

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 : 191226

2. Purpose of Report :

3. Number of Report : 191226

4. Test Standard / Item : / 191226 NDP15 27K-24V-C90 SF1906 VER 3.3e 28LM9

5. Test Period : 191226 ~ 191226

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
191226	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4606 , 0.4074	
Correlated Color Temperature	K	2680	
Ra		93.03	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.600	
Input Watt	W	14.39	
Lamp Flux	lm	940.5	
Efficient	lm/W	65.31	
luminous Intensity (Max , Center)	cd	300 , 300	
Illuminance	lx	300	1 m
		75	2 m
		33	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 941

CurrentOperator 0.6

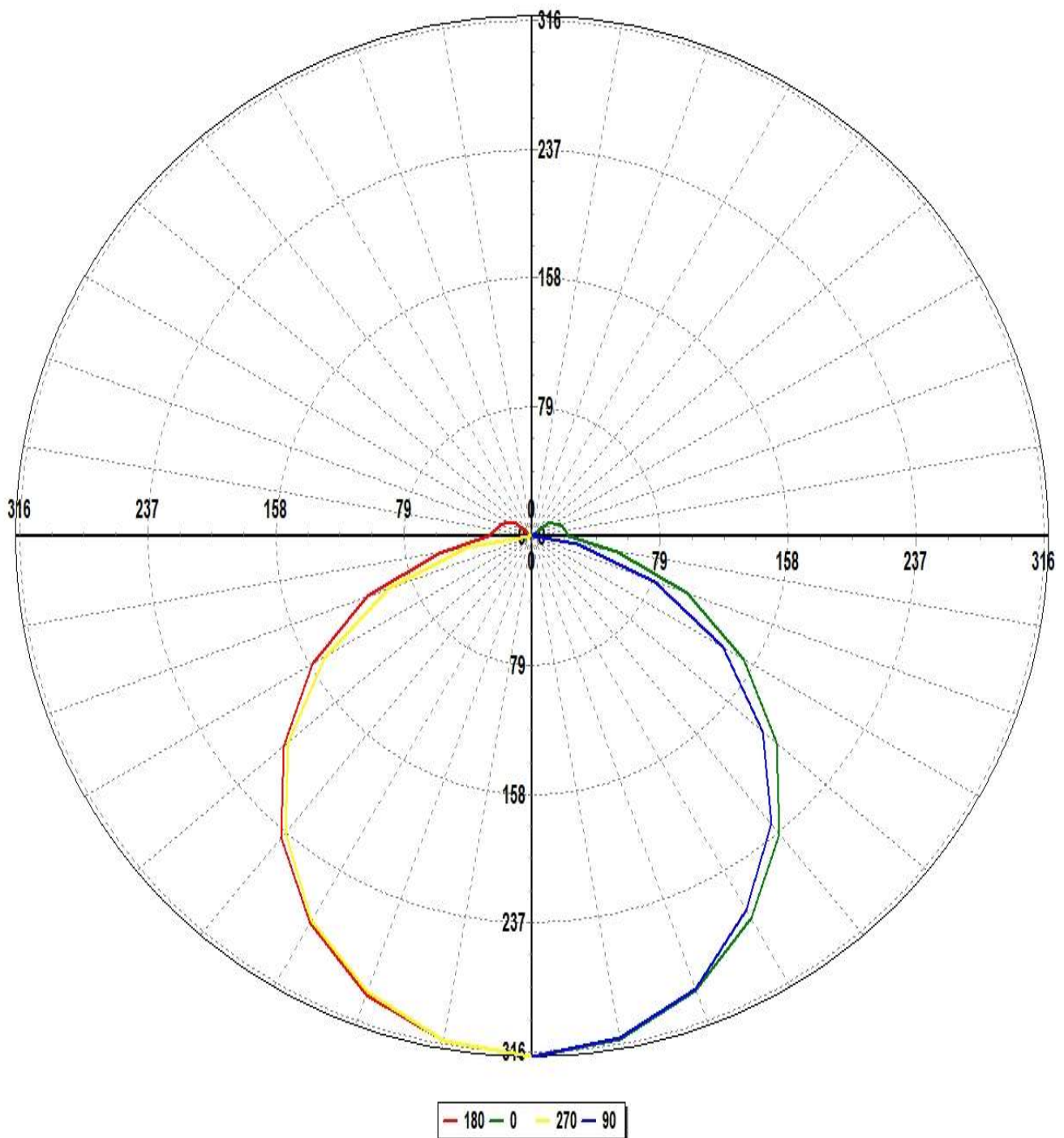
CGR

Total flux (lm) 941

Power Date 1

2019-12-26 오후 12:00:03

Luminous Intensity Distribution



Luminaire

Lamp

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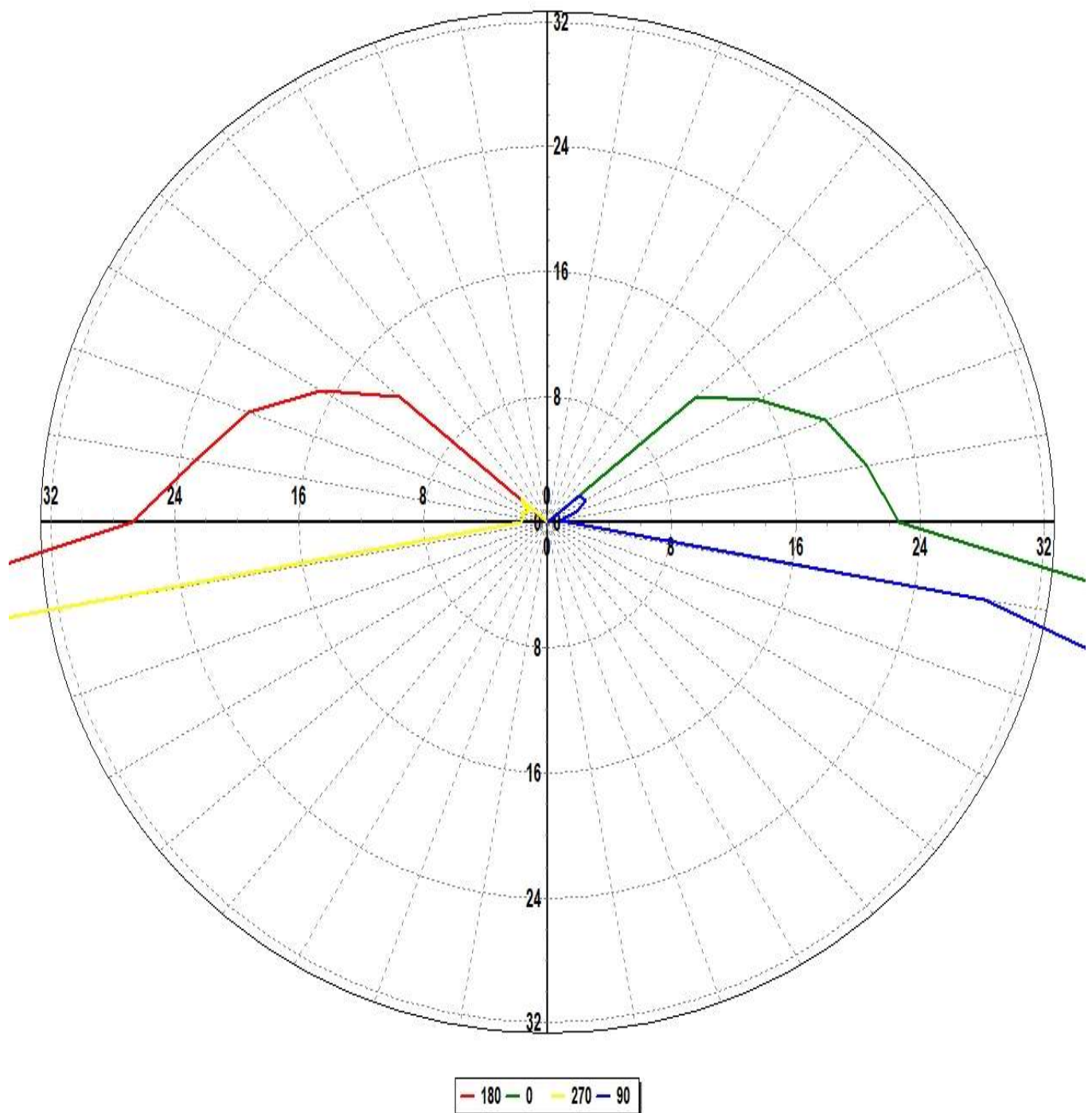
CGR

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Power Date 1

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

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Luminous Intensity Data

Maximum (cd) : 300

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	299.75	299.71	298.52	299.55	299.18	299.47	299.75	299.71	298.52	299.55	299.18
10	294.14	294.33	291.89	293.38	292.92	292.64	295.06	295.58	294.55	295.31	294.66
20	277.96	278.1	275.9	277.18	276.42	276.71	280.84	281.08	280.34	279.59	280.31
30	254.31	252.4	251.28	249	249.84	252.16	257.46	257.7	255.64	256.1	257.93
40	223.66	220.06	217.49	215.94	217.63	219.27	226.56	226.15	224.66	222.68	224.18
50	185.14	181.87	178.81	174.62	178.99	181.09	188.3	189.96	186.11	184.5	185.99
60	141.64	136.91	132.16	127.72	132.19	137.37	146.96	146.47	141.53	139.14	141.07
70	95.99	89.47	81.4	75.95	82.73	89.65	101.64	100.24	92.89	88.42	92.99
80	50.29	44.98	34.53	26.83	35.41	45.51	55.15	53.84	44.73	37.46	43.47
90	21.28	17.79	9.83	1.24	11.33	21.19	25.14	22.22	11.66	1.59	10.51
100	19.63	16.7	8.94	0.79	10.13	18.83	21.66	17.89	8.9	1.48	9.22
110	17.91	15.22	6.03	1.9	6.17	16.56	19.28	15.01	7.59	1.72	8.4
120	14.78	10.7	1.93	2.69	2.45	9.64	15.84	12.02	1.93	1.34	2
130	11.74	2.78	5.54	2.5	3.75	1.45	11.71	9.29	4.43	2.1	4.78



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Luminous Intensity Data (Continued)

Maximum (cd) : 300

Minimum (cd) : 1

G/C	330	360
0	299.47	299.75
10	295.81	294.14
20	281.78	277.96
30	257.82	254.31
40	227.8	223.66
50	190.29	185.14
60	147.36	141.64
70	100.18	95.99
80	53.43	50.29
90	20.36	21.28
100	16.97	19.63
110	15.59	17.91
120	12.77	14.78
130	6.78	11.74





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Luminous Flux Table

Total Lamp Lumens: 940

Luminaire Efficiency (lm/W): 940.48

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.16	7.16	0.76	0.76
10	55.95	63.11	6.71	6.71
20	104.46	167.56	17.82	17.82
30	139.26	306.82	32.62	32.62
40	156.41	463.23	49.25	49.26
50	154.21	617.45	65.65	65.65
60	132.04	749.49	79.69	79.69
70	93.62	843.10	89.64	89.65
80	47.24	890.35	94.67	94.67
90	15.89	906.24	96.36	96.36
100	13.59	919.83	97.80	97.80
110	11.27	931.09	99.00	99.00
120	6.96	938.06	99.74	99.74
130	2.42	940.48	100.00	100.00



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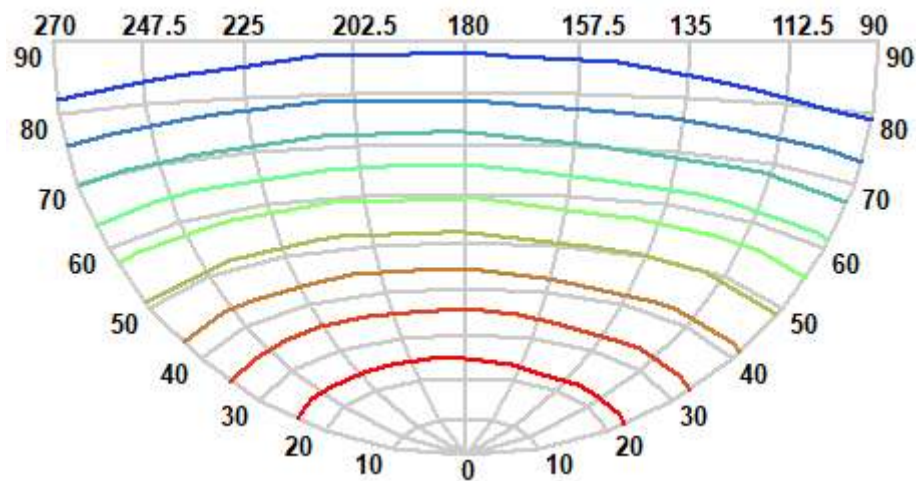
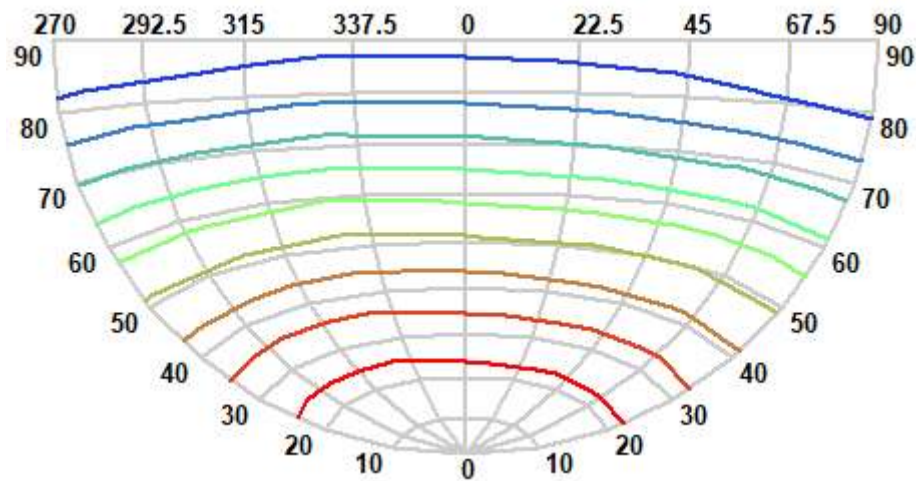
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IsoCandela (Type C)



Luminaire

Lamp

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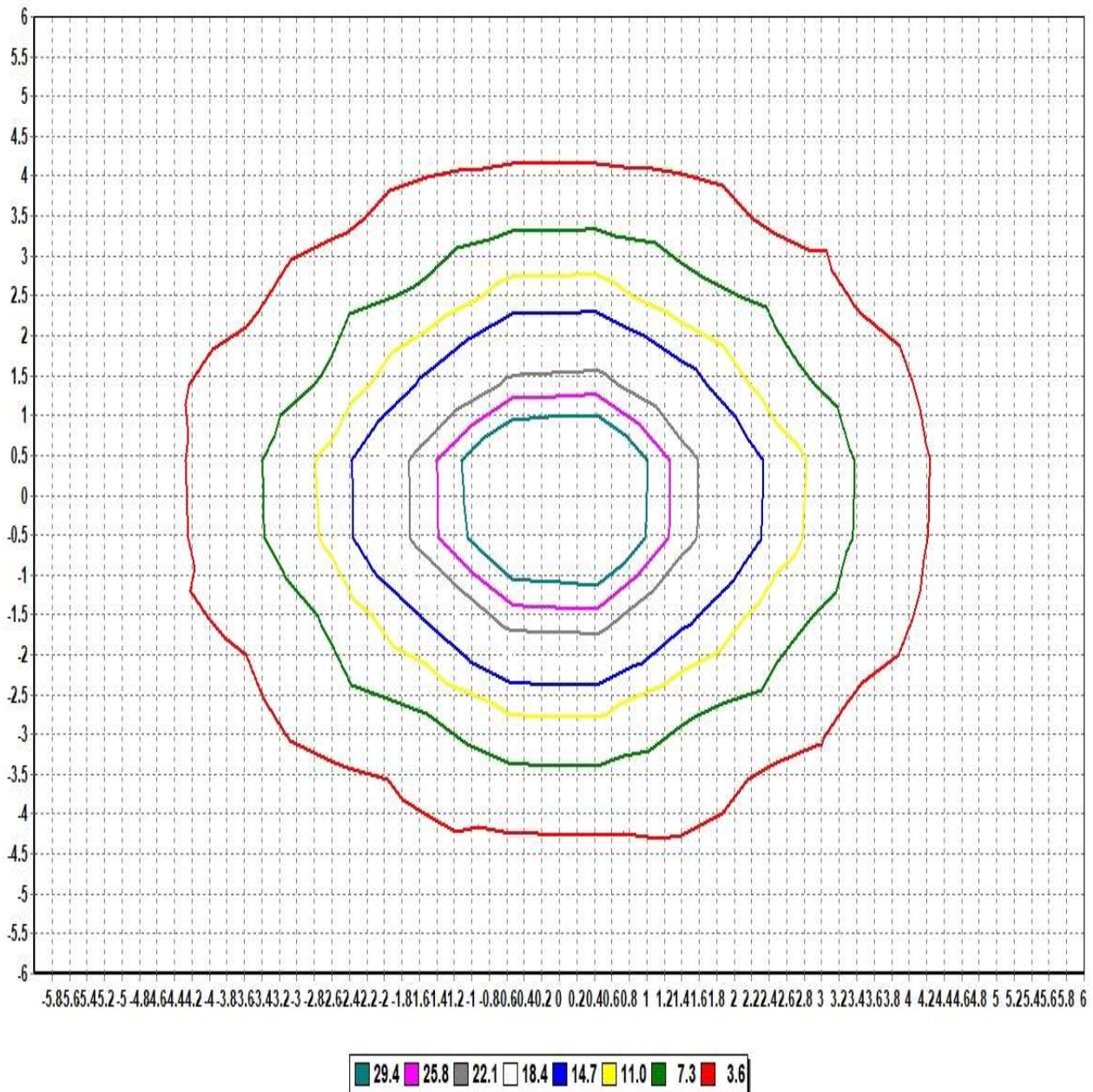
CGR

Total flux (lm) 941

Power Date 1

2019-12-26 오후 12:00:03

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

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CurrentOperator 0.6

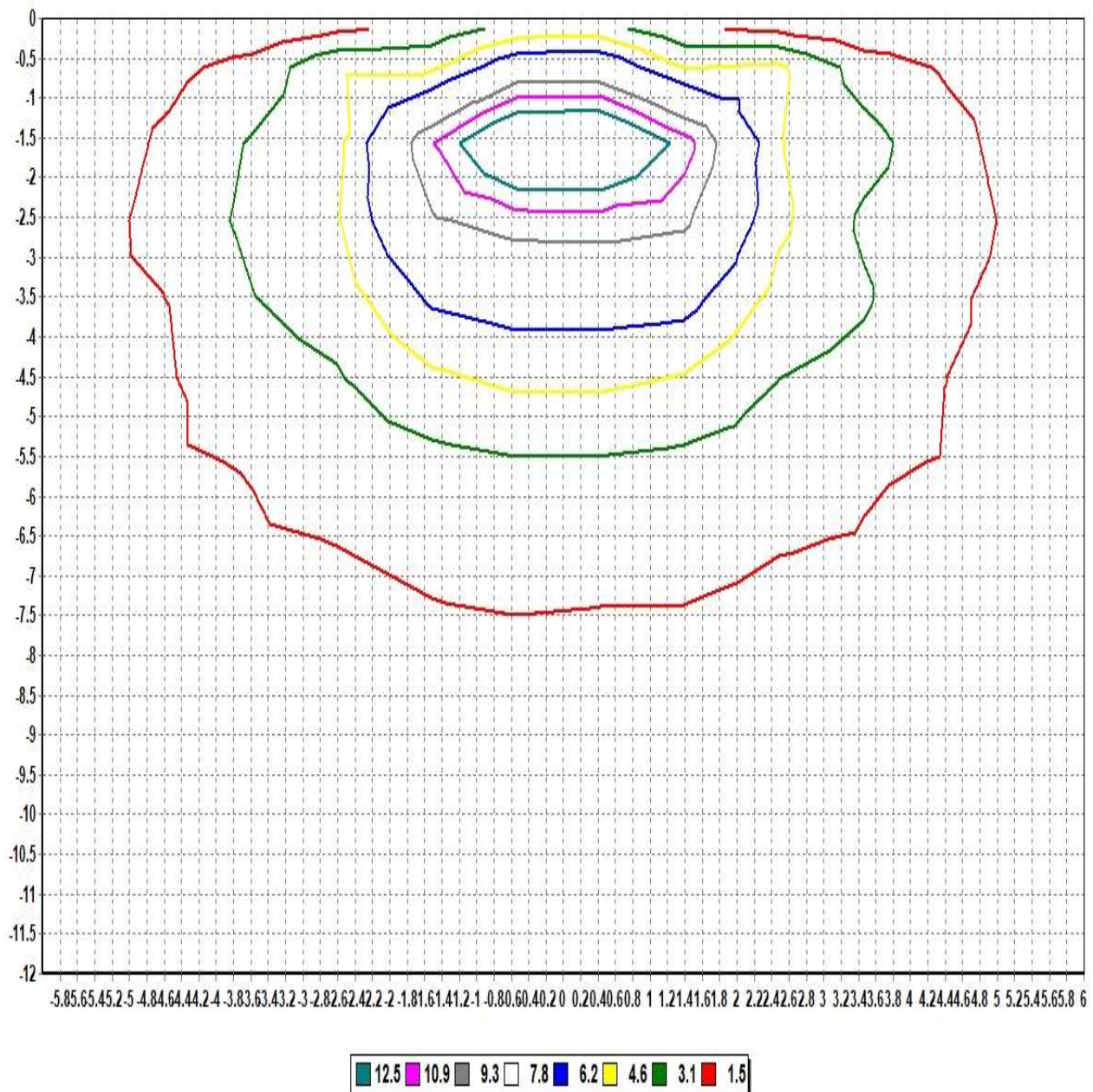
CGR

Total flux (lm) 941

Power Date 1

2019-12-26 오후 12:00:03

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)	941	Current (A)	0.6
Total flux (lm)	941	Power Factor	1

Report

191226

Filename 191226 NDP15 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Operator

CGR

Date

2019-12-26 오후 12:00:03

Illuminance Levels (Ground)

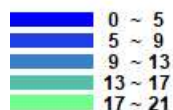
6.00	0.45	0.60	0.47	0.65	0.80	0.91	0.93	0.90	0.84	0.70	0.50	0.62	0.49
5.00	0.63	0.52	0.74	1.03	2.00	2.35	2.46	2.34	2.05	1.08	0.79	0.60	0.65
4.00	0.54	0.82	1.71	2.47	2.59	3.27	3.52	3.27	2.68	2.53	1.79	0.86	0.58
3.00	0.66	1.15	2.55	3.00	6.00	6.73	7.51	6.86	6.07	3.19	2.61	1.20	0.71
2.00	0.84	2.03	2.61	6.11	8.65	13.70	16.19	13.85	8.92	6.23	2.70	2.07	0.88
1.00	1.06	2.48	3.52	6.82	13.72	24.40	33.13	24.71	13.89	6.95	3.58	2.52	1.07
0.00	1.15	2.67	3.93	8.05	16.89	33.33	41.12	33.21	16.68	7.92	3.82	2.62	1.09
-1.00	1.03	2.46	3.51	7.18	14.25	25.09	33.35	25.02	14.15	7.12	3.57	2.50	1.06
-2.00	0.96	2.16	2.87	6.34	9.16	14.23	16.67	14.12	9.00	6.36	2.78	2.13	0.92
-3.00	0.78	1.26	2.68	3.34	6.28	7.15	7.89	7.03	6.23	3.21	2.68	1.25	0.74
-4.00	0.61	0.92	1.86	2.65	2.86	3.49	3.78	3.49	2.76	2.61	1.81	0.90	0.60
-5.00	0.68	0.65	0.87	1.19	2.15	2.47	2.61	2.48	2.10	1.15	0.84	0.59	0.67
-6.00	0.52	0.66	0.57	0.77	0.93	1.00	1.04	1.02	0.88	0.73	0.54	0.65	0.49
-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.) : 41.1

Illum. (Min.) : 0.45

Illum. (Avg.) : 4.92

All illuminance level values are in lux.



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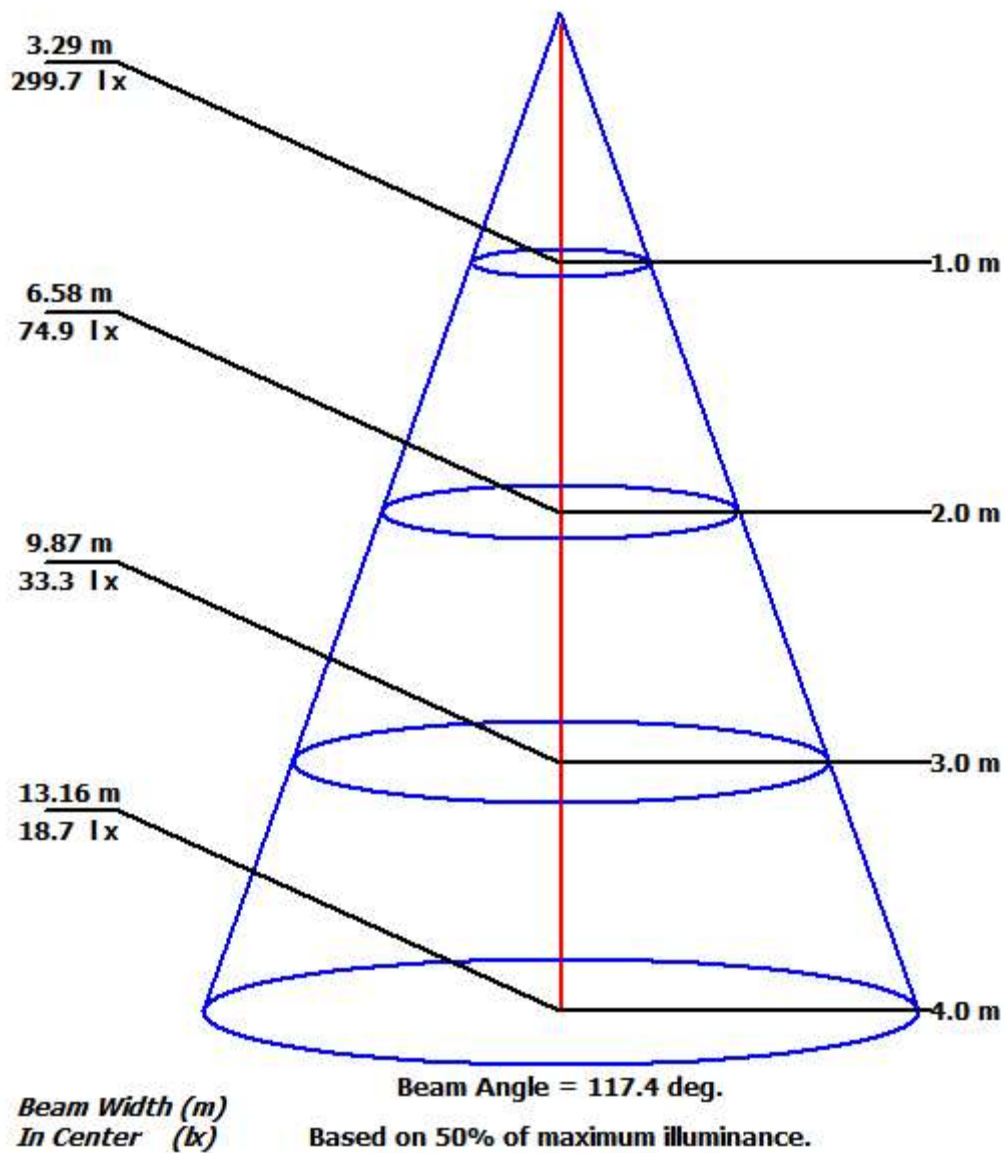
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Power Date 1

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Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	941	Current (A)	0.6
Total flux (lm)	941	Power Factor	1

Report

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Operator

CGR

Date

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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