

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 : 191213

2. Purpose of Report :

3. Number of Report : 191216

4. Test Standard / Item : / 191216 NDP1 30K-24V-C90 SF1907 VER 3.3e

5. Test Period : 191213 ~ 191213

6. Test Environment

* Ambient Temp. : 23.0 +- 3 °C
* Relative Humidity : 45.0 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* Rating :
* Model : FEELUX

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	CGR	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
191216	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4380 , 0.4020	
Correlated Color Temperature	K	2981	
Ra		93.79	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.051	
Input Watt	W	1.22	
Lamp Flux	lm	80.6	
Efficient	lm/W	65.85	
luminous Intensity (Max , Center)	cd	26 , 26	
Illuminance	lx	26	1 m
		6	2 m
		3	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

Lamp flux (lm) 81

Total flux (lm) 81

Voltage (V)

Current (A)

Power Factor

Report

Filename 191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt

Operator

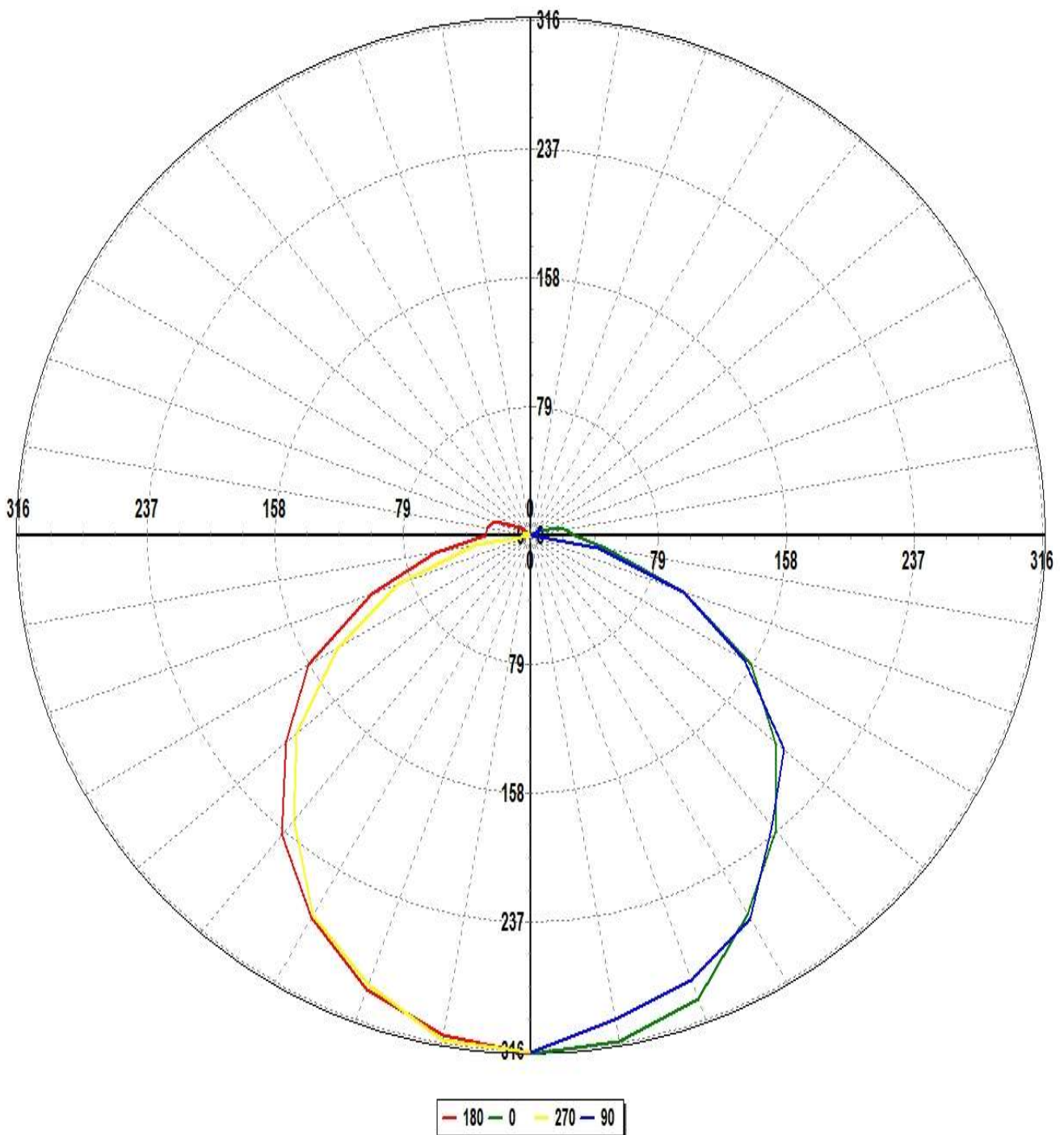
Date 1

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CGR

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Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 81

Total flux (lm) 81

Voltage (V)

Current (A)

Power Factor

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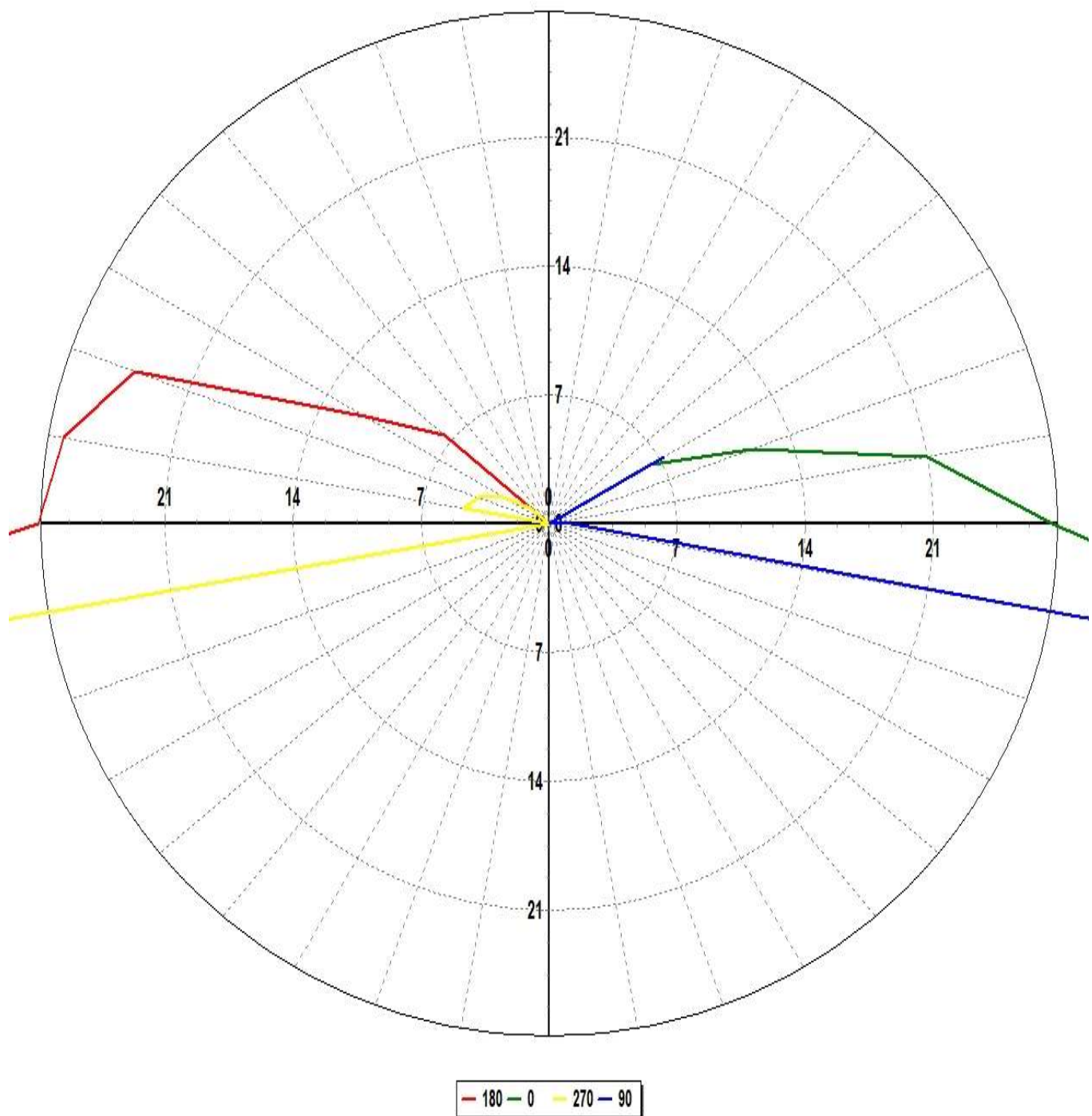
Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp			Report	191216
No. of lamps	1	Voltage (V)	Filename	191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt
Lamp flux (lm)	81	Current (A)	Operator	CGR
Total flux (lm)	81	Power Factor	Date	1 2019-12-16 오후 2:29:58

Luminous Intensity Data

Maximum (cd) : 26

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	25.61	25.61	25.01	25.51	25.99	25.52	25.61	25.61	25.01	25.51	25.99	25.52	25.61
10	25.34	24.77	25.11	24.25	24.45	25.6	25.1	25.2	24.74	25.32	25.04	24.96	25.34
20	24.38	23.53	24.09	23.4	23.27	23.74	23.91	23.56	23.07	23.66	23.66	24.6	24.38
30	21.58	22.4	21.93	21.85	21.09	21.66	21.82	21.69	21.25	21.66	21.49	22.14	21.58
40	18.98	19.03	19.58	18.7	18.81	18.23	19.27	18.83	18.45	18.37	19.52	19.07	18.98
50	15.93	15.98	16.59	16.47	16.65	15.03	15.88	16.23	15.81	15.25	15.88	15.89	15.93
60	12.66	12.32	12.13	12.27	11.93	11.65	12.77	11.8	11.09	11.12	11.48	12.2	12.66
70	8.1	8.4	8.6	8.08	7.41	8.23	8.43	8.4	7.38	7.05	7.38	8.87	8.1
80	3.78	4.52	4.29	3.44	3.62	4.58	4.83	4.92	3.39	2.79	3.17	5.06	3.78
90	2.22	1.67	0.6	0.1	0.96	1.9	2.25	0.8	0.52	-0.17	0.61	2.18	2.22
100	1.69	1.83	1.04	-0.25	0.49	1.66	2.17	0.93	0.83	0.38	0.66	0.25	1.69
110	0.96	0.84	0.68	-0.4	0.69	0.93	1.94	1.48	0.69	0.33	1.06	0.93	0.96
120	0.51	0.06	0.79	0.58	-0.17	0.39	0.93	1.19	0.4	0.23	0.24	1.04	0.51
130	-0.32	-0.26	0.68	-0.15	1.04	-0.2	0.6	0.38	0.59	0.11	0.63	0.26	-0.32



Luminaire

Lamp			Report	191216
No. of lamps	1	Voltage (V)	Filename	191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt
Lamp flux (lm)	81	Current (A)	Operator	CGR
Total flux (lm)	81	Power Factor	Date	1 2019-12-16 오후 2:29:58

Luminous Flux Table

Total Lamp Lumens:	80.6
Luminaire Efficiency (lm/W):	80.58
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.61	0.61	0.76	0.76
10	4.75	5.36	6.65	6.66
20	8.89	14.26	17.69	17.69
30	11.89	26.15	32.44	32.45
40	13.31	39.45	48.95	48.97
50	13.39	52.85	65.57	65.59
60	11.34	64.19	79.64	79.66
70	8.26	72.45	89.89	89.91
80	4.35	76.80	95.28	95.31
90	1.25	78.04	96.83	96.86
100	1.05	79.09	98.13	98.16
110	0.87	79.96	99.21	99.24
120	0.49	80.46	99.82	99.85
130	0.12	80.58	99.97	100.00

Luminaire

Lamp

Report

191216

No. of lamps 1

Voltage (V) Filename 191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt

Lamp flux (lm) 81

Current (A) Operator

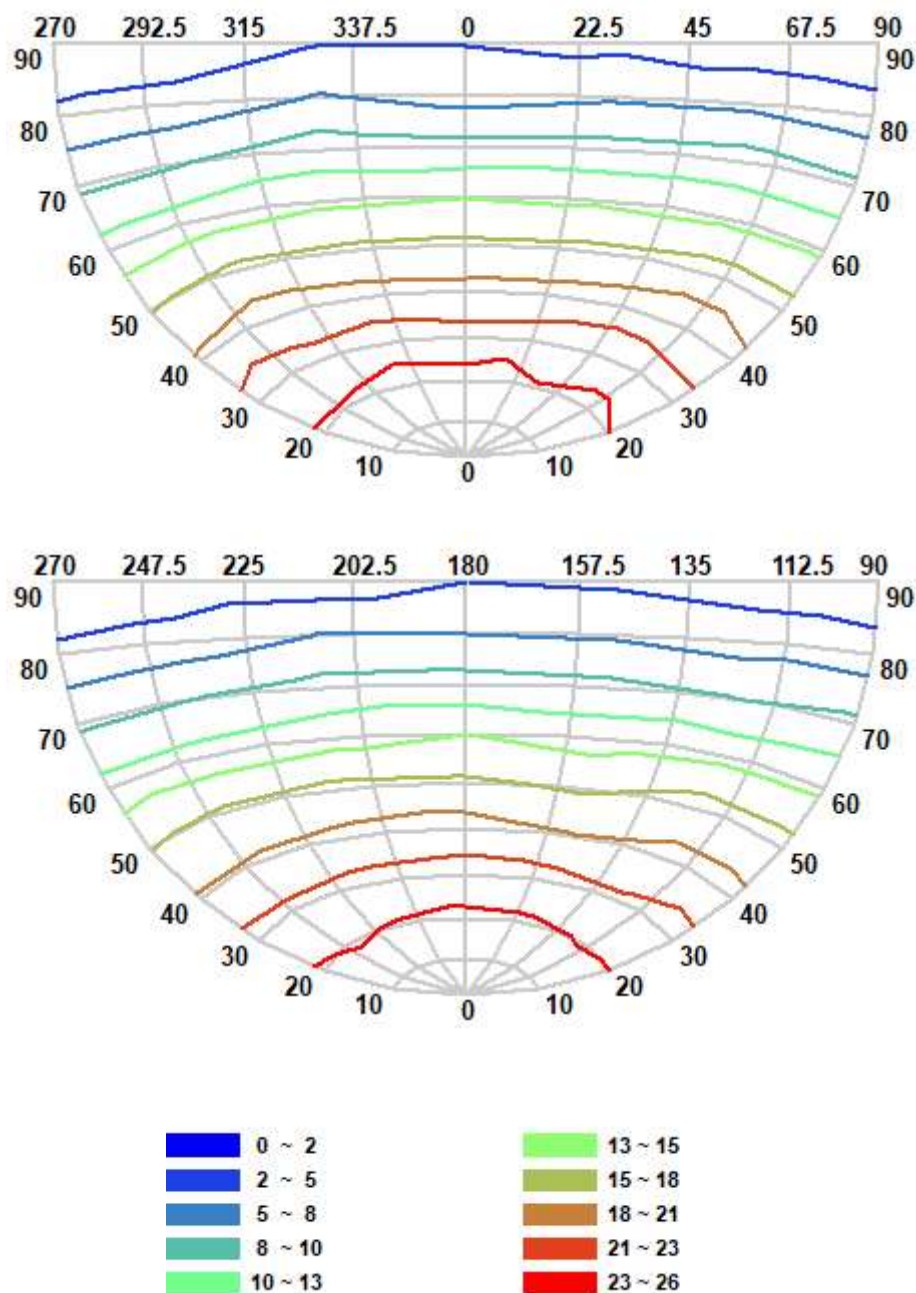
CGR

Total flux (lm) 81

Power Factor Date 1

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IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 81

Total flux (lm) 81

Voltage (V)

Current (A)

Power Factor

Report

Filename 191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt

Operator

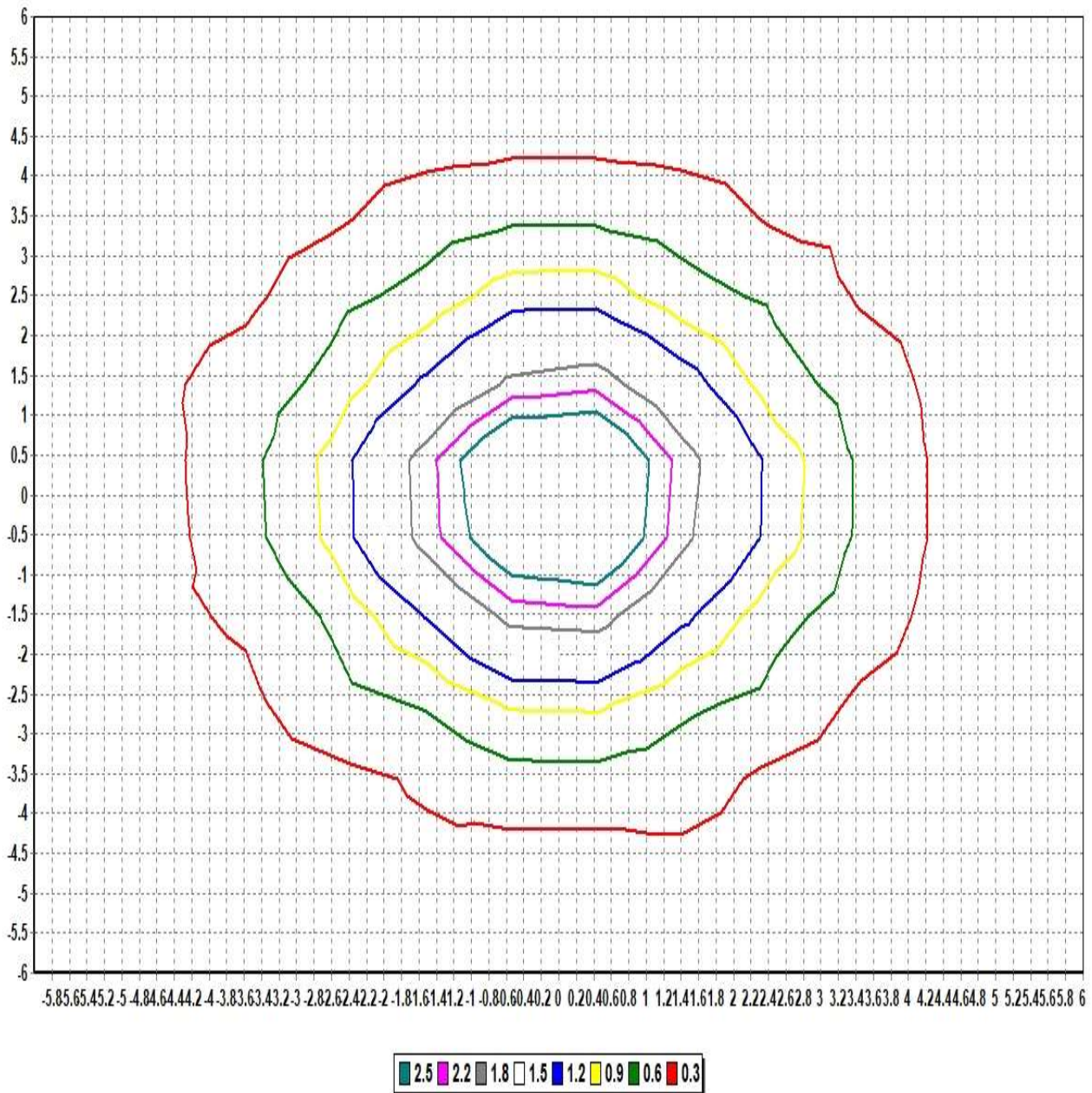
Date 1

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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

Lamp flux (lm) 81

Total flux (lm) 81

Voltage (V)

Current (A)

Power Factor

Report

Filename 191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt

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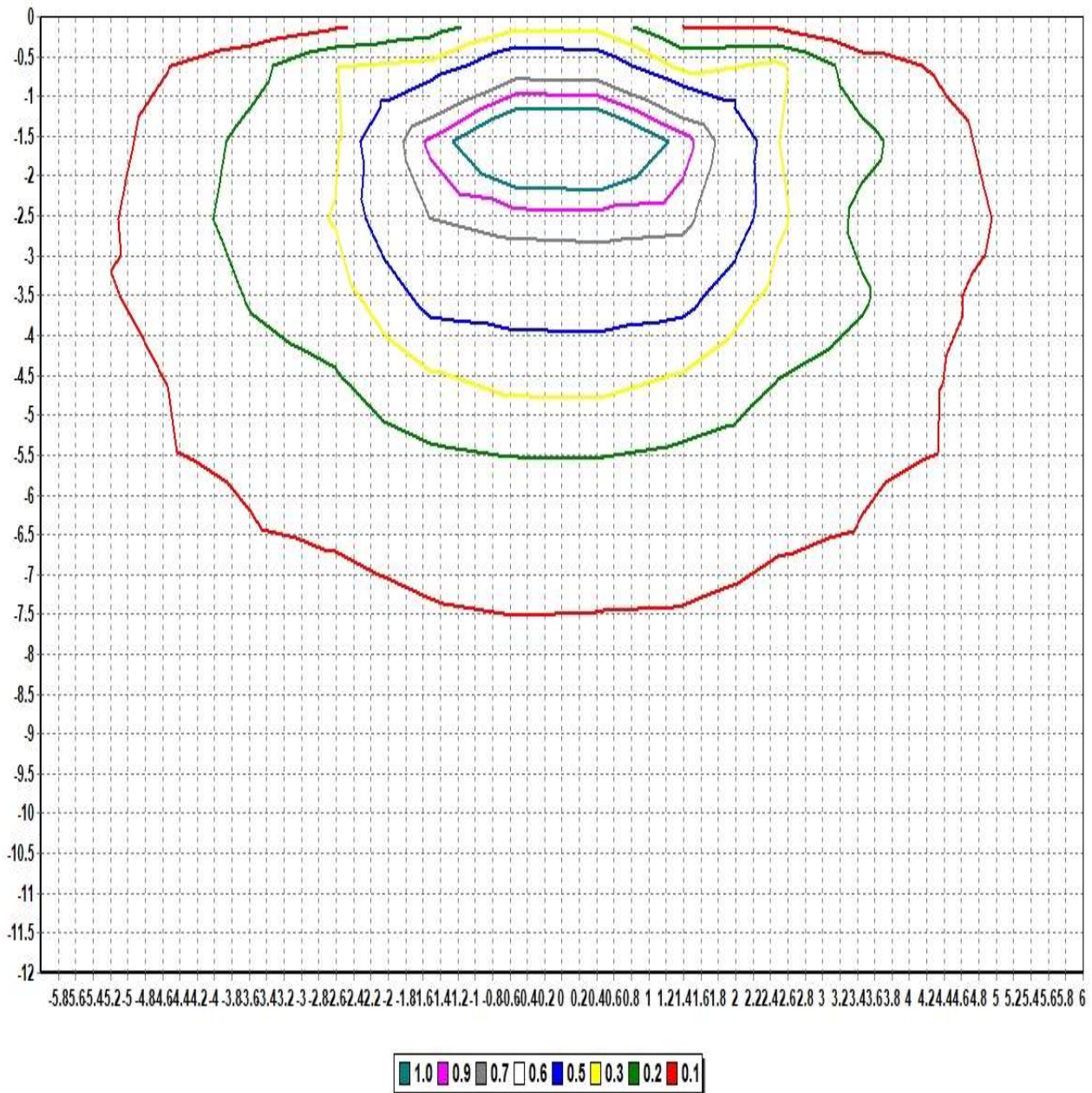
Date 1

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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Aiming Plane: 0

Total Optical Solution Provider

Wall Distance (m): 2.7

Wall Height (m): 12



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	81	Current (A)	0.051
Total flux (lm)	81	Power Factor	1

Report

191216

Filename 191216 NDP1 30K-24V-C90 SF1907 VER 3.3e.jdt

Operator

CGR

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Illuminance Levels (Ground)

6.00	0.04	0.06	0.05	0.06	0.08	0.09	0.09	0.09	0.08	0.07	0.05	0.06	0.04
5.00	0.05	0.05	0.07	0.10	0.19	0.22	0.23	0.22	0.18	0.10	0.08	0.05	0.06
4.00	0.05	0.07	0.16	0.23	0.24	0.31	0.34	0.31	0.24	0.23	0.16	0.08	0.05
3.00	0.06	0.10	0.22	0.28	0.53	0.63	0.69	0.61	0.55	0.28	0.23	0.10	0.07
2.00	0.07	0.18	0.24	0.51	0.78	1.18	1.41	1.20	0.77	0.53	0.24	0.18	0.08
1.00	0.09	0.21	0.30	0.61	1.18	2.09	2.74	2.14	1.20	0.60	0.31	0.21	0.09
0.00	0.10	0.23	0.34	0.68	1.43	2.83	3.51	2.86	1.42	0.68	0.34	0.23	0.10
-1.00	0.09	0.21	0.30	0.61	1.19	2.12	2.86	2.10	1.22	0.60	0.31	0.21	0.09
-2.00	0.08	0.18	0.23	0.54	0.77	1.18	1.39	1.22	0.76	0.53	0.23	0.18	0.08
-3.00	0.06	0.11	0.23	0.28	0.52	0.61	0.65	0.59	0.52	0.26	0.22	0.11	0.06
-4.00	0.05	0.08	0.16	0.22	0.23	0.28	0.31	0.28	0.23	0.22	0.15	0.08	0.05
-5.00	0.06	0.05	0.07	0.09	0.18	0.20	0.21	0.21	0.18	0.09	0.07	0.05	0.06
-6.00	0.04	0.05	0.05	0.06	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.05	0.04
-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.) : 3.51

Illum. (Min.) : 0.04

Illum. (Avg.) : 0.42

All illuminance level values are in lux.



Luminaire

Lamp

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Current (A)

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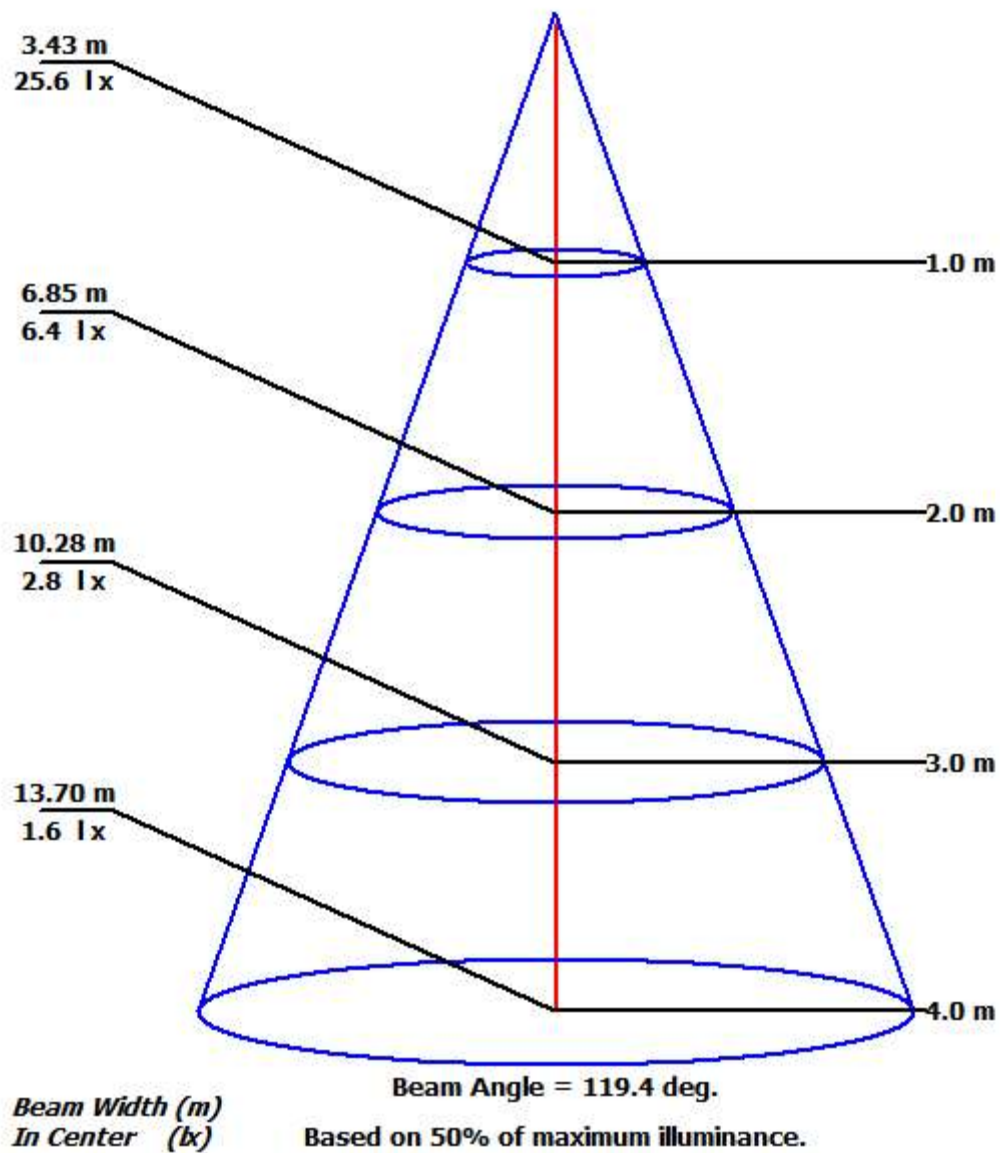
Total flux (lm) 81

Power Factor

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Illuminance Cone Diagram





Luminaire

Lamp

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Total flux (lm)	81	Power Factor	1

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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

