

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 NDP11 30K-24V-C90 SF1903 VER 3.2e 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		0.4378 , 0.3993	
Correlated Color Temperature	K	2963	
Ra		94.35	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.452	
Input Watt	W	10.85	
Lamp Flux	lm	714	
Efficient	lm/W	65.82	
luminous Intensity (Max , Center)	cd	232 , 231	
Illuminance	lx	231	1 m
		58	2 m
		26	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 NDP11 30K-24V-C90 SF1903 VER 3.2e 28LM9.jdt

Lamp flux (lm) 714

CurrentOperator 0.452

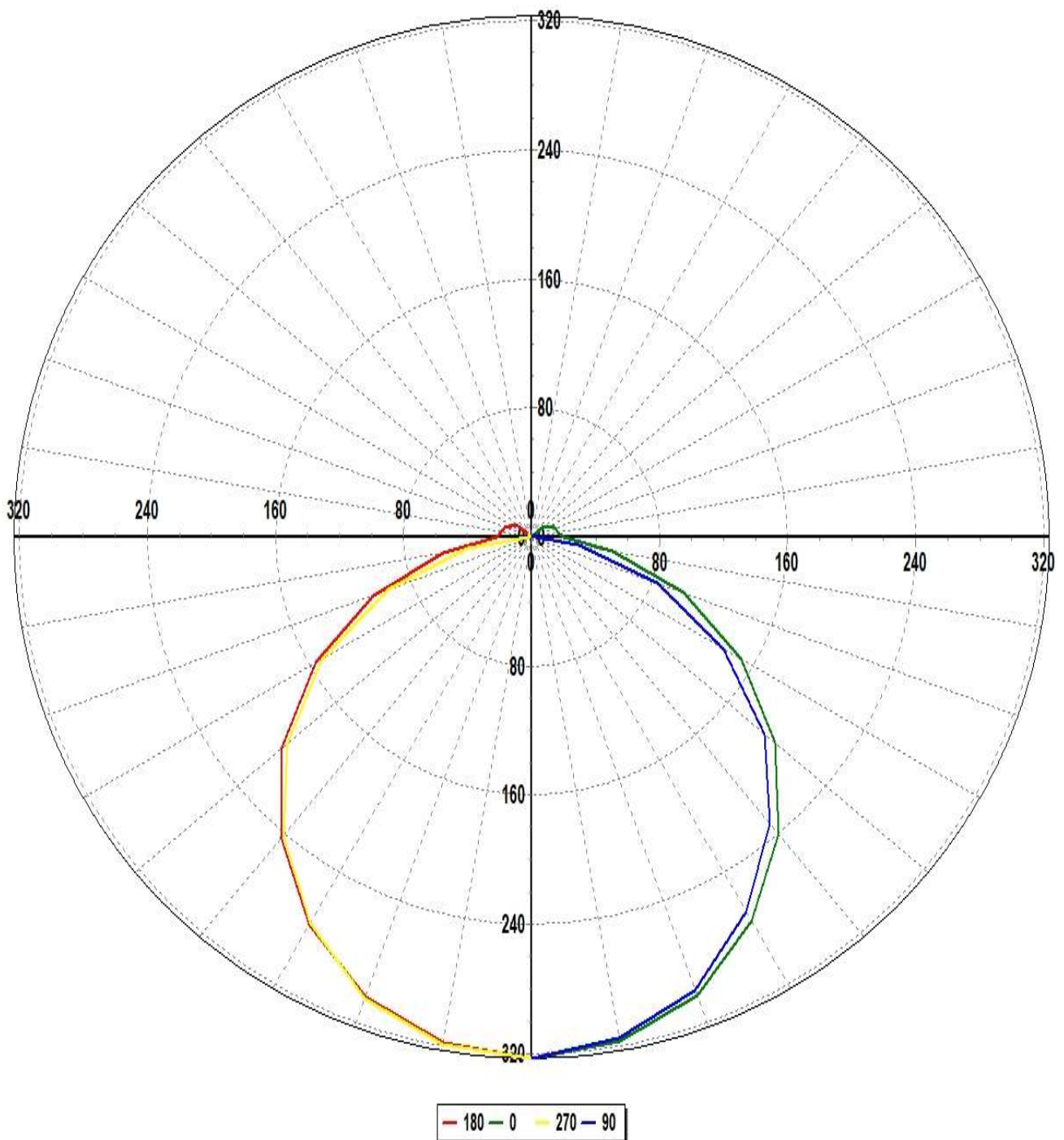
CGR

Total flux (lm) 714

Power Date# 1

2019-12-26 오전 9:45:16

Luminous Intensity Distribution



Luminaire

Lamp

Report

191226

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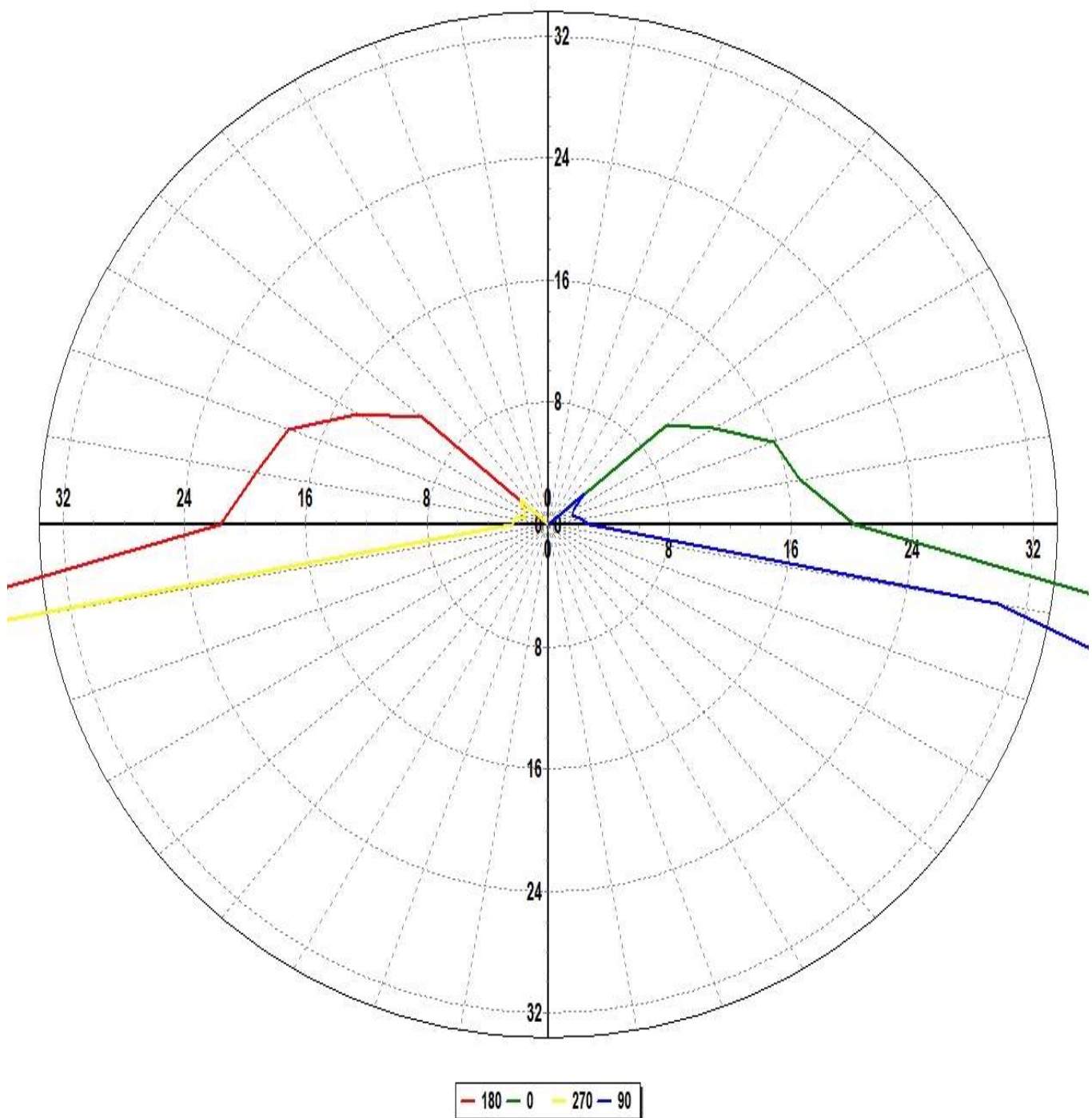
CGR

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Power Date 1

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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Power Date#r 1

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Luminous Intensity Data

Maximum (cd) : 232

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	230.88	231.39	231.75	230.88	231.5	229.9	230.88	231.39	231.75	230.88	231.5
10	226.98	226.43	226.29	225.04	225.91	225.5	227.52	228.4	227.76	228.11	226.8
20	215.88	214.25	213.07	213.35	212.33	212.66	216.73	216.84	215.67	217.45	216.56
30	196.19	193.95	193.66	191.63	193.66	193.14	198.19	198.82	196.88	197.48	197.97
40	171.39	170.11	166.34	165.38	167.54	168.04	173.9	173.63	172.49	172.31	174.16
50	141.77	139.78	137.9	135.57	137.31	138.63	145.29	144.45	142.66	142.53	143.03
60	107.75	105.27	102.77	99.02	101.99	104.13	110.87	111.36	108.46	107.74	108.97
70	72.08	67.84	63.09	59.61	62.85	66.91	75.13	74.35	69.67	68	71.42
80	36.96	32.38	27.17	21.5	25.65	31.98	39.87	38.26	32.51	28.97	33.53
90	14.45	11.25	6.41	1.92	6.73	11.97	15.46	12.95	6.79	1.69	6.94
100	12.05	9.91	5.92	1.51	6.13	12.06	14.01	10.53	5.24	1.57	6.15
110	11.3	9.78	3.61	1.21	5.09	10.29	13.03	10.51	4.8	1.16	4.43
120	8.97	5.84	1.07	1.4	0.89	6.12	10.37	7.31	1.23	1.32	1.28
130	7.27	1.33	3.1	2.24	3.57	2.43	7.78	5.82	2.72	1.77	3.23



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Power Date#r 1

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Luminous Intensity Data (Continued)

Maximum (cd) : 232

Minimum (cd) : 1

G/C	330	360
0	229.9	230.88
10	227.85	226.98
20	217.02	215.88
30	198.43	196.19
40	175.12	171.39
50	145.45	141.77
60	112.87	107.75
70	75.65	72.08
80	39.31	36.96
90	13.69	14.45
100	10.03	12.05
110	9.61	11.3
120	6.83	8.97
130	3.8	7.27



Luminaire

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Luminous Flux Table

Total Lamp Lumens: 714

Luminaire Efficiency (lm/W): 713.99

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.52	5.52	0.77	0.77
10	43.15	48.67	6.82	6.82
20	80.59	129.27	18.10	18.10
30	107.24	236.51	33.12	33.12
40	120.29	356.80	49.97	49.97
50	118.46	475.26	66.56	66.56
60	101.27	576.53	80.75	80.75
70	70.89	647.43	90.68	90.68
80	34.88	682.31	95.56	95.56
90	10.06	692.37	96.97	96.97
100	8.55	700.92	98.17	98.17
110	7.27	708.20	99.19	99.19
120	4.16	712.36	99.77	99.77
130	1.63	713.99	100.00	100.00



Luminaire

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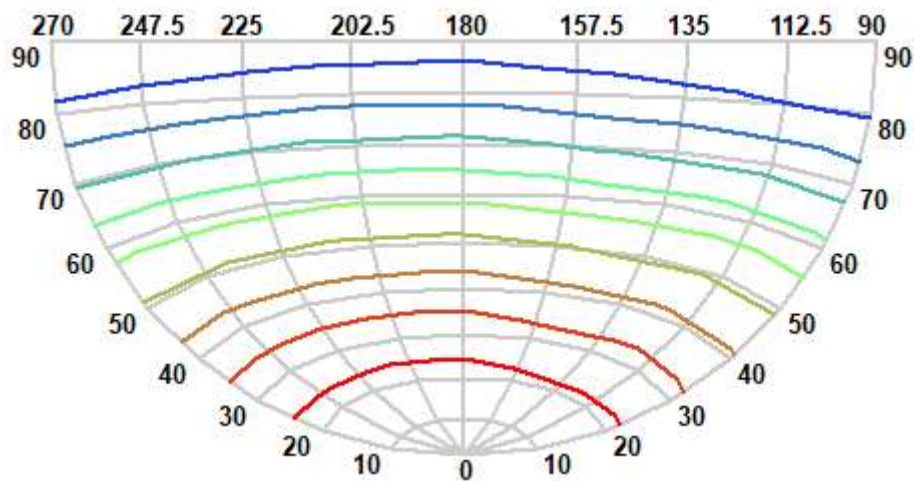
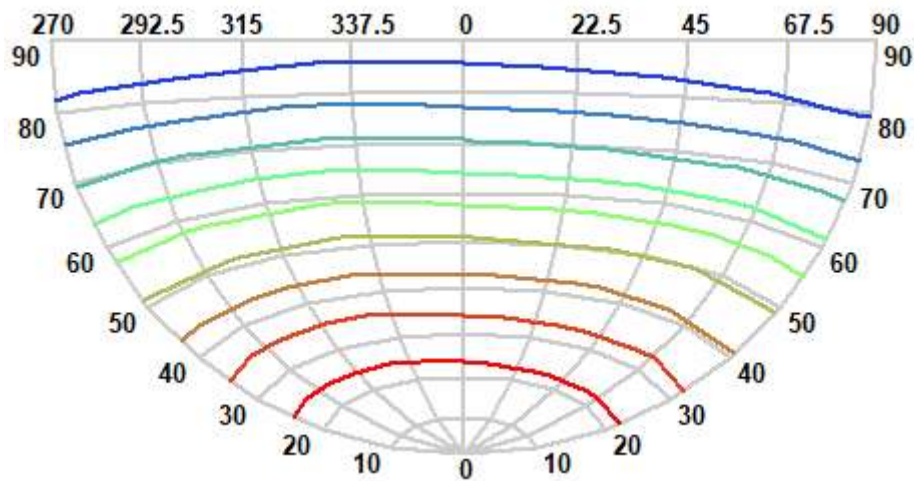
CGR

Total flux (lm) 714

Power Date# 1

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IsoCandela (Type C)



	1 ~ 24
	24 ~ 47
	47 ~ 70
	70 ~ 93
	93 ~ 116

	116 ~ 139
	139 ~ 162
	162 ~ 186
	186 ~ 209
	209 ~ 232

Luminaire

Lamp

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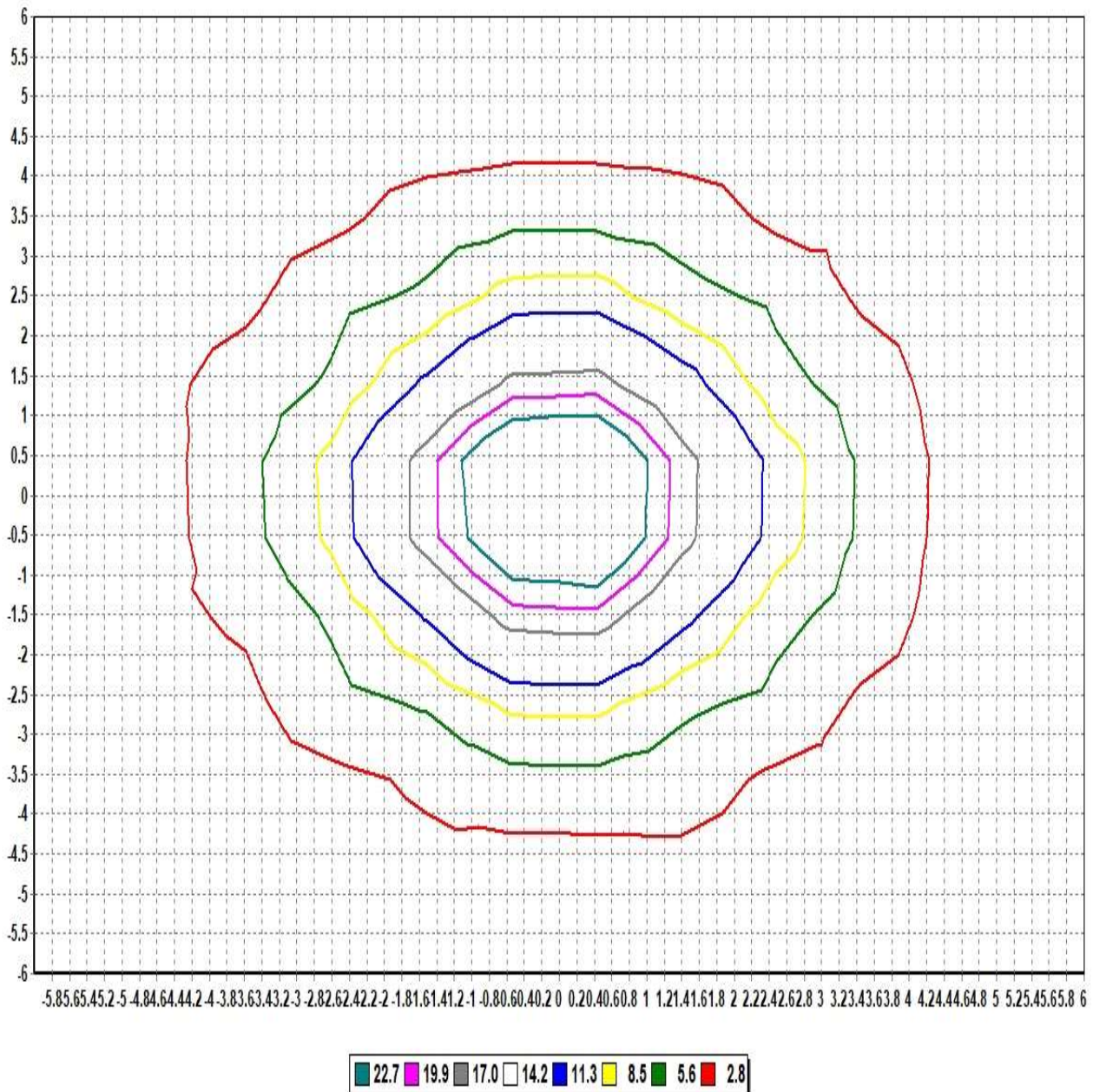
CGR

Total flux (lm) 714

Power Date# 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

191226

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Lamp flux (lm) 714

CurrentOperator 0.452

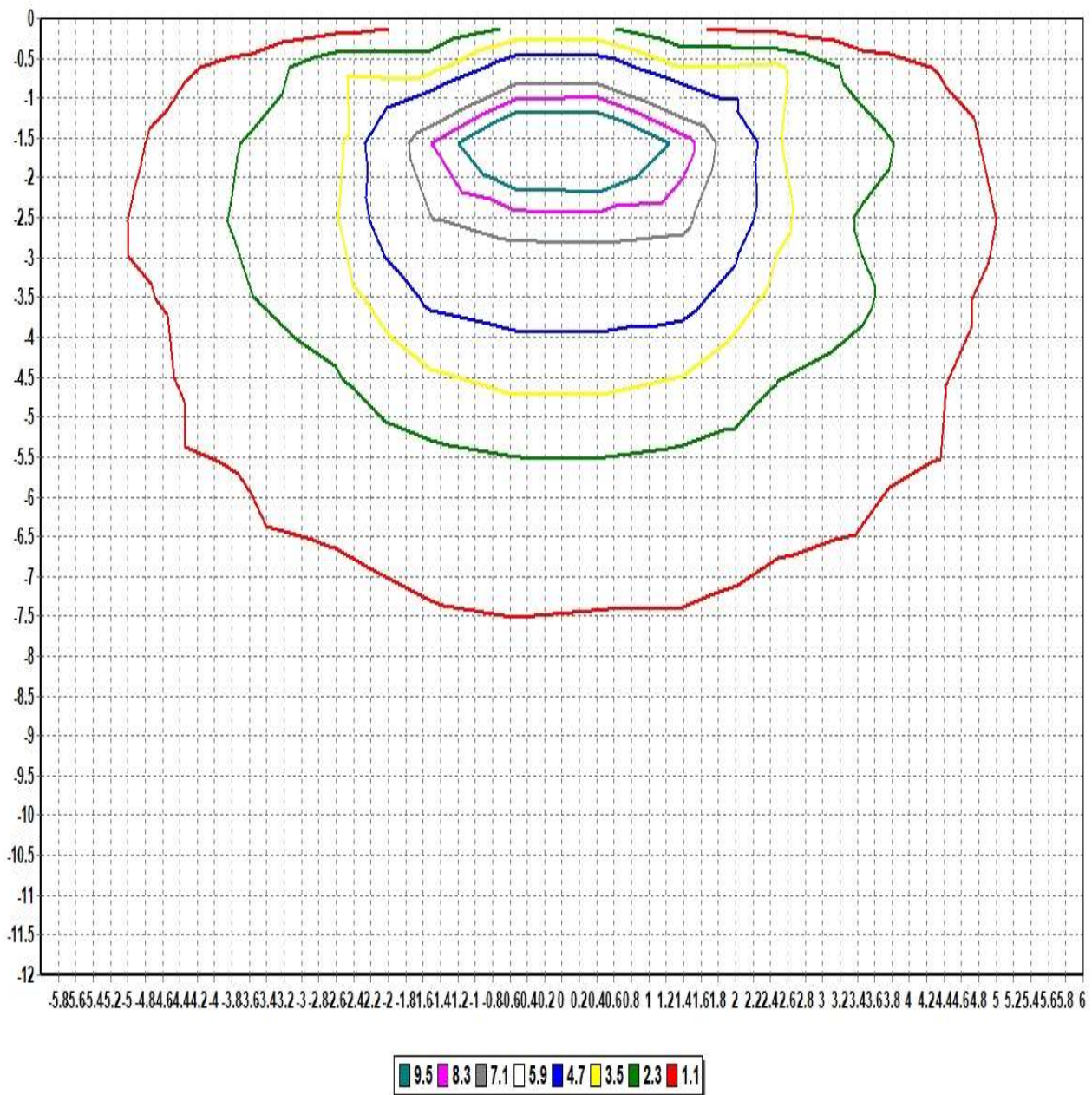
CGR

Total flux (lm) 714

Power Date# 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)	714	Current (A)	0.452
Total flux (lm)	714	Power Factor	1

Report

191226

Filename 191226 NDP11 30K-24V-C90 SF1903 VER 3.2e 28LM9.jdt

Operator

CGR

Date

2019-12-26 오전 9:45:16

Illuminance Levels (Ground)

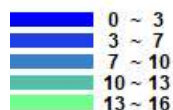
6.00	0.35	0.46	0.37	0.50	0.61	0.71	0.72	0.70	0.65	0.53	0.39	0.48	0.37
5.00	0.48	0.40	0.58	0.80	1.54	1.82	1.91	1.81	1.58	0.84	0.61	0.46	0.50
4.00	0.40	0.62	1.32	1.91	2.00	2.54	2.73	2.53	2.06	1.95	1.37	0.65	0.43
3.00	0.51	0.86	1.95	2.32	4.61	5.19	5.81	5.28	4.66	2.44	2.00	0.91	0.54
2.00	0.63	1.55	2.01	4.69	6.66	10.54	12.42	10.69	6.85	4.78	2.07	1.59	0.67
1.00	0.79	1.91	2.68	5.23	10.56	18.82	25.41	19.05	10.72	5.33	2.73	1.93	0.82
0.00	0.86	2.06	3.00	6.20	12.98	25.70	31.67	25.63	12.81	6.06	2.92	2.00	0.83
-1.00	0.77	1.88	2.67	5.49	10.94	19.34	25.76	19.29	10.98	5.46	2.73	1.91	0.80
-2.00	0.71	1.65	2.18	4.87	7.02	10.93	12.89	10.96	6.95	4.89	2.14	1.63	0.70
-3.00	0.58	0.94	2.05	2.54	4.82	5.45	6.10	5.42	4.82	2.48	2.05	0.95	0.56
-4.00	0.45	0.69	1.42	2.02	2.17	2.69	2.92	2.69	2.13	2.02	1.40	0.68	0.46
-5.00	0.52	0.49	0.66	0.90	1.64	1.90	2.01	1.90	1.62	0.89	0.65	0.46	0.52
-6.00	0.39	0.51	0.43	0.58	0.70	0.77	0.80	0.77	0.68	0.56	0.42	0.50	0.38
-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.) : 31.7

Illum. (Min.) : 0.35

Illum. (Avg.) : 3.78

All illuminance level values are in lux.



Luminaire

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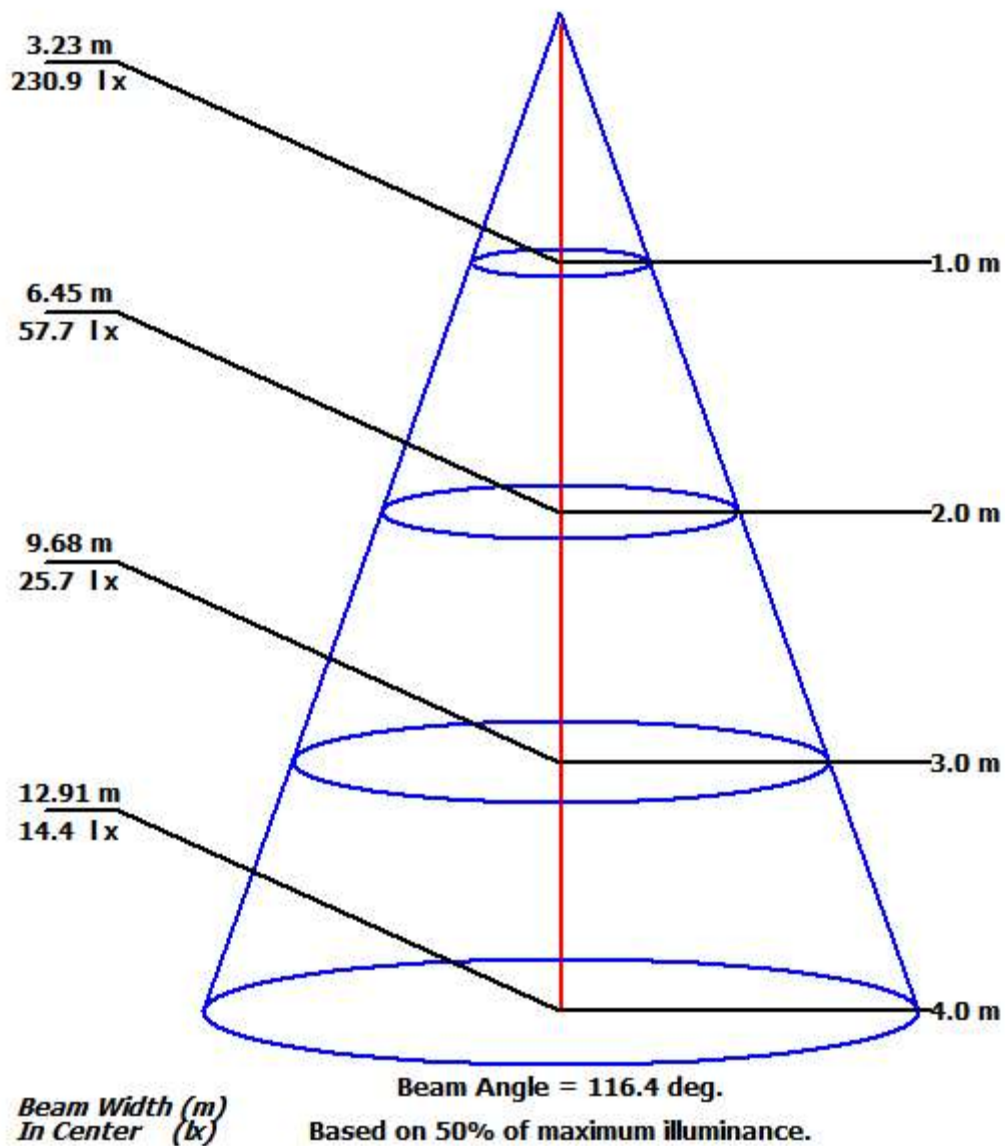
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Power Date#r 1

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Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	714	Current (A)	0.452
Total flux (lm)	714	Power Factor	1

Report

191226

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CGR

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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