

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-25

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		0.3882, 0.3878	
Correlated Color Temperature	K	3885	
Ra	-	81.92	
Power Factor	%	1.000	
Input Voltage	V	23.980	
Input Current	A	0.188	
Input Watt	W	4.52	
Lamp Flux	lm	486.6	
Efficient	lm/W	107.94	
Illuminance	lx	1525	1 m
		381	2 m
		169	3 m

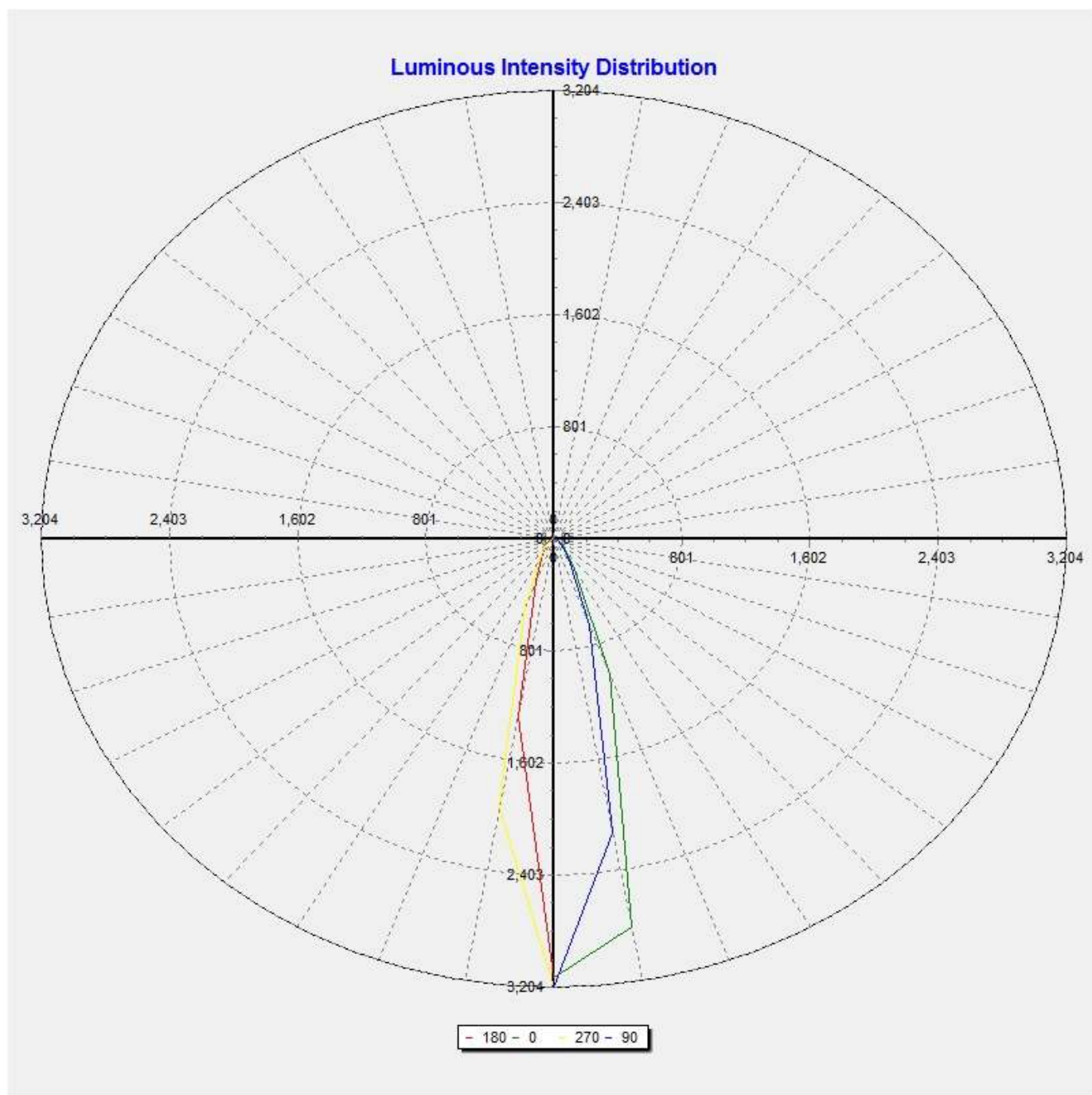
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

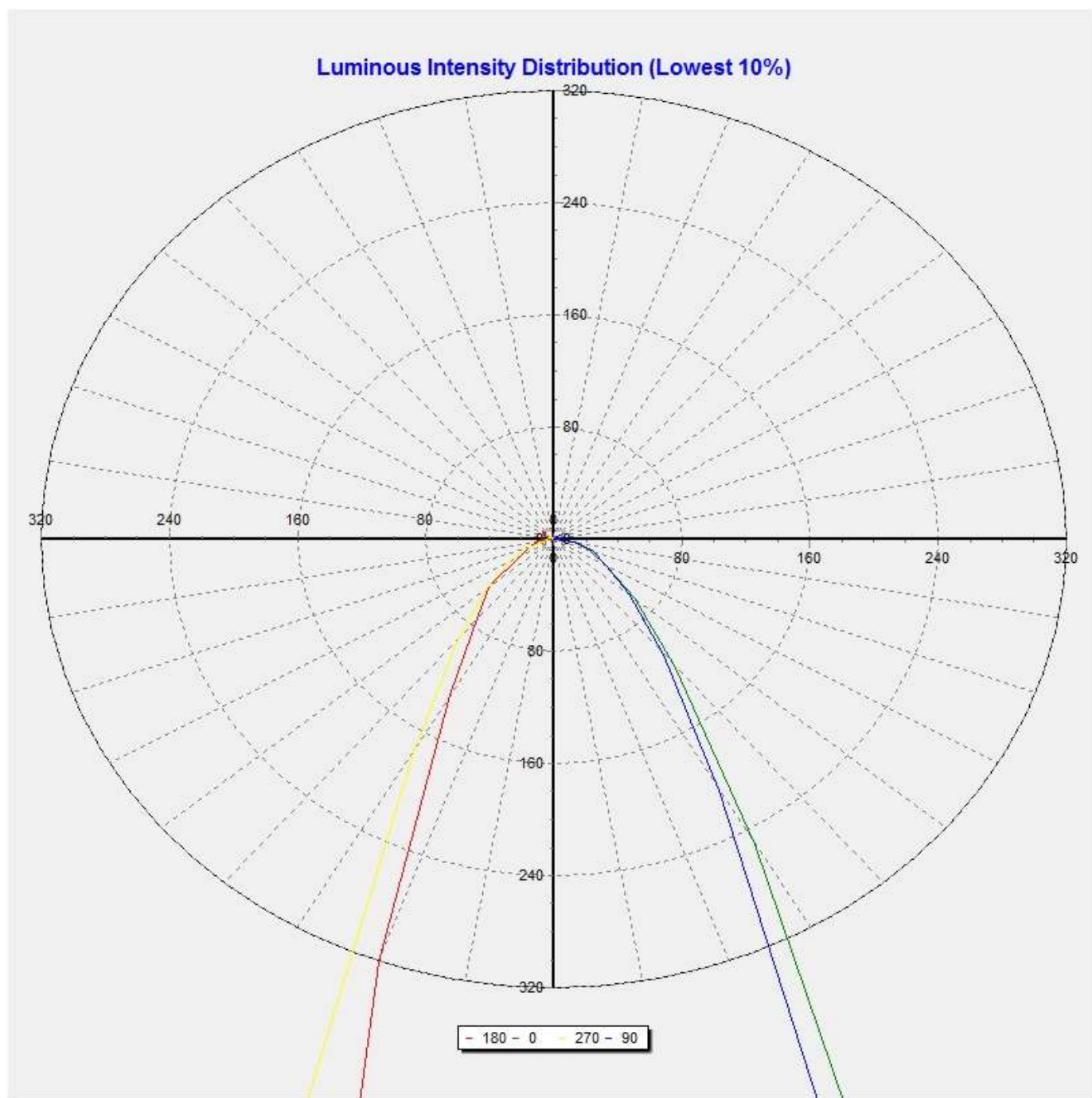
Lamp	Report	190328
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 DVS4A 40K-24V-SW-WT-25.jdt	
Lamp flux (lm)	Operator	Current (A) 0.188 CGR
Total flux (lm)	Date'	Power Factor 1 2019-03-28 오후 1:53:16



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp	Report				190328
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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300
0	1525.16	1522.35	1529.85	1560.81	1573.77	1585.75	1525.16	1522.35	1529.85	1560.81	1573.77
10	1372.25	1298.98	1204.49	1039.95	915.90	799.28	627.45	722.02	788.77	947.28	1094.31
20	500.60	484.35	405.34	319.32	257.19	193.24	156.12	175.31	198.08	250.26	308.82
30	122.15	129.29	120.96	100.99	87.68	75.50	62.82	67.79	75.85	84.60	95.67
40	57.14	58.20	55.74	52.03	46.50	35.99	36.13	36.76	39.77	45.24	46.64
50	32.00	30.88	32.42	29.83	26.61	26.89	25.41	24.01	24.01	26.47	25.83
60	18.69	20.37	20.58	18.41	17.92	15.47	12.04	14.77	14.42	15.89	19.25
70	11.55	11.34	11.27	12.74	8.39	8.81	7.55	8.88	9.44	9.16	13.30
80	6.43	5.66	3.14	6.50	3.98	3.42	4.89	4.33	4.47	2.16	3.35
90	0.48	-2.95	-0.01	-1.13	0.55	4.33	3.35	0.90	0.13	2.23	2.44
100	2.30	0.97	4.05	2.51	-0.43	2.58	-0.50	3.07	-1.20	1.60	-0.50
110	2.02	2.09	3.84	-0.50	-0.15	2.86	0.83	1.88	0.13	0.06	4.82
120	-0.50	0.48	0.90	1.32	-0.29	0.34	3.21	-0.36	1.18	1.46	1.67
130	3.07	-1.62	0.90	1.95	3.42	-0.01	4.12	3.91	0.90	2.79	1.67

Luminaire

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Luminous Intensity Data (Continued)

GWC	330	360
0	1585.75	1525.16
10	1237.90	1372.25
20	379.07	500.60
30	104.57	122.15
40	49.09	57.14
50	30.39	32.00
60	19.32	18.69
70	10.99	11.55
80	4.61	6.43
90	3.91	0.48
100	0.06	2.30
110	-0.78	2.02
120	2.79	-0.50
130	3.35	3.07

Luminaire

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Luminous Flux Table

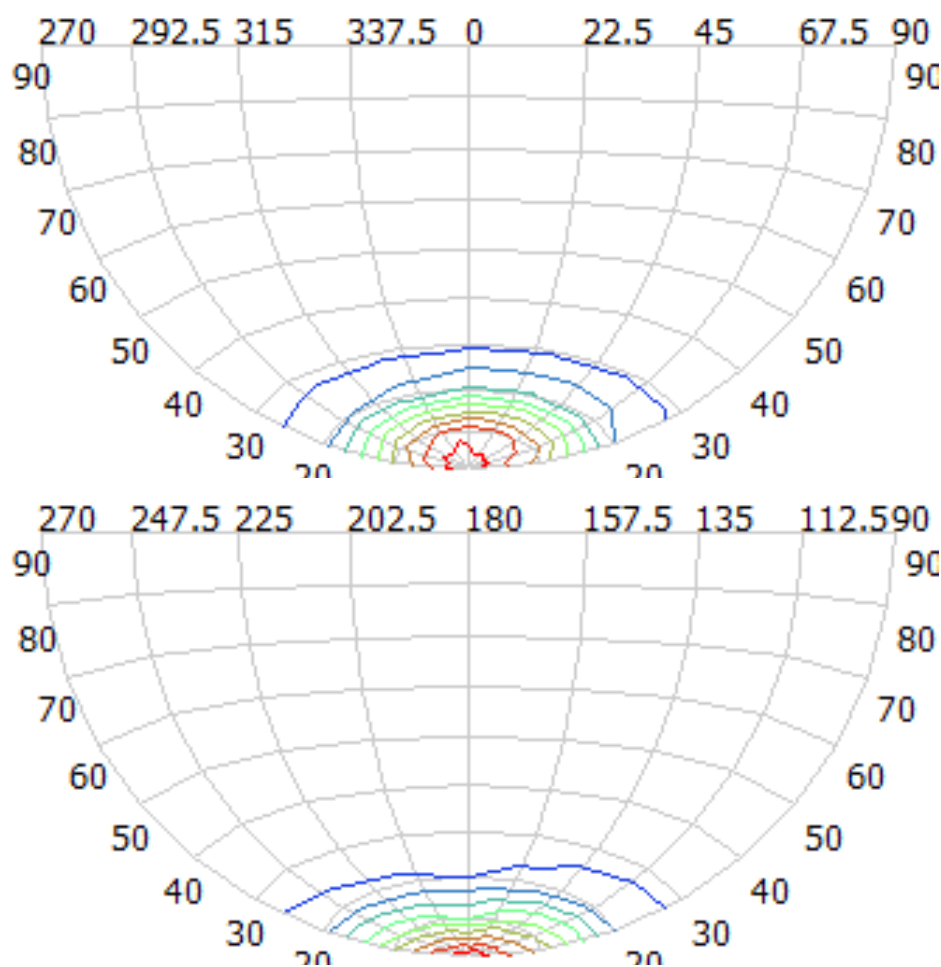
Total Lamp Lumens: 487
 Luminaire Efficiency (lm/W):486.56
 CIE Classification: Direct











Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	37.05	37.05	7.61	7.61
10	190.95	228.01	46.86	46.86
20	113.24	341.25	70.13	70.13
30	51.47	392.72	80.71	80.71
40	32.81	425.53	87.45	87.46
50	23.40	448.93	92.26	92.27
60	16.37	465.30	95.62	95.63
70	10.58	475.89	97.80	97.81
80	4.76	480.64	98.78	98.78
90	1.30	481.94	99.04	99.05
100	1.30	483.25	99.31	99.32
110	1.47	484.71	99.61	99.62
120	0.96	485.67	99.81	99.82
130	0.89	486.56	99.99	100.00

Luminaire

Lamp	Report	190328
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Lamp flux (lm)	Operator	Current (A) 0.188
Total flux (lm)	Date'	Power Factor 1
		2019-03-28 오후 1:53:16

IsoCandela (Type C)

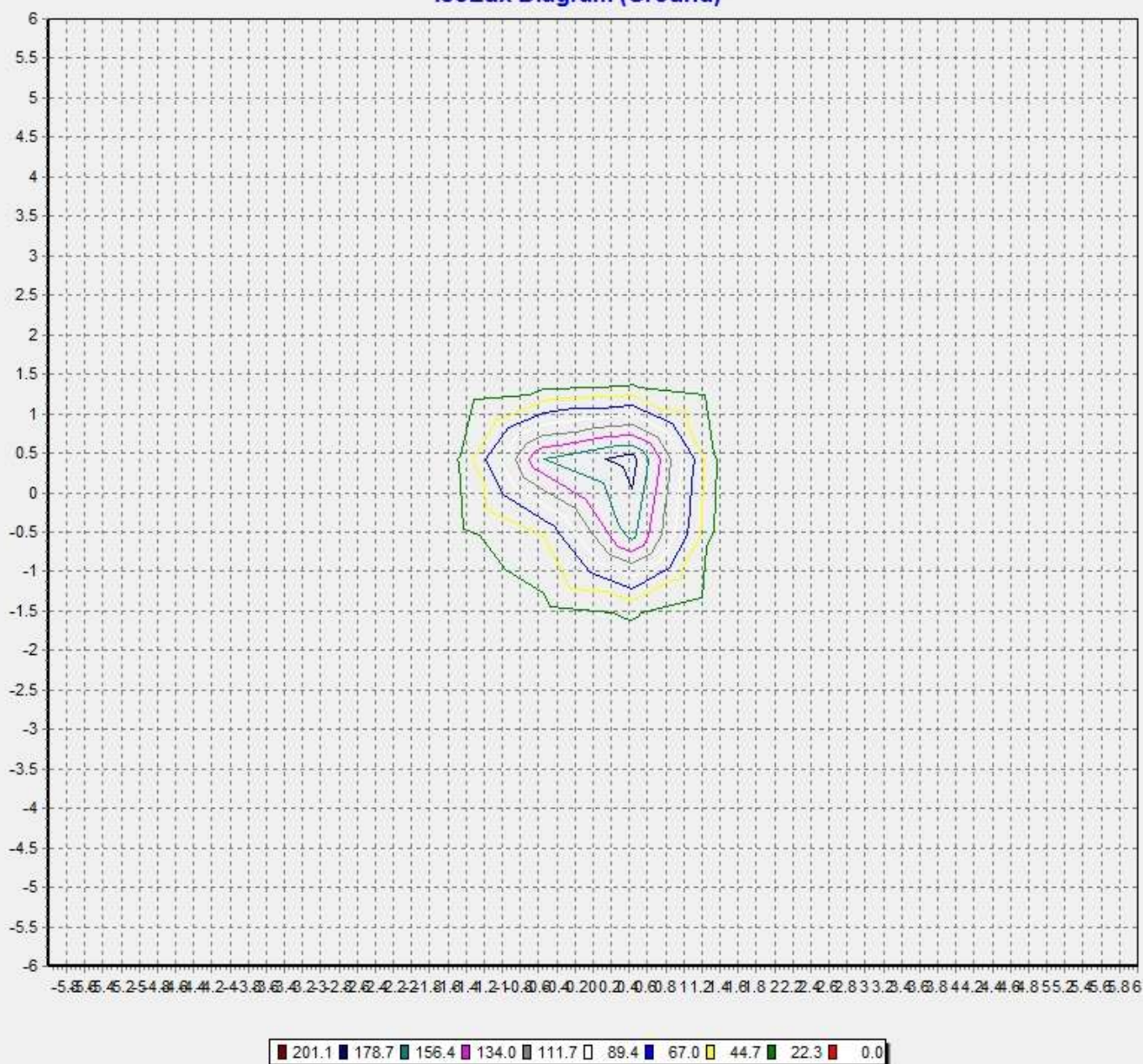


	-3 ~ 156		791 ~ 950
	156 ~ 315		950 ~ 1109
	315 ~ 474		1109 ~ 1268
	474 ~ 633		1268 ~ 1427
	633 ~ 791		1427 ~ 1586

Luminaire

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Lamp flux (lm)	Operator	Current (A) 0.188 CGR
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IsoLux Diagram (Ground)



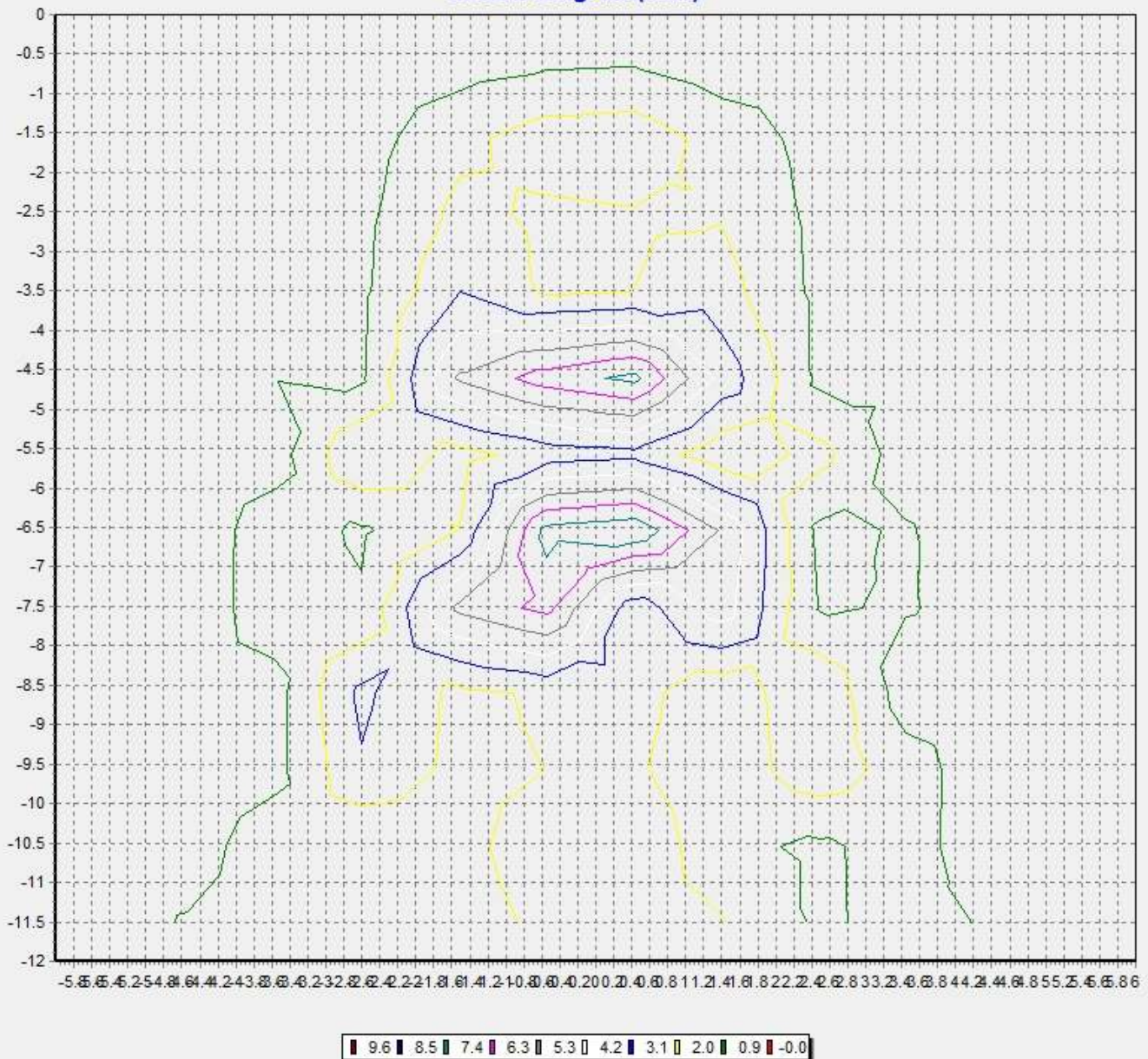
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp	Report	190328
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190328 DVS4A 40K-24V-SW-WT-25.jdt	
Lamp flux (lm)	Operator	Current (A) 0.188 CGR
Total flux (lm)	Date'	Power Factor 1 2019-03-28 오후 1:53:16

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-25.jdt

Lamp flux (lm) 487 Current (A) 0.188

Operator CGR

Total flux (lm) 487 Power Factor 1

Date 2019-03-28 오후 1:53:16

Illuminance Levels (Ground)

6.00	0.06	0.08	0.07	0.08	0.10	0.14	0.14	0.14	0.12	0.09	0.07	0.09	0.07
5.00	0.07	0.07	0.11	0.16	0.30	0.41	0.41	0.40	0.34	0.16	0.11	0.08	0.09
4.00	0.05	0.09	0.26	0.40	0.36	0.53	0.55	0.52	0.41	0.44	0.29	0.11	0.07
3.00	0.07	0.12	0.37	0.44	1.31	1.08	1.41	1.23	1.43	0.48	0.44	0.15	0.09
2.00	0.09	0.29	0.35	1.00	1.62	3.05	4.91	3.79	1.85	1.45	0.41	0.34	0.12
1.00	0.09	0.33	0.40	1.03	2.93	13.35	115.00	20.22	3.80	1.22	0.52	0.40	0.13
0.00	0.09	0.34	0.42	1.13	3.23	69.25	209.21	152.04	5.67	1.52	0.58	0.44	0.14
-1.00	0.10	0.33	0.40	0.94	2.37	8.48	104.61	12.85	3.06	1.07	0.52	0.40	0.13
-2.00	0.08	0.26	0.29	0.97	1.31	2.40	4.19	3.02	1.51	1.26	0.38	0.30	0.12
-3.00	0.07	0.10	0.34	0.34	1.02	0.93	1.24	1.02	1.16	0.42	0.41	0.15	0.10
-4.00	0.05	0.08	0.22	0.33	0.30	0.42	0.48	0.41	0.37	0.36	0.24	0.11	0.07
-5.00	0.06	0.05	0.09	0.12	0.26	0.33	0.36	0.32	0.29	0.13	0.10	0.07	0.09
-6.00	0.05	0.07	0.06	0.07	0.09	0.11	0.11	0.11	0.11	0.10	0.06	0.08	0.06
-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.): 200

All illuminance level values are in lux.

Illum. (Min.): 0.05

Illum. Avg.: 4.76

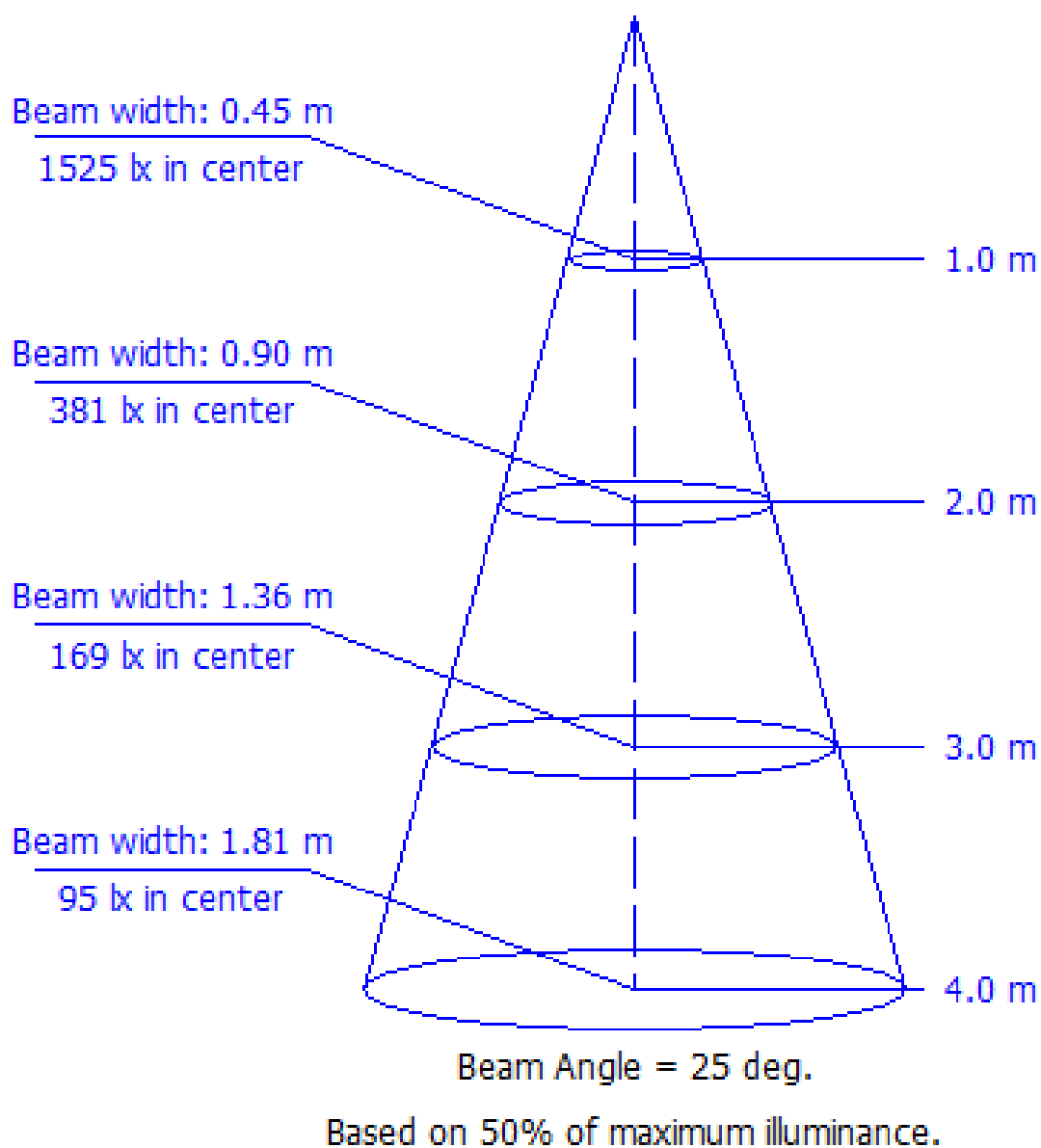
Total Optical Solution Provider

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

Luminaire

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Illuminance Cone Diagram





Luminaire

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Lamp flux (lm)	487	Current (A)	0.188	Operator	CGR
Total flux (lm)	487	Power Factor	1	Date	2019-03-28 오후 1:53:16

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