

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 : 190327

2. Purpose of Report :

3. Test Standard / Item : LED / 190327 FN2 60K-24V

4. Test Period : 190327 ~ 190327

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 KCH	Technical manager KCH
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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
	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3315, 0.3510	
Correlated Color Temperature	K	5537	
Ra	-	79.67	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.504	
Input Watt	W	12.06	
Lamp Flux	lm	703.8	
Efficient	lm/W	58.31	
Illuminance	lx	206	1 m
		51	2 m
		23	3 m

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

Sample photo

Click to load image

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 704

Total flux (lm) 704

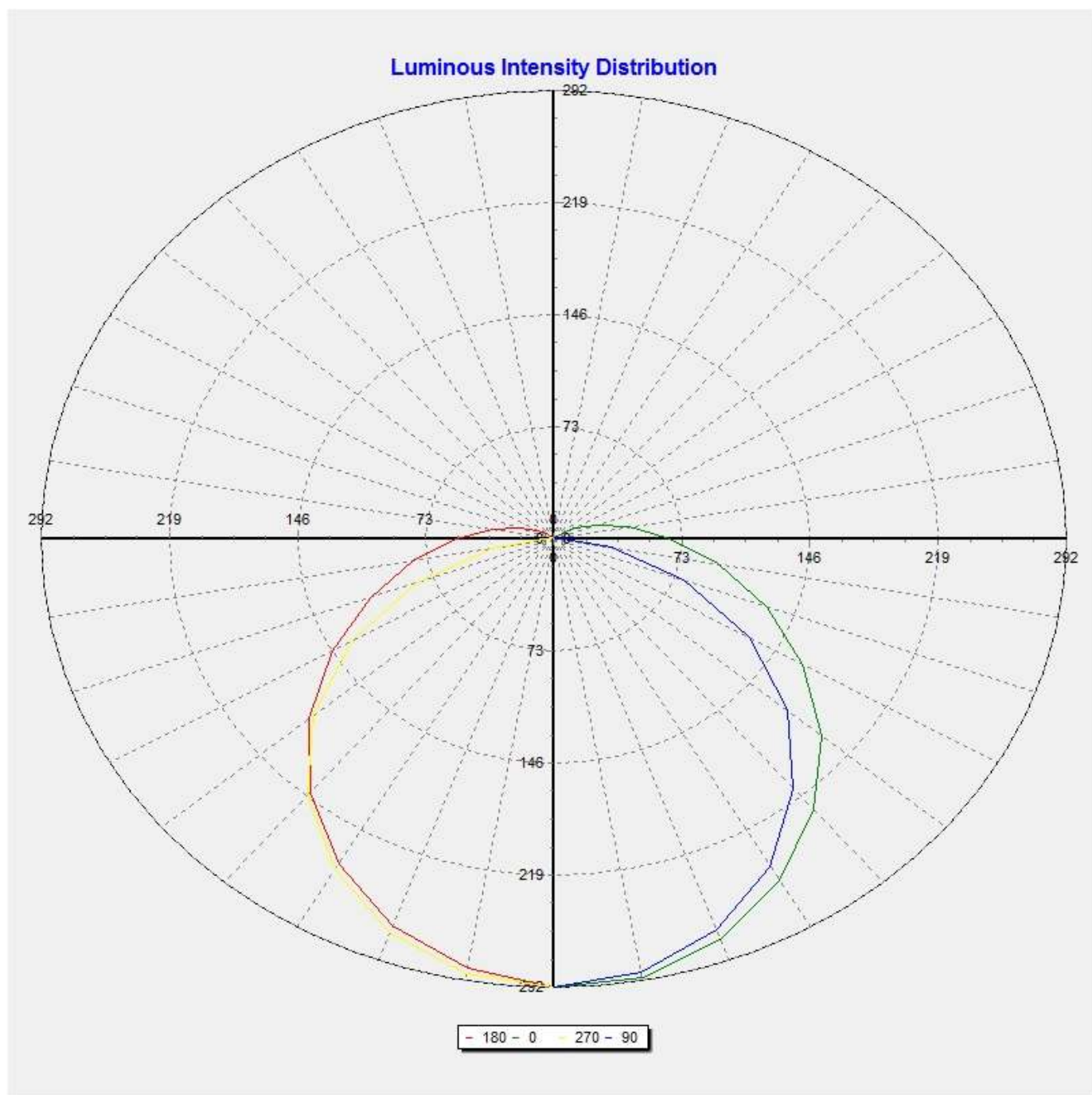
Report

FilenameC:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190327 FN2 60K-24V.jdt

Operatorcurrent (A) 0.504

Date Power Factor 1

2019-03-27 오후 4:10:32



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

Report

No. of lamps 1

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Lamp flux (lm) 704

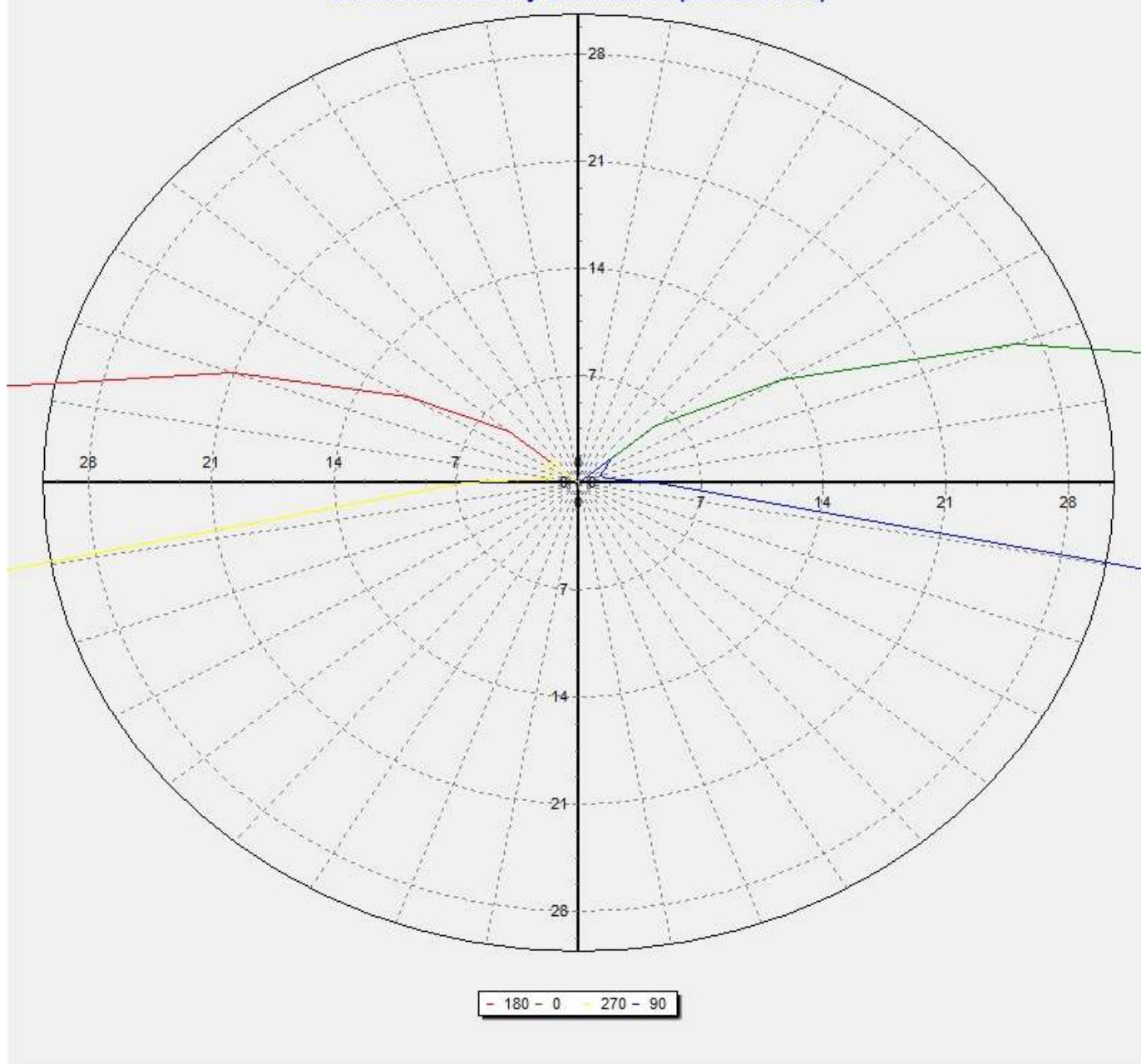
Operator current (A) 0.504

Total flux (lm) 704

Date Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/Klm unit.

Luminaire

Lamp		Report	
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Total flux (lm)	704	Date	Power Factor 1

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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	205.78	207.39	205.72	205.74	203.17	204.26	205.78	207.39	205.72	205.74	203.17	204.26	205.78
10	204.32	204.90	202.75	201.74	199.23	201.01	200.11	202.65	202.05	202.87	200.21	201.10	204.32
20	195.87	196.25	193.40	191.17	188.87	189.06	188.62	191.38	191.14	192.56	190.76	192.24	195.87
30	181.34	181.04	176.15	173.81	171.67	172.70	172.77	175.28	174.78	175.37	175.11	176.87	181.34
40	162.00	160.49	153.62	149.68	149.05	152.59	152.25	153.43	152.54	153.87	153.68	156.53	162.00
50	140.37	136.18	127.91	122.37	122.52	128.31	128.21	128.05	125.07	125.77	125.87	132.18	140.37
60	115.36	109.81	97.34	90.35	93.01	101.25	102.61	101.98	95.55	93.42	95.95	106.55	115.36
70	91.00	83.15	67.21	55.74	63.02	75.28	78.54	75.99	64.93	58.23	65.81	80.72	91.00
80	66.78	59.27	39.52	23.22	36.96	53.25	57.30	53.23	38.43	24.82	38.32	55.98	66.78
90	46.71	38.63	20.54	3.13	17.81	34.77	39.14	34.53	18.65	4.58	19.11	36.30	46.71
100	30.88	24.89	9.05	1.17	8.12	21.56	24.83	21.07	7.53	1.12	8.55	21.87	30.88
110	18.71	14.19	2.93	0.92	3.25	12.40	14.83	11.54	2.87	1.09	1.99	14.19	18.71
120	9.43	5.10	2.33	1.17	1.10	6.30	7.88	5.22	1.48	1.62	1.57	3.17	9.43
130	4.07	3.76	2.71	1.71	1.74	2.09	3.64	2.12	2.20	1.45	1.28	3.95	4.07

Luminaire

Lamp		Report		
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Luminous Flux Table

Total Lamp Lumens: 704

Luminaire Efficiency (lm/W):703.82

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.91	4.91	0.70	0.70
10	38.40	43.31	6.15	6.15
20	71.84	115.15	16.36	16.36
30	96.15	211.30	30.02	30.02
40	108.52	319.81	45.44	45.44
50	107.87	427.68	60.77	60.77
60	95.10	522.78	74.28	74.28
70	73.73	596.51	84.75	84.75
80	49.17	645.68	91.74	91.74
90	28.65	674.33	95.81	95.81
100	16.24	690.56	98.12	98.12
110	8.48	699.05	99.32	99.32
120	3.66	702.71	99.85	99.84
130	1.11	703.82	100.00	100.00

Luminaire

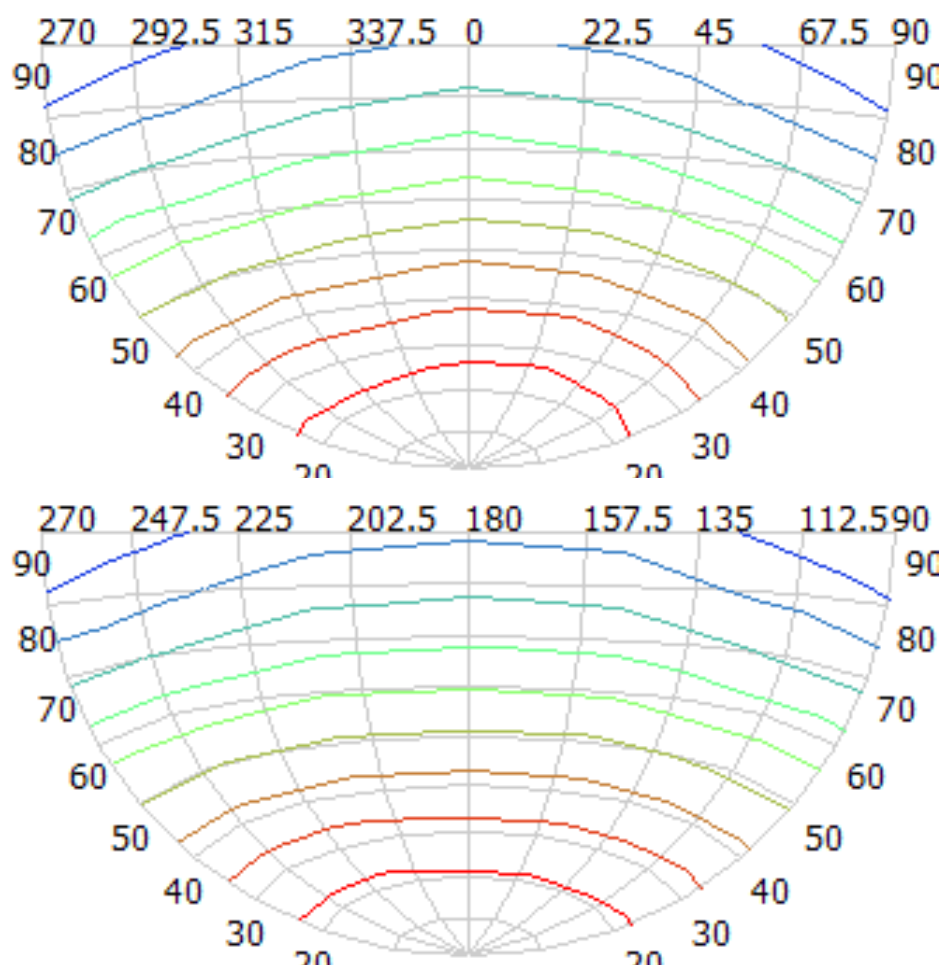
Lamp

Report

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IsoCandela (Type C)



	1 ~ 22		104 ~ 125
	22 ~ 42		125 ~ 145
	42 ~ 63		145 ~ 166
	63 ~ 84		166 ~ 187
	84 ~ 104		187 ~ 207

Luminaire

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Total flux (lm) 704

Report

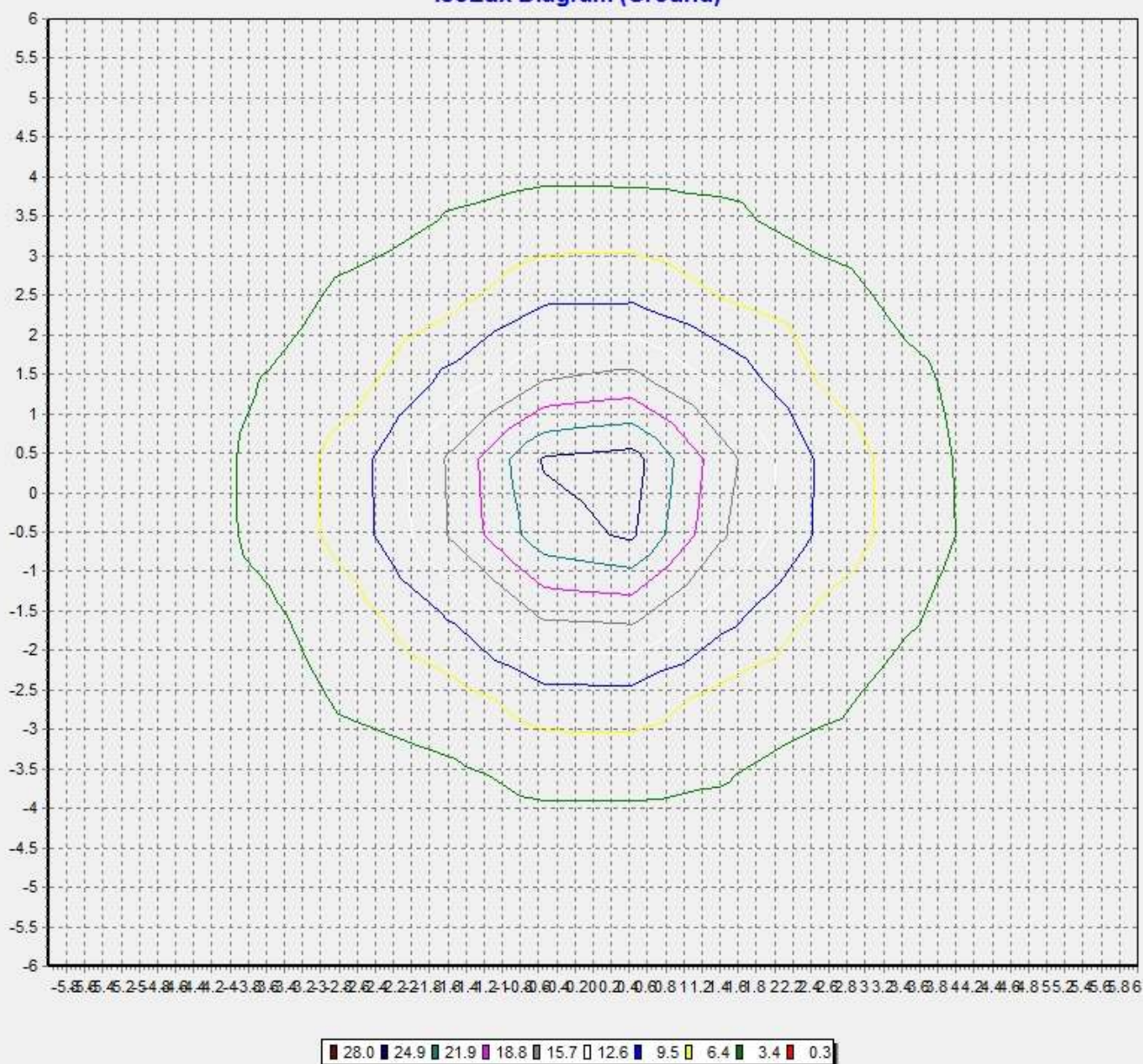
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IsoLux Diagram (Ground)



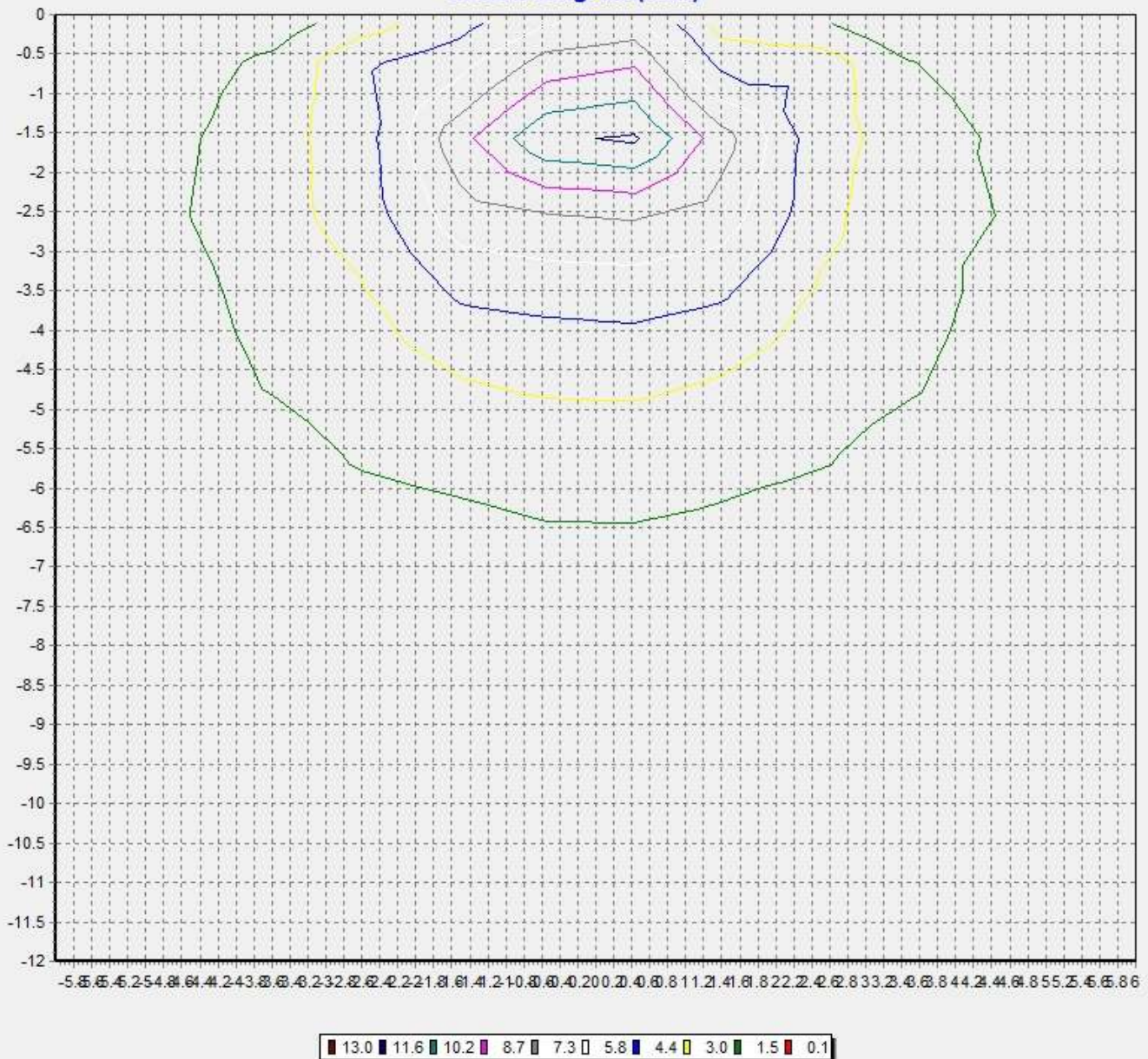
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp		Report	
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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

Lamp

No. of lamps	1	Voltage (V)	23.95
Lamp flux (lm)	704	Current (A)	0.504
Total flux (lm)	704	Power Factor	1

Report

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Operator

Date

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Illuminance Levels (Ground)

6.00	0.32	0.42	0.35	0.49	0.58	0.70	0.67	0.66	0.71	0.62	0.42	0.47	0.41
5.00	0.46	0.39	0.54	0.74	1.39	1.68	1.72	1.66	1.54	0.84	0.64	0.56	0.53
4.00	0.44	0.64	1.19	1.73	1.82	2.35	2.48	2.34	2.11	1.84	1.39	0.77	0.54
3.00	0.50	0.89	1.80	2.11	4.16	4.65	5.25	5.04	4.32	2.52	1.99	1.04	0.64
2.00	0.64	1.41	1.84	4.26	5.98	9.40	11.25	10.06	6.63	4.57	2.15	1.59	0.78
1.00	0.80	1.73	2.49	4.73	9.42	16.86	22.78	17.61	10.12	5.22	2.68	1.83	0.86
0.00	0.84	1.83	2.71	5.46	11.34	22.59	28.23	23.08	12.01	5.94	3.01	2.01	0.96
-1.00	0.79	1.72	2.49	4.86	9.66	16.95	22.91	17.08	9.70	4.87	2.69	1.86	0.89
-2.00	0.70	1.47	1.99	4.28	6.20	9.66	11.48	9.68	6.15	4.38	1.90	1.46	0.67
-3.00	0.58	0.92	1.82	2.31	4.25	4.81	5.39	4.78	4.28	2.17	1.86	0.94	0.52
-4.00	0.47	0.68	1.28	1.78	1.97	2.35	2.56	2.36	1.88	1.77	1.23	0.68	0.47
-5.00	0.48	0.50	0.62	0.81	1.46	1.67	1.77	1.67	1.43	0.77	0.56	0.40	0.48
-6.00	0.37	0.45	0.40	0.57	0.67	0.67	0.69	0.69	0.61	0.51	0.36	0.44	0.33
-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.): 28.2

All illuminance level values are in lux.

Illum. (Min.): 0.32

Illum. Avg.: 3.44

Total Optical Solution Provider


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

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 704

Total flux (lm) 704

Report

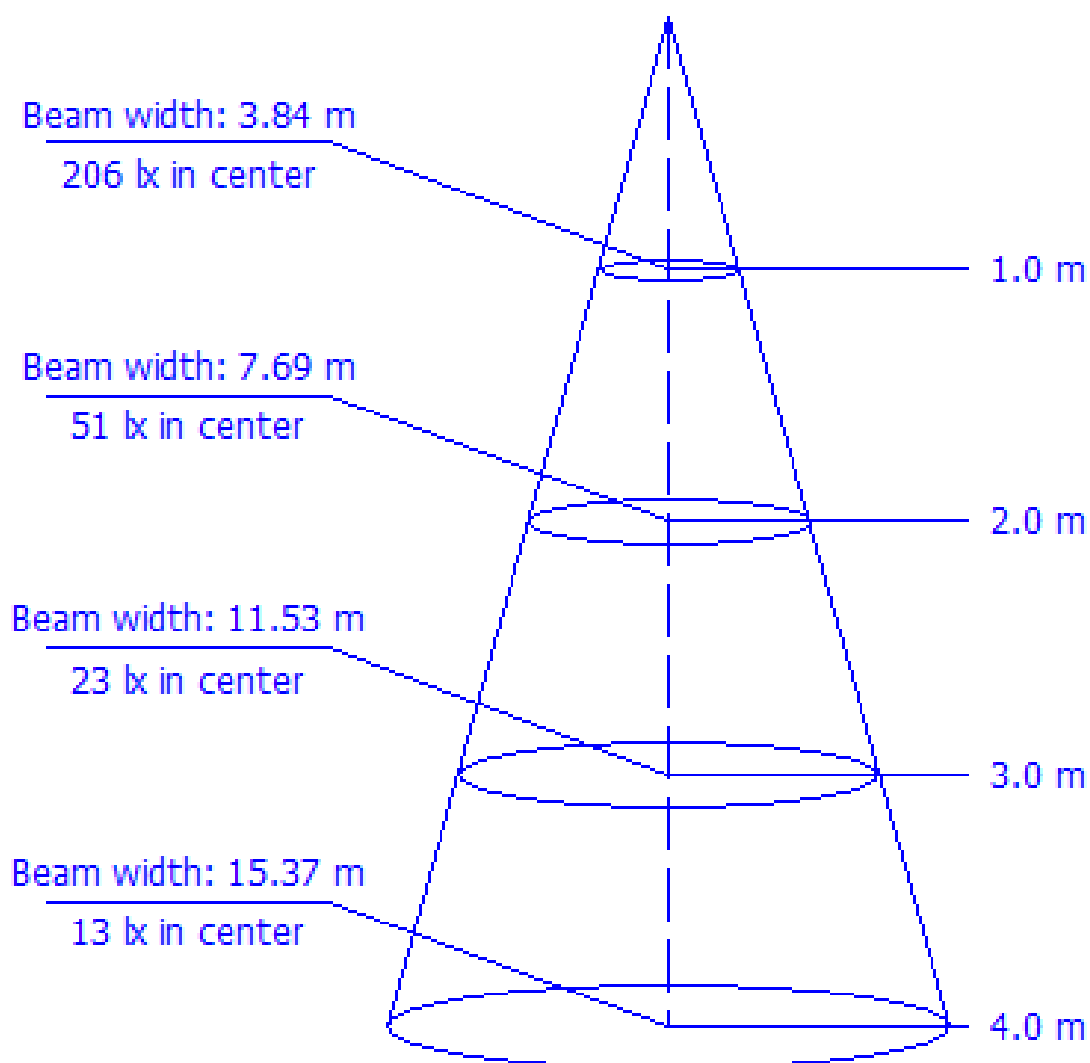
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Illuminance Cone Diagram



Beam Angle = 125 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

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Total flux (lm)	704	Power Factor	1

Report

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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