

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 : 190409

2. Purpose of Report :

3. Test Standard / Item : LED / 190409 FN2 30K-24V-C90

4. Test Period : 190409 ~ 190409

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 JSY	Technical manager JSY
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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
190409	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.4213, 0.3947	
Correlated Color Temperature	K	3220	
Ra	-	94	
Power Factor	%	1.000	
Input Voltage	V	23.940	
Input Current	A	0.489	
Input Watt	W	11.71	
Lamp Flux	lm	791.7	
Efficient	lm/W	67.63	
Illuminance	lx	226	1 m
		57	2 m
		25	3 m

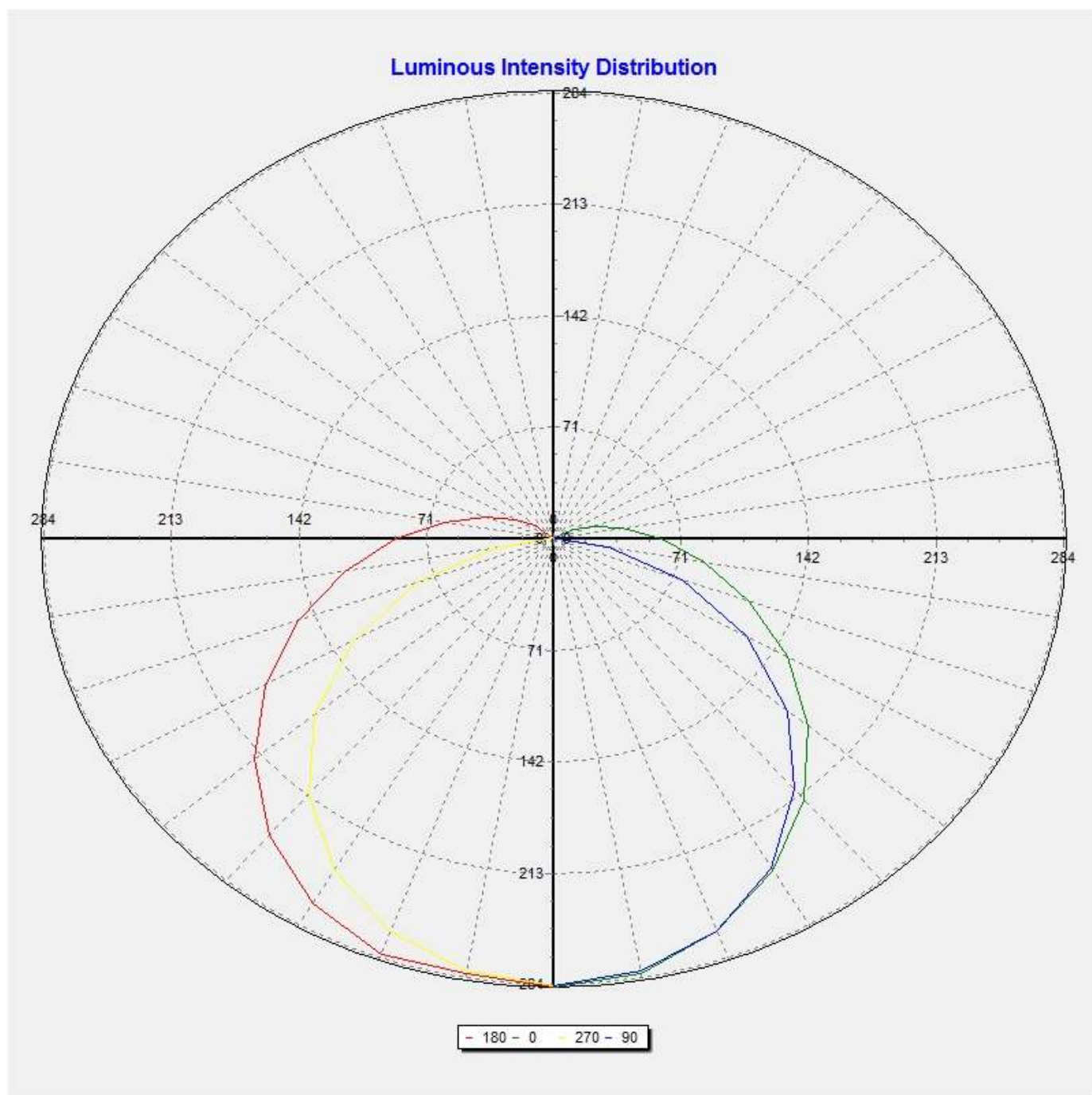
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

Lamp		Report			190409
No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190409 FN2 30K-24V-C90.jdt		
Lamp flux (lm)	792	Operator	Current (A)	0.489	CGR
Total flux (lm)	792	Date	Power Factor	1	2019-04-09 오전 10:14:29

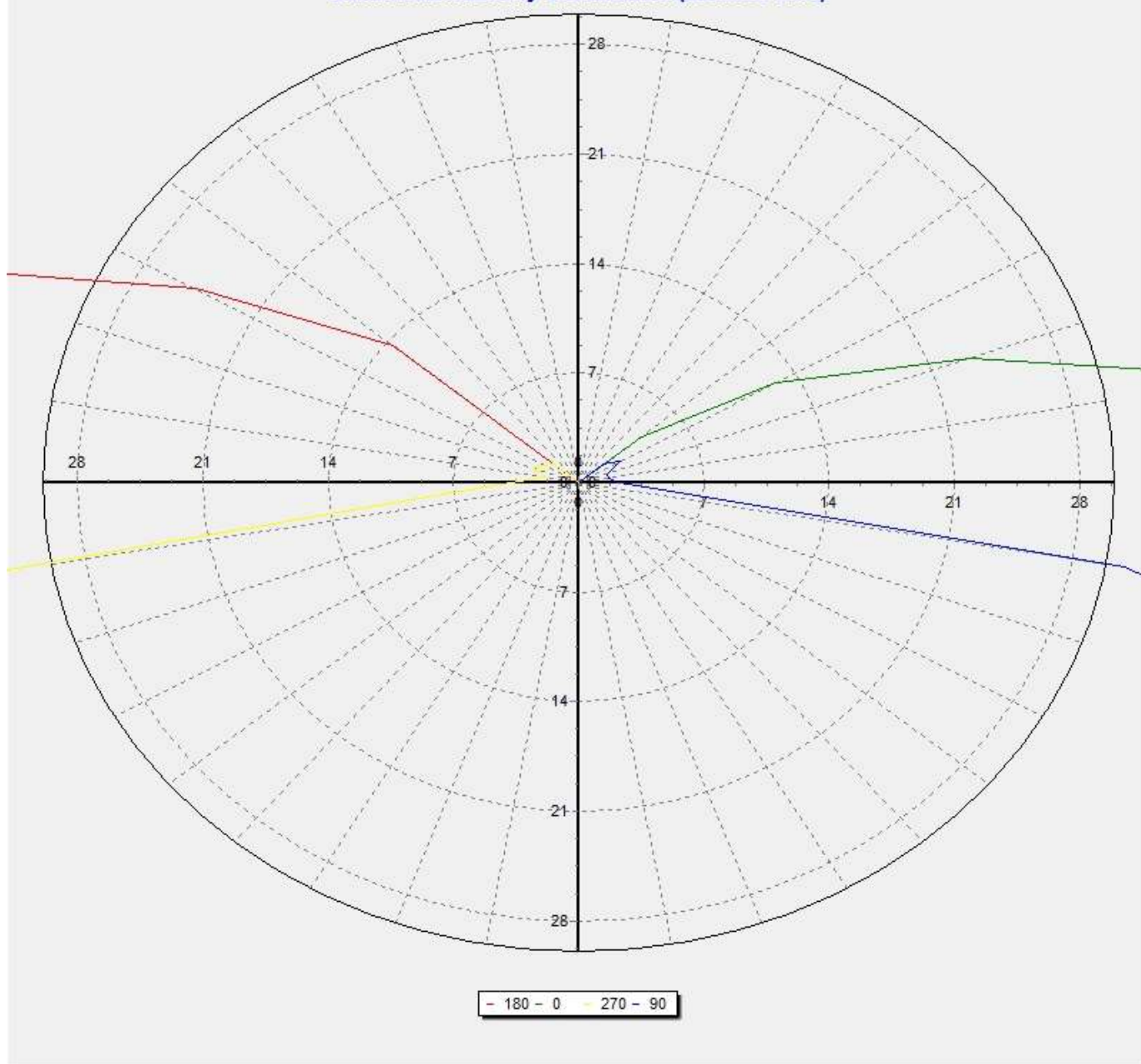


All luminous intensity values are in Cd/KLm unit.

Luminaire

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Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

Luminaire

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				2019-04-09 오전 10:14:29

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	226.22	226.77	226.12	225.23	225.22	225.17	226.22	226.77	226.12	225.23	225.22	225.17	226.22
10	222.96	221.48	221.89	221.44	223.22	222.45	222.81	222.37	223.01	221.53	222.16	222.68	222.96
20	210.44	210.79	208.61	210.52	210.89	211.45	223.02	212.13	212.29	210.81	209.48	210.43	210.44
30	193.37	191.57	190.79	191.80	193.63	193.53	212.53	194.99	194.06	193.39	192.75	193.19	193.37
40	171.88	167.78	165.90	165.16	168.42	171.08	195.16	173.01	170.05	168.19	166.72	169.94	171.88
50	146.60	141.92	136.19	134.92	138.90	143.42	172.72	146.24	139.85	137.67	136.63	143.64	146.60
60	118.80	112.07	102.40	97.90	105.58	116.76	146.94	118.07	107.26	101.78	104.33	115.04	118.80
70	92.11	85.19	69.26	60.03	72.23	88.18	120.20	89.44	73.85	63.47	72.36	87.27	92.11
80	67.62	59.83	39.83	24.53	42.44	62.61	94.03	63.55	43.24	26.41	42.28	62.00	67.62
90	47.65	38.62	19.99	1.76	21.63	42.02	70.11	42.04	20.87	3.05	21.06	40.90	47.65
100	30.88	23.54	9.10	1.34	9.37	25.92	49.12	26.06	8.94	1.49	10.01	25.98	30.88
110	18.48	14.01	3.52	1.35	4.52	16.00	32.16	15.12	3.62	2.13	2.47	14.99	18.48
120	10.10	6.40	1.15	2.14	1.77	7.43	19.60	5.62	1.19	1.76	1.75	5.89	10.10
130	3.61	1.74	2.26	1.41	1.82	2.18	10.77	2.05	2.05	1.42	2.46	1.53	3.61

Luminaire

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Luminous Flux Table

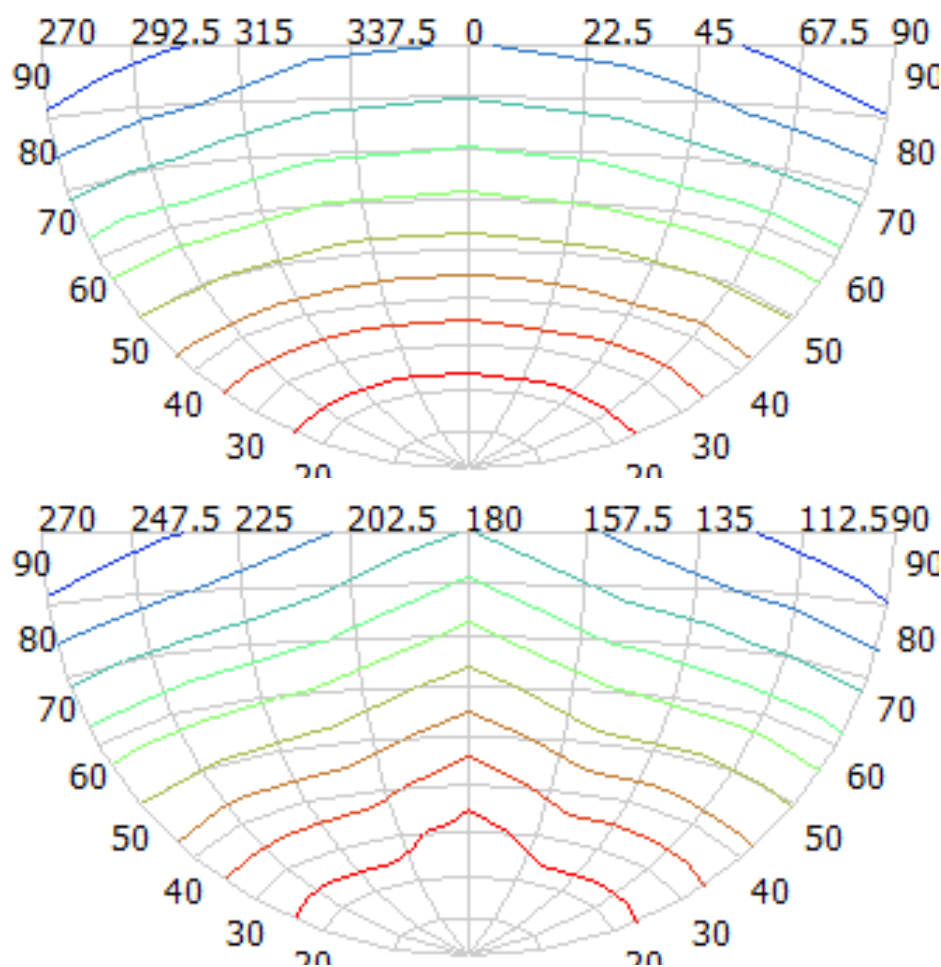
Total Lamp Lumens: 792
 Luminaire Efficiency (lm/W): 791.67
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.40	5.40	0.68	0.68
10	42.28	47.68	6.02	6.02
20	79.32	127.00	16.04	16.04
30	106.58	233.58	29.50	29.51
40	120.46	354.04	44.72	44.72
50	120.17	474.21	59.90	59.90
60	106.47	580.67	73.35	73.35
70	83.50	664.17	83.89	83.90
80	56.48	720.65	91.03	91.03
90	33.74	754.40	95.29	95.29
100	19.93	774.33	97.81	97.81
110	11.01	785.34	99.20	99.20
120	5.12	790.46	99.84	99.85
130	1.21	791.67	100.00	100.00

Luminaire

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IsoCandela (Type C)

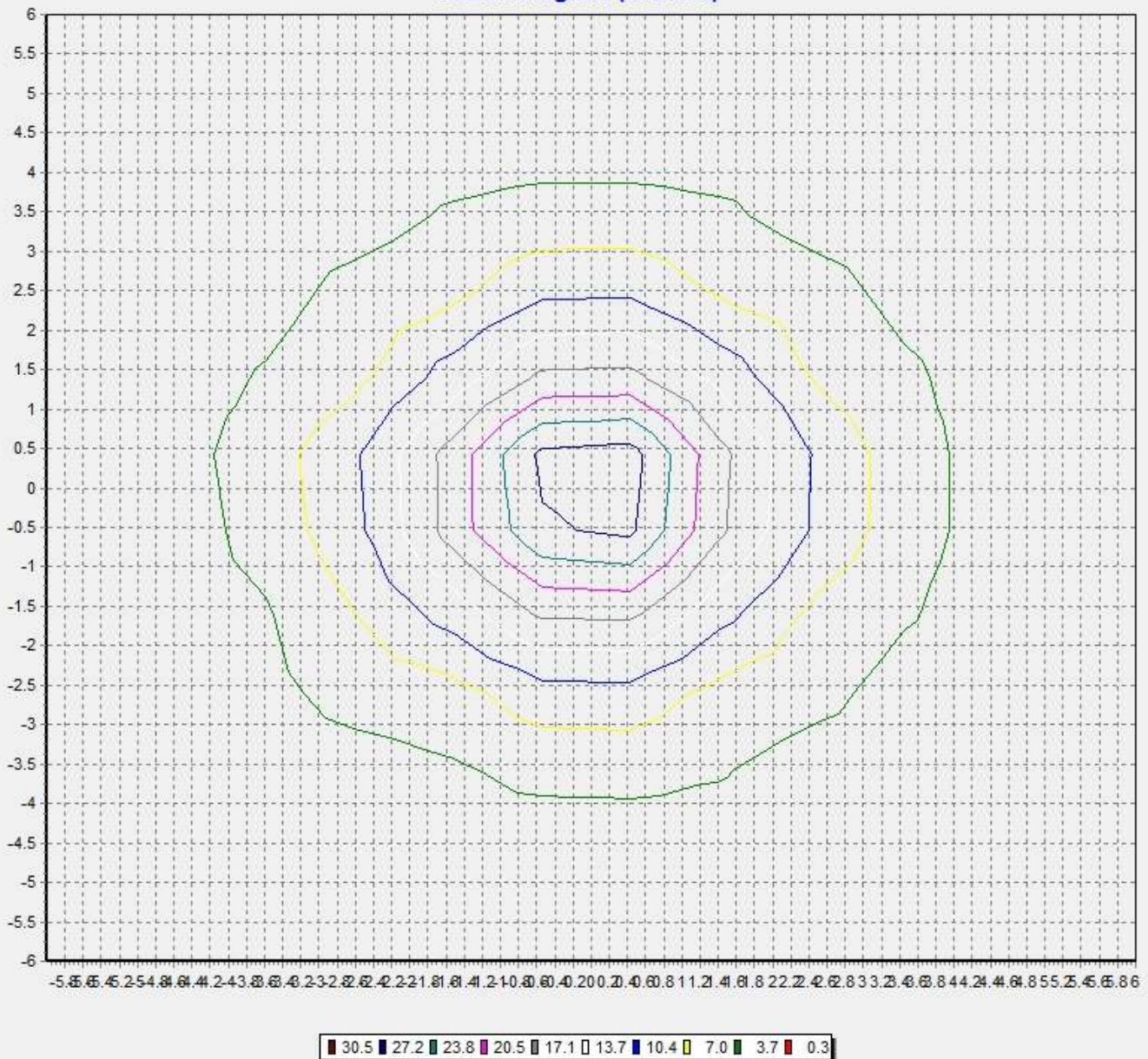


	1 ~ 24		114 ~ 137
	24 ~ 46		137 ~ 159
	46 ~ 69		159 ~ 182
	69 ~ 91		182 ~ 204
	91 ~ 114		204 ~ 227

Luminaire

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IsoLux Diagram (Ground)



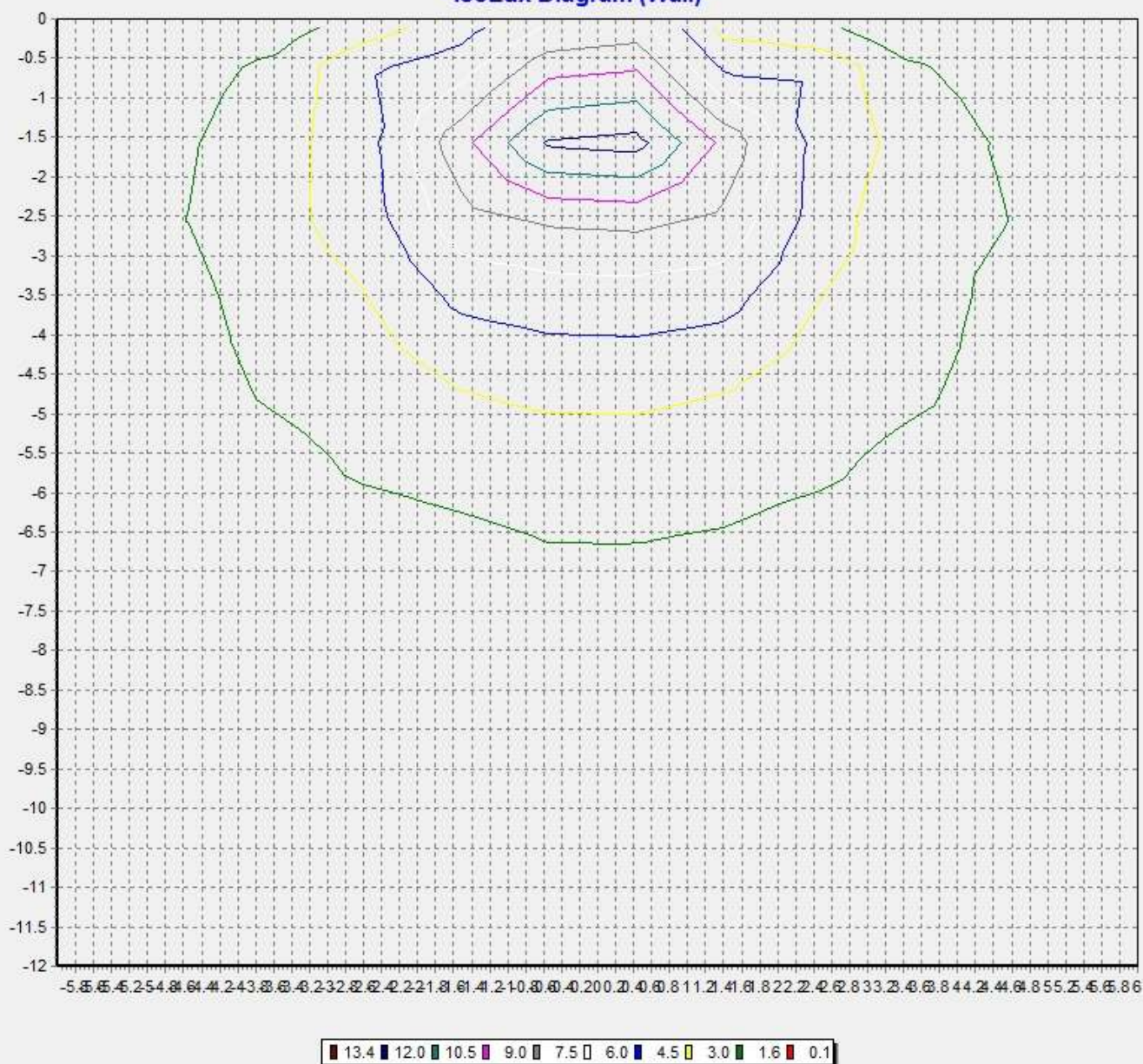
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

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IsoLux Diagram (Wall)



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

Luminaire				Report		190409
Lamp				Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190409 FN2 30K-24V-C90.jdt		
No. of lamps	1	Voltage (V)	23.94	Operator	CGR	
Lamp flux (lm)	792	Current (A)	0.489	Date	2019-04-09 오전 10:14:29	
Total flux (lm)	792	Power Factor	1			

Illuminance Levels (Ground)

6.00	0.36	0.46	0.38	0.55	0.65	0.73	0.72	0.71	0.73	0.63	0.43	0.49	0.42
5.00	0.53	0.43	0.60	0.80	1.56	1.80	1.90	1.80	1.60	0.87	0.67	0.57	0.55
4.00	0.52	0.74	1.33	1.91	2.05	2.52	2.71	2.51	2.17	1.94	1.44	0.79	0.55
3.00	0.57	1.03	2.03	2.34	4.61	5.21	5.79	5.30	4.63	2.60	2.07	1.07	0.65
2.00	0.73	1.60	2.09	4.78	6.68	10.59	12.41	10.56	6.94	4.83	2.20	1.65	0.80
1.00	1.11	2.20	3.19	5.33	10.63	18.78	25.01	18.76	10.60	5.44	2.84	1.95	0.91
0.00	1.25	2.48	3.78	7.28	14.32	25.20	31.03	25.17	12.76	6.23	3.12	2.09	0.98
-1.00	1.00	2.09	3.14	5.92	11.05	19.74	25.02	18.79	10.53	5.29	2.84	1.96	0.93
-2.00	0.91	1.78	2.36	5.47	7.61	10.87	12.59	10.52	6.70	4.76	2.07	1.58	0.73
-3.00	0.70	1.35	2.39	2.95	4.76	5.45	5.90	5.20	4.68	2.37	2.02	1.02	0.57
-4.00	0.70	0.96	1.62	2.00	2.27	2.60	2.79	2.61	2.04	1.94	1.34	0.73	0.51
-5.00	0.65	0.67	0.70	0.92	1.66	1.84	1.94	1.85	1.55	0.84	0.62	0.44	0.52
-6.00	0.48	0.52	0.46	0.67	0.77	0.74	0.76	0.77	0.66	0.55	0.39	0.47	0.36
-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	

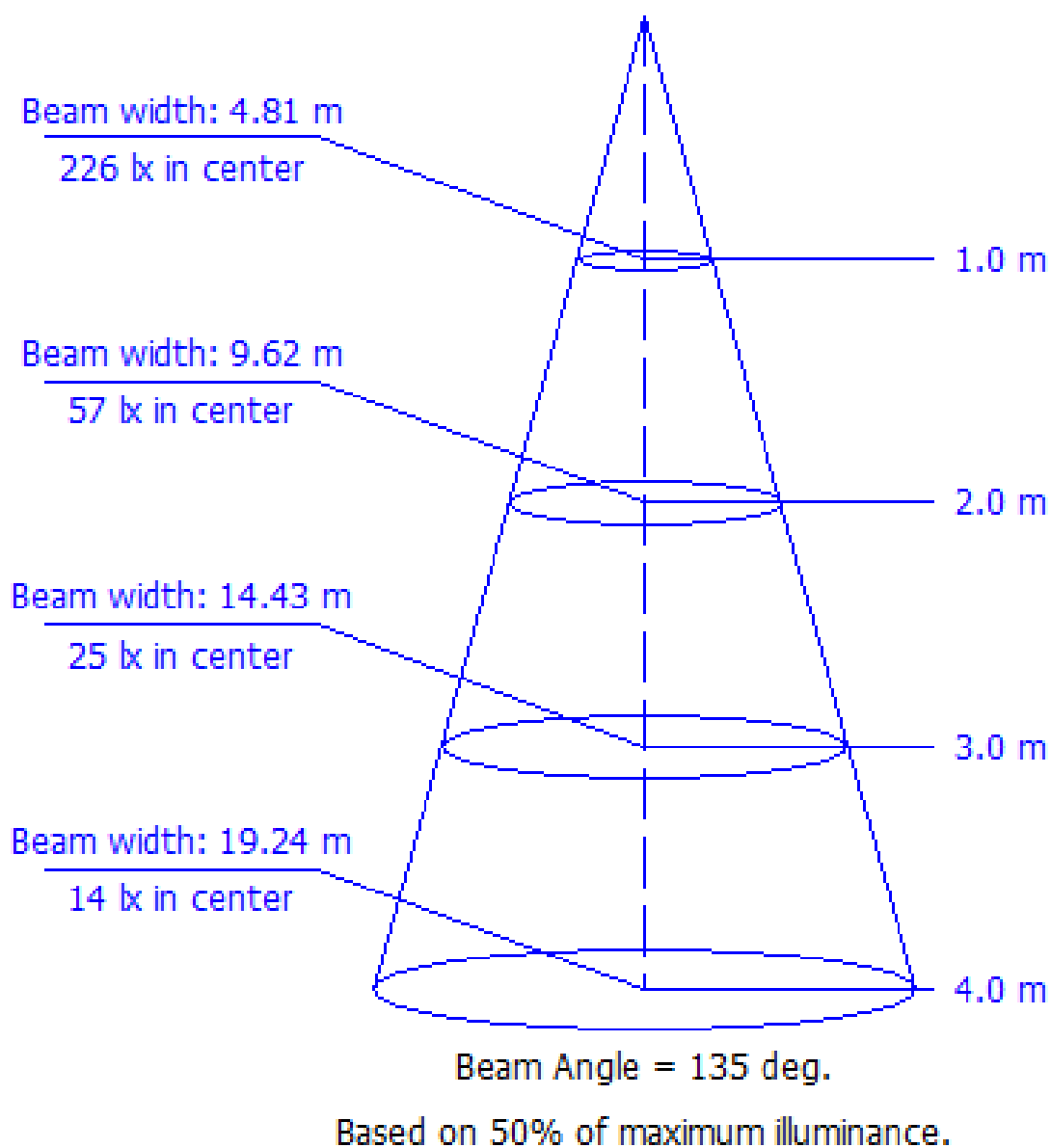
Illum. (Max.): 31.0
All illuminance level values are in lux.
Illum. (Min.): 0.36
Illum. Avg.: 3.83

Total Optical Solution Provider

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

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Lamp flux (lm)	792	Current (A)	0.489
Total flux (lm)	792	Power Factor	1

Report

190409

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190409 FN2 30K-24V-C90.jdt

Operator

CGR

Date

2019-04-09 오전 10:14:29

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