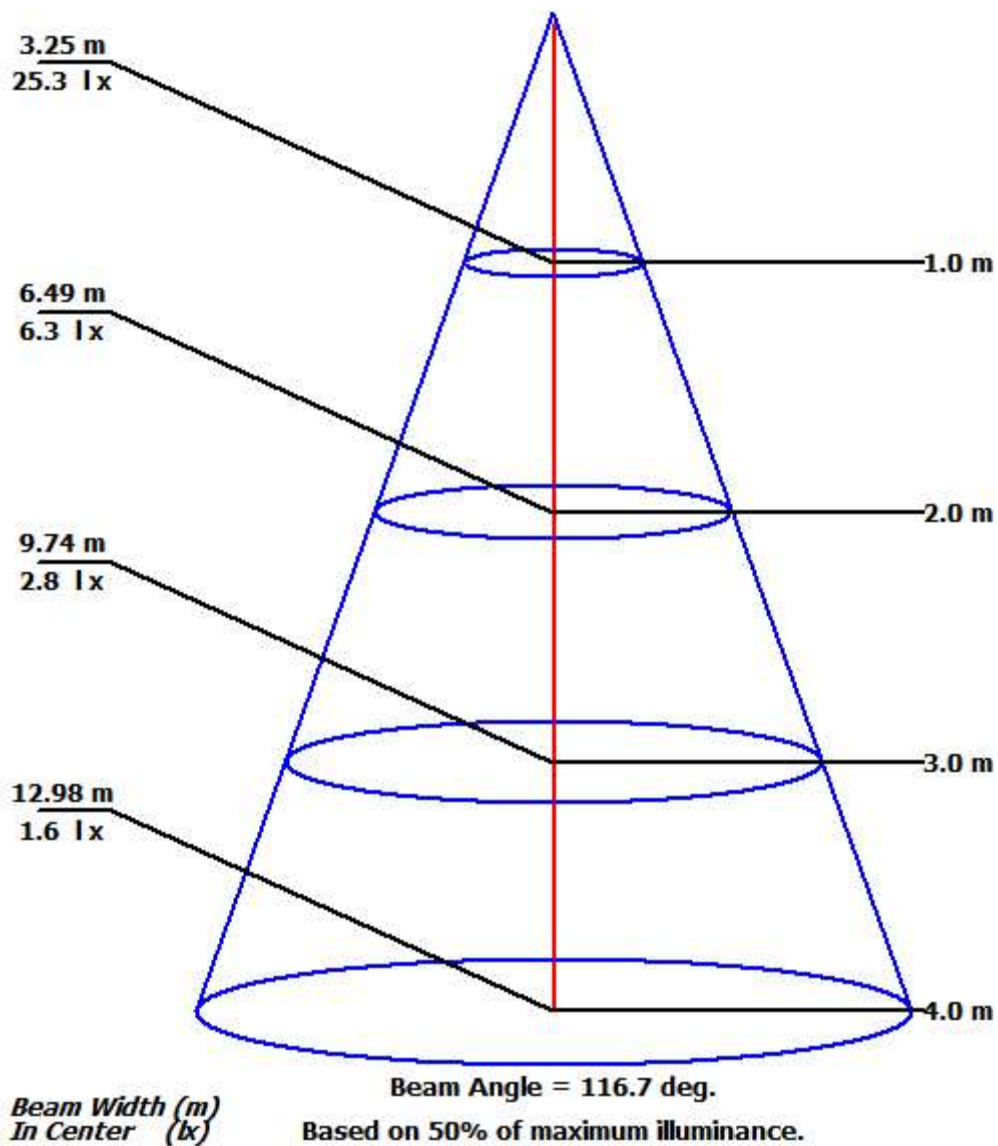
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Illuminance Cone Diagram





Luminaire

Lamp

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Total flux (lm)	79	Power Factor	1

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CGR

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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