

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 NMP4 27K-24V-CPL-BK

5. Test Period : 200623 ~ 200623

6. Test Environment

* Ambient Temp. : 27.5 +- 3 °C
* Relative Humidity : 57.2 +- 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		0.4584 , 0.4079	
Correlated Color Temperature	K	2715	
Ra		91.78	
Power Factor		1.000	
Input Voltage	V	23.980	
Input Current	A	0.159	
Input Watt	W	3.8	
Lamp Flux	lm	234.9	
Efficient	lm/W	61.61	
luminous Intensity (Max , Center)	cd	68 , 67	
Illuminance	lx	67	1 m
		17	2 m
		7	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

Lamp flux (lm) 235

Total flux (lm) 235

Voltage (V) 23.98

Current (A) 0.159

Power Factor 1

Report

200623

Filename 200623 NMP4 27K-24V-CPL-BK.jdt

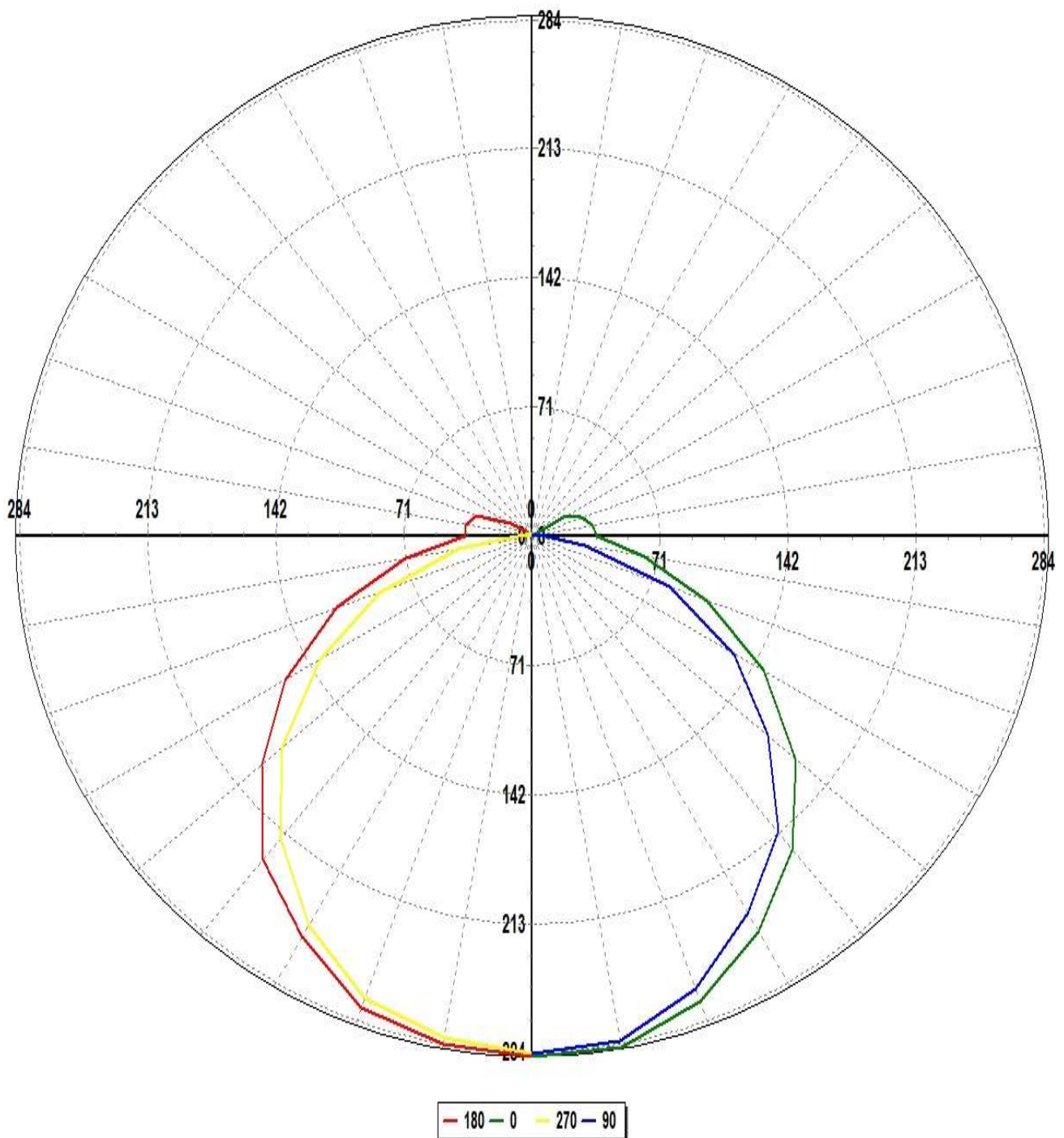
Operator

CGR

Date

2020-06-23 오후 5:35:31

Luminous Intensity Distribution



Luminaire

Lamp

Report

200623

No. of lamps 1

Voltage (V) 23.98

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Current (A) 0.159

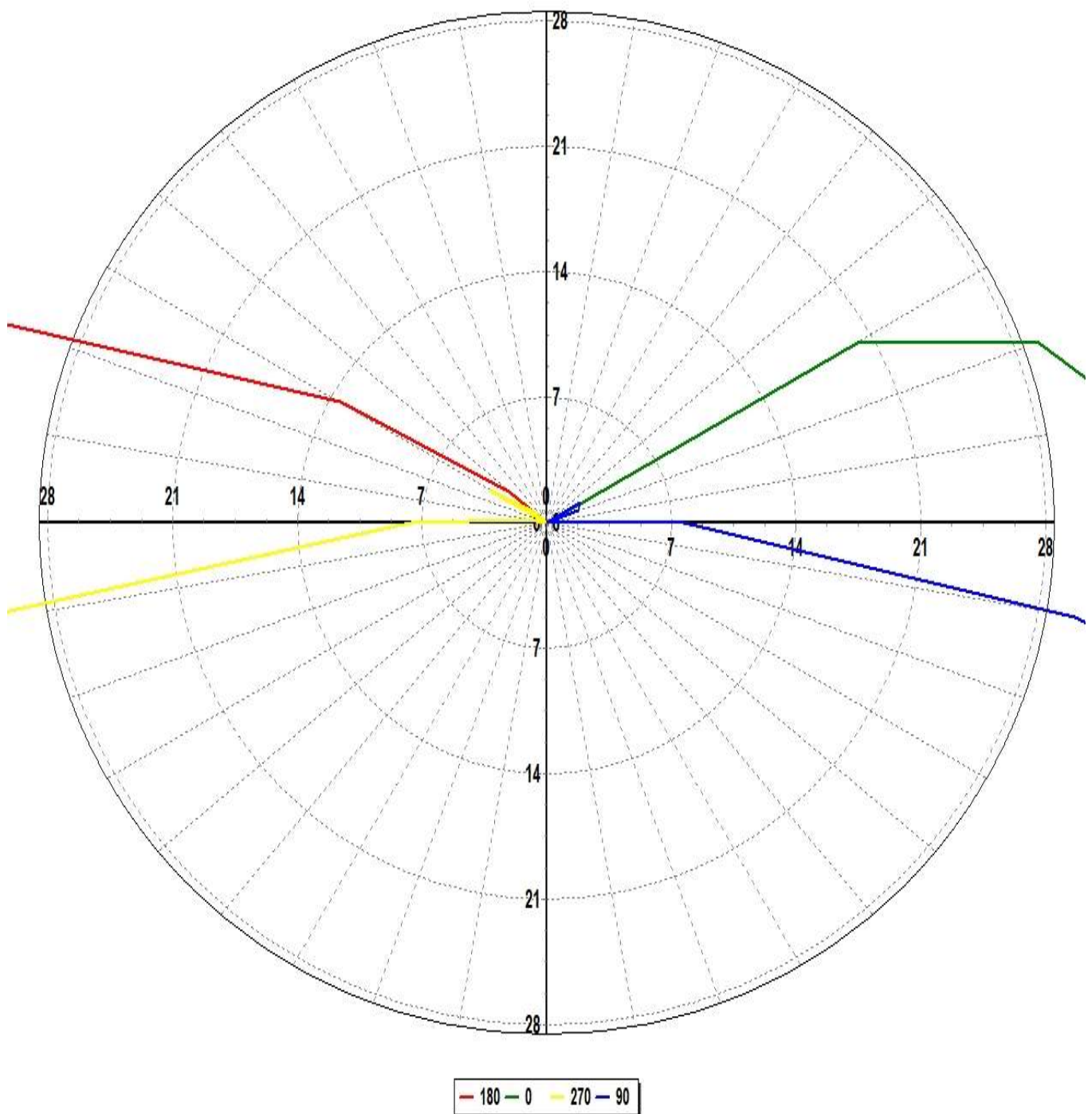
Operator CGR

Total flux (lm) 235

Power Factor 1

Date 2020-06-23 오후 5:35:31

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp				Report	200623
No. of lamps	1	Voltage (V)	23.98	Filename	200623 NMP4 27K-24V-CPL-BK.jdt
Lamp flux (lm)	235	Current (A)	0.159	Operator	CGR
Total flux (lm)	235	Power Factor	1	Date	2020-06-23 오후 5:35:31

Luminous Intensity Data

Maximum (cd) : 68

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	67.28	67.61	66.87	66.86	66.56	67.11	67.28	67.61	66.87	66.86	66.56	67.11	67.28
10	66.99	67.21	65.76	66.21	65.93	66.03	66.66	66.3	66.1	65.77	66.25	66.5	66.99
20	63.94	64.23	63.57	62.33	63.09	63.88	64.94	64.25	63.47	63.56	63.09	63.75	63.94
30	59.02	58.78	57.96	56.37	58.25	58.96	59.82	60.16	59.27	58.17	58.95	58.95	59.02
40	52.85	51.98	50.48	49.88	50.89	52.29	54.59	54.8	52.57	50.94	51.76	53.11	52.85
50	44.92	44.43	42.43	40.12	42.93	44.4	45.95	46.52	43.45	42.5	43.73	45.14	44.92
60	34.81	34.38	32.4	30.42	32.82	35.14	37.04	36.75	34.67	31.88	34.9	35.72	34.81
70	24.3	23.49	21.16	19.05	22.13	24.51	27.1	26.77	23.66	21.18	23.27	24.01	24.3
80	14.81	12.8	10.05	7.07	11.08	13.76	16.74	15.9	13.03	9.67	12.5	14.17	14.81
90	8.5	7.33	4.95	1.8	4.92	7.37	8.79	8.21	5.33	1.79	4.75	8.04	8.5
100	7.92	7.8	5.52	-0.05	4.62	7.41	8.78	7.56	4.45	0.28	4.48	7.19	7.92
110	6.91	6.37	4.54	0.45	4.47	6.78	7.68	6.78	4.61	-0.01	4.64	7.4	6.91
120	4.77	5.52	0.37	0.51	0.05	5.96	3.15	6.42	0.26	0.87	0.61	6.06	4.77
130	0.02	1.22	2.26	-0.07	2.77	0.1	0.64	1.81	1.98	0.22	2.75	1.88	0.02

Luminaire

Lamp

No. of lamps	1	Voltage (V)	23.98	Report	200623
Lamp flux (lm)	235	Current (A)	0.159	Filename	200623 NMP4 27K-24V-CPL-BK.jdt
Total flux (lm)	235	Power Factor	1	Operator	CGR
				Date	2020-06-23 오후 5:35:31

Luminous Flux Table

Total Lamp Lumens:	235
Luminaire Efficiency (lm/W):	234.91
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.60	1.60	0.68	0.68
10	12.61	14.21	6.05	6.05
20	23.85	38.07	16.21	16.20
30	32.16	70.22	29.90	29.89
40	36.73	106.96	45.53	45.53
50	36.81	143.77	61.21	61.20
60	32.48	176.25	75.03	75.03
70	24.07	200.32	85.28	85.27
80	13.62	213.94	91.08	91.07
90	6.55	220.49	93.87	93.86
100	5.93	226.42	96.39	96.38
110	5.20	231.62	98.60	98.60
120	2.73	234.35	99.77	99.76
130	0.56	234.91	100.01	100.00

Luminaire

Lamp

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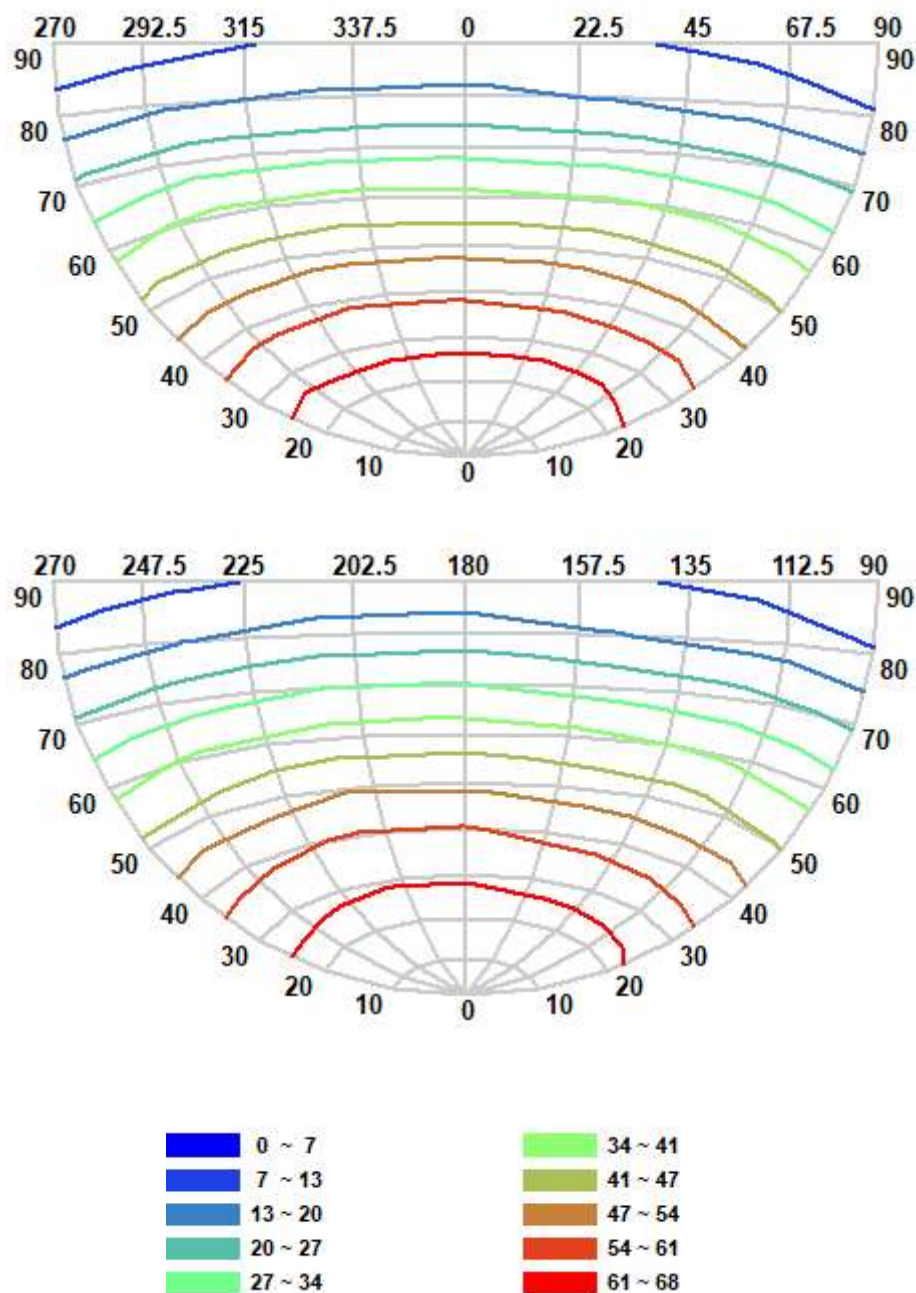
Operator CGR

Total flux (lm) 235

Power Factor 1

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IsoCandela (Type C)

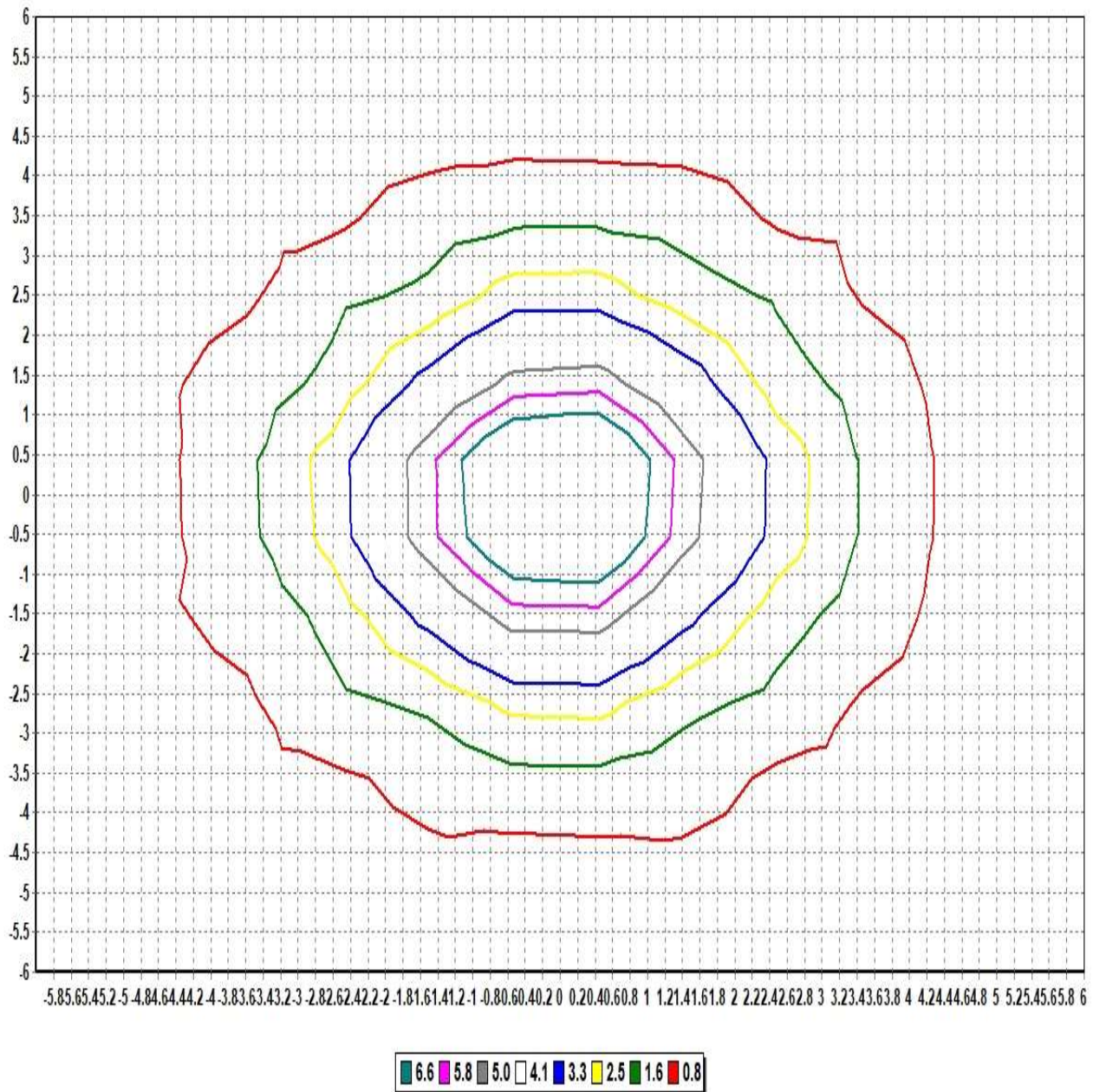


Luminaire

Lamp

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

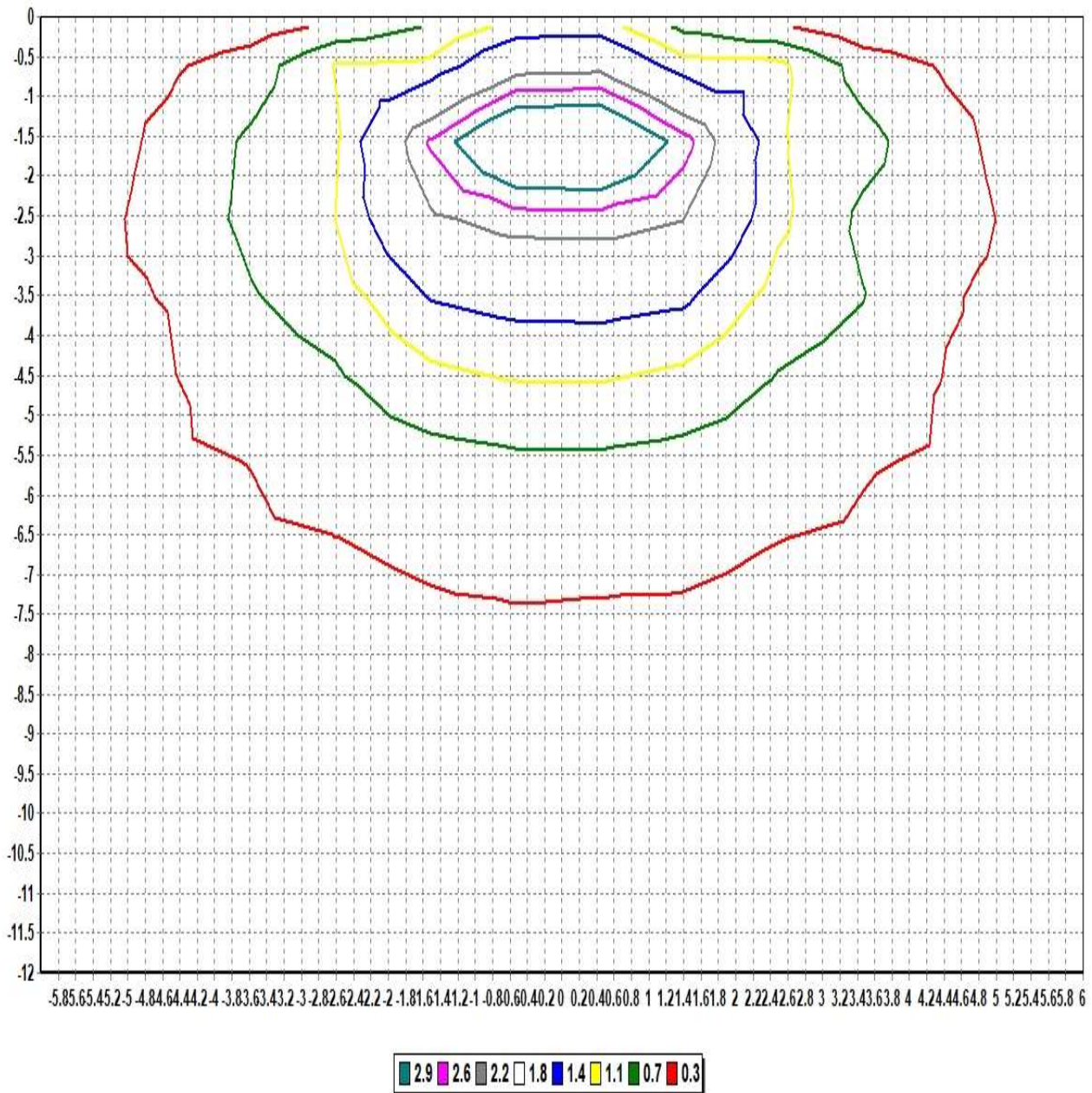
Total Optical Solution Provider

Luminaire

Lamp

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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)	235	Power Factor	1

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Illuminance Levels (Ground)

6.00	0.11	0.14	0.12	0.17	0.20	0.23	0.23	0.22	0.22	0.18	0.13	0.15	0.12
5.00	0.16	0.13	0.19	0.25	0.48	0.56	0.57	0.55	0.50	0.27	0.20	0.15	0.16
4.00	0.15	0.22	0.41	0.58	0.64	0.78	0.82	0.78	0.67	0.61	0.44	0.22	0.15
3.00	0.17	0.30	0.63	0.72	1.39	1.59	1.73	1.65	1.42	0.79	0.64	0.30	0.18
2.00	0.22	0.49	0.65	1.47	2.02	3.20	3.71	3.26	2.15	1.48	0.67	0.51	0.23
1.00	0.28	0.61	0.88	1.65	3.22	5.59	7.48	5.73	3.28	1.69	0.87	0.60	0.26
0.00	0.30	0.65	0.98	1.96	4.01	7.53	9.23	7.57	3.91	1.91	0.93	0.64	0.27
-1.00	0.27	0.61	0.88	1.75	3.44	5.82	7.43	5.69	3.27	1.68	0.87	0.60	0.26
-2.00	0.25	0.53	0.72	1.53	2.23	3.43	3.80	3.25	2.08	1.49	0.68	0.51	0.23
-3.00	0.21	0.32	0.66	0.83	1.48	1.72	1.81	1.64	1.43	0.76	0.64	0.30	0.18
-4.00	0.16	0.24	0.46	0.63	0.71	0.82	0.87	0.82	0.67	0.61	0.42	0.22	0.15
-5.00	0.17	0.17	0.22	0.30	0.52	0.57	0.60	0.58	0.50	0.27	0.20	0.14	0.16
-6.00	0.13	0.16	0.15	0.20	0.24	0.24	0.24	0.25	0.22	0.18	0.13	0.15	0.12
-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.) : 9.23

Illum. (Min.) : 0.11

Illum. (Avg.) : 1.16

All illuminance level values are in lux.



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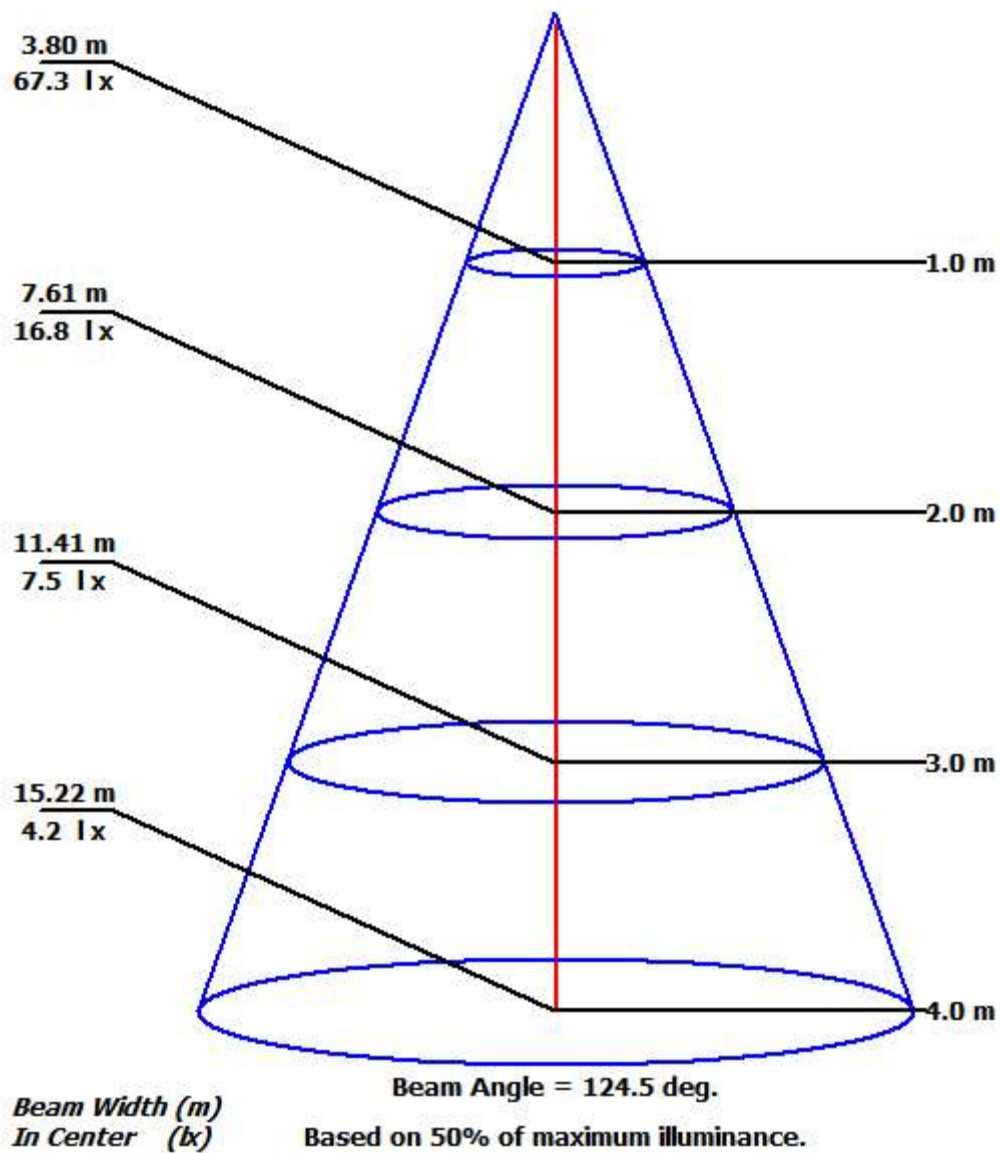
Operator CGR

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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

