

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 : 191227

2. Purpose of Report :**3. Number of Report :** 191227**4. Test Standard / Item :** / 191227 NDP15 57K-24V-C90 SF1905 VER 3.3e 28LM9**5. Test Period :** 191227 ~ 191227**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
191227	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3316 , 0.3376	
Correlated Color Temperature	K	5535	
Ra		92.98	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.597	
Input Watt	W	14.32	
Lamp Flux	lm	1105.7	
Efficient	lm/W	77.17	
luminous Intensity (Max , Center)	cd	354 , 353	
Illuminance	lx	353	1 m
		88	2 m
		39	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191227

No. of lamps 1

VoltageFilename 191227 NDP15 57K-24V-C90 SF1905 VER 3.3e 28LM9.jdt

Lamp flux (lm) 1106

CurrentOperator 0.597

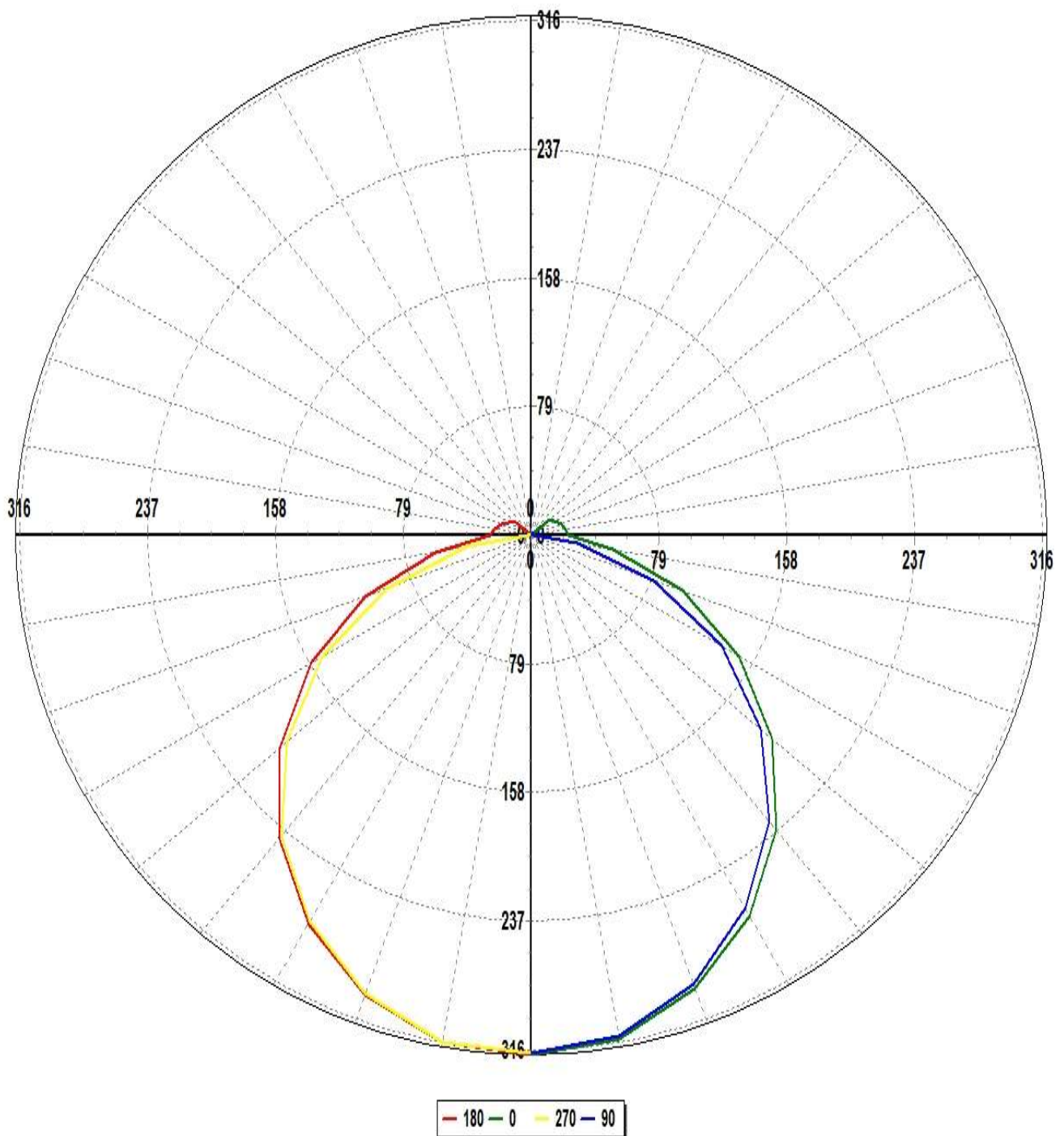
CGR

Total flux (lm) 1106

Power Date 1

2019-12-27 오전 10:17:37

Luminous Intensity Distribution



Luminaire

Lamp

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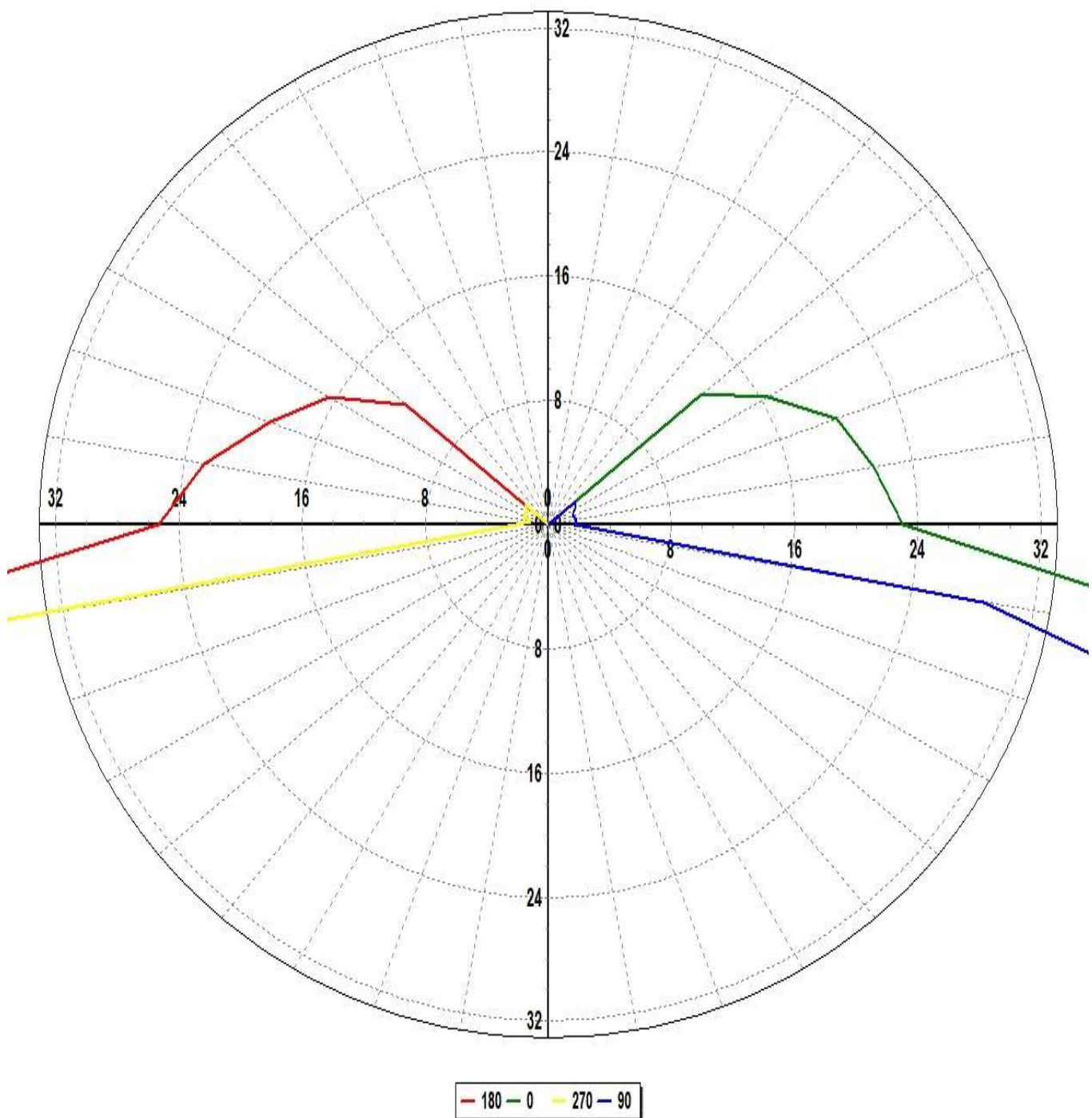
CGR

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Luminous Intensity Distribution (Lowest 10%)





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Luminous Intensity Data

Maximum (cd) : 354

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	352.75	353.16	353.01	352.2	353.37	353.82	352.75	353.16	353.01	352.2	353.37
10	347.13	345.71	346.6	344.7	345.06	345.06	350.03	349.22	349.29	349.57	348.46
20	327.18	326.01	324.97	324.38	326.11	326.32	332.11	332.62	331.95	331.56	330.13
30	298.59	296.27	294.43	292.63	295.29	296.66	305.03	305.93	303.12	302.85	302.43
40	260.7	257.67	254.76	253.34	256.28	258.56	268.57	269.76	264.51	265.88	263.93
50	215.27	212.27	207.86	204.67	209.53	213.35	224.07	224.79	220.32	218.01	219.16
60	164.39	159.35	153.55	150.31	155.58	161.72	173.9	174.45	167.76	165.11	166.03
70	110.15	103.88	94.96	89.09	97.15	106.83	120.92	119.34	110.23	104.83	108.49
80	56.74	49.99	39.91	31.75	41.26	53.01	66.19	64.02	52.24	44.29	51.39
90	25.47	22.08	11.26	1.87	12.4	22.11	28.02	24.6	12.95	2.31	12.89
100	23.73	20.51	10.7	2.08	11.68	21.01	25.12	20.15	10.93	1.32	10.41
110	22.08	18.76	7.01	1.81	8.24	18.79	21.29	16.98	9.44	1.92	9.42
120	18.21	11.14	2.52	2.24	2.13	12.67	18.14	14.62	1.89	1.73	2.16
130	14.4	1.87	5.64	2.55	5.48	2.81	13.34	11.22	6.19	2.18	4.96



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Luminous Intensity Data (Continued)

Maximum (cd) : 354

Minimum (cd) : 1

G/C	330	360
0	353.82	352.75
10	347.07	347.13
20	330.28	327.18
30	303.73	298.59
40	265.98	260.7
50	222.28	215.27
60	169.97	164.39
70	115.79	110.15
80	61.02	56.74
90	23.58	25.47
100	20.75	23.73
110	19.7	22.08
120	15.37	18.21
130	7.28	14.4



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Luminous Flux Table

Total Lamp Lumens: 1106

Luminaire Efficiency (lm/W): 1105.68

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.44	8.44	0.76	0.76
10	66.06	74.50	6.74	6.74
20	123.10	197.60	17.87	17.87
30	164.15	361.75	32.72	32.72
40	184.21	545.96	49.38	49.38
50	181.19	727.15	65.76	65.77
60	155.09	882.24	79.79	79.79
70	109.92	992.16	89.73	89.73
80	54.99	1047.15	94.70	94.71
90	18.21	1065.36	96.35	96.35
100	16.03	1081.40	97.80	97.80
110	13.33	1094.73	99.01	99.01
120	8.13	1102.86	99.74	99.74
130	2.82	1105.68	100.00	100.00



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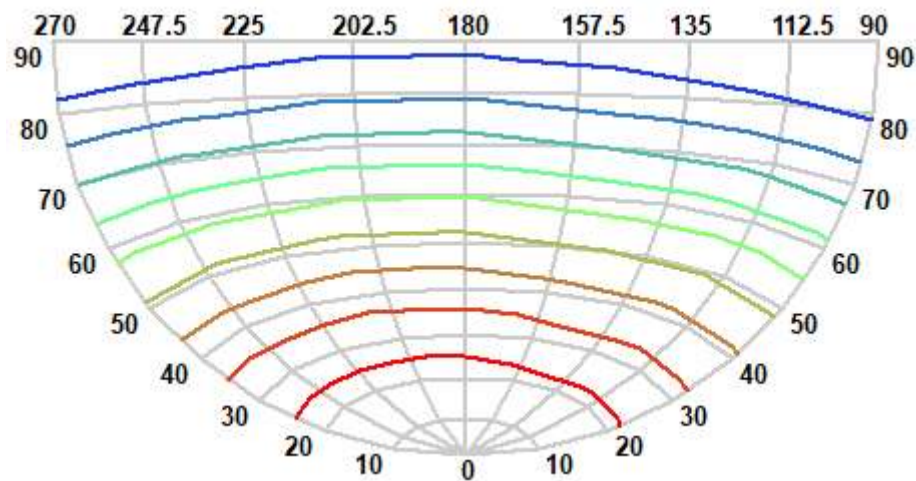
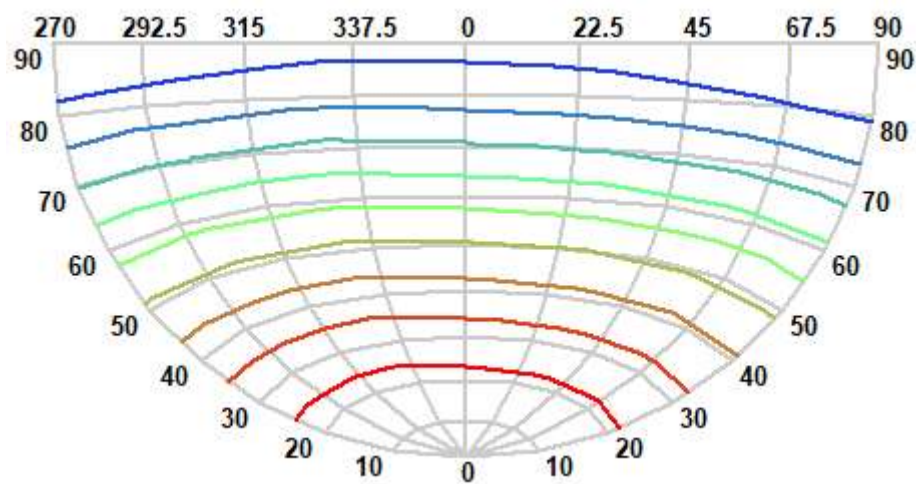
CGR

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IsoCandela (Type C)



1 ~ 37
37 ~ 72
72 ~ 107
107 ~ 142
142 ~ 178

178 ~ 213
213 ~ 248
248 ~ 283
283 ~ 319
319 ~ 354

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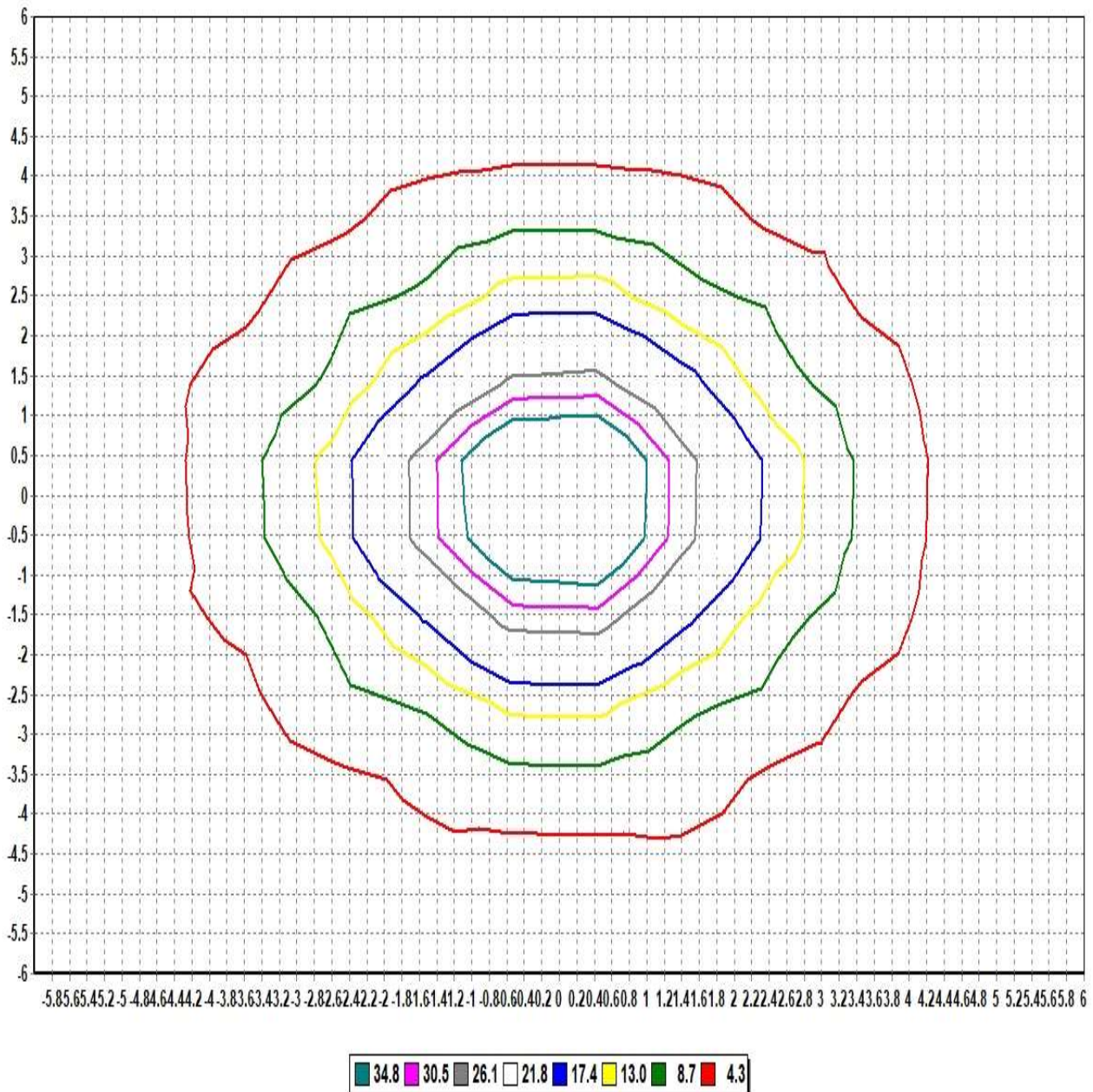
CGR

Total flux (lm) 1106

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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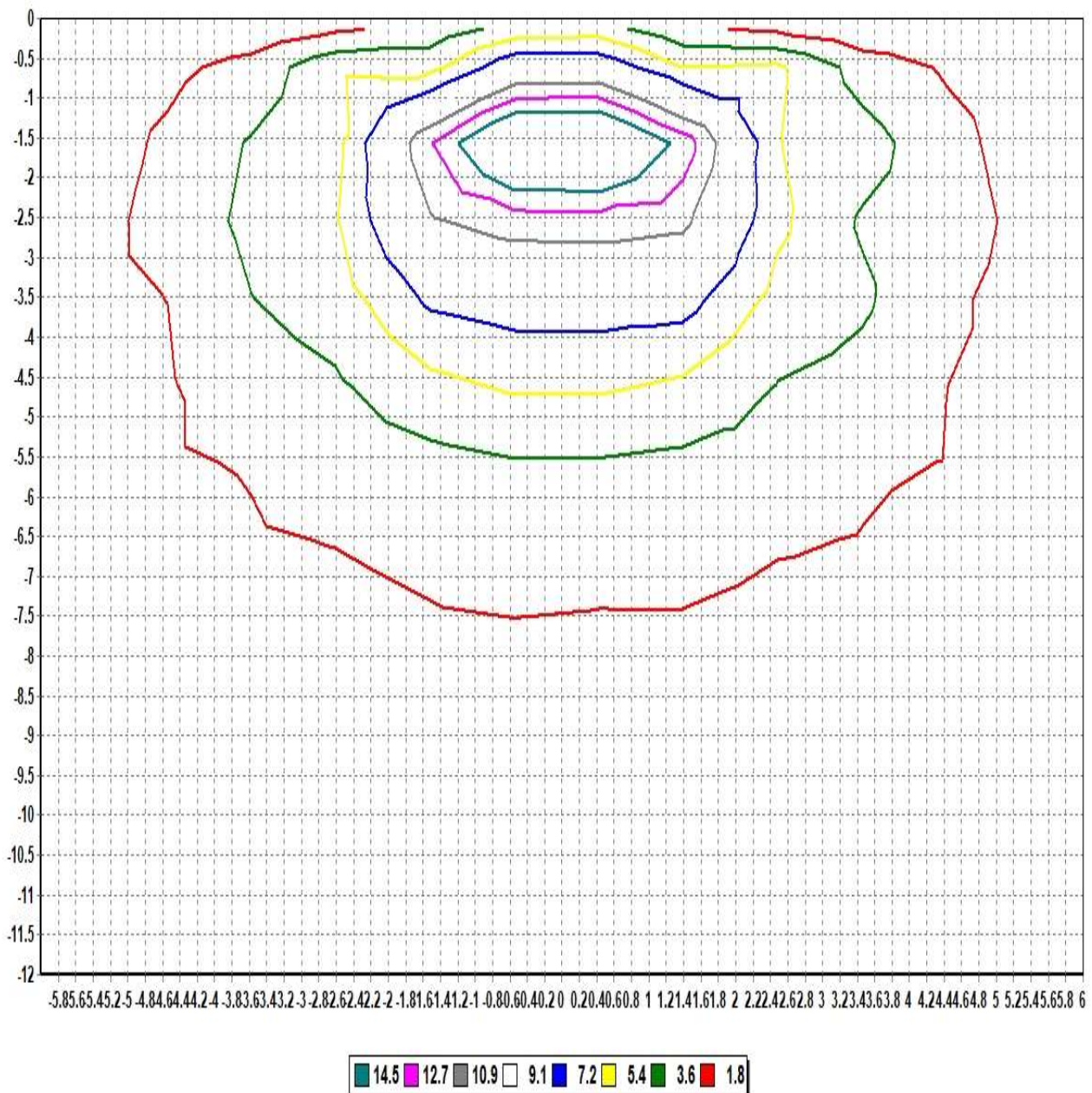
CGR

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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)	1106	Current (A)	0.597
Total flux (lm)	1106	Power Factor	1

Report

191227

Filename 191227 NDP15 57K-24V-C90 SF1905 VER 3.3e 28LM9.jdt

Operator

CGR

Date

2019-12-27 오전 10:17:37

Illuminance Levels (Ground)

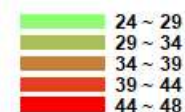
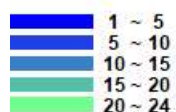
6.00	0.53	0.70	0.55	0.77	0.93	1.07	1.09	1.05	0.98	0.81	0.59	0.72	0.57
5.00	0.74	0.61	0.87	1.21	2.35	2.74	2.88	2.73	2.38	1.26	0.92	0.70	0.75
4.00	0.64	0.97	2.00	2.90	3.05	3.82	4.14	3.82	3.12	2.94	2.09	1.00	0.66
3.00	0.78	1.36	3.00	3.53	7.04	7.89	8.80	7.99	7.10	3.71	3.03	1.39	0.82
2.00	0.99	2.38	3.07	7.20	10.14	16.13	19.00	16.22	10.41	7.26	3.14	2.41	1.02
1.00	1.26	2.94	4.16	8.01	16.17	28.73	38.92	29.02	16.26	8.10	4.15	2.93	1.24
0.00	1.36	3.18	4.66	9.56	20.02	39.53	48.39	39.19	19.49	9.21	4.44	3.05	1.26
-1.00	1.21	2.91	4.15	8.51	16.98	29.73	39.48	29.49	16.64	8.36	4.14	2.91	1.22
-2.00	1.14	2.56	3.41	7.52	10.88	16.95	19.84	16.64	10.64	7.44	3.27	2.50	1.07
-3.00	0.93	1.49	3.18	3.96	7.42	8.46	9.34	8.30	7.40	3.79	3.13	1.44	0.86
-4.00	0.73	1.09	2.21	3.13	3.40	4.13	4.48	4.14	3.26	3.08	2.14	1.04	0.70
-5.00	0.81	0.78	1.04	1.41	2.55	2.92	3.08	2.93	2.48	1.36	0.99	0.70	0.78
-6.00	0.62	0.79	0.68	0.92	1.11	1.19	1.24	1.20	1.04	0.85	0.64	0.76	0.58
-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.) : 48.4

Illum. (Min.) : 0.53

Illum. (Avg.) : 5.79

All illuminance level values are in lux.



Luminaire

Lamp

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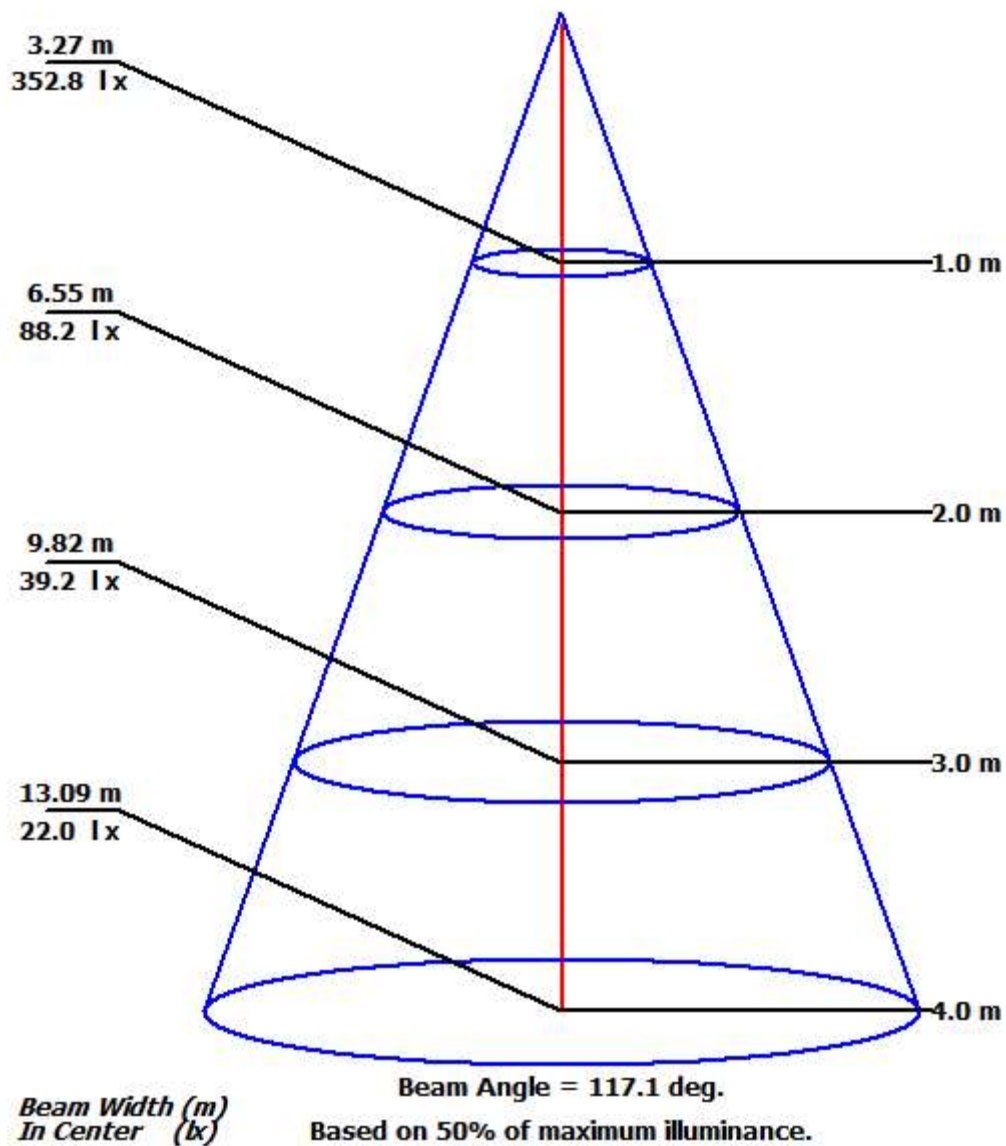
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Illuminance Cone Diagram





Luminaire

Lamp

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Lamp flux (lm)	1106	Current (A)	0.597
Total flux (lm)	1106	Power Factor	1

Report

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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