

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 : 190412

2. Purpose of Report :

3. Test Standard / Item : LED / 190412 LS60 40K-24V-C90-20

4. Test Period : 190412 ~ 190412

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
190412	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3918, 0.3935	
Correlated Color Temperature	K	3838	
Ra	-	91.21	
Power Factor	%	1.000	
Input Voltage	V	23.960	
Input Current	A	0.248	
Input Watt	W	5.94	
Lamp Flux	lm	380.6	
Efficient	lm/W	64.05	
Illuminance	lx	1153	1 m
		288	2 m
		128	3 m

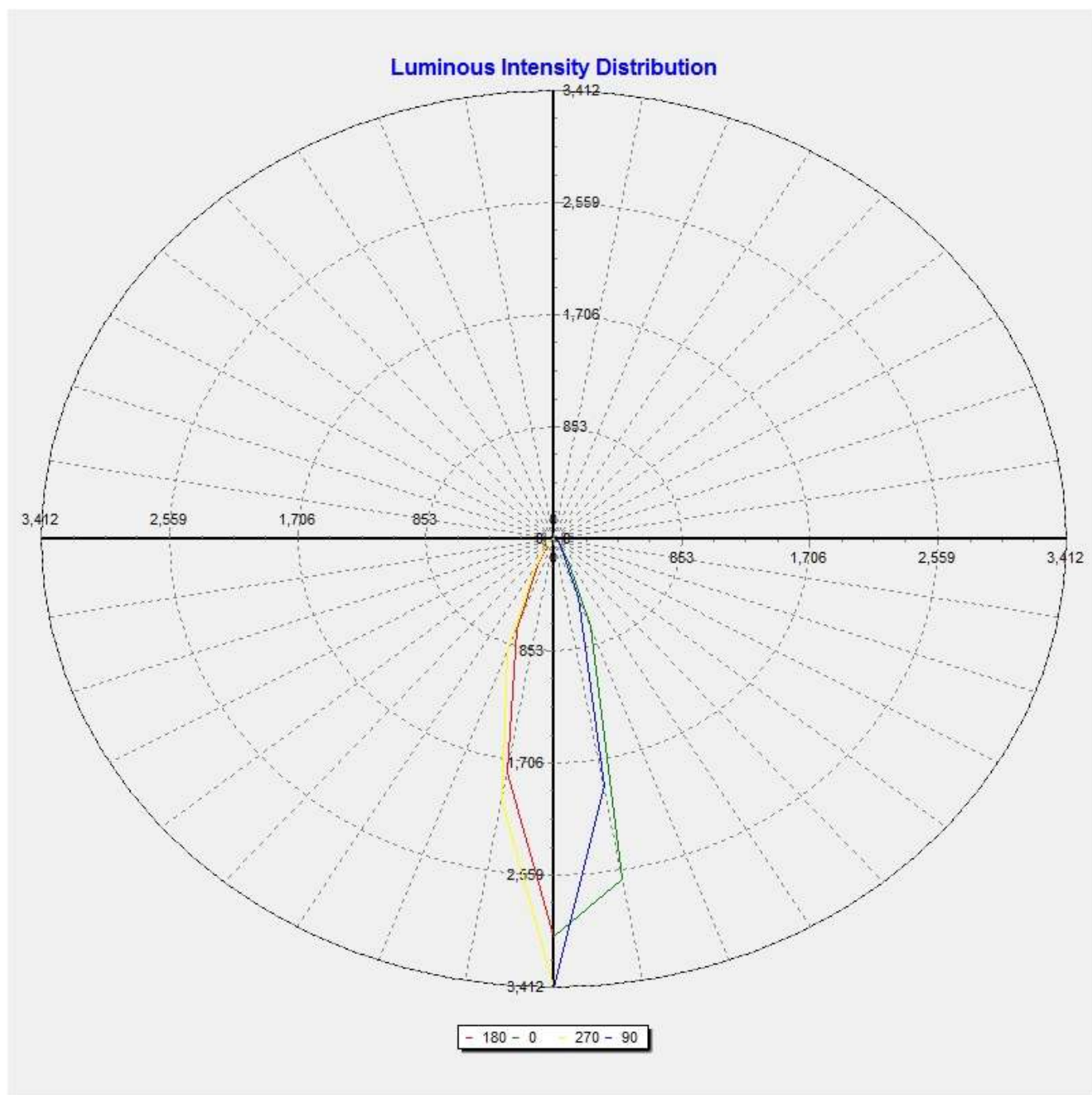
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

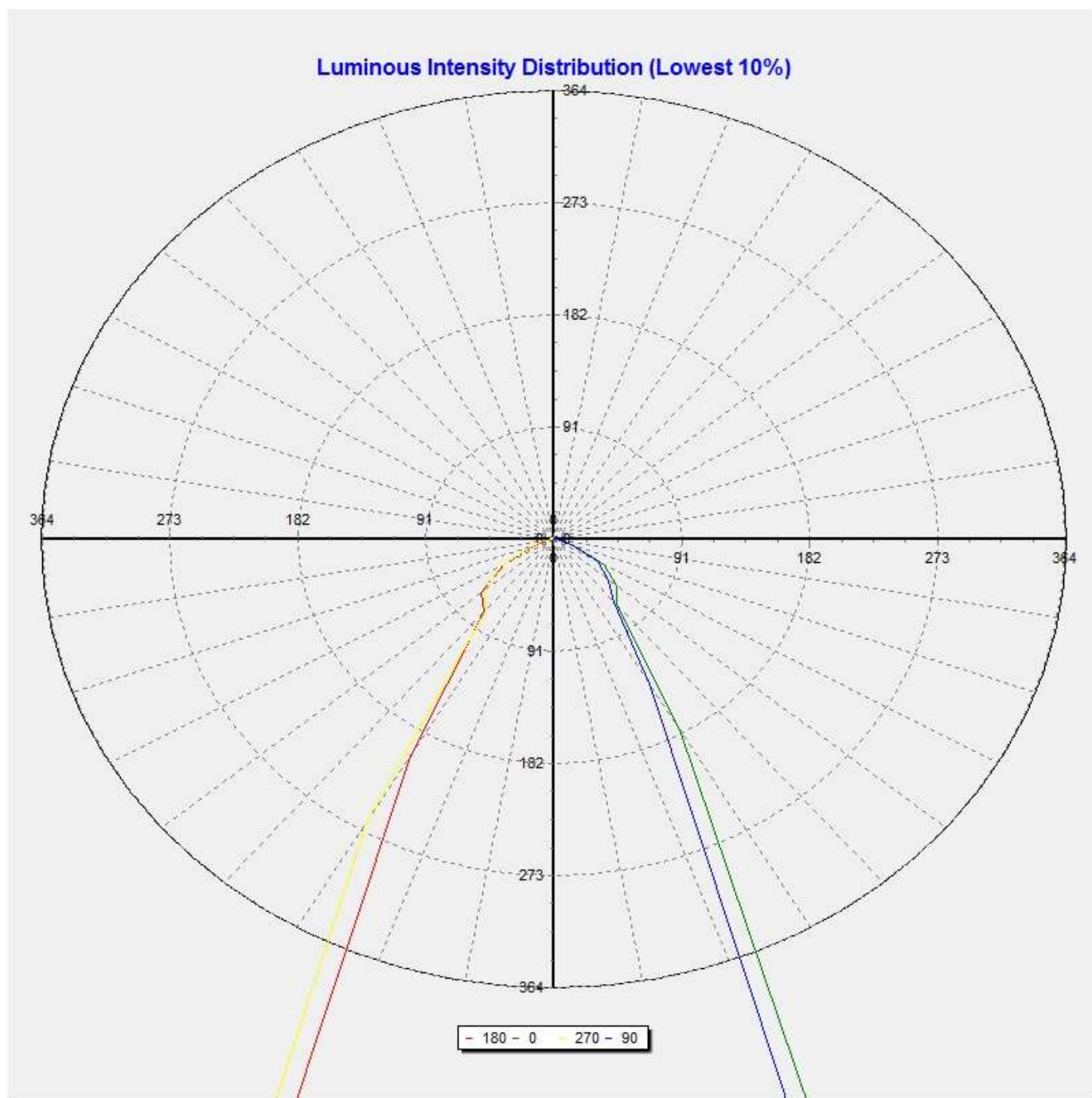
Lamp	Report	190412
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190412 LS60 40K-24V-C90-20.jdt	
Lamp flux (lm)	381 Operator	Current (A) 0.248 CGR
Total flux (lm)	381 Date	Power Factor 1 2019-04-12 오전 9:36:06



All luminous intensity values are in Cd/Klm unit.

Luminaire

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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300
0	1152.99	1392.88	1128.13	1301.17	1188.21	1164.53	1152.99	1392.88	1128.13	1301.17	1188.21
10	1003.79	825.96	842.97	731.01	840.62	768.24	689.01	715.77	687.79	767.97	742.84
20	270.38	210.45	186.24	183.04	240.26	297.10	276.98	324.05	351.21	348.26	285.66
30	68.18	55.07	52.74	51.69	62.07	79.62	77.61	92.11	103.78	100.42	77.68
40	26.45	25.97	24.88	25.48	25.92	27.40	29.22	28.40	29.37	28.06	26.41
50	22.21	20.84	20.05	19.57	21.86	22.77	25.75	26.72	26.85	24.84	22.22
60	15.83	14.86	14.35	13.71	13.93	16.81	15.29	17.05	16.82	16.69	15.16
70	6.83	5.33	3.89	4.95	5.05	5.95	5.02	6.15	6.53	6.36	5.14
80	2.12	1.69	1.66	1.91	2.34	2.32	1.90	2.25	2.05	2.51	2.65
90	0.30	-0.22	-0.21	0.60	1.02	0.01	-0.22	0.05	0.19	0.10	-0.46
100	0.07	0.20	-0.21	0.17	0.58	0.22	0.91	0.14	0.15	0.51	-0.40
110	0.14	0.12	0.04	0.27	0.06	0.19	0.56	0.29	-0.26	0.43	0.05
120	0.43	0.48	0.58	-0.10	0.61	0.45	0.71	0.47	0.40	-0.30	0.35
130	0.30	1.40	1.37	1.05	1.34	0.67	0.83	0.84	0.47	0.85	1.35

Luminaire

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Luminous Intensity Data (Continued)

GWC	330	360
0	1164.53	1152.99
10	804.29	1003.79
20	227.70	270.38
30	61.48	68.18
40	24.80	26.45
50	21.50	22.21
60	13.32	15.83
70	4.12	6.83
80	1.36	2.12
90	0.88	0.30
100	-0.23	0.07
110	0.75	0.14
120	0.33	0.43
130	1.12	0.30

Luminaire

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Luminous Flux Table

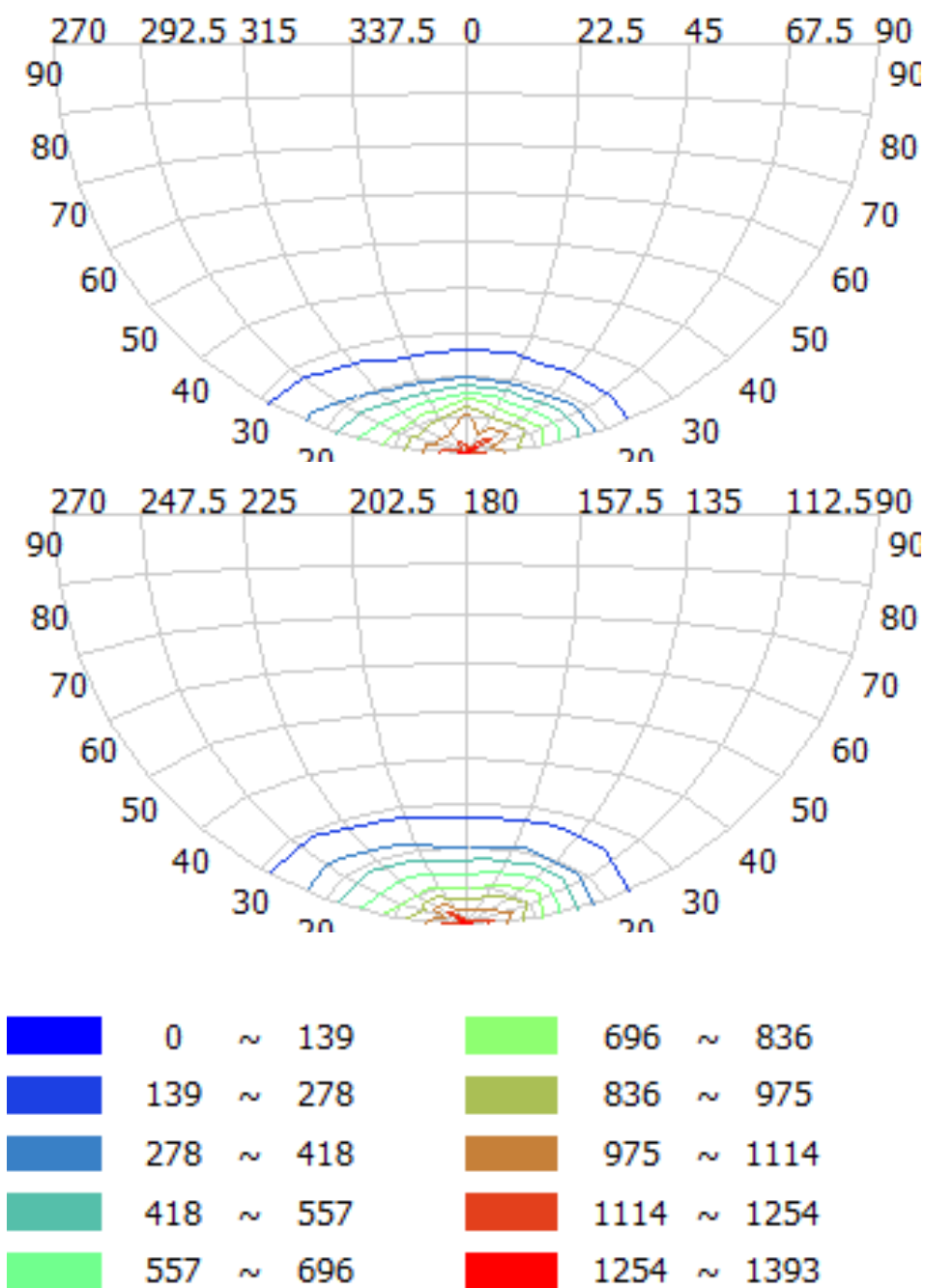
Total Lamp Lumens: 381
 Luminaire Efficiency (lm/W):380.58
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	29.20	29.20	7.67	7.67
10	149.30	178.50	46.90	46.90
20	99.93	278.43	73.16	73.16
30	40.27	318.70	83.74	83.74
40	18.91	337.61	88.71	88.71
50	19.24	356.85	93.76	93.77
60	14.53	371.38	97.58	97.58
70	5.60	376.98	99.05	99.05
80	2.23	379.21	99.63	99.64
90	0.19	379.40	99.68	99.69
100	0.19	379.59	99.73	99.74
110	0.23	379.81	99.79	99.80
120	0.35	380.16	99.88	99.89
130	0.42	380.58	100.00	100.00

Luminaire

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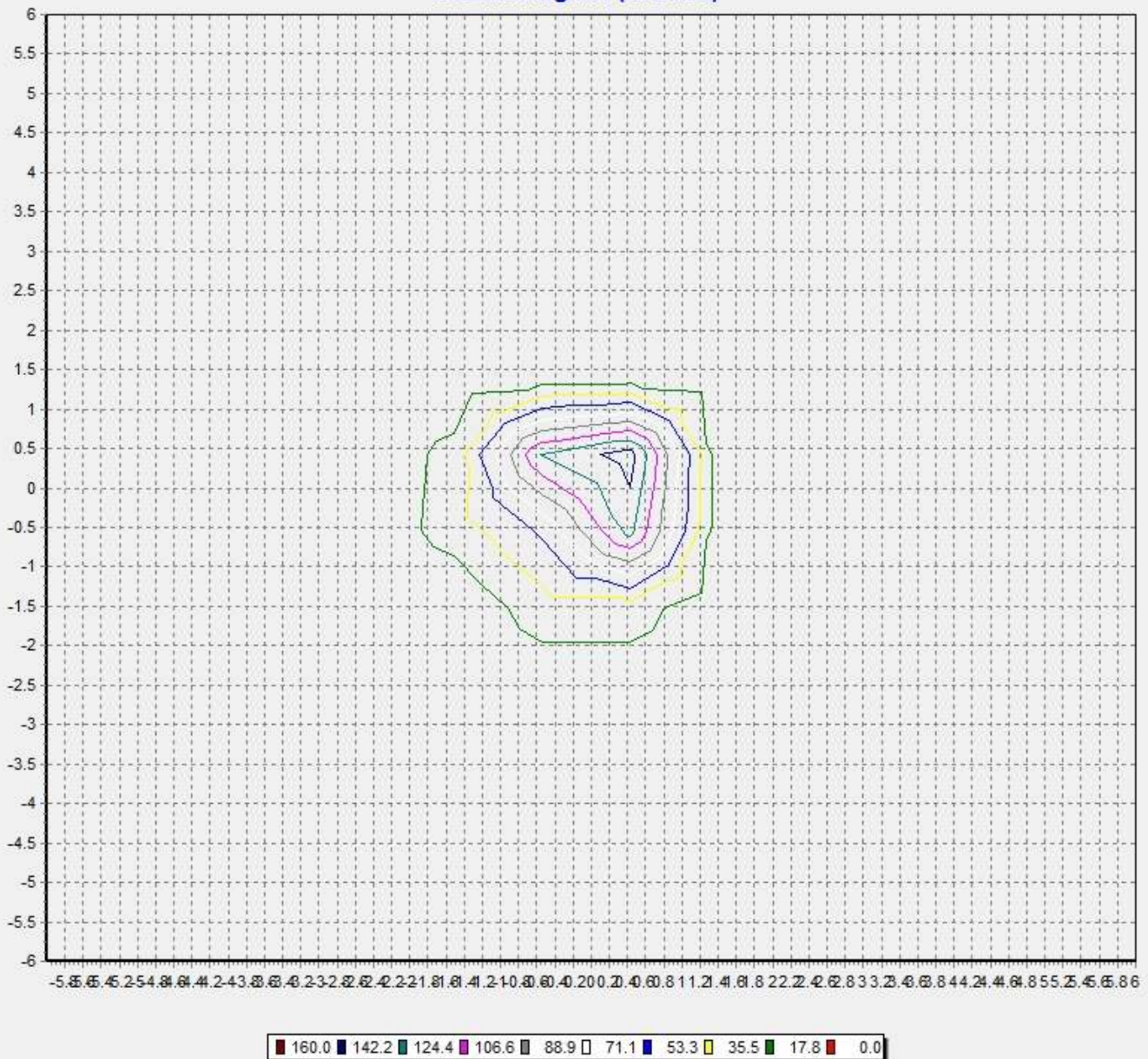
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



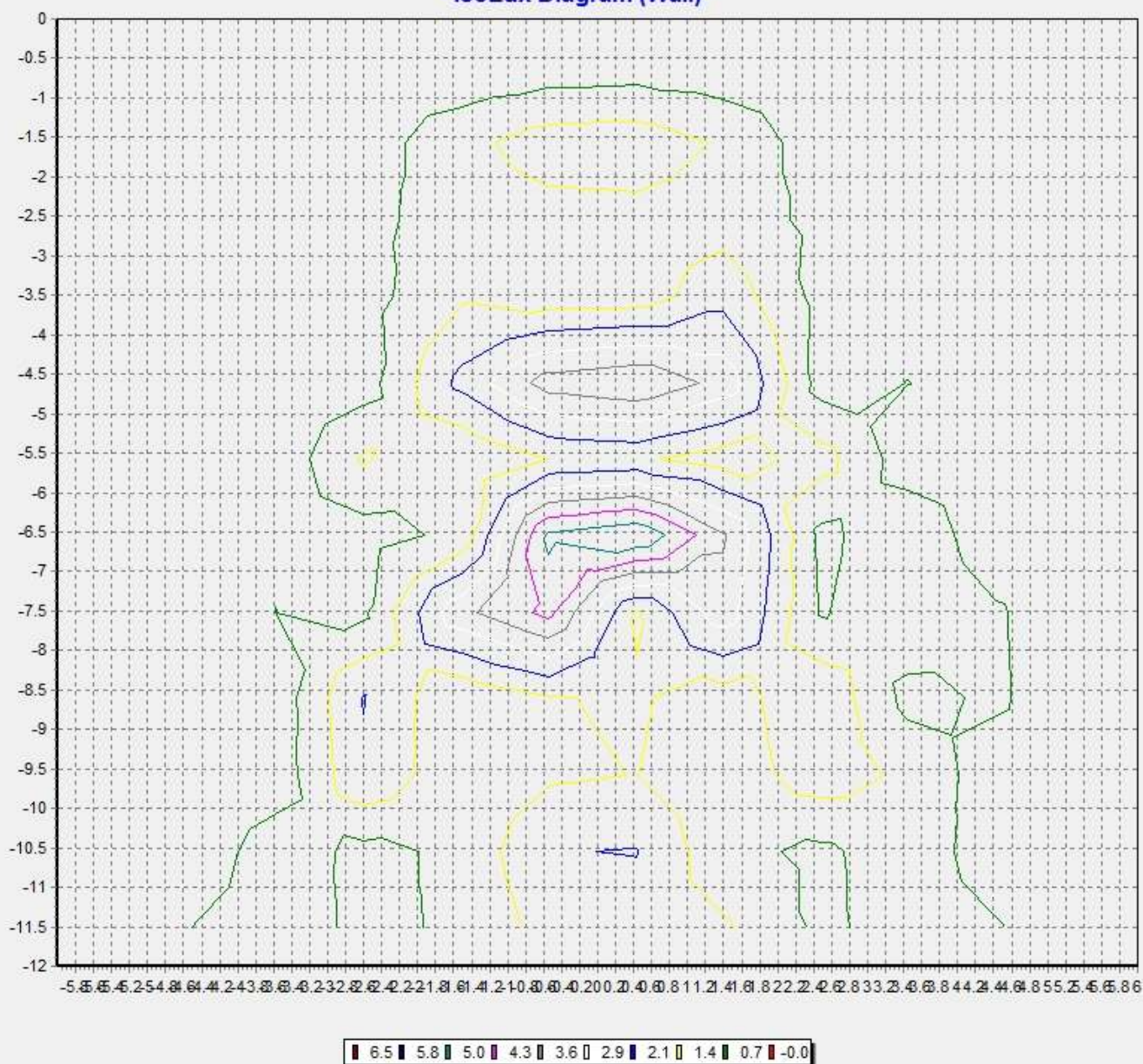
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

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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)	23.96
Lamp flux (lm)	381	Current (A)	0.248
Total flux (lm)	381	Power Factor	1

Report

190412

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190412 LS60 40K-24V-C90-20.jdt

Operator

CGR

Date

2019-04-12 오전 9:36:06

Illuminance Levels (Ground)

6.00	0.04	0.06	0.03	0.05	0.06	0.07	0.08	0.08	0.07	0.05	0.03	0.06	0.05
5.00	0.07	0.04	0.06	0.09	0.23	0.26	0.27	0.26	0.23	0.09	0.06	0.04	0.07
4.00	0.04	0.07	0.19	0.28	0.28	0.36	0.39	0.36	0.29	0.28	0.21	0.07	0.04
3.00	0.05	0.11	0.32	0.33	0.70	0.80	0.85	0.78	0.69	0.36	0.31	0.11	0.05
2.00	0.07	0.24	0.29	0.76	1.02	1.70	2.46	1.69	1.05	0.74	0.30	0.24	0.07
1.00	0.09	0.32	0.42	0.84	1.72	8.90	80.69	9.89	1.70	0.81	0.38	0.28	0.08
0.00	0.09	0.35	0.47	1.09	3.28	76.43	158.16	110.87	2.91	0.95	0.44	0.31	0.10
-1.00	0.09	0.31	0.42	0.99	1.93	12.94	85.34	13.61	1.76	0.83	0.38	0.29	0.09
-2.00	0.08	0.29	0.34	0.83	1.23	1.94	3.78	1.79	1.12	0.71	0.30	0.24	0.06
-3.00	0.06	0.10	0.36	0.40	0.84	1.01	1.05	0.88	0.79	0.38	0.30	0.09	0.05
-4.00	0.03	0.07	0.24	0.37	0.34	0.44	0.48	0.44	0.31	0.34	0.22	0.06	0.03
-5.00	0.07	0.04	0.08	0.12	0.29	0.33	0.35	0.34	0.25	0.12	0.07	0.04	0.06
-6.00	0.05	0.08	0.04	0.06	0.08	0.10	0.10	0.10	0.07	0.05	0.04	0.07	0.05
-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.): 158

All illuminance level values are in lux.

Illum. (Min.): 0.03

Illum. Avg.: 3.71

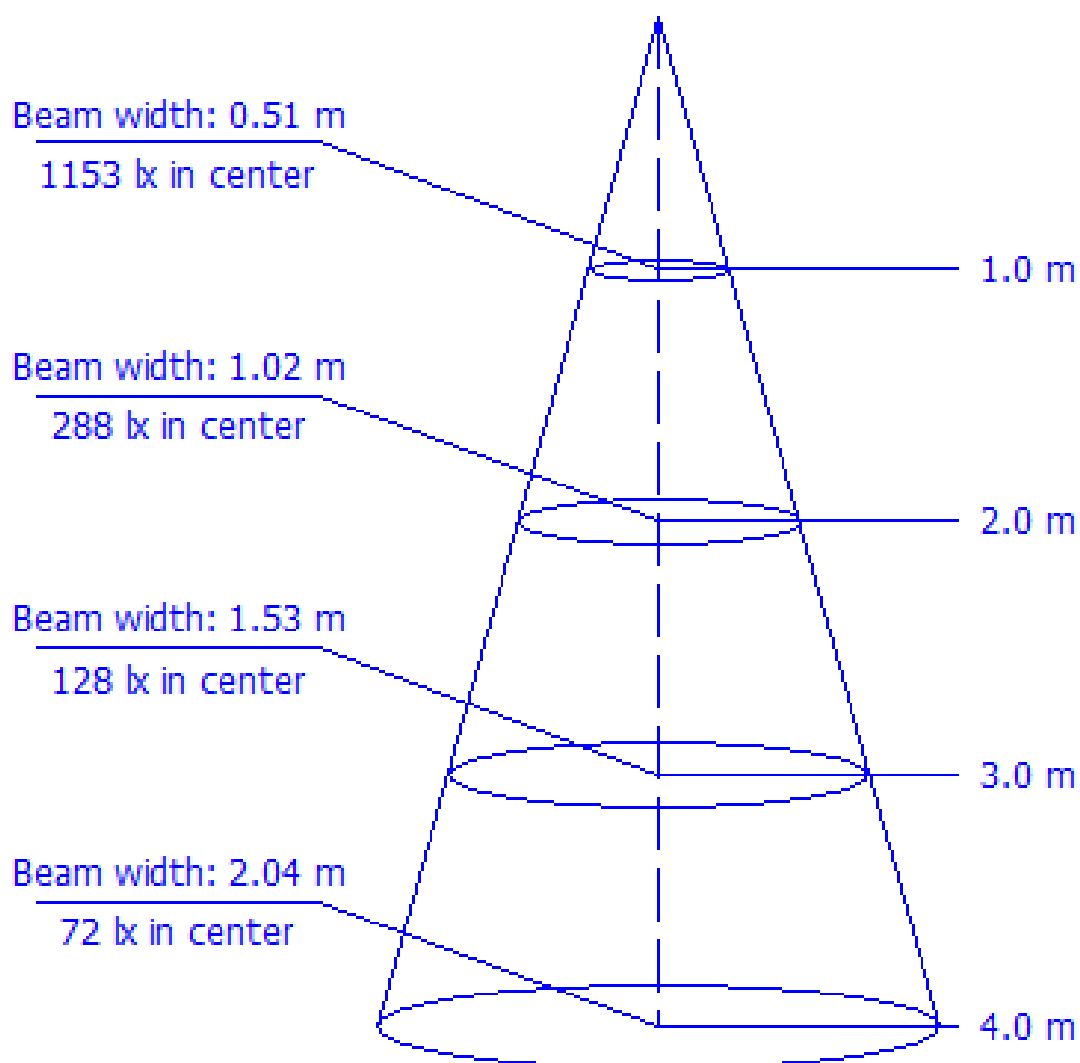
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Beam Angle = 29 deg.

Based on 50% of maximum illuminance.

Luminaire

Lamp

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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