

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 : 190415

2. Purpose of Report :

3. Test Standard / Item : LED / 190415 LP50 2.7-40K-900mA-30

4. Test Period : 190415 ~ 190415

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
190415	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3834, 0.3908	
Correlated Color Temperature	K	4023	
Ra	-	96.28	
Power Factor	%	1.000	
Input Voltage	V	3.380	
Input Current	A	0.897	
Input Watt	W	3.03	
Lamp Flux	lm	203	
Efficient	lm/W	66.96	
Illuminance	lx	573	1 m
		143	2 m
		64	3 m

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

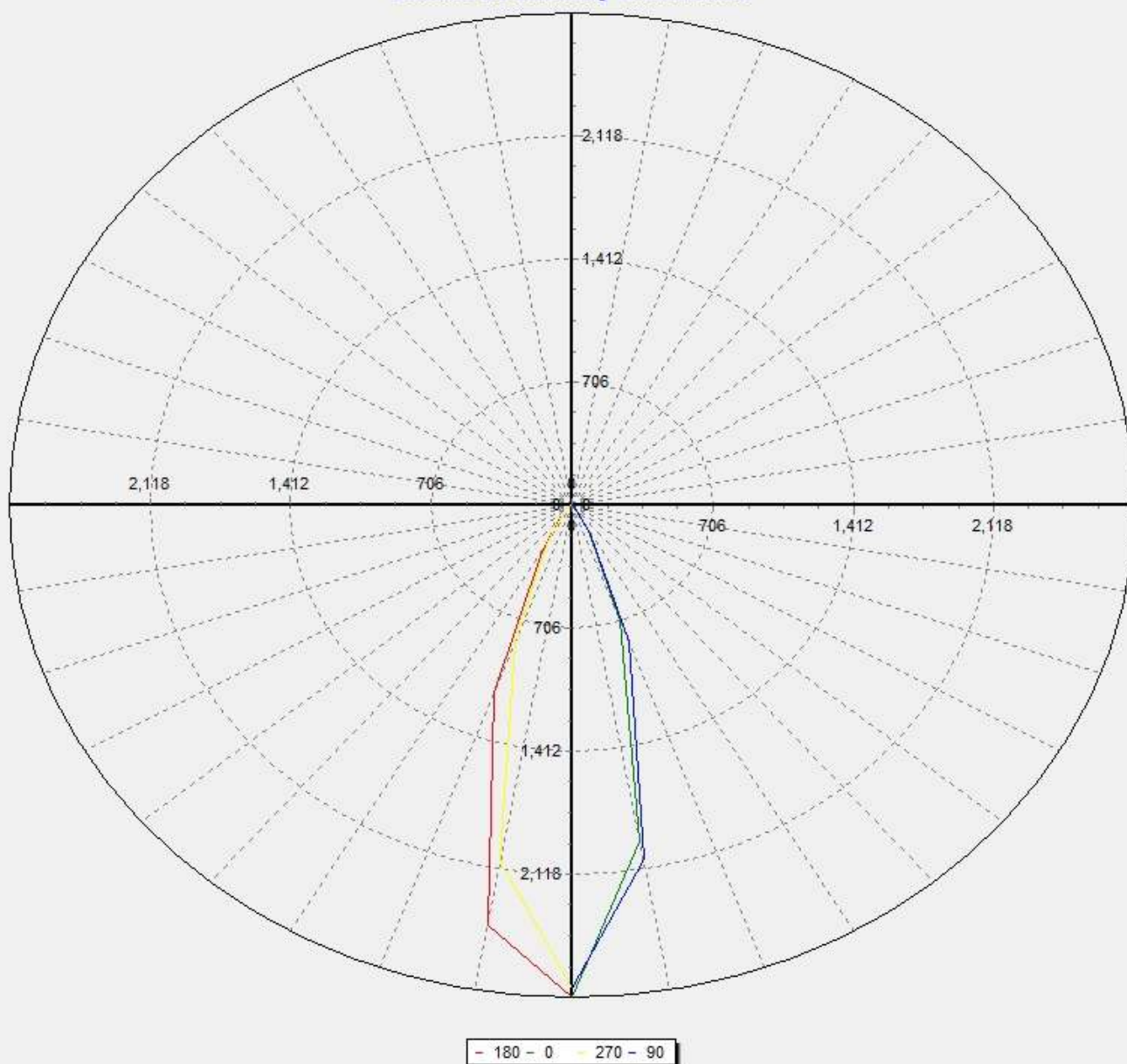
Sample photo

Click to load image

Luminaire

Lamp	Report	190415
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LP50 2.7-40K-900mA-30.jdt	
Lamp flux (lm)	2(Operator	Current (A) 0.897 CGR
Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 2:50:18

Luminous Intensity Distribution

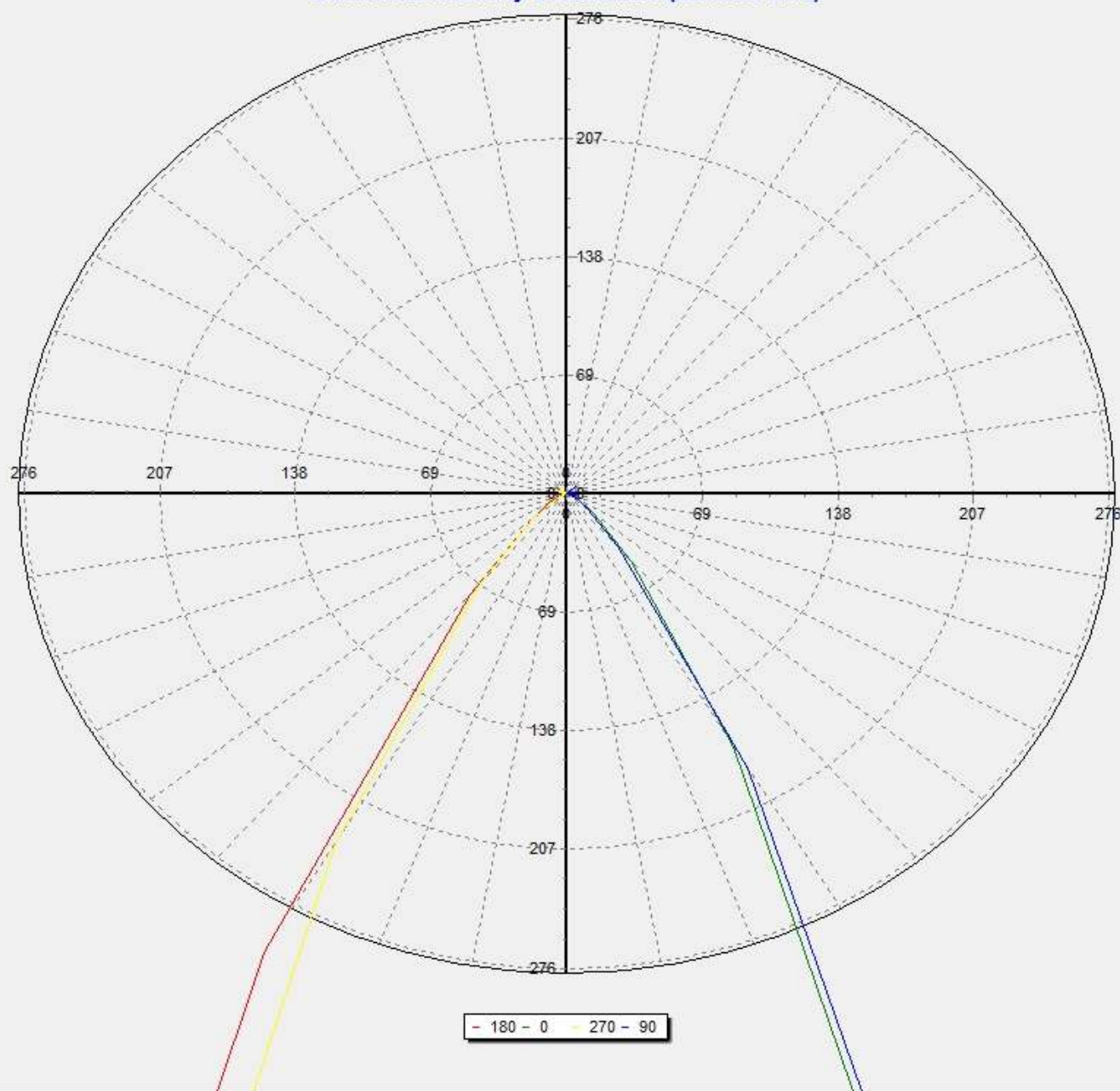


All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp	Report	190415
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LP50 2.7-40K-900mA-30.jdt	
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Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 2:50:18

Luminous Intensity Distribution (Lowest 10%)



All luminous intensity values are in Cd/KLm unit.

Luminaire

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Lamp flux (lm)	2(Operator	Current (A)	0.897	CGR
Total flux (lm)	2(Date	Power Factor	1	2019-04-15 오후 2:50:18

Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300	330	360
0	573.20	569.65	567.66	563.04	557.36	554.70	573.20	569.65	567.66	563.04	557.36	554.70	573.20
10	396.91	384.31	400.97	418.38	460.32	487.61	496.18	492.68	456.91	419.85	385.59	368.56	396.91
20	143.28	129.40	150.41	168.75	207.47	233.43	233.06	228.97	201.34	169.73	142.73	126.40	143.28
30	34.48	28.82	33.85	37.51	54.30	57.18	62.52	62.52	57.18	47.66	39.33	34.60	34.48
40	10.37	8.38	8.32	8.18	11.92	14.75	15.55	18.76	16.24	13.59	11.16	10.33	10.37
50	3.52	3.58	3.01	2.74	2.85	4.38	4.71	5.91	5.02	4.46	3.61	3.54	3.52
60	1.37	1.61	0.99	1.41	1.14	2.34	2.01	2.36	2.19	1.40	1.37	1.68	1.37
70	0.71	0.57	1.06	0.38	0.97	1.15	0.66	1.67	1.22	0.15	0.48	0.78	0.71
80	0.17	-0.14	-0.02	0.86	0.27	0.39	0.53	0.26	0.76	0.14	-0.12	0.79	0.17
90	0.09	0.10	-0.01	-0.20	-0.46	0.63	0.27	0.69	-0.33	0.44	-0.22	-0.77	0.09
100	-0.05	-0.37	0.37	1.09	-0.44	0.52	0.29	-0.28	-0.16	0.03	0.00	0.35	-0.05
110	0.67	0.51	0.08	0.33	0.55	0.54	0.32	-0.18	0.88	1.08	0.22	0.06	0.67
120	-0.36	0.43	0.29	0.06	0.30	-0.39	-0.02	0.97	-0.12	0.38	0.06	0.93	-0.36
130	0.77	0.87	0.78	1.27	0.22	0.51	1.21	0.62	0.83	0.76	0.38	0.81	0.77

Luminaire

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Lamp flux (lm)	2(Operator	Current (A) 0.897 CGR
Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 2:50:18

Luminous Flux Table

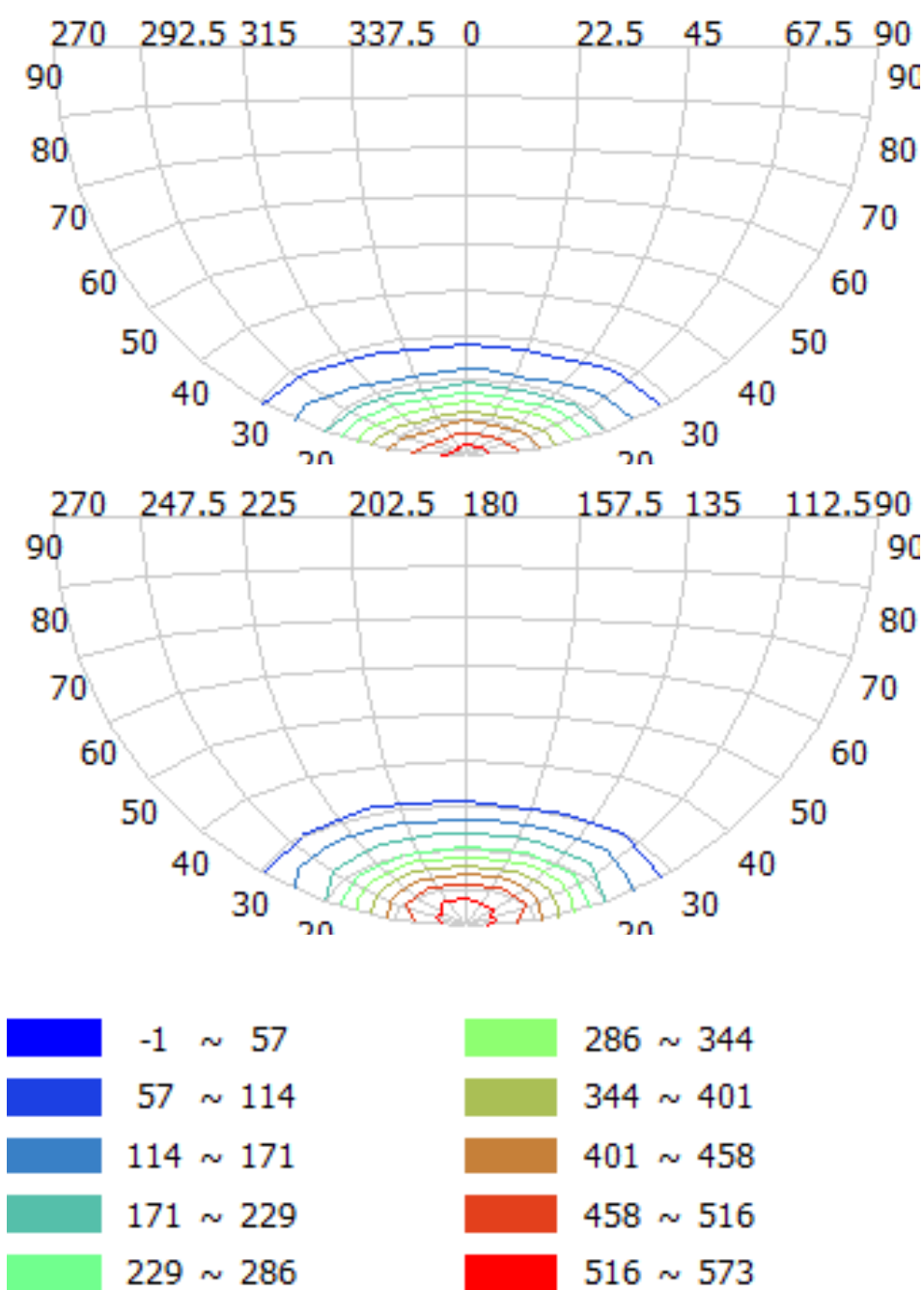
Total Lamp Lumens: 203
 Luminaire Efficiency (lm/W):202.97
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	13.49	13.49	6.65	6.65
10	81.91	95.40	47.00	47.00
20	66.64	162.05	79.83	79.84
30	25.10	187.14	92.19	92.20
40	8.66	195.80	96.45	96.47
50	3.31	199.11	98.08	98.10
60	1.57	200.68	98.86	98.87
70	0.84	201.52	99.27	99.28
80	0.35	201.87	99.44	99.46
90	0.02	201.89	99.45	99.47
100	0.12	202.01	99.51	99.53
110	0.43	202.44	99.73	99.74
120	0.20	202.65	99.83	99.84
130	0.33	202.97	99.99	100.00

Luminaire

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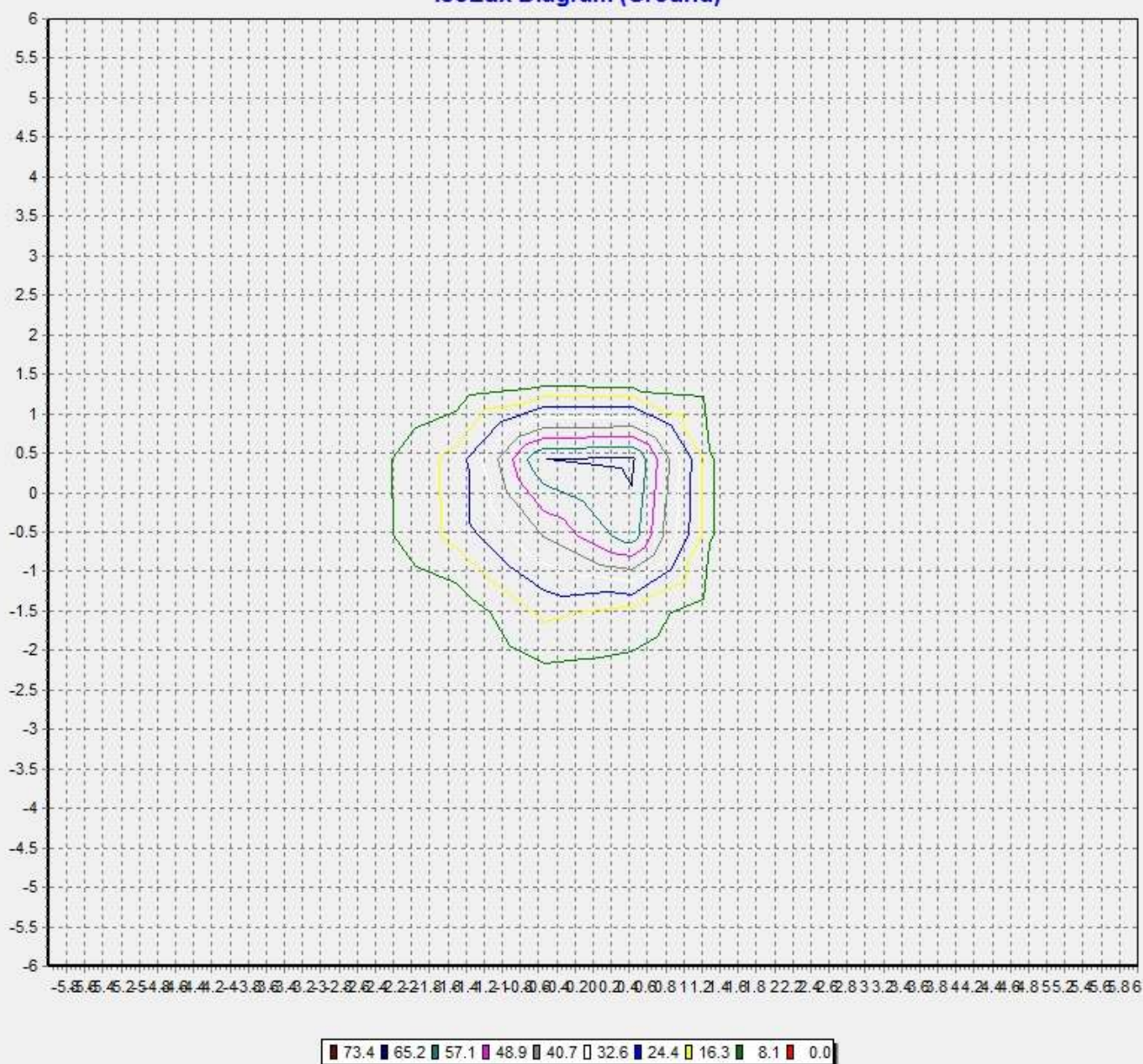
IsoCandela (Type C)



Luminaire

Lamp	Report	190415
No. of lamps	Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LP50 2.7-40K-900mA-30.jdt	
Lamp flux (lm)	2(Operator	Current (A) 0.897 CGR
Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 2:50:18

IsoLux Diagram (Ground)



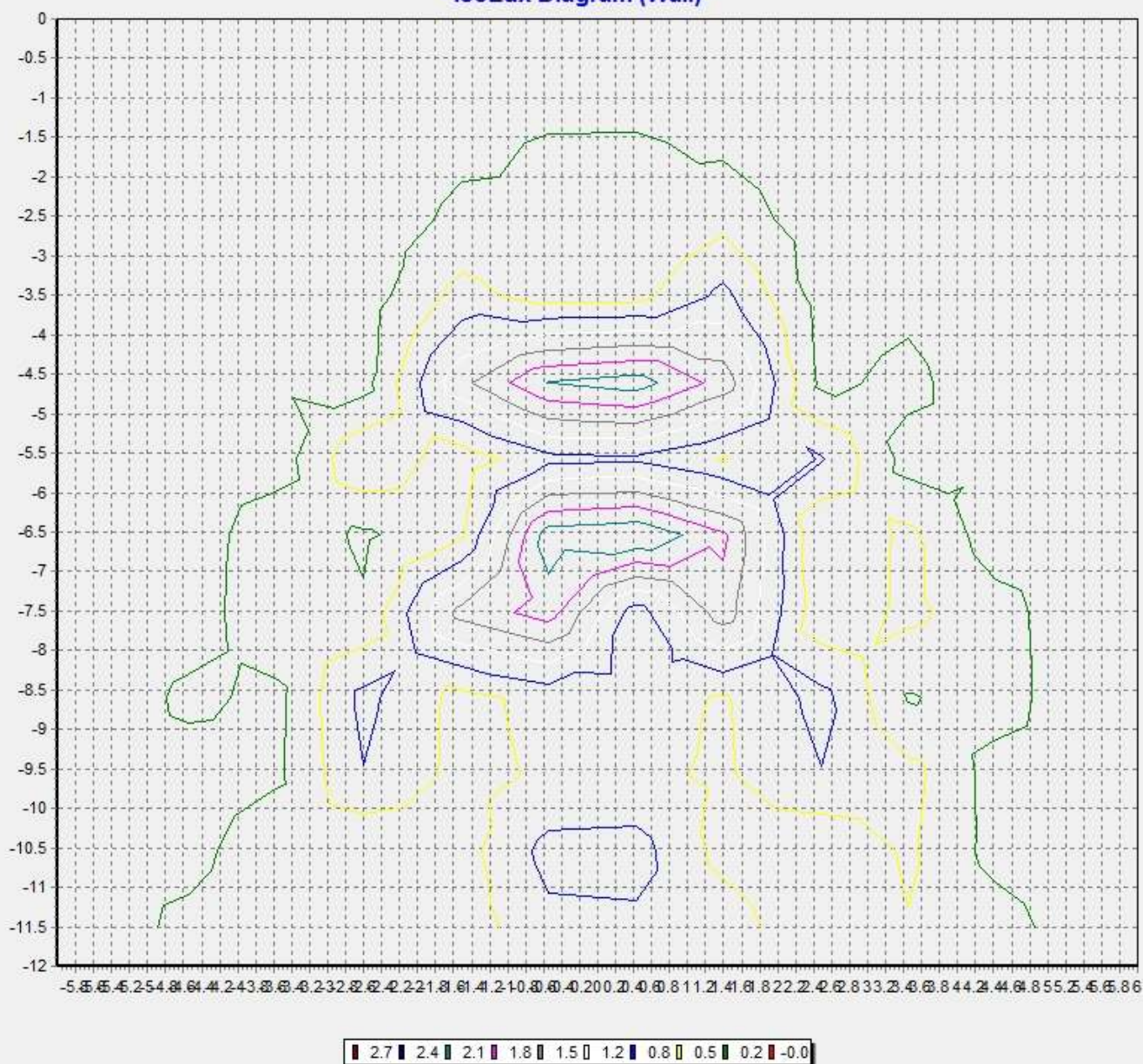
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp	Report	190415
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Total flux (lm)	2(Date	Power Factor 1 2019-04-15 오후 2:50:18

IsoLux Diagram (Wall)



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

Luminaire

Lamp

Report

190415

No. of lamps	1	Voltage (V)	3.38	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190415 LP50 2.7-40K-900mA-30.jdt
Lamp flux (lm)	203	Current (A)	0.897	Operator	CGR
Total flux (lm)	203	Power Factor	1	Date	2019-04-15 오후 2:50:18

Illuminance Levels (Ground)

6.00	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
5.00	0.01	0.00	0.01	0.01	0.03	0.04	0.04	0.04	0.03	0.01	0.01	0.00	0.01
4.00	0.01	0.01	0.02	0.04	0.03	0.04	0.05	0.04	0.03	0.04	0.03	0.01	0.00
3.00	0.01	0.02	0.05	0.04	0.20	0.12	0.16	0.14	0.20	0.04	0.05	0.01	0.01
2.00	0.01	0.03	0.03	0.33	0.25	0.81	1.31	0.57	0.26	0.24	0.03	0.04	0.01
1.00	0.01	0.06	0.07	0.15	0.87	7.57	46.41	5.37	0.59	0.14	0.05	0.04	0.01
0.00	0.01	0.06	0.07	0.28	2.27	55.17	78.63	43.97	1.33	0.20	0.05	0.05	0.01
-1.00	0.01	0.06	0.07	0.23	1.25	9.75	46.58	6.68	0.76	0.15	0.05	0.04	0.01
-2.00	0.01	0.06	0.05	0.37	0.44	1.26	1.81	0.78	0.32	0.24	0.03	0.04	0.01
-3.00	0.01	0.01	0.07	0.06	0.38	0.23	0.26	0.16	0.31	0.04	0.05	0.01	0.00
-4.00	0.01	0.01	0.04	0.07	0.05	0.06	0.06	0.06	0.03	0.06	0.03	0.01	0.00
-5.00	0.01	0.01	0.01	0.02	0.06	0.06	0.06	0.06	0.04	0.01	0.00	0.00	0.01
-6.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00
-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.): 78.6

All illuminance level values are in lux.

Illum. (Min.): 0.00

Illum. Avg.: 1.91

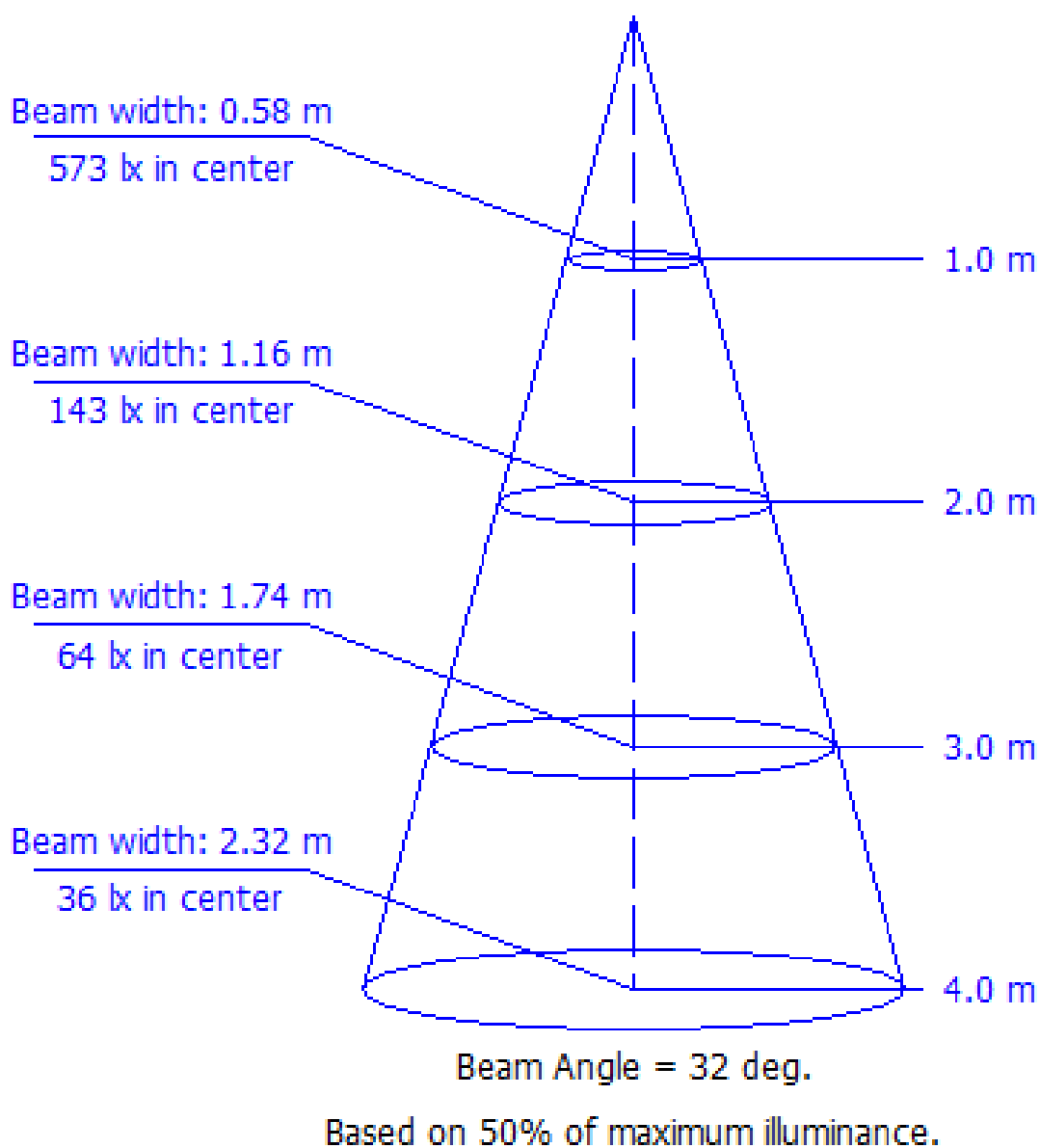
Total Optical Solution Provider


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

Luminaire

Lamp	Report			190415
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Illuminance Cone Diagram



Luminaire

Lamp

Report

190415

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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