

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 : 191223

2. Purpose of Report :

3. Number of Report : 191223

4. Test Standard / Item : / 191223 NDP11 27K-24V-C90 SF1906 VER 3.3e 28LM9

5. Test Period : 191223 ~ 191223

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
191223	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4612 , 0.4076	
Correlated Color Temperature	K	2673	
Ra		92.81	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.447	
Input Watt	W	10.74	
Lamp Flux	lm	702.5	
Efficient	lm/W	65.48	
luminous Intensity (Max , Center)	cd	224 , 224	
Illuminance	lx	224	1 m
		56	2 m
		25	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191223

No. of lamps 1

VoltageFilename 191223 NDP11 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Lamp flux (lm) 703

CurrentOperator 0.447

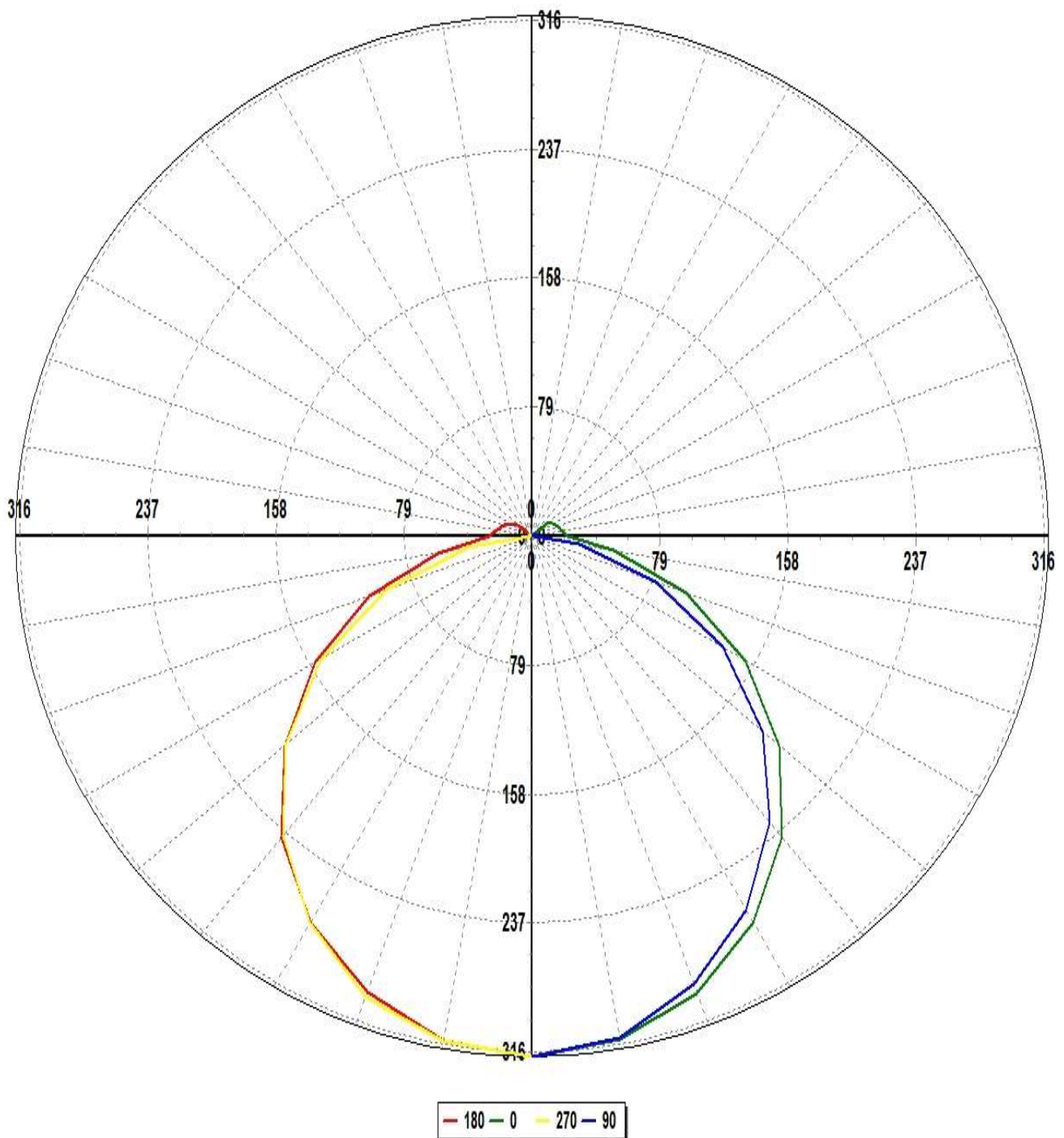
CGR

Total flux (lm) 703

Power Date# 1

2019-12-23 오후 5:15:57

Luminous Intensity Distribution



Luminaire

Lamp

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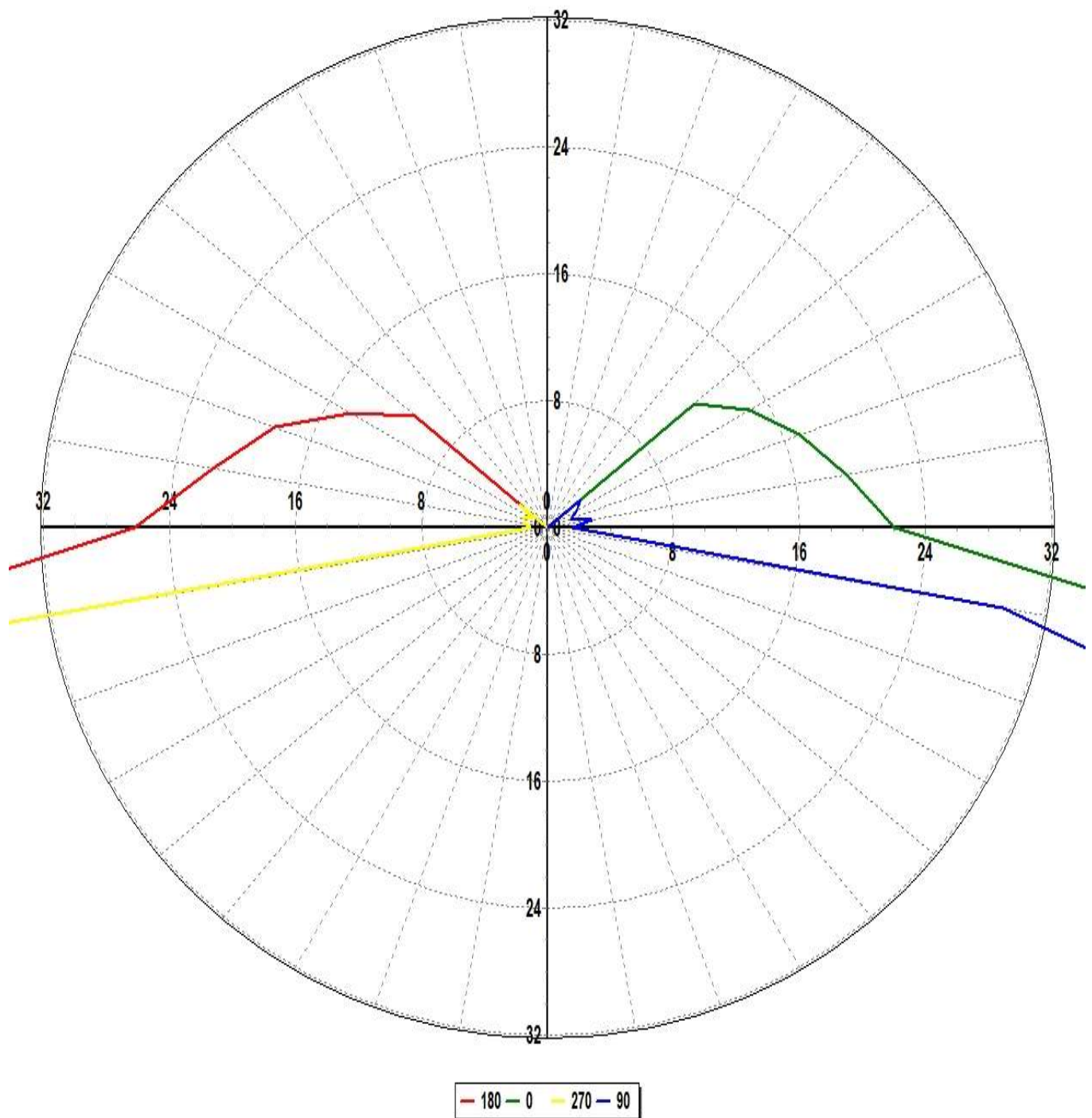
CGR

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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) : 224

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	223.73	224.02	223.97	224.02	223.81	223.79	223.73	224.02	223.97	224.02	223.81
10	219.82	219	219.35	219.28	218.6	218.4	220.65	220	219.69	220.88	220.41
20	209.21	207.98	206.89	205.51	205.78	207.04	209.01	210.51	210.15	211.17	209.95
30	191.84	190.25	188.05	186.09	186.68	188.18	191.76	192.65	192.48	192.43	192.54
40	168.88	166	163.95	160.71	161.86	164.61	169.37	169.55	168.5	168.04	169.86
50	140	137.37	135.04	130.63	133.48	135.85	140.23	142.48	140.2	139.4	140.62
60	106.68	103.42	99.82	95.36	98.8	103.08	108.72	111.29	106.76	105.38	107.9
70	71.23	66.78	62.64	57.28	62.26	67.57	75.13	75.66	69.29	67.12	69.5
80	36.01	32.69	26.17	20.64	26.4	33.82	41.33	40.42	32.98	28.13	32.95
90	15.5	12.51	7.23	1.13	8.33	14.49	18.42	15.49	8.03	0.75	8.08
100	13.58	10.91	6.01	2.02	7.72	12.94	15.19	12.04	6.74	1.06	5.52
110	11.99	10.38	3.97	1.09	5.49	10.79	12.94	10.18	4.38	1.13	6.53
120	10.4	5.06	1.83	1.48	1.45	6.14	10.09	7.91	1.74	0.81	0.25
130	8.58	1.56	3.51	1.96	4.41	1.36	7.73	5.37	3.19	1.62	3



Luminaire

Lamp

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Total flux (lm) 703

Power Date#r 1

2019-12-23 오후 5:15:57

Luminous Intensity Data (Continued)

Maximum (cd) : 224

Minimum (cd) : 0

G/C	330	360
0	223.79	223.73
10	221.44	219.82
20	211.18	209.21
30	194.71	191.84
40	170.94	168.88
50	143.85	140
60	111.61	106.68
70	75.52	71.23
80	38.42	36.01
90	14.34	15.5
100	11.59	13.58
110	10.34	11.99
120	7.57	10.4
130	3.3	8.58

Luminaire

Lamp		Report	191223
No. of lamps	1	VoltageFilename	191223 NDP11 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt
Lamp flux (lm)	703	CurrentOperator	0.447 CGR
Total flux (lm)	703	Power Date	1 2019-12-23 오후 5:15:57

Luminous Flux Table

Total Lamp Lumens:	703
Luminaire Efficiency (lm/W):	702.51
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.35	5.35	0.76	0.76
10	41.80	47.15	6.71	6.71
20	78.18	125.33	17.84	17.84
30	104.40	229.73	32.70	32.70
40	117.47	347.19	49.42	49.42
50	116.00	463.20	65.94	65.93
60	99.50	562.70	80.10	80.10
70	70.33	633.02	90.11	90.11
80	35.05	668.07	95.10	95.10
90	11.34	679.42	96.71	96.71
100	9.47	688.88	98.06	98.06
110	7.65	696.53	99.15	99.15
120	4.33	700.86	99.77	99.76
130	1.65	702.51	100.00	100.00

Luminaire

Lamp

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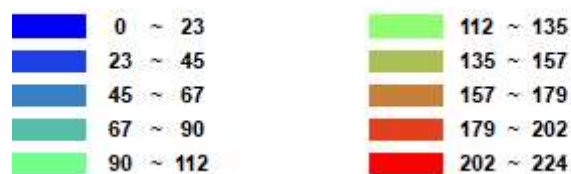
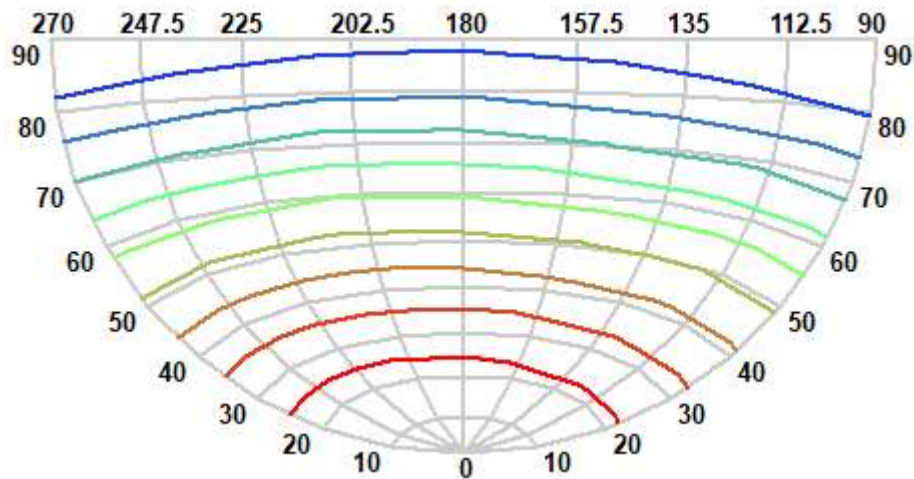
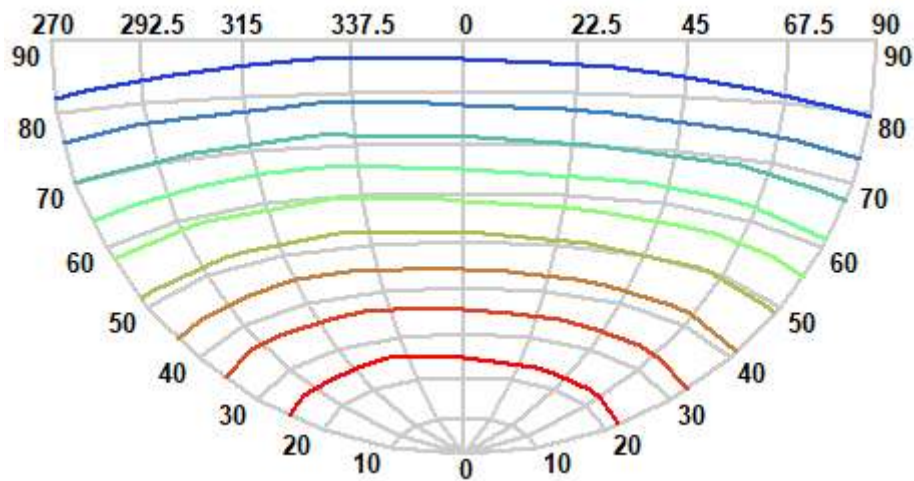
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Power Date# 1

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IsoCandela (Type C)



Luminaire

Lamp

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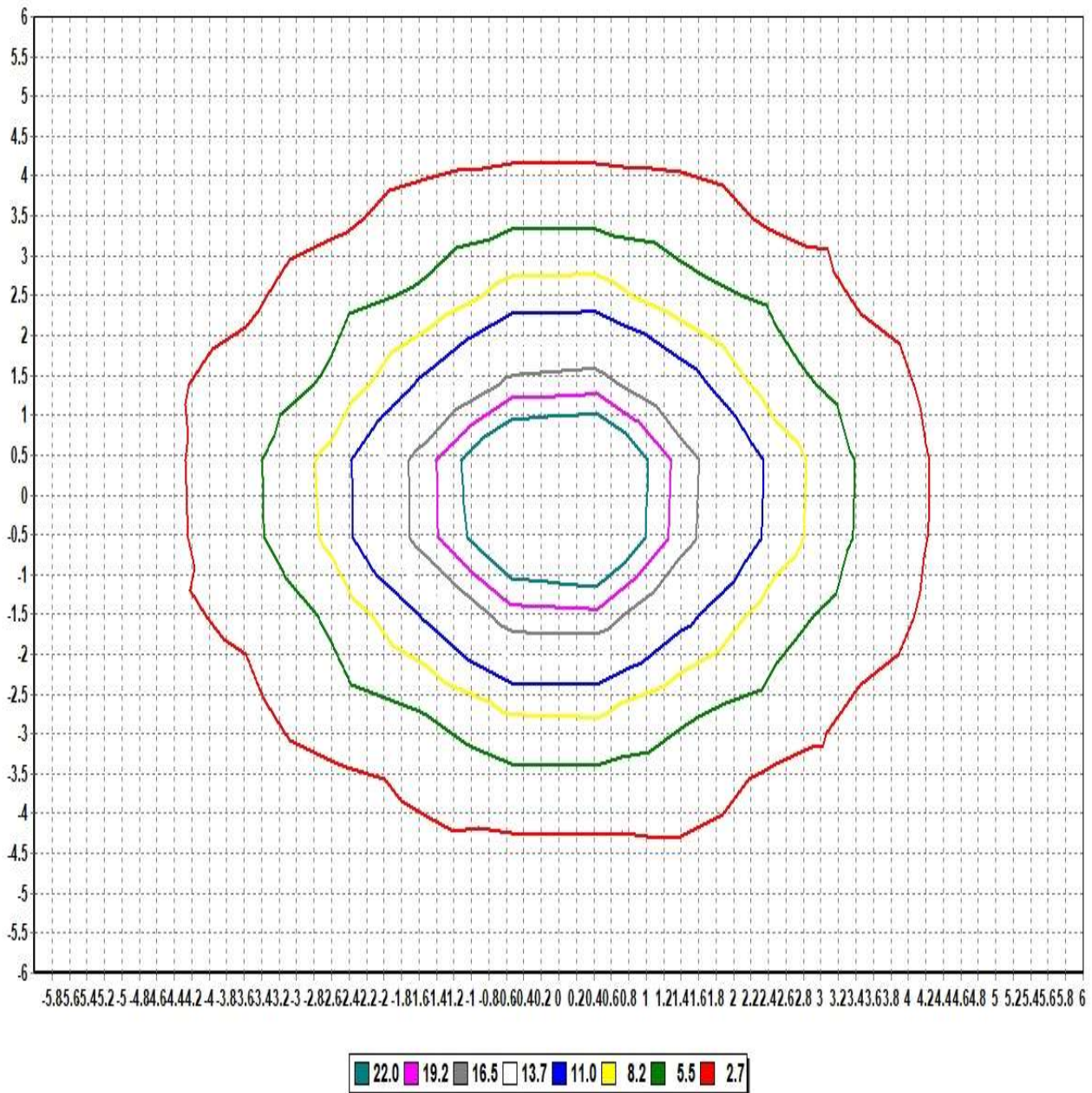
CGR

Total flux (lm) 703

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

191223

No. of lamps 1

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Lamp flux (lm) 703

CurrentOperator 0.447

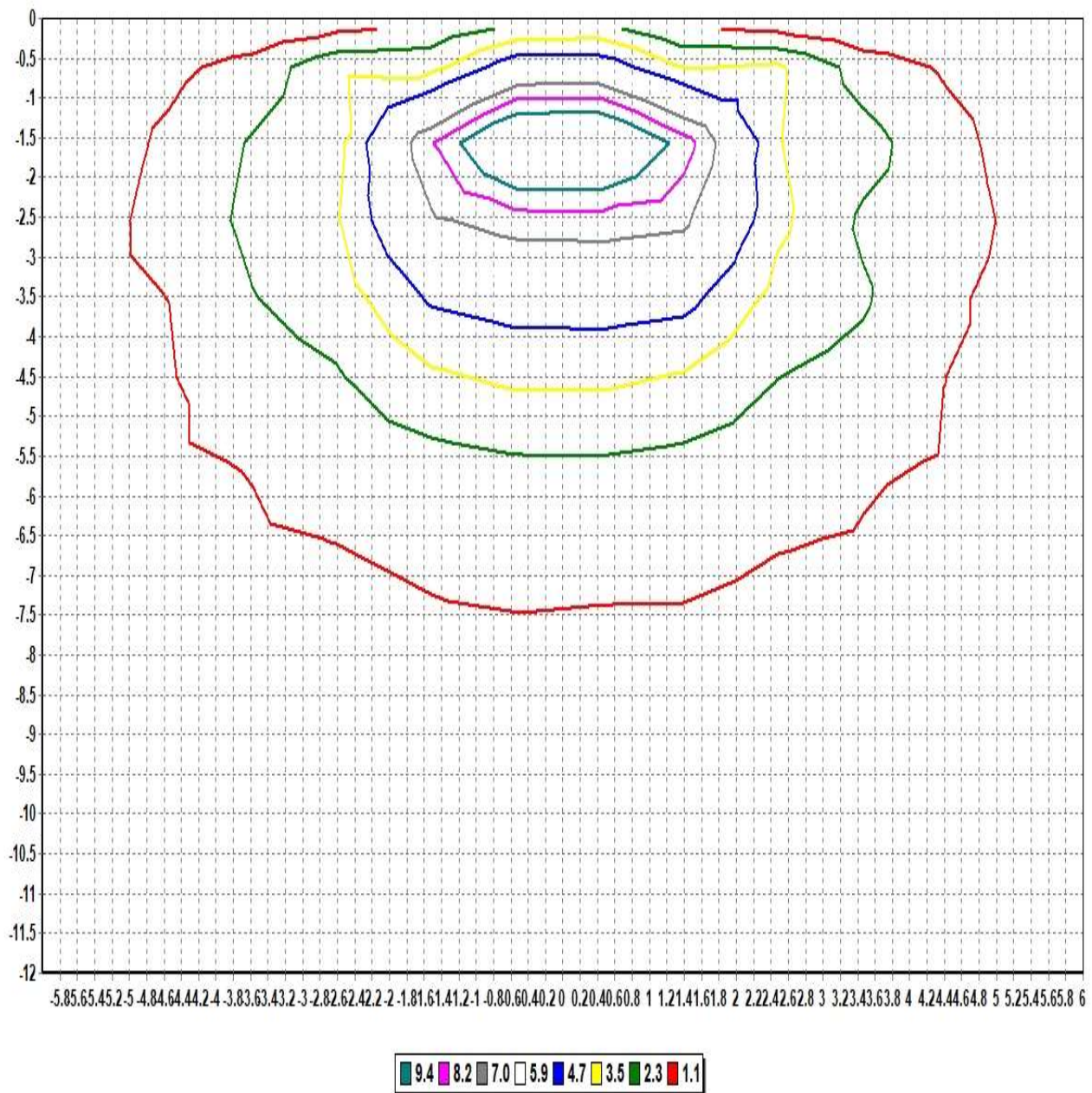
CGR

Total flux (lm) 703

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)	703	Current (A)	0.447
Total flux (lm)	703	Power Factor	1

Report

191223

Filename 191223 NDP11 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

6.00	0.34	0.44	0.35	0.49	0.60	0.69	0.70	0.68	0.64	0.52	0.39	0.47	0.37
5.00	0.47	0.39	0.56	0.77	1.49	1.77	1.84	1.76	1.55	0.82	0.60	0.45	0.49
4.00	0.41	0.61	1.28	1.85	1.94	2.46	2.63	2.45	2.02	1.91	1.36	0.65	0.43
3.00	0.50	0.86	1.91	2.24	4.47	5.03	5.61	5.18	4.58	2.41	1.97	0.90	0.53
2.00	0.63	1.51	1.95	4.58	6.45	10.19	12.07	10.44	6.74	4.71	2.04	1.56	0.66
1.00	0.79	1.85	2.63	5.10	10.22	18.21	24.75	18.61	10.48	5.25	2.70	1.91	0.81
0.00	0.85	1.99	2.92	6.00	12.61	24.92	30.69	24.83	12.59	5.98	2.88	1.98	0.82
-1.00	0.77	1.84	2.62	5.37	10.68	18.72	24.95	18.76	10.70	5.38	2.70	1.89	0.79
-2.00	0.72	1.62	2.17	4.73	6.85	10.67	12.56	10.68	6.80	4.79	2.12	1.61	0.69
-3.00	0.59	0.93	2.00	2.50	4.72	5.37	5.96	5.32	4.70	2.44	2.03	0.94	0.55
-4.00	0.46	0.68	1.40	1.99	2.16	2.64	2.86	2.64	2.11	1.97	1.37	0.68	0.45
-5.00	0.51	0.49	0.66	0.89	1.62	1.86	1.97	1.87	1.59	0.87	0.63	0.45	0.51
-6.00	0.39	0.50	0.43	0.58	0.70	0.76	0.79	0.76	0.67	0.55	0.41	0.49	0.37
-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.) : 30.7

Illum. (Min.) : 0.34

Illum. (Avg.) : 3.69

All illuminance level values are in lux.



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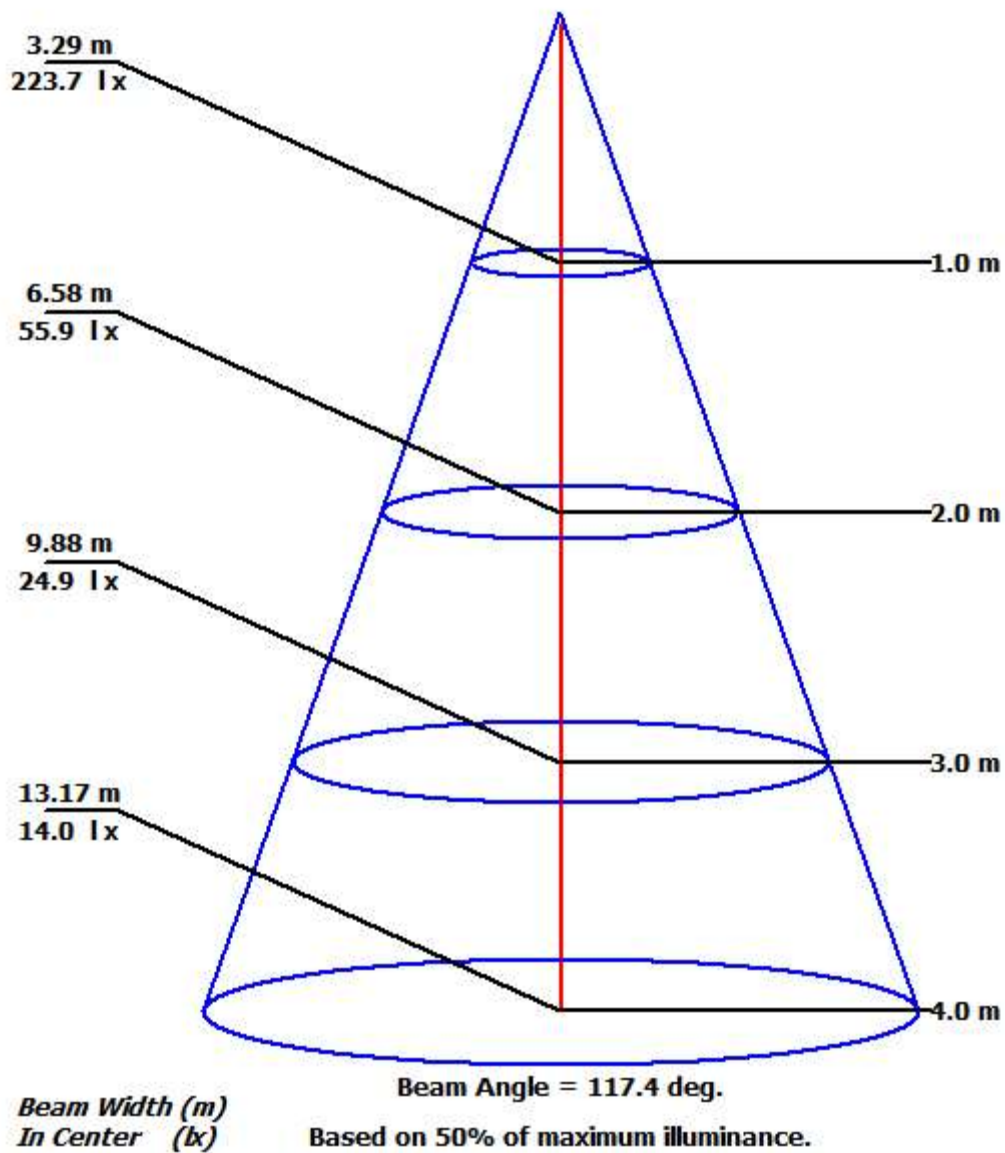
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Power Date/r 1

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Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	703	Current (A)	0.447
Total flux (lm)	703	Power Factor	1

Report

191223

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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