

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 : 191213

2. Purpose of Report :

3. Number of Report : 191216

4. Test Standard / Item : / 191216 NDP1 35K-24V-C90 KM1707 VER 2.4 28LM9

5. Test Period : 191213 ~ 191213

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 reporduced, 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
191216	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4097 , 0.3858	
Correlated Color Temperature	K	3381	
Ra		93.84	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.052	
Input Watt	W	1.24	
Lamp Flux	lm	82.8	
Efficient	lm/W	66.35	
luminous Intensity (Max , Center)	cd	28 , 27	
Illuminance	lx	27	1 m
		7	2 m
		3	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191216

No. of lamps 1

Voltage (Filename 191216 NDP1 35K-24V-C90 KM1707 VER 2.4 28LM9.jdt

Lamp flux (lm) 83

Current (Operator 0.052

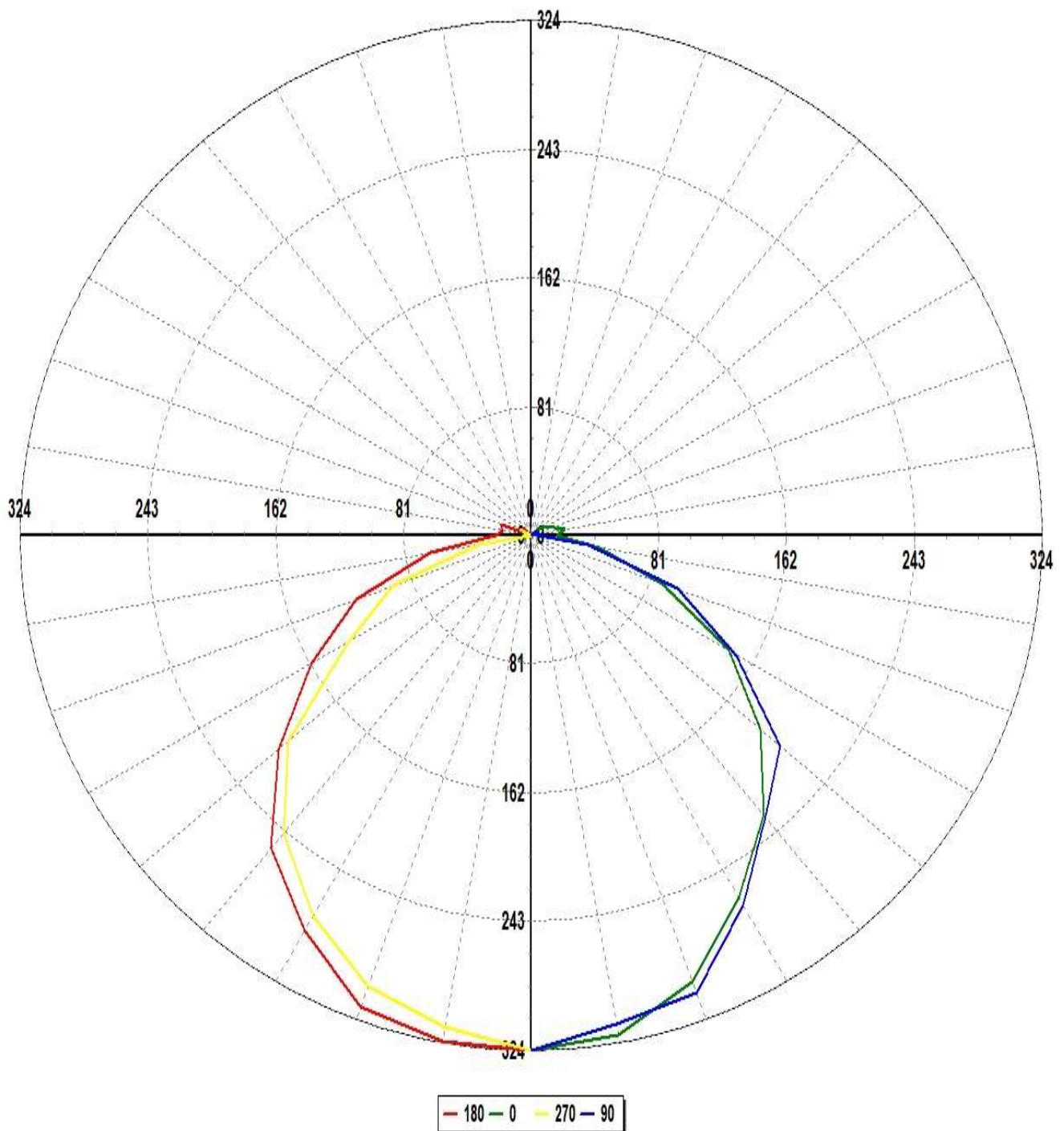
CGR

Total flux (lm) 83

Power FDate 1

2019-12-16 오후 2:43:55

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

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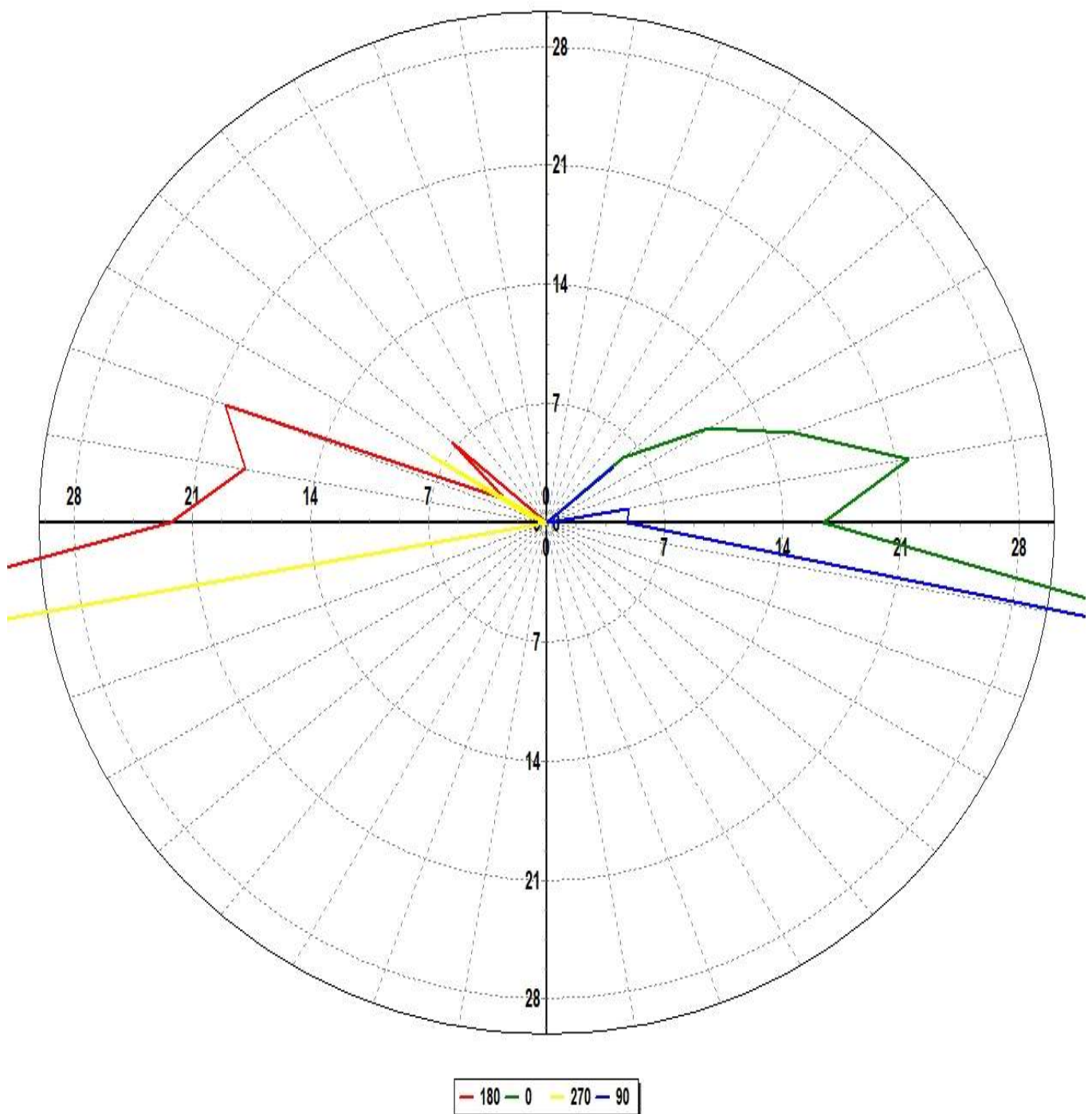
Power FDate 1

191216

CGR

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Luminous Intensity Distribution (Lowest 10%)





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Luminous Intensity Data

Maximum (cd) : 28

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	26.83	26.76	26.34	26.82	27.74	27.08	26.83	26.76	26.34	26.82	27.74	27.08	26.83
10	26.39	26.2	26.27	25.87	26.44	26.7	26.77	27.08	26.85	26.01	26.52	26.4	26.39
20	24.78	25.18	25.52	25.37	24.83	25.69	26.14	25.1	24.87	24.97	24.85	26.07	24.78
30	21.81	22.37	22.31	22.22	23.4	22.89	23.76	22.72	22.6	22.88	22.34	22.29	21.81
40	19.01	19.2	18.59	19.12	19.86	20.71	21.23	20.14	20.68	20.22	20.14	18.83	19.01
50	15.68	15.62	16.45	17.09	16.98	16.78	17.3	17.56	17.02	16.67	15.94	16.08	15.68
60	11.95	11.64	12.45	12.44	13.58	12.36	13.3	13.19	12.03	11.15	11.68	12.49	11.95
70	7.3	7.45	7.64	8.19	8.01	9.14	9.75	9.35	7.65	7.7	7.41	8.48	7.3
80	3.61	3	3.18	3.01	3.42	3.87	5.36	4.81	3.65	2.82	2.62	3.6	3.61
90	1.35	2.32	0.82	0.4	0.9	1.34	1.85	1.49	0.33	-0.12	1.36	1.98	1.35
100	1.8	0.66	0.84	0.41	-0.31	1.65	1.5	0.94	0.72	0	0.24	1.24	1.8
110	1.29	1.72	0.23	-0.32	0.5	1.25	1.68	1.05	0.41	0.09	0.99	0.26	1.29
120	0.91	-0.02	0.2	-0.16	0.27	0.16	0.23	0.76	-0.11	0.66	0.91	0.61	0.91
130	0.49	0.17	0.38	0.43	0.21	0.58	0.61	0.42	0.36	-0.27	0.01	0.45	0.49



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Luminous Flux Table

Total Lamp Lumens: 82.8

Luminaire Efficiency (lm/W): 82.83

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	0.64	0.64	0.78	0.78
10	5.03	5.68	6.86	6.85
20	9.47	15.15	18.29	18.29
30	12.39	27.54	33.26	33.25
40	13.95	41.49	50.11	50.09
50	13.93	55.41	66.93	66.90
60	11.72	67.13	81.08	81.05
70	8.41	75.54	91.24	91.21
80	3.86	79.41	95.90	95.87
90	1.28	80.68	97.44	97.41
100	0.87	81.56	98.50	98.46
110	0.78	82.34	99.44	99.41
120	0.35	82.69	99.87	99.83
130	0.14	82.83	100.03	100.00



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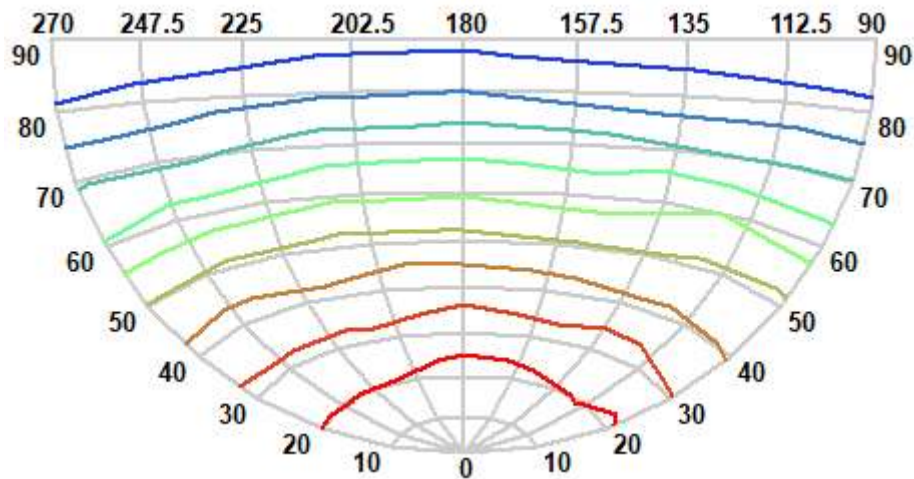
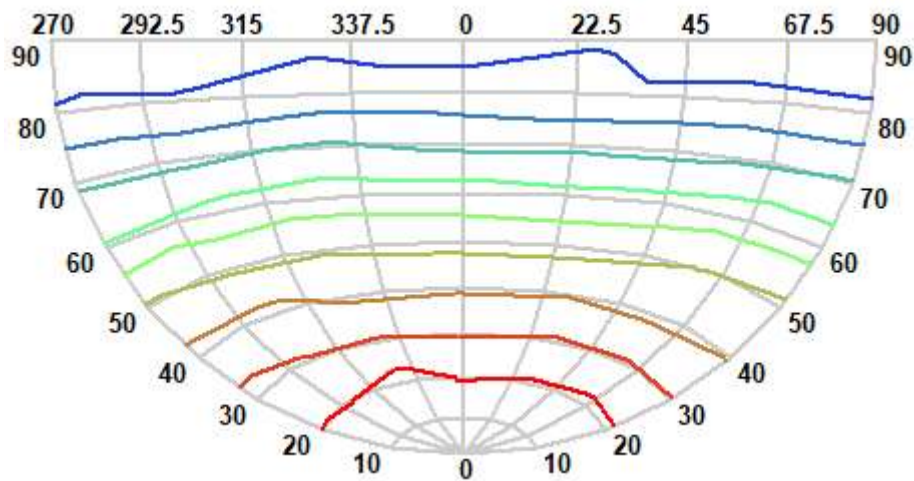
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IsoCandela (Type C)



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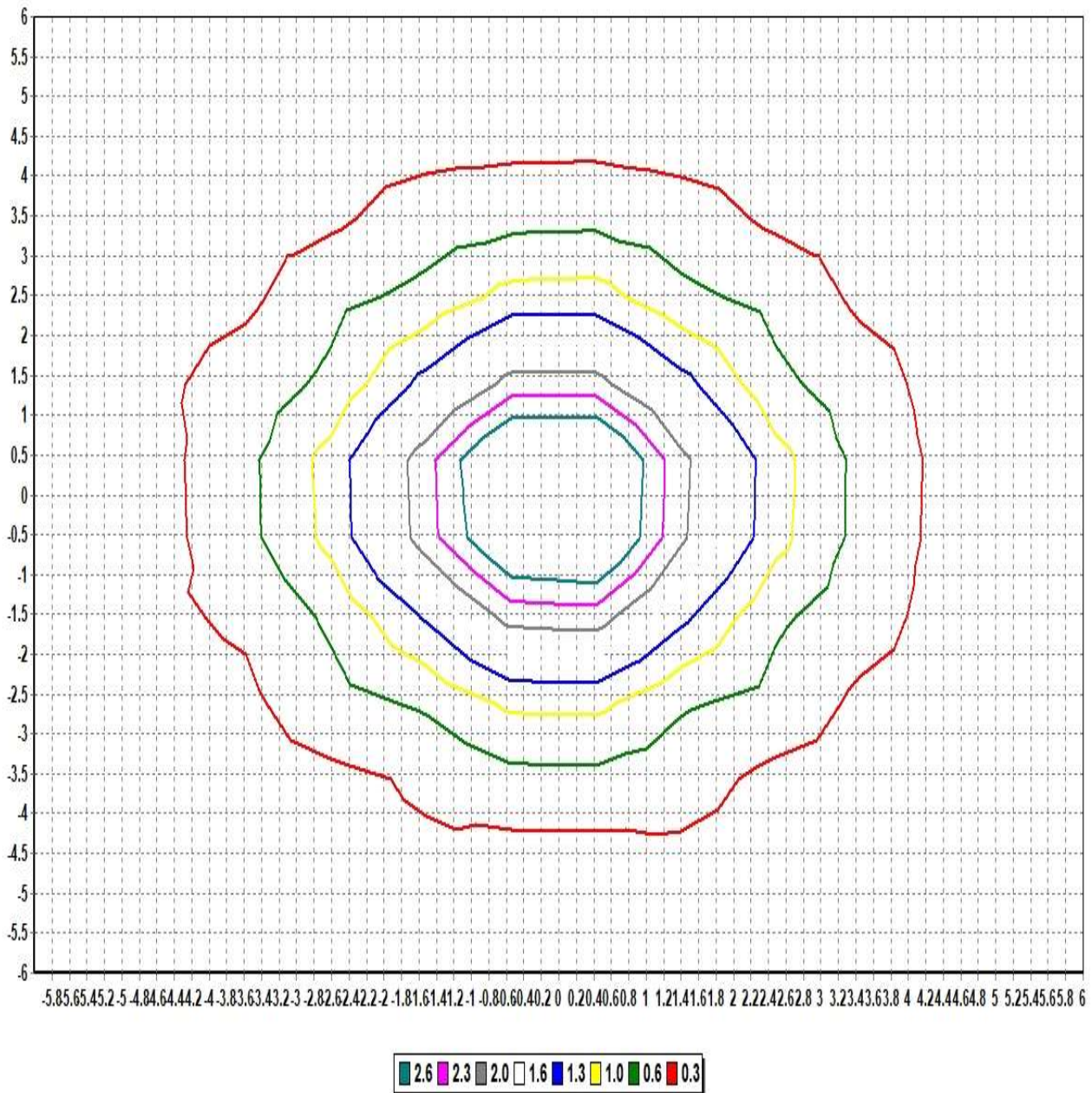
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Power FDate 1

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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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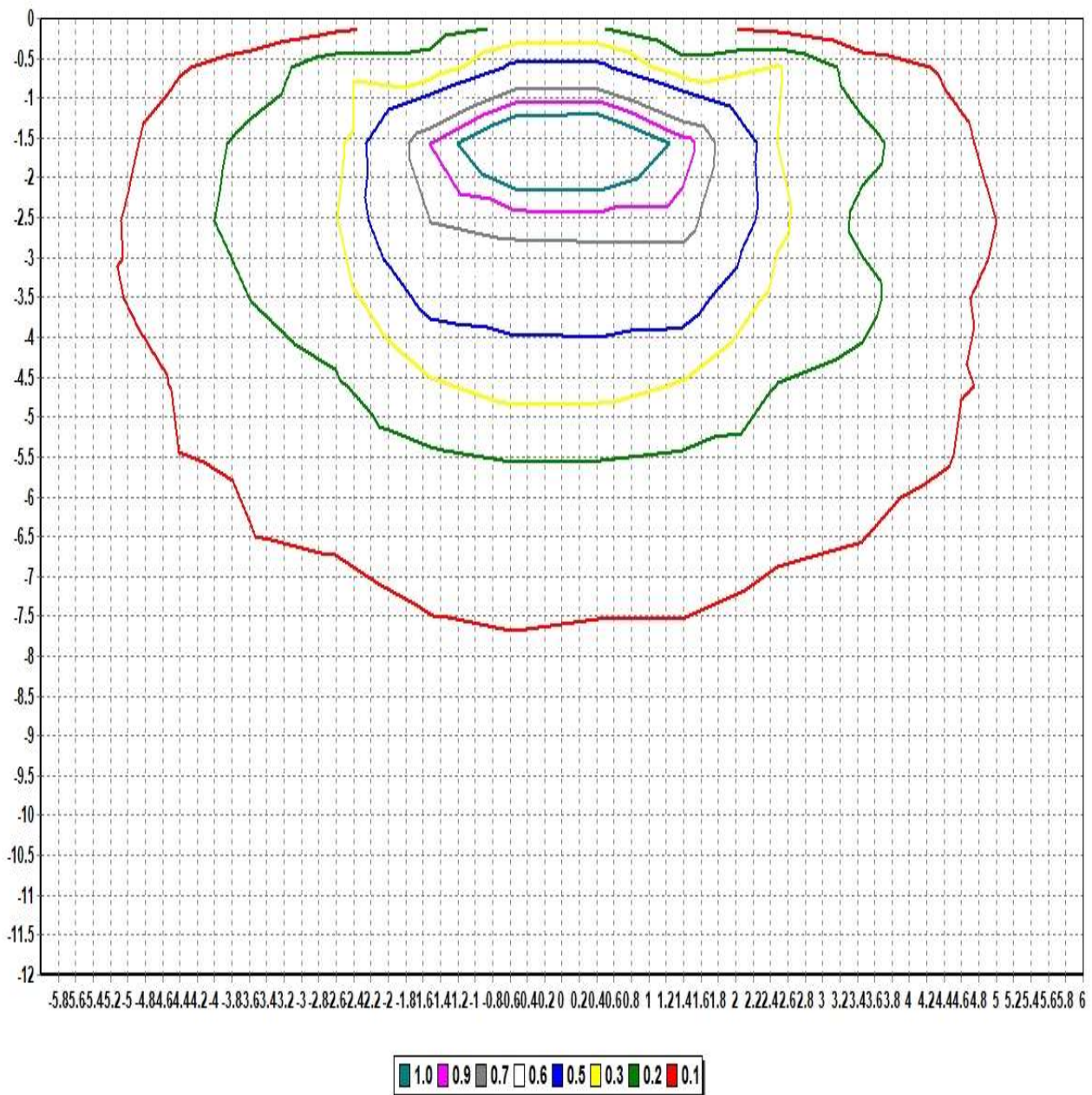
CGR

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Power FDate 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)	83	Current (A)	0.052
Total flux (lm)	83	Power Factor	1

Report

191216

Filename 191216 NDP1 35K-24V-C90 KM1707 VER 2.4 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

6.00	0.05	0.06	0.05	0.06	0.08	0.09	0.09	0.09	0.07	0.06	0.05	0.06	0.04
5.00	0.06	0.05	0.08	0.10	0.19	0.22	0.24	0.22	0.18	0.10	0.07	0.05	0.05
4.00	0.05	0.08	0.17	0.24	0.26	0.31	0.34	0.31	0.23	0.23	0.15	0.07	0.04
3.00	0.07	0.11	0.24	0.30	0.55	0.64	0.72	0.60	0.53	0.27	0.22	0.10	0.06
2.00	0.08	0.19	0.26	0.57	0.81	1.25	1.44	1.21	0.76	0.53	0.23	0.18	0.07
1.00	0.10	0.23	0.32	0.64	1.26	2.23	2.92	2.17	1.21	0.59	0.30	0.21	0.09
0.00	0.11	0.24	0.36	0.74	1.57	3.03	3.68	2.98	1.42	0.67	0.32	0.22	0.09
-1.00	0.10	0.23	0.32	0.66	1.28	2.27	2.94	2.21	1.26	0.61	0.30	0.21	0.09
-2.00	0.09	0.20	0.26	0.59	0.84	1.27	1.51	1.27	0.80	0.53	0.23	0.18	0.08
-3.00	0.07	0.12	0.25	0.30	0.58	0.66	0.71	0.62	0.56	0.27	0.23	0.11	0.06
-4.00	0.06	0.09	0.17	0.24	0.26	0.30	0.32	0.30	0.23	0.23	0.15	0.08	0.05
-5.00	0.06	0.06	0.08	0.10	0.20	0.22	0.23	0.22	0.18	0.10	0.07	0.05	0.06
-6.00	0.05	0.06	0.05	0.07	0.08	0.08	0.09	0.08	0.07	0.06	0.05	0.05	0.04
-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.) : 3.68

Illum. (Min.) : 0.04

Illum. (Avg.) : 0.44

All illuminance level values are in lux.



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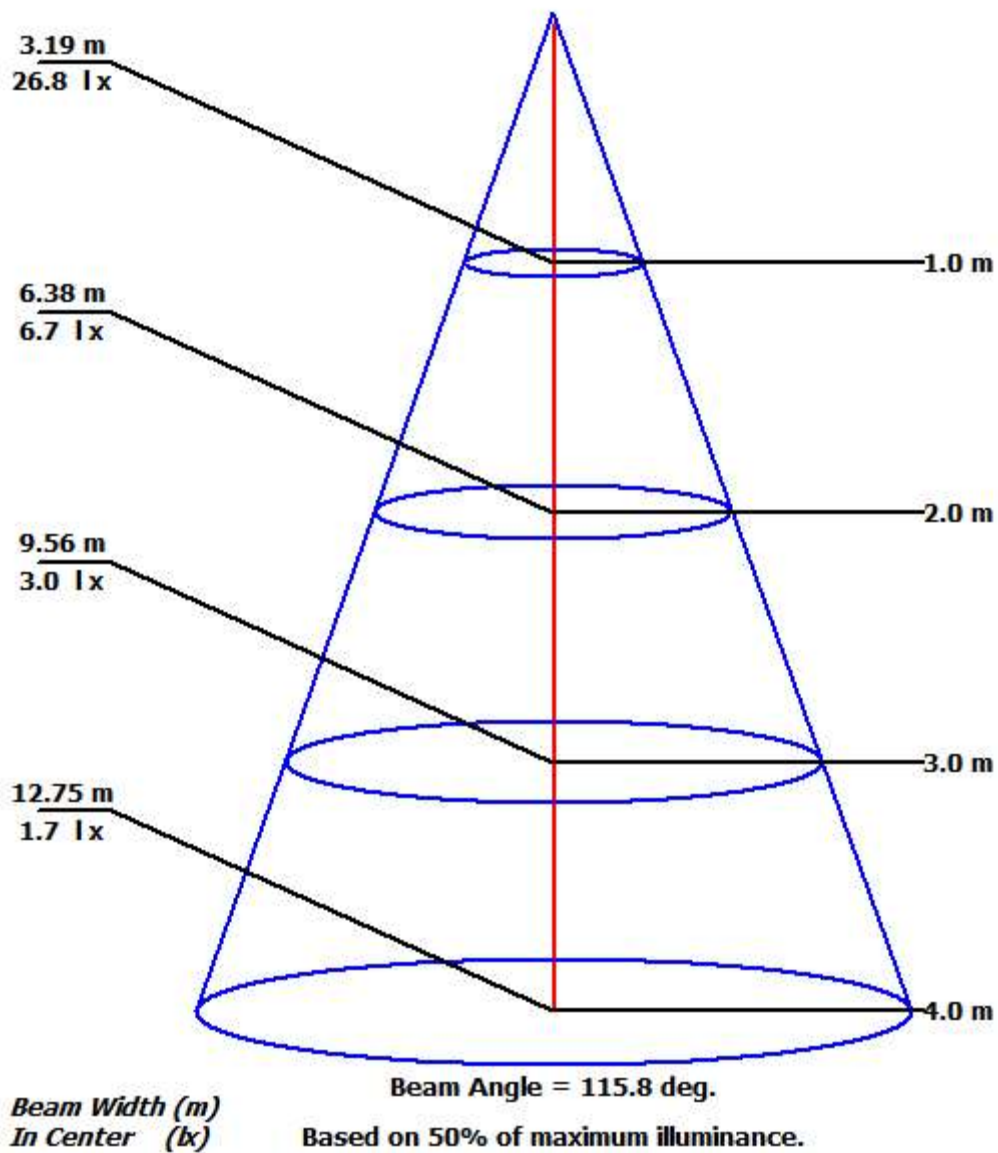
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Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	83	Current (A)	0.052
Total flux (lm)	83	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

