

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 NMP3 30K-24V-BK**5. Test Period :** 200604 ~ 200604**6. Test Environment**

* Ambient Temp. : 00.0 +- 3 °C
* Relative Humidity : 00.0 +- 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 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
200604	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4321 , 0.3978	
Correlated Color Temperature	K	3048	
Ra		93.88	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.108	
Input Watt	W	2.58	
Lamp Flux	lm	159.9	
Efficient	lm/W	61.69	
luminous Intensity (Max , Center)	cd	46 , 46	
Illuminance	lx	46	1 m
		12	2 m
		5	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) 160

Current (A) 0.108

Total flux (lm) 160

Power Factor 1

Report

200604

Filename 200604 NMP3 30K-24V-BK.jdt

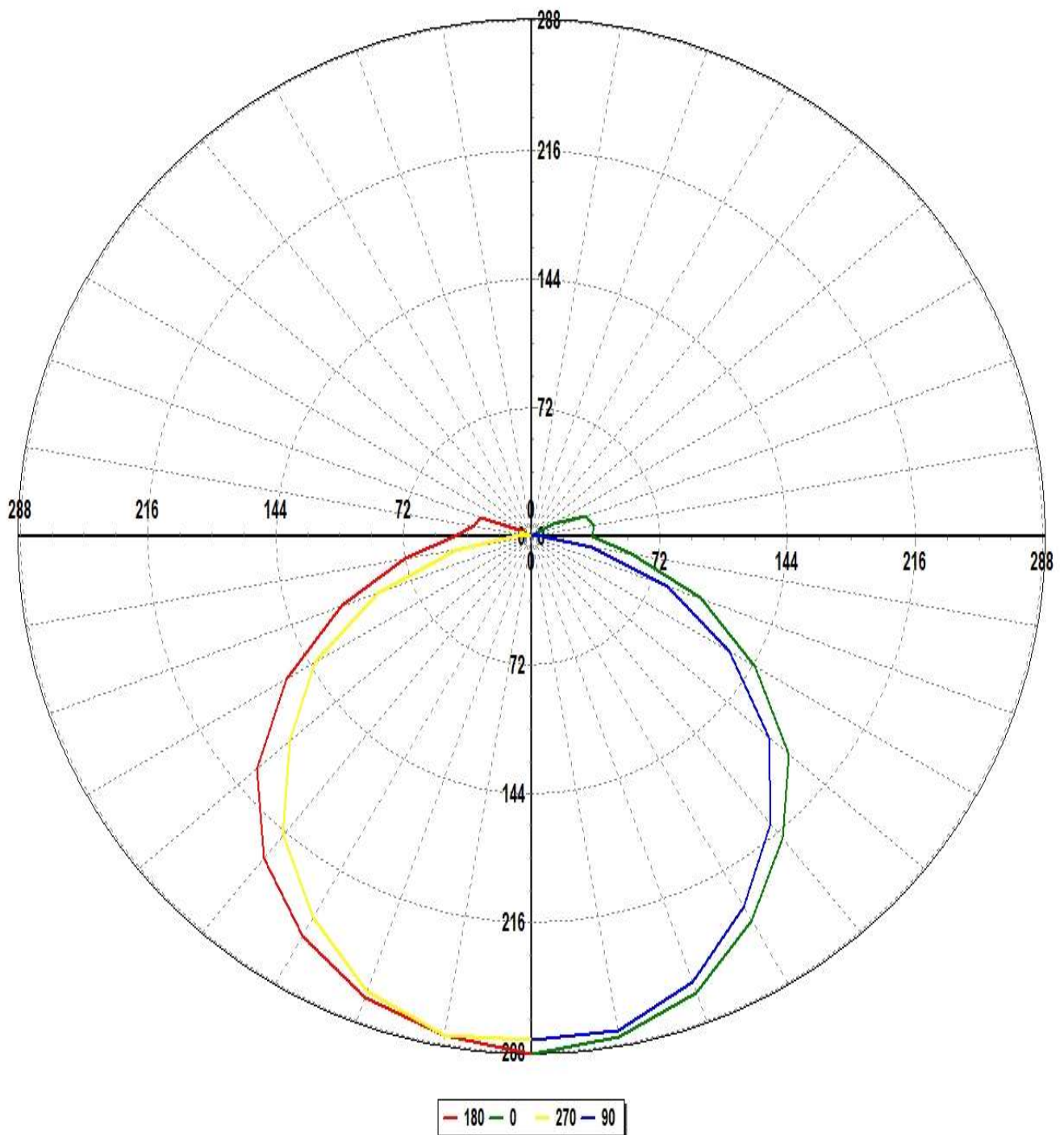
Operator

CGR

Date

2020-06-04 오후 2:40:35

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 160

Current (A) 0.108

Filename 200604 NMP3 30K-24V-BK.jdt

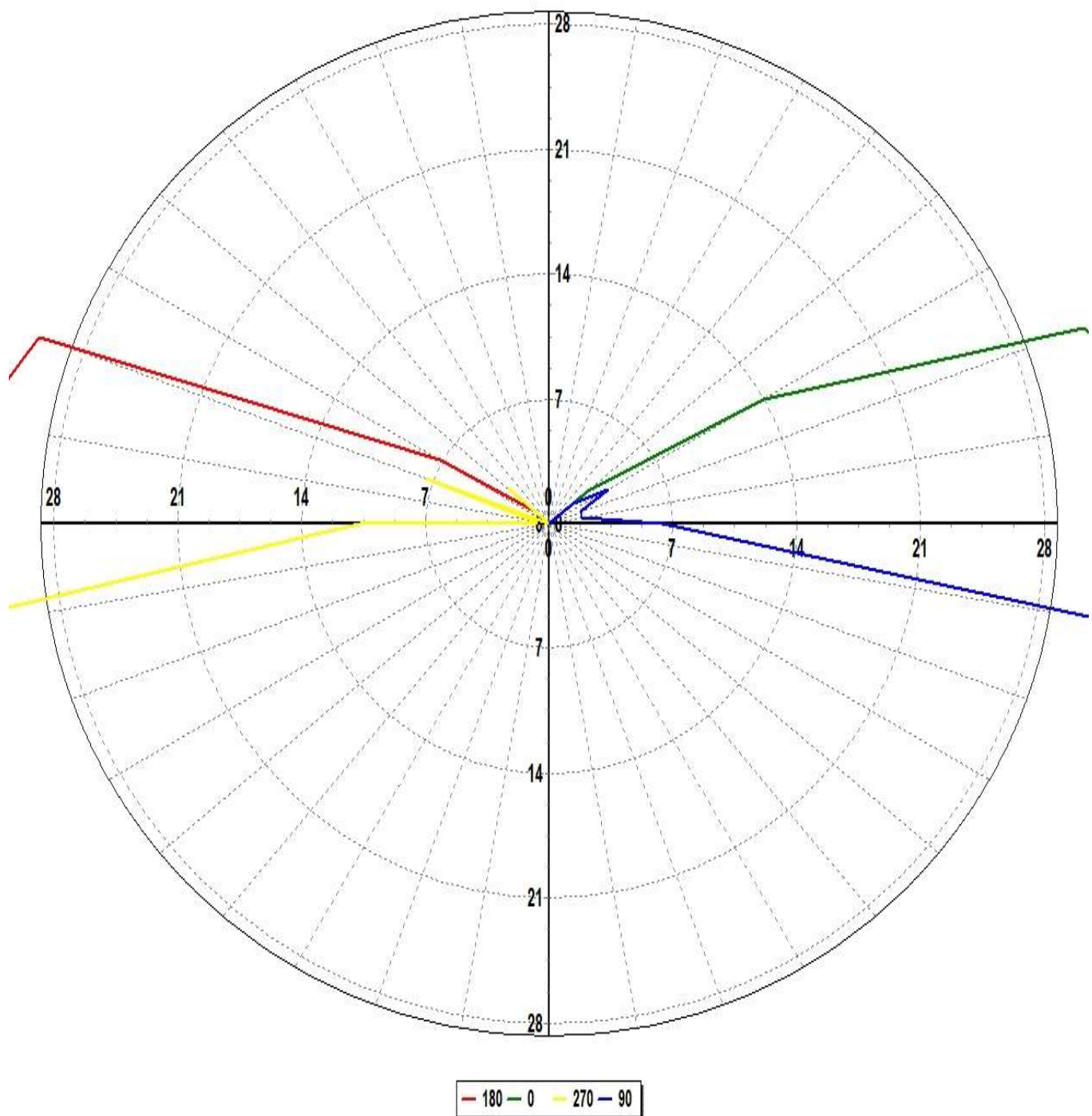
Total flux (lm) 160

Power Factor 1

Operator CGR

Date 2020-06-04 오후 2:40:35

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	160	Current (A)	0.108	Filename	200604 NMP3 30K-24V-BK.jdt
Total flux (lm)	160	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 2:40:35

Luminous Intensity Data

Maximum (cd) : 46

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	46.29	45.26	45.5	44.96	45.49	45.65	46.29	45.26	45.5	44.96	45.49	45.65	46.29
10	45.5	44.8	44.46	44.93	44.92	45.16	45.25	45.14	45.08	45.35	45.04	44.7	45.5
20	43.41	43.03	43.33	42.35	43.06	43.36	43.83	43.62	43.02	43.25	43.11	43.21	43.41
30	39.64	38.49	38.99	38.23	39.31	39.61	41.24	41.7	39.81	39.35	39.6	39.92	39.64
40	35.18	35.03	34.41	33.57	34.85	36.54	37.48	36.94	34.9	34.84	34.81	35.18	35.18
50	30.3	29.35	29.13	27.9	29.31	30.37	32.35	31.56	29.95	28.41	29.47	30.14	30.3
60	23.26	22.79	21.49	20.55	22.19	23.72	25.54	25.54	23.44	22.53	22.91	23.64	23.26
70	16.16	16.13	14.12	13.05	15.78	17.01	18.22	17.85	16.45	14.7	16.05	17.22	16.16
80	9.13	9.01	8.07	5.55	7.84	9.47	11.55	10.42	9.55	6.94	8.09	10.2	9.13
90	5.48	5.18	3.76	1.02	3.67	4.82	6.95	5.95	3.74	1.71	2.9	5.34	5.48
100	5.74	4.75	3.59	0.3	3.09	4.42	5.26	4.9	3.86	0.11	2.99	5.09	5.74
110	5.15	4.42	3.19	0.31	3.83	4.56	4.91	4.81	2.93	1.19	3.14	5.17	5.15
120	2.24	4.49	-0.02	0.62	0.39	3.68	1.13	3.84	1.2	-0.03	0.41	4.16	2.24
130	0.46	0.02	1.54	0.28	2.05	0.09	0.17	0.74	1.77	0.49	1.19	0.99	0.46

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	160	Current (A)	0.108	Filename	200604 NMP3 30K-24V-BK.jdt
Total flux (lm)	160	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 2:40:35

Luminous Flux Table

Total Lamp Lumens:	160
Luminaire Efficiency (lm/W):	159.87
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.09	1.09	0.68	0.68
10	8.56	9.65	6.04	6.04
20	16.19	25.84	16.16	16.16
30	21.72	47.56	29.74	29.75
40	24.86	72.42	45.29	45.30
50	25.05	97.46	60.95	60.97
60	21.94	119.41	74.68	74.69
70	16.53	135.94	85.01	85.03
80	9.51	145.45	90.96	90.98
90	4.61	150.06	93.85	93.87
100	3.96	154.02	96.33	96.35
110	3.74	157.76	98.66	98.68
120	1.75	159.51	99.76	99.78
130	0.35	159.87	99.98	100.00

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 160

Current (A) 0.108

Filename 200604 NMP3 30K-24V-BK.jdt

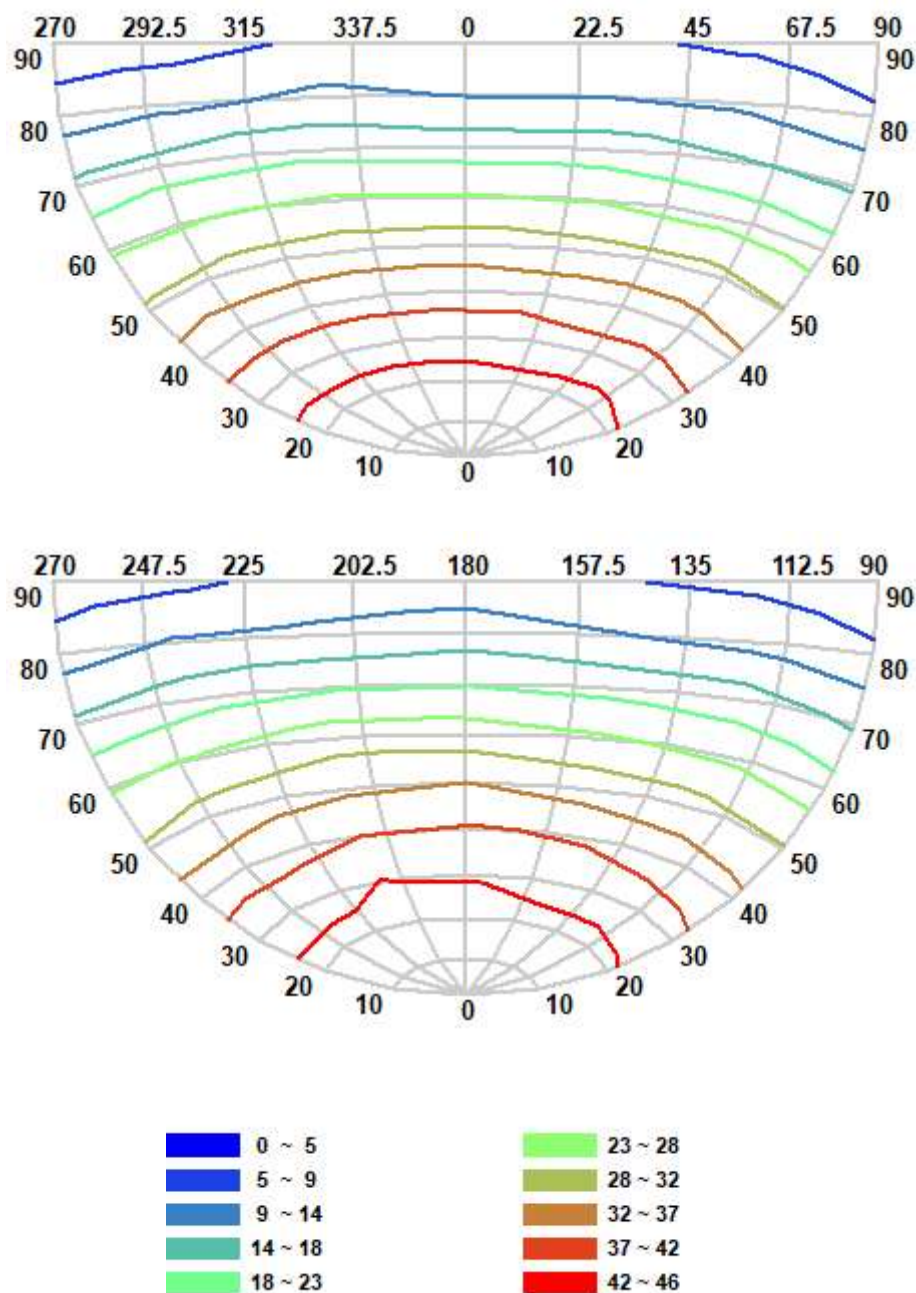
Total flux (lm) 160

Power Factor 1

Operator CGR

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IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Lamp flux (lm) 160

Current (A) 0.108

Total flux (lm) 160

Power Factor 1

Report

200604

Filename 200604 NMP3 30K-24V-BK.jdt

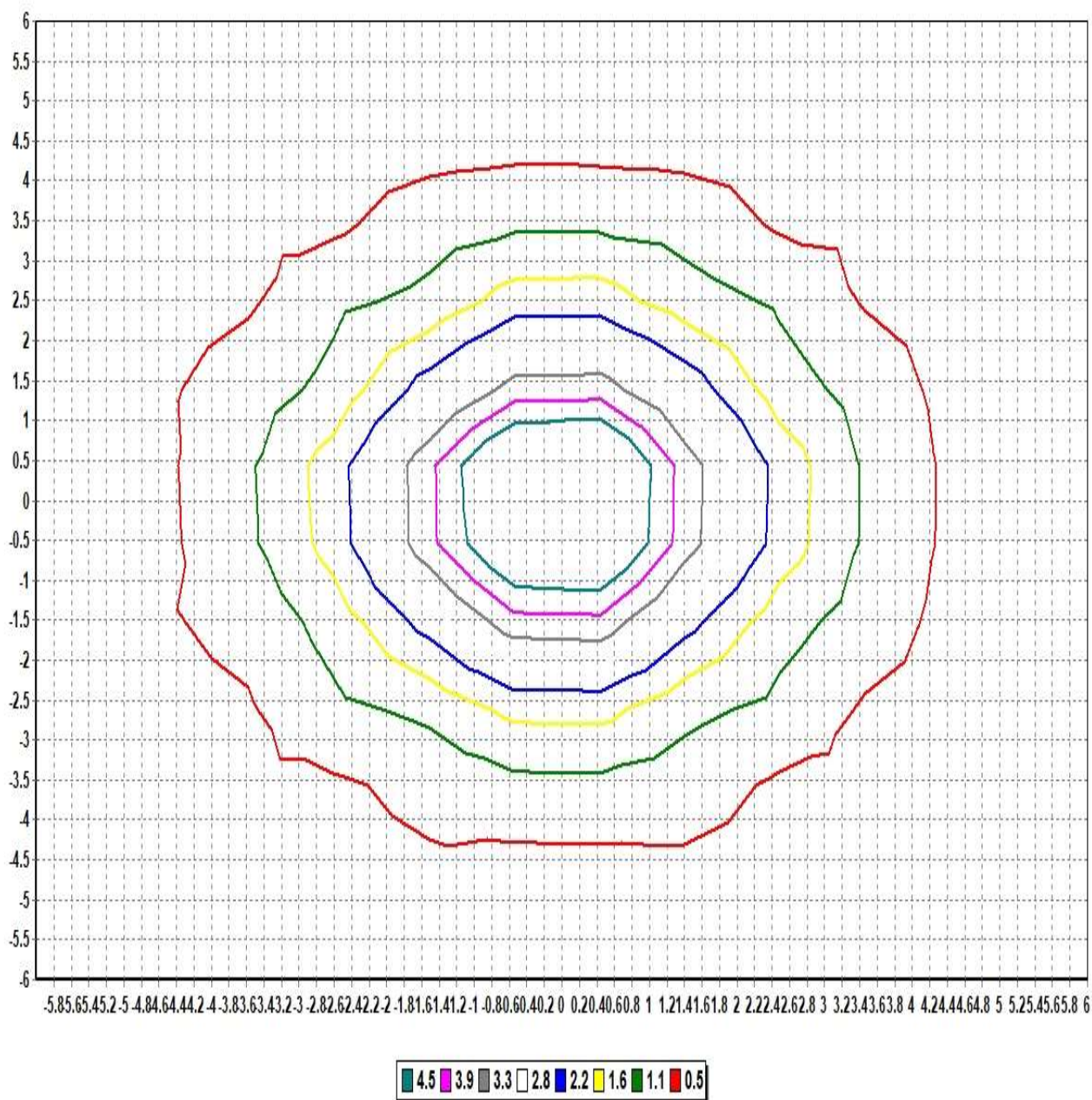
Operator

CGR

Date

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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) 24

Report

200604

Lamp flux (lm) 160

Current (A) 0.108

Filename 200604 NMP3 30K-24V-BK.jdt

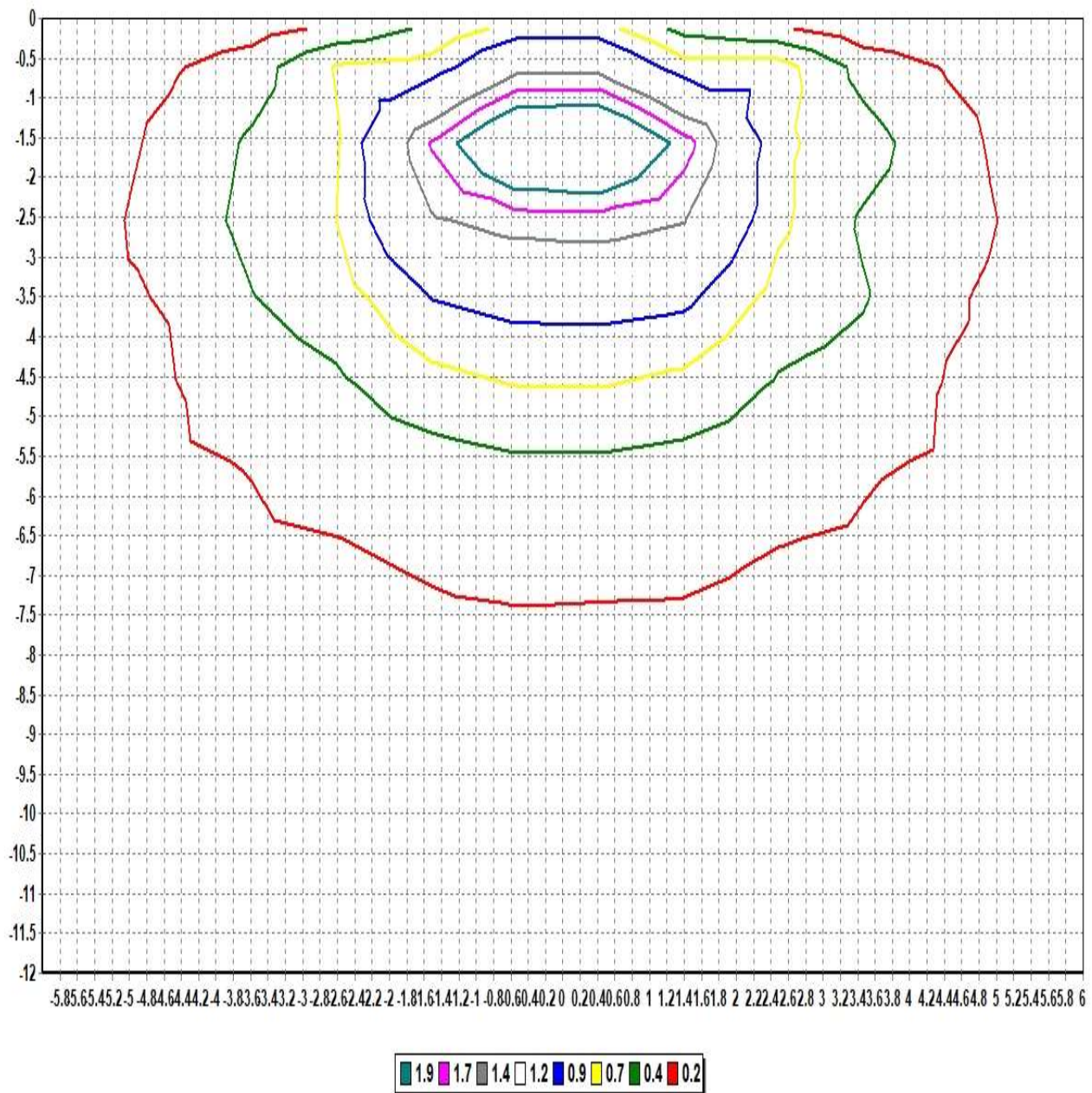
Total flux (lm) 160

Power Factor 1

Operator CGR

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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)	24
Lamp flux (lm)	160	Current (A)	0.108
Total flux (lm)	160	Power Factor	1

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Illuminance Levels (Ground)

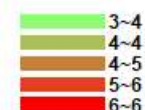
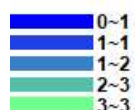
6.00	0.08	0.10	0.08	0.12	0.14	0.15	0.15	0.15	0.15	0.12	0.09	0.10	0.08
5.00	0.11	0.09	0.13	0.17	0.33	0.38	0.39	0.38	0.33	0.18	0.13	0.10	0.11
4.00	0.10	0.15	0.28	0.40	0.43	0.53	0.56	0.53	0.44	0.41	0.29	0.15	0.10
3.00	0.12	0.21	0.43	0.49	0.94	1.09	1.19	1.11	0.97	0.52	0.43	0.20	0.12
2.00	0.15	0.34	0.44	1.02	1.38	2.19	2.50	2.20	1.43	0.99	0.45	0.34	0.15
1.00	0.19	0.42	0.61	1.13	2.21	3.79	5.07	3.82	2.20	1.13	0.58	0.40	0.18
0.00	0.20	0.46	0.68	1.37	2.76	5.11	6.35	5.14	2.61	1.28	0.63	0.43	0.18
-1.00	0.18	0.42	0.60	1.21	2.33	4.01	5.12	3.85	2.19	1.13	0.58	0.40	0.18
-2.00	0.17	0.37	0.50	1.06	1.53	2.31	2.59	2.19	1.40	0.99	0.45	0.34	0.15
-3.00	0.14	0.22	0.46	0.58	0.99	1.17	1.22	1.10	0.97	0.51	0.43	0.21	0.12
-4.00	0.11	0.16	0.32	0.43	0.49	0.56	0.60	0.56	0.45	0.41	0.29	0.15	0.10
-5.00	0.12	0.12	0.15	0.20	0.36	0.39	0.40	0.39	0.33	0.19	0.14	0.10	0.11
-6.00	0.09	0.11	0.10	0.14	0.16	0.17	0.17	0.17	0.15	0.12	0.09	0.11	0.08
-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.) : 6.35

Illum. (Min.) : 0.08

Illum. (Avg.) : 0.79

All illuminance level values are in lux.



Luminaire

Lamp

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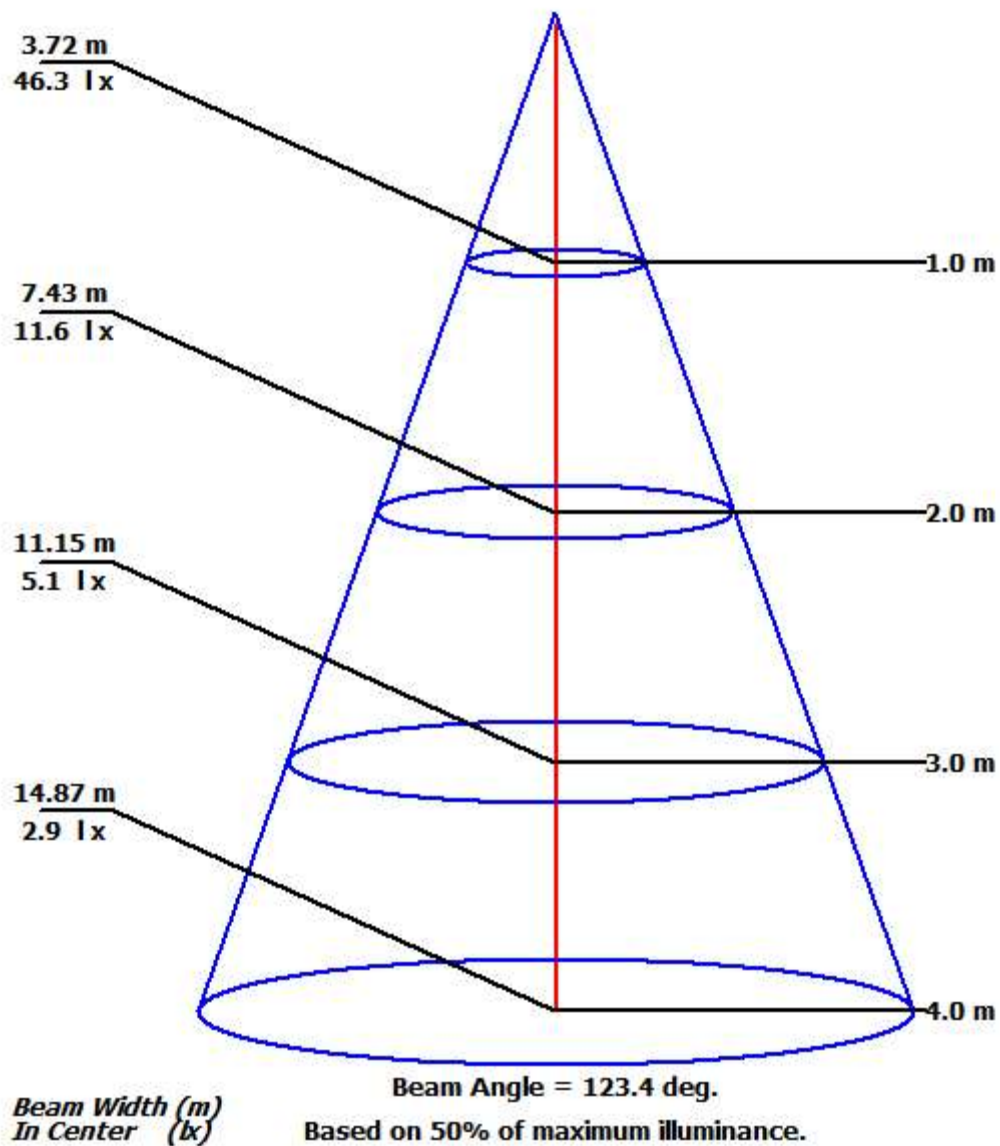
Total flux (lm) 160

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

