

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 : 190411

2. Purpose of Report :

3. Test Standard / Item : LED / 190411 LS60 40K-24V-C90-15

4. Test Period : 190411 ~ 190411

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
190411	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3859, 0.3876	
Correlated Color Temperature	K	3941	
Ra	-	91.42	
Power Factor	%	1.000	
Input Voltage	V	23.950	
Input Current	A	0.365	
Input Watt	W	8.75	
Lamp Flux	lm	944.7	
Efficient	lm/W	108.07	
Illuminance	lx	8018	1 m
		2004	2 m
		891	3 m

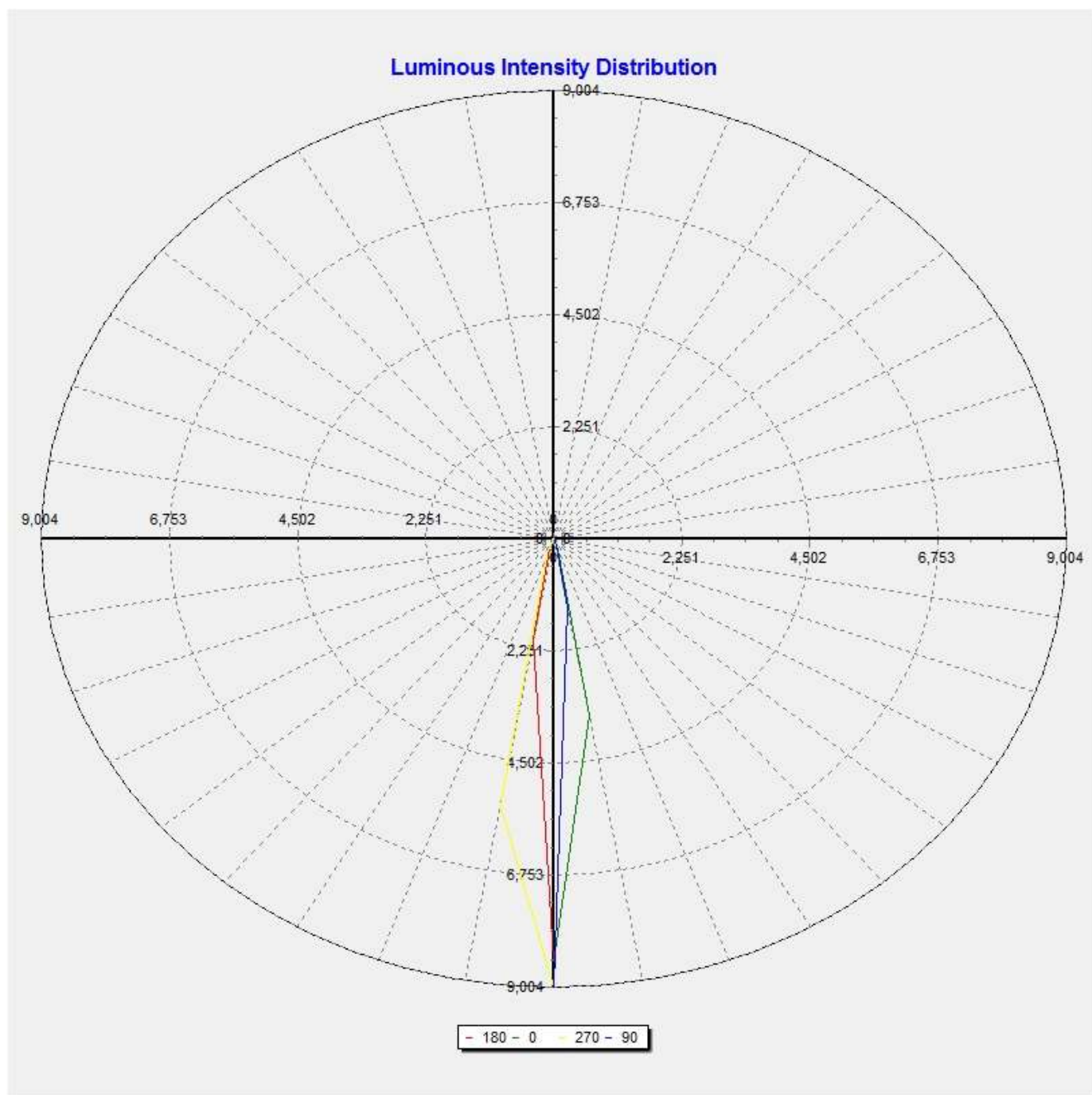
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

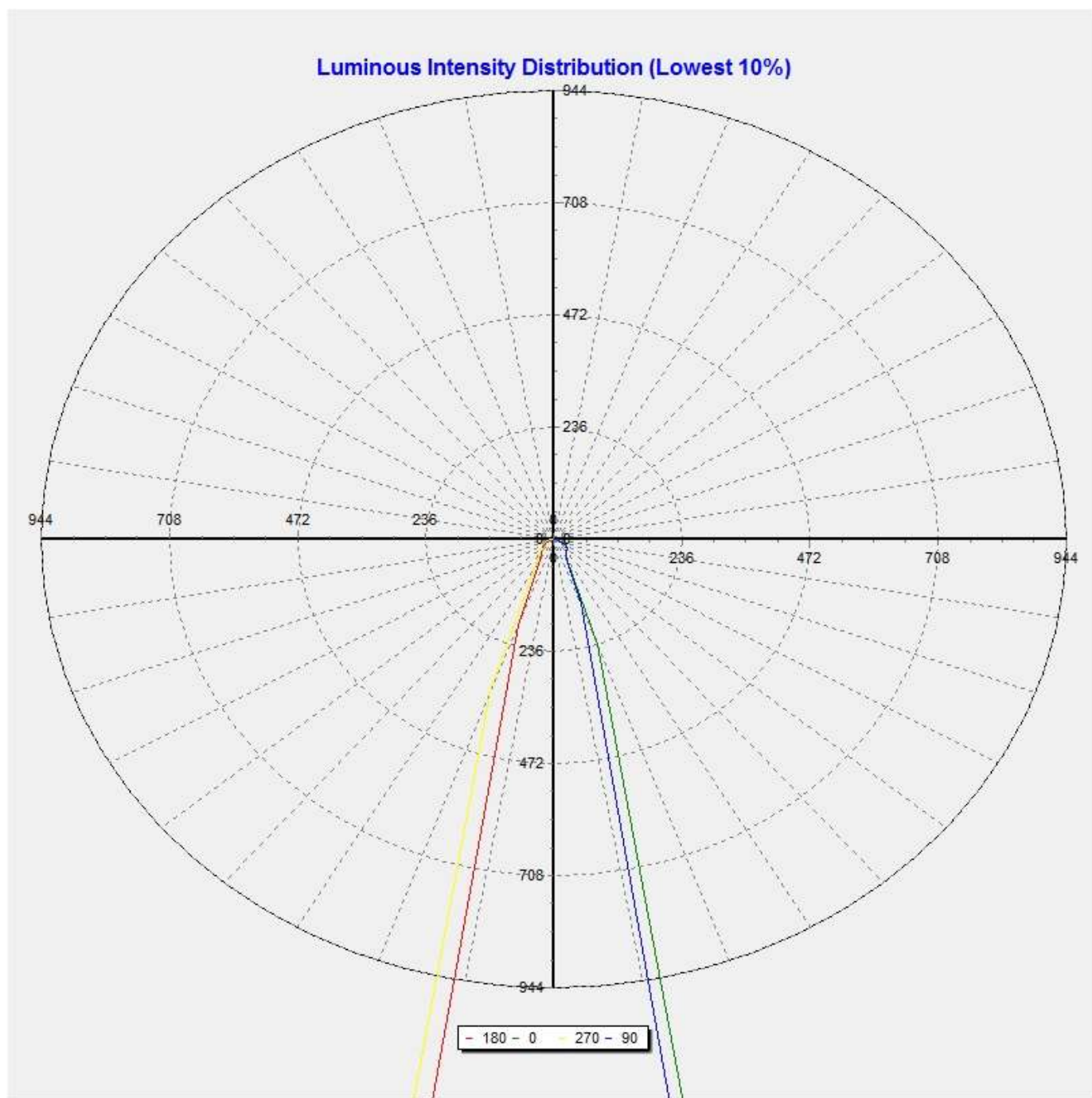
Lamp	Report	190411
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190411 LS60 40K-24V-C90-15.jdt	
Lamp flux (lm)	945 Operator	Current (A) 0.365 CGR
Total flux (lm)	945 Date	Power Factor 1 2019-04-11 오전 9:55:34



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	8017.85	7976.81	8499.19	8510.69	8833.10	8933.98	8017.85	7976.81	8499.19	8510.69	8833.10
10	3389.26	1528.37	2181.14	1314.65	3263.43	2745.23	1933.16	4098.06	3669.35	5131.52	2440.90
20	223.31	149.84	155.17	136.75	210.67	215.72	182.77	273.51	272.40	317.15	200.51
30	49.43	44.18	42.12	42.90	47.39	51.99	47.82	58.72	68.24	66.63	51.24
40	33.99	33.88	33.56	33.75	33.89	33.57	33.87	33.71	34.97	35.37	34.70
50	30.62	31.08	30.61	30.28	30.34	29.22	27.73	30.02	29.58	29.17	29.31
60	24.00	21.71	20.87	21.37	22.62	23.02	19.59	22.46	23.69	24.72	21.53
70	9.08	8.37	7.53	7.39	8.89	10.15	8.30	10.51	11.62	11.72	8.67
80	3.78	2.76	2.19	2.35	2.62	3.32	2.48	3.56	4.00	4.91	3.18
90	0.02	-0.19	-0.13	-0.07	0.10	0.21	1.36	0.01	0.15	-0.32	-0.31
100	0.69	0.11	-0.18	0.10	0.33	0.29	0.75	-0.06	0.24	0.11	0.60
110	-0.01	0.40	0.06	0.85	0.42	-0.08	0.34	0.55	0.70	0.77	0.58
120	0.44	1.33	0.99	0.09	0.46	0.07	0.37	0.84	0.08	0.07	0.20
130	0.96	1.69	1.20	1.96	1.22	0.96	1.68	0.88	1.44	1.86	2.05

Luminaire

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Luminous Intensity Data (Continued)

GWC	330	360
0	8933.98	8017.85
10	3016.98	3389.26
20	199.02	223.31
30	47.25	49.43
40	33.25	33.99
50	29.29	30.62
60	21.63	24.00
70	8.87	9.08
80	2.82	3.78
90	0.26	0.02
100	0.63	0.69
110	-0.08	-0.01
120	0.12	0.44
130	1.01	0.96

Luminaire

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Luminous Flux Table

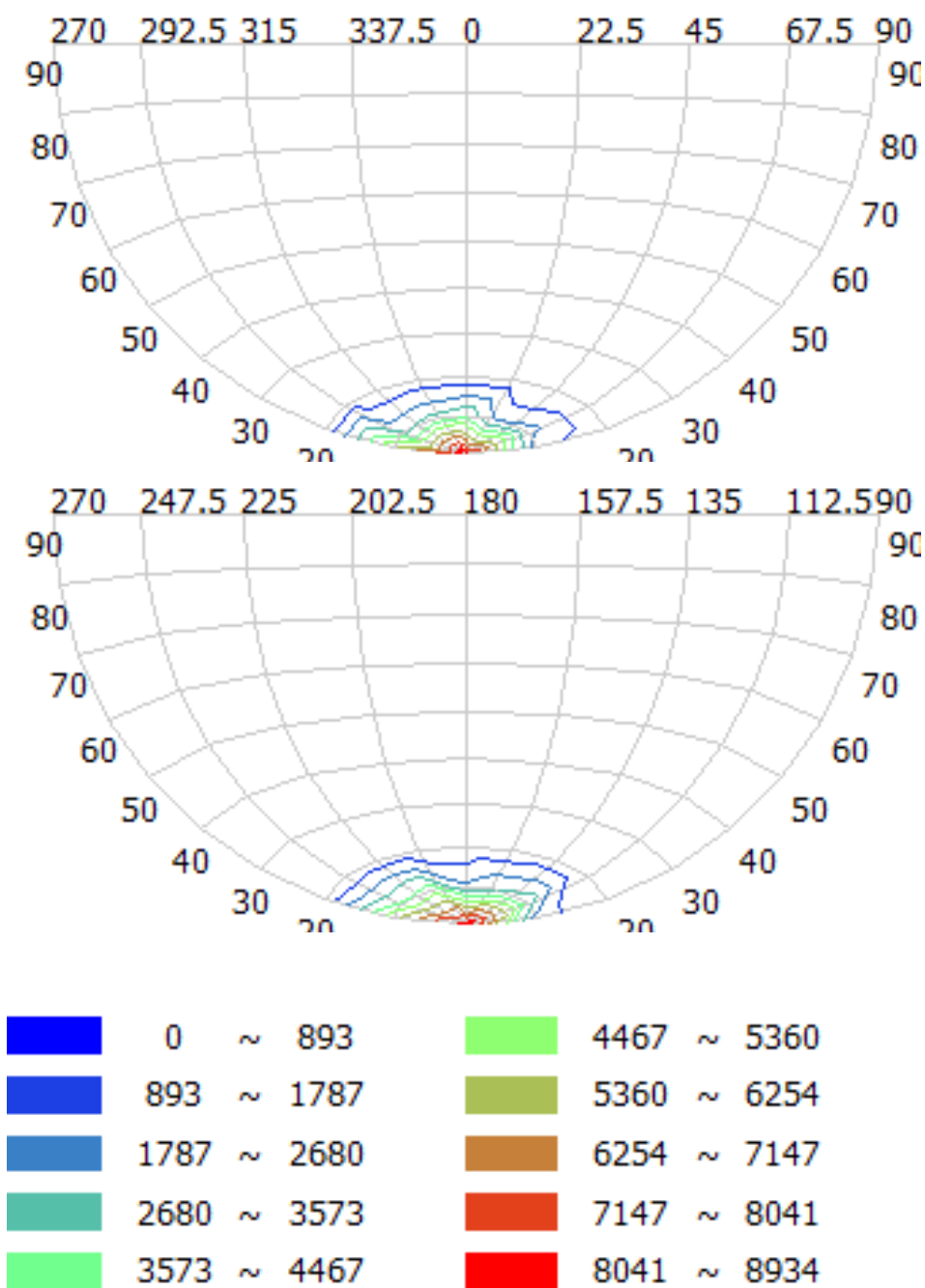
Total Lamp Lumens: 945
 Luminaire Efficiency (lm/W):944.68
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	202.32	202.32	21.42	21.42
10	550.14	752.46	79.65	79.65
20	79.19	831.65	88.03	88.04
30	28.20	859.85	91.02	91.02
40	23.97	883.82	93.56	93.56
50	24.98	908.79	96.20	96.20
60	21.12	929.92	98.43	98.44
70	9.53	939.45	99.44	99.45
80	3.41	942.86	99.81	99.81
90	0.10	942.96	99.82	99.82
100	0.32	943.28	99.85	99.85
110	0.39	943.67	99.89	99.89
120	0.40	944.07	99.93	99.94
130	0.61	944.68	100.00	100.00

Luminaire

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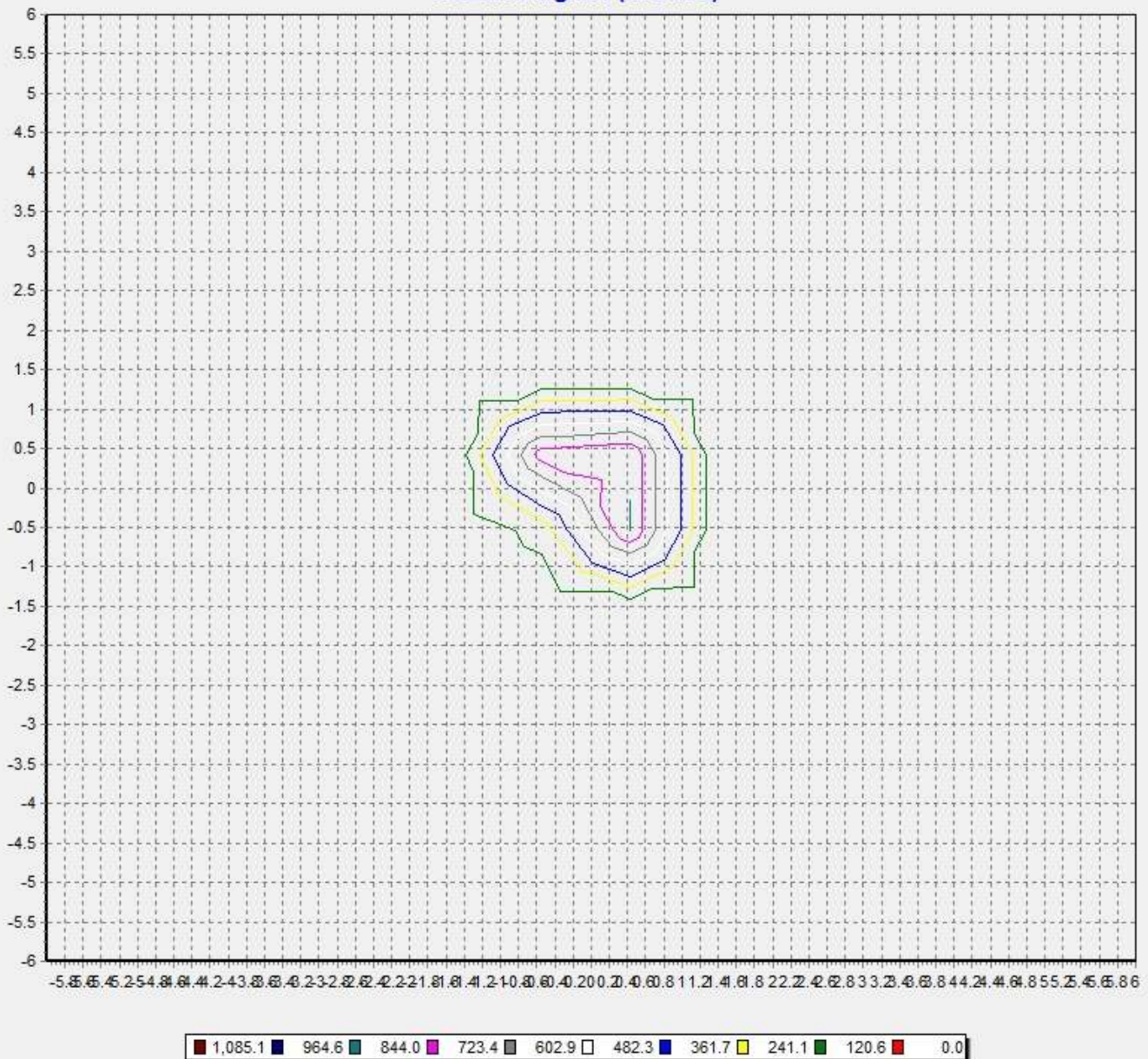
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



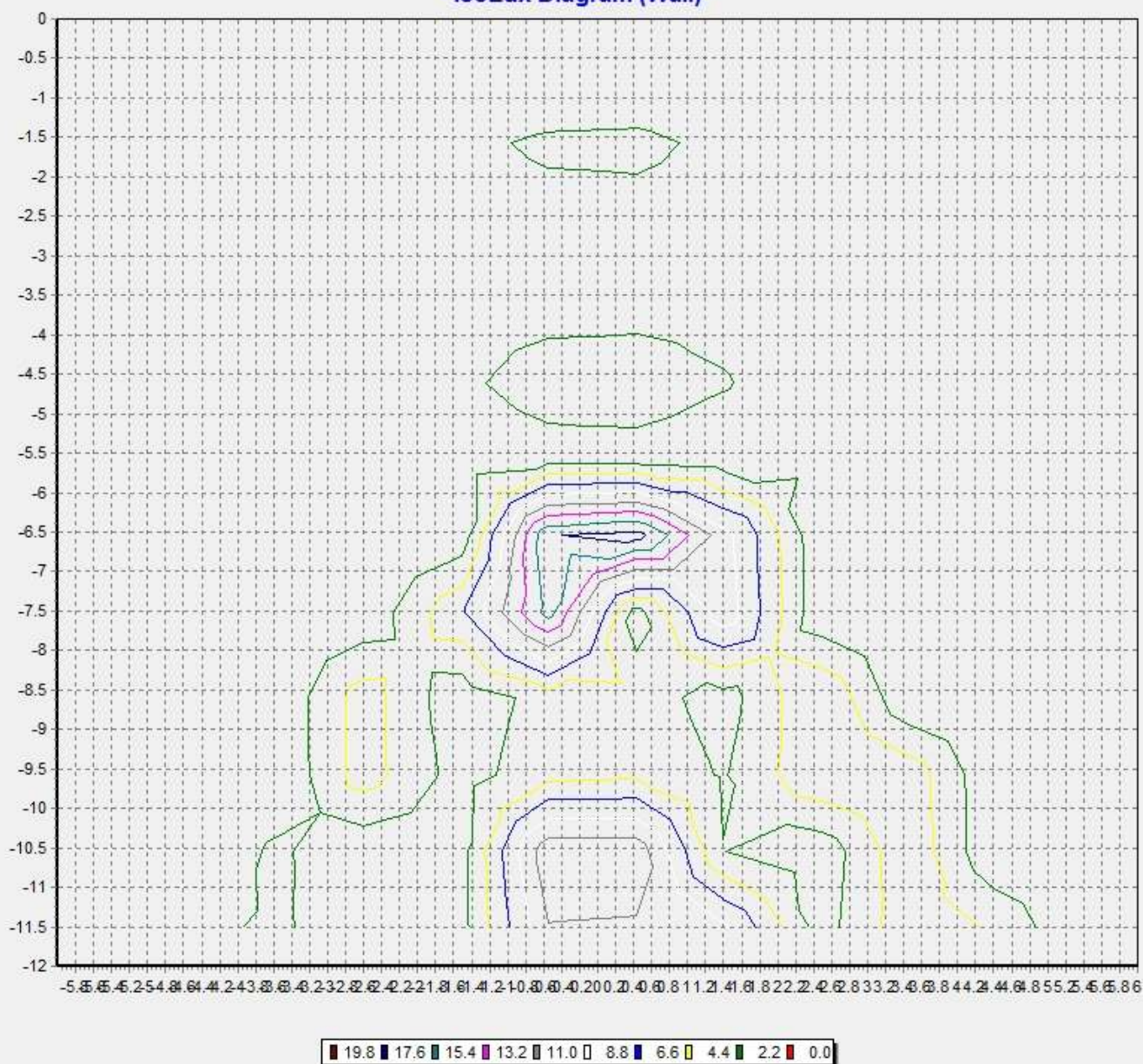
Pole Height (m): 2.7

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				Report	190411
No. of lamps	1	Voltage (V)	23.95	Filename	C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190411 LS60 40K-24V-C90-15.jdt
Lamp flux (lm)	945	Current (A)	0.365	Operator	CGR
Total flux (lm)	945	Power Factor	1	Date	2019-04-11 오전 9:55:34

Illuminance Levels (Ground)

6.00	0.07	0.10	0.05	0.08	0.10	0.12	0.13	0.12	0.10	0.08	0.05	0.10	0.07
5.00	0.10	0.06	0.09	0.14	0.34	0.40	0.42	0.40	0.34	0.14	0.09	0.06	0.10
4.00	0.06	0.11	0.29	0.43	0.44	0.54	0.60	0.54	0.43	0.43	0.30	0.10	0.06
3.00	0.08	0.17	0.42	0.51	0.96	1.15	1.27	1.17	0.97	0.53	0.43	0.17	0.08
2.00	0.11	0.34	0.45	0.95	1.43	2.15	2.63	2.14	1.44	0.97	0.44	0.35	0.11
1.00	0.12	0.38	0.53	1.13	2.15	7.19	144.41	7.60	2.15	1.17	0.56	0.40	0.13
0.00	0.12	0.39	0.55	1.19	2.76	212.28	1099.84	371.81	2.80	1.28	0.64	0.43	0.15
-1.00	0.13	0.38	0.53	1.10	2.17	9.01	562.87	10.11	2.20	1.11	0.57	0.40	0.13
-2.00	0.11	0.33	0.44	0.95	1.39	2.18	3.29	2.22	1.42	0.95	0.42	0.33	0.11
-3.00	0.09	0.14	0.40	0.49	0.98	1.13	1.25	1.11	0.99	0.52	0.41	0.15	0.08
-4.00	0.05	0.10	0.28	0.42	0.44	0.58	0.64	0.58	0.43	0.42	0.29	0.10	0.06
-5.00	0.09	0.07	0.12	0.18	0.34	0.40	0.42	0.40	0.33	0.18	0.12	0.07	0.10
-6.00	0.07	0.11	0.07	0.09	0.12	0.15	0.16	0.15	0.12	0.08	0.07	0.11	0.08
-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.): 1100

All illuminance level values are in lux.

Illum. (Min.): 0.05

Illum. Avg.: 14.9

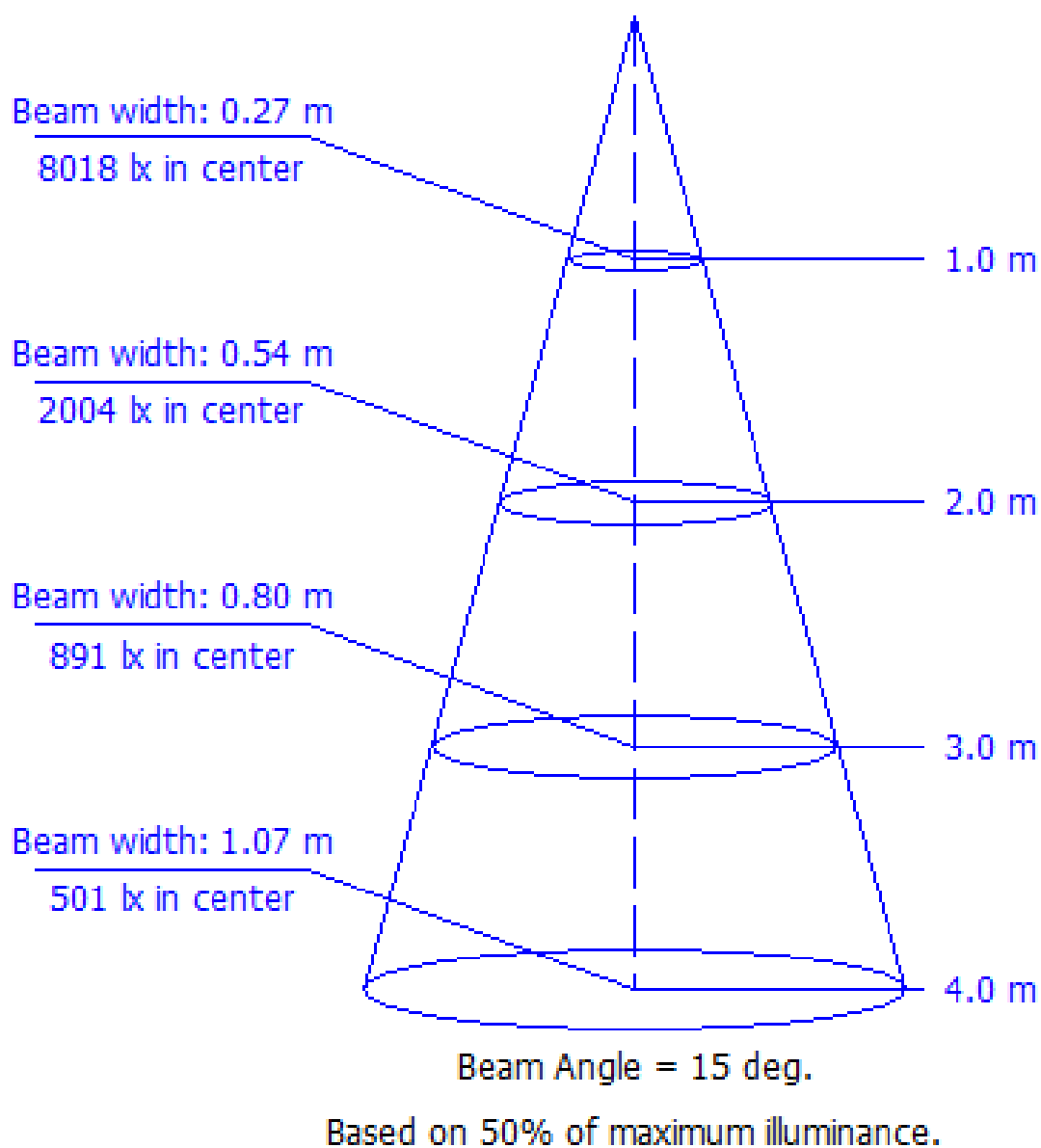
Total Optical Solution Provider


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

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

Report

190411

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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