

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 : 200604

2. Purpose of Report :

3. Number of Report : 200604

4. Test Standard / Item : / 200604 NMP4 57K-24V-CPL-BK

5. Test Period : 200604 ~ 200604

6. Test Environment

* Ambient Temp. : 24.7 +- 3 °C
* Relative Humidity : 66.6 +- 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
200604	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3261 , 0.3326	
Correlated Color Temperature	K	5797	
Ra		92.26	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.160	
Input Watt	W	3.83	
Lamp Flux	lm	283	
Efficient	lm/W	73.70	
luminous Intensity (Max , Center)	cd	81 , 81	
Illuminance	lx	81	1 m
		20	2 m
		9	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

Report

200604

Lamp flux (lm) 283

Current (A) 0.16

Filename 200604 NMP4 57K-24V-CPL-BK.jdt

Total flux (lm) 283

Power Factor 1

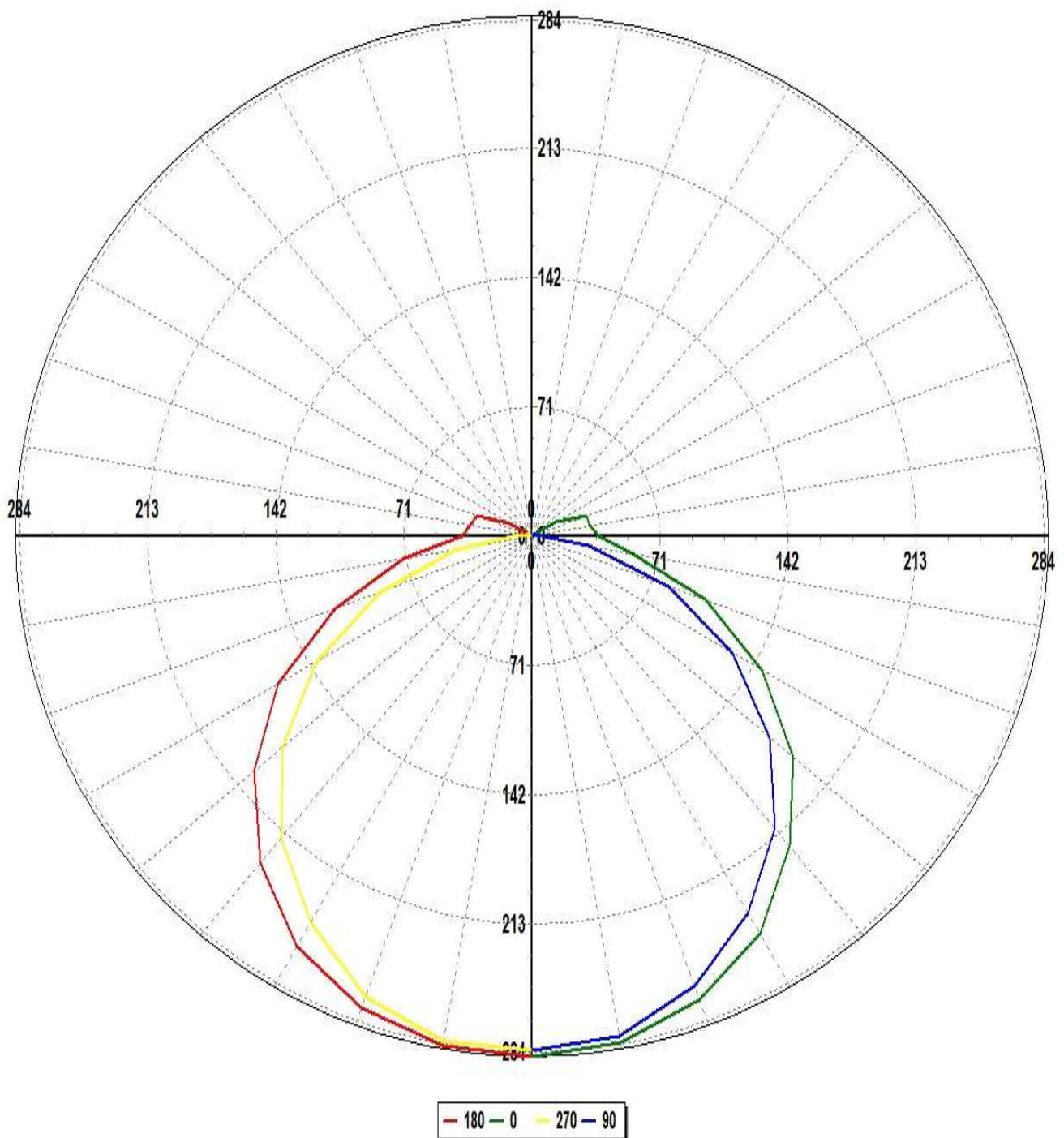
Operator

CGR

Date

2020-06-04 오후 4:18:42

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 283

Current (A) 0.16

Filename 200604 NMP4 57K-24V-CPL-BK.jdt

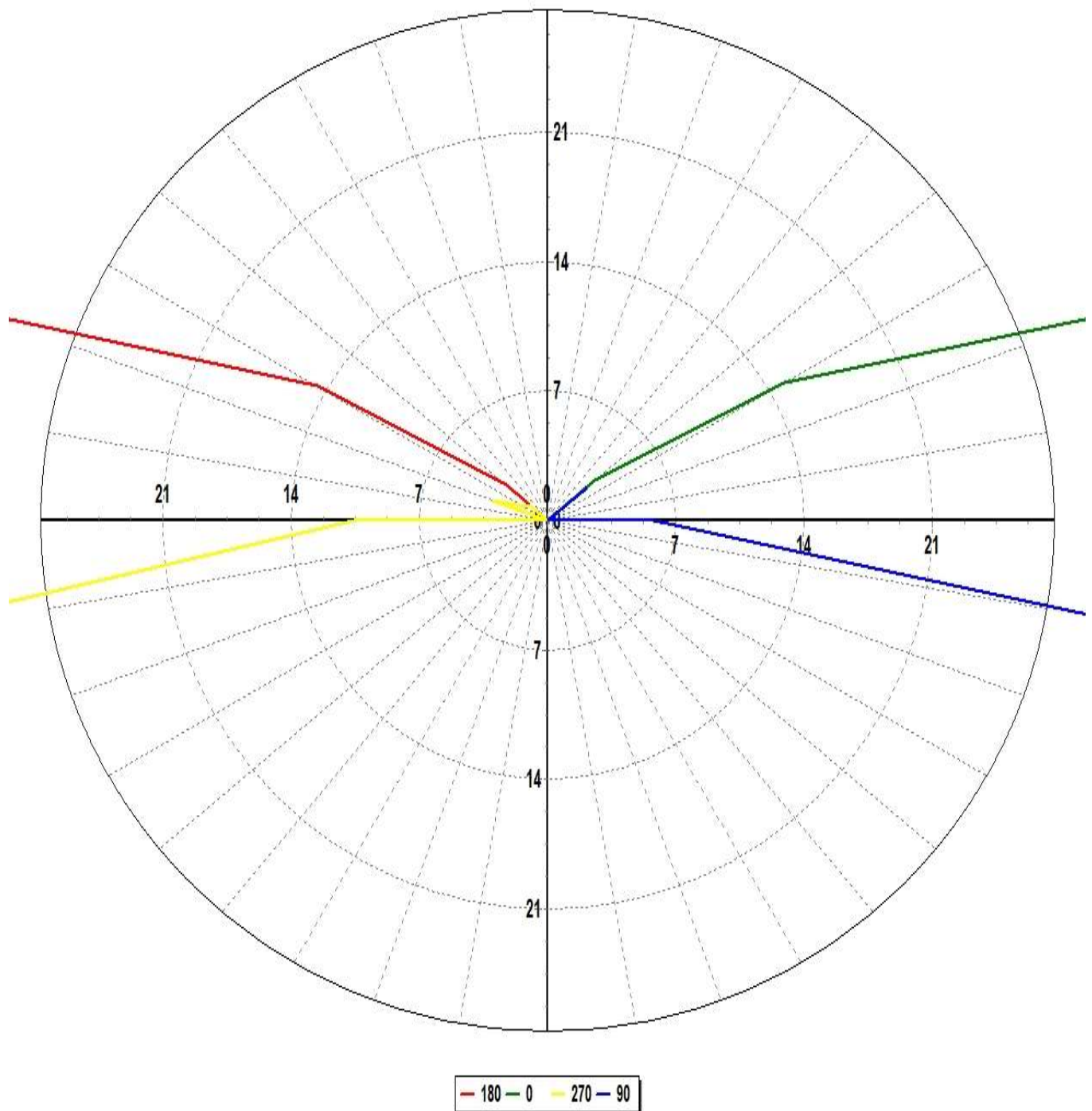
Total flux (lm) 283

Power Factor 1

Operator CGR

Date 2020-06-04 오후 4:18:42

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp				Report	200604
No. of lamps	1	Voltage (V)	24	Filename	200604 NMP4 57K-24V-CPL-BK.jdt
Lamp flux (lm)	283	Current (A)	0.16	Operator	CGR
Total flux (lm)	283	Power Factor	1	Date	2020-06-04 오후 4:18:42

Luminous Intensity Data

Maximum (cd) : 81
Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	81.02	80.65	80.62	80.1	80.56	80.18	81.02	80.65	80.62	80.1	80.56	80.18	81.02
10	80.02	79.58	79.03	78.95	78.91	79.42	80.51	80	80.1	79.89	79.74	78.92	80.02
20	76.74	75.97	75.71	74.56	75.55	75.68	78.24	77.61	76.01	76.28	75.86	76.3	76.74
30	71.57	70.91	69.61	67.88	69.57	70.74	73.64	72.13	71.14	69.53	69.6	71.99	71.57
40	62.93	61.99	61.21	59.23	61.7	63.15	66.22	65.55	62.79	61.11	61.9	63.57	62.93
50	53.52	52.23	50.32	48.74	51.78	53.86	56.92	55.8	53.34	50.96	52.14	53.5	53.52
60	41.57	41.14	39.08	36.34	39.31	42.95	45.87	45.41	41.47	39.06	41.24	42.29	41.57
70	28.87	27.67	25.04	22.86	26.71	30.2	32.9	32.51	28.82	25.48	27.17	29.53	28.87
80	16.02	14.98	12.11	9.06	13.7	16.95	20.41	18.85	16.14	12.3	14.37	17.16	16.02
90	10.47	8.88	6.2	1.63	5.35	10.06	10.92	10.54	6.9	2.98	6.46	9.56	10.47
100	9.23	8.57	6.15	-0.31	5.85	9.65	9.9	9.8	5.33	-0.11	6.16	9.21	9.23
110	9.2	8.71	4.64	0.03	5.51	8.16	9.2	8.75	5.41	0.91	5.2	8.7	9.2
120	4.23	7.53	0.47	-0.25	0.51	7.4	4.1	8.17	1.18	0.41	0.95	7.17	4.23
130	0.95	1.03	2.99	0.79	2.64	0.61	0.83	2.37	3.09	0.37	2.48	1.99	0.95

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	283	Current (A)	0.16	Filename	200604 NMP4 57K-24V-CPL-BK.jdt
Total flux (lm)	283	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 4:18:42

Luminous Flux Table

Total Lamp Lumens:	283
Luminaire Efficiency (lm/W):	282.95
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.93	1.93	0.68	0.68
10	15.14	17.06	6.03	6.03
20	28.55	45.61	16.12	16.12
30	38.71	84.32	29.80	29.80
40	44.08	128.40	45.37	45.38
50	44.26	172.67	61.01	61.02
60	39.18	211.85	74.86	74.87
70	28.97	240.82	85.09	85.11
80	16.36	257.18	90.88	90.89
90	8.21	265.39	93.78	93.79
100	7.14	272.53	96.30	96.32
110	6.38	278.91	98.56	98.57
120	3.31	282.22	99.73	99.74
130	0.73	282.95	99.98	100.00

Luminaire

Lamp

Report

200604

No. of lamps 1

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Filename 200604 NMP4 57K-24V-CPL-BK.jdt

Lamp flux (lm) 283

Current (A) 0.16

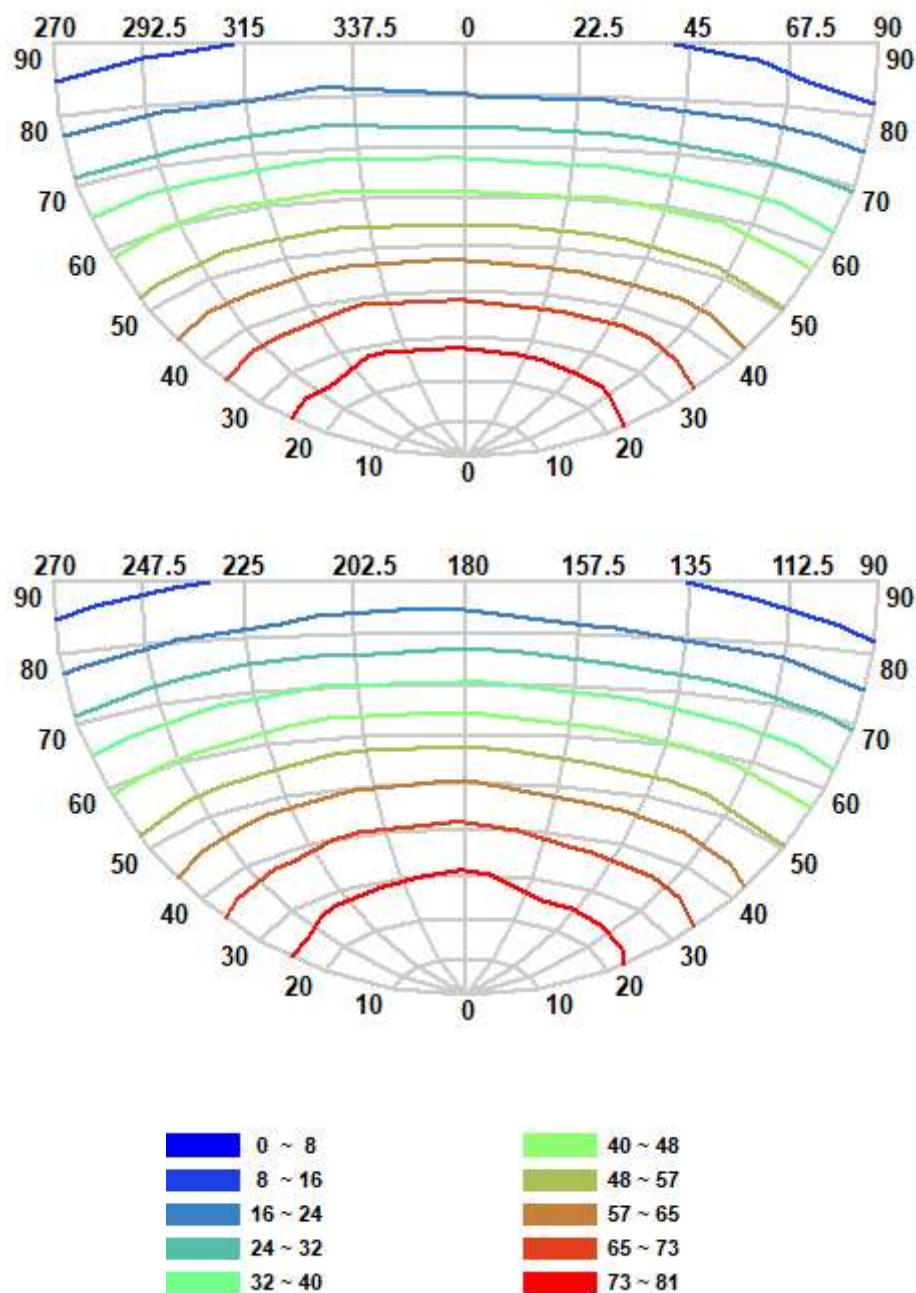
Operator CGR

Total flux (lm) 283

Power Factor 1

Date 2020-06-04 오후 4:18:42

IsoCandela (Type C)



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 283

Current (A) 0.16

Filename 200604 NMP4 57K-24V-CPL-BK.jdt

Total flux (lm) 283

Power Factor 1

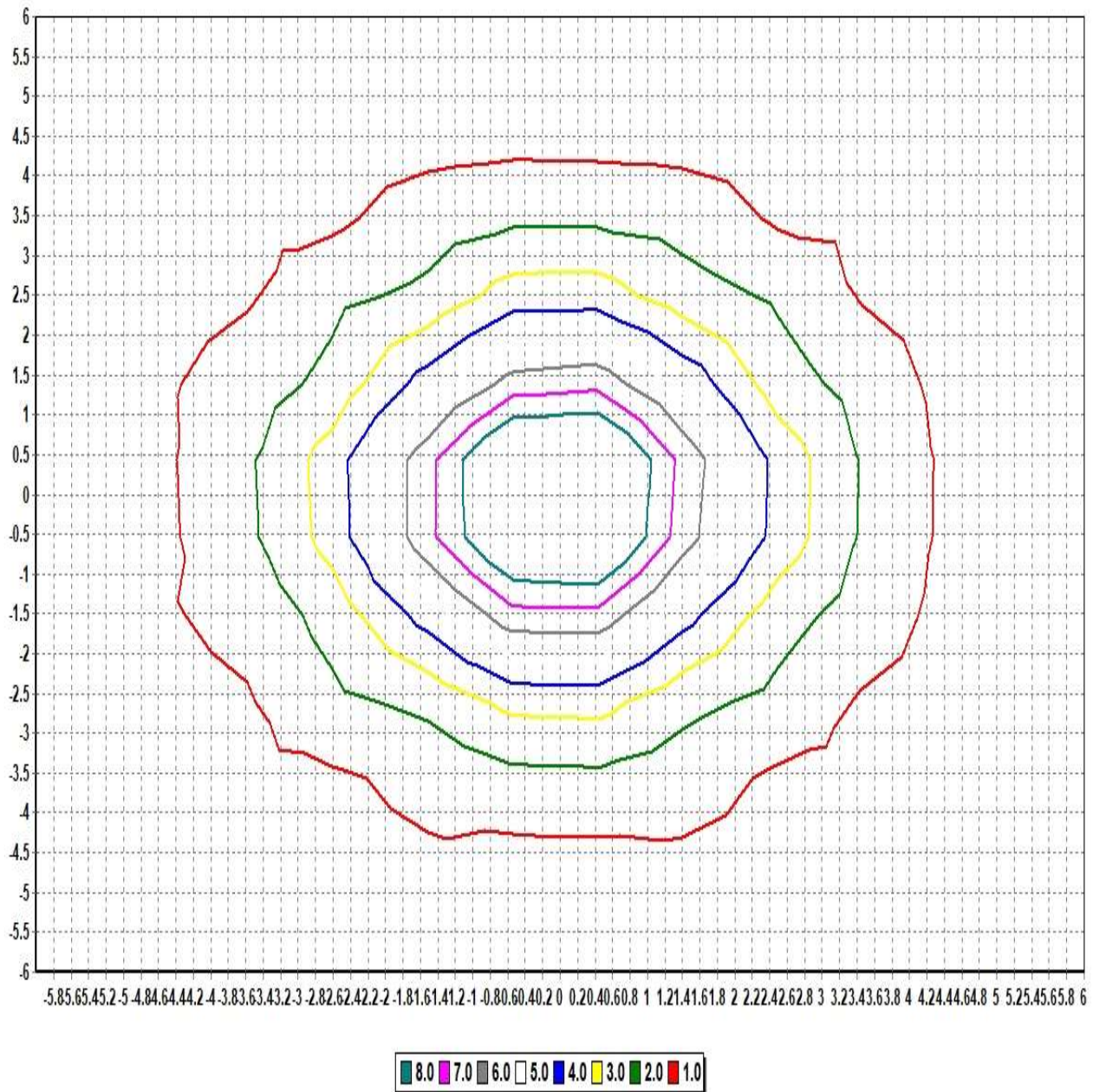
Operator

CGR

Date

2020-06-04 오후 4:18:42

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

200604

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Voltage (V) 24

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Lamp flux (lm) 283

Current (A) 0.16

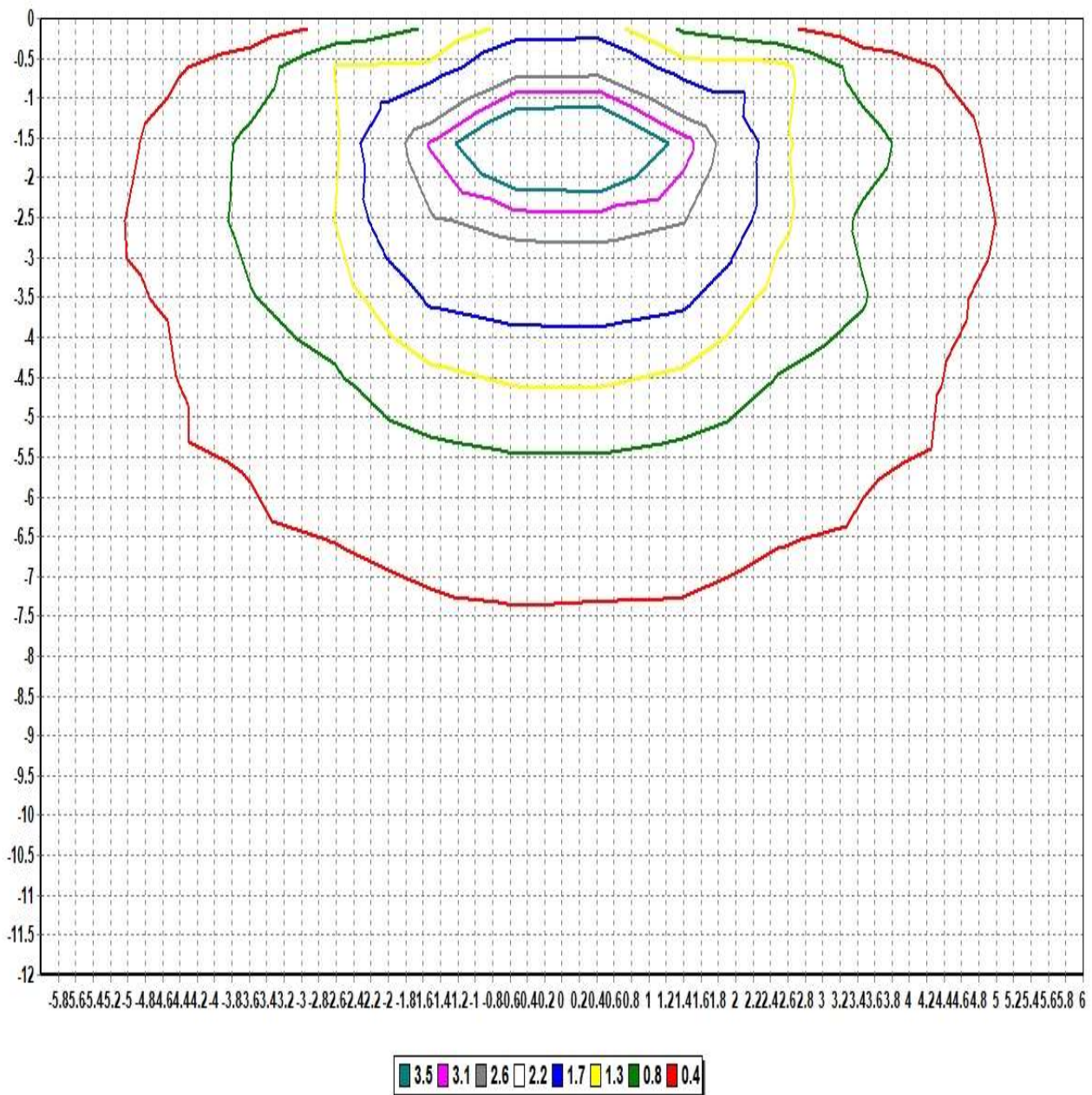
Operator CGR

Total flux (lm) 283

Power Factor 1

Date 2020-06-04 오후 4:18:42

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)	283	Current (A)	0.16
Total flux (lm)	283	Power Factor	1

Report

200604

Filename 200604 NMP4 57K-24V-CPL-BK.jdt

Operator

CGR

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Illuminance Levels (Ground)

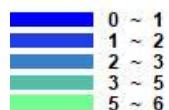
6.00	0.13	0.17	0.14	0.21	0.24	0.27	0.27	0.26	0.26	0.21	0.15	0.18	0.15
5.00	0.19	0.16	0.22	0.30	0.58	0.66	0.69	0.66	0.59	0.32	0.24	0.18	0.19
4.00	0.18	0.26	0.49	0.70	0.76	0.94	0.99	0.93	0.80	0.72	0.52	0.26	0.17
3.00	0.21	0.37	0.76	0.87	1.66	1.92	2.09	1.95	1.71	0.94	0.76	0.36	0.22
2.00	0.27	0.60	0.78	1.77	2.44	3.87	4.43	3.90	2.55	1.77	0.80	0.60	0.27
1.00	0.34	0.75	1.08	1.99	3.90	6.70	8.91	6.91	3.91	2.00	1.03	0.72	0.31
0.00	0.36	0.81	1.21	2.41	4.90	9.10	11.11	9.04	4.69	2.27	1.11	0.76	0.32
-1.00	0.33	0.74	1.08	2.13	4.13	7.06	9.02	6.78	3.91	2.00	1.03	0.72	0.31
-2.00	0.30	0.65	0.88	1.87	2.70	4.10	4.56	3.89	2.49	1.78	0.81	0.60	0.27
-3.00	0.25	0.40	0.81	1.03	1.78	2.08	2.18	1.96	1.71	0.91	0.76	0.36	0.22
-4.00	0.20	0.29	0.57	0.77	0.87	0.99	1.05	1.00	0.80	0.73	0.51	0.26	0.18
-5.00	0.21	0.21	0.27	0.36	0.64	0.69	0.72	0.70	0.59	0.33	0.24	0.17	0.19
-6.00	0.16	0.20	0.18	0.25	0.29	0.29	0.30	0.30	0.26	0.21	0.16	0.18	0.14
-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.) : 11.1

Illum. (Min.) : 0.13

Illum. (Avg.) : 1.39

All illuminance level values are in lux.

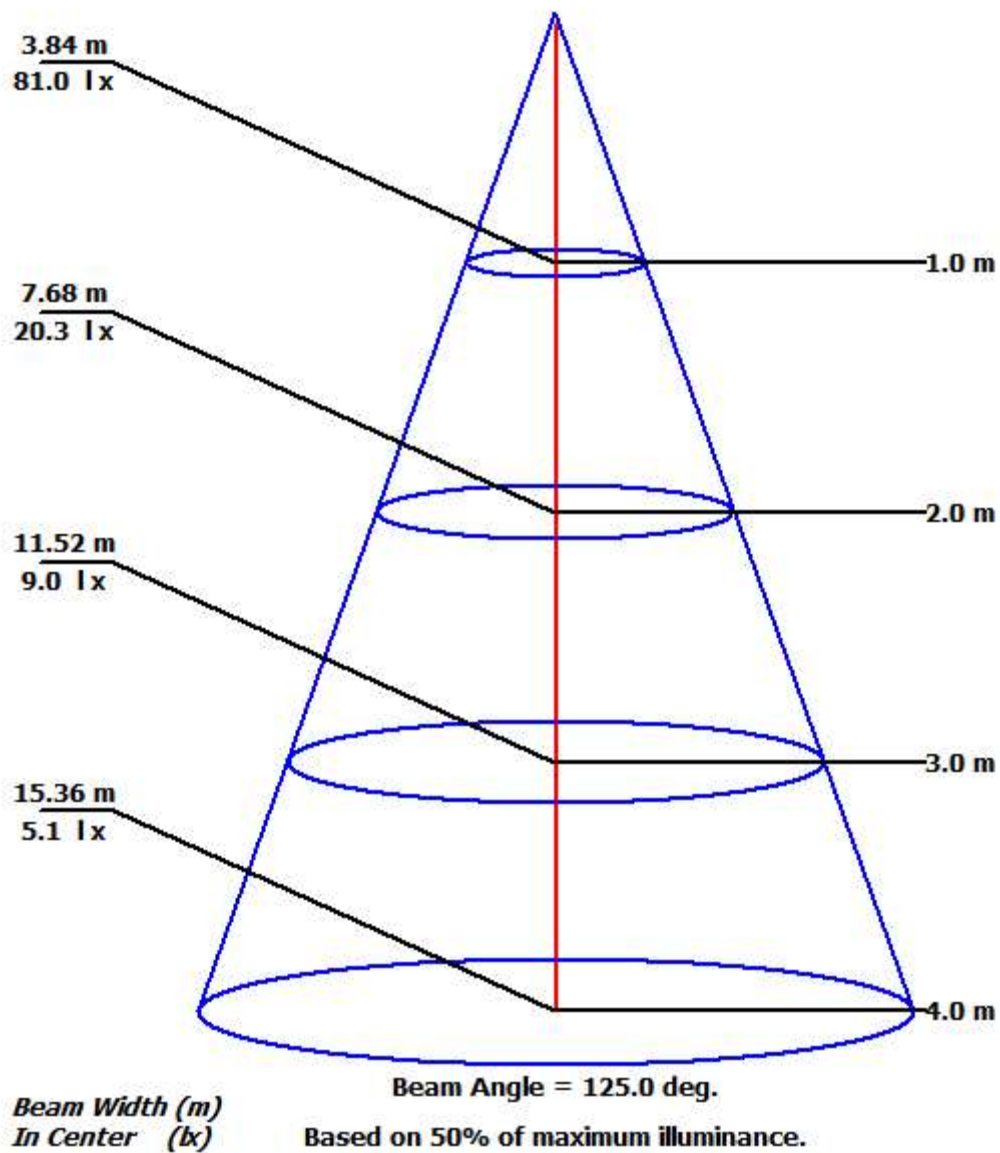


Luminaire

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

