

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 : 200623

2. Purpose of Report :

3. Number of Report : 200623

4. Test Standard / Item : / 200623 NMP3 27K-24V-BK

5. Test Period : 200623 ~ 200623

6. Test Environment

* Ambient Temp. : 27.4 +- 3 °C
* Relative Humidity : 55.8 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	MKOH	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
200623	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4561 , 0.4074	
Correlated Color Temperature	K	2744	
Ra		92.09	
Power Factor		1.000	
Input Voltage	V	23.960	
Input Current	A	0.105	
Input Watt	W	2.51	
Lamp Flux	lm	157.2	
Efficient	lm/W	62.49	
luminous Intensity (Max , Center)	cd	46 , 46	
Illuminance	lx	46	1 m
		11	2 m
		5	3 m

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

* Sample photo

[Click to load image](#)

Luminaire

Lamp

No. of lamps 1

Voltage (V) 23.96

Report

200623

Lamp flux (lm) 157

Current (A) 0.105

Filename 200623 NMP3 27K-24V-BK.jdt

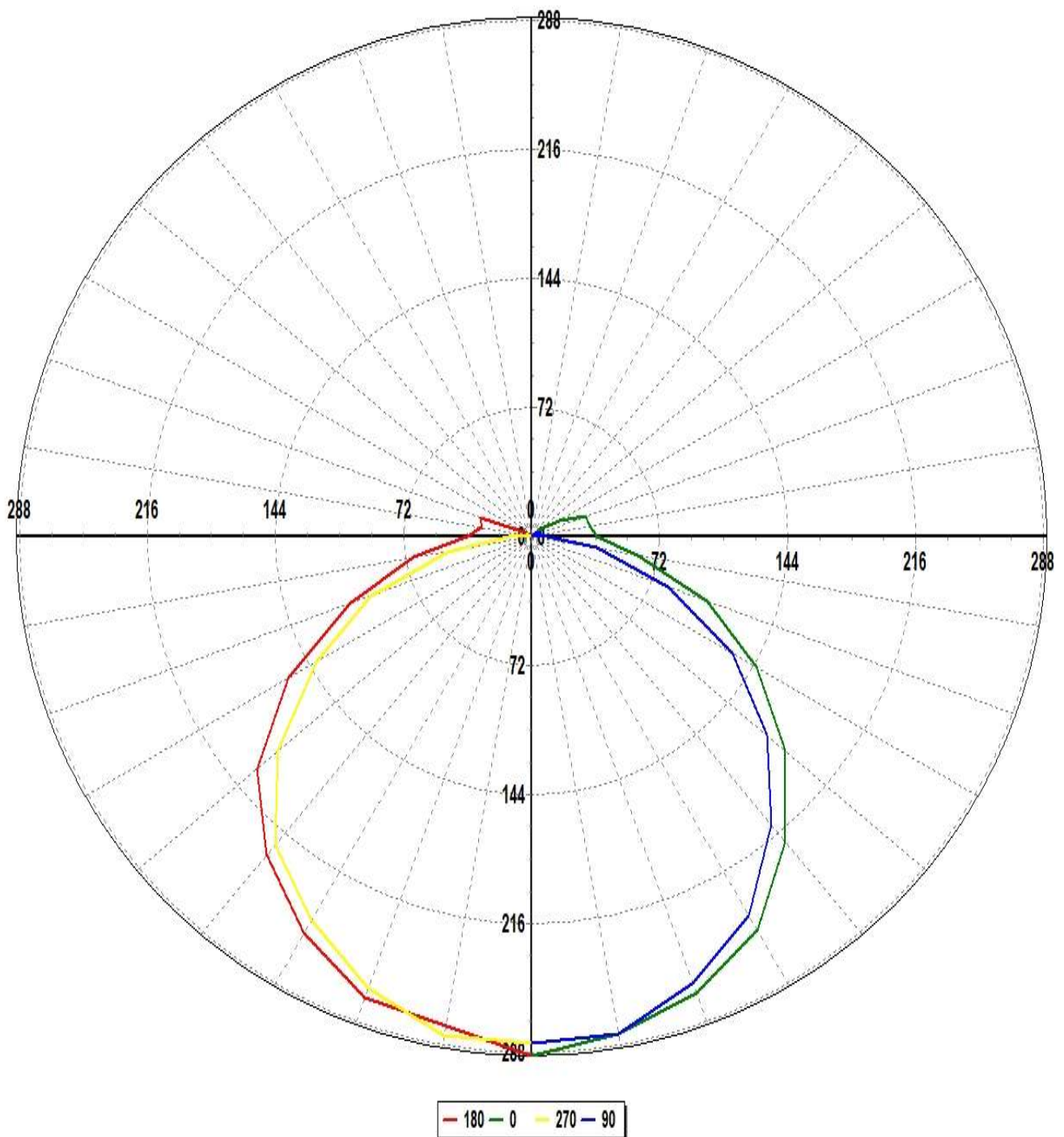
Total flux (lm) 157

Power Factor 1

Operator CGR

Date 2020-06-23 오후 2:50:59

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 23.96

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200623

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Current (A) 0.105

Filename 200623 NMP3 27K-24V-BK.jdt

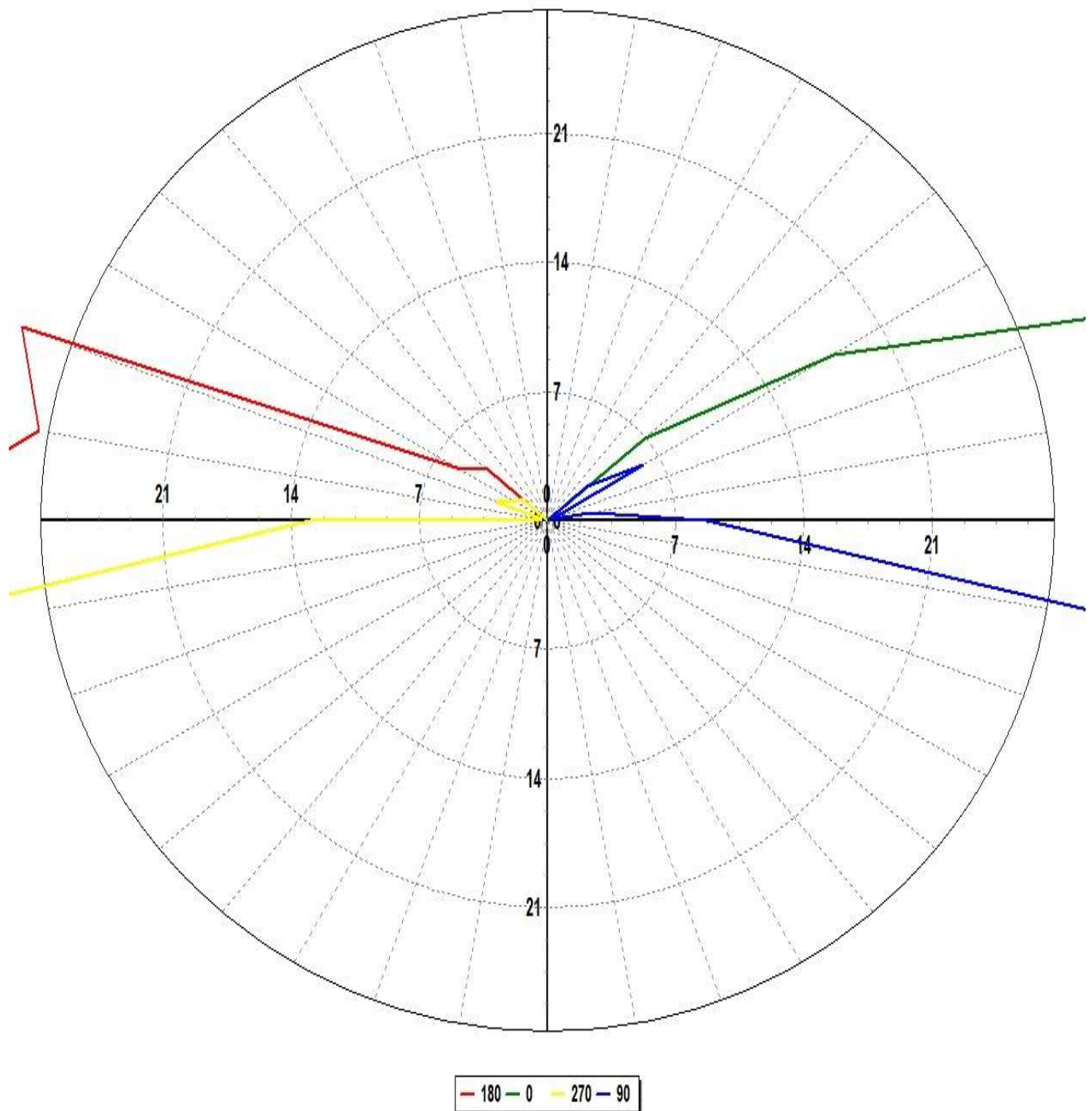
Total flux (lm) 157

Power Factor 1

Operator CGR

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Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.96	Report	200623
Lamp flux (lm)	157	Current (A)	0.105	Filename	200623 NMP3 27K-24V-BK.jdt
Total flux (lm)	157	Power Factor	1	Operator	CGR
				Date	2020-06-23 오후 2:50:59

Luminous Intensity Data

Maximum (cd) : 46

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	45.5	45.69	45.03	44.39	45.05	44.5	45.5	45.69	45.03	44.39	45.05	44.5	45.5
10	44.21	44.42	44.33	44.18	43.62	43.92	43.51	45.06	43.84	44.45	43.95	43.78	44.21
20	42.59	42.33	41.89	41.6	42.2	42.38	43.02	43.72	42.71	42.18	42.61	42.56	42.59
30	39.85	38.45	38.89	38.44	38.42	39.71	40.15	40.35	39.07	38.87	38.89	40.09	39.85
40	34.91	34.79	33.13	32.93	34.13	34.29	36.39	35.85	35.32	35.25	35.51	35.64	34.91
50	29.2	30.11	28.7	27.13	28.06	29.79	31.64	29.91	29.22	29.25	28.87	29.8	29.2
60	22.95	22.85	22.21	20.44	21.73	23.33	24.83	24.75	23.28	21.85	23.04	23.53	22.95
70	16.46	15.55	14.75	12.85	15.09	15.37	17.17	17.48	15.68	15.13	15.25	16.82	16.46
80	9.5	8.58	7.07	5.82	7.08	9.3	10.56	10.72	9.1	7.55	8.43	9.59	9.5
90	5.79	5.26	3.6	1.36	3.41	5.01	5.65	5.64	3.56	2.03	4.43	4.79	5.79
100	5.24	4.61	3.2	0.39	3.62	4.46	4.43	4.67	3.59	0.05	3.59	4.38	5.24
110	5.08	4.81	2.22	0.05	3.63	4.25	4.8	4.39	3.53	0.47	3.36	4.69	5.08
120	2.83	3.97	0.28	0.95	0.48	3.89	0.89	3.99	0.76	0.33	0.06	4.05	2.83
130	1.09	-0.25	0.91	0.44	1.16	0.08	0.67	0.39	1.94	0.29	2.07	1.26	1.09

Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.96	Report	200623
Lamp flux (lm)	157	Current (A)	0.105	Filename	200623 NMP3 27K-24V-BK.jdt
Total flux (lm)	157	Power Factor	1	Operator	CGR
				Date	2020-06-23 오후 2:50:59

Luminous Flux Table

Total Lamp Lumens:	157
Luminaire Efficiency (lm/W):	157.18
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.08	1.08	0.68	0.68
10	8.39	9.47	6.02	6.02
20	15.91	25.38	16.14	16.15
30	21.50	46.88	29.82	29.83
40	24.53	71.41	45.43	45.43
50	24.59	96.00	61.07	61.08
60	21.72	117.72	74.88	74.89
70	16.09	133.81	85.12	85.13
80	9.29	143.09	91.03	91.04
90	4.61	147.71	93.96	93.97
100	3.79	151.50	96.37	96.39
110	3.54	155.04	98.63	98.64
120	1.78	156.82	99.76	99.77
130	0.36	157.18	99.99	100.00

Luminaire

Lamp

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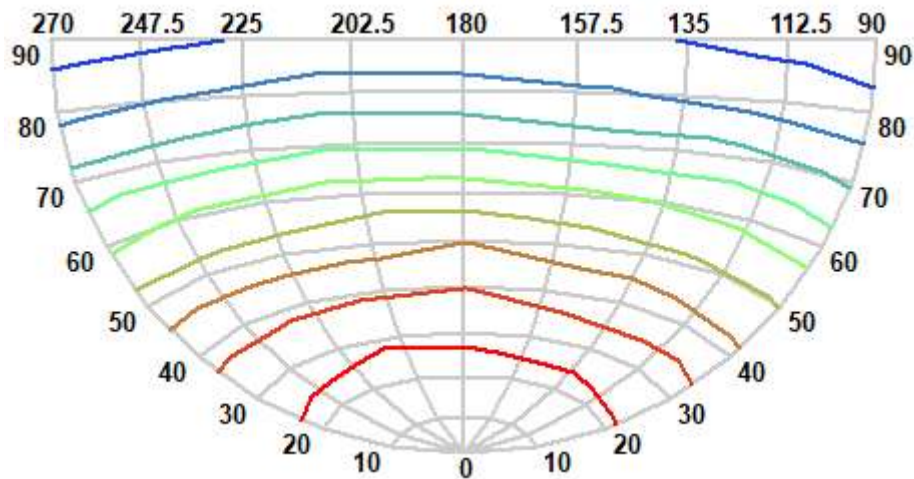
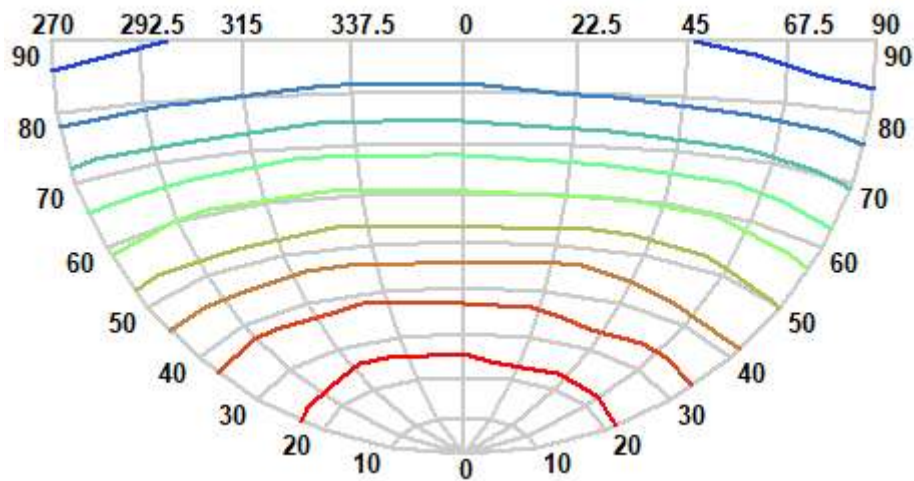
Total flux (lm) 157

Power Factor 1

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IsoCandela (Type C)



Luminaire

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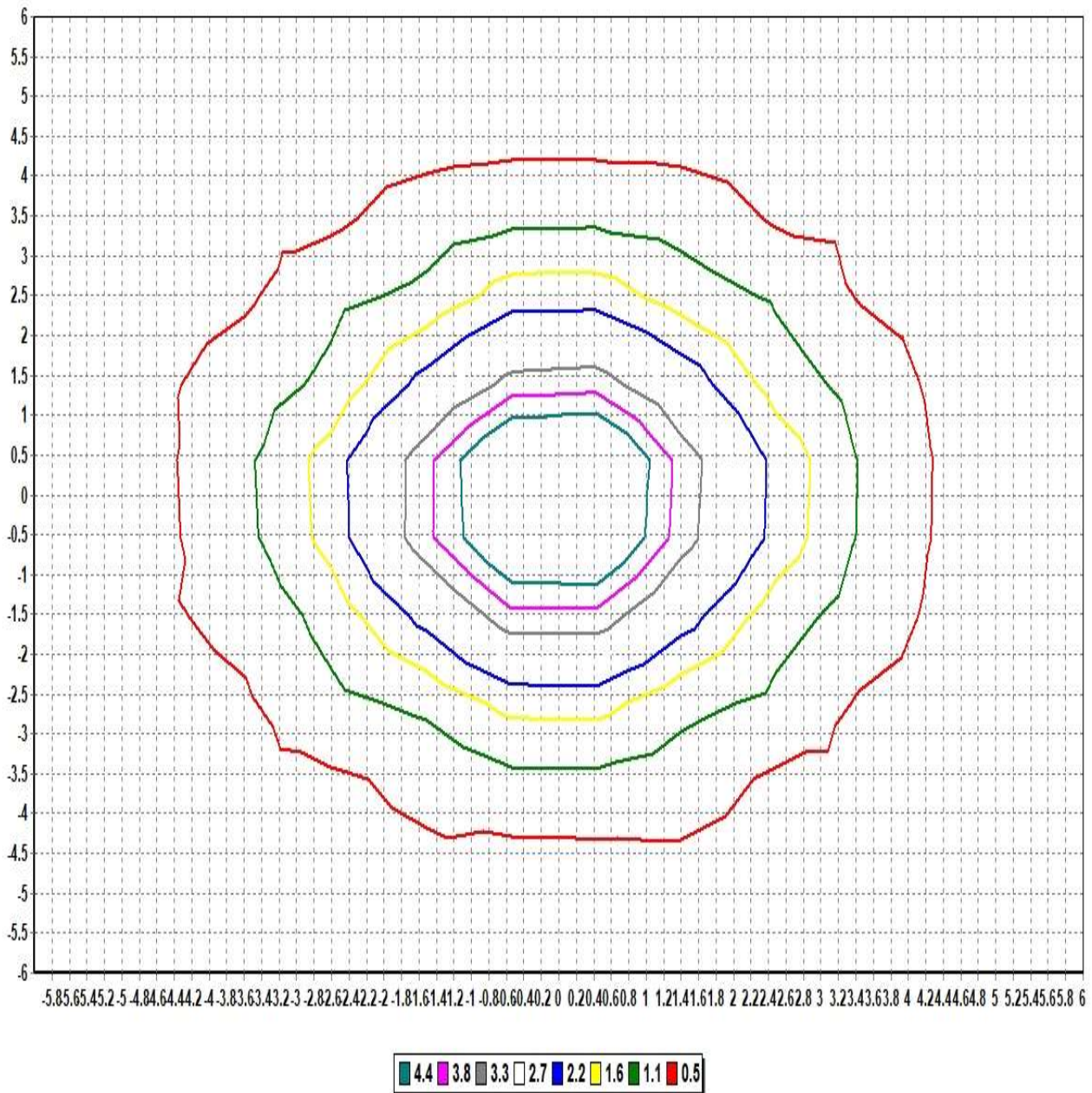
Total flux (lm) 157

Power Factor 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

No. of lamps 1

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200623

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Current (A) 0.105

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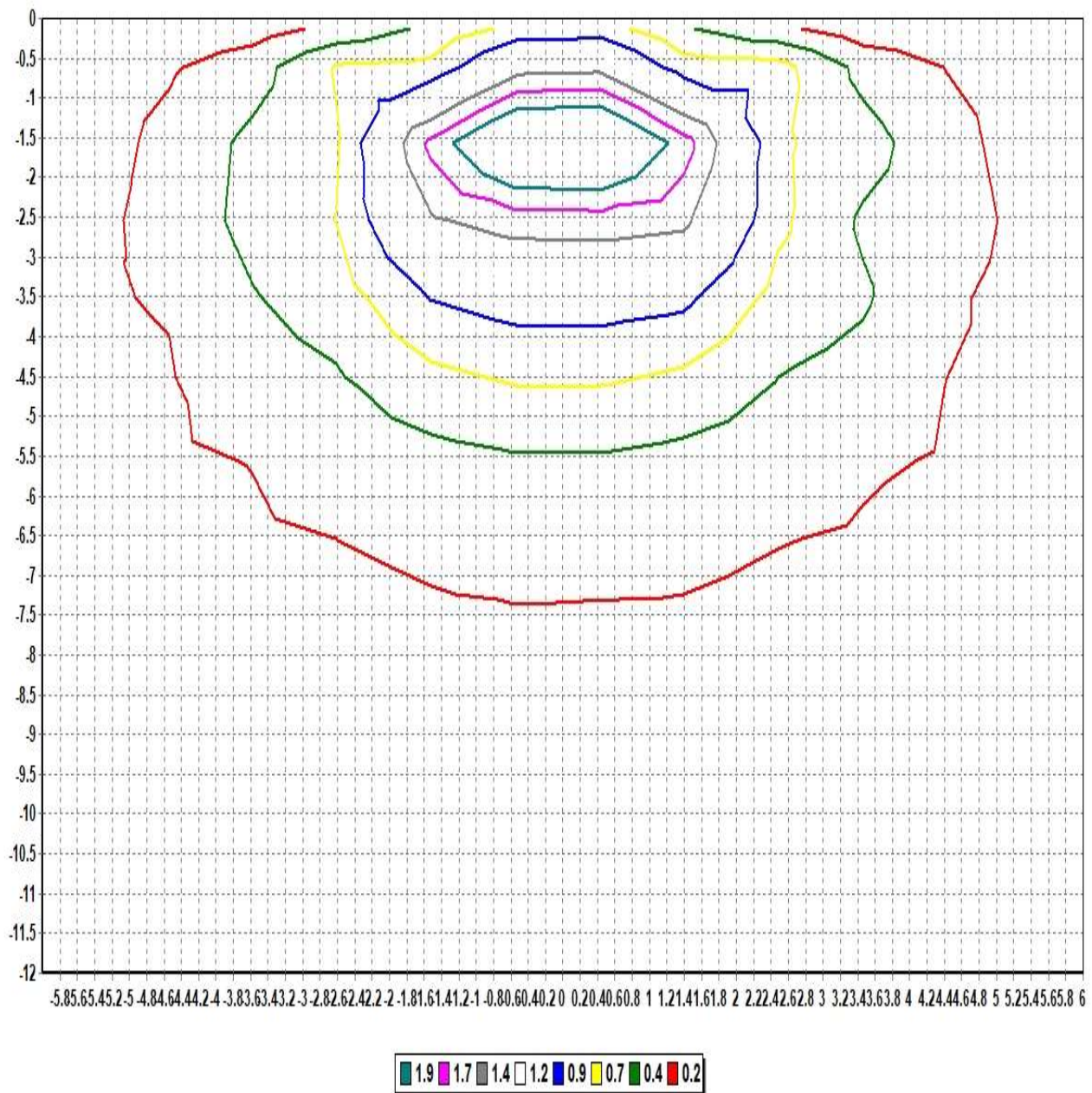
Total flux (lm) 157

Power Factor 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

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Total flux (lm)	157	Power Factor	1

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Illuminance Levels (Ground)

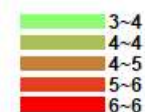
6.00	0.07	0.10	0.08	0.12	0.14	0.16	0.15	0.15	0.15	0.12	0.09	0.10	0.08
5.00	0.11	0.09	0.13	0.17	0.32	0.38	0.38	0.37	0.34	0.19	0.14	0.10	0.11
4.00	0.09	0.14	0.27	0.39	0.42	0.53	0.56	0.53	0.45	0.41	0.29	0.15	0.10
3.00	0.12	0.20	0.42	0.48	0.92	1.05	1.16	1.12	0.94	0.52	0.42	0.20	0.12
2.00	0.14	0.33	0.43	0.97	1.34	2.14	2.48	2.18	1.43	0.98	0.45	0.34	0.15
1.00	0.18	0.42	0.59	1.09	2.15	3.74	4.99	3.81	2.19	1.13	0.57	0.40	0.18
0.00	0.19	0.45	0.66	1.34	2.68	4.92	6.24	4.99	2.61	1.25	0.61	0.41	0.18
-1.00	0.17	0.41	0.59	1.16	2.26	3.91	5.02	3.79	2.23	1.11	0.57	0.40	0.18
-2.00	0.16	0.35	0.48	1.03	1.48	2.25	2.60	2.23	1.42	1.00	0.45	0.33	0.15
-3.00	0.13	0.21	0.44	0.56	0.99	1.12	1.25	1.10	0.99	0.51	0.42	0.20	0.12
-4.00	0.10	0.16	0.31	0.42	0.48	0.56	0.60	0.56	0.45	0.41	0.29	0.15	0.10
-5.00	0.12	0.11	0.15	0.20	0.34	0.39	0.41	0.39	0.33	0.19	0.14	0.10	0.11
-6.00	0.09	0.11	0.10	0.13	0.16	0.17	0.17	0.17	0.15	0.12	0.09	0.10	0.08
-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.) : 6.24

Illum. (Min.) : 0.07

Illum. (Avg.) : 0.77

All illuminance level values are in lux.



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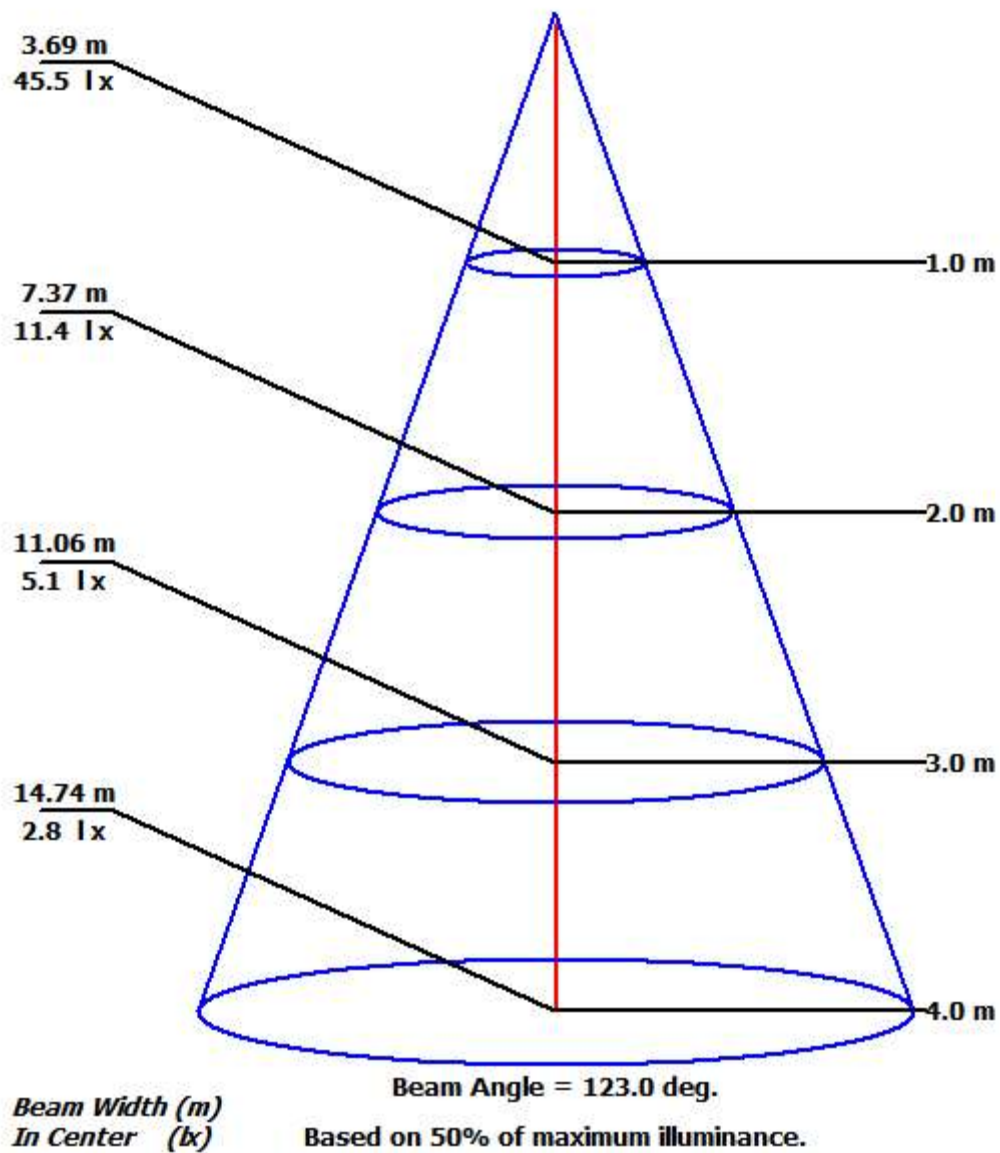
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Illuminance Cone Diagram





Luminaire

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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

