

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 : 190320

2. Purpose of Report :

3. Test Standard / Item : LED / 190320 MRS3 40K-24V-SV-25

4. Test Period : 190320 ~ 190320

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
190320	FEELUX		LED

Test Item	Unit	Result	Memo
Beam Distribution Test	-	See attachment	
ATHD	%	0.0	
CIE 1931 Cxy		0.3897, 0.3898	
Correlated Color Temperature	K	3863	
Ra	-	81.89	
Power Factor	%	1.000	
Input Voltage	V	23.980	
Input Current	A	0.105	
Input Watt	W	2.52	
Lamp Flux	lm	245.6	
Efficient	lm/W	97.54	
Illuminance	lx	1236	1 m
		309	2 m
		137	3 m

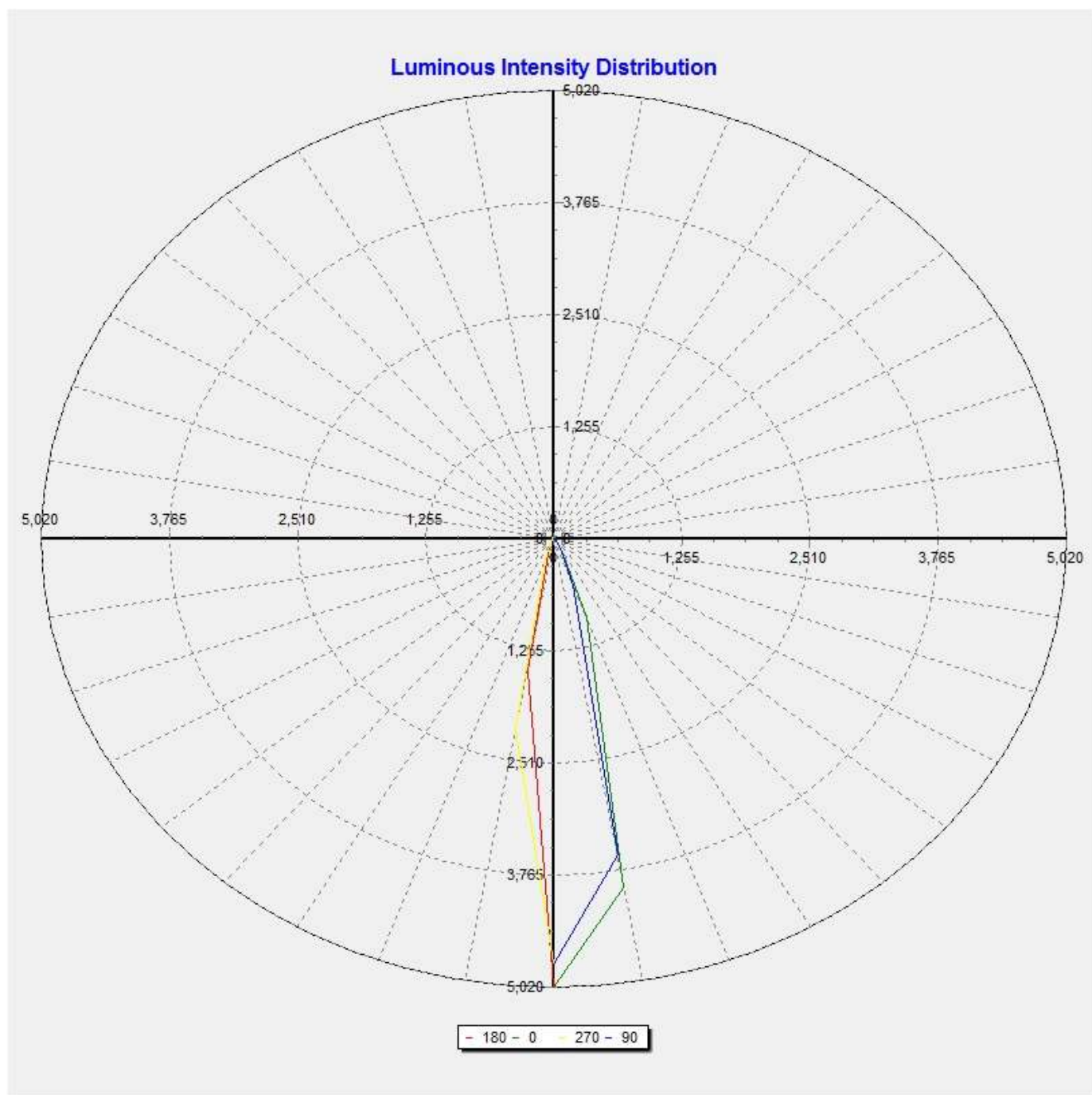
* This test result is for the sample provided by the client.

Sample photo

Click to load image

Luminaire

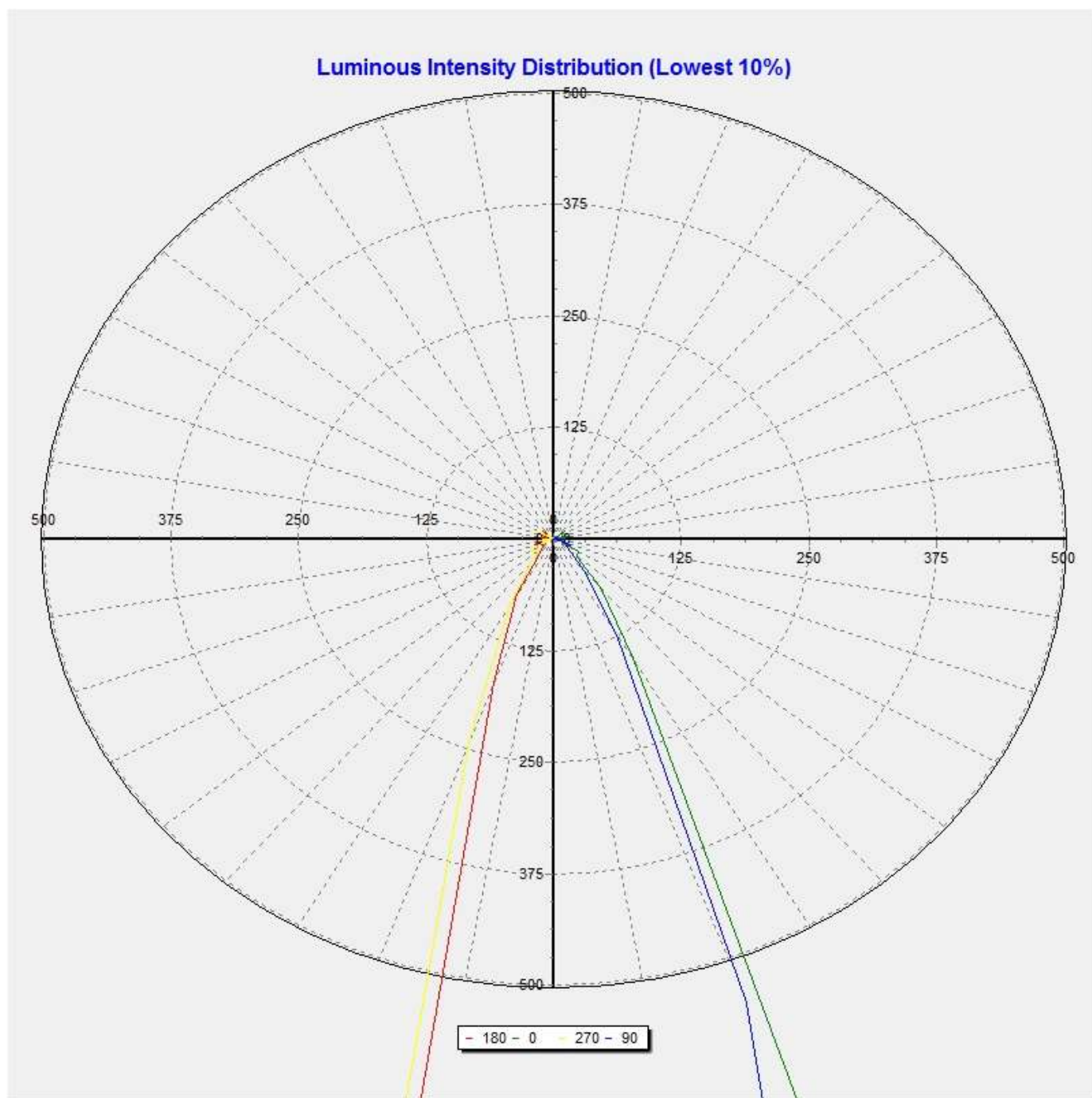
Lamp	Report	190320
No. of lamps	1 Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190320 MRS3 40K-24V-SV-25.jdt	
Lamp flux (lm)	246 Operator	Current (A) 0.105 CGR
Total flux (lm)	246 Date	Power Factor 1 2019-03-20 오전 11:34:22



All luminous intensity values are in Cd/KLm unit.

Luminaire

Lamp	Report	190320
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Luminous Intensity Data

GWC	0	30	60	90	120	150	180	210	240	270	300
0	1235.66	1248.48	1191.88	1171.92	1153.36	1154.34	1235.66	1248.48	1191.88	1171.92	1153.36
10	976.14	730.14	833.67	882.56	997.02	1057.68	366.12	663.25	619.05	531.14	423.48
20	228.27	102.11	143.30	136.16	152.27	157.52	42.30	65.27	63.38	59.46	55.60
30	37.95	28.50	32.98	30.60	33.26	29.90	17.50	19.46	22.47	20.93	20.65
40	17.29	10.28	11.90	11.41	11.90	11.62	5.80	8.46	10.35	8.53	8.81
50	7.41	2.79	6.08	5.73	5.10	5.59	3.42	4.82	3.91	4.54	4.40
60	6.99	6.50	3.14	3.49	4.54	4.33	3.07	3.49	5.94	6.29	1.11
70	1.95	1.46	2.30	4.26	3.91	4.89	4.89	4.26	3.00	1.60	3.14
80	2.09	0.13	1.18	0.41	2.51	3.28	3.00	2.09	1.88	3.14	6.92
90	1.25	1.11	0.48	2.58	0.62	0.34	-0.15	2.16	2.86	2.23	1.39
100	3.28	1.46	-0.85	-1.13	0.97	1.32	3.14	-0.64	1.81	0.76	0.13
110	0.76	2.37	0.13	-0.78	1.53	-1.20	1.95	1.25	5.66	0.76	-0.01
120	1.25	1.60	-0.43	1.32	0.62	0.41	0.62	-0.36	2.72	4.89	2.02
130	3.63	0.69	2.86	1.18	2.30	1.04	3.49	0.97	-1.34	1.04	4.19

Luminaire

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Lamp flux (lm)	246	Operator	Current (A)	0.105
Total flux (lm)	246	Date	Power Factor	1
				2019-03-20 오전 11:34:22

Luminous Intensity Data (Continued)

GWC	330	360
0	1154.34	1235.66
10	462.78	976.14
20	61.56	228.27
30	19.04	37.95
40	10.84	17.29
50	6.43	7.41
60	4.89	6.99
70	1.46	1.95
80	2.51	2.09
90	0.90	1.25
100	2.65	3.28
110	0.34	0.76
120	4.68	1.25
130	5.45	3.63

Luminaire

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Luminous Flux Table

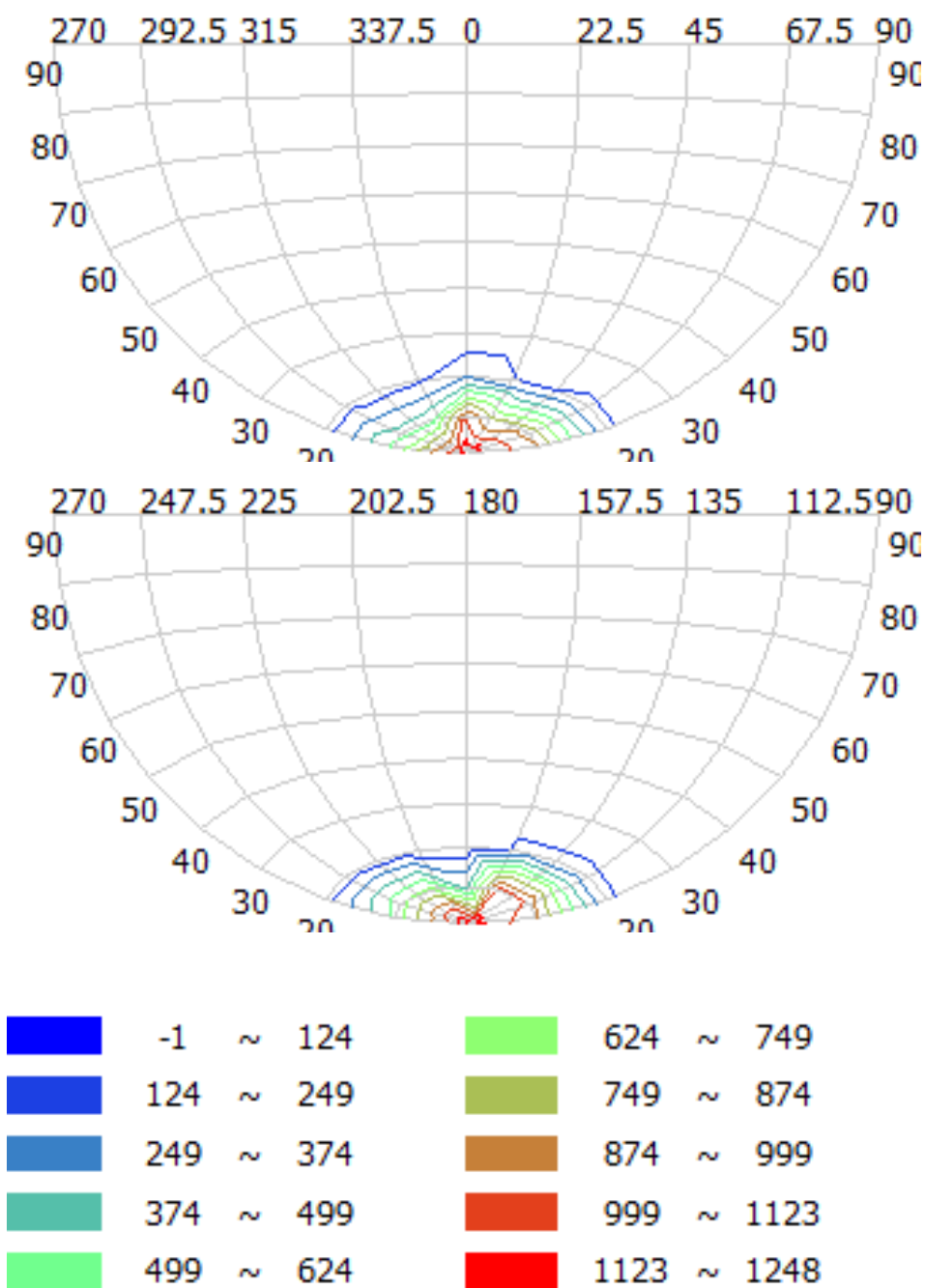
Total Lamp Lumens: 246
 Luminaire Efficiency (lm/W):245.63
 CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	28.51	28.51	11.61	11.61
10	135.40	163.91	66.74	66.73
20	39.56	203.47	82.84	82.83
30	14.29	217.76	88.67	88.65
40	7.46	225.22	91.70	91.69
50	4.21	229.44	93.42	93.41
60	4.25	233.69	95.15	95.14
70	3.18	236.87	96.45	96.43
80	2.62	239.49	97.51	97.50
90	1.44	240.93	98.10	98.09
100	1.16	242.09	98.57	98.56
110	1.09	243.18	99.01	99.00
120	1.53	244.71	99.64	99.62
130	0.92	245.63	100.01	100.00

Luminaire

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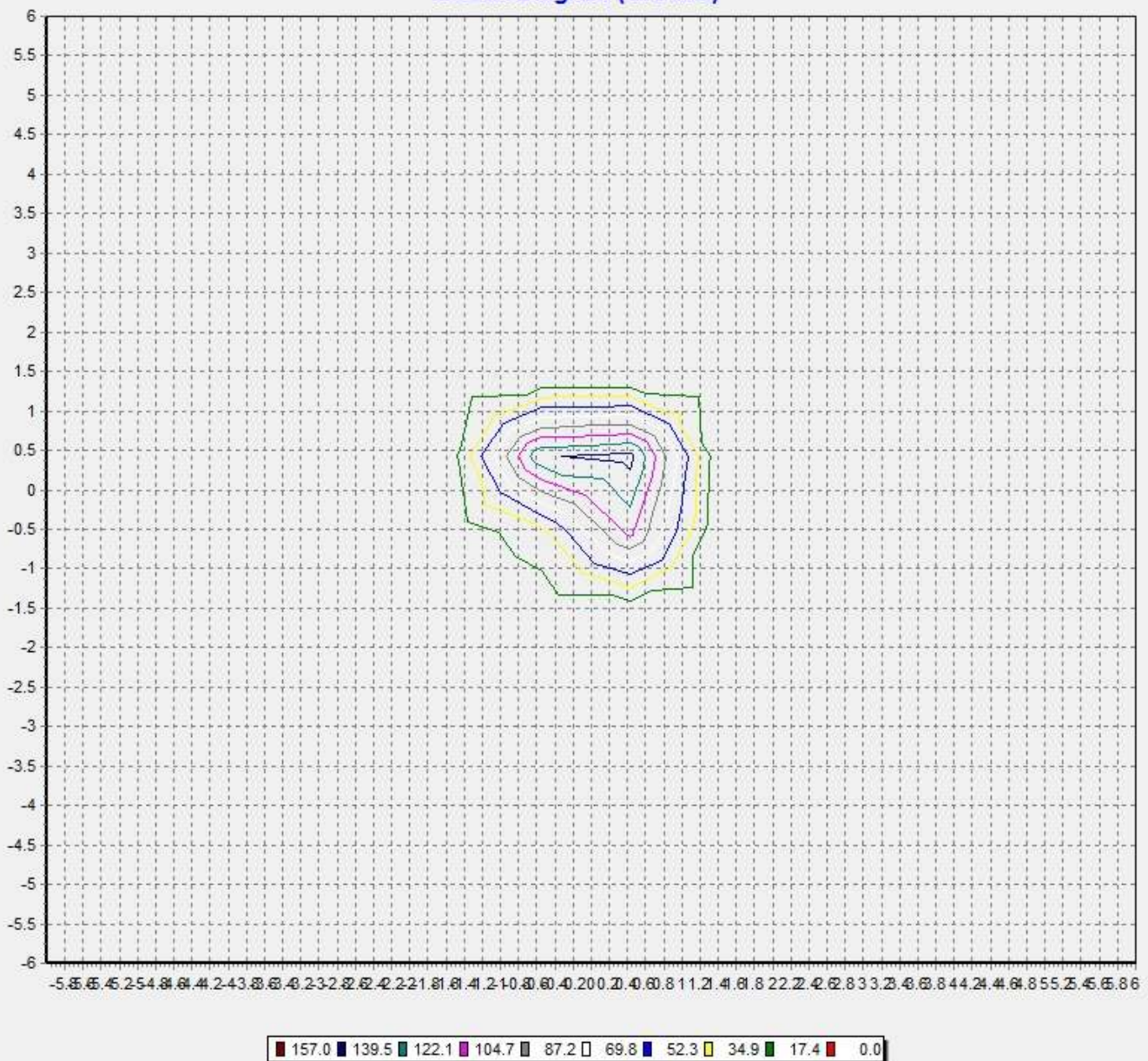
IsoCandela (Type C)



Luminaire

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IsoLux Diagram (Ground)



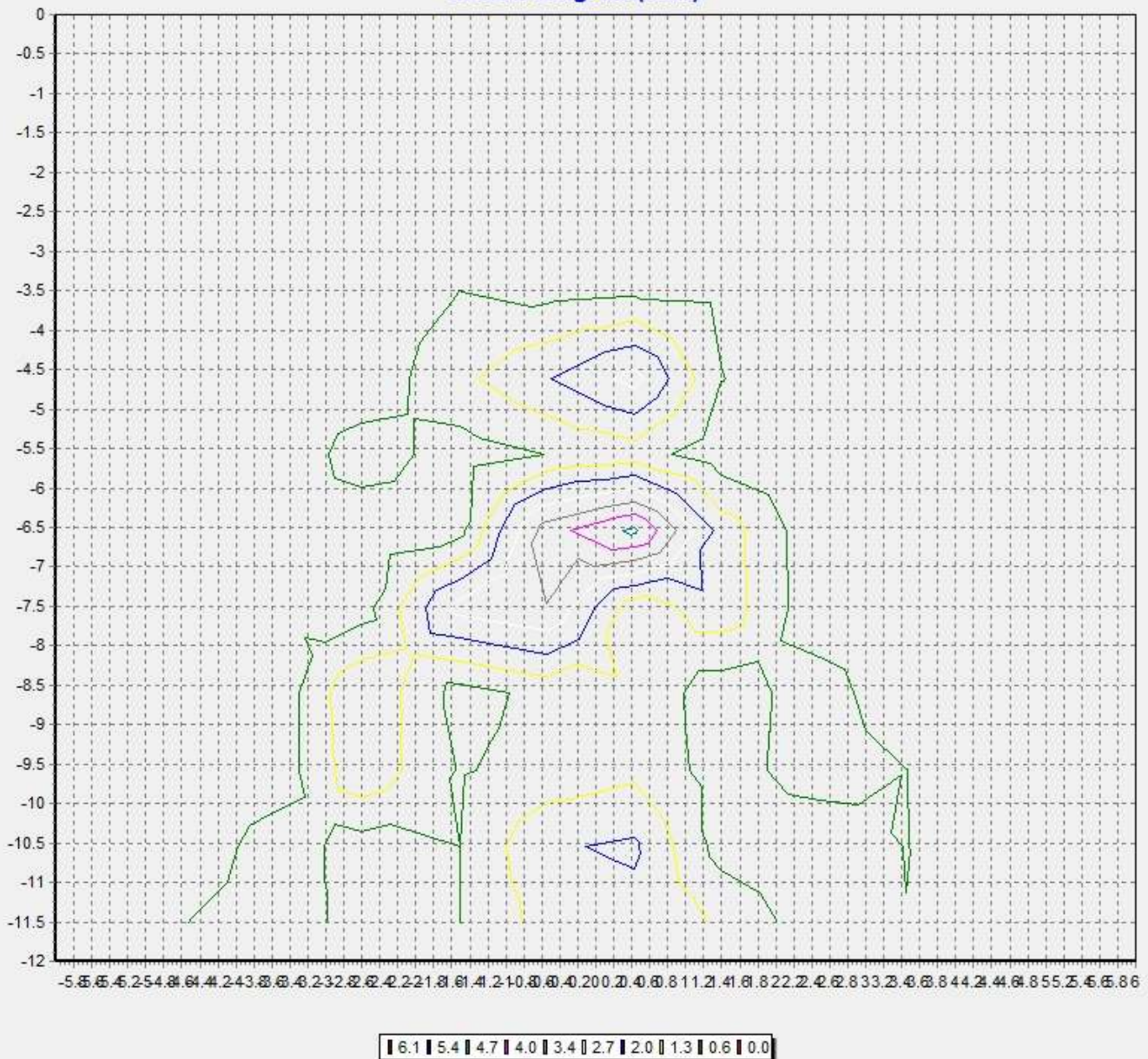
Pole Height (m): 2.7

Area Width (m): 12

Luminaire

Lamp	Report	190320
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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)	23.98
Lamp flux (lm)	246	Current (A)	0.105
Total flux (lm)	246	Power Factor	1

Report

190320

Filename C:\Users\WFEELUX\Desktop\완료 리포트\Data\2019\190320 MRS3 40K-24V-SV-25.jdt

Operator

CGR

Date

2019-03-20 오전 11:34:22

Illuminance Levels (Ground)

6.00	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.03	0.02	0.02	0.01	0.02	0.02
5.00	0.02	0.03	0.03	0.04	0.06	0.08	0.08	0.08	0.05	0.03	0.02	0.01	0.03
4.00	0.03	0.04	0.05	0.08	0.09	0.09	0.11	0.09	0.11	0.07	0.06	0.03	0.01
3.00	0.03	0.05	0.08	0.09	0.28	0.21	0.28	0.17	0.29	0.13	0.09	0.04	0.02
2.00	0.04	0.06	0.09	0.29	0.35	0.79	1.29	0.70	0.37	0.40	0.12	0.06	0.03
1.00	0.04	0.06	0.09	0.21	0.79	5.57	97.11	6.13	0.74	0.19	0.14	0.09	0.03
0.00	0.04	0.05	0.08	0.16	0.70	40.23	169.50	107.69	1.74	0.39	0.17	0.11	0.04
-1.00	0.04	0.06	0.09	0.17	0.54	2.55	58.36	2.81	0.59	0.20	0.14	0.10	0.03
-2.00	0.03	0.05	0.07	0.16	0.24	0.57	0.91	0.58	0.27	0.27	0.04	0.05	0.02
-3.00	0.03	0.04	0.05	0.07	0.24	0.18	0.22	0.18	0.22	0.08	0.08	0.03	0.02
-4.00	0.03	0.03	0.04	0.06	0.07	0.12	0.13	0.12	0.04	0.07	0.05	0.02	0.01
-5.00	0.02	0.03	0.03	0.04	0.05	0.07	0.07	0.06	0.05	0.04	0.02	0.02	0.02
-6.00	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.02	0.02	0.01	0.02	0.01
-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.): 170

All illuminance level values are in lux.

Illum. (Min.): 0.01

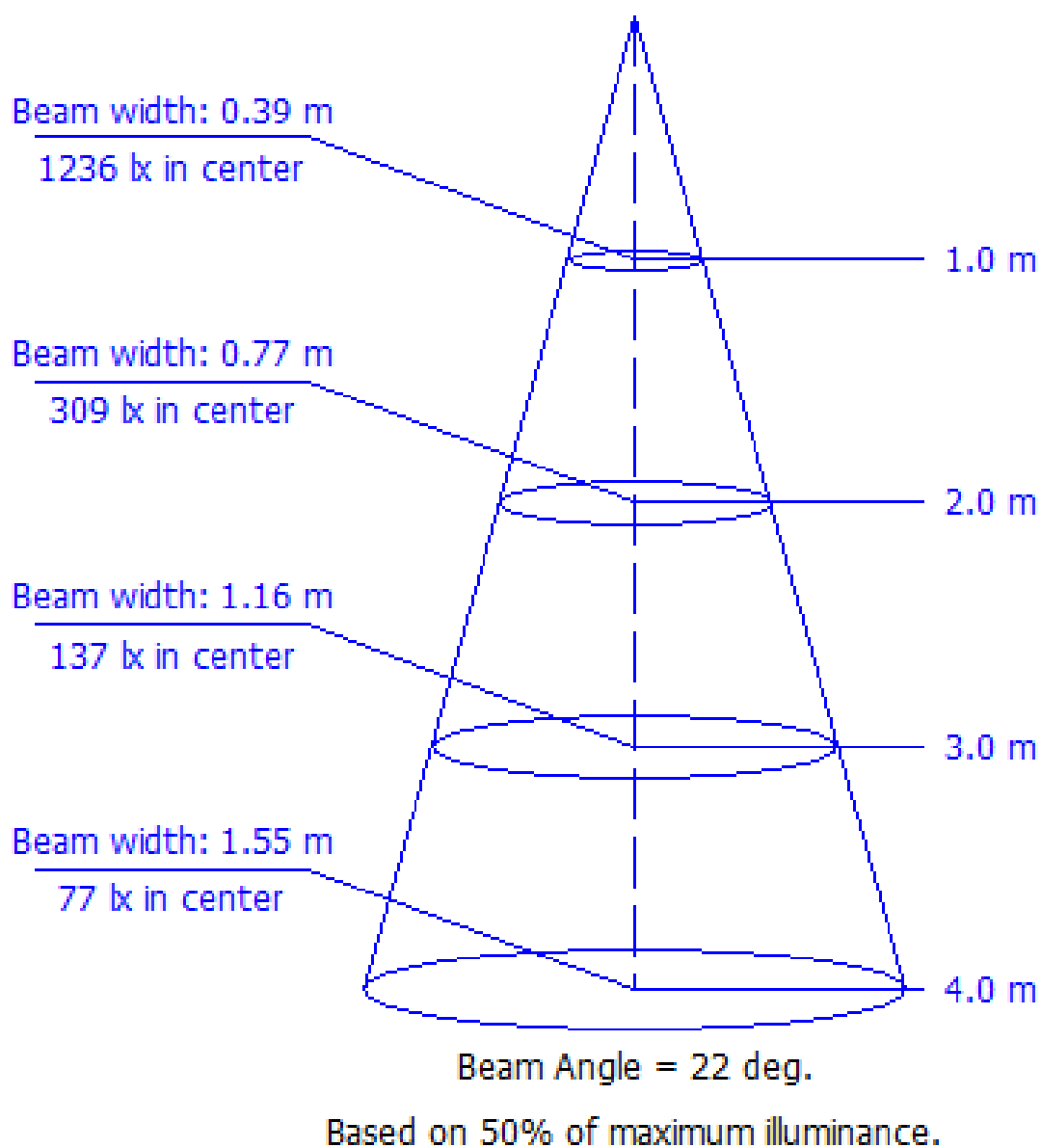
Illum. Avg.: 3.03

Total Optical Solution Provider

Luminaire

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Illuminance Cone Diagram



Luminaire

Lamp

Report

190320

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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