

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 : 191218

2. Purpose of Report :**3. Number of Report :** 191218**4. Test Standard / Item :** / 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9**5. Test Period :** 191218 ~ 191218**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
191218	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4651 , 0.4096	
Correlated Color Temperature	K	2636	
Ra		92.68	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.152	
Input Watt	W	3.66	
Lamp Flux	lm	235.2	
Efficient	lm/W	64.47	
luminous Intensity (Max , Center)	cd	78 , 77	
Illuminance	lx	77	1 m
		19	2 m
		9	3 m

* This test result is for the sample provided by the client.

* Sample photo

Click to load image

Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

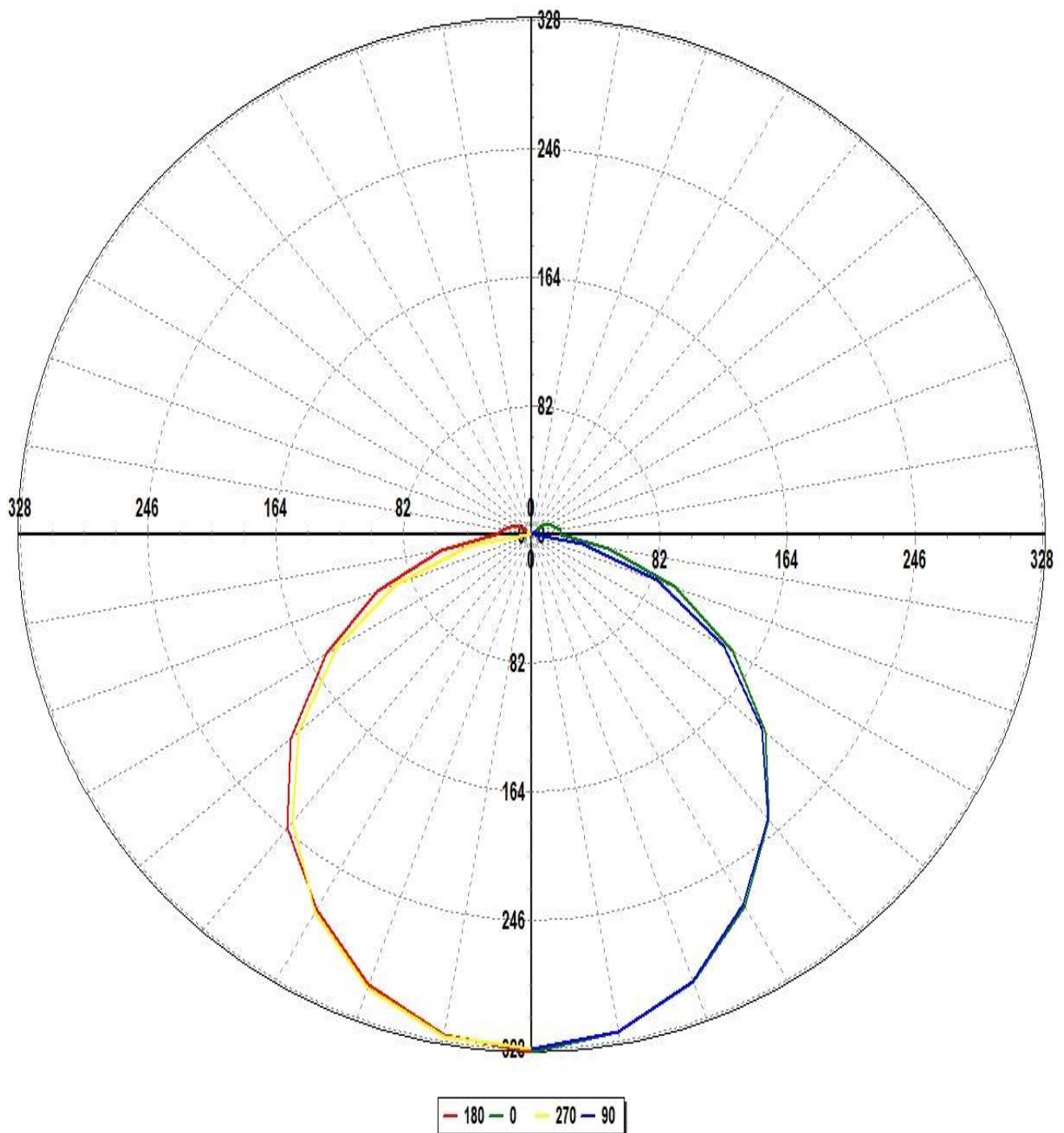
CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

Luminous Intensity Distribution



Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

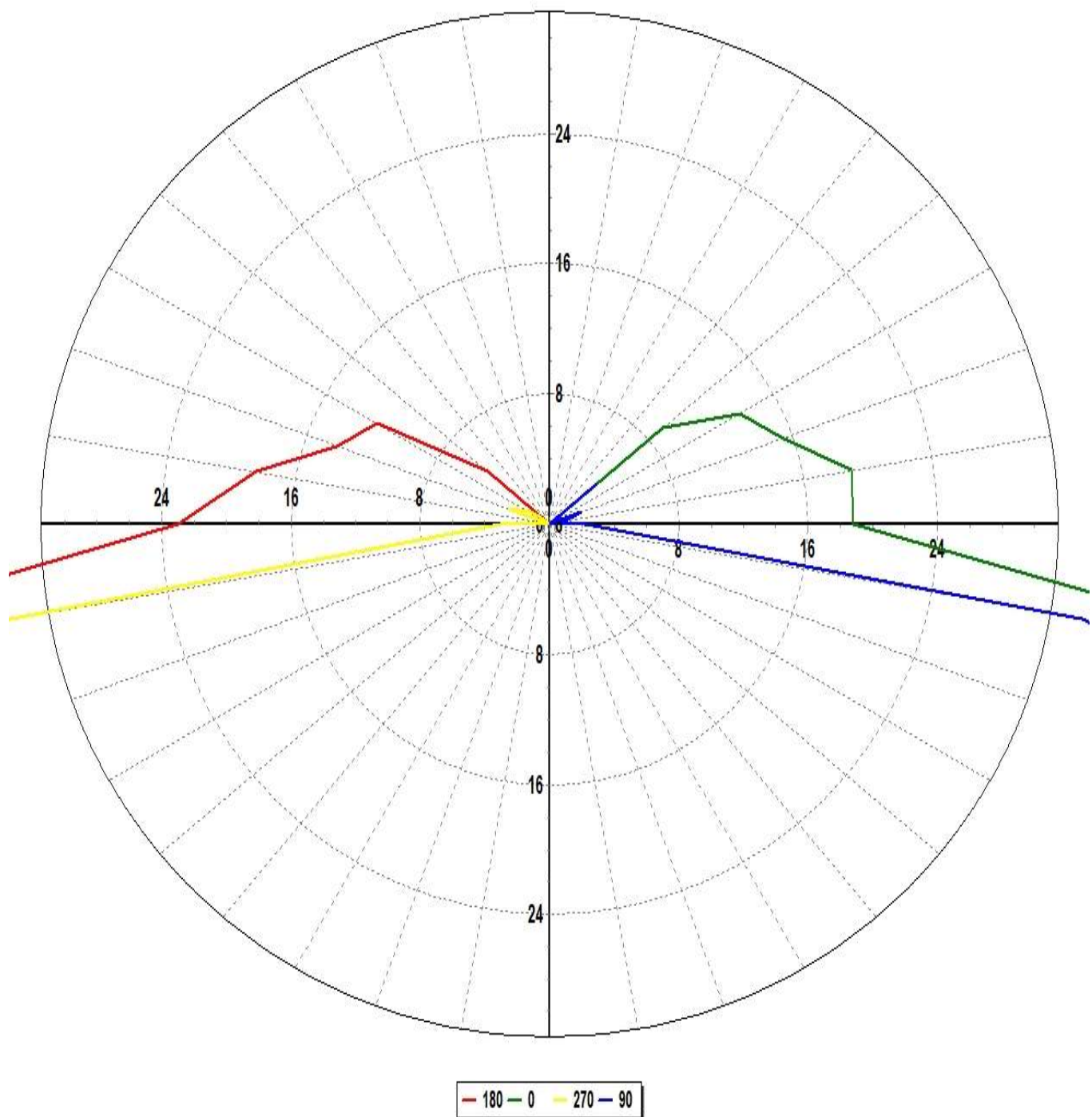
CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

Luminous Intensity Data

Maximum (cd) : 78

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	77.47	77.88	77.39	76.89	76.57	76.9	77.47	77.88	77.39	76.89	76.57	76.9	77.47
10	75.53	75.35	75.91	75.46	75.39	75.69	76.02	75.66	76.2	76.25	75.99	75.58	75.53
20	71.23	71.59	71.42	71.13	71.32	71.54	71.8	72.58	71.03	72.11	72.36	72.24	71.23
30	64.26	64.25	64.74	63.87	64.43	63.59	64.89	65.61	64.69	65.26	65.12	65.46	64.26
40	55.76	56.46	55.64	55.53	56.33	55.35	57.4	57.57	56.51	56.11	56.58	56.74	55.76
50	45.97	46.07	45.79	45.34	46.19	45.32	47.41	47.39	46.57	45.86	46.21	47.88	45.97
60	34.97	34.26	34.22	33.53	34.11	34.47	35.79	36.86	34.17	33.95	34.55	35.79	34.97
70	22.89	22.03	21.13	20.17	21.05	21.82	24.74	24.46	22.55	21.84	21.83	24.17	22.89
80	11.77	10.57	8.69	7.87	9.16	10.93	13.82	12.86	10.35	9.39	9.88	12.48	11.77
90	4.42	3.87	1.89	0.51	2.66	5.05	5.4	4.25	2.44	0.71	2.02	4.44	4.42
100	4.47	3.78	2.22	0.19	2.22	3.9	4.33	3.33	2.29	-0.38	1.35	3.58	4.47
110	3.63	3.08	1.82	0.49	1.79	3.2	3.3	3.21	1.35	0.64	1.97	3.3	3.63
120	3.2	2.61	0.37	-0.43	0.09	1.53	2.9	3.05	0.97	0.34	0.7	3.81	3.2
130	2.16	0.42	2.01	0.9	2.19	0.11	1.18	1.36	0.99	0.19	1.3	1.93	2.16



Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

Luminous Flux Table

Total Lamp Lumens: 235

Luminaire Efficiency (lm/W): 235.20

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.85	1.85	0.78	0.78
10	14.41	16.25	6.91	6.91
20	26.86	43.11	18.33	18.33
30	35.42	78.53	33.39	33.39
40	39.66	118.19	50.25	50.25
50	38.87	157.06	66.78	66.78
60	32.93	190.00	80.78	80.78
70	23.04	213.04	90.58	90.58
80	11.48	224.52	95.46	95.46
90	3.44	227.96	96.92	96.92
100	2.81	230.77	98.12	98.12
110	2.38	233.15	99.13	99.13
120	1.51	234.67	99.77	99.77
130	0.53	235.20	100.00	100.00



Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

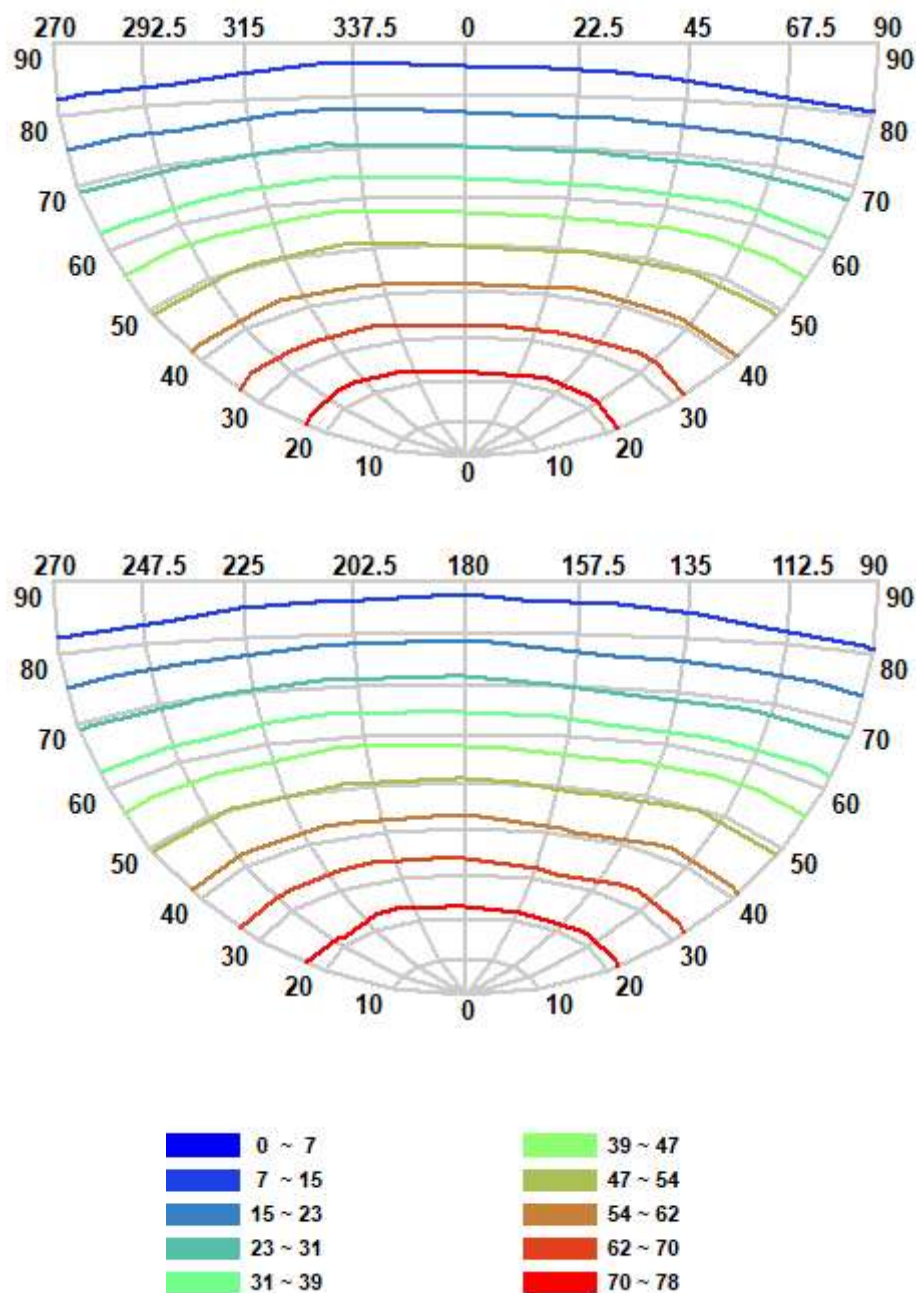
CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

IsoCandela (Type C)



Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

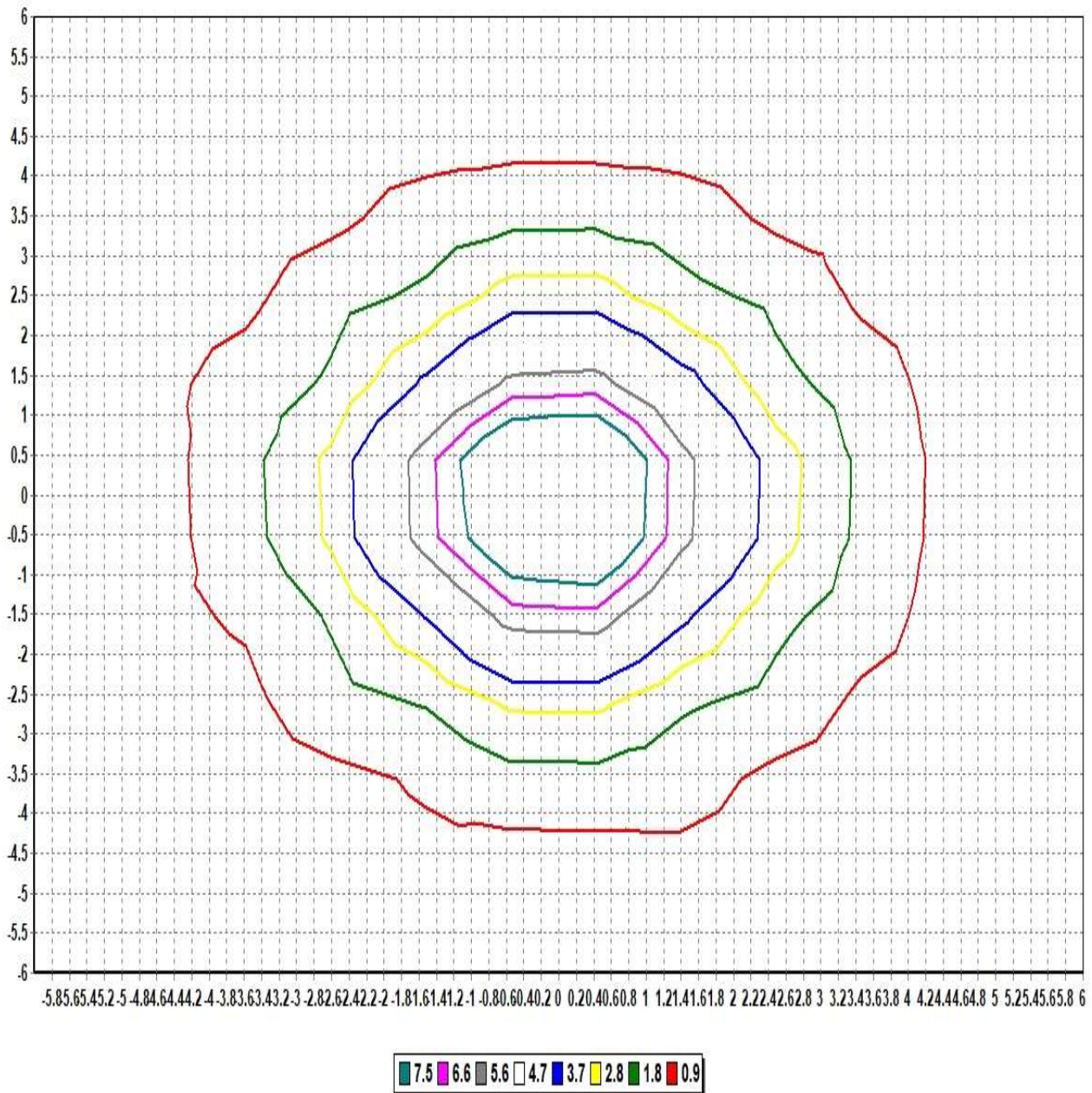
CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

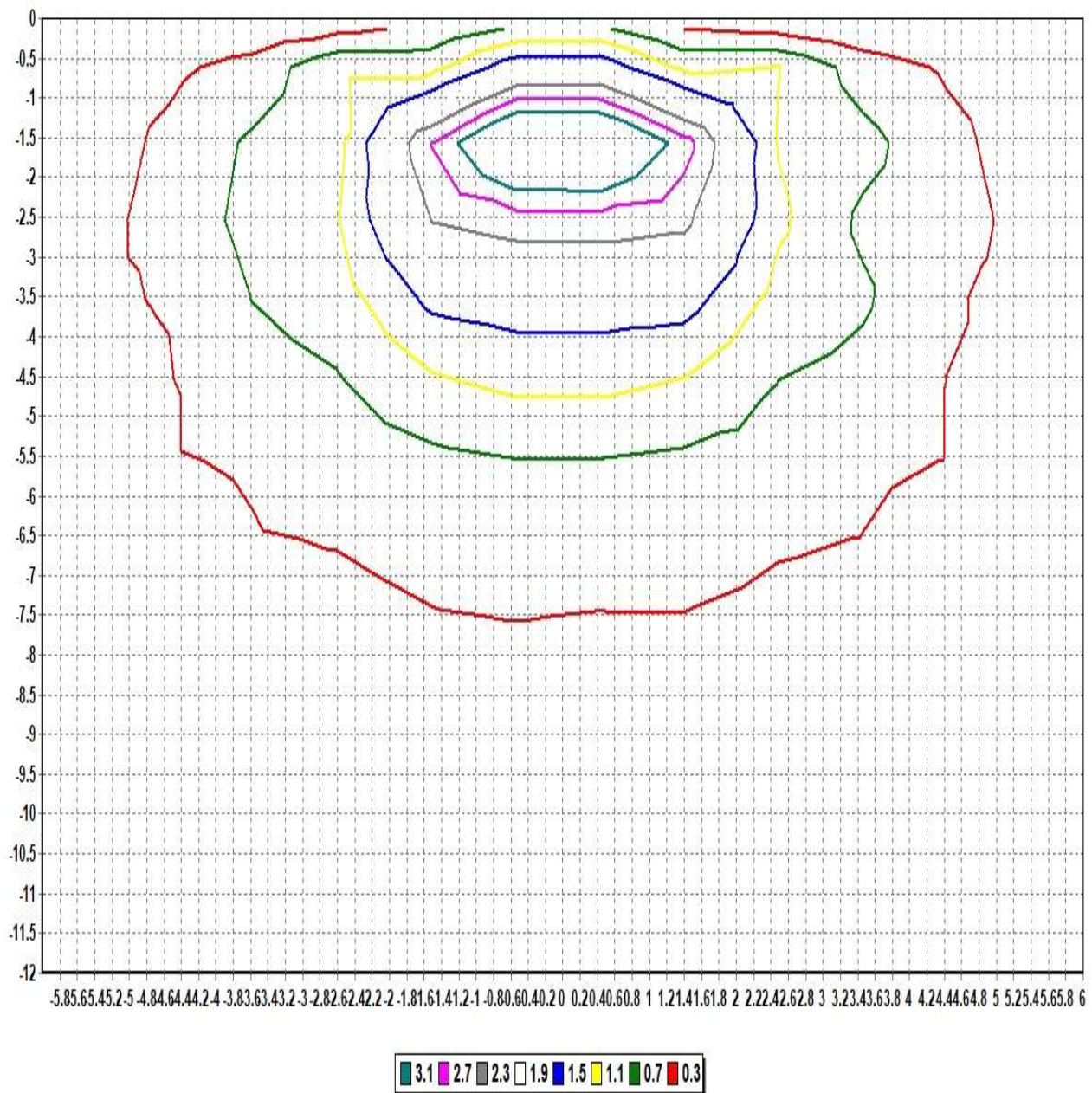
CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

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)	235	Current (A)	0.152
Total flux (lm)	235	Power Factor	1

Report	191218
Filename	191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt
Operator	CGR
Date	2019-12-18 오후 2:27:05

Illuminance Levels (Ground)

6.00	0.12	0.16	0.12	0.17	0.21	0.24	0.24	0.24	0.21	0.17	0.13	0.16	0.12
5.00	0.16	0.14	0.19	0.27	0.52	0.61	0.64	0.61	0.52	0.28	0.20	0.15	0.16
4.00	0.13	0.20	0.44	0.64	0.67	0.85	0.92	0.85	0.67	0.65	0.45	0.21	0.14
3.00	0.17	0.28	0.64	0.78	1.55	1.74	1.95	1.74	1.55	0.79	0.65	0.29	0.17
2.00	0.21	0.52	0.67	1.54	2.24	3.54	4.16	3.55	2.25	1.56	0.68	0.52	0.22
1.00	0.26	0.62	0.88	1.74	3.54	6.28	8.52	6.29	3.55	1.75	0.88	0.63	0.26
0.00	0.28	0.67	0.97	2.03	4.27	8.58	10.63	8.53	4.18	1.97	0.95	0.65	0.27
-1.00	0.25	0.62	0.87	1.80	3.63	6.38	8.61	6.37	3.57	1.78	0.88	0.62	0.26
-2.00	0.23	0.54	0.72	1.60	2.31	3.62	4.22	3.56	2.25	1.59	0.68	0.53	0.22
-3.00	0.19	0.31	0.67	0.83	1.58	1.79	1.97	1.75	1.56	0.79	0.67	0.30	0.18
-4.00	0.15	0.22	0.47	0.66	0.72	0.86	0.93	0.86	0.68	0.65	0.45	0.22	0.14
-5.00	0.17	0.16	0.21	0.29	0.54	0.61	0.65	0.61	0.52	0.28	0.20	0.14	0.16
-6.00	0.13	0.16	0.14	0.19	0.23	0.25	0.26	0.25	0.21	0.17	0.13	0.16	0.12
-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.) : 10.6

Illum. (Min.) : 0.12

Illum. (Avg.) : 1.25

All illuminance level values are in lux.



Luminaire

Lamp

Report

191218

No. of lamps 1

Voltage Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.152

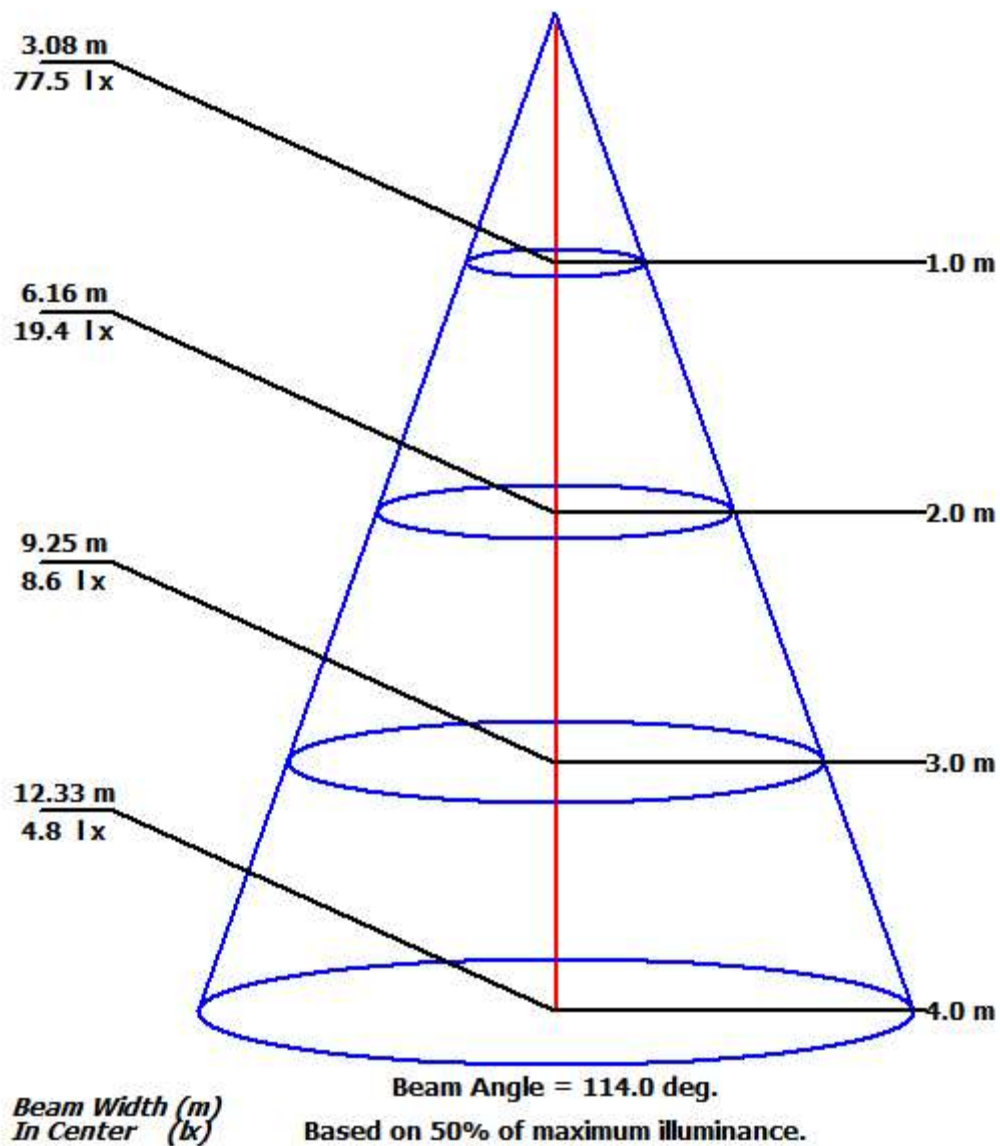
CGR

Total flux (lm) 235

Power FDate 1

2019-12-18 오후 2:27:05

Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	235	Current (A)	0.152
Total flux (lm)	235	Power Factor	1

Report

191218

Filename 191218 NDP4 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Operator

CGR

Date

2019-12-18 오후 2:27:05

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