

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 35K-24V-C90 SF1804 VER 3.1e 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		0.4111 , 0.3861	
Correlated Color Temperature	K	3354	
Ra		94.16	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.445	
Input Watt	W	10.68	
Lamp Flux	lm	728.1	
Efficient	lm/W	68.17	
luminous Intensity (Max , Center)	cd	232 , 232	
Illuminance	lx	232	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 35K-24V-C90 SF1804 VER 3.1e 28LM9.jdt

Lamp flux (lm) 728

CurrentOperator 0.445

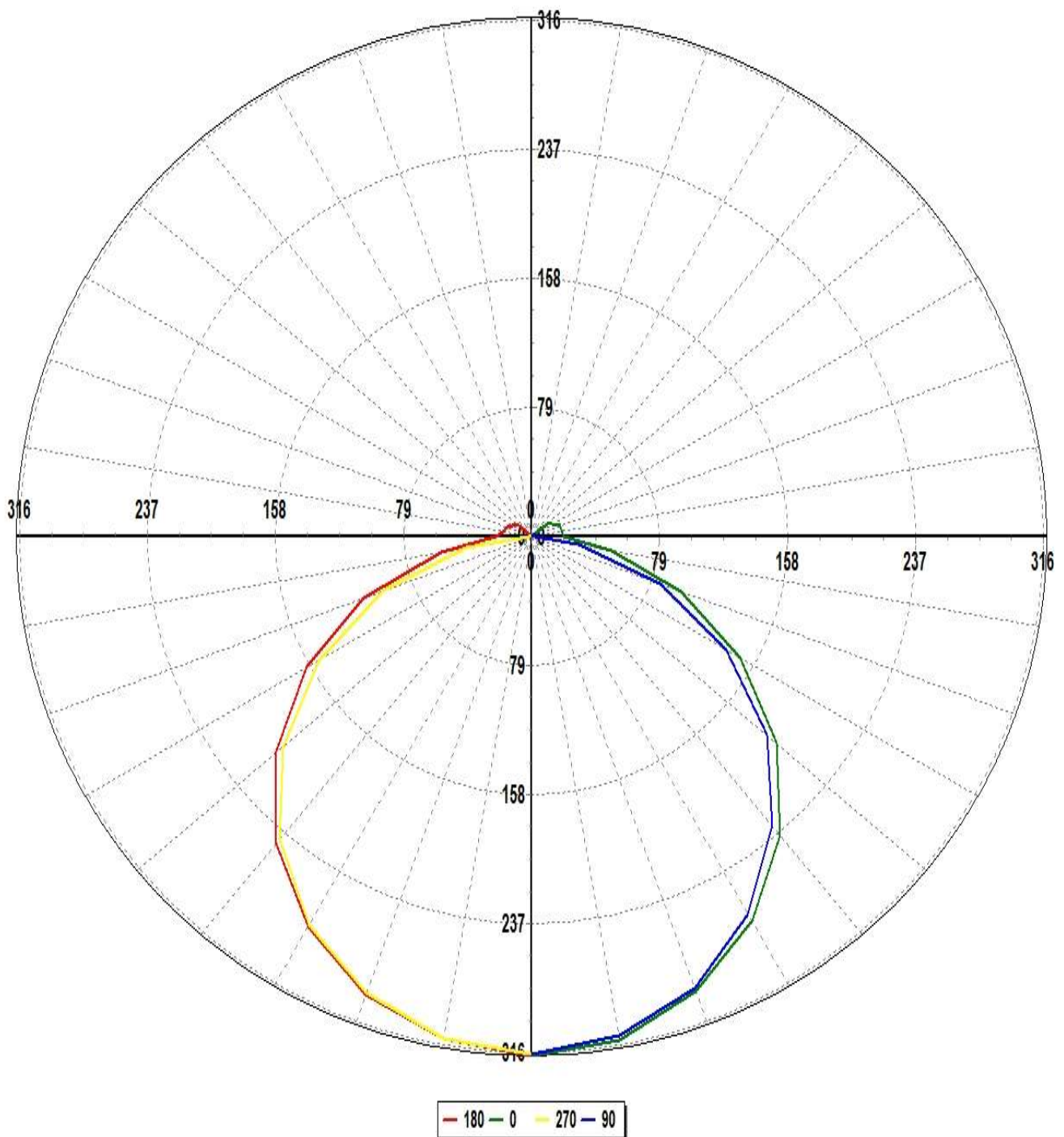
CGR

Total flux (lm) 728

Power Date 1

2019-12-26 오전 10:22:35

Luminous Intensity Distribution



Luminaire

Lamp

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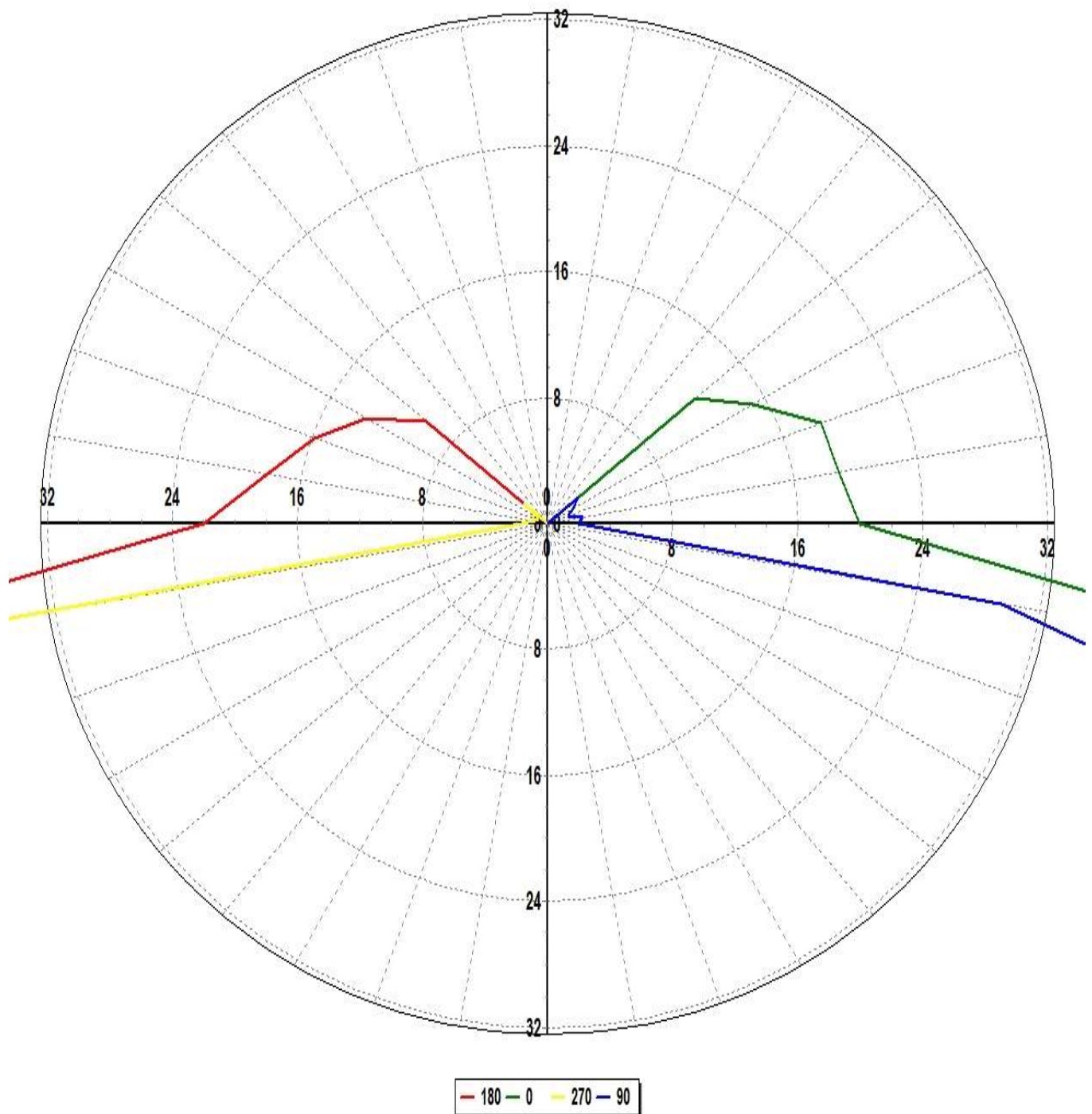
CGR

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Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

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Luminous Intensity Data

Maximum (cd) : 232

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	231.61	231.15	231.09	230.67	231.62	230.99	231.61	231.15	231.09	230.67	231.62
10	227.91	226.97	227.22	226.08	226.28	226.12	227.19	227.06	227.75	227.58	227.37
20	215.56	215.26	214.93	214.62	213.43	215.04	217.61	219.23	216.92	216.77	217.85
30	198.12	196.57	195.21	194.79	195.17	196.48	201.01	201.16	200.31	200.3	200.4
40	173.93	171.69	170.76	168.43	170.77	172.74	178.66	178	176.42	176.36	176.11
50	143.58	140.65	140.71	138.03	142.18	143.61	150.56	149.88	147.48	145.79	145.85
60	108.17	105.47	104.42	100.97	105.66	108.35	116.62	116.8	112.45	110.35	110.26
70	71.42	68.08	64.2	61.46	66.93	71.32	80.01	79.1	74.55	70.45	71.78
80	36.35	31.54	26.56	21.45	27.2	33.36	41.07	40.07	34.56	29.73	33.22
90	14.54	11.91	7.09	1.44	6.75	12.98	16.02	13.36	7.03	1.21	7.11
100	13.78	11.8	6.86	1.64	6.23	10.64	13.27	9.74	5.61	0.62	6.57
110	13.57	11.22	4.63	1.03	5.04	10.13	11.56	10.12	4.44	0.5	5.99
120	11.04	6.64	1.29	1.39	2.07	5.82	9.76	7.17	1.59	0.5	1.26
130	9	2.37	4.22	1.85	3.97	1.09	7.38	6.48	3.66	1.46	2.99



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Luminous Intensity Data (Continued)

Maximum (cd) : 232

Minimum (cd) : 1

G/C	330	360
0	230.99	231.61
10	228.94	227.91
20	217.94	215.56
30	201.02	198.12
40	177.88	173.93
50	147.42	143.58
60	114.04	108.17
70	75.62	71.42
80	38.77	36.35
90	13.11	14.54
100	11.55	13.78
110	11.22	13.57
120	8.94	11.04
130	4.26	9





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Luminous Flux Table

Total Lamp Lumens: 728

Luminaire Efficiency (lm/W): 728.09

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	5.53	5.53	0.76	0.76
10	43.21	48.74	6.69	6.69
20	81.01	129.75	17.82	17.82
30	108.64	238.38	32.74	32.74
40	122.72	361.10	49.59	49.60
50	121.35	482.46	66.26	66.26
60	103.83	586.28	80.52	80.52
70	73.32	659.60	90.59	90.59
80	35.40	695.01	95.45	95.46
90	10.27	705.28	96.87	96.87
100	8.84	714.11	98.08	98.08
110	7.67	721.78	99.13	99.13
120	4.54	726.33	99.76	99.76
130	1.77	728.09	100.00	100.00



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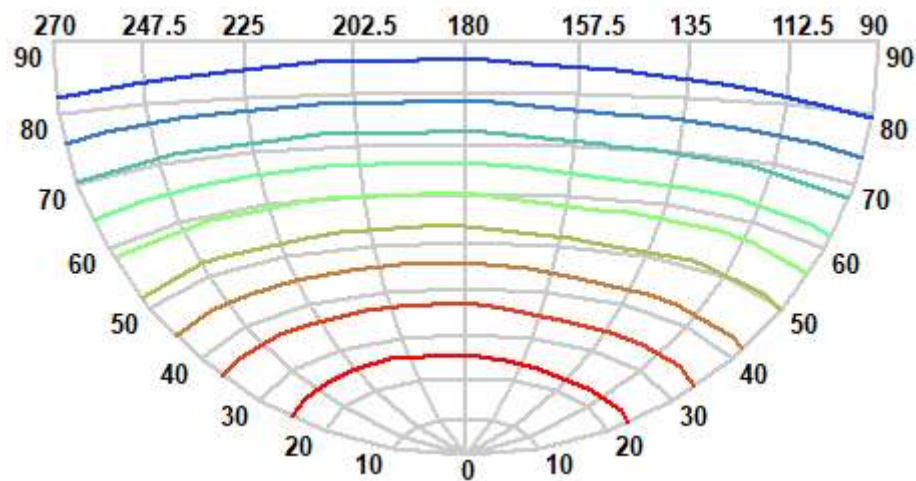
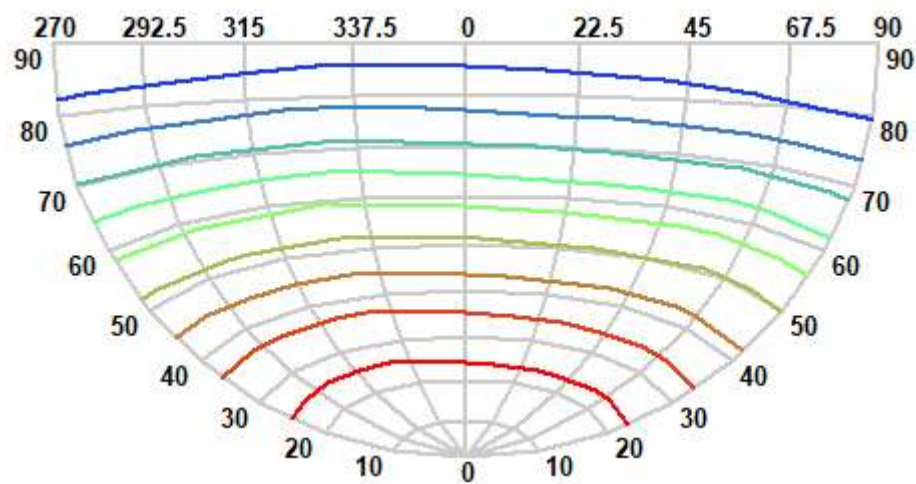
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Power Date# 1

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IsoCandela (Type C)



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

116 ~ 139
139 ~ 162
162 ~ 185
185 ~ 209
209 ~ 232

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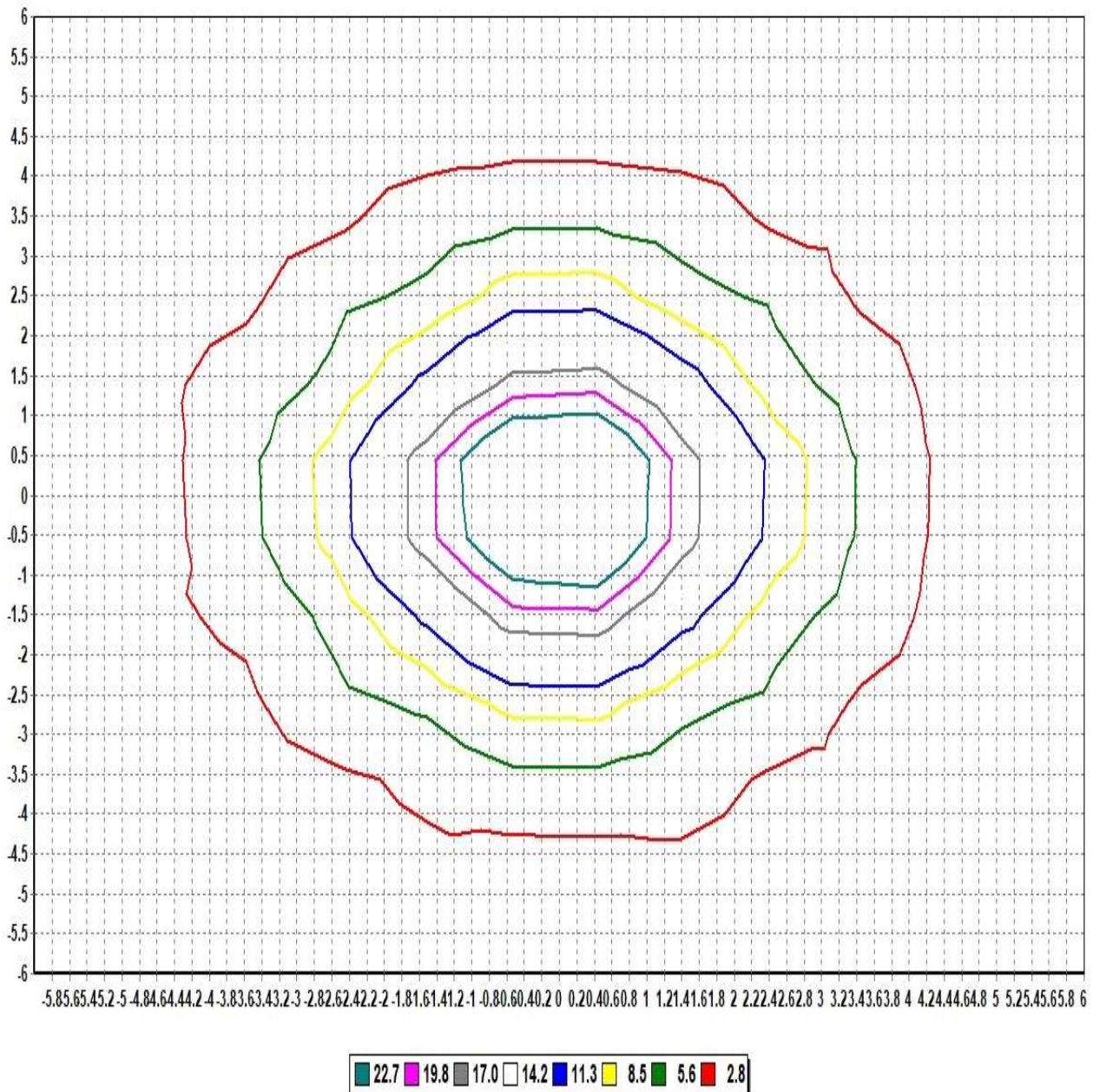
CGR

Total flux (lm) 728

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

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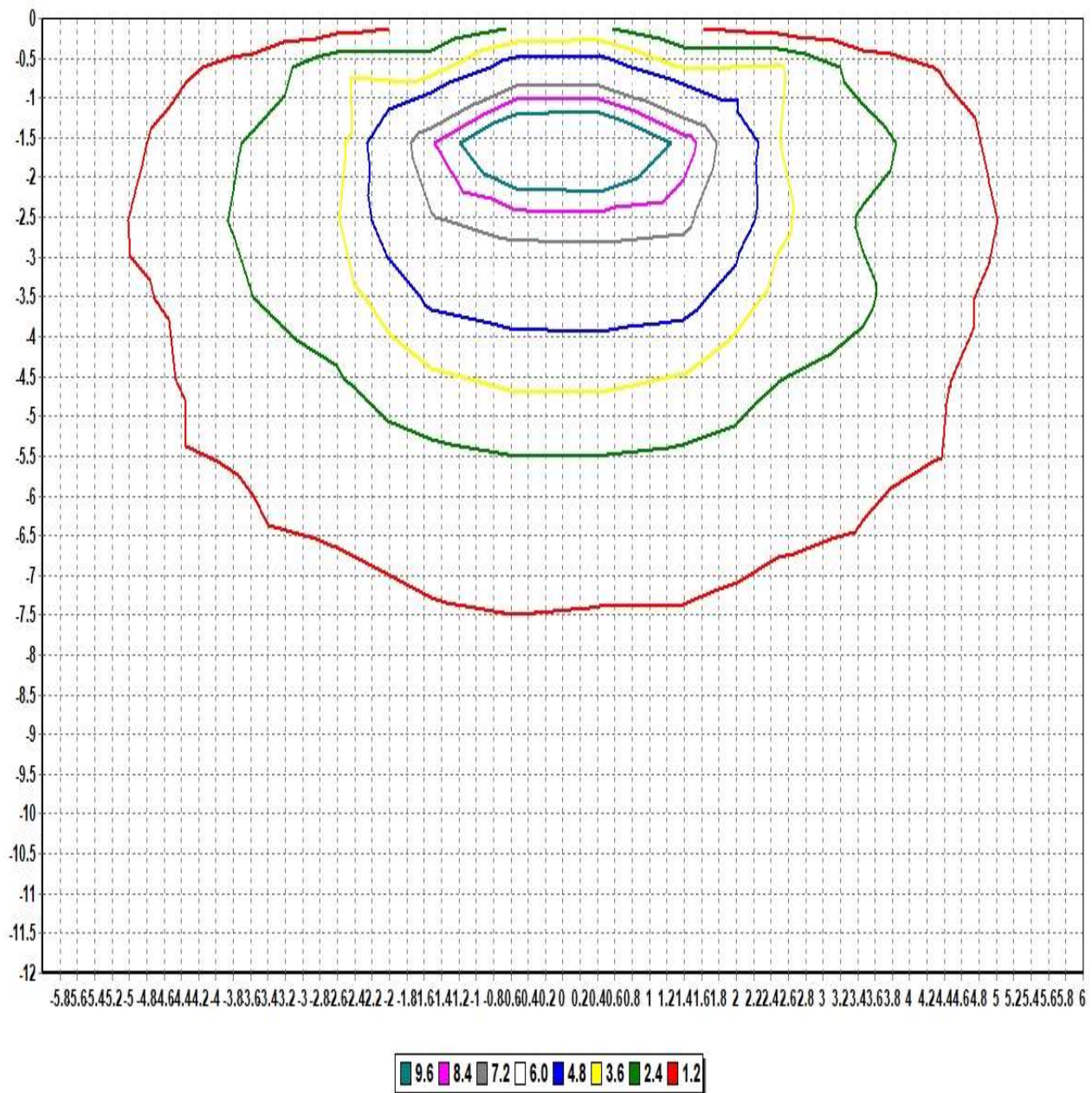
CGR

Total flux (lm) 728

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)	728	Current (A)	0.445
Total flux (lm)	728	Power Factor	1

Report

191226

Filename 191226 NDP11 35K-24V-C90 SF1804 VER 3.1e 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

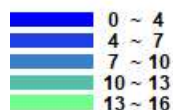
6.00	0.36	0.47	0.38	0.53	0.64	0.72	0.74	0.71	0.65	0.53	0.39	0.48	0.38
5.00	0.50	0.42	0.60	0.82	1.59	1.86	1.94	1.85	1.59	0.85	0.62	0.46	0.50
4.00	0.43	0.65	1.36	1.96	2.07	2.58	2.78	2.58	2.07	1.98	1.38	0.65	0.43
3.00	0.53	0.91	2.02	2.39	4.70	5.33	5.92	5.34	4.77	2.45	2.02	0.91	0.54
2.00	0.67	1.61	2.08	4.82	6.82	10.74	12.64	10.81	6.93	4.84	2.08	1.60	0.67
1.00	0.84	1.98	2.79	5.41	10.77	19.02	25.53	19.22	10.83	5.38	2.76	1.95	0.82
0.00	0.91	2.13	3.13	6.41	13.27	25.66	31.77	25.74	12.98	6.14	2.94	2.03	0.82
-1.00	0.81	1.95	2.78	5.69	11.21	19.56	25.70	19.49	11.10	5.56	2.75	1.94	0.80
-2.00	0.76	1.71	2.28	5.01	7.25	11.20	13.14	11.09	7.09	4.96	2.17	1.66	0.71
-3.00	0.62	0.99	2.13	2.65	4.95	5.65	6.24	5.53	4.92	2.53	2.08	0.96	0.57
-4.00	0.48	0.73	1.48	2.10	2.27	2.77	2.99	2.77	2.16	2.06	1.42	0.69	0.46
-5.00	0.54	0.52	0.70	0.95	1.70	1.95	2.06	1.96	1.65	0.91	0.66	0.46	0.52
-6.00	0.41	0.53	0.46	0.61	0.74	0.80	0.83	0.81	0.69	0.56	0.43	0.51	0.39
-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.) : 31.8

Illum. (Min.) : 0.36

Illum. (Avg.) : 3.85

All illuminance level values are in lux.



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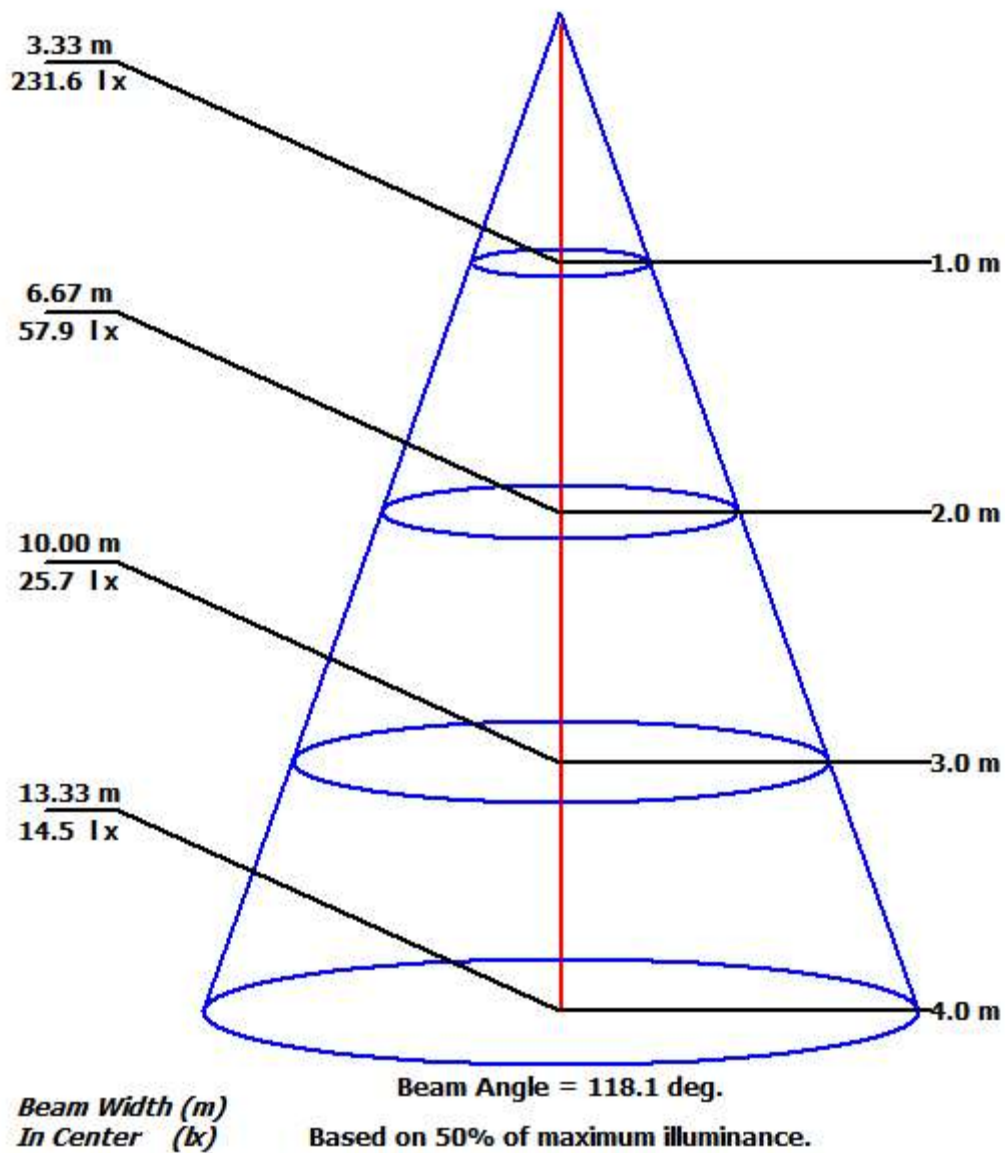
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Illuminance Cone Diagram





Luminaire

Lamp

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Lamp flux (lm)	728	Current (A)	0.445
Total flux (lm)	728	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