

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 : 190328

2. Purpose of Report :

3. Test Standard / Item : LED / 190328 DVS4A 40K-24V-SW-WT-45

4. Test Period : 190328 ~ 190328

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
190328	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3895, 0.3926	
Correlated Color Temperature	K	3886	
Ra	-	80.96	
Power Factor	%	1.000	
Input Voltage	V	23.980	
Input Current	A	0.192	
Input Watt	W	4.61	
Lamp Flux	lm	501.9	
Efficient	lm/W	109.01	
Illuminance	lx	733	1 m
		183	2 m
		81	3 m

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

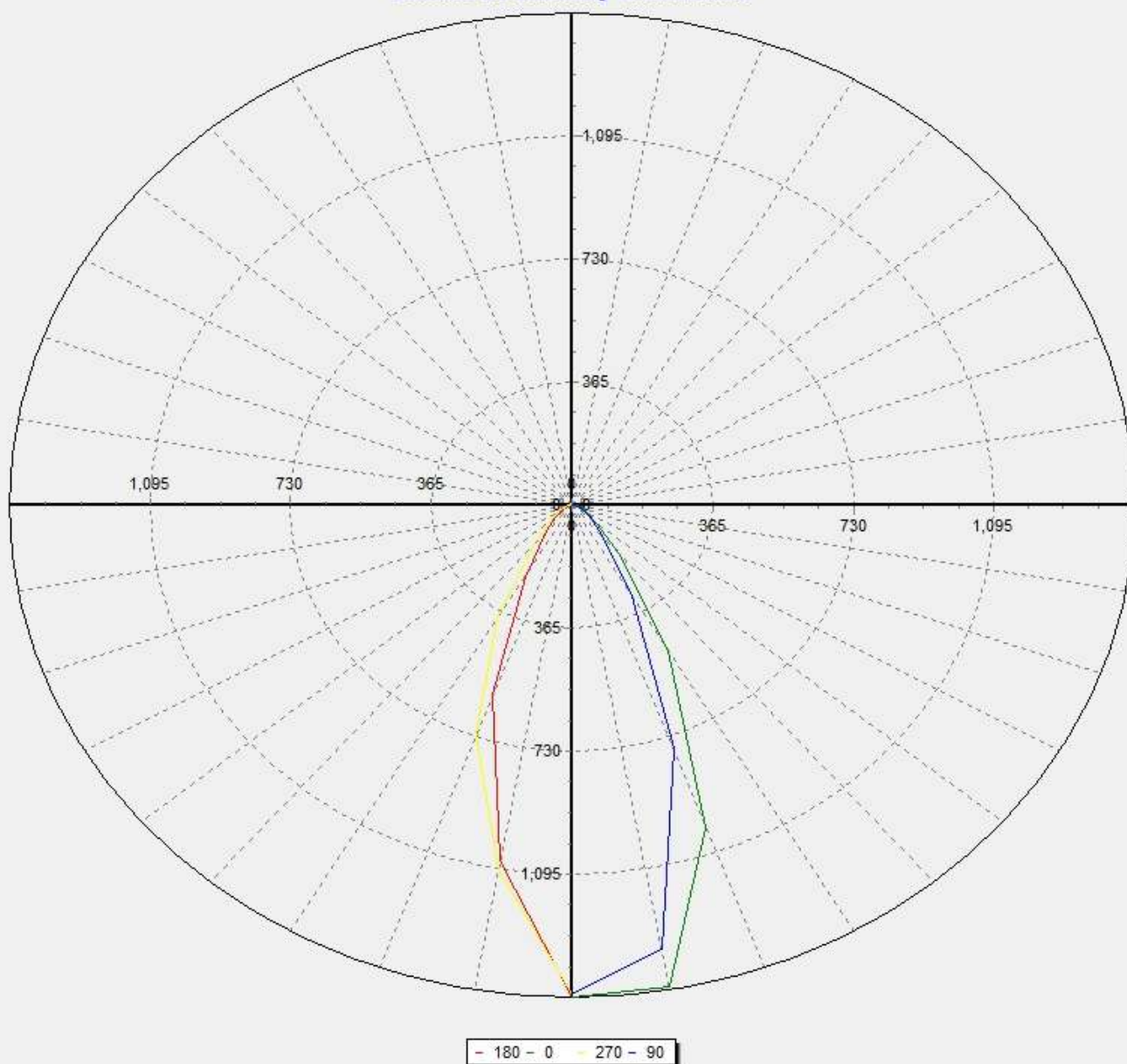
Sample photo

Click to load image

Luminaire

Lamp	Report	190328
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 DVS4A 40K-24V-SW-WT-45.jdt	
Lamp flux (lm)	Operator	Current (A) 0.192 CGR
Total flux (lm)	Date	Power Factor 1 2019-03-28 오후 2:09:42

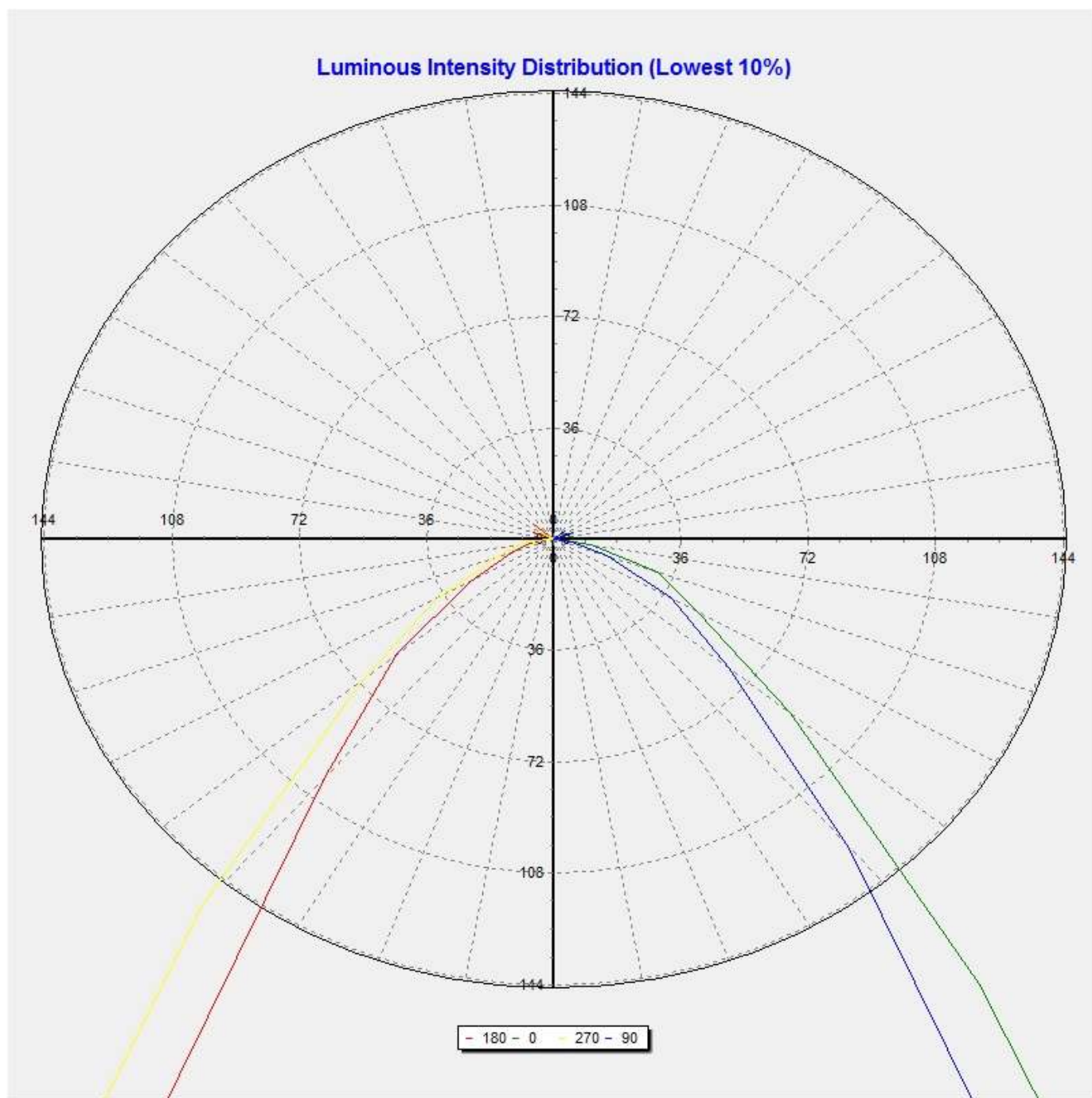
Luminous Intensity Distribution



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp	Report				190328
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 DVS4A 40K-24V-SW-WT-45.jdt				
Lamp flux (lm)	Operator	Current (A)	0.192	CGR	
Total flux (lm)	Date?	Power Factor	1	2019-03-28 오후 2:09:42	



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Luminaire

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Lamp flux (lm)	Operator	Current (A)	0.192	CGR
Total flux (lm)	Date	Power Factor	1	2019-03-28 오후 2:09:42

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	732.88	730.77	728.88	729.16	716.41	725.59	732.88	730.77	728.88	729.16	716.41	725.59	732.88
10	728.81	741.49	722.02	672.22	625.92	592.85	537.24	530.86	531.84	552.30	603.92	656.60	728.81
20	511.18	500.25	457.32	386.15	342.02	320.10	300.76	324.65	333.55	364.02	398.27	444.08	511.18
30	251.38	222.03	191.35	157.87	141.55	129.36	123.06	147.78	172.02	197.17	217.41	232.68	251.38
40	93.99	85.86	79.56	65.34	60.86	53.29	50.56	57.71	69.05	77.95	88.46	94.83	93.99
50	43.84	40.96	35.01	32.42	31.65	28.85	29.13	28.64	32.00	35.15	37.67	43.07	43.84
60	23.59	23.59	20.02	19.18	17.85	16.10	13.65	17.22	17.85	19.32	20.72	23.38	23.59
70	15.75	10.99	10.99	8.04	10.35	7.62	6.43	10.42	12.18	8.95	13.23	10.63	15.75
80	5.31	4.82	2.51	2.58	1.74	4.47	3.28	2.72	4.54	5.10	4.19	6.29	5.31
90	0.13	0.83	1.53	-0.78	-1.55	-1.27	0.97	1.88	3.84	1.18	1.95	0.34	0.13
100	0.69	-0.29	3.00	-0.85	1.88	0.27	-0.85	-0.99	2.51	-0.57	-0.71	0.83	0.69
110	2.93	3.00	2.23	2.58	0.69	3.28	3.00	2.23	2.93	1.04	1.18	1.46	2.93
120	-0.22	2.37	-1.20	-0.92	2.86	3.56	-0.22	2.30	1.04	2.51	1.53	3.35	-0.22
130	1.81	1.46	0.90	2.02	0.41	3.28	3.84	2.30	4.33	0.41	-0.08	4.47	1.81

Luminaire

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Lamp flux (lm)	Operator	Current (A) 0.192 CGR
Total flux (lm)	Date	Power Factor 1 2019-03-28 오후 2:09:42

Luminous Flux Table

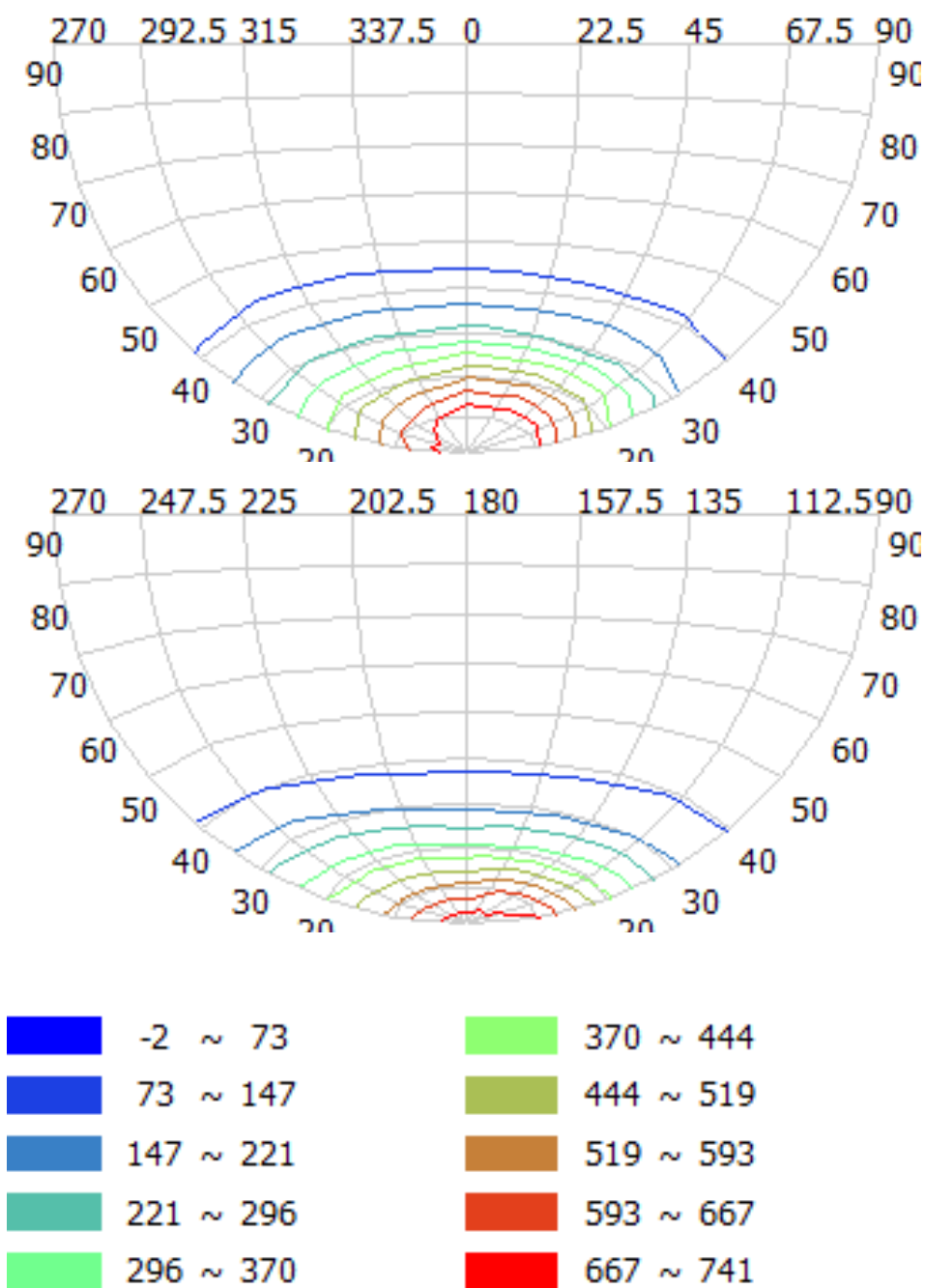
Total Lamp Lumens: 502
 Luminaire Efficiency (lm/W):501.95
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	17.39	17.39	3.46	3.46
10	118.80	136.19	27.14	27.13
20	146.16	282.36	56.26	56.25
30	99.65	382.01	76.11	76.10
40	51.48	433.48	86.37	86.36
50	29.25	462.74	92.20	92.19
60	18.38	481.11	95.86	95.85
70	10.77	491.88	98.00	97.99
80	4.27	496.16	98.86	98.85
90	0.82	496.98	99.02	99.01
100	0.44	497.42	99.11	99.10
110	2.28	499.70	99.56	99.55
120	1.34	501.04	99.83	99.82
130	0.91	501.95	100.01	100.00

Luminaire

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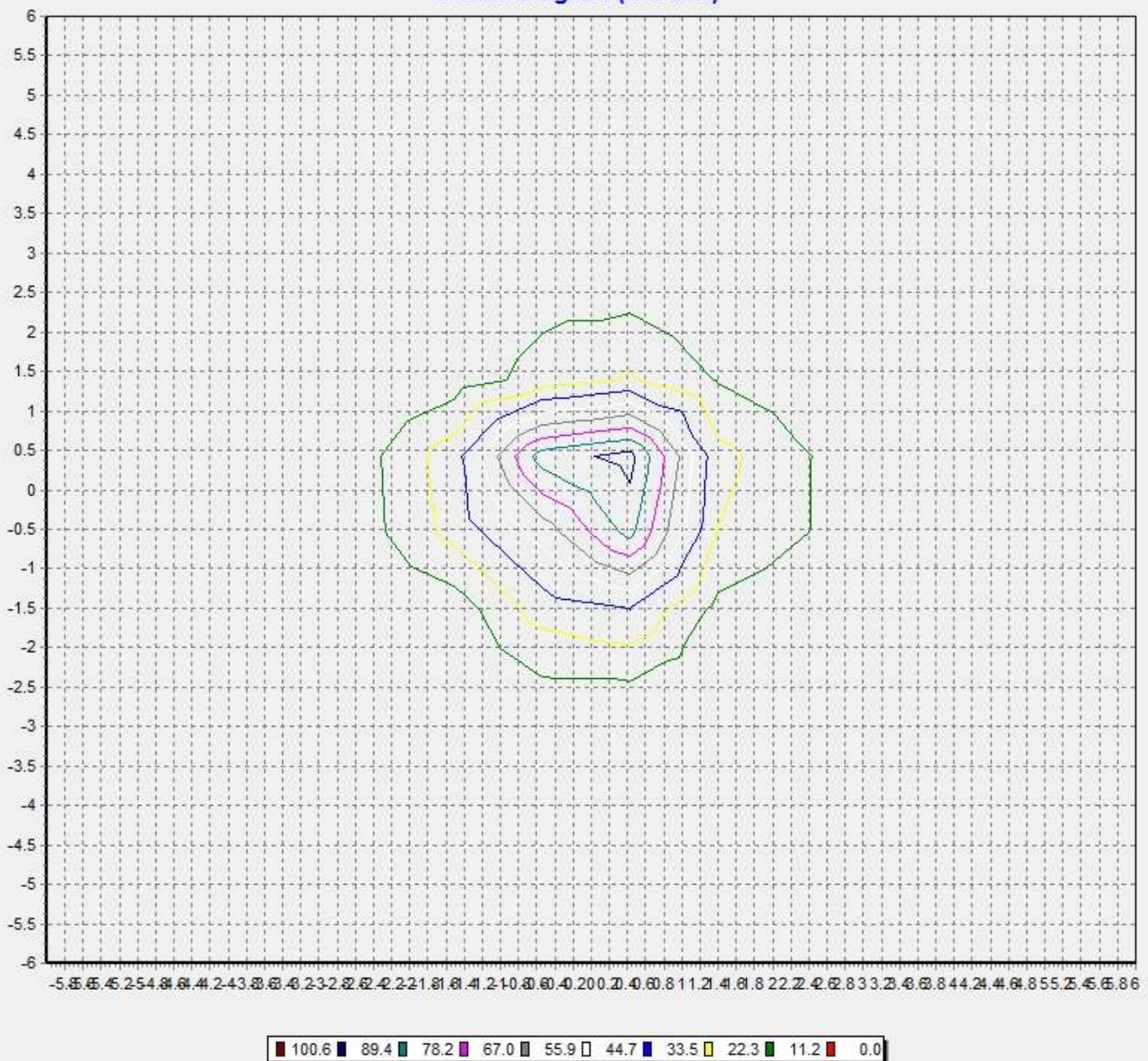
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



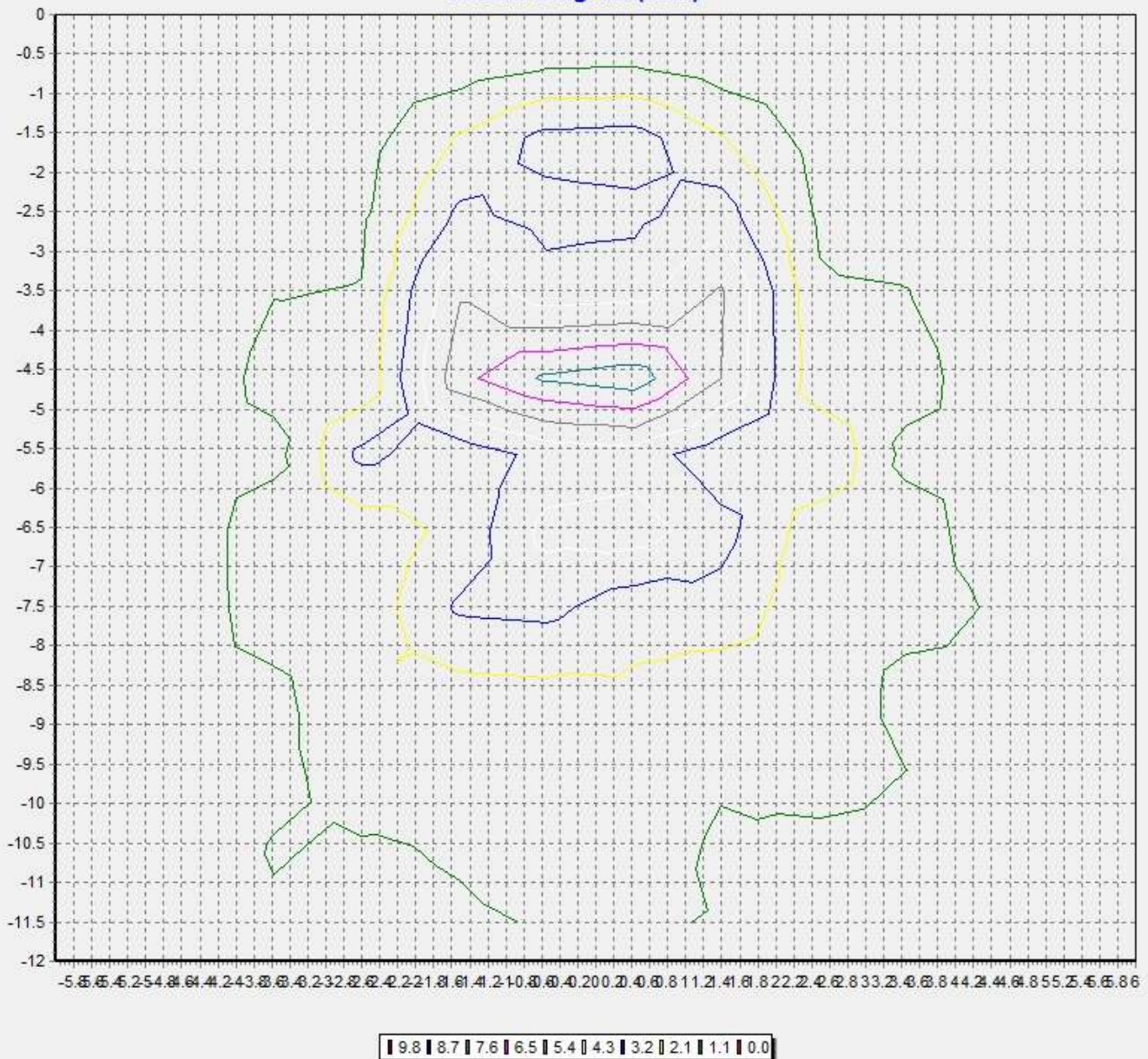
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp	Report	190328
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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

Report

190328

No. of lamps	1	Voltage (V)	23.98	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 DVS4A 40K-24V-SW-WT-45.jdt
Lamp flux (lm)	502	Current (A)	0.192	Operator	CGR
Total flux (lm)	502	Power Factor	1	Date	2019-03-28 오후 2:09:42

Illuminance Levels (Ground)

6.00	0.06	0.09	0.05	0.08	0.10	0.13	0.12	0.12	0.12	0.10	0.07	0.10	0.08
5.00	0.08	0.06	0.09	0.14	0.34	0.44	0.45	0.43	0.42	0.16	0.11	0.09	0.11
4.00	0.05	0.09	0.28	0.44	0.37	0.55	0.59	0.54	0.48	0.50	0.37	0.14	0.09
3.00	0.08	0.12	0.40	0.46	1.61	1.26	1.60	1.53	1.96	0.60	0.59	0.20	0.10
2.00	0.10	0.33	0.36	1.37	1.96	4.04	6.94	5.64	2.70	2.28	0.48	0.44	0.13
1.00	0.09	0.37	0.44	1.20	3.95	19.09	74.99	28.61	5.76	1.67	0.67	0.55	0.15
0.00	0.09	0.39	0.48	1.37	5.39	59.91	100.53	81.65	10.58	2.21	0.76	0.60	0.18
-1.00	0.10	0.37	0.44	1.13	3.77	16.89	61.79	23.67	5.89	1.59	0.67	0.55	0.16
-2.00	0.09	0.30	0.34	1.31	1.72	3.91	8.49	5.76	2.42	2.29	0.43	0.41	0.13
-3.00	0.08	0.10	0.39	0.40	1.66	1.18	1.79	1.47	1.93	0.51	0.57	0.17	0.10
-4.00	0.04	0.08	0.25	0.43	0.35	0.53	0.62	0.53	0.43	0.49	0.32	0.12	0.07
-5.00	0.07	0.06	0.11	0.15	0.31	0.43	0.48	0.42	0.39	0.14	0.10	0.07	0.10
-6.00	0.05	0.08	0.07	0.09	0.11	0.12	0.13	0.13	0.12	0.10	0.06	0.09	0.07
-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.): 101

All illuminance level values are in lux.

Illum. (Min.): 0.04

Illum. Avg.: 3.61

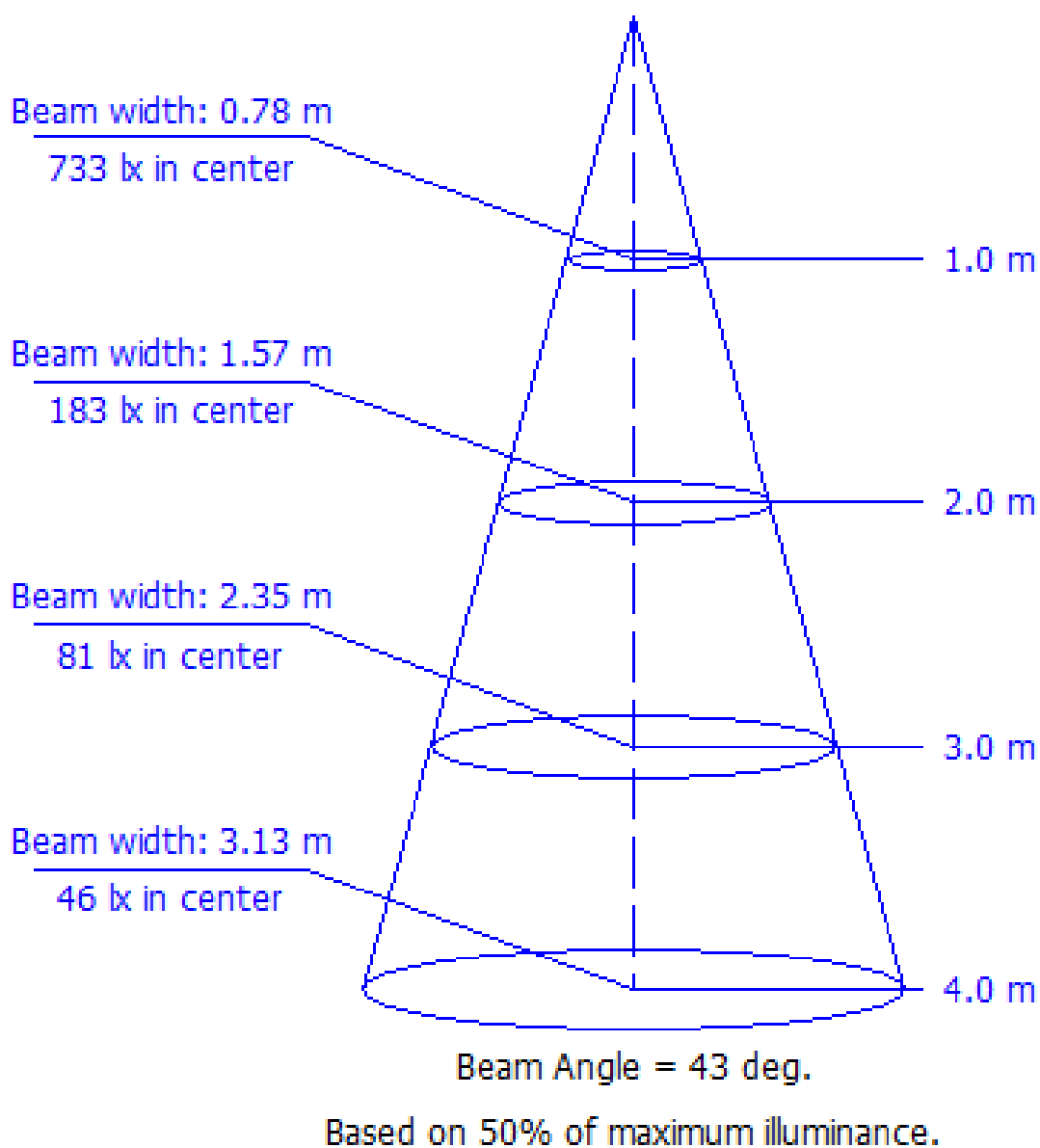
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Luminaire

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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