

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 : 20190129

2. Purpose of Report :

3. Test Standard / Item : LED / 190211 FN1 BL-24V

4. Test Period : 20190129 ~ 20190129

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
	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.1378, 0.0489	
Correlated Color Temperature	K	0	
Ra	-	0	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.458	
Input Watt	W	10.98	
Lamp Flux	lm	50	
Efficient	lm/W	4.56	
Illuminance	lx	14	1 m
		4	2 m
		2	3 m

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

Sample photo

Click to load image

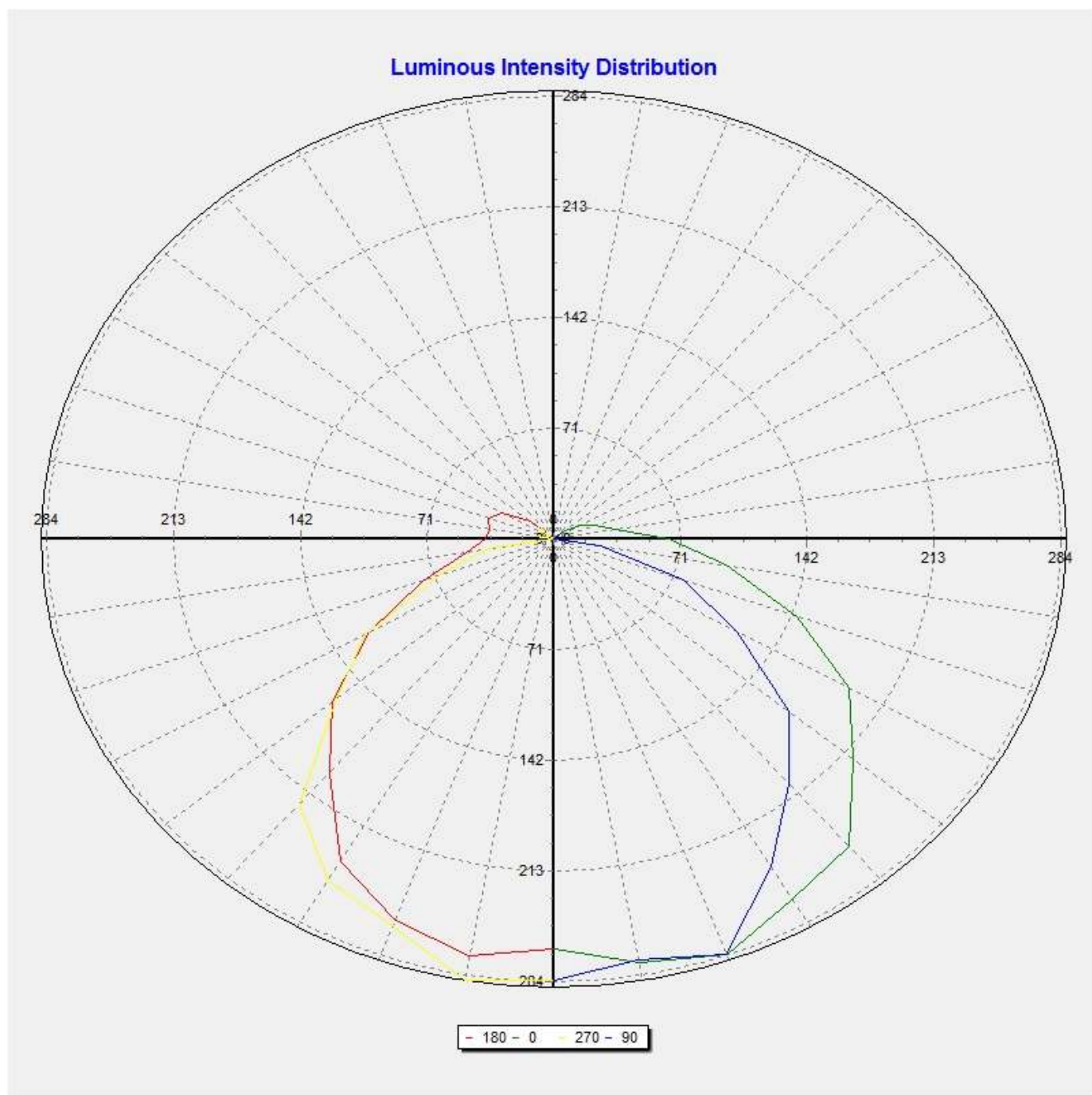
Luminaire

Lamp

Report

No. of lamps	1	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 BL-24V.jdt
Lamp flux (lm)	50	Operator	rrrent (A) 0.458
Total flux (lm)	50	Date	Power Factor 1

2019-02-11 오후 2:51:14



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp

Report

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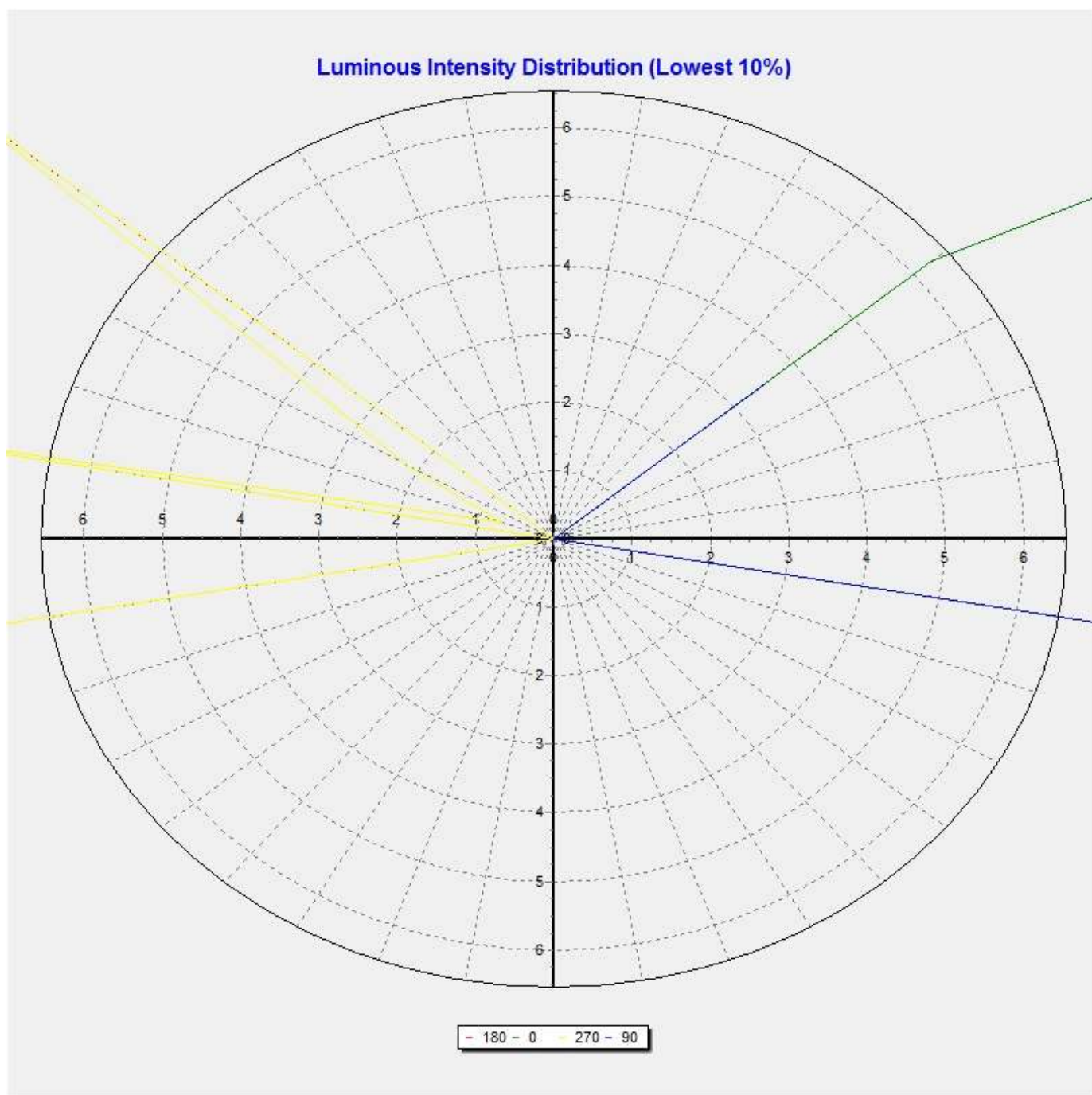
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		Power Factor	1

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	13.13	14.13	14.66	14.12	14.40	14.47	13.13	14.13	14.66	14.12	14.40	14.47	13.13
10	13.79	14.20	14.07	13.71	15.02	14.91	13.57	14.03	14.11	14.36	14.11	14.57	13.79
20	14.17	14.25	13.37	14.15	13.05	14.71	13.01	12.88	13.03	13.17	13.28	13.39	14.17
30	13.33	13.65	12.46	12.15	12.12	13.47	11.94	12.21	12.15	12.66	12.80	12.49	13.33
40	12.85	12.02	11.41	10.25	10.25	12.38	9.75	10.78	10.60	11.08	11.38	10.52	12.85
50	10.97	10.51	9.63	8.60	8.83	11.14	8.10	9.25	9.07	7.97	9.64	9.23	10.97
60	9.55	9.28	8.41	5.92	5.81	9.73	5.96	6.68	6.79	6.12	7.54	6.99	9.55
70	7.25	6.90	5.60	3.86	3.88	7.04	3.93	4.59	4.17	3.38	5.24	3.61	7.25
80	4.88	4.32	3.43	1.34	2.23	4.40	2.49	2.40	1.91	1.86	3.07	2.46	4.88
90	3.21	2.68	0.74	-0.10	1.04	2.07	1.90	1.31	0.92	-0.05	0.88	1.55	3.21
100	1.77	1.28	0.96	-1.31	0.53	1.27	1.83	1.68	0.42	0.53	0.30	1.35	1.77
110	1.23	1.53	0.59	-0.16	1.13	1.56	1.94	1.99	-0.26	0.03	0.73	0.71	1.23
120	0.84	0.99	0.37	-0.34	0.06	1.40	1.67	1.47	-0.18	0.11	-0.04	-0.59	0.84
130	0.31	0.66	0.30	0.18	0.11	0.80	0.86	0.33	0.25	0.53	0.55	0.36	0.31

Luminaire

Lamp		Report	
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Total flux (lm)	50	Date	2019-02-11 오후 2:51:14
		Power Factor	1

Luminous Flux Table

Total Lamp Lumens: 50.0
 Luminaire Efficiency (lm/W): 50.00
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.34	0.34	0.68	0.68
10	2.70	3.04	6.08	6.08
20	5.07	8.11	16.22	16.22
30	6.91	15.02	30.04	30.04
40	7.82	22.84	45.68	45.68
50	7.90	30.74	61.47	61.47
60	7.02	37.75	75.50	75.51
70	5.10	42.85	85.70	85.71
80	3.13	45.98	91.96	91.96
90	1.47	47.45	94.90	94.91
100	0.95	48.41	96.81	96.82
110	0.95	49.35	98.70	98.71
120	0.46	49.81	99.61	99.62
130	0.19	50.00	99.99	100.00

Luminaire

Lamp

Report

No. of lamps 1

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2018\190211 FN1 BL-24V.jdt

Lamp flux (lm) 50

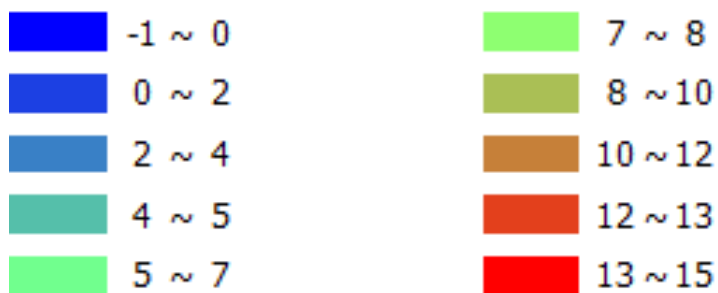
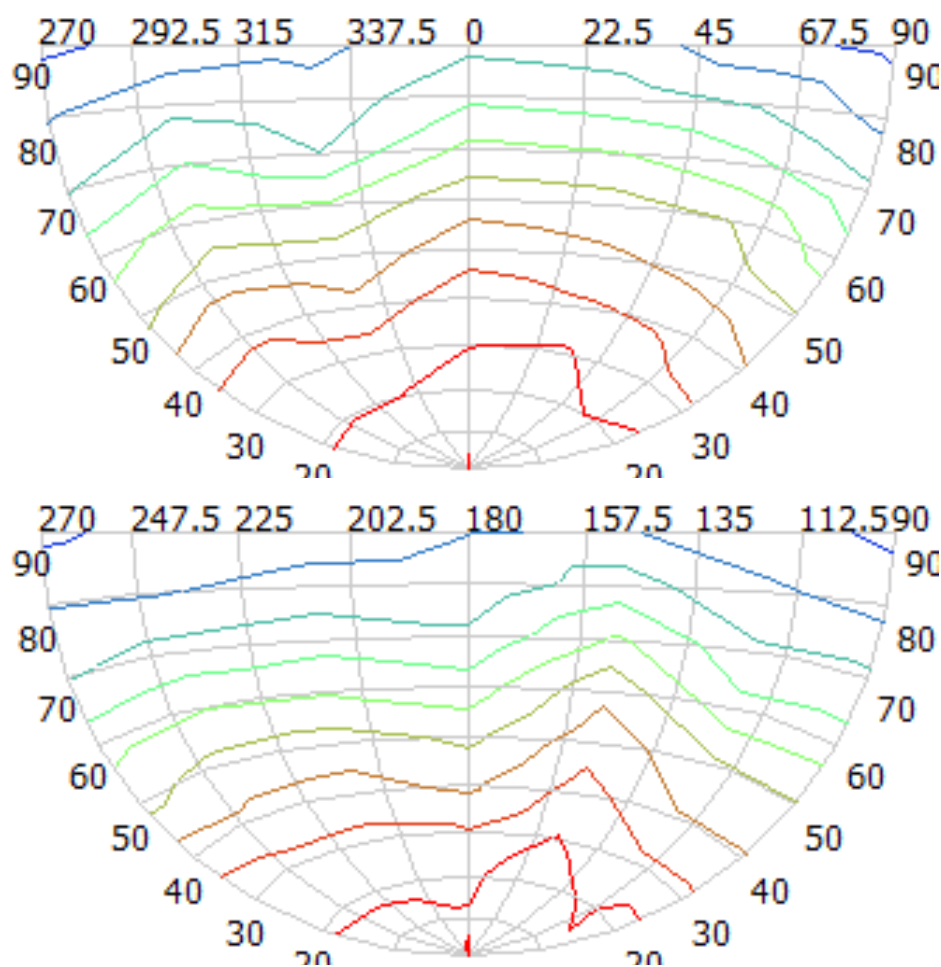
Operator rrent (A) 0.458

Total flux (lm) 50

Date Power Factor 1

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IsoCandela (Type C)



Luminaire

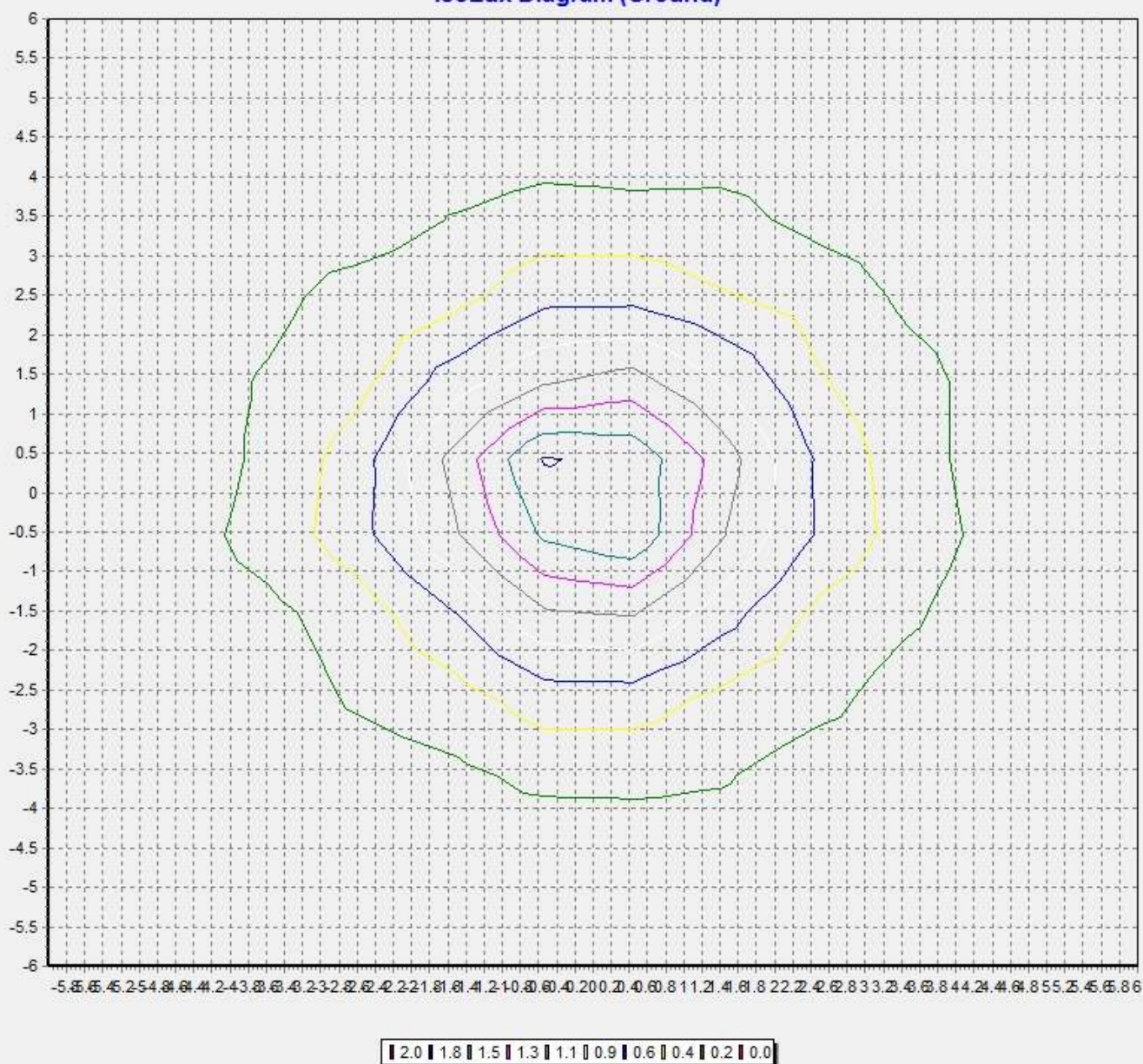
Lamp

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IsoLux Diagram (Ground)

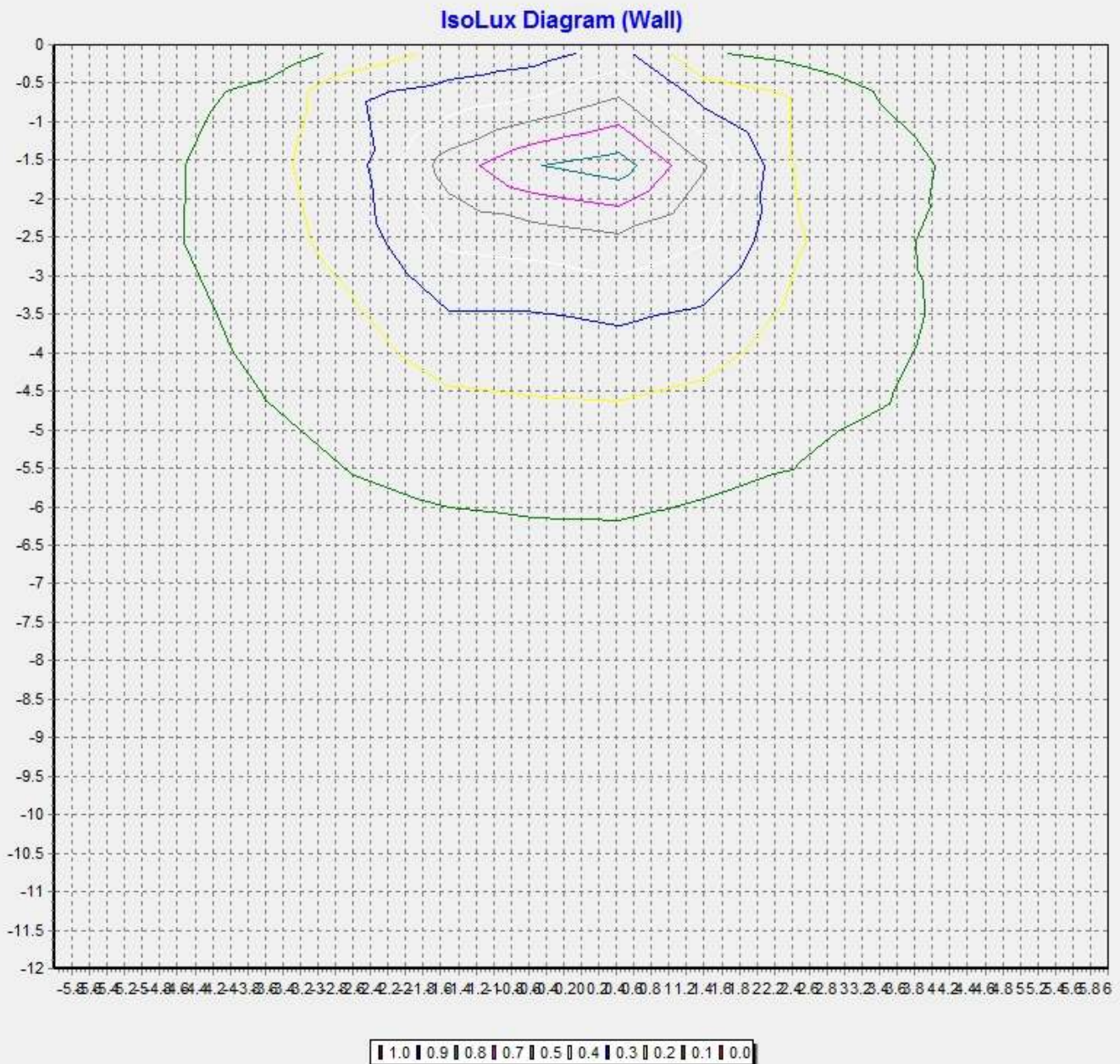


Pole Height (m): 2.7

Area Width (m): 12

Luminaire

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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)	50	Current (A)	0.458
Total flux (lm)	50	Power Factor	1

Report

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Operator

Date

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Illuminance Levels (Ground)

6.00	0.02	0.03	0.02	0.03	0.04	0.06	0.04	0.05	0.06	0.05	0.03	0.04	0.03
5.00	0.04	0.03	0.04	0.05	0.10	0.12	0.12	0.12	0.12	0.07	0.05	0.05	0.04
4.00	0.04	0.06	0.08	0.12	0.12	0.18	0.17	0.17	0.18	0.14	0.11	0.06	0.04
3.00	0.03	0.08	0.15	0.14	0.29	0.33	0.37	0.39	0.32	0.21	0.16	0.09	0.05
2.00	0.05	0.11	0.12	0.35	0.42	0.65	0.78	0.75	0.51	0.36	0.18	0.13	0.06
1.00	0.05	0.12	0.19	0.37	0.66	1.19	1.55	1.30	0.76	0.40	0.20	0.13	0.05
0.00	0.05	0.11	0.16	0.35	0.75	1.53	1.80	1.56	0.93	0.47	0.24	0.16	0.08
-1.00	0.06	0.14	0.19	0.33	0.67	1.17	1.62	1.22	0.71	0.36	0.20	0.14	0.07
-2.00	0.04	0.10	0.13	0.28	0.42	0.68	0.83	0.71	0.44	0.30	0.15	0.11	0.05
-3.00	0.04	0.05	0.12	0.15	0.30	0.35	0.35	0.34	0.30	0.16	0.13	0.05	0.04
-4.00	0.02	0.04	0.08	0.13	0.13	0.16	0.16	0.16	0.14	0.12	0.09	0.04	0.02
-5.00	0.03	0.03	0.04	0.06	0.10	0.11	0.11	0.12	0.10	0.05	0.04	0.03	0.03
-6.00	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.02	0.03	0.02
-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.): 1.80

All illuminance level values are in lux.

Illum. (Min.): 0.02

Illum. Avg.: 0.24

Total Optical Solution Provider


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

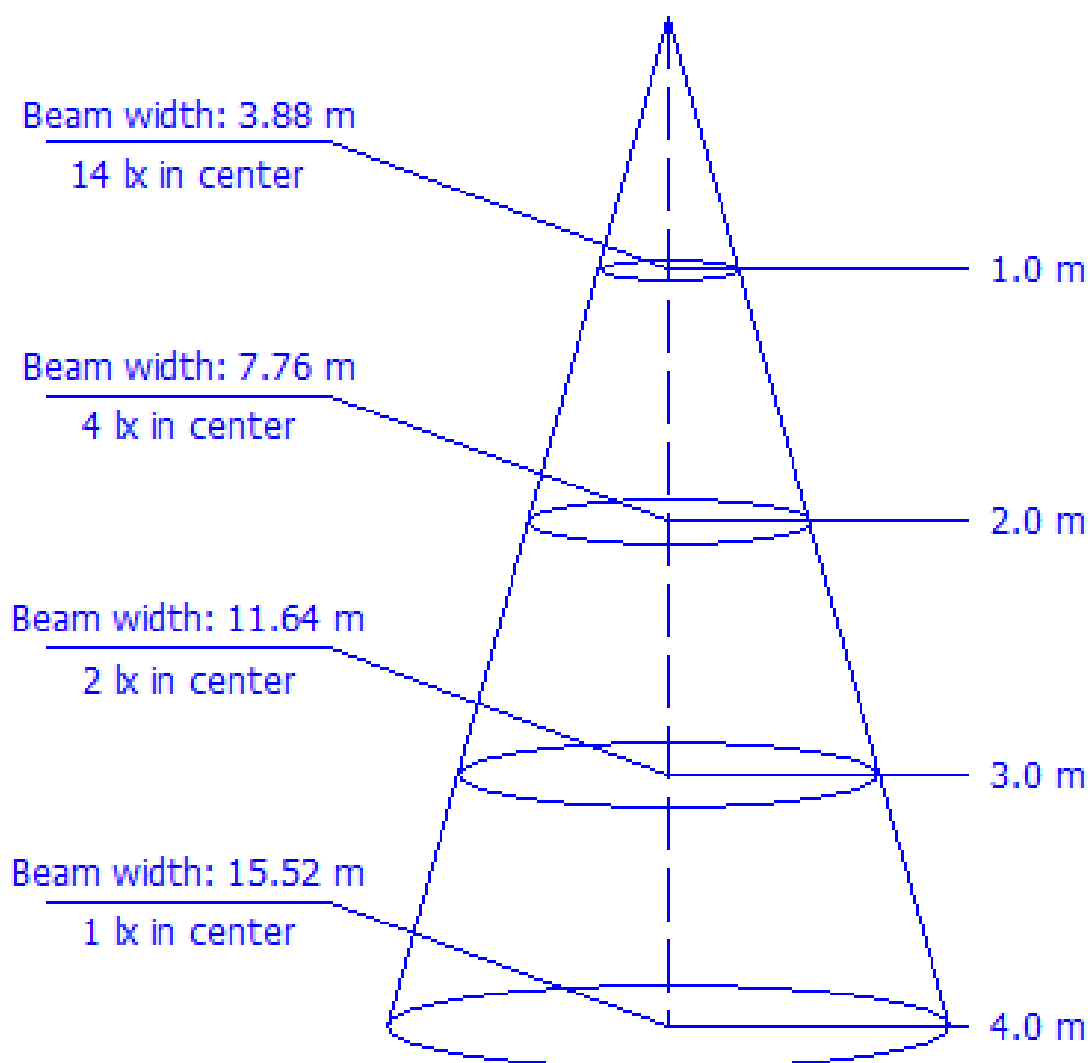
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Illuminance Cone Diagram



Beam Angle = 125 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

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Total flux (lm)	50	Power Factor	1

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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