

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 : 191217

2. Purpose of Report :

3. Number of Report : 191217

4. Test Standard / Item : / 191217 NDP3 40K-24V-C90 SF1911 VER 3.3em 28LM9

5. Test Period : 191217 ~ 191217

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
191217	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3847 , 0.3764	
Correlated Color Temperature	K	3894	
Ra		94	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.101	
Input Watt	W	2.42	
Lamp Flux	lm	170.4	
Efficient	lm/W	70.30	
luminous Intensity (Max , Center)	cd	55 , 54	
Illuminance	lx	54	1 m
		14	2 m
		6	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191217

No. of lamps 1

VoltageFilename 191217 NDP3 40K-24V-C90 SF1911 VER 3.3em 28LM9.jdt

Lamp flux (lm) 170

CurrentOperator 0.101

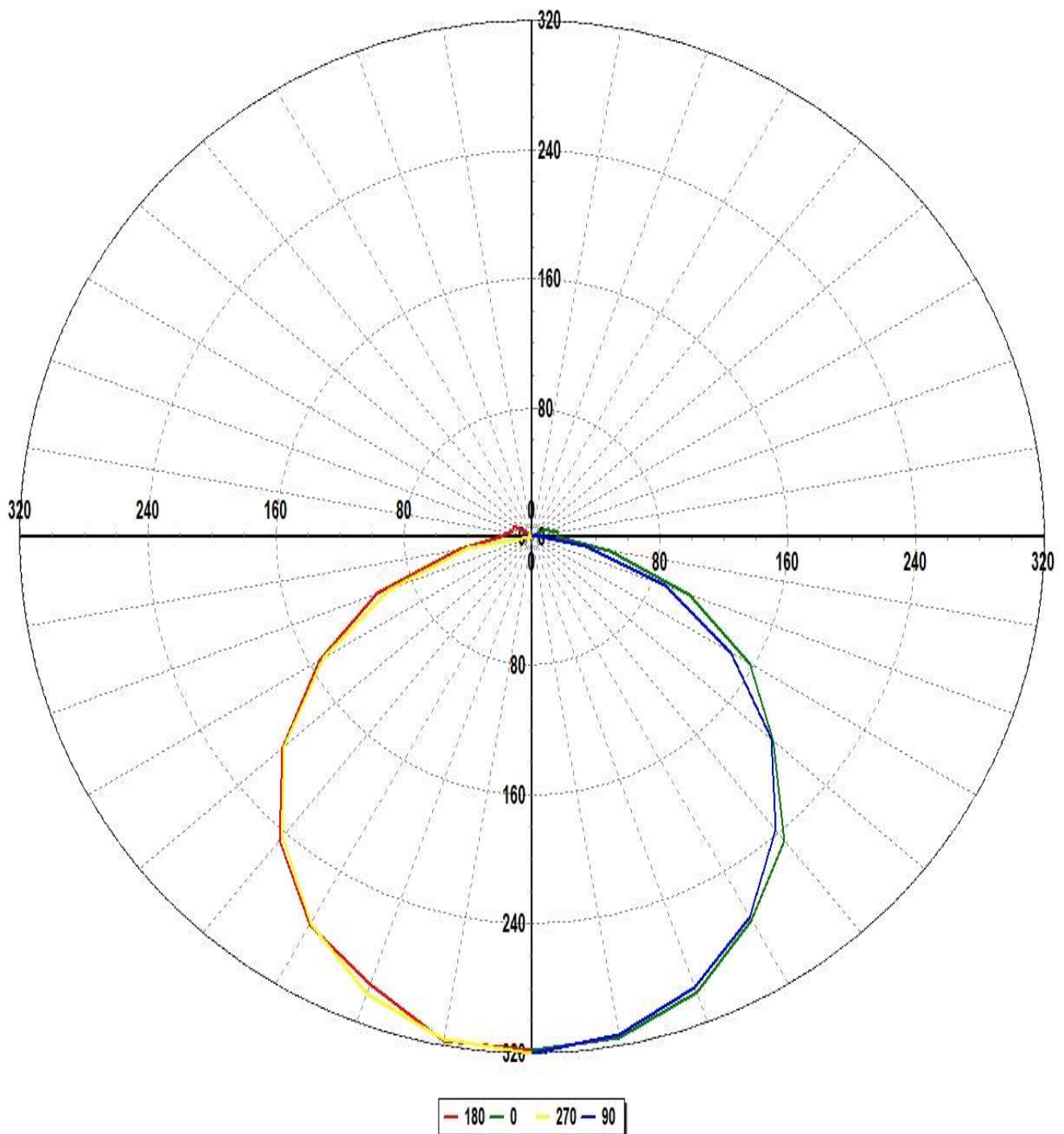
CGR

Total flux (lm) 170

PowerDateor 1

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Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 170

Total flux (lm) 170

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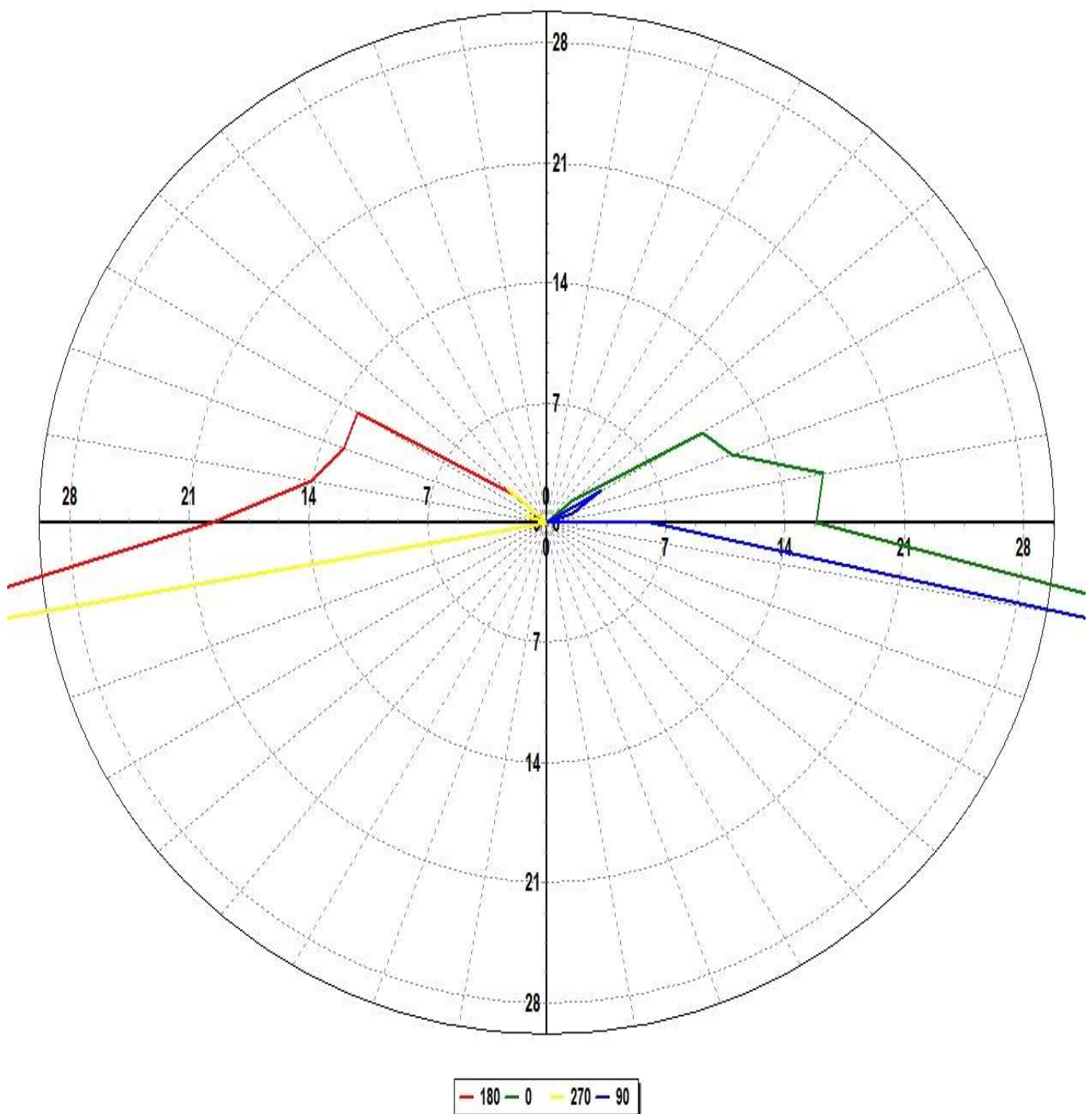
PowerDateor 1

191217

CGR

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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Luminous Intensity Data

Maximum (cd) : 55

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	54.07	54.48	54.73	54.45	54.87	53.59	54.07	54.48	54.73	54.45	54.87	53.59	54.07
10	53.56	53.54	53.17	53.31	53.47	52.56	53.94	53.79	53.47	53.82	53.72	53.73	53.56
20	51.16	50.82	50.48	50.52	50.45	50.5	50.31	51.27	50.67	51.24	51.81	51.51	51.16
30	46.73	46.49	45.99	46.23	46.59	46.27	47.22	47.47	46.62	46.97	46.35	47.42	46.73
40	41.73	40.86	40.88	40.28	39.97	39.61	41.69	41.32	41.15	41.24	41.18	41.4	41.73
50	33.48	34.53	33.48	33.16	33.05	32.77	34.67	34.61	33.78	34.35	34.19	34.69	33.48
60	26.73	25.35	25.8	24.43	25.48	24.88	26.11	26.22	25.8	25.57	26.66	26.81	26.73
70	17.81	16.37	16.07	15.01	14.78	16.24	17.51	16.55	17.14	16.25	17.34	18.46	17.81
80	8.35	8.12	7.77	5.8	6.93	6.76	7.85	8.32	6.73	6.94	8.32	9.75	8.35
90	2.69	2.5	1.25	1.04	1.75	2.8	3.34	3	1.41	-0.01	1.78	2.81	2.69
100	2.81	2.23	1.71	-0.38	1.31	3.45	2.38	2.1	1.36	-0.46	1.06	2.42	2.81
110	1.97	2.41	1.88	0.28	1.43	2.22	2.16	2.53	1.34	0.24	0.94	2.58	1.97
120	1.79	1.77	0.55	0.64	0.62	0.86	2.18	2.14	0.51	-0.22	0.94	1.99	1.79
130	0.33	0.68	1.53	-0.07	0.77	0.62	0.42	1.76	0.94	0.52	0.89	1.03	0.33



Luminaire

Lamp		Report	191217
No. of lamps	1	Voltage	191217 NDP3 40K-24V-C90 SF1911 VER 3.3em 28LM9.jdt
Lamp flux (lm)	170	Current	Operator 0.101
Total flux (lm)	170	Power	Date 2019-12-17 오후 3:26:28

Luminous Flux Table

Total Lamp Lumens:	170
Luminaire Efficiency (lm/W):	170.38
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.30	1.30	0.76	0.76
10	10.18	11.48	6.73	6.74
20	19.07	30.54	17.92	17.93
30	25.57	56.11	32.93	32.93
40	28.82	84.94	49.85	49.85
50	28.44	113.38	66.54	66.54
60	24.49	137.87	80.91	80.92
70	17.11	154.98	90.95	90.96
80	8.24	163.22	95.78	95.80
90	2.22	165.44	97.09	97.10
100	1.80	167.23	98.14	98.15
110	1.71	168.95	99.15	99.16
120	1.09	170.04	99.79	99.80
130	0.34	170.38	99.99	100.00

Luminaire

Lamp

Report

191217

No. of lamps 1

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Lamp flux (lm) 170

CurrentOperator 0.101

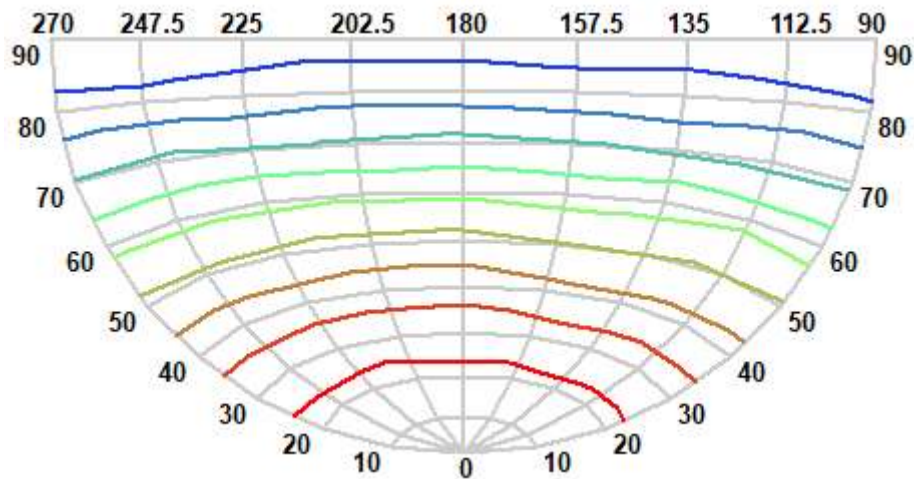
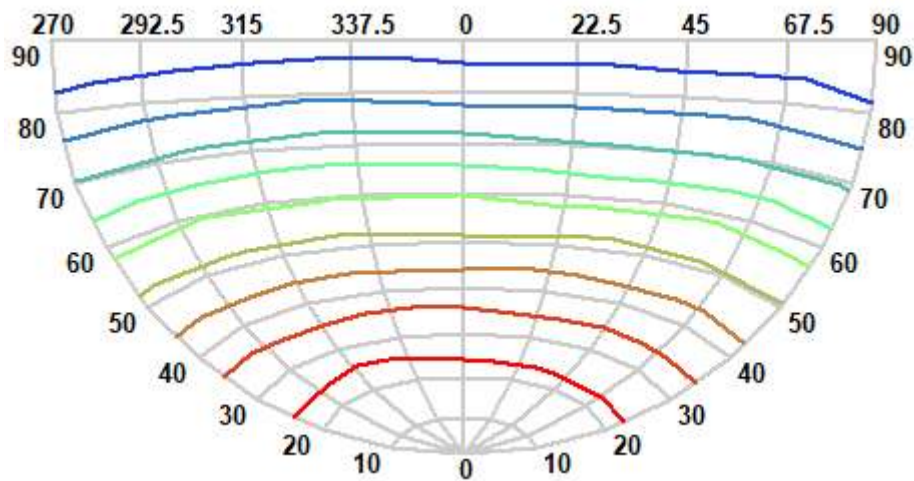
CGR

Total flux (lm) 170

PowerDateor 1

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IsoCandela (Type C)



Luminaire

Lamp

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Lamp flux (lm) 170

Total flux (lm) 170

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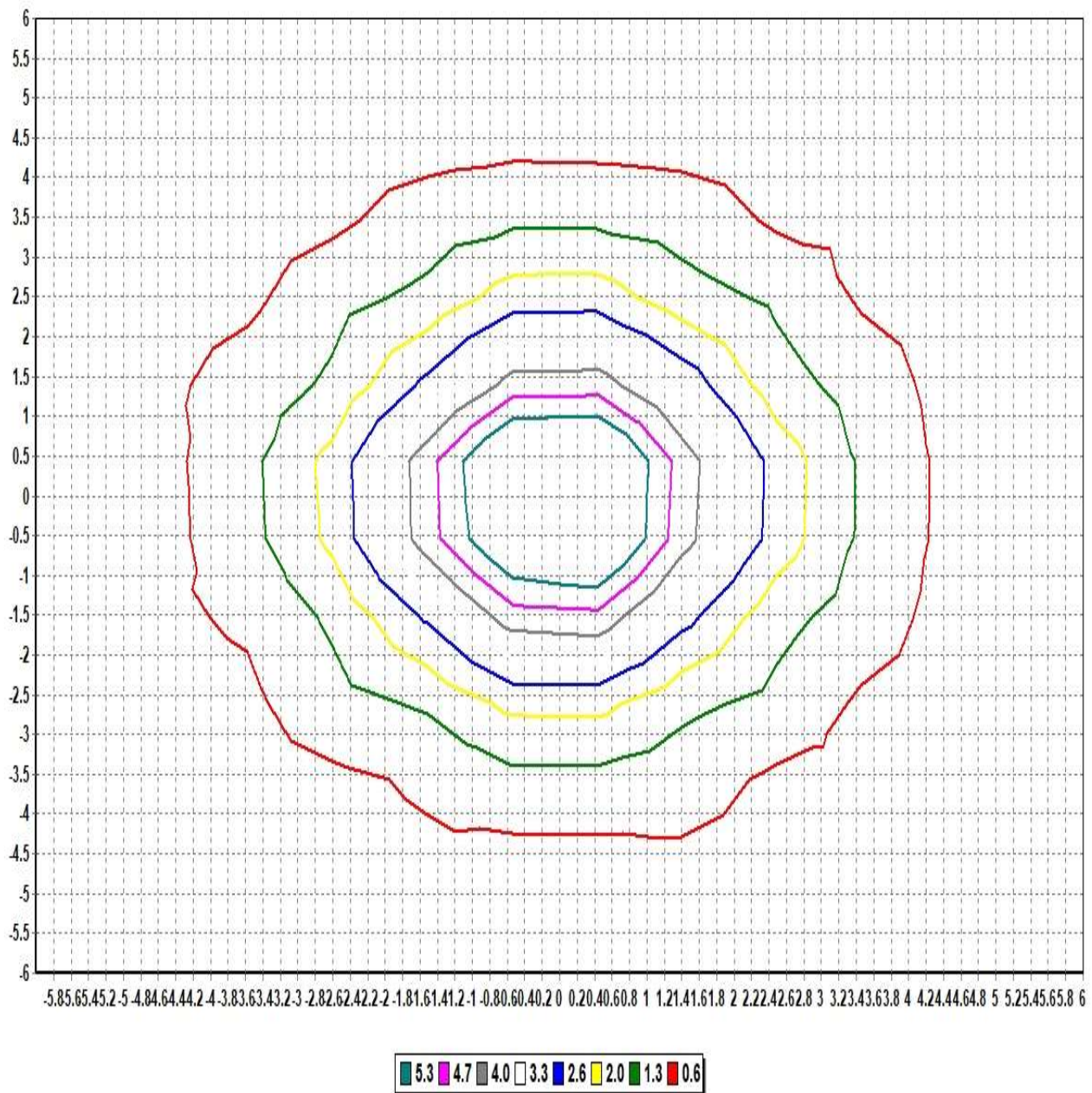
PowerDateor 1

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CGR

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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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Total flux (lm) 170

Report

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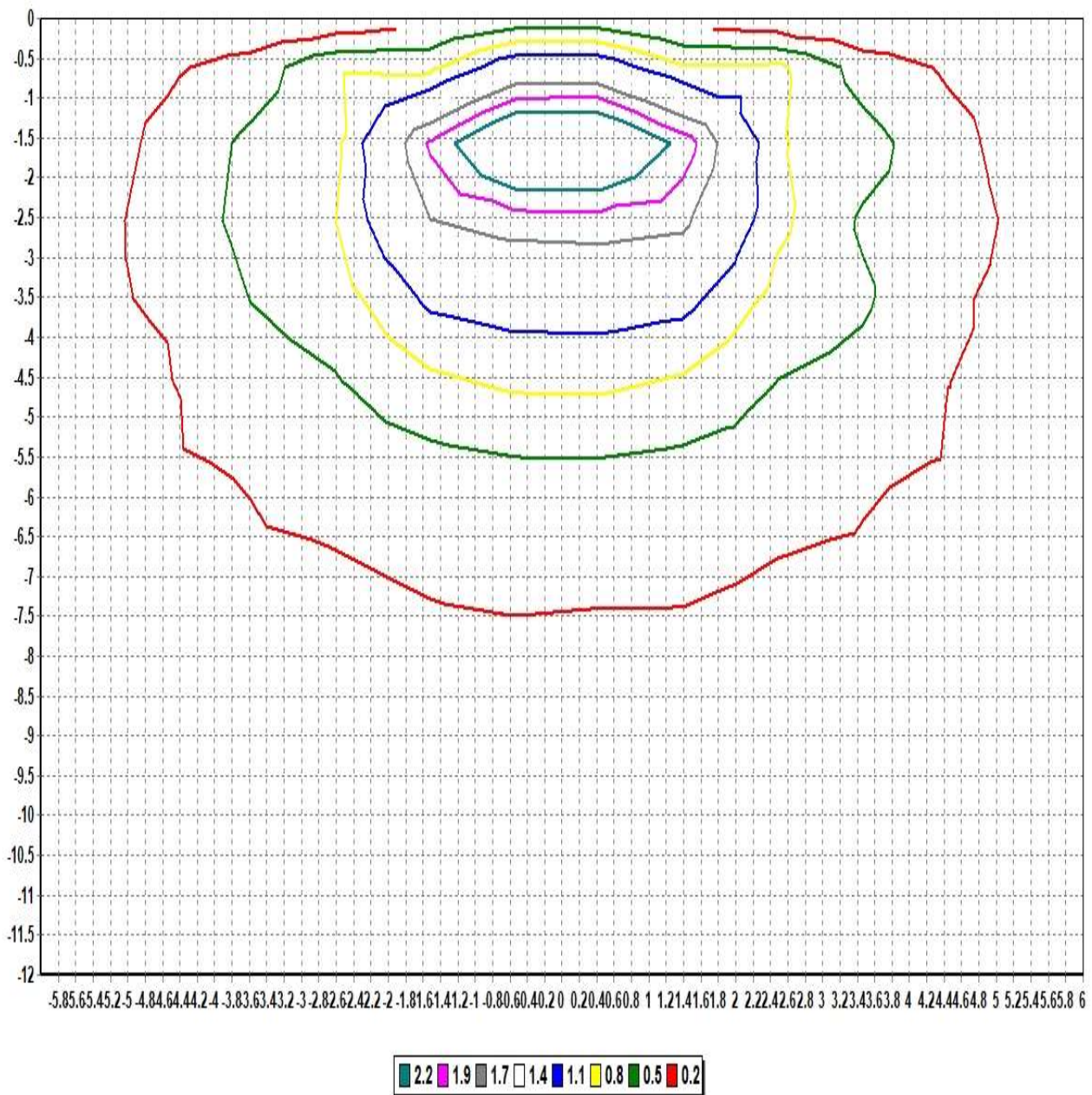
PowerDateor 1

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IsoLux Diagram (Wall)



Pole Height (m): 2.7

Aiming Plane: 0

Total Optical Solution Provider

Wall Distance (m): 2.7

Wall Height (m): 12



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	170	Current (A)	0.101
Total flux (lm)	170	Power Factor	1

Report

191217

Filename 191217 NDP3 40K-24V-C90 SF1911 VER 3.3em 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

6.00	0.09	0.11	0.09	0.12	0.15	0.18	0.18	0.17	0.16	0.13	0.10	0.12	0.09
5.00	0.12	0.10	0.14	0.20	0.38	0.45	0.47	0.44	0.39	0.21	0.15	0.11	0.12
4.00	0.10	0.15	0.32	0.47	0.50	0.63	0.67	0.63	0.50	0.48	0.33	0.16	0.11
3.00	0.12	0.21	0.46	0.57	1.12	1.26	1.42	1.29	1.14	0.59	0.48	0.22	0.13
2.00	0.15	0.38	0.50	1.11	1.61	2.52	3.01	2.57	1.66	1.15	0.50	0.39	0.16
1.00	0.19	0.45	0.64	1.25	2.52	4.52	6.02	4.54	2.58	1.29	0.66	0.46	0.20
0.00	0.20	0.49	0.71	1.48	3.10	6.09	7.42	6.05	3.09	1.44	0.71	0.48	0.20
-1.00	0.18	0.45	0.63	1.31	2.61	4.59	6.08	4.56	2.59	1.30	0.66	0.46	0.20
-2.00	0.16	0.39	0.51	1.16	1.68	2.60	3.08	2.59	1.66	1.16	0.52	0.39	0.17
-3.00	0.13	0.22	0.49	0.60	1.15	1.30	1.47	1.30	1.15	0.60	0.49	0.23	0.14
-4.00	0.11	0.16	0.34	0.48	0.51	0.64	0.70	0.64	0.52	0.48	0.34	0.17	0.11
-5.00	0.12	0.11	0.16	0.22	0.39	0.45	0.48	0.45	0.39	0.21	0.15	0.11	0.12
-6.00	0.09	0.12	0.10	0.13	0.16	0.18	0.19	0.19	0.16	0.14	0.10	0.12	0.09
-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.) : 7.42

Illum. (Min.) : 0.09

Illum. (Avg.) : 0.90

All illuminance level values are in lux.



Luminaire

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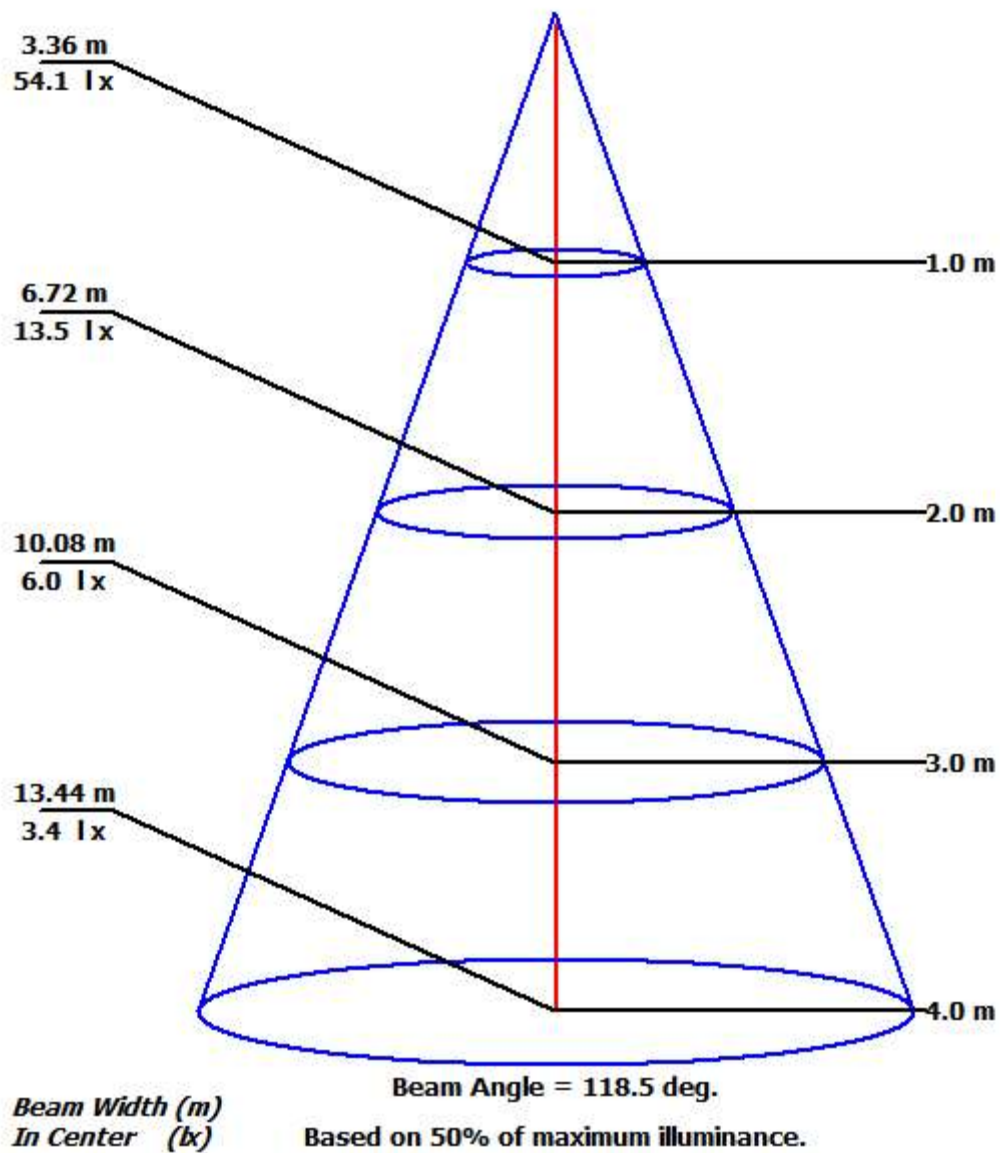
CGR

Total flux (lm) 170

PowerDateor 1

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Illuminance Cone Diagram





Luminaire

Lamp

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Lamp flux (lm)	170	Current (A)	0.101
Total flux (lm)	170	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