

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 40K-24V-C90 SF1810 VER 3.1e 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		0.3881 , 0.3783	
Correlated Color Temperature	K	3821	
Ra		94.37	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.152	
Input Watt	W	3.64	
Lamp Flux	lm	259	
Efficient	lm/W	71.00	
luminous Intensity (Max , Center)	cd	86 , 86	
Illuminance	lx	86	1 m
		21	2 m
		10	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 40K-24V-C90 SF1810 VER 3.1e 28LM9.jdt

Lamp flux (lm) 259

Current Operator 0.152

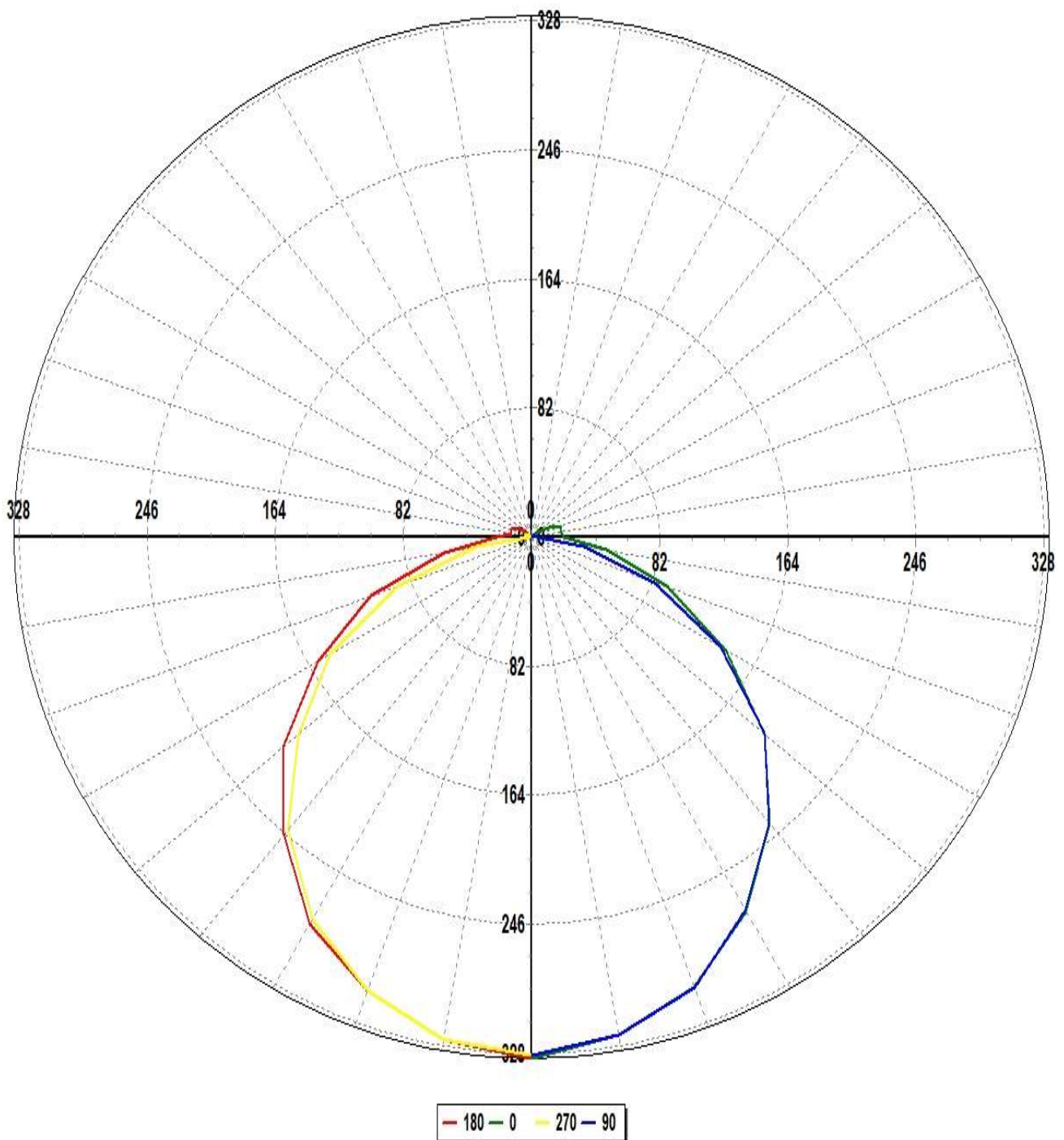
CGR

Total flux (lm) 259

Power FDate 1

2019-12-19 오전 10:29:38

Luminous Intensity Distribution



Luminaire

Lamp

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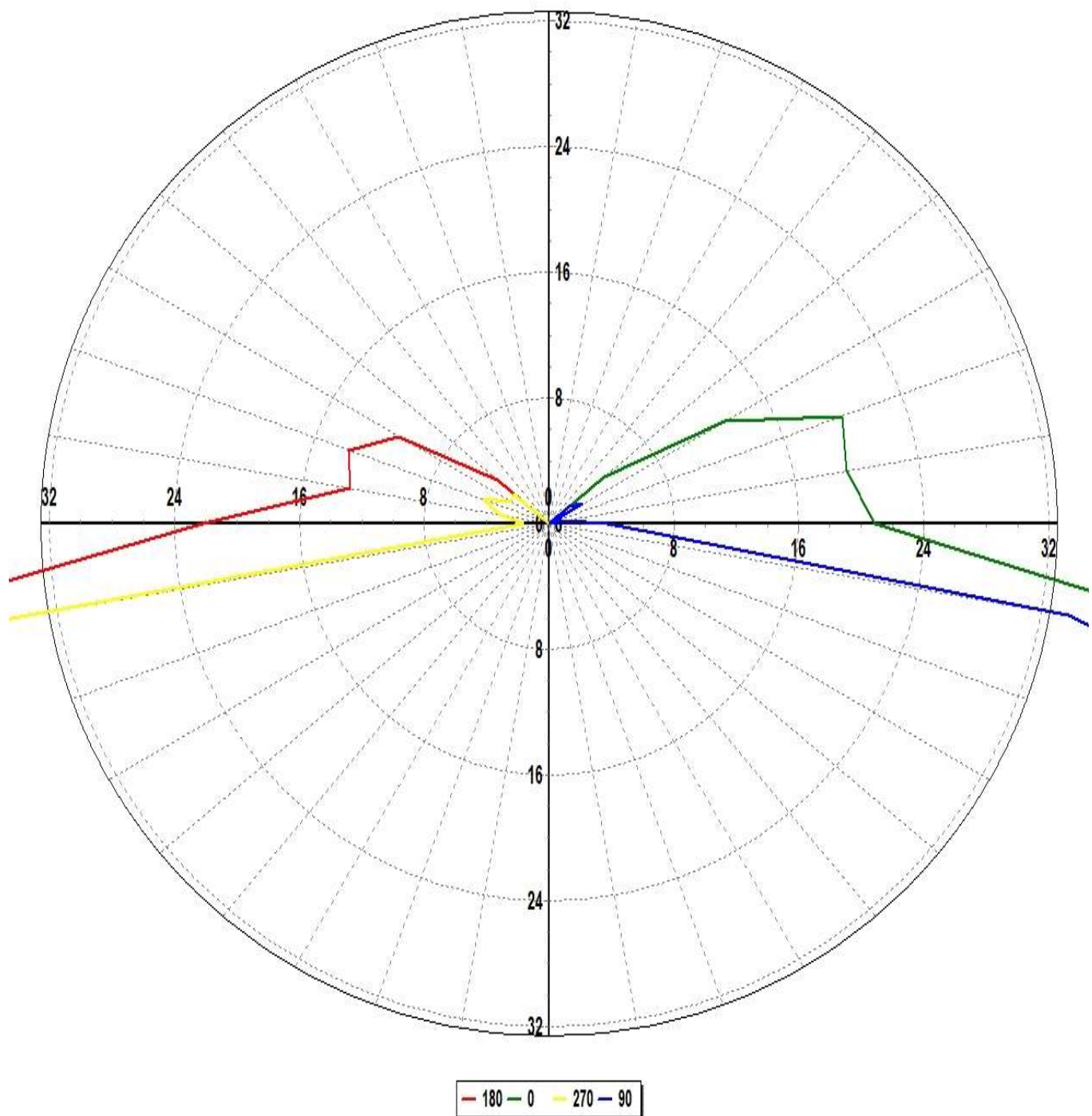
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Luminous Intensity Distribution (Lowest 10%)





Luminaire

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Luminous Intensity Data

Maximum (cd) : 86

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	85.81	85.24	84.91	85.38	85.27	85.26	85.81	85.24	84.91	85.38	85.27	85.26	85.81
10	83.25	84.07	83.5	83.29	83.9	83.06	83.85	84.13	83.8	83.9	83.12	84.46	83.25
20	78.8	79.19	78.31	78.95	78.3	78.67	79.42	80.31	79.48	79.48	79.65	79.14	78.8
30	71.31	71.06	70.98	70.86	70.92	71.81	73.49	72.47	72.43	72.75	72.29	72.29	71.31
40	61.37	61.35	60.7	61.33	61.78	61.37	63.84	63.45	63.37	62.87	61.98	62.75	61.37
50	50.4	50.64	50.96	50.35	50.95	50.49	53.6	52.99	52.03	50.43	51.2	51.84	50.4
60	37.31	36.9	36.57	36.08	38.58	39.02	40.89	40.98	38.64	38.63	38.29	39.78	37.31
70	23.84	23.59	22.81	21.7	23.71	24.94	28.4	27.54	24.85	23.5	24.09	25.87	23.84
80	12.69	10.46	8.98	8.75	10.71	12.19	14.76	13.85	11.54	9.19	10.5	12.28	12.69
90	5.41	3.69	2.92	0.97	1.65	4.55	5.74	4.8	1.99	0.43	2.42	4.08	5.41
100	5	3.85	2.22	0.27	2.24	3.45	3.34	3.16	1.18	0.84	2.59	4	5
110	5.17	4.36	1.31	-0.05	2.36	3.68	3.54	3.1	1.21	1.17	2.19	4.76	5.17
120	3.37	2	0.58	0.64	0.66	1.09	2.89	2.52	-0.17	0.74	0.65	3.61	3.37
130	1.2	0.1	1.12	0.42	1.59	1.02	1.11	1.72	1.47	0.76	0.36	2.36	1.2



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Luminous Flux Table

Total Lamp Lumens: 259

Luminaire Efficiency (lm/W): 258.97

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.04	2.04	0.79	0.79
10	15.92	17.96	6.93	6.93
20	29.65	47.60	18.38	18.38
30	39.37	86.97	33.58	33.58
40	43.77	130.74	50.48	50.49
50	43.06	173.80	67.11	67.11
60	36.49	210.29	81.19	81.20
70	25.29	235.58	90.96	90.97
80	12.22	247.80	95.67	95.68
90	3.53	251.33	97.04	97.05
100	2.89	254.21	98.15	98.16
110	2.81	257.03	99.24	99.25
120	1.47	258.49	99.80	99.81
130	0.48	258.97	99.99	100.00



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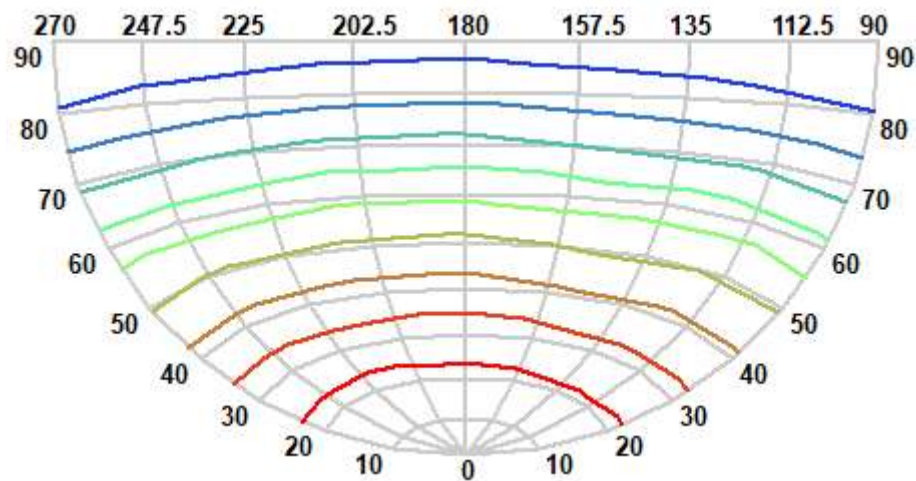
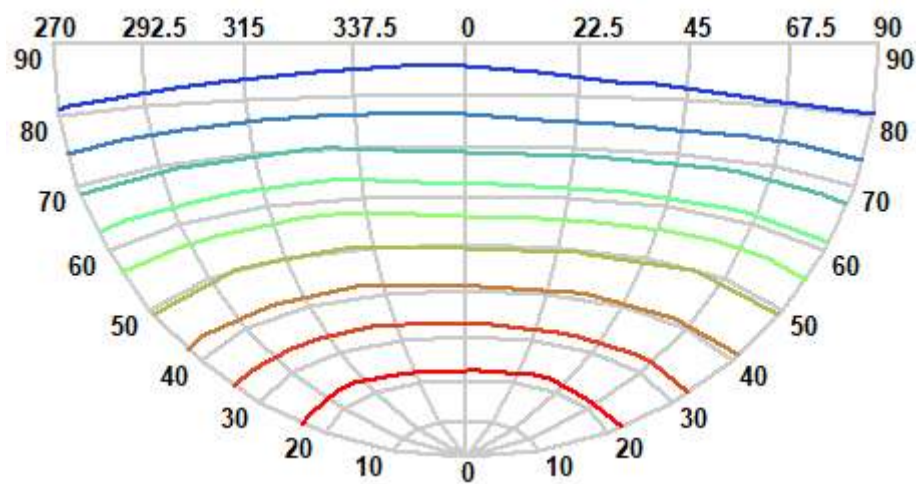
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IsoCandela (Type C)



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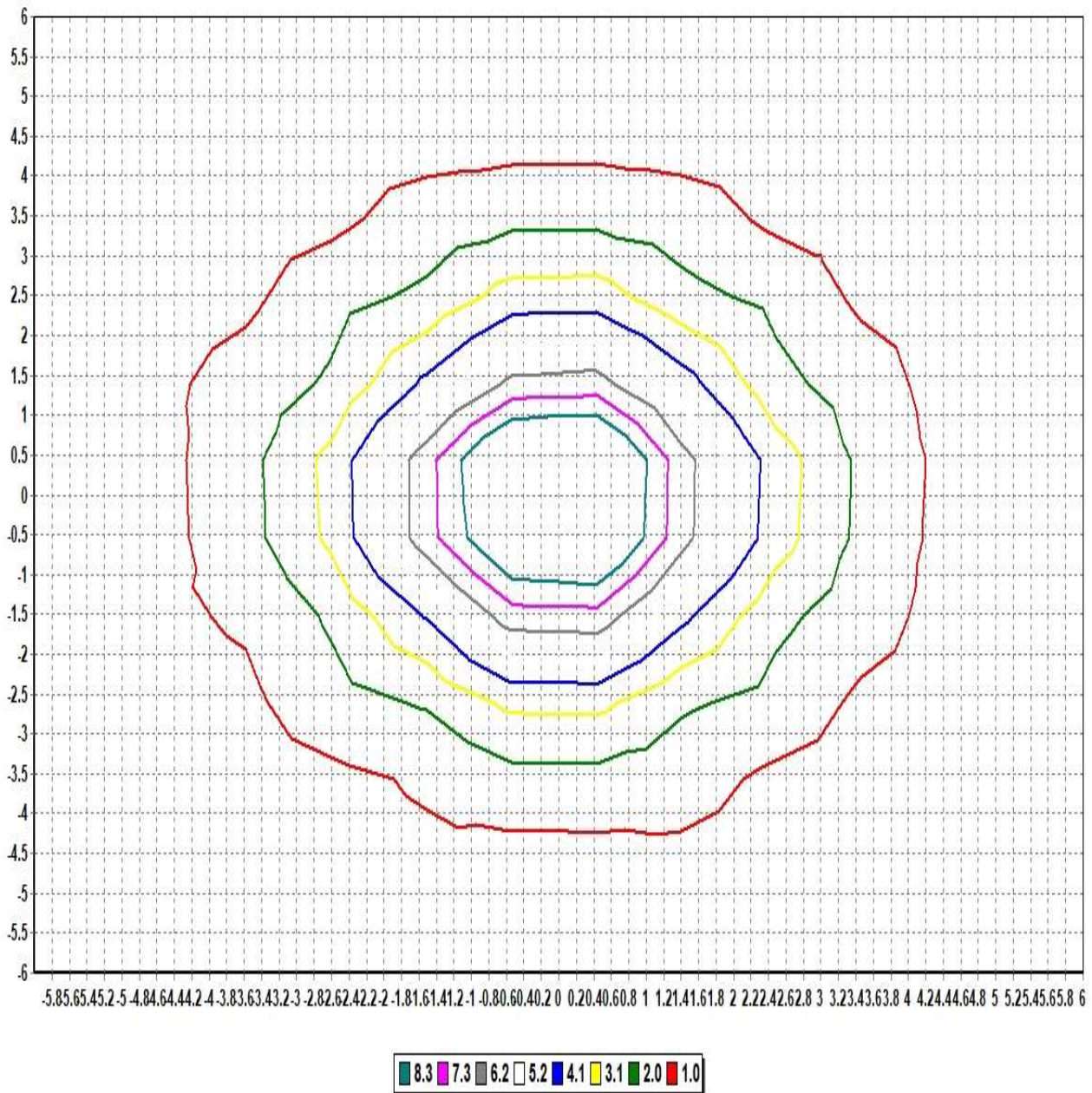
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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

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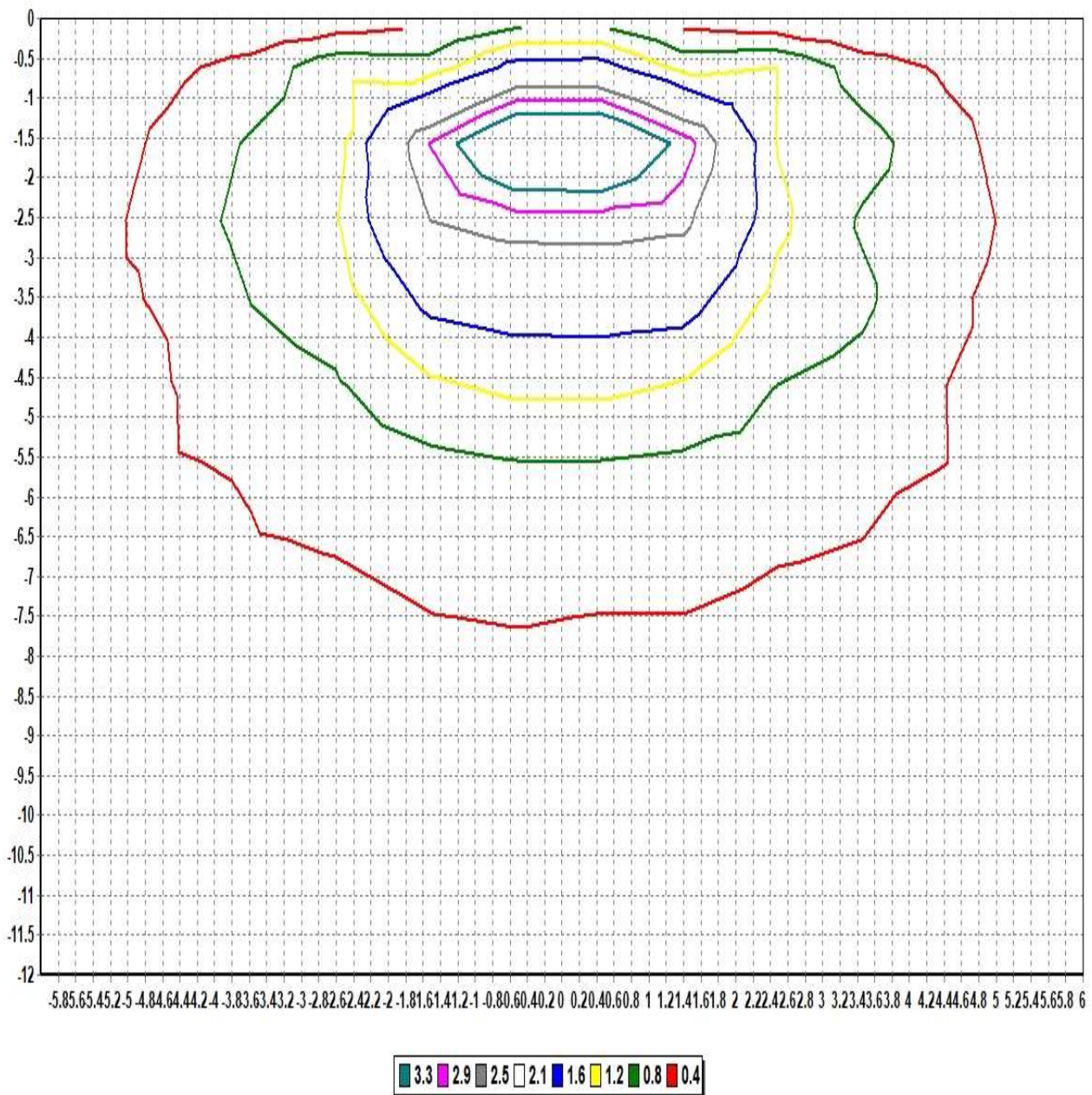
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IsoLux Diagram (Wall)



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)	259	Current (A)	0.152
Total flux (lm)	259	Power Factor	1

Report

Report	191219
Filename	191219 NDP4 40K-24V-C90 SF1810 VER 3.1e 28LM9.jdt
Operator	CGR
Date	2019-12-19 오전 10:29:38

Illuminance Levels (Ground)

6.00	0.13	0.17	0.13	0.19	0.23	0.26	0.26	0.25	0.23	0.19	0.14	0.17	0.13
5.00	0.18	0.15	0.21	0.29	0.57	0.67	0.71	0.67	0.57	0.30	0.22	0.16	0.17
4.00	0.15	0.23	0.49	0.71	0.75	0.92	1.00	0.92	0.73	0.71	0.49	0.22	0.14
3.00	0.19	0.32	0.72	0.86	1.71	1.92	2.16	1.93	1.70	0.86	0.71	0.31	0.19
2.00	0.24	0.58	0.76	1.71	2.47	3.89	4.60	3.86	2.46	1.71	0.73	0.57	0.23
1.00	0.30	0.70	0.99	1.93	3.89	6.93	9.41	6.96	3.87	1.92	0.96	0.68	0.28
0.00	0.32	0.76	1.10	2.28	4.78	9.47	11.77	9.40	4.61	2.16	1.02	0.71	0.28
-1.00	0.29	0.69	0.99	2.02	4.00	7.11	9.47	7.07	3.91	1.95	0.96	0.68	0.27
-2.00	0.27	0.61	0.80	1.79	2.58	4.00	4.72	3.91	2.49	1.75	0.76	0.58	0.24
-3.00	0.22	0.35	0.76	0.93	1.77	2.00	2.17	1.93	1.74	0.88	0.73	0.33	0.19
-4.00	0.17	0.26	0.52	0.74	0.80	0.96	1.04	0.96	0.75	0.72	0.50	0.24	0.16
-5.00	0.19	0.18	0.24	0.32	0.60	0.68	0.71	0.69	0.58	0.31	0.22	0.16	0.18
-6.00	0.14	0.18	0.15	0.21	0.26	0.27	0.28	0.27	0.24	0.19	0.14	0.18	0.13
-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.) : 11.8

Illum. (Min.) : 0.13

Illum. (Avg.) : 1.38

All illuminance level values are in lux.



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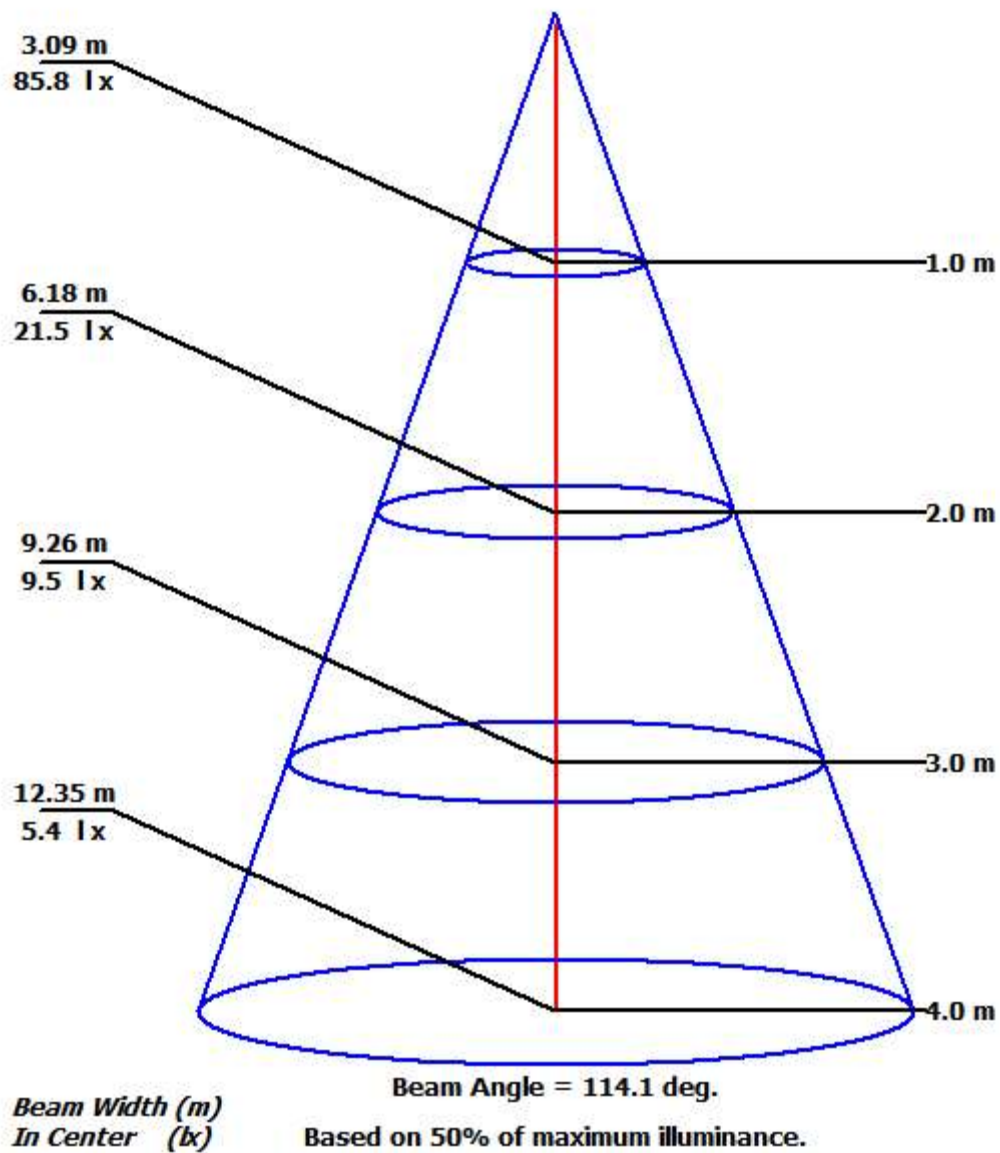
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Illuminance Cone Diagram





Luminaire

Lamp

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Total flux (lm)	259	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