

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 : 200629

2. Purpose of Report :**3. Number of Report :** 200629**4. Test Standard / Item :** / 200629 NMP5 27K-24V-CI-BK**5. Test Period :** 200629 ~ 200629**6. Test Environment**

* Ambient Temp. : 25.1 +- 3 °C
* Relative Humidity : 69.8 +- 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 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
200629	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4569 , 0.4074	
Correlated Color Temperature	K	2732	
Ra		92.05	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.209	
Input Watt	W	5.03	
Lamp Flux	lm	269.4	
Efficient	lm/W	53.71	
luminous Intensity (Max , Center)	cd	64 , 47	
Illuminance	lx	47	1 m
		12	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) 24

Lamp flux (lm) 269

Current (A) 0.209

Total flux (lm) 269

Power Factor 1

Report

200629

Filename 200629 NMP5 27K-24V-CI-BK.jdt

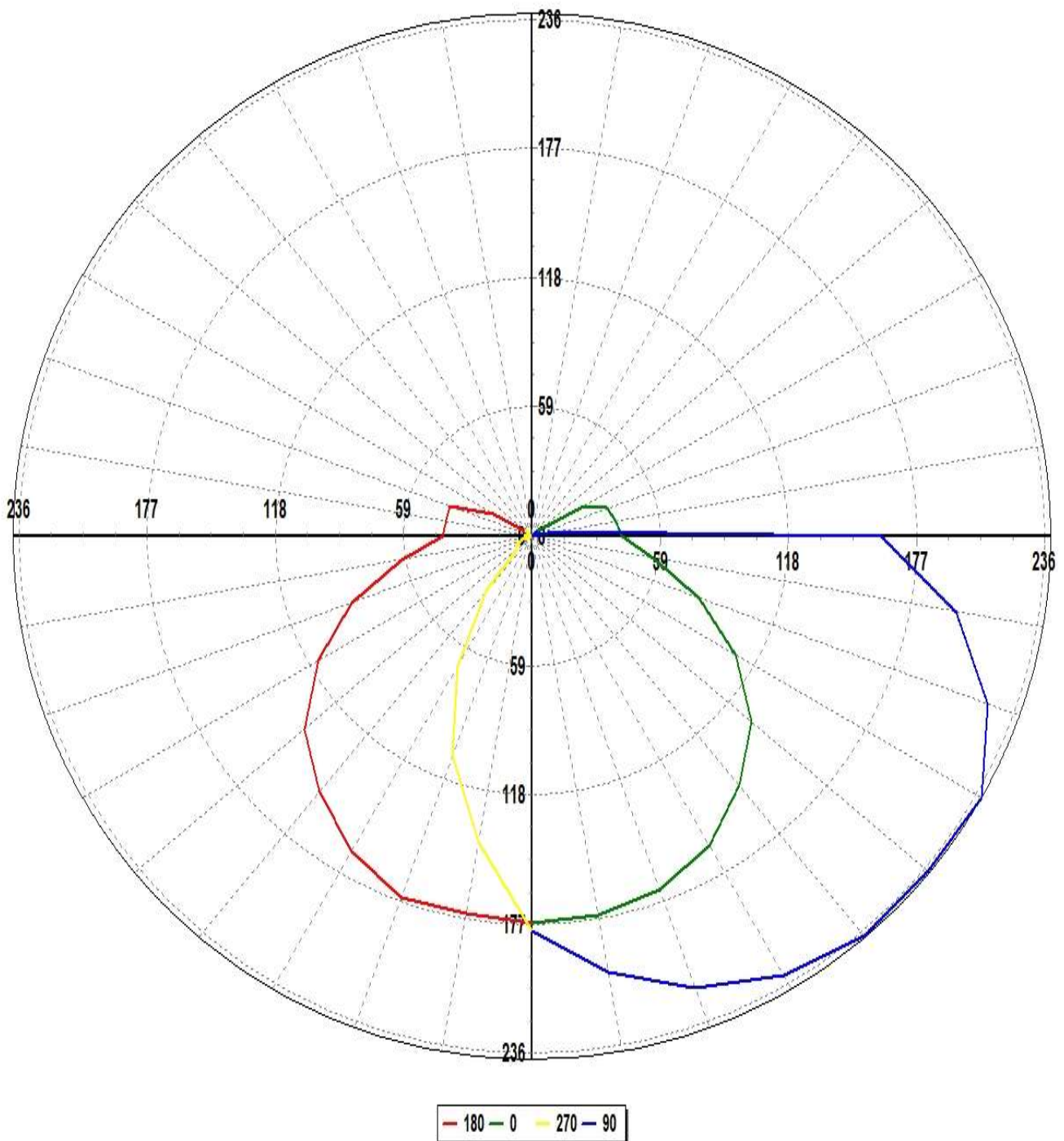
Operator

CGR

Date

2020-06-29 오후 12:00:44

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 269

Total flux (lm) 269

Voltage (V) 24

Current (A) 0.209

Power Factor 1

Report

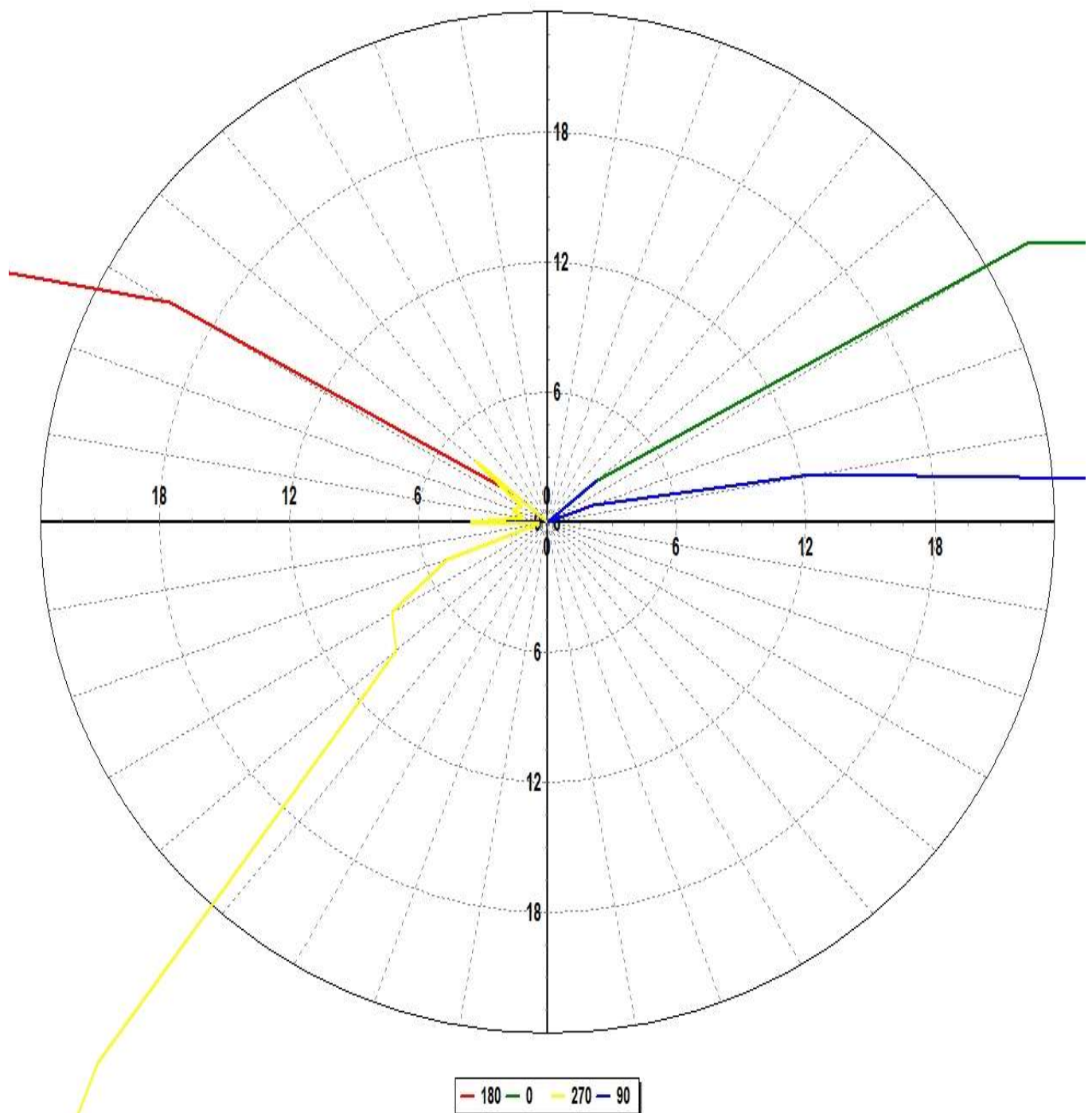
200629

Filename 200629 NMP5 27K-24V-CI-BK.jdt

Operator CGR

Date 2020-06-29 오후 12:00:44

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200629
Lamp flux (lm)	269	Current (A)	0.209	Filename	200629 NMP5 27K-24V-CI-BK.jdt
Total flux (lm)	269	Power Factor	1	Operator	CGR
				Date	2020-06-29 오후 12:00:44

Luminous Intensity Data

Maximum (cd) : 64

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	47.47	47.12	48.33	48.43	47.2	47.32	47.47	47.12	48.33	48.43	47.2	47.32	47.47
10	47.29	50.63	53.53	54.44	53.84	49.89	47.06	43.94	39.29	38.07	40.05	43.68	47.29
20	46.15	51.56	56.7	59.03	57.11	52.15	47.12	42.5	35.5	28.67	37.2	42.04	46.15
30	43.9	52.21	59.23	62.28	59.68	52.36	44.62	40.47	33.07	18.52	34.24	39.67	43.9
40	39.98	51.56	60.3	63.99	60.55	52.1	40.97	38.25	30.24	8.74	30.42	36.38	39.98
50	35.48	49.19	59.59	64.02	60.54	48.64	36.83	33.14	25.37	2.47	25.74	31.48	35.48
60	29.09	44.19	57.03	64.23	57.49	45.88	30.54	28.11	20.47	2.24	20.96	26.49	29.09
70	21.98	38.6	51.64	60.07	52.23	39.54	23.79	21.75	15.42	1.32	14.35	19.28	21.98
80	15.31	32.11	45.9	53.34	47.57	32.83	16.34	14.51	10.25	0.11	8.52	13.11	15.31
90	11.15	29.56	41.82	43.26	42.58	28.16	11.1	9.28	4.67	0.97	5.33	8.79	11.15
100	10.6	27.38	38.79	3.37	40.42	26.4	10.77	8.67	4.99	0.32	4.64	8.67	10.6
110	9.96	25.37	34.85	0.6	35.76	25.15	10.86	8.34	4.53	0.46	4.86	7.64	9.96
120	6.96	22.06	22.37	-0.1	22.37	21.44	5.45	7.99	2.03	0.37	1.29	7.19	6.96
130	0.77	4.78	5.8	0.81	8.04	5.24	0.54	3.1	2.77	1.19	1.62	3.63	0.77



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200629
Lamp flux (lm)	269	Current (A)	0.209	Filename	200629 NMP5 27K-24V-CI-BK.jdt
Total flux (lm)	269	Power Factor	1	Operator	CGR
				Date	2020-06-29 오후 12:00:44

Luminous Flux Table

Total Lamp Lumens:	269
Luminaire Efficiency (lm/W):	269.36
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.14	1.14	0.42	0.42
10	8.90	10.04	3.73	3.73
20	17.35	27.39	10.17	10.17
30	24.65	52.04	19.32	19.32
40	30.12	82.17	30.50	30.50
50	33.04	115.20	42.76	42.77
60	33.73	148.93	55.28	55.29
70	30.87	179.80	66.74	66.75
80	26.06	205.86	76.41	76.43
90	21.60	227.46	84.43	84.45
100	16.63	244.09	90.61	90.62
110	14.44	258.53	95.97	95.98
120	9.44	267.97	99.47	99.48
130	1.39	269.36	99.99	100.00

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200629

Lamp flux (lm) 269

Current (A) 0.209

Filename 200629 NMP5 27K-24V-CI-BK.jdt

Total flux (lm) 269

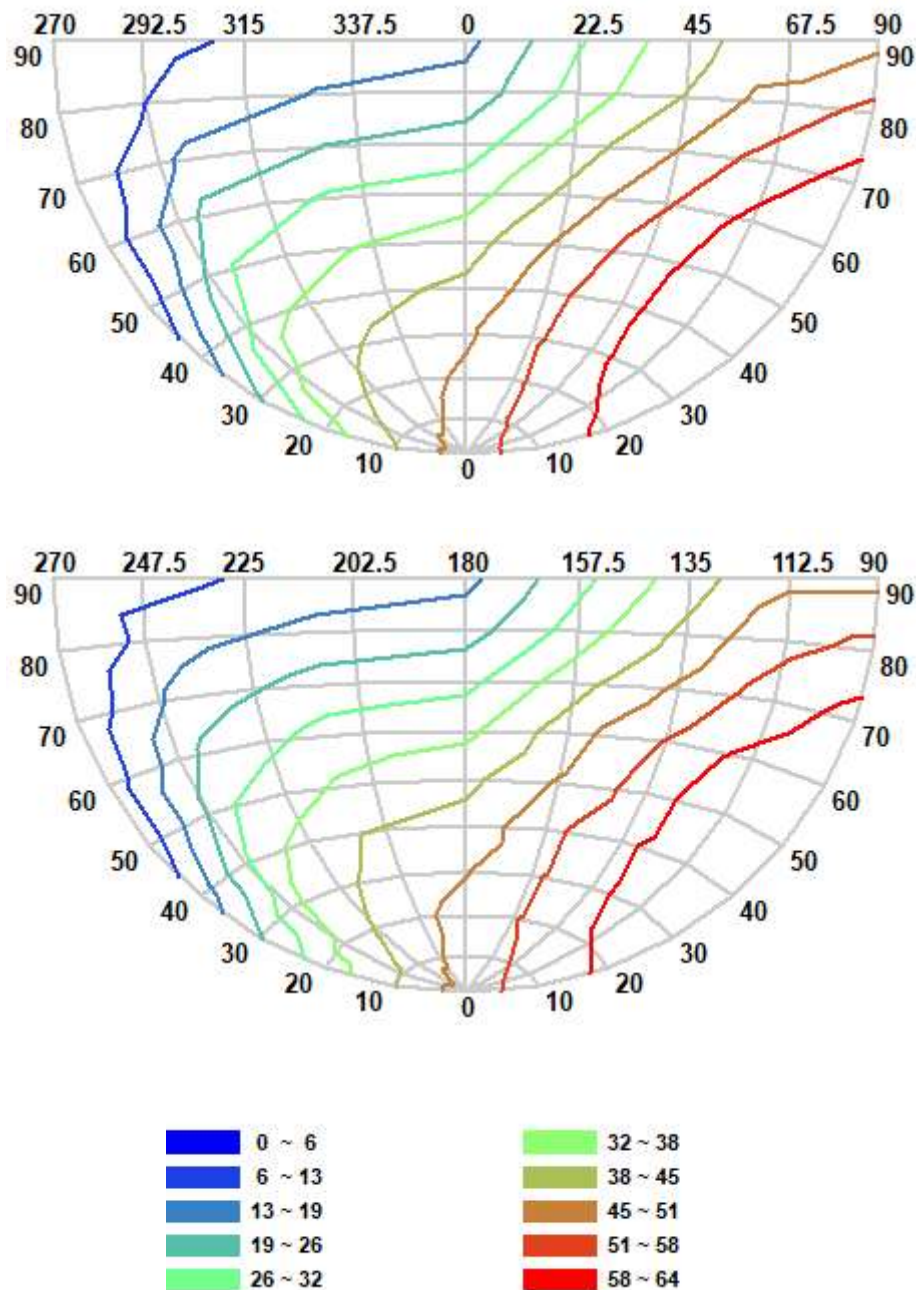
Power Factor 1

Operator

CGR

Date 2020-06-29 오후 12:00:44

IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200629

Lamp flux (lm) 269

Current (A) 0.209

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Total flux (lm) 269

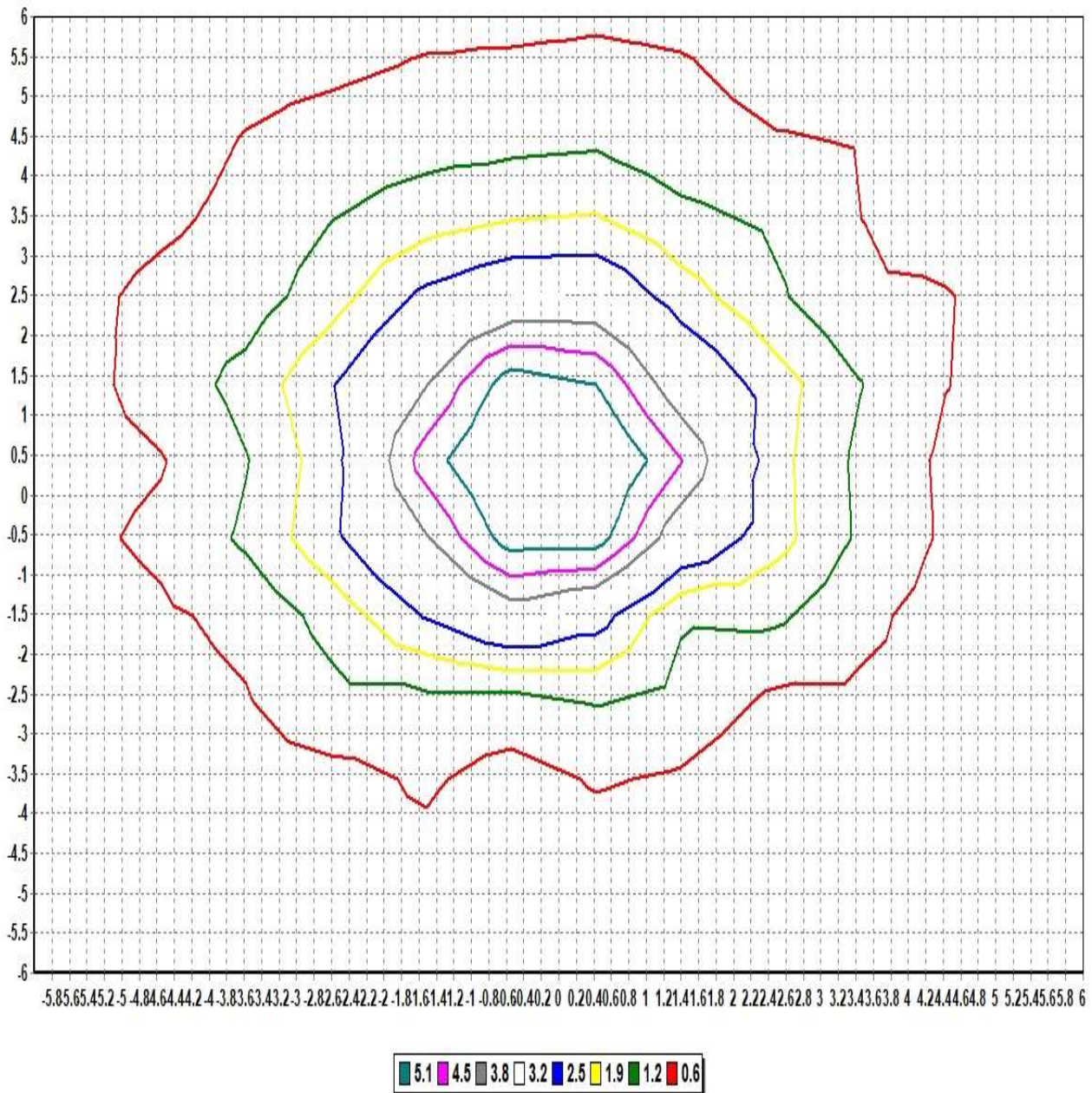
Power Factor 1

Operator

CGR

Date 2020-06-29 오후 12:00:44

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200629

Lamp flux (lm) 269

Current (A) 0.209

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Total flux (lm) 269

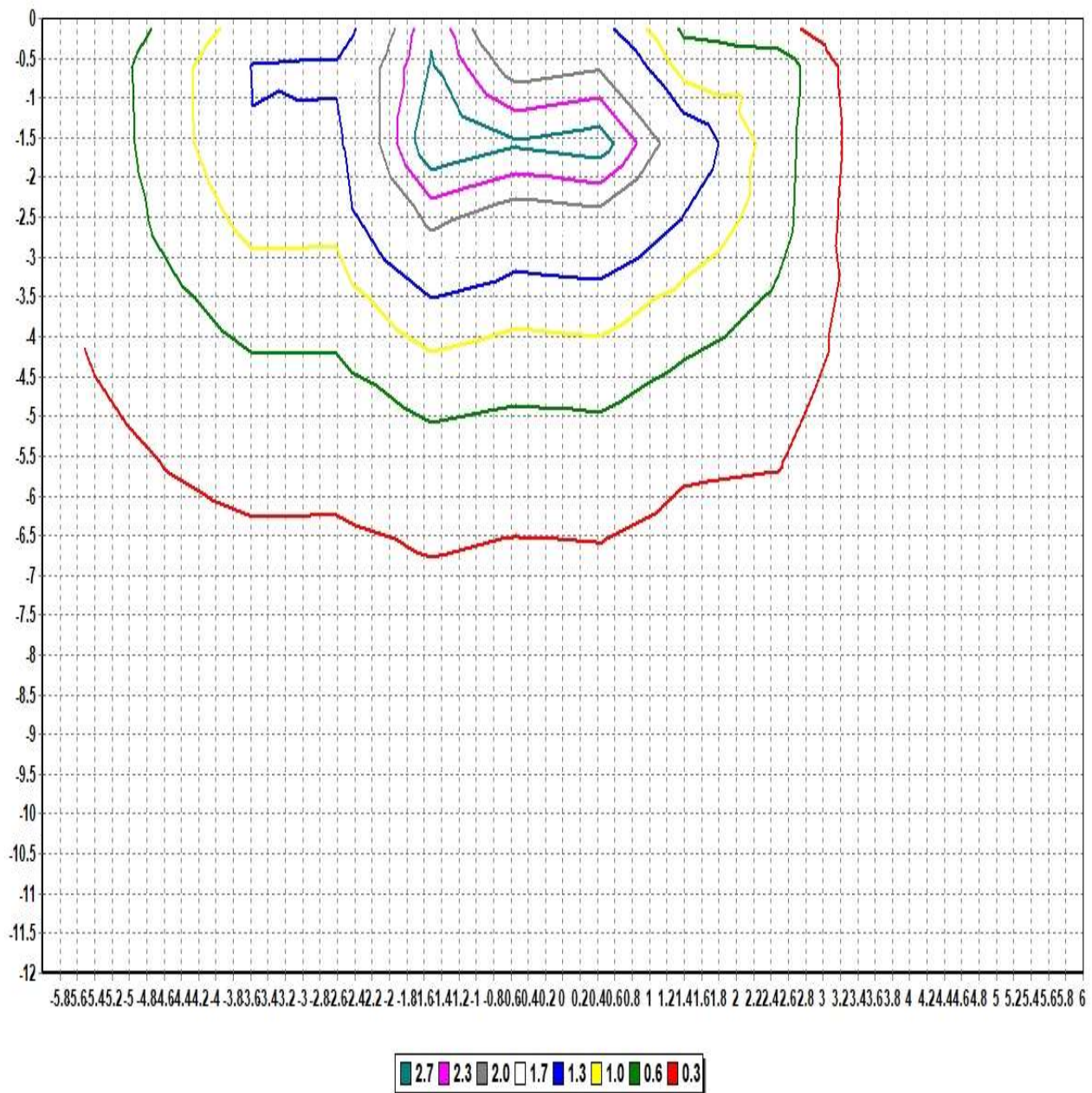
Power Factor 1

Operator

CGR

Date 2020-06-29 오후 12:00:44

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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Illuminance Levels (Ground)

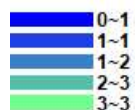
6.00	0.23	0.29	0.35	0.39	0.47	0.52	0.59	0.54	0.38	0.29	0.30	0.25	0.13
5.00	0.23	0.35	0.48	0.63	0.75	0.86	0.94	0.87	0.62	0.55	0.40	0.19	0.16
4.00	0.25	0.36	0.68	0.93	1.11	1.37	1.54	1.38	0.87	0.83	0.44	0.23	0.14
3.00	0.37	0.44	0.75	1.30	1.88	2.32	2.63	2.00	1.74	0.81	0.55	0.26	0.27
2.00	0.41	0.70	1.07	1.54	2.81	3.82	4.51	3.29	1.97	1.18	0.82	0.54	0.28
1.00	0.29	0.57	0.88	2.10	3.73	5.75	6.18	4.60	3.15	1.65	0.67	0.45	0.21
0.00	0.25	0.53	0.79	1.55	3.01	5.32	6.51	5.35	2.94	1.49	0.76	0.51	0.24
-1.00	0.34	0.61	0.90	1.31	2.42	4.11	4.27	2.66	1.96	1.06	0.67	0.46	0.22
-2.00	0.20	0.40	0.55	1.16	1.66	2.34	0.86	1.76	0.73	1.01	0.42	0.32	0.15
-3.00	0.17	0.27	0.52	0.65	0.88	1.14	0.15	0.64	0.28	0.26	0.43	0.23	0.12
-4.00	0.14	0.20	0.36	0.39	0.53	0.26	0.06	0.29	0.37	0.11	0.14	0.16	0.11
-5.00	0.14	0.15	0.15	0.18	0.36	0.15	0.04	0.23	0.22	0.02	0.05	0.05	0.11
-6.00	0.11	0.11	0.10	0.16	0.18	0.06	0.02	0.11	0.09	0.10	0.02	0.04	0.04
-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.) : 6.51

Illum. (Min.) : 0.02

Illum. (Avg.) : 0.97

All illuminance level values are in lux.

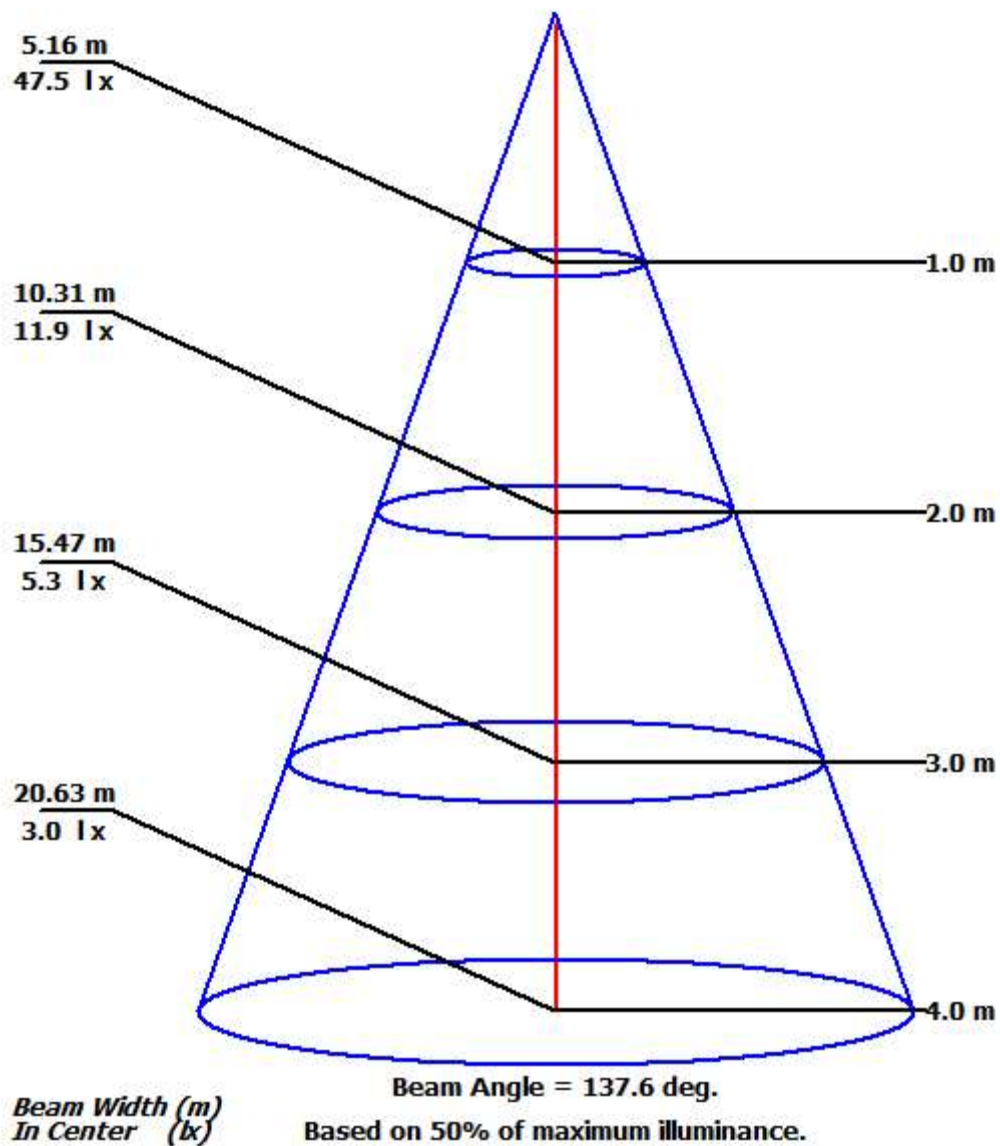


Luminaire

Lamp

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Illuminance Cone Diagram





Luminaire

Lamp

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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

