

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 : 210112

2. Purpose of Report :

3. Number of Report : 210112

4. Test Standard / Item : / 210112 FTP 3500K 25.2V

5. Test Period : 210112 ~ 210112

6. Test Environment

* Ambient Temp. : 18.9 +- 3 °C
* Relative Humidity : 13.9 +- 10 % RH

7. Test Item

* Name of Product :
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	MKOH	Sign

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reporduced, except in full.
- * This report is for reference only. It cannot replace the report by standard organization(s).

Result

Report Number	Sample Name	Sample Number	Test Standard
210112			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4165 , 0.3919	
Correlated Color Temperature	K	3291	
Ra		92.41	
Power Factor		1.000	
Input Voltage	V	25.200	
Input Current	A	0.789	
Input Watt	W	19.87	
Lamp Flux	lm	2028.2	
Efficient	lm/W	102.01	
luminous Intensity (Max , Center)	cd	741 , 741	
Illuminance	lx	741	1 m
		185	2 m
		82	3 m

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

* Sample photo

[Click to load image](#)

Luminaire

Lamp

No. of lamps 1

Voltage (V) 25.2

Lamp flux (lm) 2028

Current (A) 0.789

Total flux (lm) 2028

Power Factor 1

Report

210112

Filename 210112 FTP 3500K 25.2V.jdt

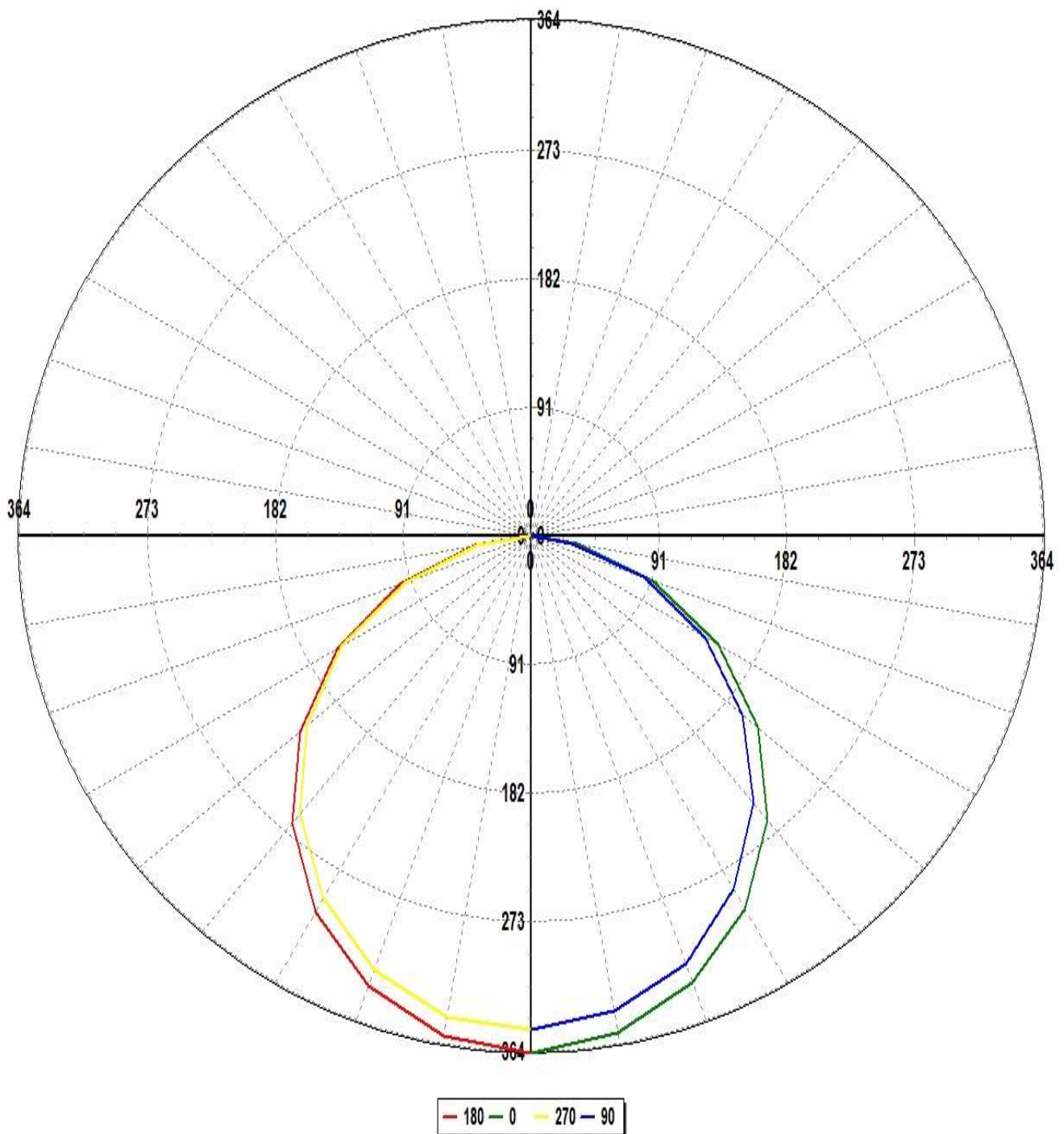
Operator

CGR

Date

2021-01-12 오후 3:36:40

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 25.2

Report

210112

Lamp flux (lm) 2028

Current (A) 0.789

Filename 210112 FTP 3500K 25.2V.jdt

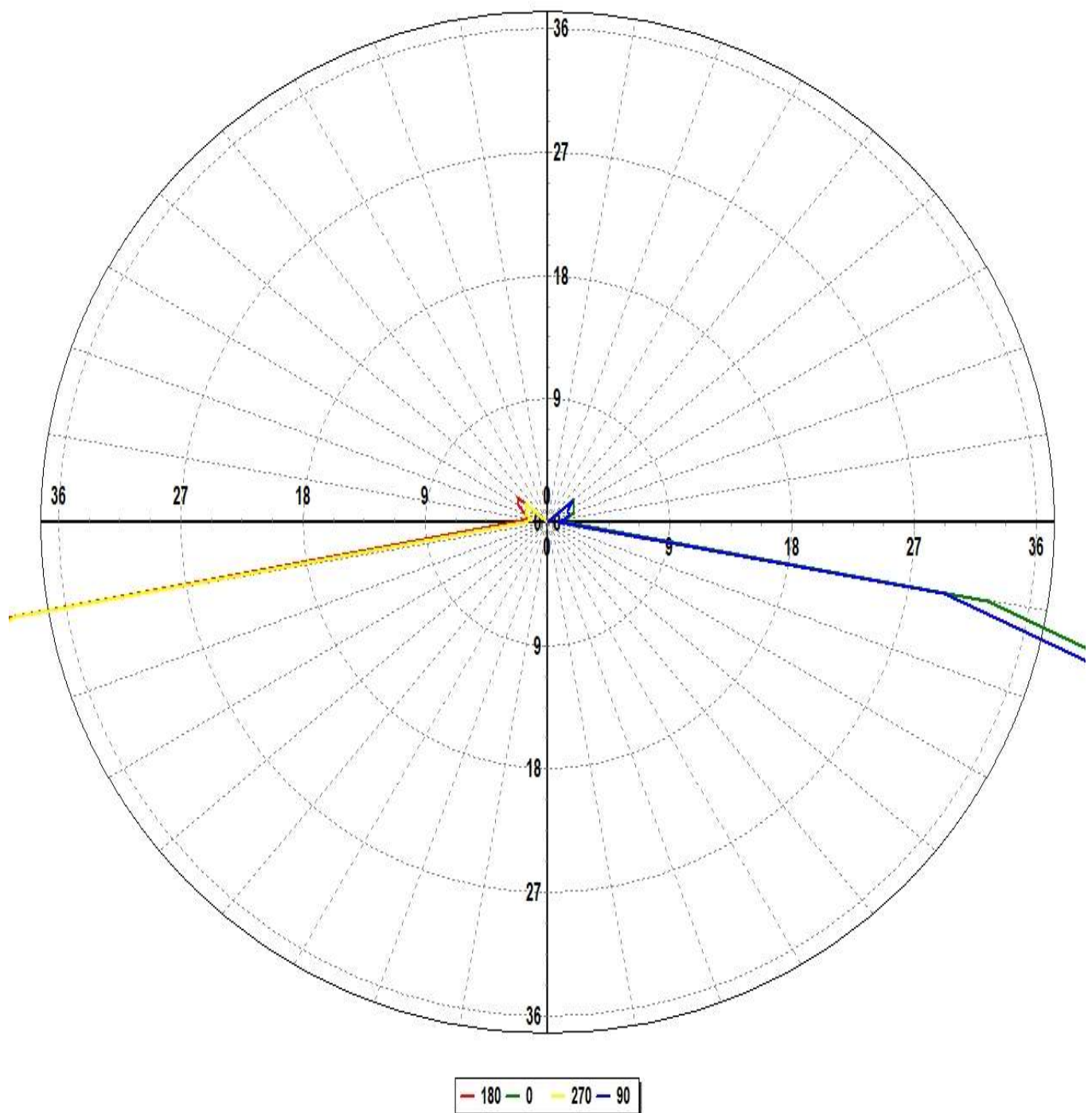
Total flux (lm) 2028

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:36:40

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	25.2	Report	210112
Lamp flux (lm)	2028	Current (A)	0.789	Filename	210112 FTP 3500K 25.2V.jdt
Total flux (lm)	2028	Power Factor	1	Operator	CGR
				Date	2021-01-12 오후 3:36:40

Luminous Intensity Data

Maximum (cd) : 741

Minimum (cd) : 2

G/C	0	30	60	90	120	150	180	210	240	270	300
0	741.19	732.64	713.78	708.38	713.49	717.25	741.19	732.64	713.78	708.38	713.49
10	723.28	716.59	694.55	690.59	700.48	700.06	726.58	721.9	701.49	699.26	705.61
20	680.35	670.31	651.77	652.66	658.52	653.42	686.18	682.3	662.26	662.57	665.94
30	617.08	605.99	583.24	583.94	592.81	586.8	622.01	619.31	598.52	600.37	602.9
40	530.43	515.14	499.29	498.96	507.8	503.56	535.78	536.25	518.52	519.76	520.33
50	427.28	415.16	401.12	397.82	411.91	407.46	435.95	434.81	422.16	423.13	421.81
60	311.62	301.16	290.96	290.14	298.45	297.74	323.39	326.51	315.14	315.88	312.57
70	187.71	178.86	175.13	172.94	182.24	181.53	202.65	206.5	198.47	194.6	193.98
80	66.71	61.5	60.62	60.12	67.43	66.65	81.93	86.39	82.23	80.55	76.81
90	2.7	2.74	2.83	1.67	2.68	2.82	5.01	7.09	5.83	3.51	3.37
100	2.78	3.9	2.59	2.53	3	2.72	2.94	2.94	3.01	2.33	2.94
110	4.17	4.35	4.41	3.58	4.21	3.61	3.59	3.57	3.48	3.52	3.05
120	4.5	4.24	4.18	3.35	4.09	4.18	4.95	4.27	3.68	3.51	3.79
130	5.22	4.8	4.69	4.95	4.73	5.31	5.76	4.78	5.36	4.31	5.33

Luminaire

Lamp

No. of lamps	1	Voltage (V)	25.2	Report	210112
Lamp flux (lm)	2028	Current (A)	0.789	Filename	210112 FTP 3500K 25.2V.jdt
Total flux (lm)	2028	Power Factor	1	Operator	CGR
				Date	2021-01-12 오후 3:36:40

Luminous Intensity Data (Continued)

Maximum (cd) : 741

Minimum (cd) : 2

G/C	330	360
0	717.25	741.19
10	701.13	723.28
20	663.45	680.35
30	601.88	617.08
40	524.98	530.43
50	426.35	427.28
60	317.04	311.62
70	195.47	187.71
80	76.5	66.71
90	3.46	2.7
100	2.41	2.78
110	3.3	4.17
120	4.86	4.5
130	4.72	5.22

Luminaire

Lamp

No. of lamps	1	Voltage (V)	25.2
Lamp flux (lm)	2028	Current (A)	0.789
Total flux (lm)	2028	Power Factor	1

Report 210112

Filename 210112 FTP 3500K 25.2V.jdt

Operator CGR

Date 2021-01-12 오후 3:36:40

Luminous Flux Table

Total Lamp Lumens: 2028

Luminaire Efficiency (lm/W): 2028.17

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	17.24	17.24	0.85	0.85
10	134.42	151.66	7.48	7.48
20	249.41	401.07	19.77	19.78
30	329.25	730.32	36.01	36.01
40	364.37	1094.69	53.97	53.97
50	351.33	1446.01	71.30	71.30
60	292.50	1738.51	85.72	85.72
70	194.69	1933.21	95.32	95.32
80	77.97	2011.18	99.16	99.16
90	3.99	2015.16	99.36	99.36
100	3.06	2018.23	99.51	99.51
110	3.85	2022.07	99.70	99.70
120	3.92	2025.99	99.89	99.89
130	2.17	2028.17	100.00	100.00

Luminaire

Lamp

No. of lamps 1

Voltage (V) 25.2

Report

210112

Lamp flux (lm) 2028

Current (A) 0.789

Filename 210112 FTP 3500K 25.2V.jdt

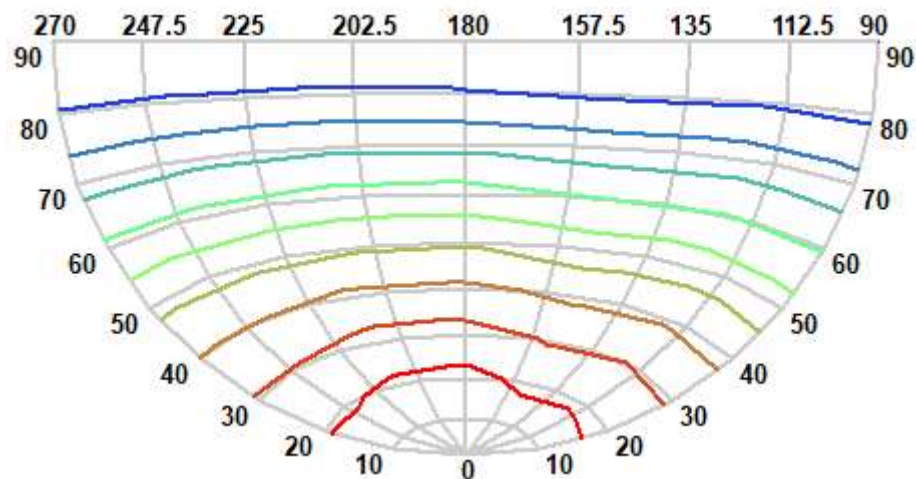
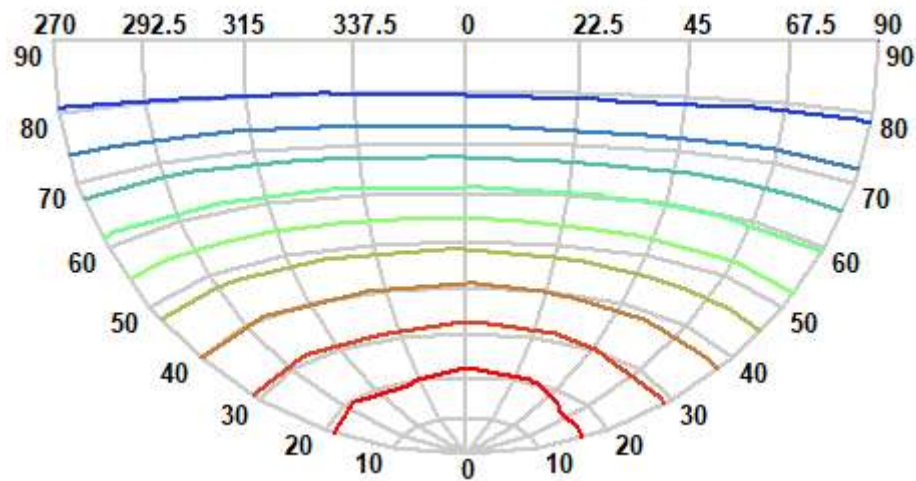
Total flux (lm) 2028

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:36:40

IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Voltage (V) 25.2

Report

210112

Lamp flux (lm) 2028

Current (A) 0.789

Filename 210112 FTP 3500K 25.2V.jdt

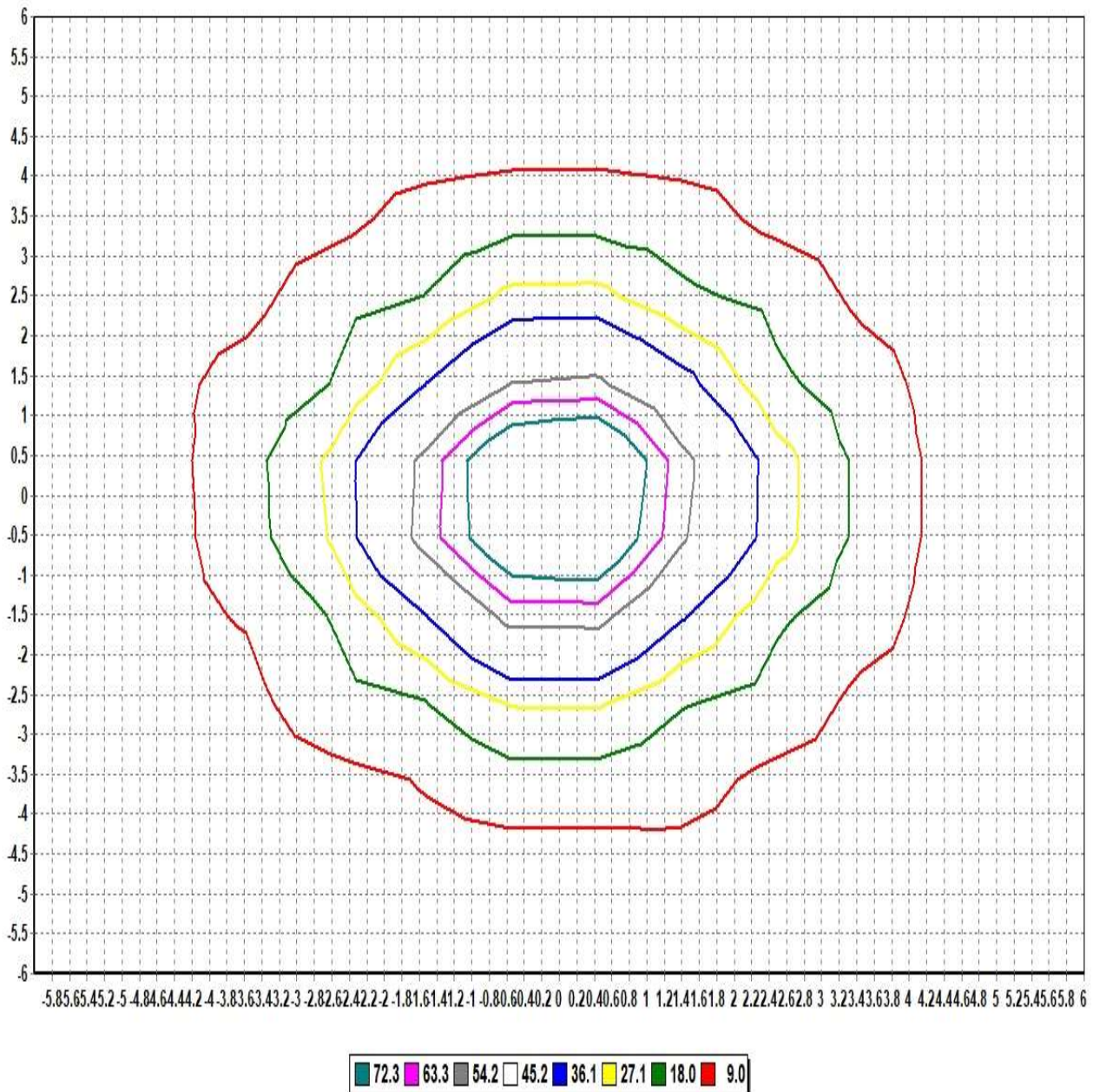
Total flux (lm) 2028

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:36:40

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

No. of lamps 1

Voltage (V) 25.2

Report

210112

Lamp flux (lm) 2028

Current (A) 0.789

Filename 210112 FTP 3500K 25.2V.jdt

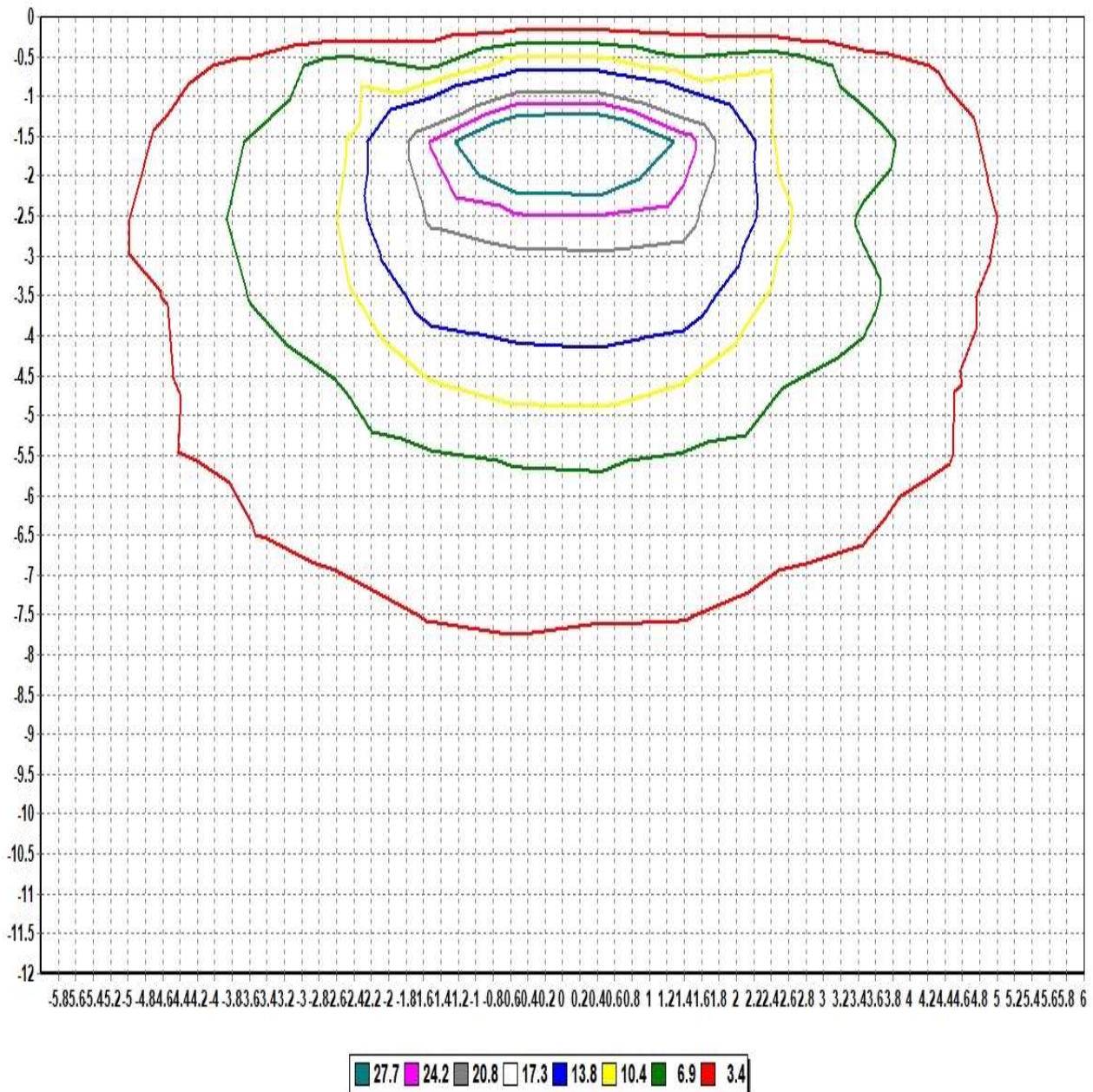
Total flux (lm) 2028

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:36:40

IsoLux Diagram (Wall)



Pole Height (m): 2.7

Wall Distance (m): 2.7

Aiming Plane: 0

Wall Height (m): 12

Total Optical Solution Provider



Luminaire

Lamp

No. of lamps	1	Voltage (V)	25.2
Lamp flux (lm)	2028	Current (A)	0.789
Total flux (lm)	2028	Power Factor	1

Report 210112

Filename 210112 FTP 3500K 25.2V.jdt

Operator CGR

Date 2021-01-12 오후 3:36:40

Illuminance Levels (Ground)

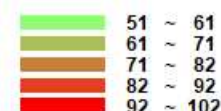
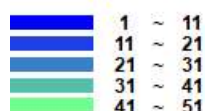
6.00	1.02	1.35	1.07	1.45	1.79	2.02	2.11	2.01	1.78	1.44	1.07	1.36	1.06
5.00	1.37	1.17	1.68	2.34	4.57	5.30	5.60	5.29	4.61	2.36	1.69	1.21	1.42
4.00	1.11	1.73	3.89	5.64	5.87	7.34	8.01	7.34	5.92	5.68	4.05	1.77	1.14
3.00	1.46	2.42	5.75	6.83	13.83	15.45	17.16	15.57	13.89	7.11	5.97	2.52	1.45
2.00	1.81	4.60	5.89	13.99	19.92	31.96	37.61	32.38	20.71	14.65	5.97	4.69	1.83
1.00	2.23	5.65	7.83	15.58	31.99	57.61	77.98	59.75	32.60	15.95	7.91	5.67	2.21
0.00	2.40	6.14	8.86	18.72	40.26	82.04	101.67	81.66	39.89	18.39	8.60	6.01	2.28
-1.00	2.15	5.55	7.79	16.53	33.79	60.61	78.97	58.77	32.83	16.09	7.90	5.67	2.19
-2.00	2.01	4.92	6.41	14.89	21.33	33.67	38.99	32.79	20.70	14.57	6.16	4.77	1.93
-3.00	1.64	2.66	6.14	7.48	14.47	16.33	18.16	16.04	14.45	7.24	6.00	2.59	1.55
-4.00	1.24	1.92	4.23	6.00	6.39	7.89	8.62	7.89	6.16	5.96	4.10	1.85	1.19
-5.00	1.50	1.34	1.89	2.60	4.88	5.63	5.97	5.62	4.76	2.58	1.84	1.28	1.46
-6.00	1.13	1.47	1.22	1.63	2.00	2.23	2.33	2.23	1.92	1.55	1.19	1.45	1.09
-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.) : 102

Illum. (Min.) : 1.02

Illum. (Avg.) : 11.5

All illuminance level values are in lux.



Luminaire

Lamp

No. of lamps 1

Voltage (V) 25.2

Report 210112

Filename 210112 FTP 3500K 25.2V.jdt

Lamp flux (lm) 2028

Current (A) 0.789

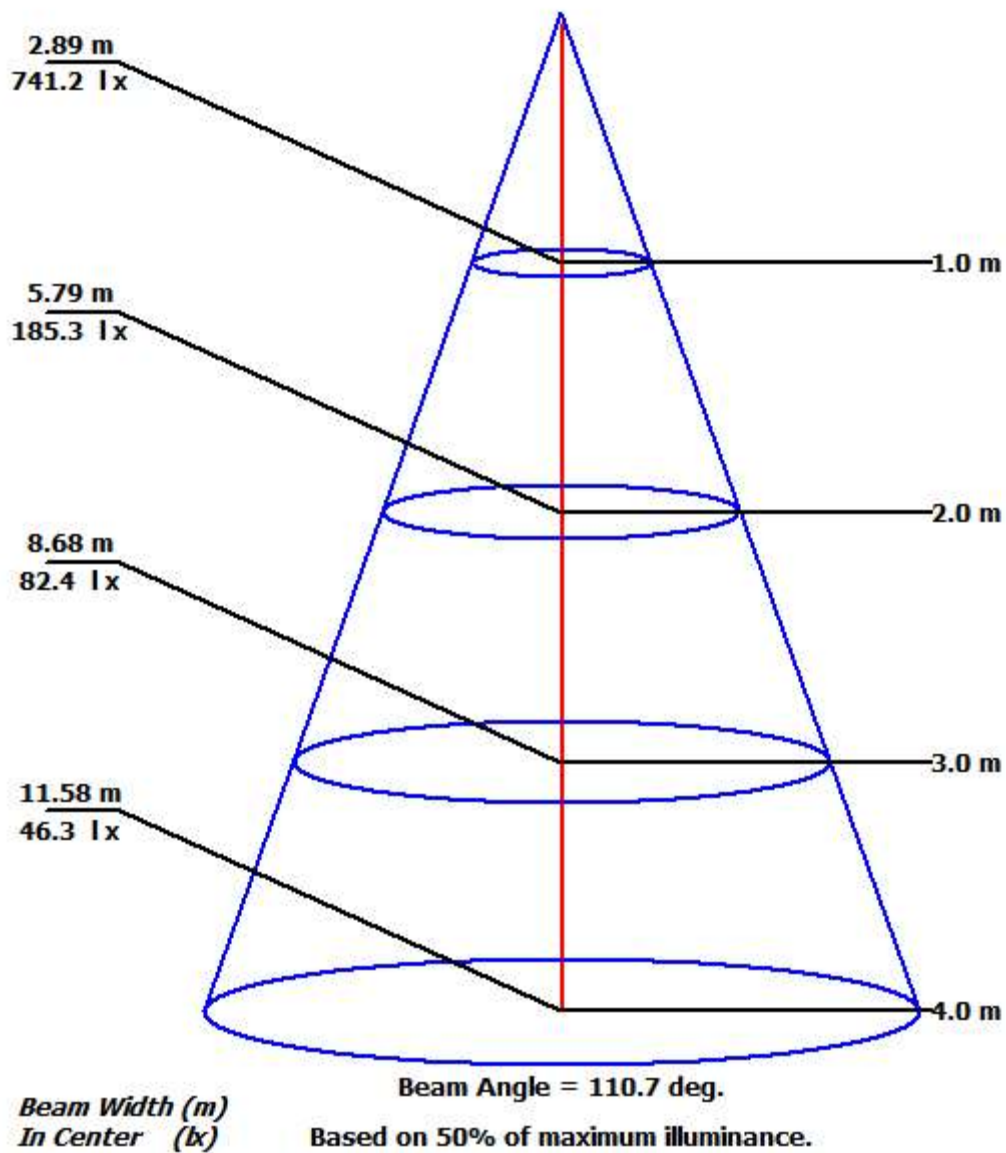
Operator CGR

Total flux (lm) 2028

Power Factor 1

Date 2021-01-12 오후 3:36:40

Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	25.2
Lamp flux (lm)	2028	Current (A)	0.789
Total flux (lm)	2028	Power Factor	1

Report 210112

Filename 210112 FTP 3500K 25.2V.jdt

Operator CGR

Date 2021-01-12 오후 3:36:40

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

