

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 : 190419

2. Purpose of Report :

3. Test Standard / Item : LED / 190419 FN1 60K

4. Test Period : 190419 ~ 190419

5. Test Environment

Ambient Temp. : (0 +- 3) °C

Relative Humidity : (0 +- 10) % RH

6. Test Result : Refer to the attachment

Test Item

Name of Product :

FEELUX

Model / Rating :

Model : FEELUX

Rating :

Confirmation	Test by CGR	Technical manager CGR
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The result shown in this test report refer only to the sample(s) tested unless otherwise stated.

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This report is for reference only. It cannot replace the report by standard organization(s).

TEST RESULT

Report Number	Sample Name	Sample Number	Test Standard
190419	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3256, 0.3440	
Correlated Color Temperature	K	5799	
Ra	-	80.84	
Power Factor	%	1.000	
Input Voltage	V	23.940	
Input Current	A	0.527	
Input Watt	W	12.61	
Lamp Flux	lm	419.4	
Efficient	lm/W	33.24	
Illuminance	lx	118	1 m
		30	2 m
		13	3 m

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

Sample photo

Click to load image

Luminaire

Lamp

Report

190419

No. of lamps 1

Filename: C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190419 FN1 60K.jdt

Lamp flux (lm) 419

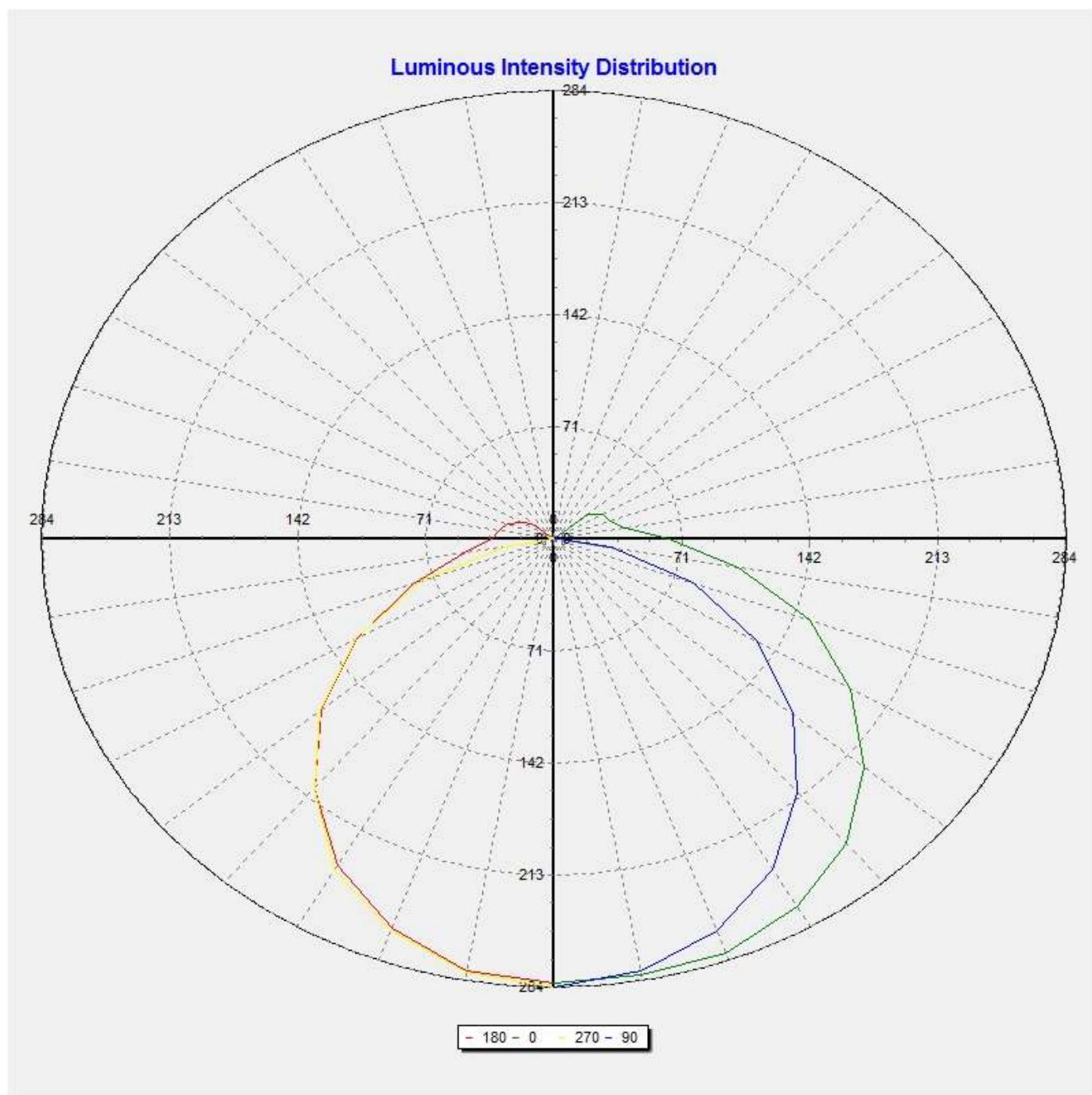
Operatont (A) 0.527

CGR

Total flux (lm) 419

Date: wer Factor 1

2019-04-19 오후 4:37:37



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

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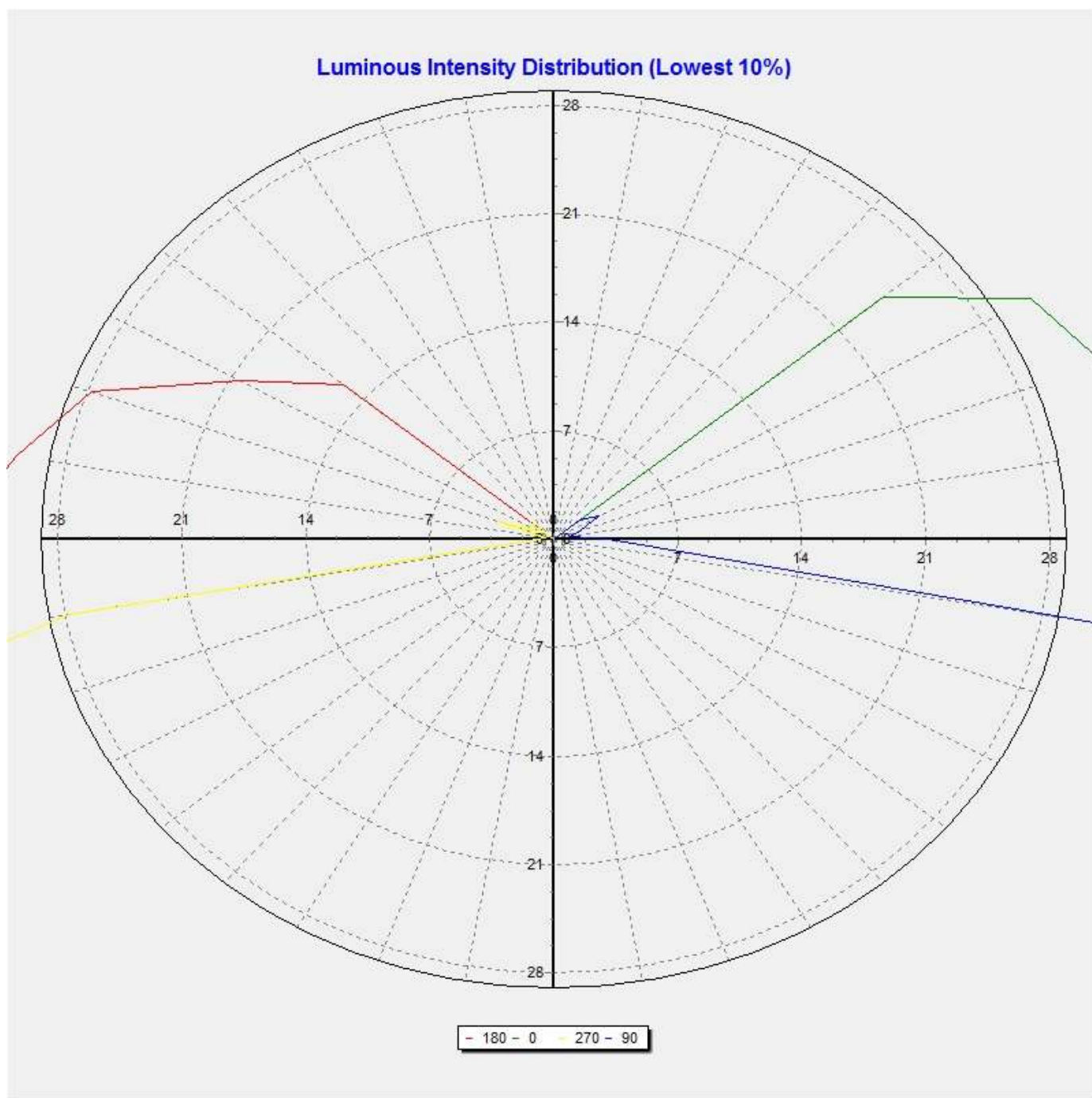
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Total flux (lm)	419	Date	2019-04-19 오후 4:37:37
		Power Factor	1

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	118.02	119.24	118.82	119.16	119.59	119.01	118.02	119.24	118.82	119.16	119.59	119.01	118.02
10	117.82	118.79	117.44	116.59	117.08	116.53	116.40	116.82	115.54	116.81	116.95	118.22	117.82
20	117.06	115.14	112.44	110.99	111.57	111.01	110.00	109.54	110.49	110.77	112.53	114.87	117.06
30	112.86	110.37	104.80	101.45	100.87	101.06	100.20	100.41	100.23	101.81	104.37	110.21	112.86
40	105.80	102.21	94.69	87.98	88.83	89.04	86.62	87.25	87.16	86.71	93.76	101.33	105.80
50	94.28	90.25	81.53	72.44	73.34	73.51	70.55	71.40	71.44	71.12	80.71	89.17	94.28
60	79.75	75.77	65.06	54.79	54.61	55.47	52.86	53.34	52.61	53.14	63.74	74.30	79.75
70	63.14	58.25	46.15	34.43	34.48	35.62	34.69	34.59	32.31	32.30	45.01	56.08	63.14
80	43.69	38.92	26.87	13.56	16.52	20.66	20.82	19.68	14.04	11.62	24.38	36.80	43.69
90	26.78	21.75	11.65	1.31	7.63	13.45	14.32	12.66	6.64	0.39	10.10	20.57	26.78
100	16.68	14.00	7.69	0.40	6.37	11.35	12.90	10.10	5.87	0.20	7.26	13.12	16.68
110	13.89	12.78	6.69	0.66	5.22	10.54	11.64	9.69	3.17	1.41	3.76	12.94	13.89
120	13.03	10.45	1.12	1.23	1.38	7.16	8.56	6.77	0.27	0.43	0.95	8.68	13.03
130	10.19	4.61	3.29	0.81	1.67	0.82	6.50	0.92	0.66	0.70	3.14	0.84	10.19

Luminaire

Lamp		Report	190419
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190419 FN1 60K.jdt
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Total flux (lm)	419	Date	2019-04-19 오후 4:37:37
		Power Factor	1
			CGR

Luminous Flux Table

Total Lamp Lumens: 419
 Luminaire Efficiency (lm/W):419.36
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.84	2.84	0.68	0.68
10	22.27	25.11	5.99	5.99
20	42.03	67.14	16.01	16.01
30	56.98	124.12	29.60	29.60
40	65.20	189.32	45.14	45.15
50	65.70	255.03	60.81	60.81
60	58.13	313.16	74.67	74.68
70	43.49	356.65	85.04	85.05
80	25.85	382.49	91.20	91.21
90	13.44	395.93	94.40	94.41
100	9.52	405.45	96.67	96.68
110	7.92	413.37	98.56	98.57
120	4.74	418.12	99.69	99.70
130	1.24	419.36	99.99	100.00

Luminaire

Lamp

Report

190419

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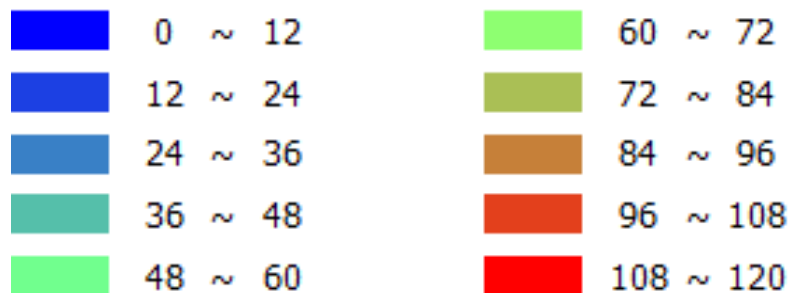
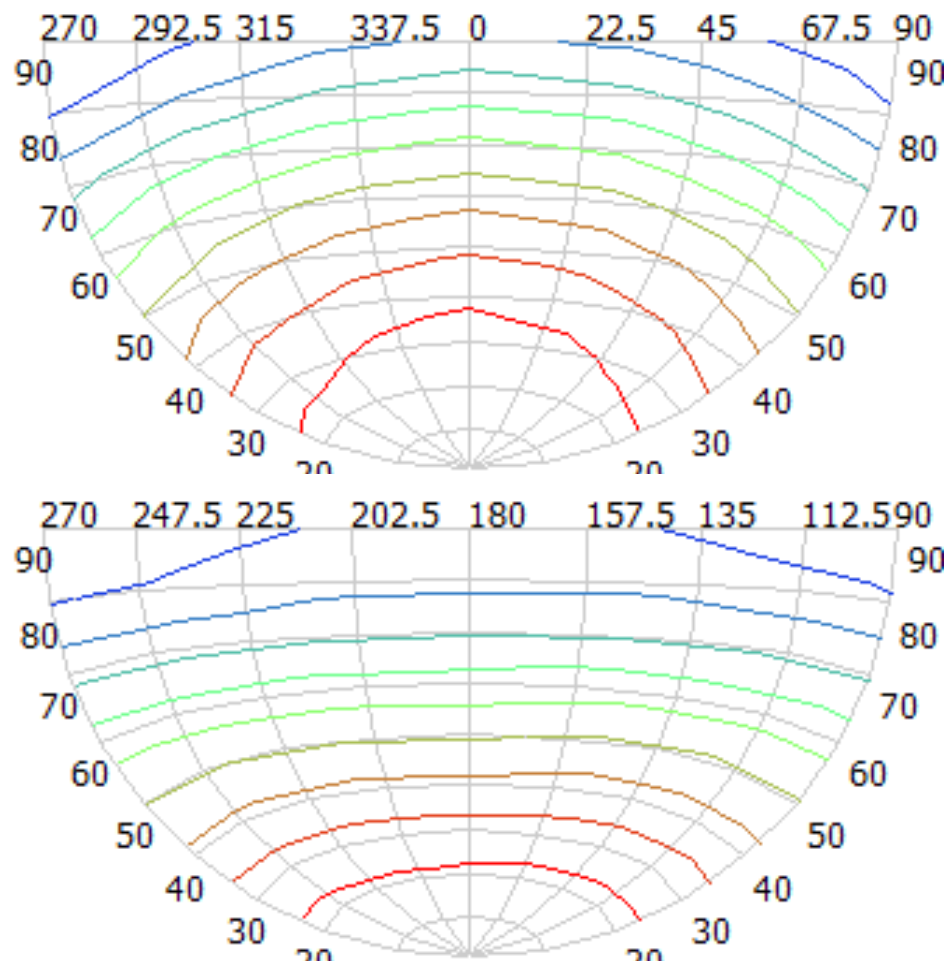
CGR

Total flux (lm) 419

Date: Power Factor 1

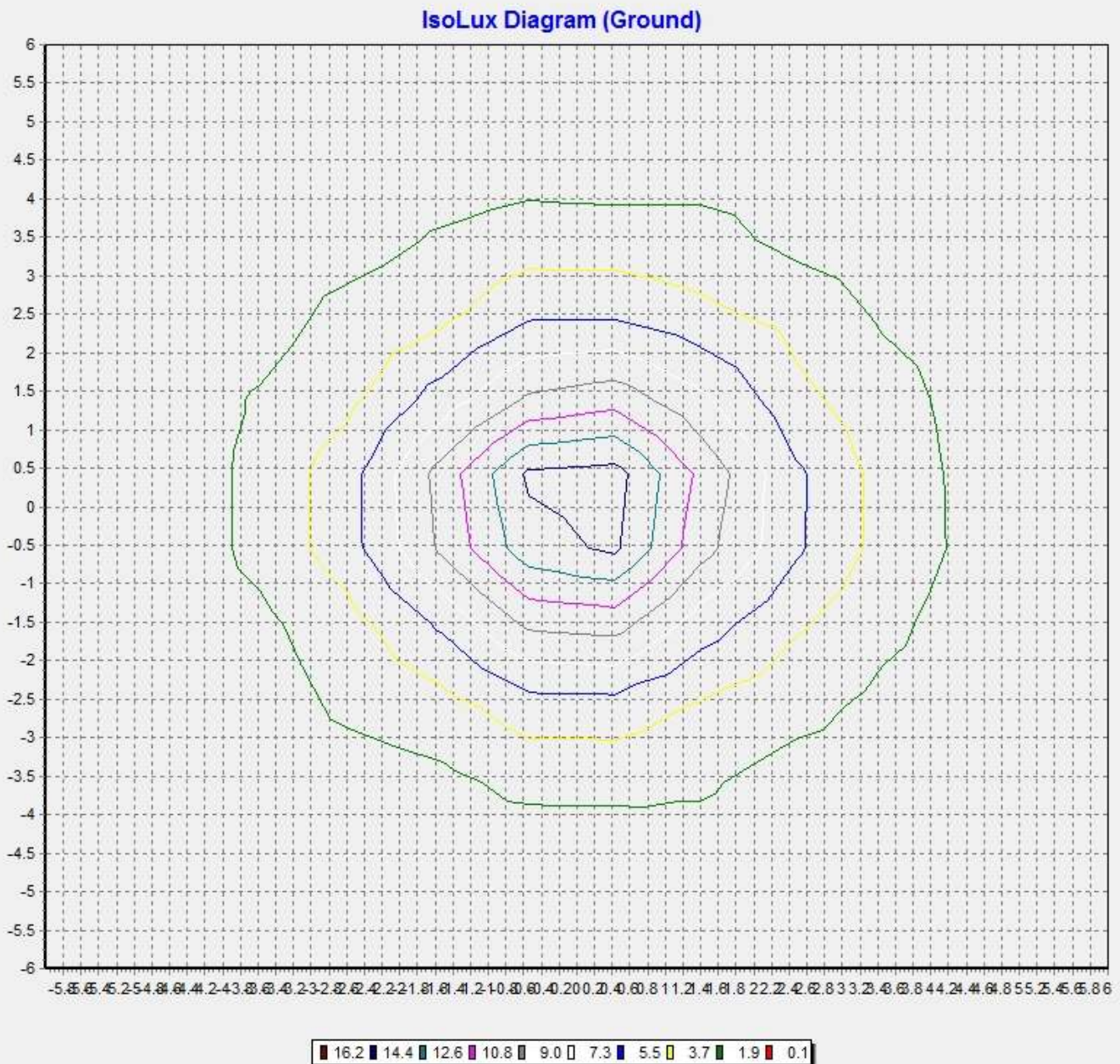
2019-04-19 오후 4:37:37

IsoCandela (Type C)



Luminaire

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		ower Factor	1



Pole Height (m): 2.7

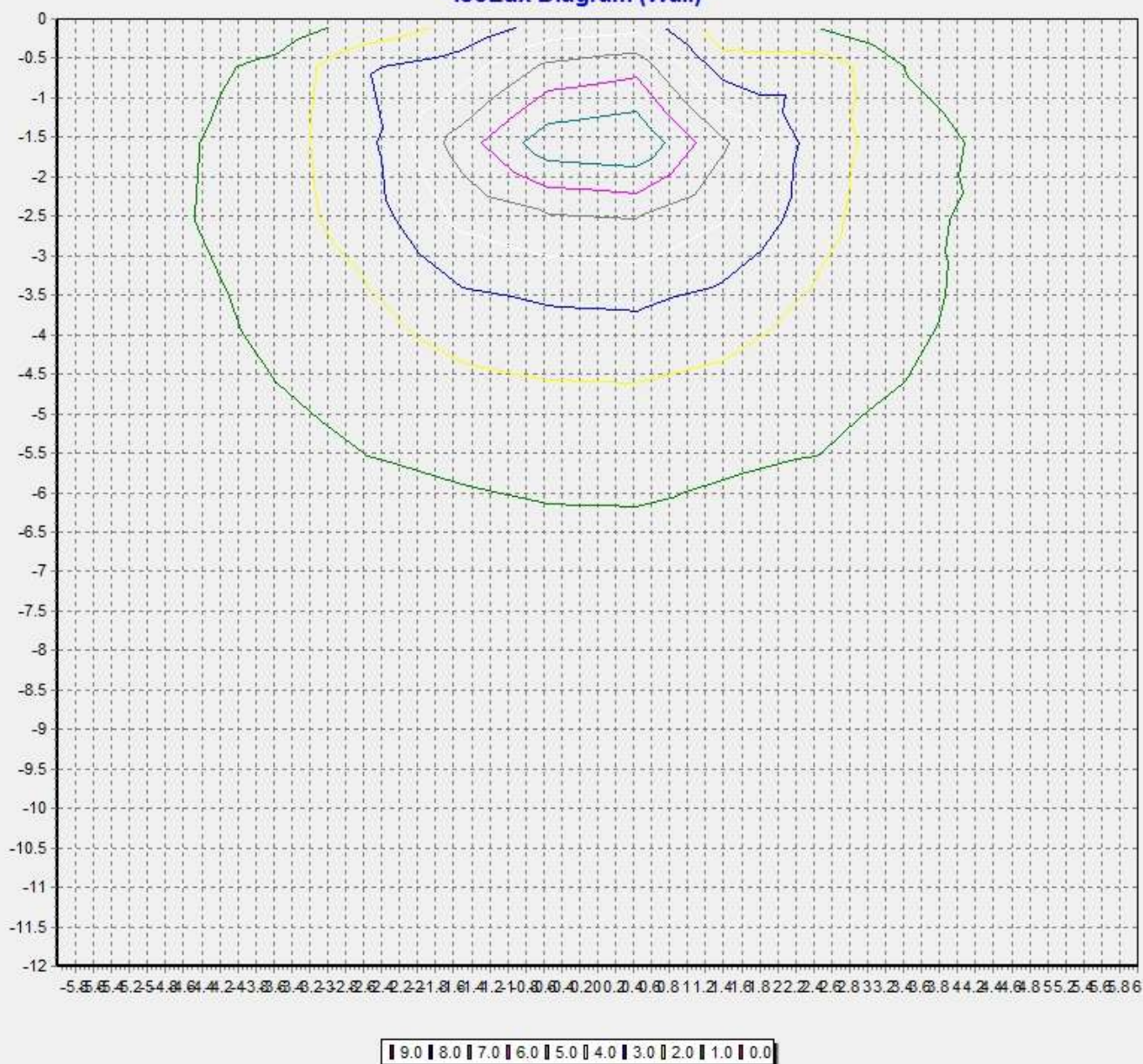
Area Width (m): 12

Luminaire

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CGR

IsoLux Diagram (Wall)



Pole Height (m): 2.7 Wall Distance (m): 2.7
Aiming Plane: 0 Wall Height (m): 12

Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.94
Lamp flux (lm)	419	Current (A)	0.527
Total flux (lm)	419	Power Factor	1

Report

190419

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190419 FN1 60K.jdt

Operator

CGR

Date

2019-04-19 오후 4:37:37

Illuminance Levels (Ground)

6.00	0.19	0.25	0.21	0.27	0.34	0.46	0.41	0.42	0.49	0.43	0.29	0.32	0.28
5.00	0.26	0.23	0.32	0.45	0.83	1.05	1.02	1.02	1.02	0.57	0.44	0.39	0.37
4.00	0.22	0.33	0.71	1.03	1.07	1.48	1.49	1.47	1.44	1.19	0.94	0.54	0.38
3.00	0.27	0.46	1.04	1.26	2.46	2.77	3.10	3.29	2.70	1.73	1.34	0.72	0.44
2.00	0.34	0.83	1.08	2.48	3.55	5.59	6.59	6.37	4.36	3.00	1.47	1.07	0.54
1.00	0.39	0.95	1.35	2.79	5.60	9.87	13.17	10.74	6.45	3.47	1.84	1.24	0.60
0.00	0.40	1.00	1.44	3.03	6.50	13.14	16.19	13.32	7.70	3.97	2.06	1.35	0.67
-1.00	0.39	0.96	1.35	2.70	5.49	9.78	13.19	10.02	5.95	3.18	1.85	1.25	0.62
-2.00	0.34	0.80	1.05	2.41	3.47	5.50	6.54	5.85	3.67	2.85	1.27	0.96	0.46
-3.00	0.27	0.44	1.00	1.22	2.43	2.71	3.05	2.92	2.44	1.33	1.25	0.66	0.36
-4.00	0.21	0.32	0.69	1.01	1.05	1.33	1.45	1.33	1.22	1.04	0.75	0.47	0.33
-5.00	0.25	0.23	0.31	0.43	0.81	0.95	1.00	0.95	0.89	0.44	0.34	0.25	0.33
-6.00	0.19	0.24	0.20	0.27	0.33	0.37	0.39	0.37	0.38	0.34	0.21	0.26	0.21
-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.): 16.2

All illuminance level values are in lux.

Illum. (Min.): 0.19

Illum. Avg.: 2.05

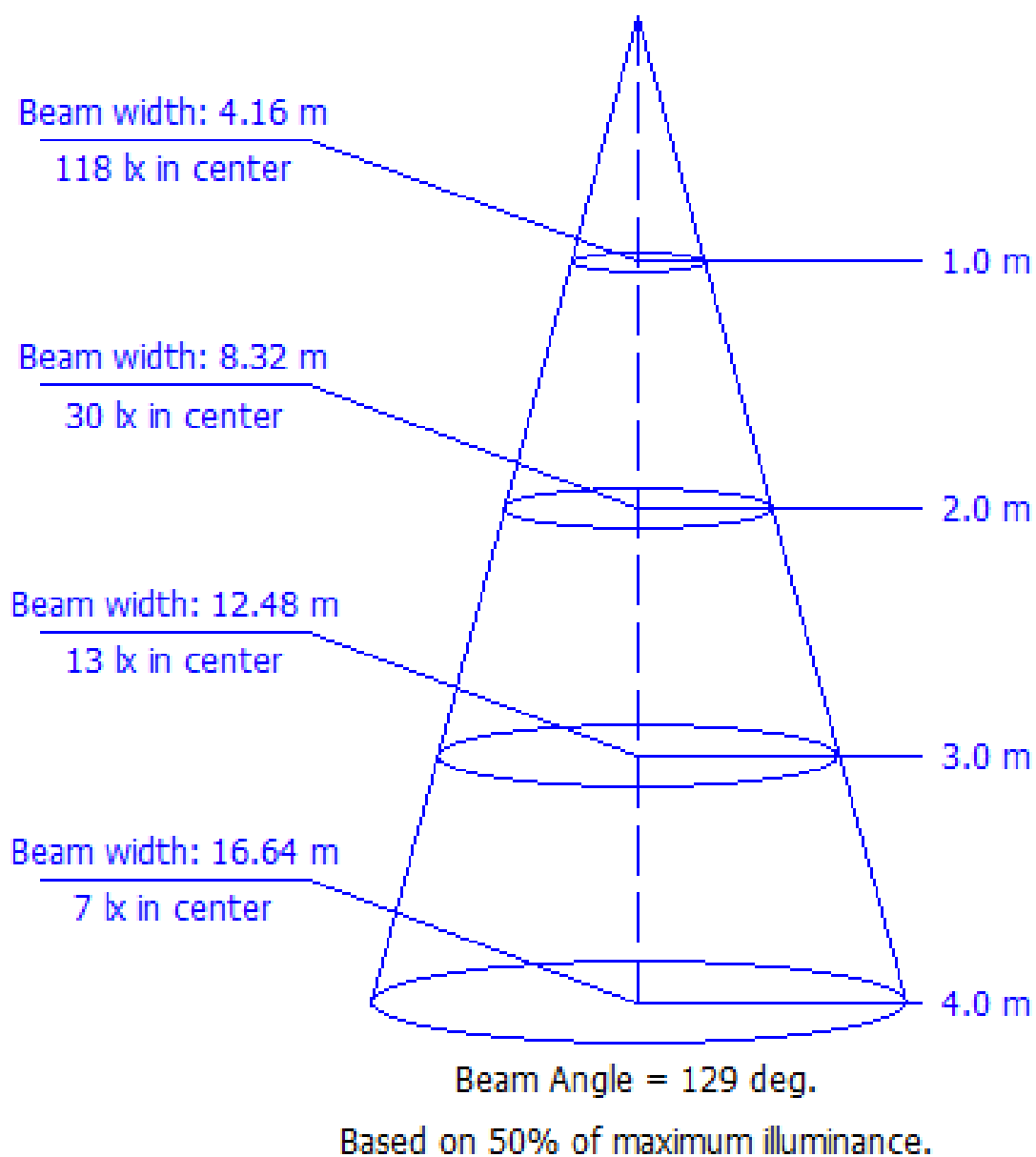
Total Optical Solution Provider


<http://www.jnctech.co.kr>
J & C Technology Co., Ltd.

Luminaire

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Illuminance Cone Diagram



Luminaire

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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