

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 : 191219

2. Purpose of Report :**3. Number of Report :** 191219**4. Test Standard / Item :** / 191219 NDP4 30K-24V-C90 SF1907 VER 3.3e 28LM9**5. Test Period :** 191219 ~ 191219**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
191219	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4379 , 0.3979	
Correlated Color Temperature	K	2949	
Ra		94.31	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.150	
Input Watt	W	3.6	
Lamp Flux	lm	234.7	
Efficient	lm/W	65.19	
luminous Intensity (Max , Center)	cd	75 , 75	
Illuminance	lx	75	1 m
		19	2 m
		8	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191219

No. of lamps 1

Voltage Filename 191219 NDP4 30K-24V-C90 SF1907 VER 3.3e 28LM9.jdt

Lamp flux (lm) 235

Current Operator 0.15

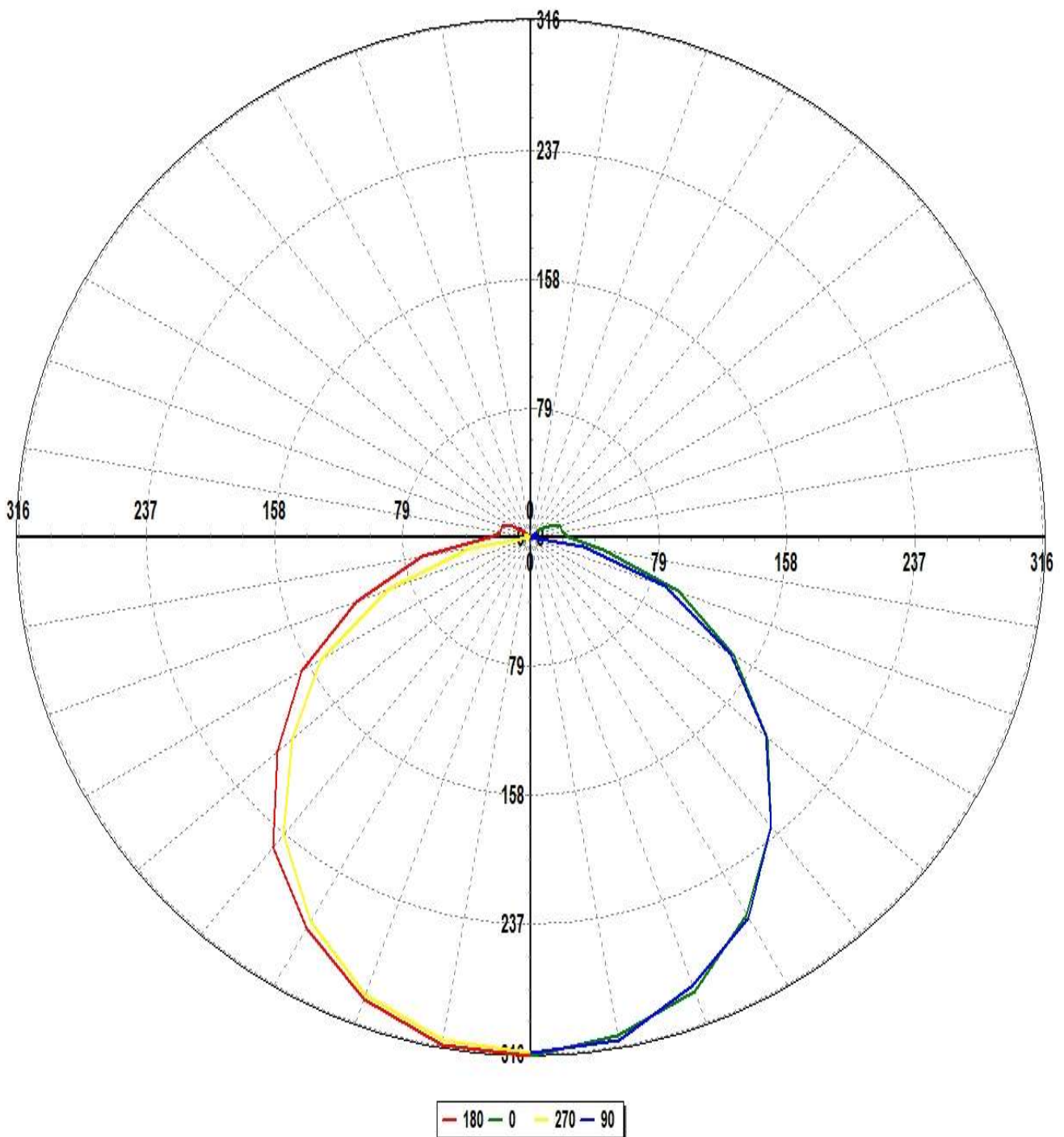
CGR

Total flux (lm) 235

Power FDate 1

2019-12-19 오전 9:43:50

Luminous Intensity Distribution



Luminaire

Lamp

Report

191219

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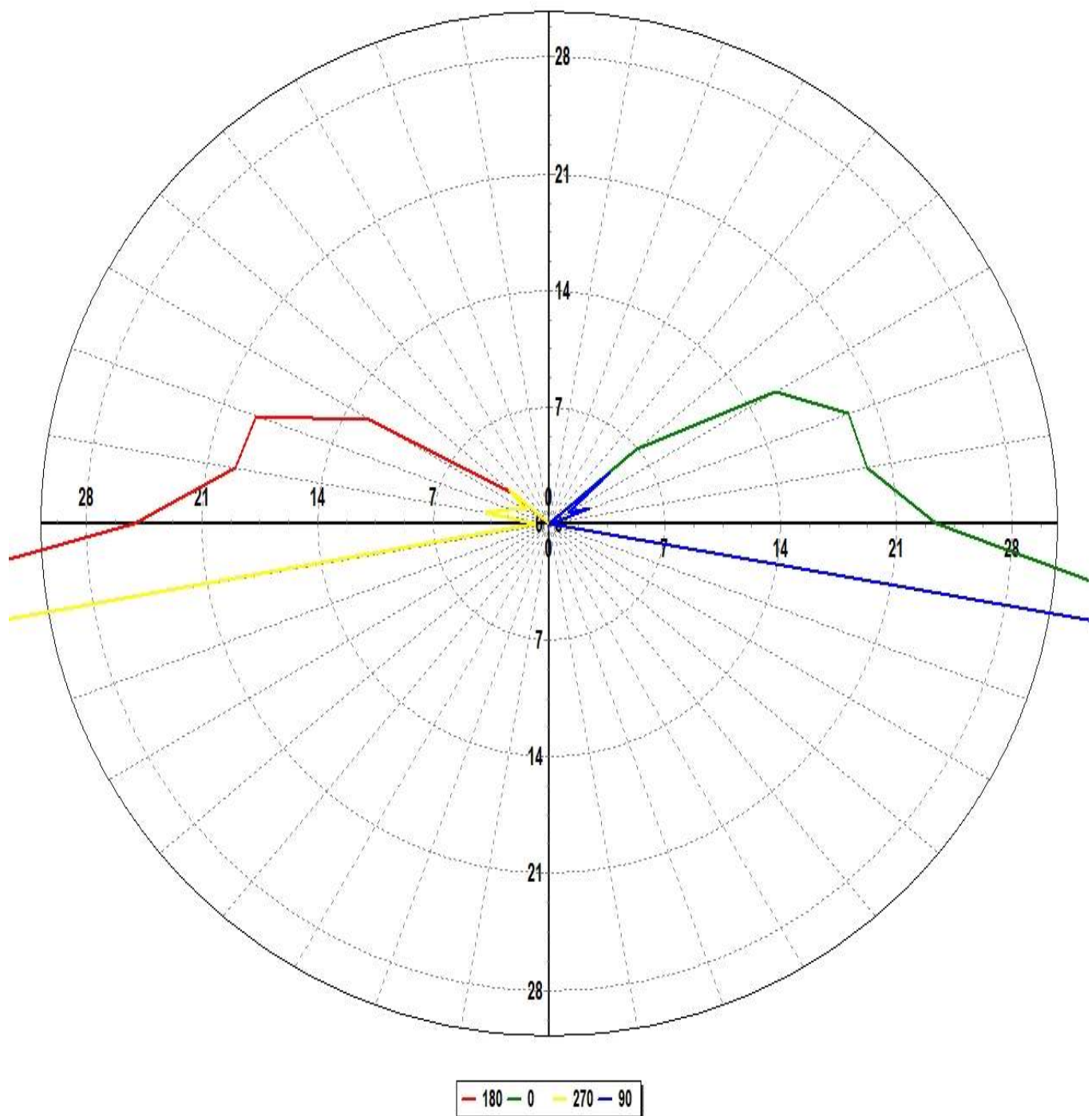
CGR

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Power FDate 1

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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CGR

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Power FDate 1

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Luminous Intensity Data

Maximum (cd) : 75

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	74.59	73.9	74.75	74.12	75.02	73.84	74.59	73.9	74.75	74.12	75.02	73.84	74.59
10	72.65	72.62	73.08	73.53	72.7	72.71	74.06	74.62	73.24	73.43	72.95	72.92	72.65
20	69.49	68.45	69.34	68.64	69.44	69.92	70.76	70.05	69.74	70.09	69	68.8	69.49
30	62.73	61.94	62.64	63.04	63.15	64.11	64.87	65.68	64.23	63.79	63.72	62.54	62.73
40	54.14	53.34	53.7	54.27	55.49	56.28	58.13	56.99	56.42	55.72	54.43	55.87	54.14
50	44.86	44.95	44.28	44.42	45.69	46.87	47.97	49.08	47.39	45.17	45.01	45.57	44.86
60	34.04	33.48	33.48	33.34	34.76	35.88	38.35	38.17	35.53	35.08	34.14	34.75	34.04
70	22.78	21.26	19.85	20.74	22.52	24.68	26.89	25.73	24.29	22.02	21.28	23.03	22.78
80	10.71	10.72	9	7.79	10.04	12.25	15.94	14.48	10.98	8.98	9.97	12.35	10.71
90	5.5	4.91	3.04	-0.31	2.53	4.46	5.9	5.22	2.38	0.19	2.97	4.8	5.5
100	4.59	4.68	2.34	0.03	2.14	3.68	4.53	3.36	2.62	0.91	2.8	4.22	4.59
110	4.53	3.79	2.11	0.61	1.6	3.78	4.43	3.14	1.31	0.61	2.03	4.28	4.53
120	3.71	2.57	0.27	0.31	0.82	2.14	2.95	2.85	0.52	0.38	0.45	2.74	3.71
130	1.62	0.7	1.45	1.13	0.93	0.97	0.69	1.45	1.34	0.74	0.7	1.67	1.62

Luminaire

Lamp		Report	191219
No. of lamps	1	Voltage Filename	191219 NDP4 30K-24V-C90 SF1907 VER 3.3e 28LM9.jdt
Lamp flux (lm)	235	Current Operator	0.15 CGR
Total flux (lm)	235	Power FDate	1 2019-12-19 오전 9:43:50

Luminous Flux Table

Total Lamp Lumens:	235
Luminaire Efficiency (lm/W):	234.73
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.78	1.78	0.76	0.76
10	13.92	15.70	6.69	6.69
20	26.03	41.73	17.78	17.78
30	34.79	76.52	32.60	32.60
40	39.00	115.52	49.22	49.21
50	38.54	154.06	65.64	65.63
60	33.28	187.34	79.82	79.81
70	23.59	210.93	89.87	89.86
80	11.97	222.90	94.97	94.96
90	3.80	226.70	96.59	96.58
100	3.23	229.93	97.97	97.95
110	2.76	232.69	99.14	99.13
120	1.56	234.25	99.81	99.79
130	0.49	234.73	100.01	100.00

Luminaire

Lamp

Report

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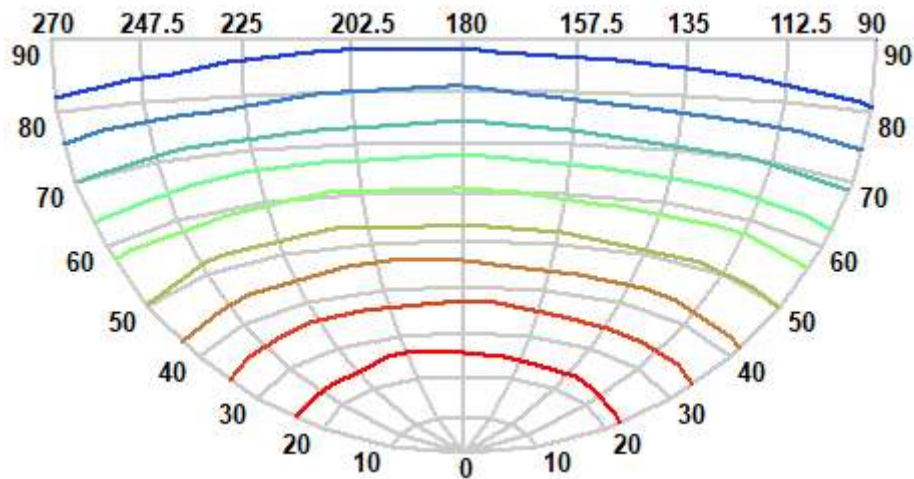
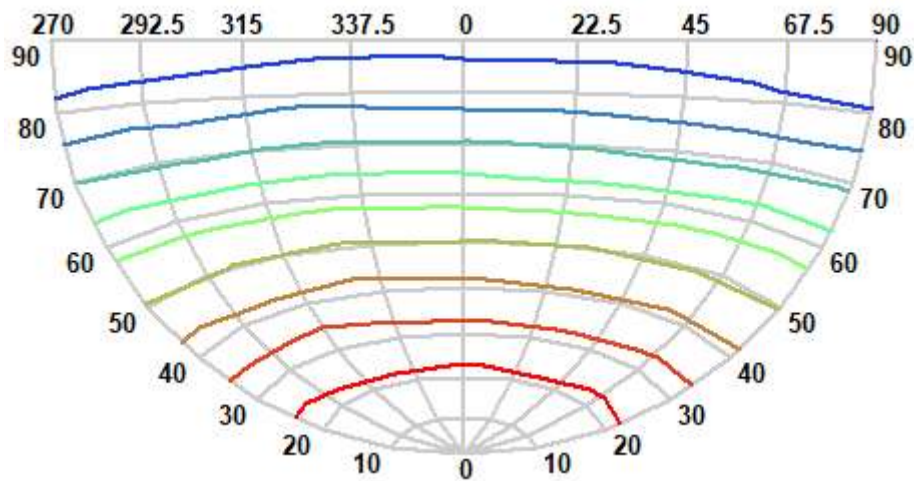
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Power FDate 1

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IsoCandela (Type C)



Luminaire

Lamp

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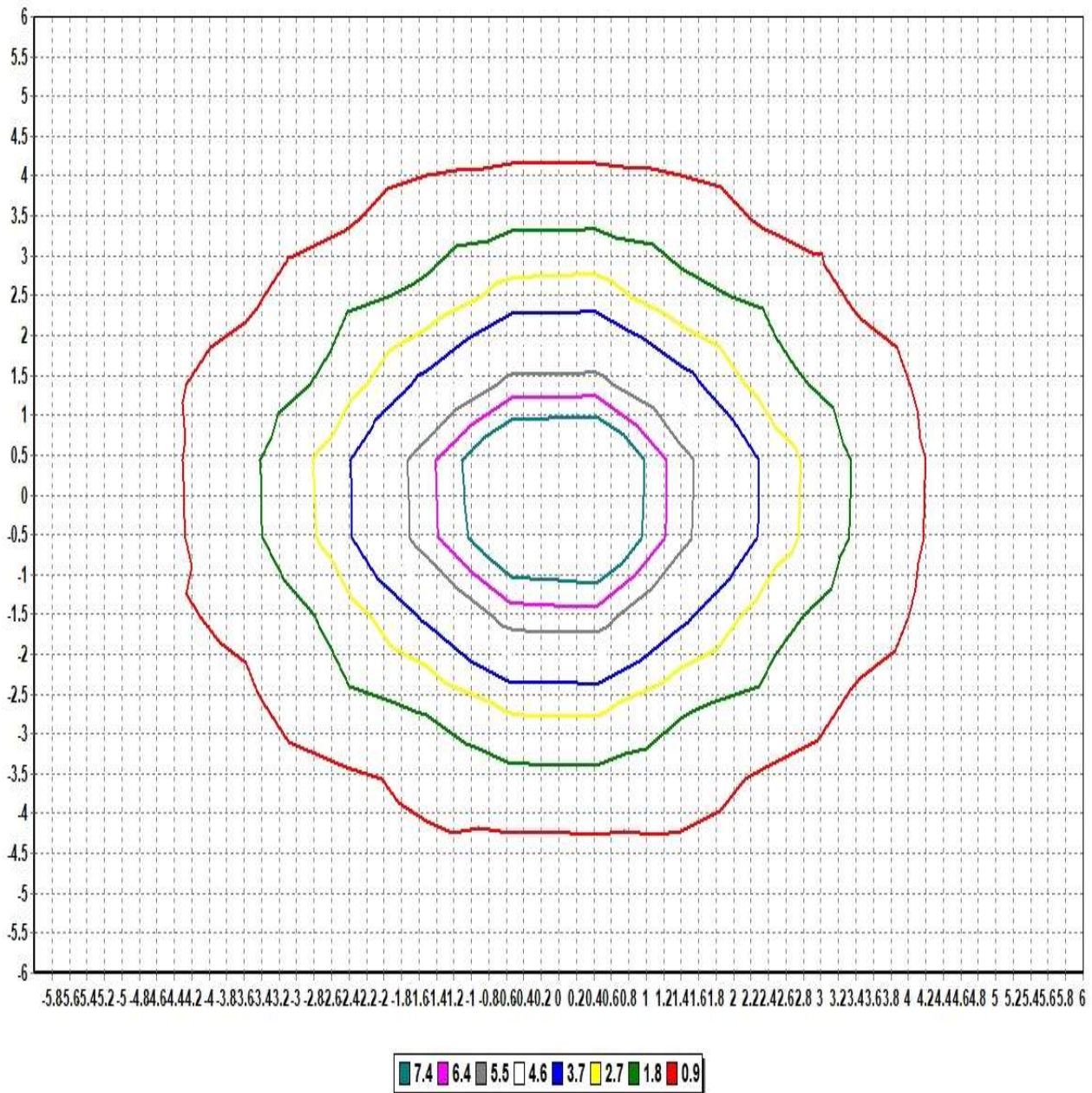
CGR

Total flux (lm) 235

Power FDate 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

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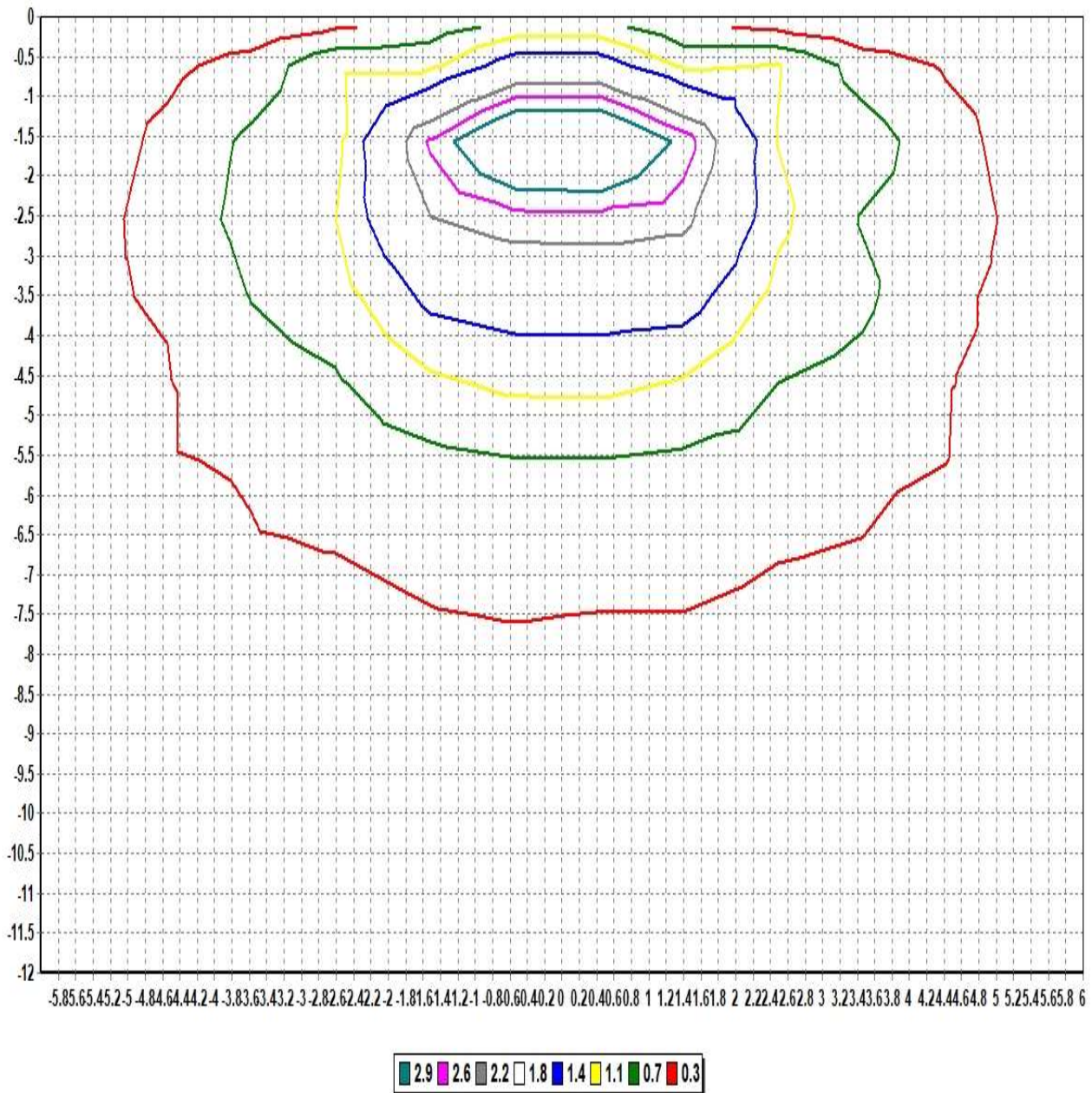
CGR

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Power FDate 1

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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)	235	Current (A)	0.15
Total flux (lm)	235	Power Factor	1

Report

191219

Filename 191219 NDP4 30K-24V-C90 SF1907 VER 3.3e 28LM9.jdt

Operator

CGR

Date

2019-12-19 오전 9:43:50

Illuminance Levels (Ground)

6.00	0.12	0.16	0.13	0.18	0.21	0.23	0.25	0.23	0.21	0.17	0.12	0.15	0.12
5.00	0.16	0.14	0.20	0.27	0.51	0.59	0.63	0.59	0.51	0.27	0.19	0.14	0.16
4.00	0.15	0.22	0.44	0.63	0.68	0.83	0.91	0.83	0.66	0.63	0.44	0.21	0.14
3.00	0.18	0.31	0.66	0.78	1.52	1.72	1.90	1.69	1.50	0.78	0.63	0.29	0.17
2.00	0.22	0.52	0.68	1.57	2.20	3.49	4.08	3.37	2.17	1.51	0.66	0.51	0.21
1.00	0.28	0.64	0.91	1.75	3.50	6.15	8.30	6.09	3.37	1.70	0.85	0.60	0.25
0.00	0.30	0.68	1.01	2.05	4.30	8.37	10.23	8.21	4.07	1.92	0.92	0.63	0.26
-1.00	0.27	0.63	0.91	1.84	3.60	6.34	8.29	6.21	3.44	1.72	0.85	0.60	0.25
-2.00	0.25	0.56	0.75	1.62	2.34	3.59	4.17	3.44	2.20	1.55	0.67	0.51	0.21
-3.00	0.20	0.33	0.69	0.87	1.59	1.83	1.94	1.71	1.54	0.79	0.64	0.29	0.17
-4.00	0.16	0.24	0.48	0.68	0.74	0.88	0.94	0.88	0.67	0.64	0.44	0.21	0.14
-5.00	0.18	0.17	0.23	0.30	0.55	0.61	0.64	0.62	0.51	0.29	0.21	0.14	0.16
-6.00	0.14	0.17	0.15	0.20	0.24	0.25	0.26	0.26	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.) : 10.2

Illum. (Min.) : 0.12

Illum. (Avg.) : 1.23

All illuminance level values are in lux.



Luminaire

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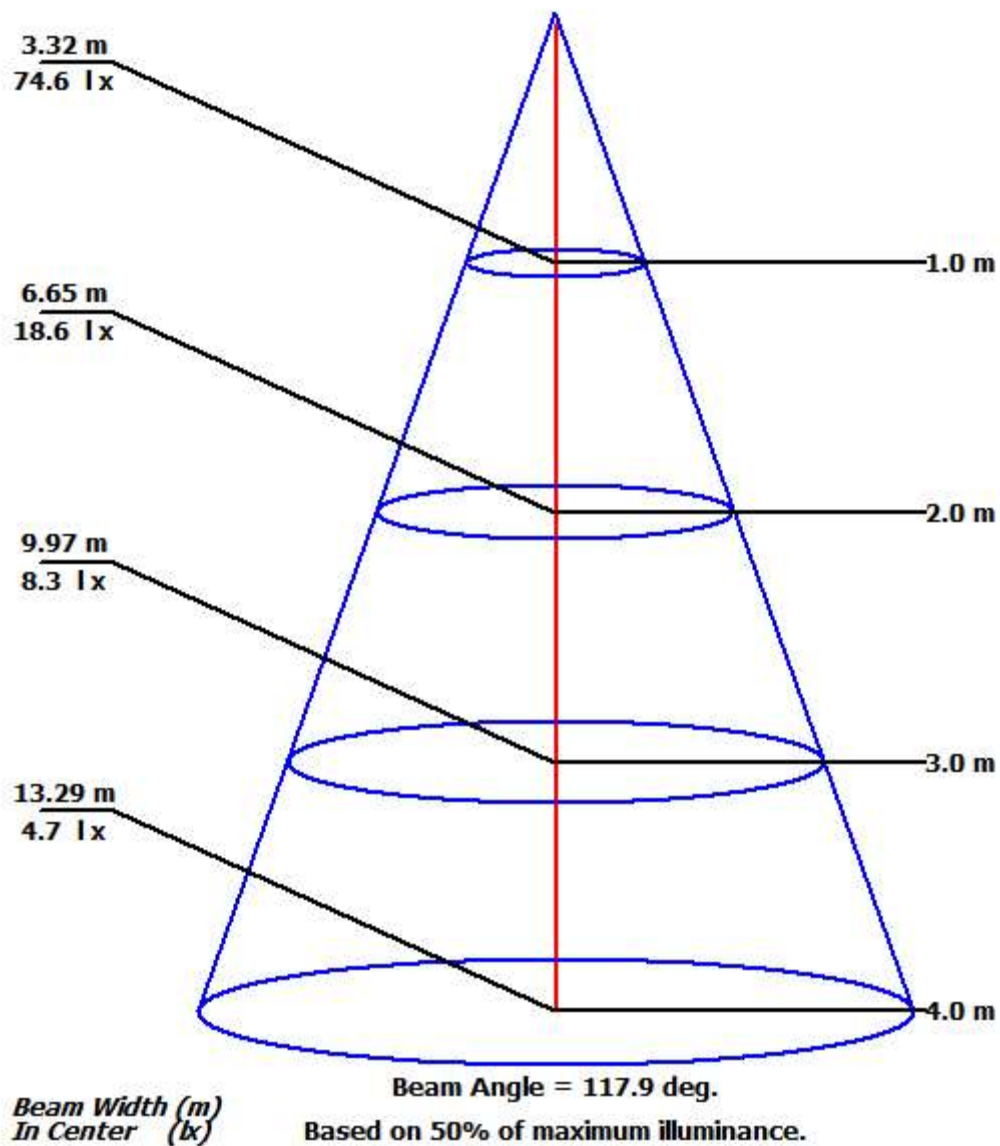
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Illuminance Cone Diagram





Luminaire

Lamp

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Total flux (lm)	235	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