

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 : 210323

2. Purpose of Report :

3. Number of Report : 210323

4. Test Standard / Item : / 210323 FTP 24K-24V-C90-1M

5. Test Period : 210323 ~ 210323

6. Test Environment

* Ambient Temp. : 21.8 +- 3 °C
* Relative Humidity : 28.1 +- 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
210323			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4891 , 0.4093	
Correlated Color Temperature	K	2342	
Ra		93.25	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.614	
Input Watt	W	14.74	
Lamp Flux	lm	1438.1	
Efficient	lm/W	97.59	
luminous Intensity (Max , Center)	cd	495 , 494	
Illuminance	lx	494	1 m
		124	2 m
		55	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) 24

Lamp flux (lm) 1438

Current (A) 0.614

Total flux (lm) 1438

Power Factor 1

Report

210323

Filename 210323 FTP 24K-24V-C90-1M.jdt

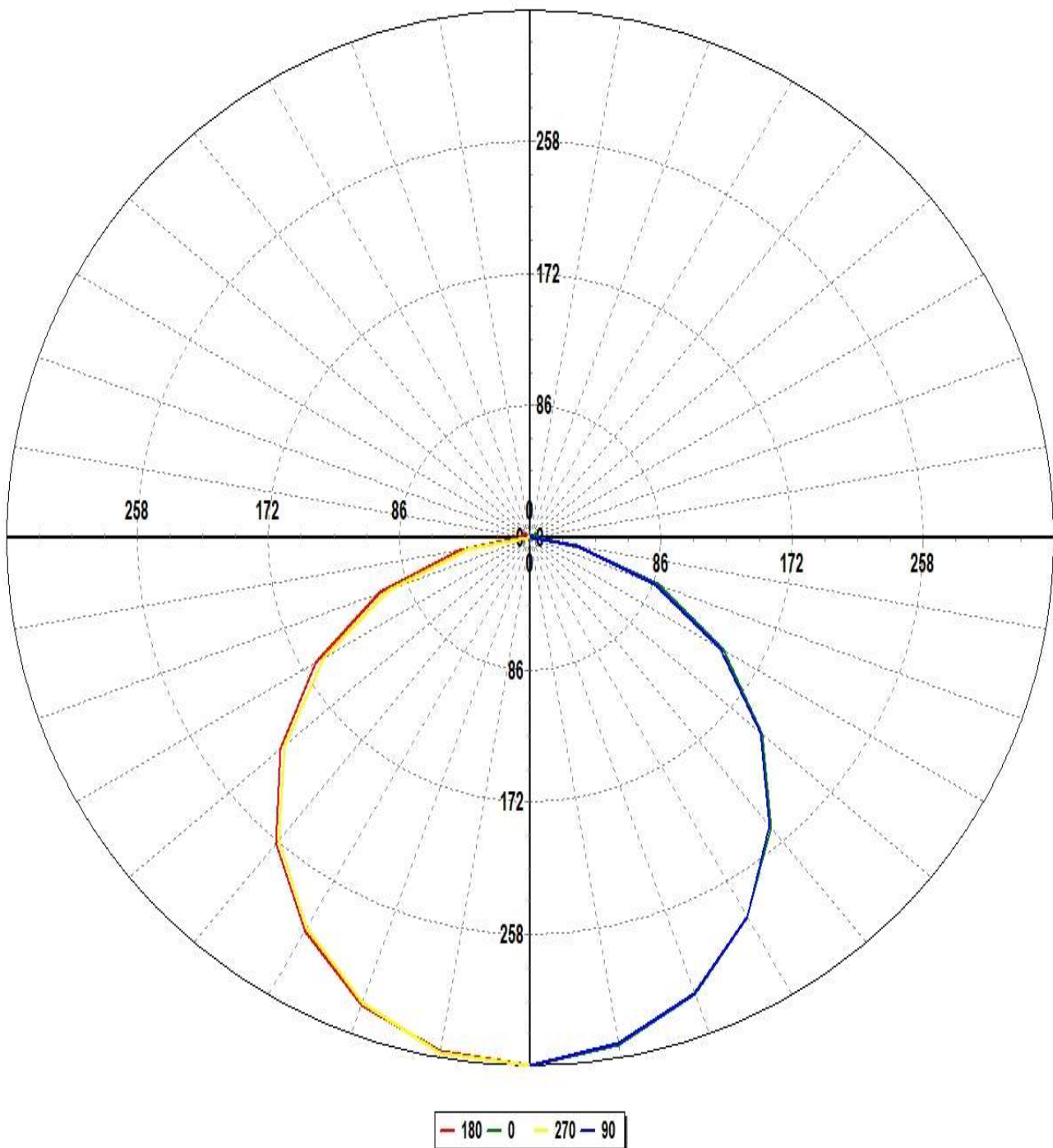
Operator

CGR

Date

2021-03-23 오후 4:23:09

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

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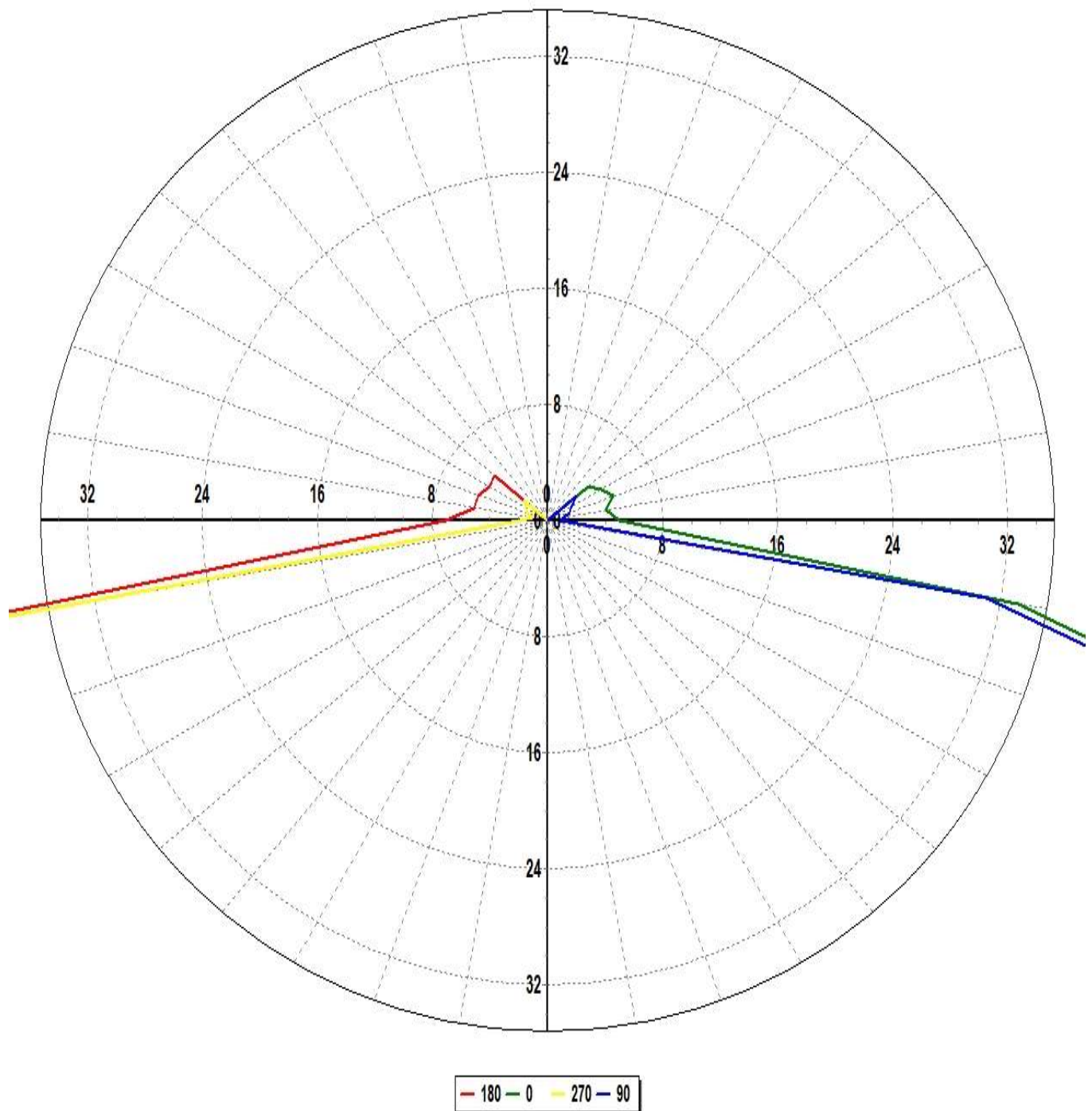
Operator

CGR

Date

2021-03-23 오후 4:23:09

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	210323
Lamp flux (lm)	1438	Current (A)	0.614	Filename	210323 FTP 24K-24V-C90-1M.jdt
Total flux (lm)	1438	Power Factor	1	Operator	CGR
				Date	2021-03-23 오후 4:23:09

Luminous Intensity Data

Maximum (cd) : 495

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	494.36	490.84	495.38	493.87	492.12	492.6	494.36	490.84	495.38	493.87	492.12
10	481.9	479.87	481.91	480.86	484.41	484.87	488.51	488.84	489.71	489.13	483.02
20	455	453.26	452.62	454.53	457.67	461.36	466.05	466.64	464.61	464.03	458.17
30	410.66	406.84	406.1	409.72	413.84	418.4	425.45	427.94	426.99	421.9	415.12
40	354.55	349.87	351.49	351.6	359.85	365.9	373.79	376.35	372.06	369	359.31
50	286.6	283.21	283.34	283.73	293	300.53	308.05	310.9	308.07	302.1	293.53
60	211.13	206.4	205.73	207.17	217.5	224.77	233.44	236.32	231.48	224.87	218.88
70	128.29	123.24	123.61	125.03	135.79	141.96	150.49	153.79	149.72	142.76	135.19
80	47.8	43.71	43.36	44.5	53.38	58.44	67.52	71.37	64.98	58.98	53.23
90	7.2	5.82	3.5	1.26	4.74	7.96	10.13	10.39	7.19	2.69	4.07
100	5.9	5.64	3.82	1.65	4.57	6.45	7.46	5.42	3.7	1.59	4.01
110	7.04	5.58	3.66	2.32	4.18	6.27	7.36	6.14	3.93	2.21	3.79
120	6.18	4.92	2.72	2.77	2.51	5.59	6.75	5.64	2.52	2.47	3
130	5.37	3.92	4.13	3.8	4.92	3.57	6.87	4.96	3.68	3.07	3.69

Luminaire

Lamp

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Total flux (lm)	1438	Power Factor	1	Operator	CGR
				Date	2021-03-23 오후 4:23:09

Luminous Intensity Data (Continued)

Maximum (cd) : 495

Minimum (cd) : 1

G/C	330	360
0	492.6	494.36
10	483.48	481.9
20	456.14	455
30	415.17	410.66
40	360.2	354.55
50	293.61	286.6
60	217.78	211.13
70	134.93	128.29
80	53.37	47.8
90	7.06	7.2
100	5.2	5.9
110	5.78	7.04
120	5.29	6.18
130	5.59	5.37

Luminaire

Lamp

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Luminous Flux Table

Total Lamp Lumens:	1438
Luminaire Efficiency (lm/W):	1438.11
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	11.79	11.79	0.82	0.82
10	92.18	103.98	7.23	7.23
20	172.00	275.98	19.19	19.19
30	228.09	504.07	35.05	35.05
40	254.85	758.91	52.77	52.77
50	247.97	1006.88	70.01	70.01
60	208.31	1215.19	84.50	84.50
70	141.07	1356.26	94.31	94.31
80	59.38	1415.64	98.44	98.44
90	6.57	1422.21	98.90	98.89
100	4.98	1427.19	99.24	99.24
110	5.00	1432.19	99.59	99.59
120	3.98	1436.17	99.87	99.87
130	1.94	1438.11	100.00	100.00

Luminaire

Lamp

No. of lamps 1

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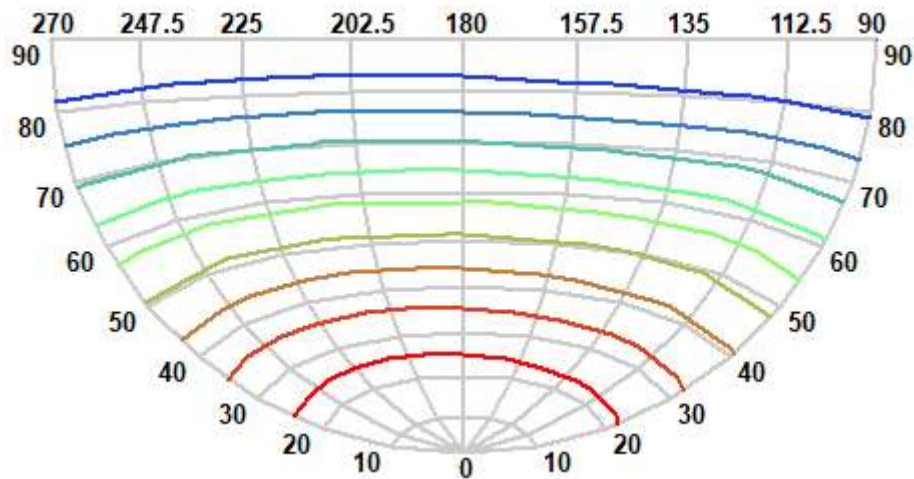
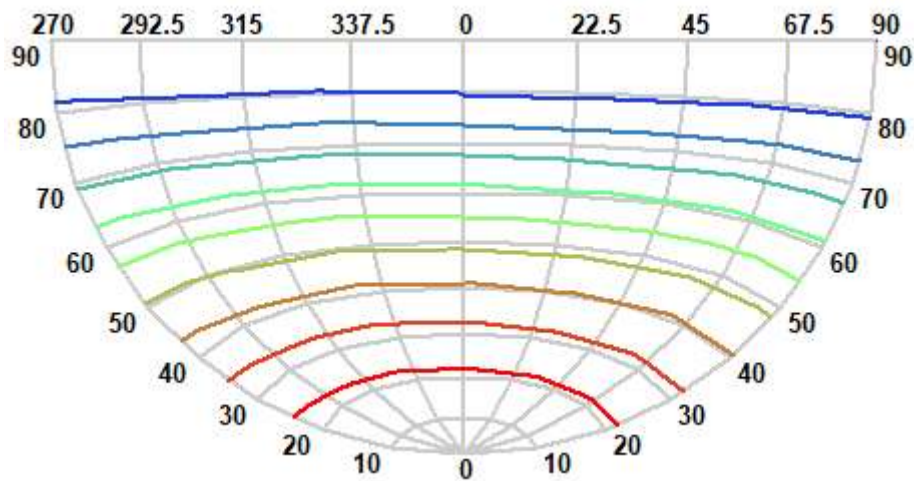
Total flux (lm) 1438

Power Factor 1

Operator CGR

Date 2021-03-23 오후 4:23:09

IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

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Report

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Lamp flux (lm) 1438

Current (A) 0.614

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Total flux (lm) 1438

Power Factor 1

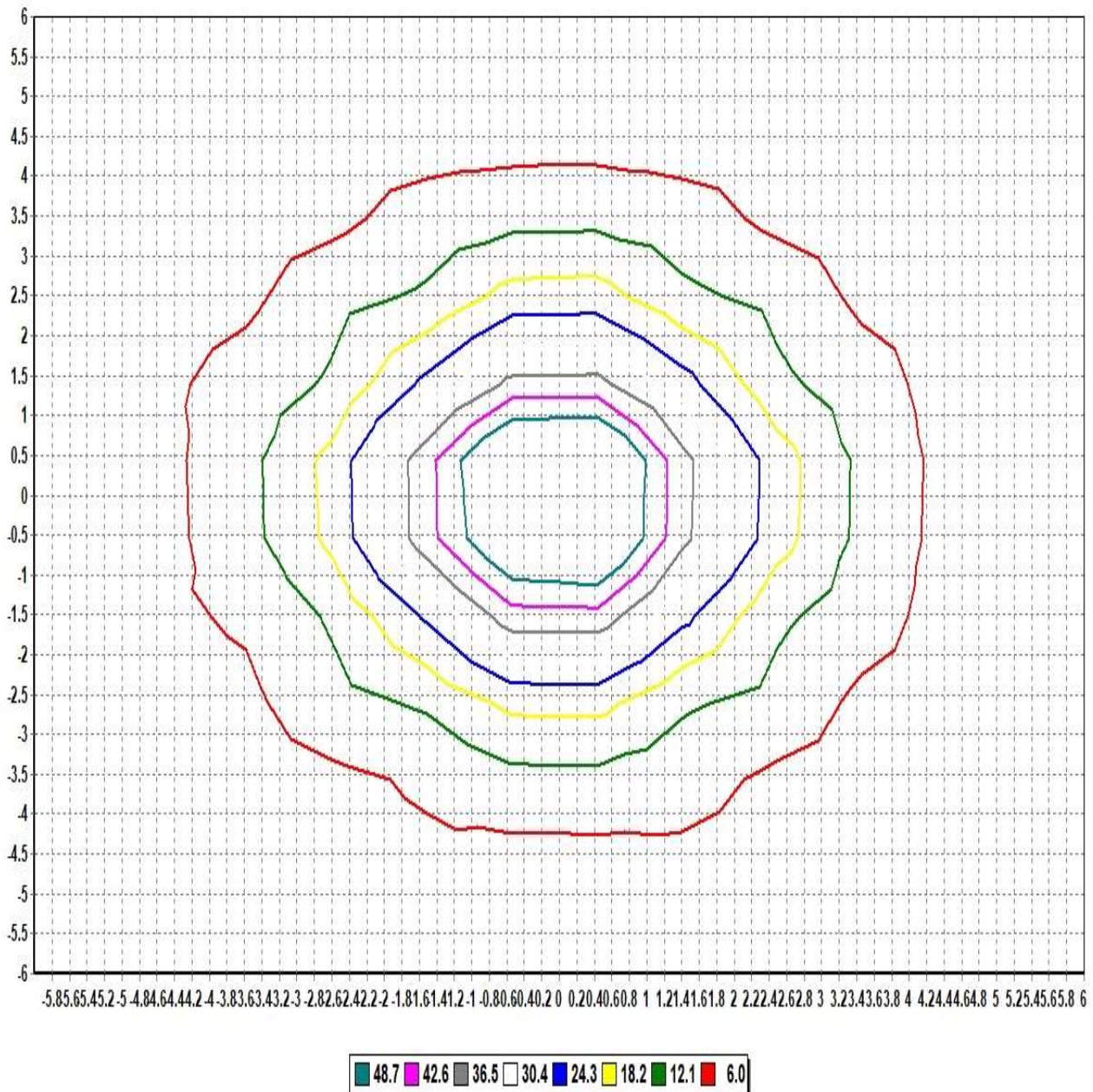
Operator

CGR

Date

2021-03-23 오후 4:23:09

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

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Lamp flux (lm) 1438

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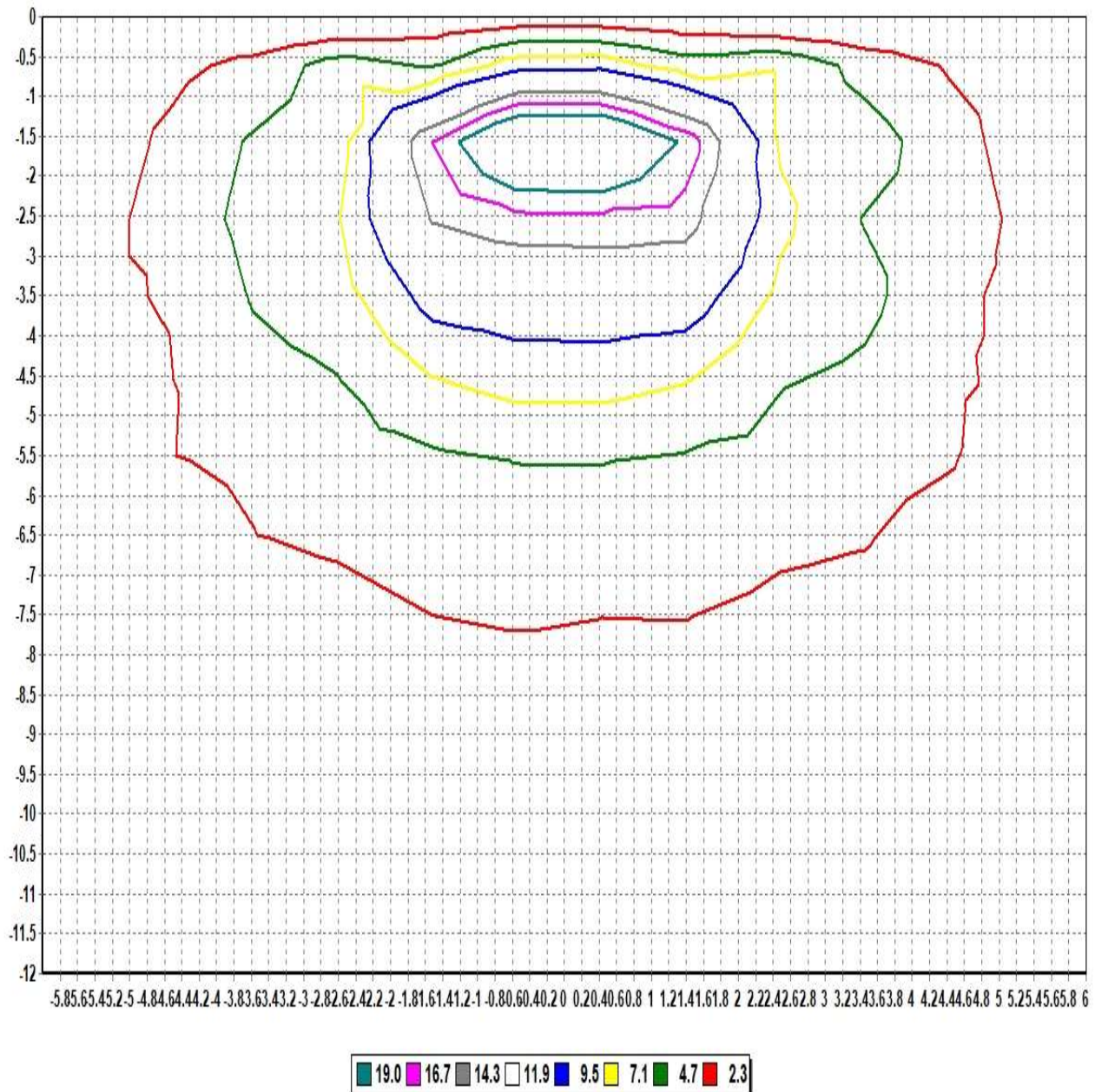
Power Factor 1

Operator

CGR

Date 2021-03-23 오후 4:23:09

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

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Lamp flux (lm)	1438	Current (A)	0.614
Total flux (lm)	1438	Power Factor	1

Report 210323

Filename 210323 FTP 24K-24V-C90-1M.jdt

Operator CGR

Date 2021-03-23 오후 4:23:09

Illuminance Levels (Ground)

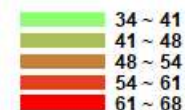
6.00	0.74	0.97	0.77	1.07	1.30	1.43	1.51	1.44	1.24	0.99	0.76	0.95	0.72
5.00	1.03	0.86	1.22	1.68	3.27	3.76	3.99	3.76	3.18	1.66	1.18	0.83	0.97
4.00	0.86	1.32	2.79	4.02	4.26	5.22	5.72	5.22	4.07	3.98	2.75	1.21	0.78
3.00	1.09	1.85	4.22	4.91	9.78	10.99	12.21	10.76	9.74	4.83	4.02	1.71	1.00
2.00	1.36	3.33	4.30	10.17	14.14	22.62	26.46	22.07	13.98	9.82	4.08	3.19	1.25
1.00	1.65	4.07	5.72	11.24	22.72	40.26	54.30	40.00	22.09	10.81	5.39	3.87	1.52
0.00	1.76	4.35	6.33	13.19	27.88	55.18	67.81	54.41	26.62	12.32	5.80	4.04	1.55
-1.00	1.62	4.04	5.71	11.76	23.69	41.58	55.24	40.86	22.65	11.15	5.38	3.84	1.49
-2.00	1.48	3.52	4.63	10.44	15.06	23.67	27.57	22.71	14.55	10.01	4.30	3.31	1.34
-3.00	1.21	1.94	4.36	5.38	10.41	11.75	12.95	11.27	10.24	5.11	4.14	1.78	1.08
-4.00	0.92	1.41	3.03	4.36	4.62	5.70	6.15	5.71	4.32	4.23	2.89	1.28	0.82
-5.00	1.08	0.99	1.40	1.93	3.52	4.05	4.26	4.07	3.34	1.86	1.32	0.91	1.01
-6.00	0.82	1.08	0.91	1.21	1.48	1.62	1.68	1.65	1.36	1.09	0.86	1.03	0.77
-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.) : 67.8

Illum. (Min.) : 0.72

Illum. (Avg.) : 7.97

All illuminance level values are in lux.



Luminaire

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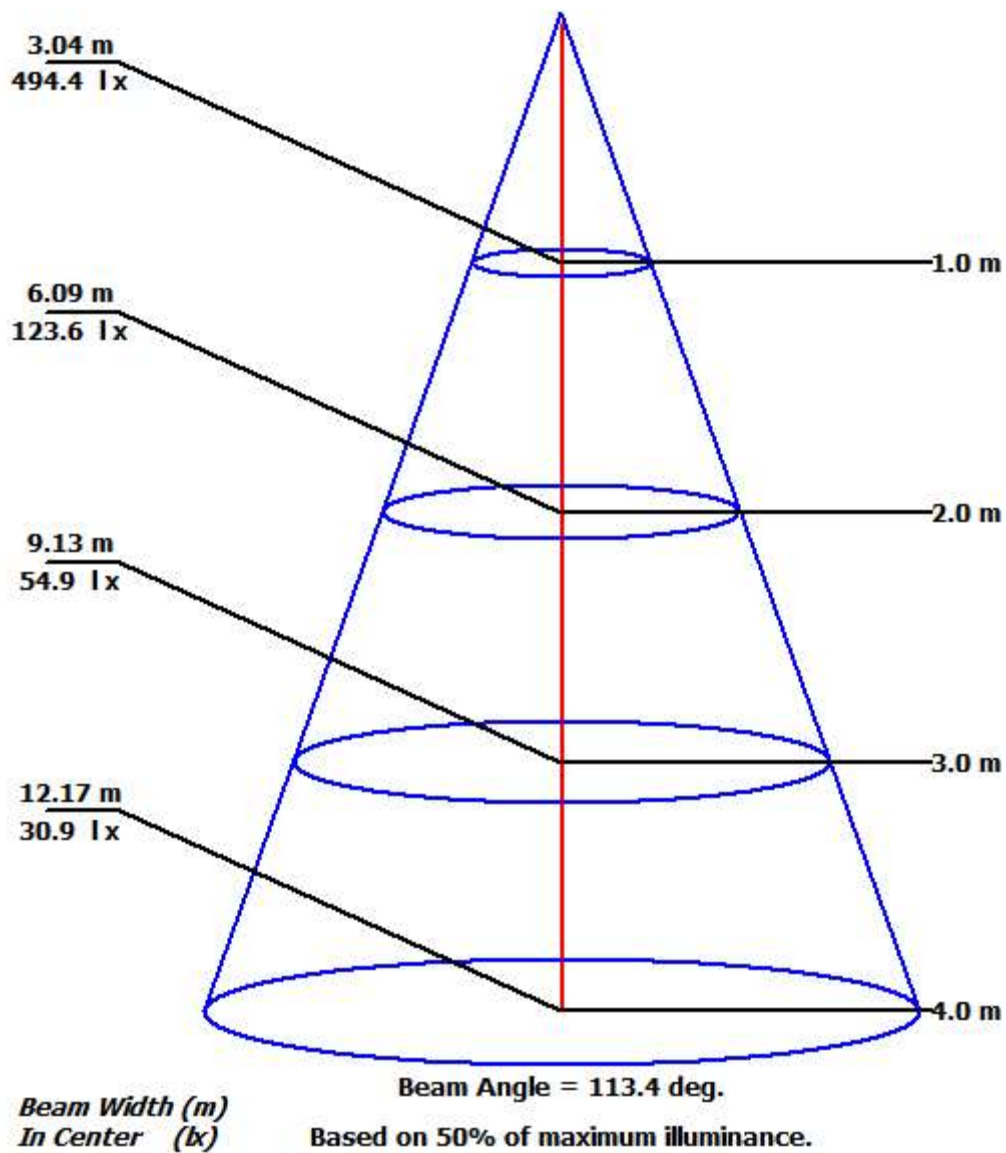
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Illuminance Cone Diagram





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

