

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 NDP7 30K-24V-C90 SF1910 VER 3.3em 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		0.4127 , 0.3904	
Correlated Color Temperature	K	3356	
Ra		93.89	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.296	
Input Watt	W	7.1	
Lamp Flux	lm	515.2	
Efficient	lm/W	72.52	
luminous Intensity (Max , Center)	cd	167 , 167	
Illuminance	lx	167	1 m
		42	2 m
		19	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

Voltage (Filename 191223 NDP7 35K-24V-C90 KM1706 VER 2.3 28LM9.jdt

Lamp flux (lm) 515

Current (Operator 0.296

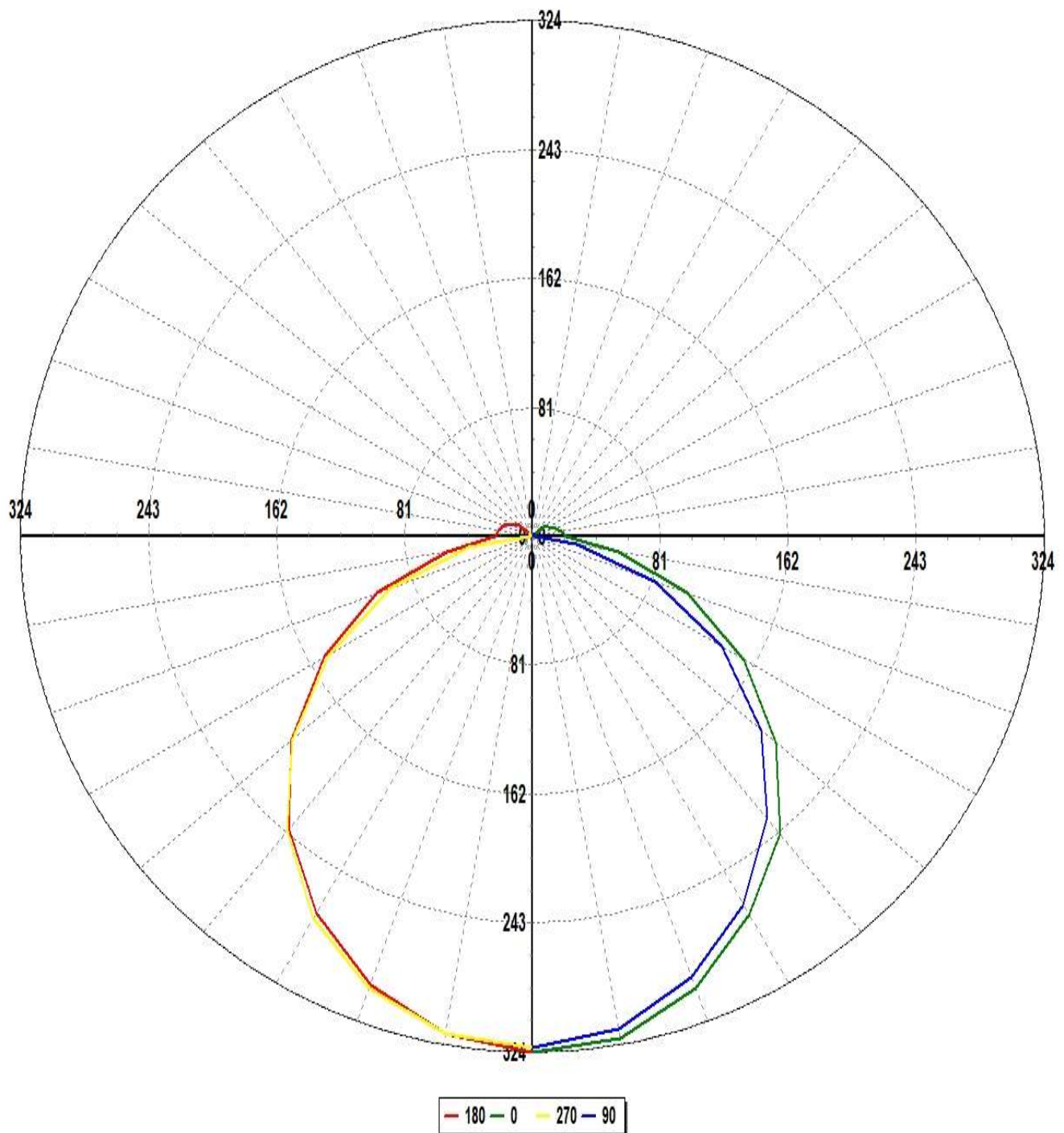
CGR

Total flux (lm) 515

Power Factor Date 1

2019-12-23 오후 4:04:39

Luminous Intensity Distribution



Luminaire

Lamp

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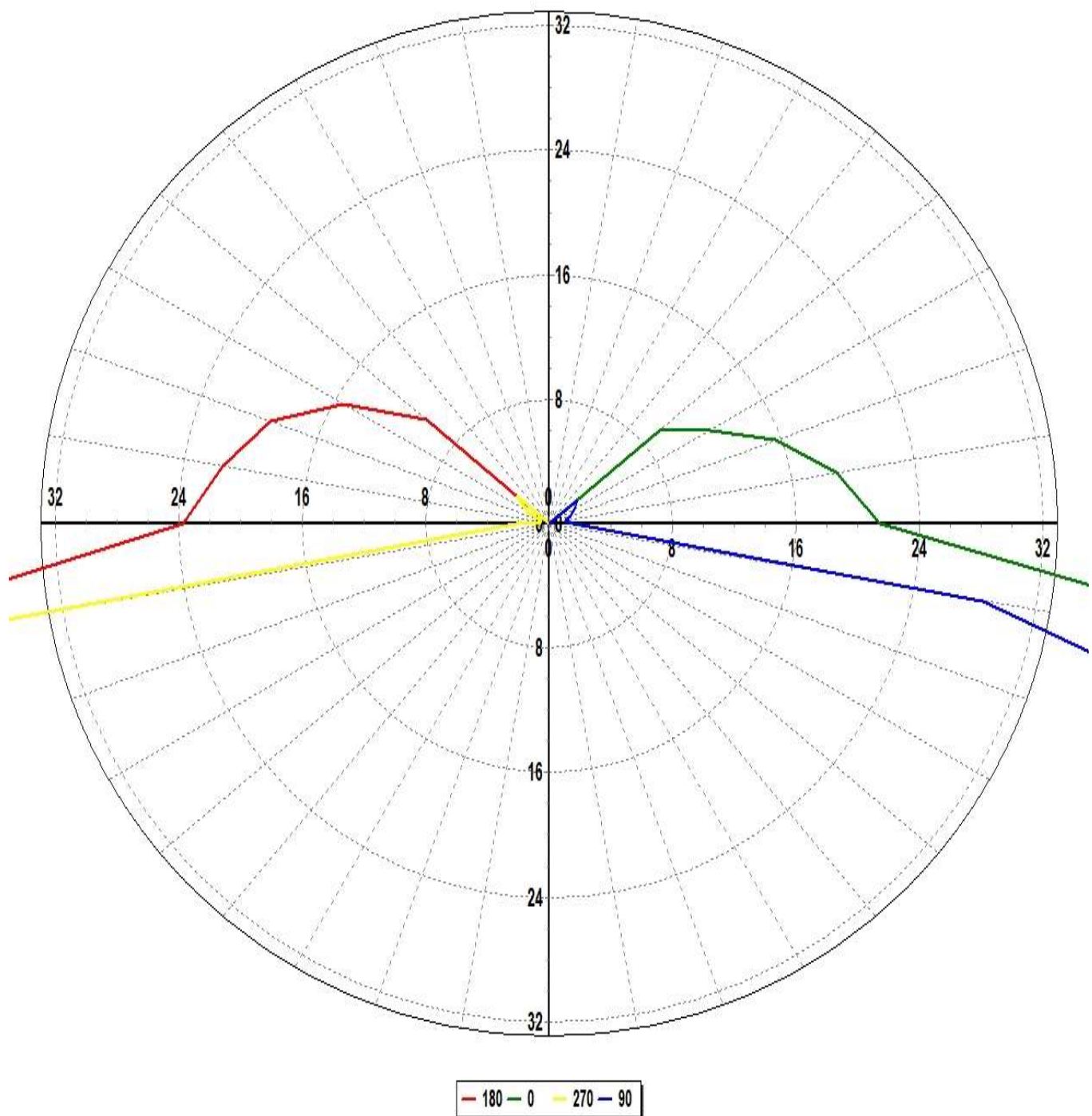
CGR

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Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

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Power FzDate 1

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Luminous Intensity Data

Maximum (cd) : 167

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	167.07	166.99	165.79	165.55	165.07	166.06	167.07	166.99	165.79	165.55	165.07
10	164.88	163.26	162.3	161.94	162.07	161.45	163.55	163.76	164.21	163.66	164.08
20	155.88	154.55	152.74	151.96	152.73	152.53	154.41	155.42	155.15	155.5	154.78
30	141.48	141.02	139.51	137.71	137.43	138.46	141.03	141.69	141.97	142.86	142.93
40	125.62	122.86	121.13	119.24	119.27	120.26	123.66	124.2	122.19	124.56	124.07
50	103.62	102.25	100.25	97.52	98.01	97.68	102.46	102.44	101.97	102.09	104.07
60	79.83	77.06	74.25	71.13	72.87	73.01	78.38	77.94	76.66	76.85	78.66
70	53.75	50.86	46.79	42.49	44.18	47.79	53.83	52.02	49.56	49.19	51.99
80	28.64	25.18	19.7	14.68	17.8	22.34	28.31	26.94	23.09	21.2	24.81
90	11.03	9.56	5.26	0.8	5.87	10.65	12.21	11.28	5.26	1.08	5.68
100	9.73	7.57	4.65	0.56	4.92	9.29	11.06	8.86	4.43	0.29	4.18
110	8.05	7.36	2.49	0.76	3.35	7.74	9.89	8.29	3.01	0.28	3.78
120	6.2	3.68	1.11	0.98	0.49	3.75	7.92	6.46	0.8	0.85	1.12
130	4.88	0.71	3.12	1.22	2.76	1.63	5.35	3.61	2.23	1.43	2



Luminaire

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Total flux (lm) 515

Power Factor Date 1

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Luminous Intensity Data (Continued)

Maximum (cd) : 167

Minimum (cd) : 0

G/C	330	360
0	166.06	167.07
10	164.08	164.88
20	155.96	155.88
30	143.36	141.48
40	126.68	125.62
50	106.23	103.62
60	81.67	79.83
70	56.65	53.75
80	29.61	28.64
90	11.01	11.03
100	8.24	9.73
110	7.1	8.05
120	5.14	6.2
130	2.17	4.88



Luminaire

Lamp		Report	191223
No. of lamps	1	Voltage (Filename 191223 NDP7 35K-24V-C90 KM1706 VER 2.3 28LM9.jdt	
Lamp flux (lm)	515	Current (.Operator 0.296	CGR
Total flux (lm)	515	Power Factor	1
		Date	2019-12-23 오후 4:04:39

Luminous Flux Table

Total Lamp Lumens:	515
Luminaire Efficiency (lm/W):	515.23
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.97	3.97	0.77	0.77
10	31.05	35.02	6.80	6.80
20	57.80	92.82	18.02	18.02
30	77.10	169.92	32.98	32.98
40	86.46	256.38	49.76	49.76
50	85.20	341.58	66.30	66.30
60	72.58	414.16	80.39	80.38
70	51.38	465.54	90.36	90.36
80	25.37	490.92	95.29	95.28
90	8.19	499.10	96.88	96.87
100	6.63	505.74	98.16	98.16
110	5.32	511.06	99.20	99.19
120	3.04	514.10	99.79	99.78
130	1.13	515.23	100.01	100.00

Luminaire

Lamp

Report

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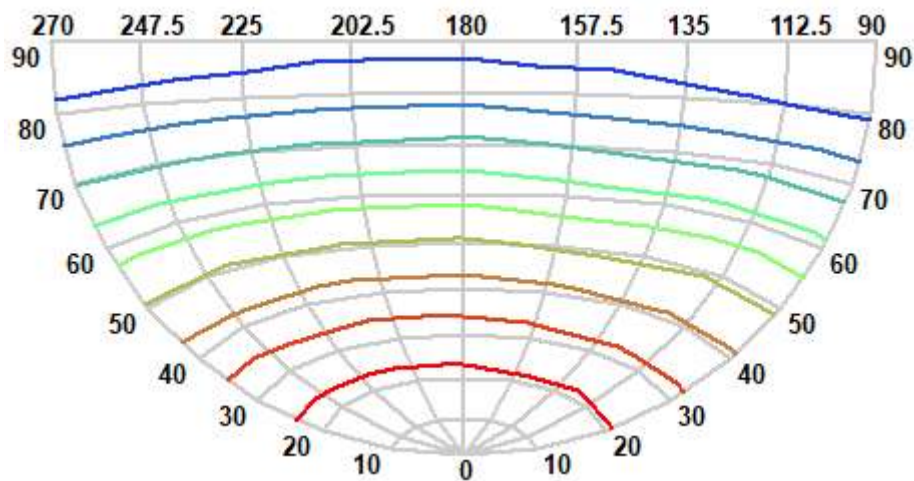
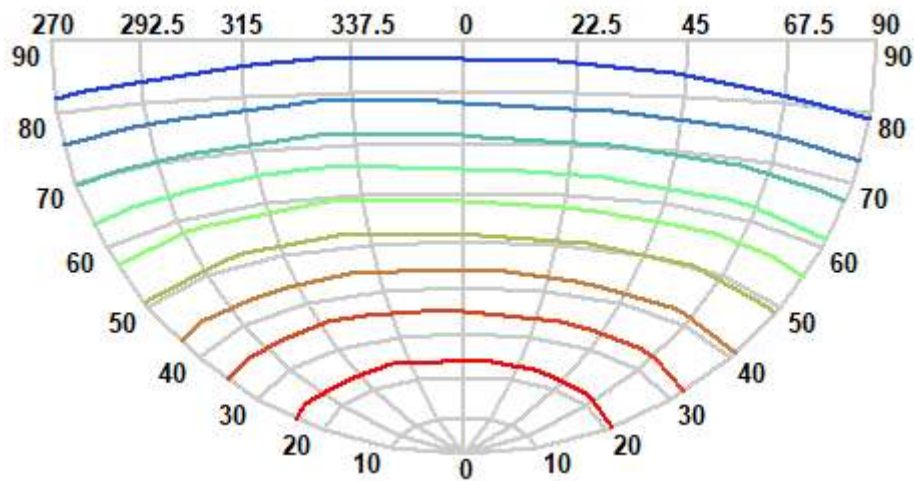
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IsoCandela (Type C)



Luminaire

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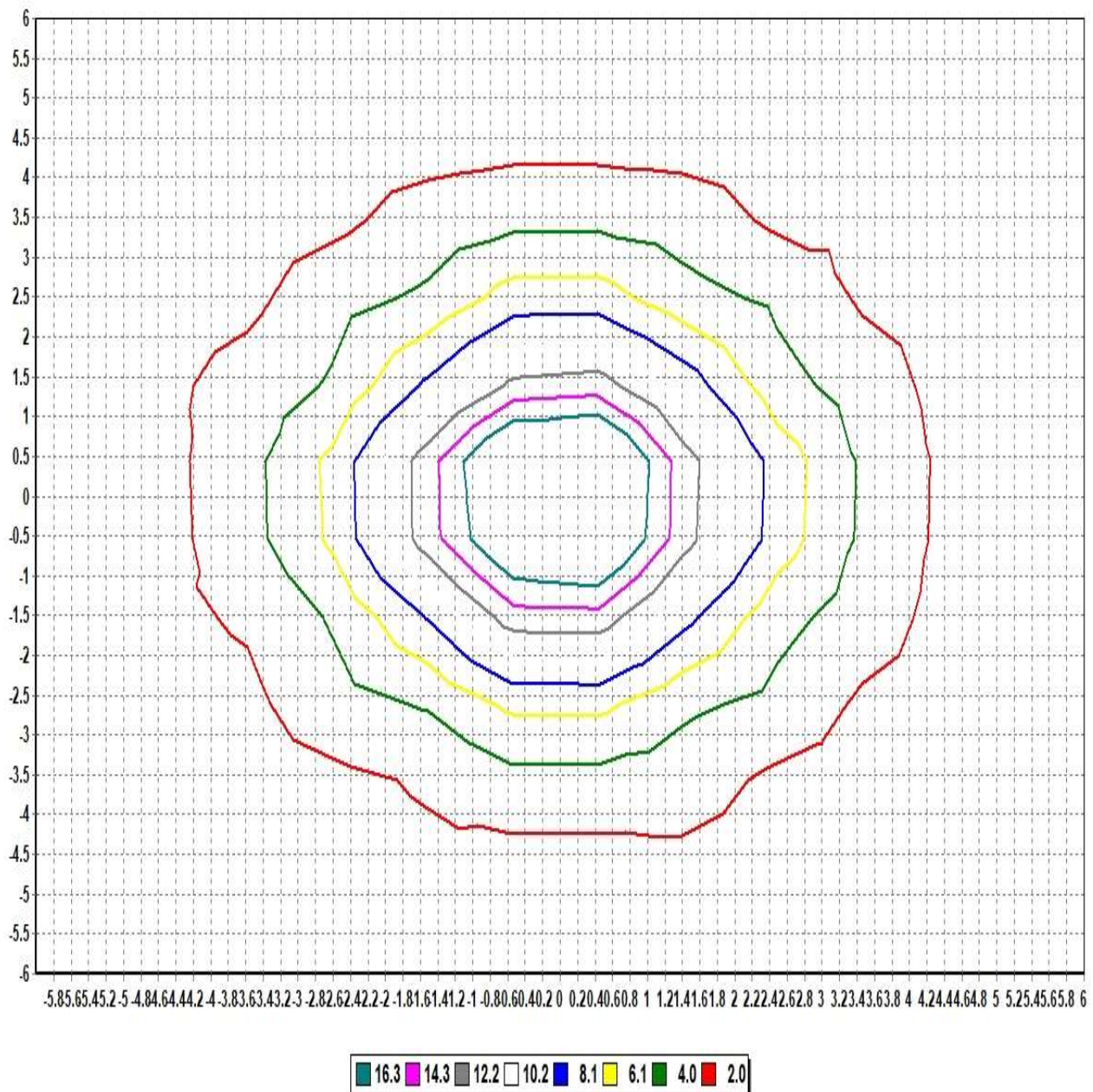
CGR

Total flux (lm) 515

Power Factor 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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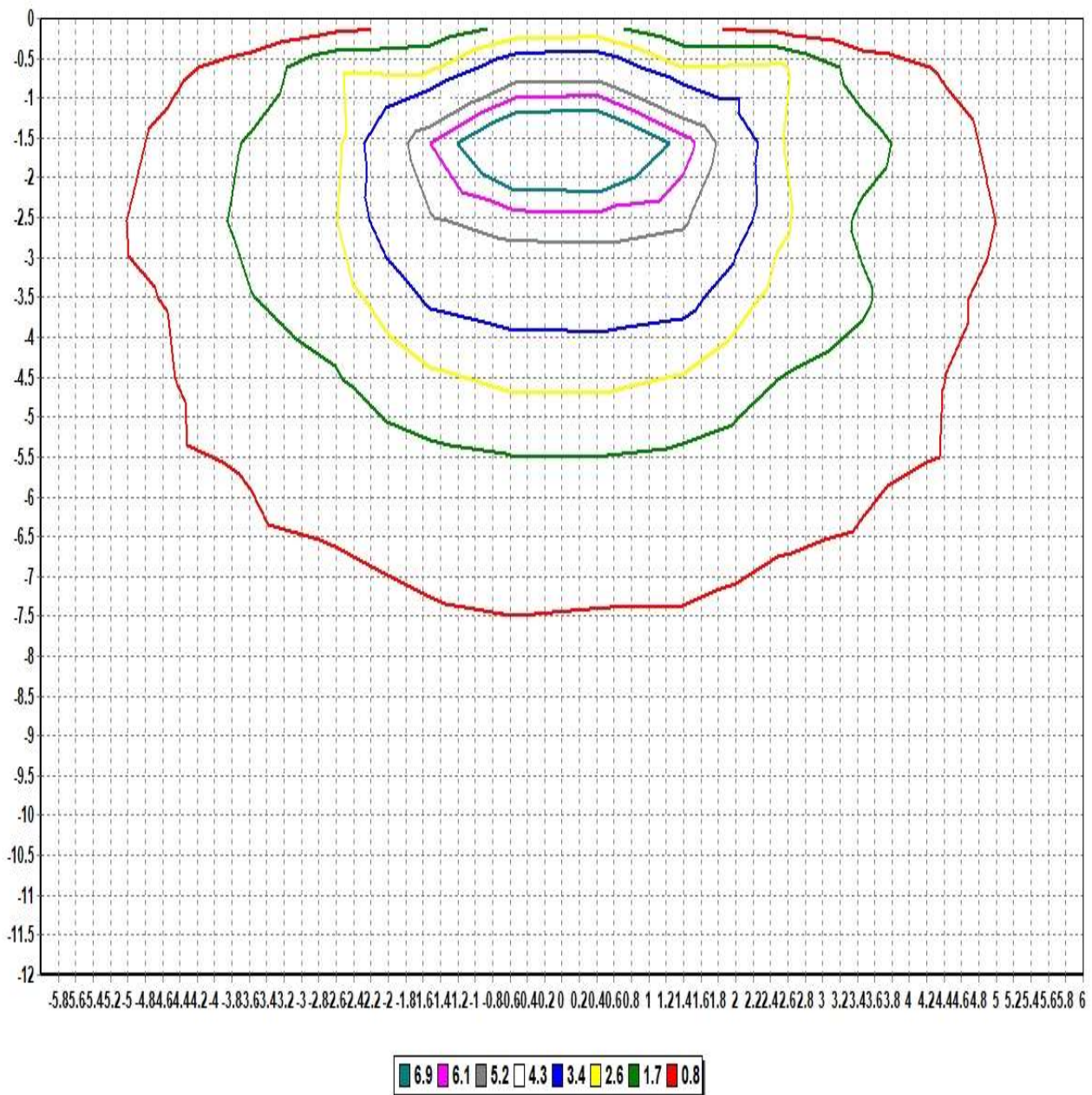
CGR

Total flux (lm) 515

Power Factor 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)	515	Current (A)	0.296
Total flux (lm)	515	Power Factor	1

Report

191223

Filename 191223 NDP7 35K-24V-C90 KM1706 VER 2.3 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

6.00	0.25	0.33	0.26	0.35	0.44	0.52	0.52	0.50	0.48	0.40	0.29	0.35	0.28
5.00	0.34	0.29	0.41	0.57	1.10	1.32	1.37	1.31	1.15	0.61	0.45	0.34	0.37
4.00	0.29	0.44	0.95	1.37	1.43	1.83	1.96	1.83	1.51	1.42	1.01	0.49	0.32
3.00	0.36	0.61	1.38	1.66	3.32	3.71	4.18	3.85	3.39	1.79	1.46	0.67	0.40
2.00	0.45	1.11	1.43	3.34	4.77	7.52	8.94	7.73	5.00	3.50	1.52	1.16	0.50
1.00	0.56	1.34	1.89	3.72	7.52	13.45	18.28	13.78	7.76	3.90	2.00	1.41	0.60
0.00	0.61	1.45	2.12	4.38	9.23	18.47	22.92	18.62	9.33	4.43	2.15	1.47	0.61
-1.00	0.55	1.33	1.88	3.89	7.82	13.78	18.48	13.90	7.84	3.98	2.00	1.40	0.59
-2.00	0.50	1.16	1.53	3.46	4.98	7.81	9.32	7.82	5.01	3.54	1.55	1.19	0.51
-3.00	0.41	0.67	1.45	1.79	3.43	3.88	4.38	3.92	3.47	1.78	1.50	0.70	0.41
-4.00	0.32	0.49	1.00	1.44	1.53	1.91	2.09	1.91	1.54	1.45	1.01	0.50	0.34
-5.00	0.36	0.34	0.47	0.64	1.16	1.36	1.44	1.36	1.17	0.64	0.47	0.33	0.37
-6.00	0.28	0.36	0.30	0.41	0.49	0.55	0.58	0.55	0.49	0.41	0.30	0.36	0.27
-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.) : 22.9

Illum. (Min.) : 0.25

Illum. (Avg.) : 2.72

All illuminance level values are in lux.



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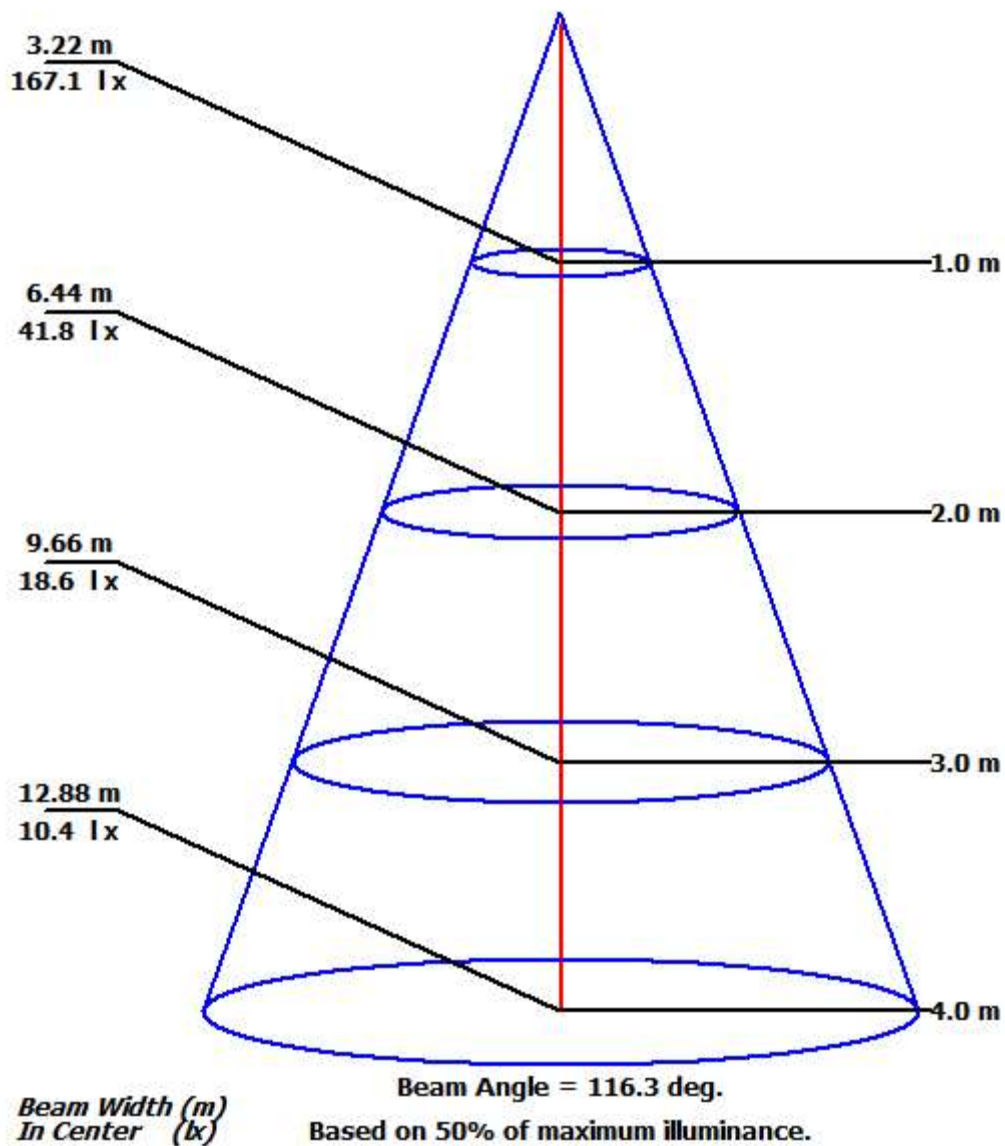
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Illuminance Cone Diagram





Luminaire

Lamp

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Lamp flux (lm)	515	Current (A)	0.296
Total flux (lm)	515	Power Factor	1

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Operator

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