

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 22.8V**5. Test Period :** 210112 ~ 210112**6. Test Environment**

* Ambient Temp. : 19.5 +- 3 °C
* Relative Humidity : 14.0 +- 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 reproduced, 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		0.4160 , 0.3905	
Correlated Color Temperature	K	3290	
Ra		93.15	
Power Factor		1.000	
Input Voltage	V	22.800	
Input Current	A	0.351	
Input Watt	W	8.01	
Lamp Flux	lm	956.6	
Efficient	lm/W	119.53	
luminous Intensity (Max , Center)	cd	341 , 340	
Illuminance	lx	340	1 m
		85	2 m
		38	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) 22.8

Lamp flux (lm) 957

Current (A) 0.351

Total flux (lm) 957

Power Factor 1

Report

210112

Filename 210112 FTP 3500K 22.8V.jdt

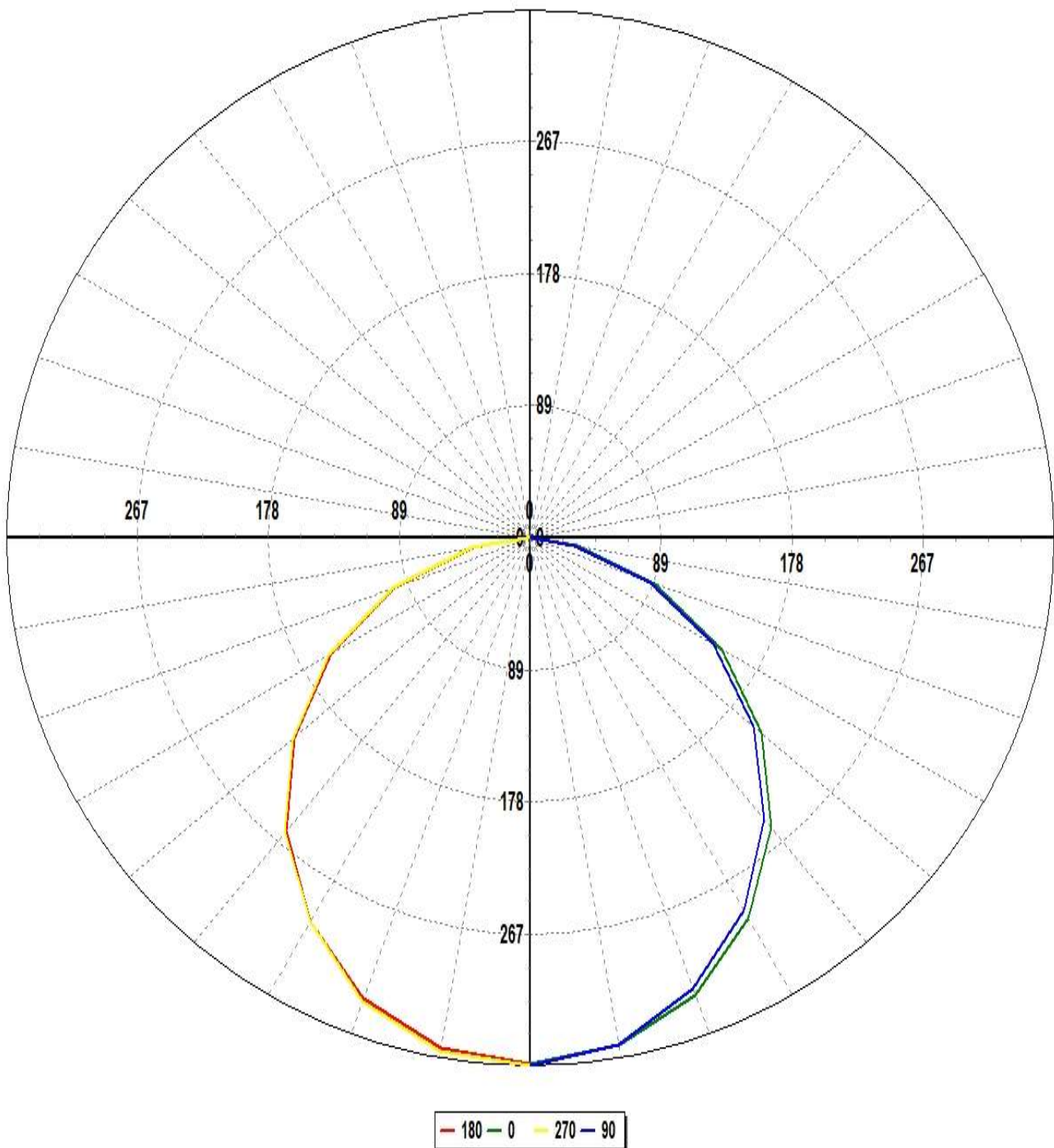
Operator

CGR

Date

2021-01-12 오후 3:25:10

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 22.8

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Lamp flux (lm) 957

Current (A) 0.351

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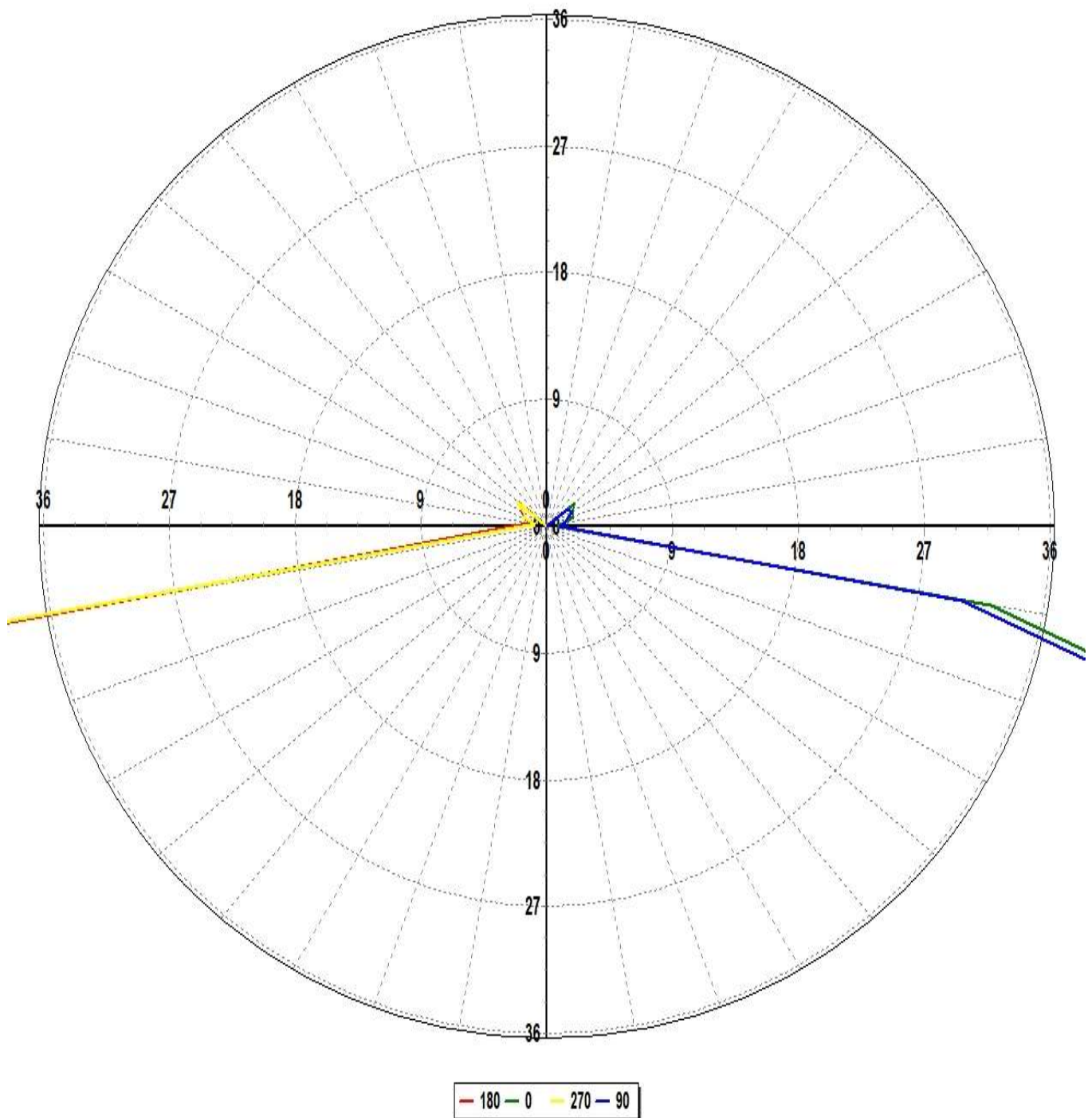
Total flux (lm) 957

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:25:10

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	22.8	Report	210112
Lamp flux (lm)	957	Current (A)	0.351	Filename	210112 FTP 3500K 22.8V.jdt
Total flux (lm)	957	Power Factor	1	Operator	CGR
				Date	2021-01-12 오후 3:25:10

Luminous Intensity Data

Maximum (cd) : 341

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	339.66	340.98	340.57	340.66	339.72	341.09	339.66	340.98	340.57	340.66	339.72
10	332.64	332.27	332.76	331.92	331.31	333.34	334.72	335.53	335.29	336.19	335.68
20	314.56	312.79	312.16	309.43	311.29	312.75	316.7	316.98	317.07	318.39	318.34
30	284.05	280.6	278.99	277.81	280.81	281.28	286.23	288.25	287.28	286.62	286.4
40	243.66	240.08	238.52	236.54	238	242.85	246.94	248.58	247.67	248.2	246.03
50	196.4	193.53	191.7	189.7	192.4	194.25	200.39	202.95	201.33	201.83	200.68
60	143.78	139.1	139.85	137.18	140.43	142.03	149.33	151.3	150.8	151.36	148.41
70	86.05	83.15	83.26	83.37	85.57	85.45	94.1	95.95	93.7	94.47	92.49
80	30.87	28.71	29.06	28.89	31.61	31.66	37.92	40.15	38.77	38.52	36.78
90	0.76	1.42	1.54	0.89	1.64	1.58	2.4	3.08	2.83	1.61	2.02
100	1.11	1	1.47	1.26	1.39	0.73	1.05	1.45	1.49	0.84	1.77
110	1.93	1.54	1.86	1.49	0.91	1.17	1.57	1.7	1.8	1.71	1.59
120	2.04	1.69	1.8	2	1.89	2.09	2.06	2.32	1.89	1.74	2.06
130	2.52	2.43	1.45	1.81	2	2.35	2.6	2.59	2.2	2.7	1.88

Luminaire

Lamp

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Total flux (lm)	957	Power Factor	1	Operator	CGR
				Date	2021-01-12 오후 3:25:10

Luminous Intensity Data (Continued)

Maximum (cd) : 341

Minimum (cd) : 1

G/C	330	360
0	341.09	339.66
10	334.64	332.64
20	316.75	314.56
30	289.01	284.05
40	248.5	243.66
50	203.36	196.4
60	149.7	143.78
70	93.35	86.05
80	37.25	30.87
90	2.15	0.76
100	1.55	1.11
110	1.89	1.93
120	2.08	2.04
130	2.25	2.52

Luminaire

Lamp

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Total flux (lm)	957	Power Factor	1

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Luminous Flux Table

Total Lamp Lumens: 957

Luminaire Efficiency (lm/W): 956.62

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.14	8.14	0.85	0.85
10	63.50	71.63	7.49	7.49
20	117.91	189.54	19.81	19.81
30	155.49	345.04	36.07	36.07
40	171.63	516.67	54.01	54.01
50	165.60	682.27	71.32	71.32
60	137.79	820.06	85.73	85.72
70	91.85	911.91	95.33	95.33
80	36.87	948.78	99.18	99.18
90	2.00	950.78	99.39	99.39
100	1.36	952.14	99.53	99.53
110	1.64	953.78	99.71	99.70
120	1.87	955.65	99.90	99.90
130	0.97	956.62	100.00	100.00

Luminaire

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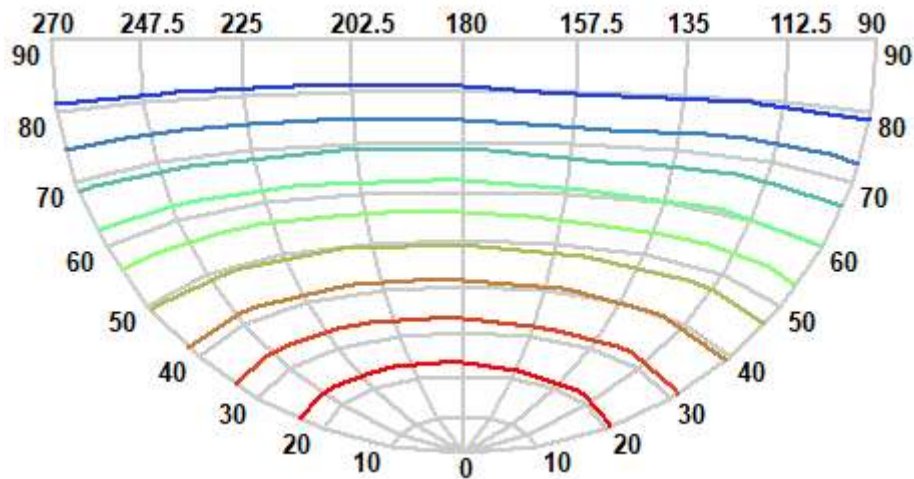
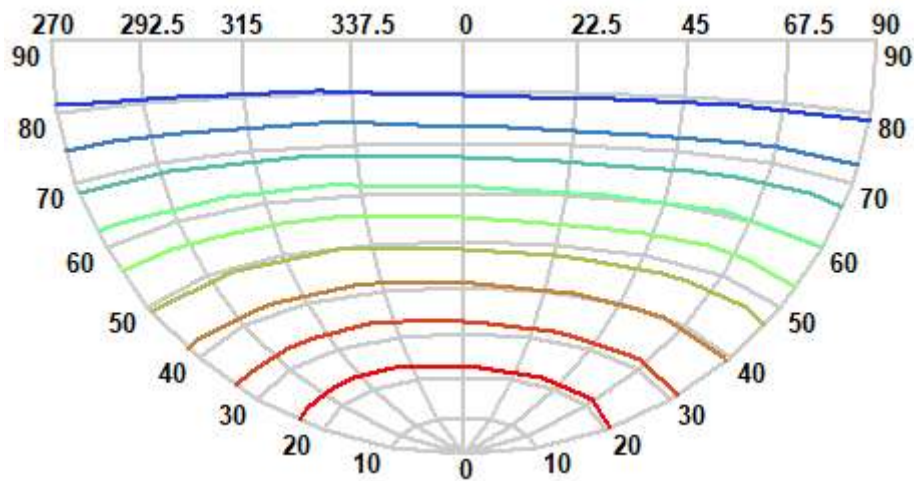
Total flux (lm) 957

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:25:10

IsoCandela (Type C)



1 ~ 35
 35 ~ 69
 69 ~ 103
 103 ~ 137
 137 ~ 171

171 ~ 205
 205 ~ 239
 239 ~ 273
 273 ~ 307
 307 ~ 341

Luminaire

Lamp

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Lamp flux (lm) 957

Current (A) 0.351

Total flux (lm) 957

Power Factor 1

Report

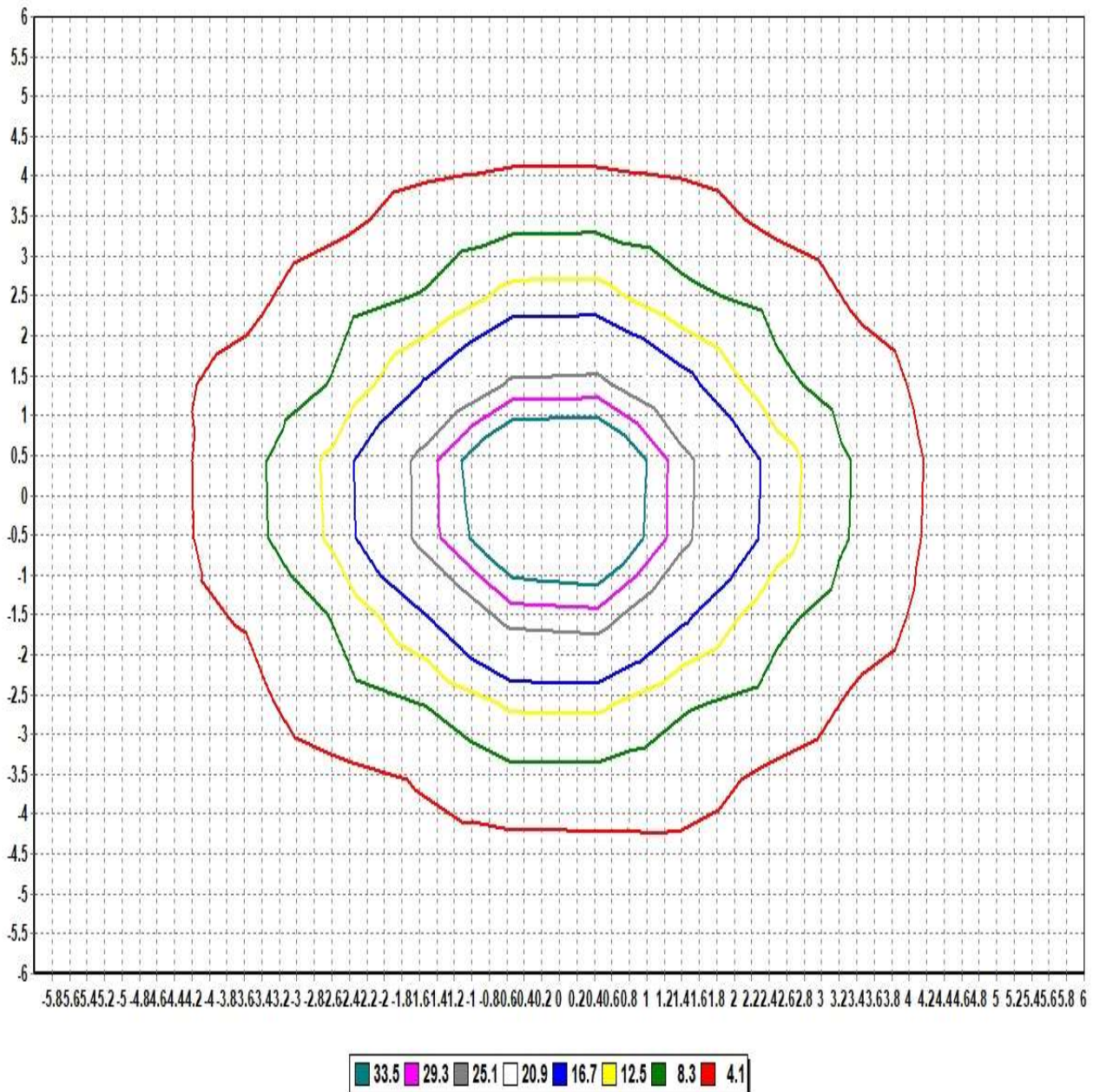
210112

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

No. of lamps 1

Voltage (V) 22.8

Report

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Lamp flux (lm) 957

Current (A) 0.351

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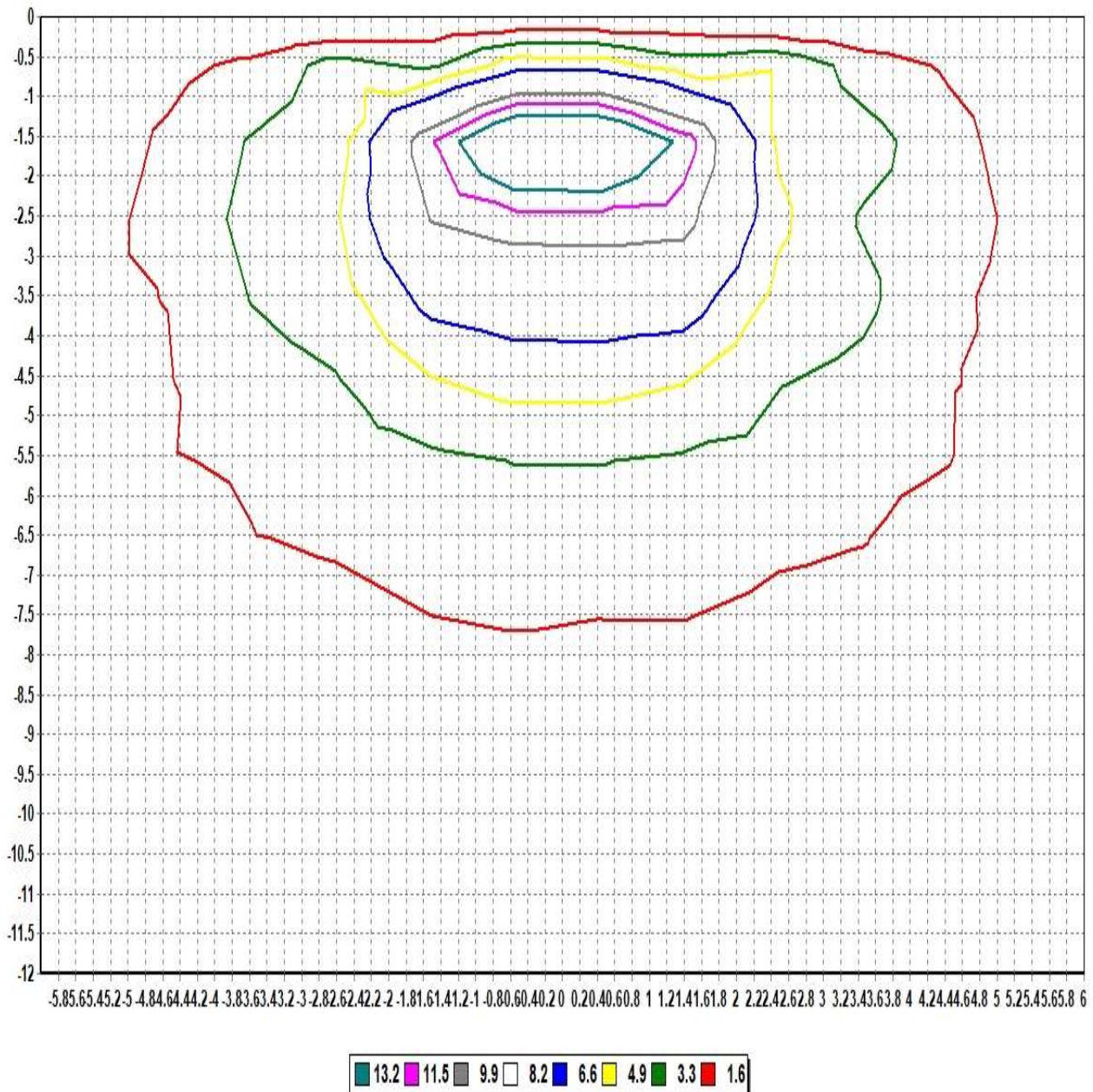
Total flux (lm) 957

Power Factor 1

Operator CGR

Date 2021-01-12 오후 3:25:10

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)	22.8
Lamp flux (lm)	957	Current (A)	0.351
Total flux (lm)	957	Power Factor	1

Report 210112

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Date 2021-01-12 오후 3:25:10

Illuminance Levels (Ground)

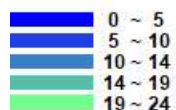
6.00	0.48	0.64	0.51	0.68	0.84	0.96	1.01	0.96	0.84	0.67	0.51	0.64	0.49
5.00	0.65	0.56	0.80	1.11	2.15	2.53	2.67	2.52	2.16	1.13	0.80	0.56	0.66
4.00	0.52	0.82	1.84	2.67	2.76	3.50	3.80	3.50	2.75	2.70	1.87	0.82	0.52
3.00	0.69	1.15	2.73	3.22	6.56	7.27	8.17	7.33	6.61	3.28	2.75	1.16	0.67
2.00	0.85	2.17	2.77	6.70	9.39	15.00	17.86	15.13	9.58	6.74	2.76	2.18	0.85
1.00	1.04	2.63	3.67	7.34	15.05	27.33	37.46	27.63	15.16	7.40	3.70	2.66	1.04
0.00	1.11	2.83	4.08	8.61	18.55	37.80	46.59	37.56	18.34	8.45	3.96	2.76	1.05
-1.00	1.01	2.61	3.66	7.67	15.66	28.05	37.96	28.04	15.53	7.66	3.69	2.64	1.02
-2.00	0.93	2.28	2.97	6.87	9.87	15.66	18.61	15.53	9.85	6.91	2.92	2.27	0.92
-3.00	0.76	1.23	2.83	3.46	6.89	7.68	8.67	7.64	6.89	3.45	2.86	1.23	0.74
-4.00	0.58	0.89	1.96	2.85	2.97	3.77	4.12	3.77	2.93	2.84	1.95	0.88	0.57
-5.00	0.69	0.62	0.89	1.24	2.29	2.69	2.85	2.68	2.27	1.24	0.89	0.61	0.69
-6.00	0.53	0.70	0.57	0.76	0.93	1.07	1.12	1.07	0.92	0.74	0.57	0.69	0.52
-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.) : 46.6

Illum. (Min.) : 0.48

Illum. (Avg.) : 5.37

All illuminance level values are in lux.



Luminaire

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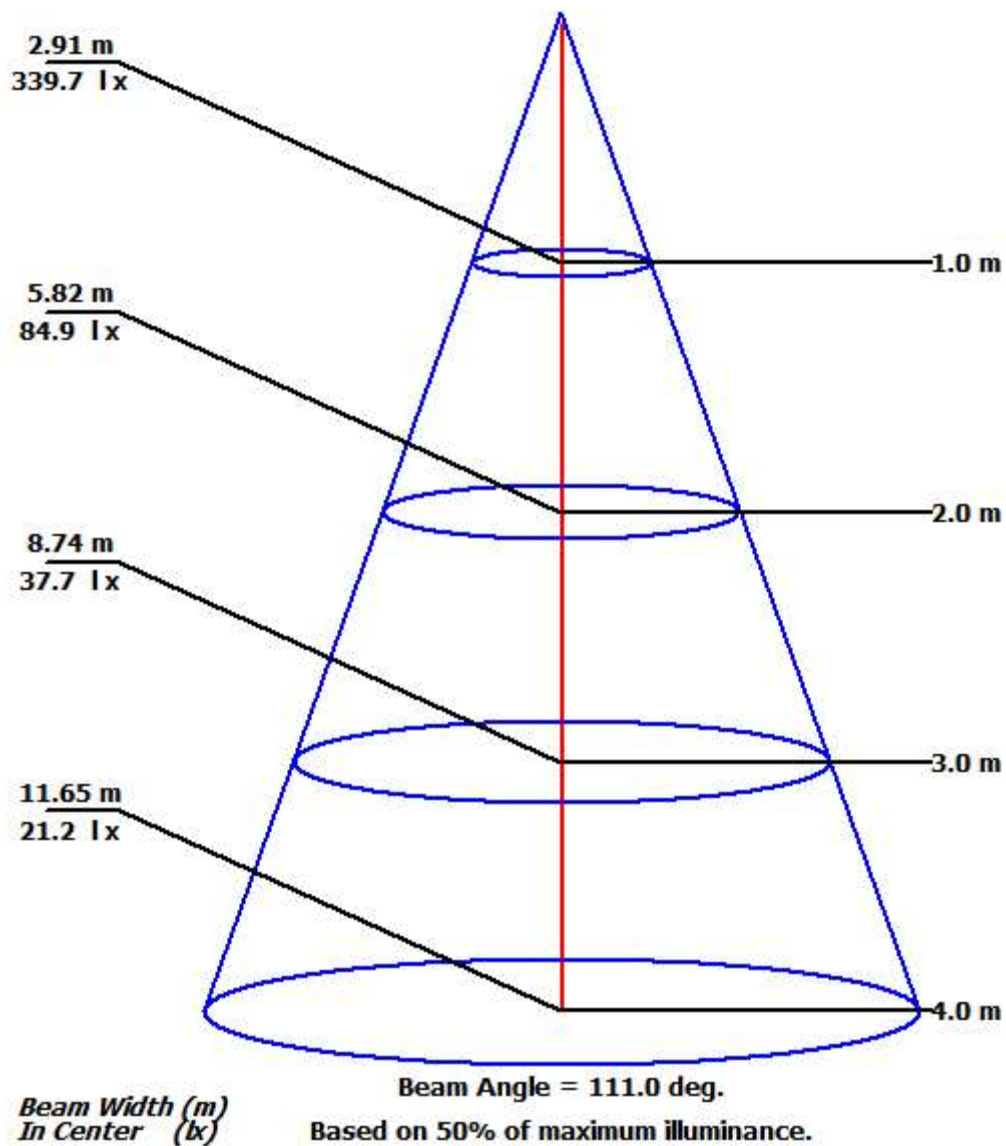
Total flux (lm) 957

Power Factor 1

Operator CGR

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Illuminance Cone Diagram





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

