

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 : 200604

2. Purpose of Report :

3. Number of Report : 200604

4. Test Standard / Item : / 200604 NMP5 35K-24V-CI-BK

5. Test Period : 200604 ~ 200604

6. Test Environment

* Ambient Temp. : 24.8 +- 3 °C
* Relative Humidity : 66.3 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* 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
200604	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4042 , 0.3848	
Correlated Color Temperature	K	3491	
Ra		93.05	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.210	
Input Watt	W	5.04	
Lamp Flux	lm	294.5	
Efficient	lm/W	58.43	
luminous Intensity (Max , Center)	cd	71 , 53	
Illuminance	lx	53	1 m
		13	2 m
		6	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) 295

Current (A) 0.21

Total flux (lm) 295

Power Factor 1

Report

200604

Filename 200604 NMP5 35K-24V-CI-BK.jdt

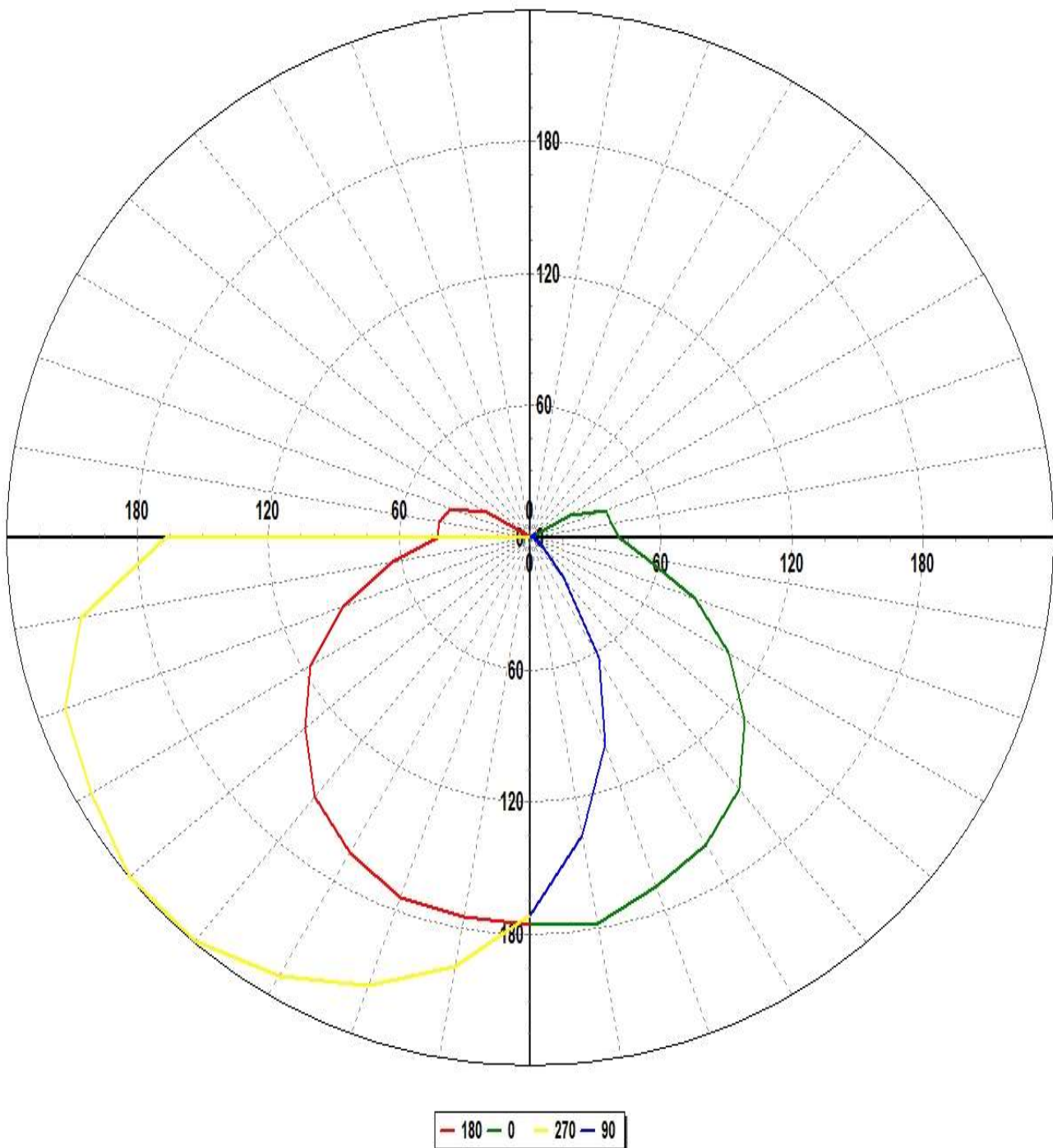
Operator

CGR

Date

2020-06-04 오후 5:12:42

Luminous Intensity Distribution



Luminaire

Lamp

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200604

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Power Factor 1

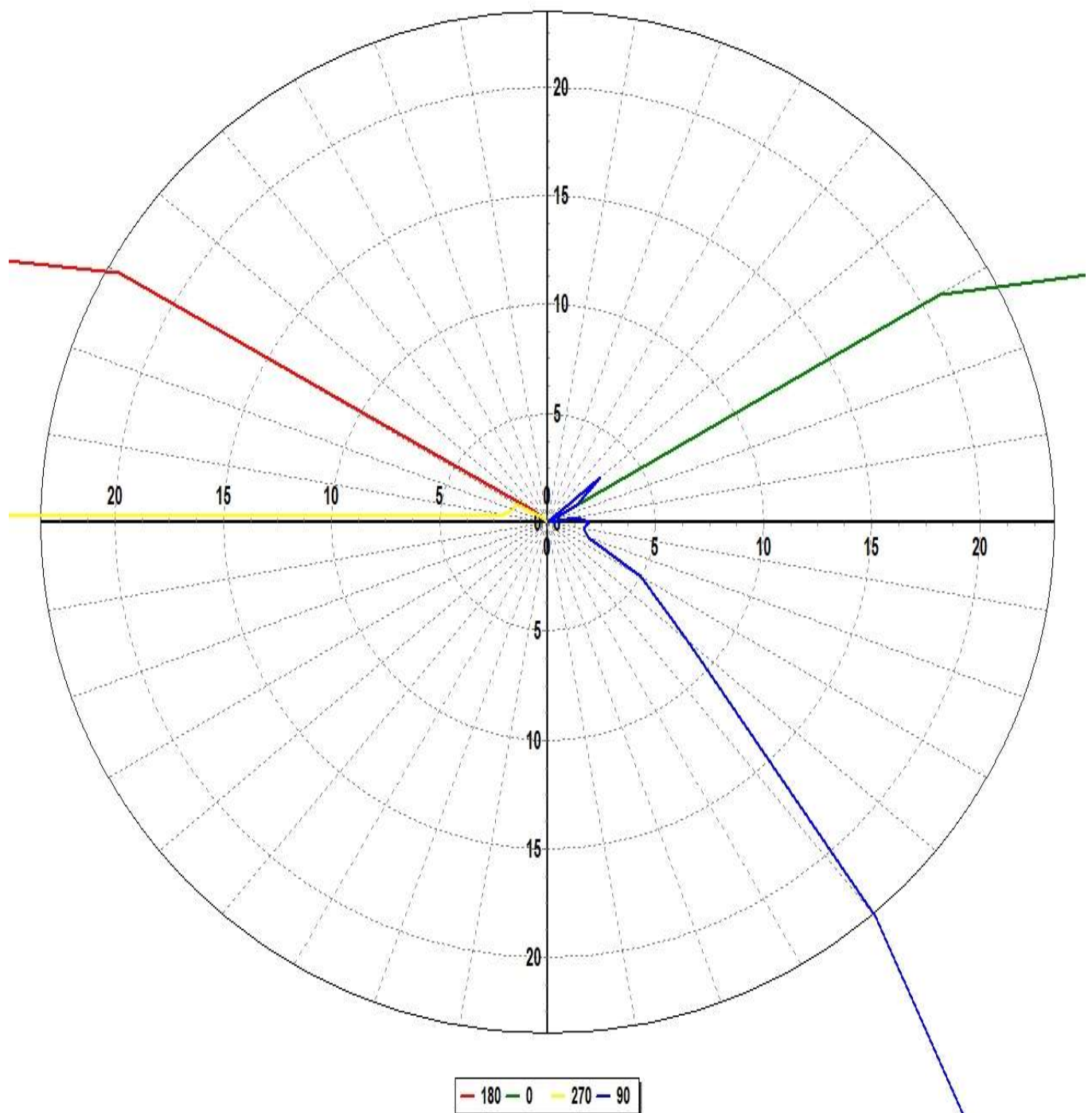
Operator

CGR

Date

2020-06-04 오후 5:12:42

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	295	Current (A)	0.21	Filename	200604 NMP5 35K-24V-CI-BK.jdt
Total flux (lm)	295	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 5:12:42

Luminous Intensity Data

Maximum (cd) : 71

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	51.74	51.23	50.89	50.66	50.69	49.98	51.74	51.23	50.89	50.66	50.69	49.98	51.74
10	52.53	48.27	43.98	40.49	41.98	46.4	51.55	55.36	57.75	58.29	56.54	53.99	52.53
20	49.82	46.01	40.1	29.47	38.05	45.57	51.26	56.78	63.09	63.86	60.55	55.51	49.82
30	47.47	43.93	36.98	18.54	35.77	43.57	48.73	58.79	66.34	67.66	64.28	55.99	47.47
40	43.92	39.58	32.62	6.97	31.35	40.33	45.19	58.38	67.46	70.39	65.39	55.39	43.92
50	37.89	33.38	27.07	2.48	27.11	35.44	39.65	56.61	66.7	70.7	64.62	52.39	37.89
60	30.98	27.9	22.03	1.46	22.26	29.44	34.27	51.68	64.38	68.36	62.44	48.22	30.98
70	23.7	20.14	15	0.6	16.66	22.1	26.88	46.32	59.4	66.86	58.21	41.65	23.7
80	15.93	12.29	8.77	0.5	10.06	15.34	18.87	39.01	53.17	61.68	51.41	35.43	15.93
90	12.07	9.87	5.69	0.57	5.29	9.94	12.47	32.84	48.15	49.29	46.67	30.96	12.07
100	11.11	9.1	5.16	0.4	5.31	9.84	12.51	30.8	45.39	0.61	44.29	30.18	11.11
110	10.9	9.07	4.74	-0.15	4.76	7.95	11.39	28.29	30.17	0.51	38.61	27.74	10.9
120	6.18	7.86	2.48	0.45	1.97	7.53	6.75	25.7	19.79	0.49	26.79	24.05	6.18
130	-0.17	2.81	2.14	0.94	2.89	2.5	0.22	15.8	9.73	0.1	7.13	14.67	-0.17

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	295	Current (A)	0.21
Total flux (lm)	295	Power Factor	1

Report

Report	200604
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Operator	CGR
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Luminous Flux Table

Total Lamp Lumens:	295
Luminaire Efficiency (lm/W):	294.53
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.22	1.22	0.41	0.41
10	9.62	10.84	3.68	3.68
20	18.73	29.57	10.04	10.04
30	26.84	56.41	19.15	19.15
40	32.68	89.08	30.25	30.24
50	35.94	125.02	42.45	42.45
60	36.63	161.65	54.89	54.88
70	34.09	195.75	66.47	66.46
80	28.98	224.73	76.31	76.30
90	24.08	248.81	84.48	84.47
100	18.40	267.21	90.73	90.72
110	14.92	282.13	95.80	95.79
120	10.28	292.41	99.29	99.28
130	2.13	294.53	100.01	100.00

Luminaire

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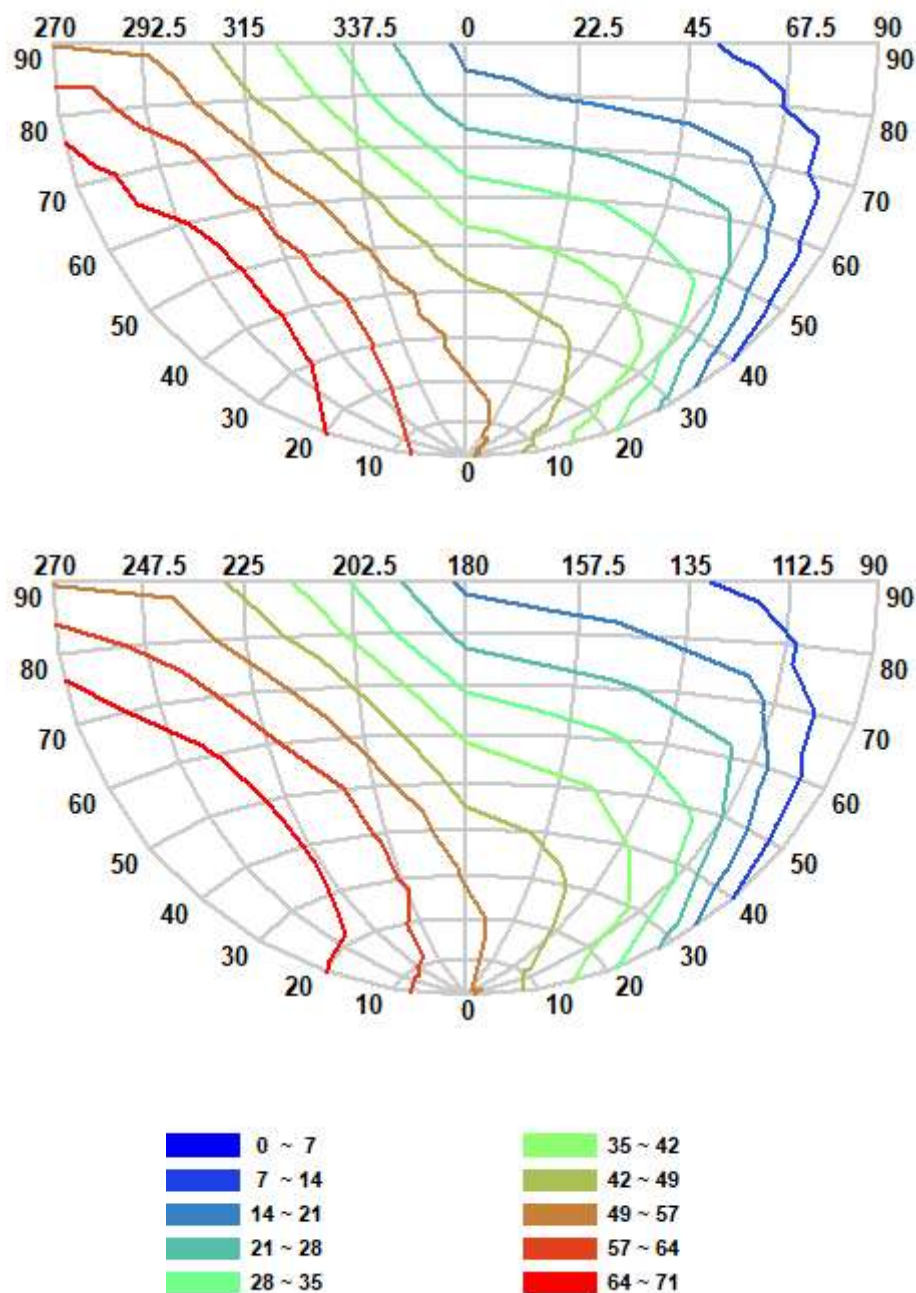
Power Factor 1

Operator

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Date 2020-06-04 오후 5:12:42

IsoCandela (Type C)



Luminaire

Lamp

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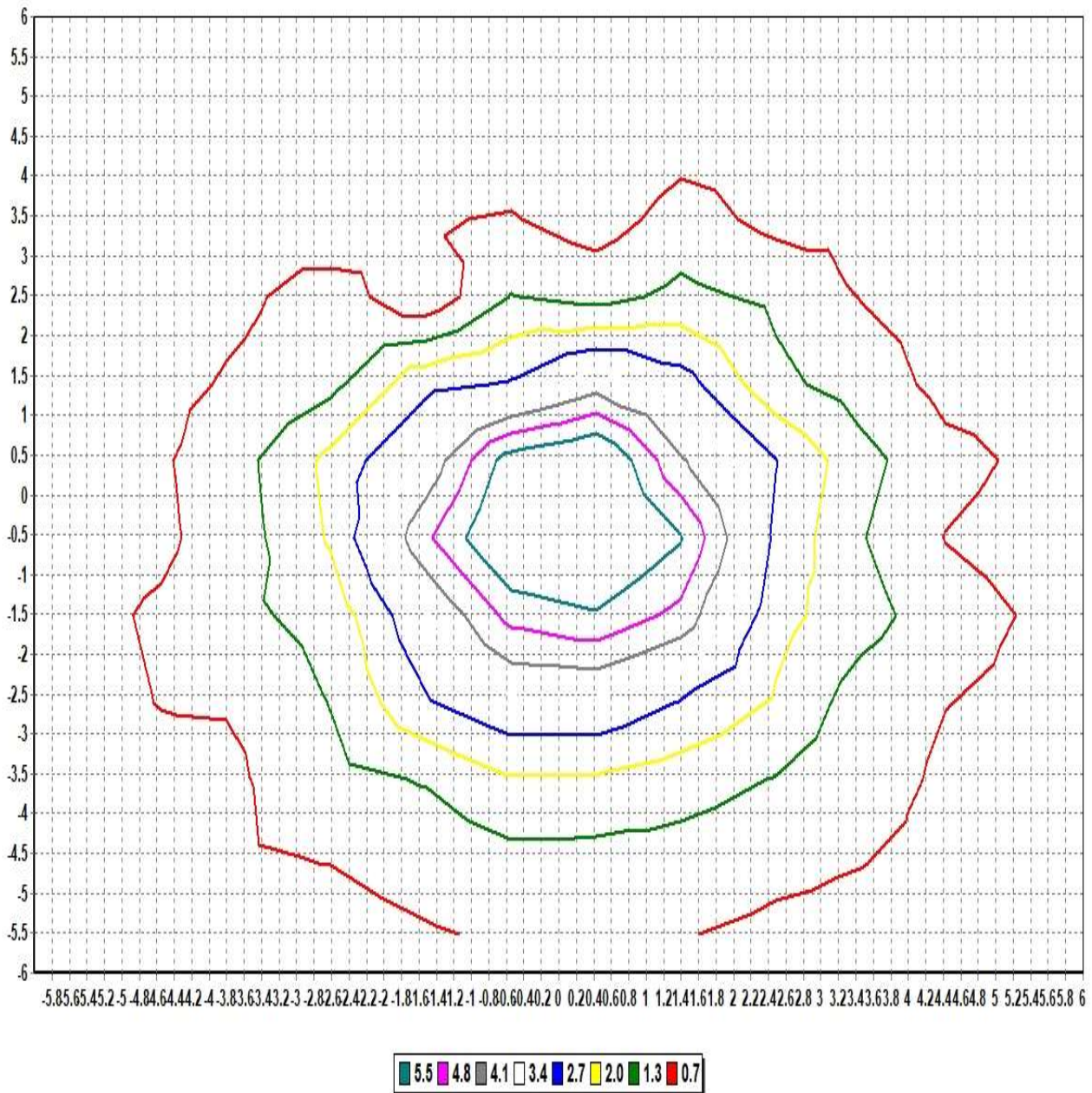
Power Factor 1

Operator

CGR

Date 2020-06-04 오후 5:12:42

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

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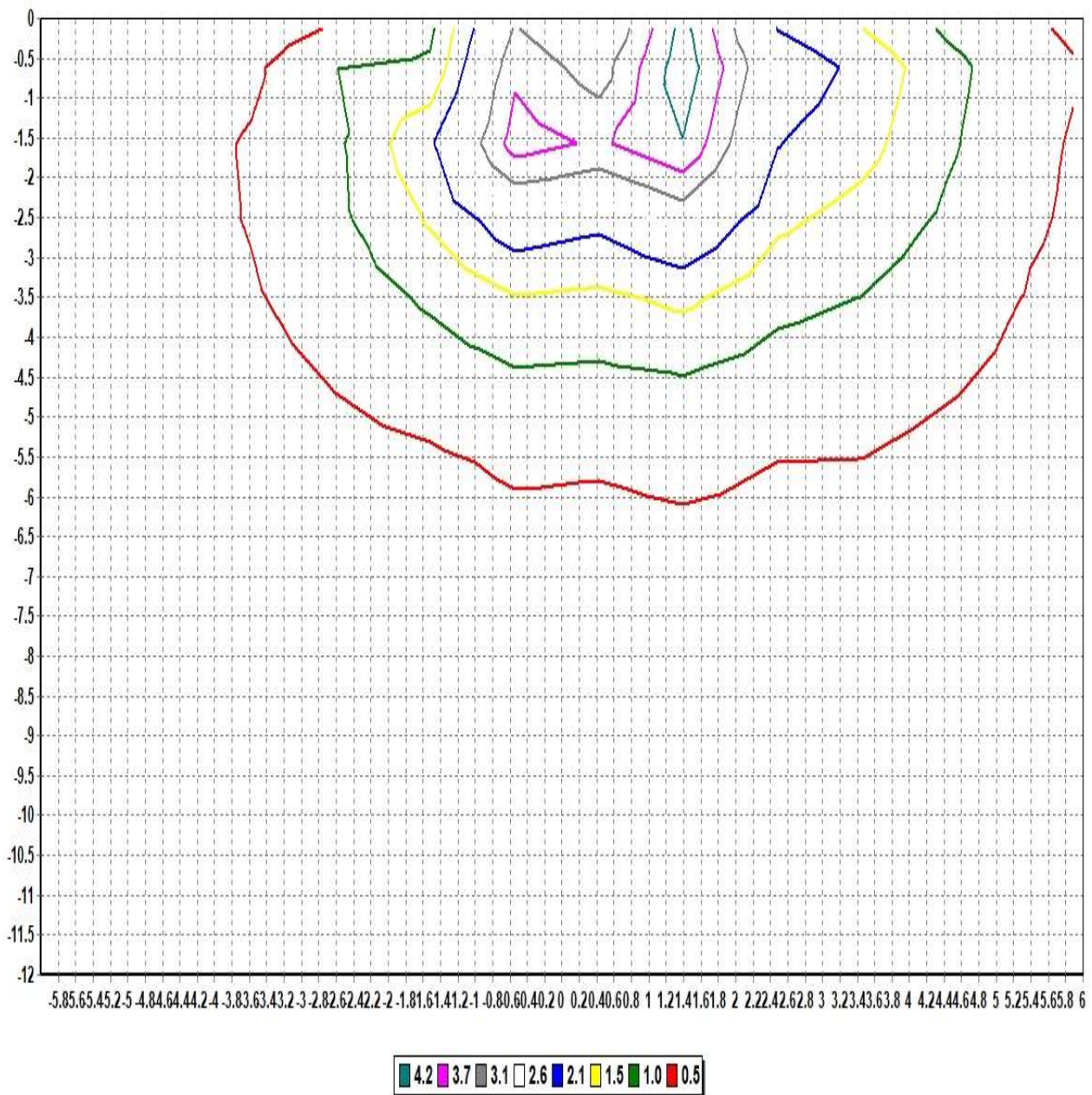
Power Factor 1

Operator

CGR

Date 2020-06-04 오후 5:12:42

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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Total flux (lm)	295	Power Factor	1

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Operator CGR

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Illuminance Levels (Ground)

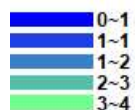
6.00	0.04	0.04	0.02	0.11	0.10	0.11	0.01	0.06	0.17	0.15	0.09	0.11	0.11
5.00	0.13	0.06	0.05	0.02	0.24	0.24	0.03	0.16	0.37	0.19	0.15	0.14	0.14
4.00	0.13	0.18	0.15	0.11	0.39	0.30	0.04	0.27	0.53	0.41	0.36	0.20	0.14
3.00	0.13	0.26	0.48	0.27	0.25	0.67	0.14	1.17	0.94	0.66	0.53	0.28	0.16
2.00	0.17	0.34	0.45	1.11	0.74	1.80	0.78	2.44	1.71	1.23	0.55	0.40	0.20
1.00	0.26	0.52	0.76	1.15	2.04	2.74	4.54	4.41	2.52	1.33	0.95	0.64	0.35
0.00	0.28	0.57	0.88	1.67	3.30	5.83	7.10	5.93	3.21	1.61	0.81	0.54	0.25
-1.00	0.24	0.50	0.76	1.89	3.57	5.13	6.61	6.21	4.02	2.25	0.92	0.59	0.29
-2.00	0.34	0.62	0.95	1.34	2.23	3.72	4.94	4.13	3.06	1.65	1.16	0.75	0.44
-3.00	0.32	0.32	0.63	0.94	1.95	2.27	2.90	2.52	2.06	1.40	0.80	0.46	0.41
-4.00	0.18	0.28	0.50	0.94	1.02	1.52	1.66	1.51	1.20	1.01	0.73	0.39	0.26
-5.00	0.19	0.23	0.46	0.62	0.72	0.97	1.03	0.95	0.81	0.69	0.52	0.39	0.25
-6.00	0.16	0.29	0.34	0.35	0.44	0.60	0.64	0.58	0.52	0.43	0.39	0.32	0.25
-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.) : 7.10

Illum. (Min.) : 0.01

Illum. (Avg.) : 1.05

All illuminance level values are in lux.



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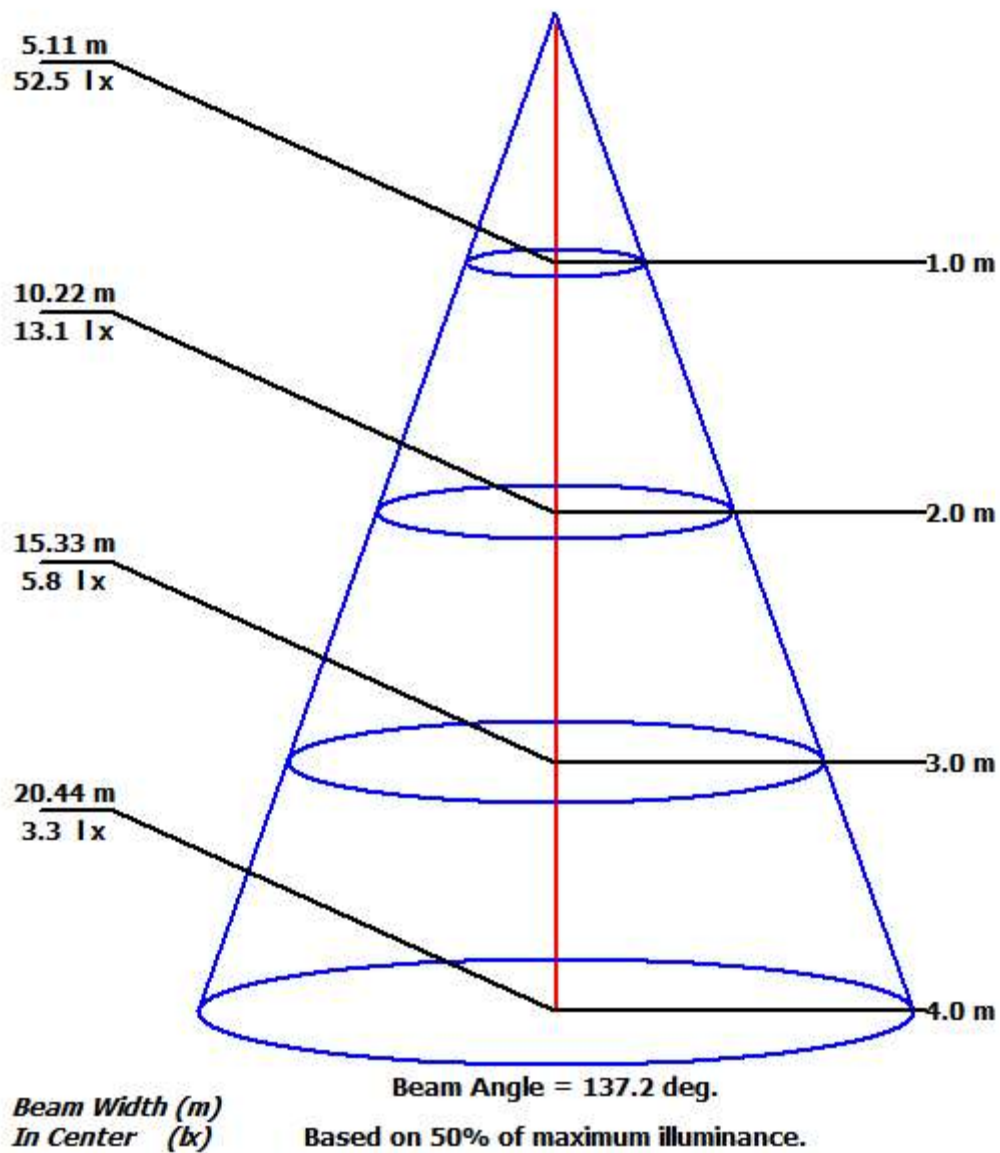
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Illuminance Cone Diagram





Luminaire

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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

