

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 40K-24V-CPL-BK

5. Test Period : 200604 ~ 200604

6. Test Environment

* Ambient Temp. : 24.6 +- 3 °C
* Relative Humidity : 66.7 +- 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		0.3801 , 0.3740	
Correlated Color Temperature	K	3999	
Ra		92.78	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.160	
Input Watt	W	3.84	
Lamp Flux	lm	263.1	
Efficient	lm/W	68.52	
luminous Intensity (Max , Center)	cd	76 , 76	
Illuminance	lx	76	1 m
		19	2 m
		8	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) 263

Current (A) 0.16

Filename 200604 NMP4 40K-24V-CPL-BK.jdt

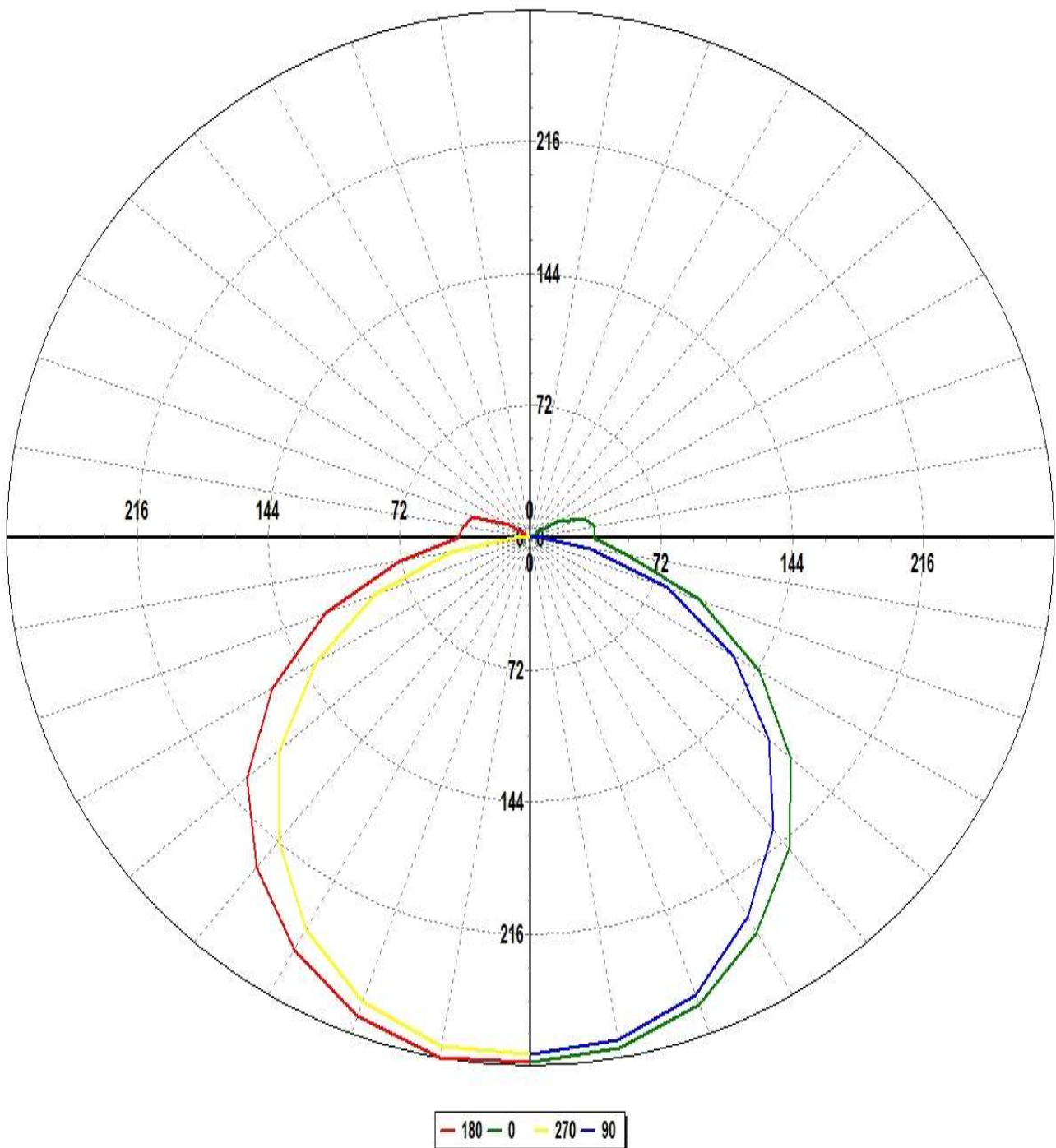
Total flux (lm) 263

Power Factor 1

Operator CGR

Date 2020-06-04 오후 4:06:06

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 263

Current (A) 0.16

Filename 200604 NMP4 40K-24V-CPL-BK.jdt

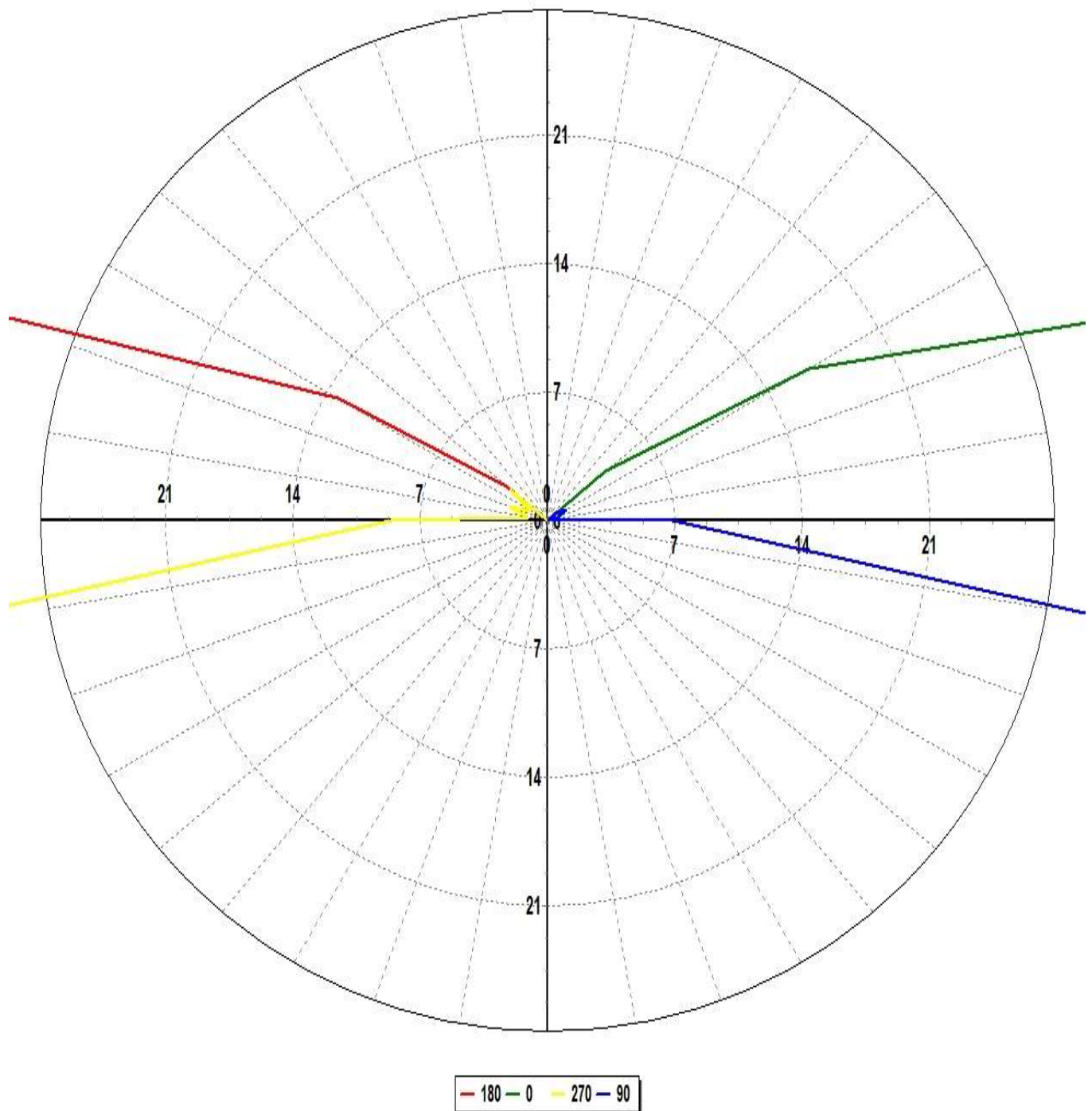
Total flux (lm) 263

Power Factor 1

Operator CGR

Date 2020-06-04 오후 4:06:06

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	263	Current (A)	0.16	Filename	200604 NMP4 40K-24V-CPL-BK.jdt
Total flux (lm)	263	Power Factor	1	Operator	CGR
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Luminous Intensity Data

Maximum (cd) : 76

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	75.17	75.61	74.9	74.1	74.89	74.36	75.17	75.61	74.9	74.1	74.89	74.36	75.17
10	74.38	74.84	73.78	73.03	74.59	74.16	75.67	74.85	74.51	73.97	73.94	73.77	74.38
20	71.36	70.35	70.95	69.85	70.1	70.8	73.02	72.83	71.1	70.82	70.71	70.76	71.36
30	65.38	64.23	64.29	62.86	64.72	65.93	68.27	67.79	66.32	64.8	65.16	65.99	65.38
40	58.21	58.2	56.03	54.56	57.31	59.58	61.57	61.04	58.77	56.66	57.83	58.69	58.21
50	49.21	48.47	46.36	44.95	47.79	49.81	53.44	53.42	49.31	47.32	48.4	49.72	49.21
60	38.1	38.08	35.8	33.88	37	39.86	43	42.48	39.15	35.83	37.99	39.89	38.1
70	25.8	25.68	23.03	21.11	25.48	27.63	31.44	31.12	27.66	23.74	25.37	27.48	25.8
80	14.26	13.72	11.5	8.82	12.78	16.86	19.33	18.58	14.43	11.61	12.74	15.73	14.26
90	9.14	8.56	5.97	1.8	5.27	9.08	10.42	10.16	6.68	2.27	5.77	8.25	9.14
100	9.41	7.97	4.98	0	5.39	7.67	9.9	7.98	6.75	0.29	5.4	8.36	9.41
110	8.33	7.64	4.89	0.16	4.77	7.91	8.87	7.71	5.11	0.59	4.88	7.56	8.33
120	4.36	6.59	0.52	0.31	-0.27	7.19	3.5	7.59	0.15	0.28	0.63	6.62	4.36
130	1.1	1.53	2.32	0.16	2.31	1.08	0.77	2.19	2.86	0.71	2.76	1.95	1.1

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	263	Current (A)	0.16	Filename	200604 NMP4 40K-24V-CPL-BK.jdt
Total flux (lm)	263	Power Factor	1	Operator	CGR
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Luminous Flux Table

Total Lamp Lumens:	263
Luminaire Efficiency (lm/W):	263.12
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.79	1.79	0.68	0.68
10	14.13	15.92	6.05	6.05
20	26.62	42.53	16.17	16.17
30	35.86	78.39	29.80	29.79
40	40.98	119.37	45.37	45.37
50	41.12	160.49	61.00	61.00
60	36.44	196.94	74.85	74.85
70	27.06	224.00	85.14	85.13
80	15.31	239.31	90.96	90.95
90	7.61	246.92	93.85	93.84
100	6.66	253.58	96.38	96.37
110	5.87	259.45	98.61	98.60
120	2.96	262.41	99.74	99.73
130	0.72	263.12	100.01	100.00

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

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Lamp flux (lm) 263

Current (A) 0.16

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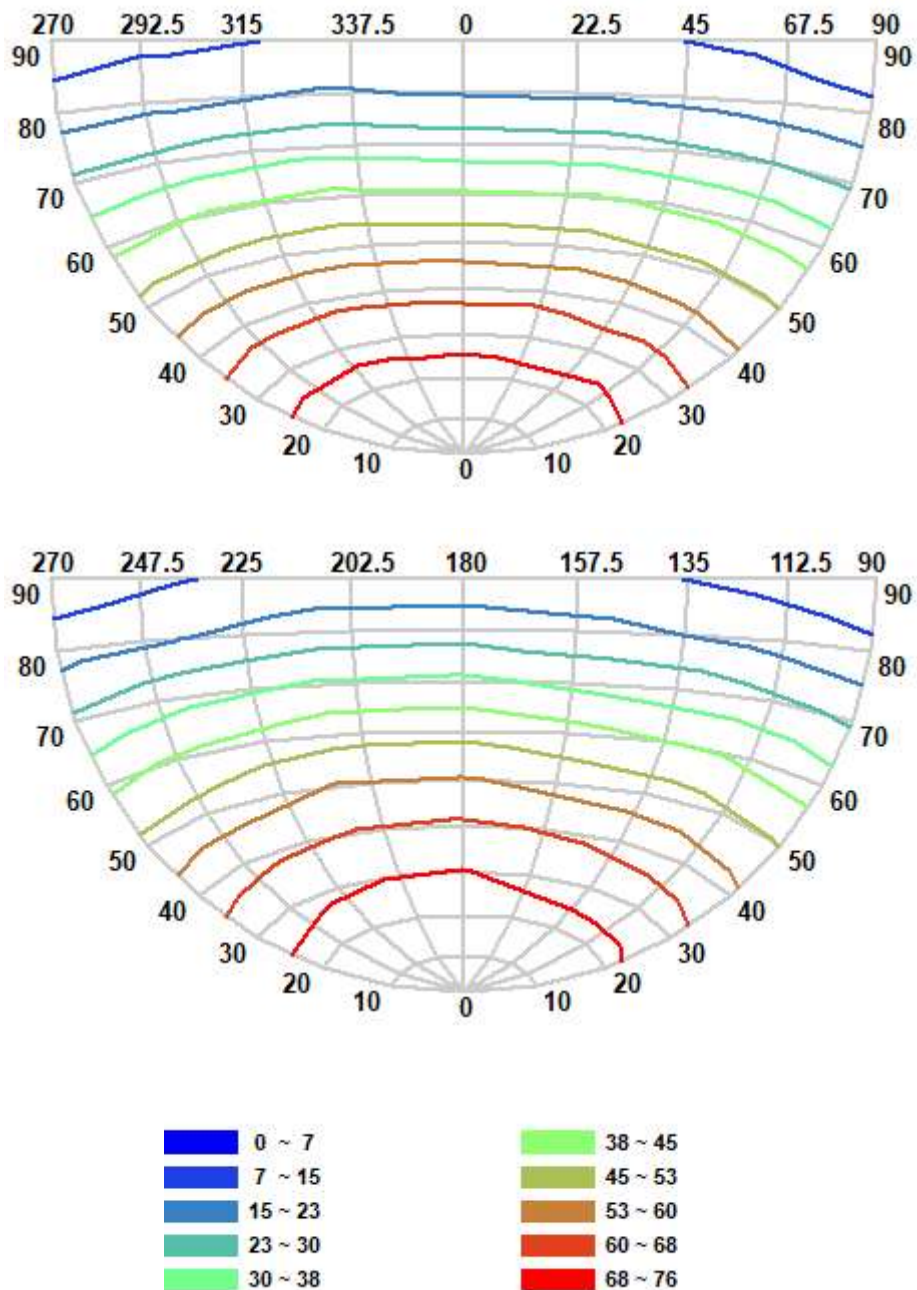
Total flux (lm) 263

Power Factor 1

Operator CGR

Date 2020-06-04 오후 4:06:06

IsoCandela (Type C)

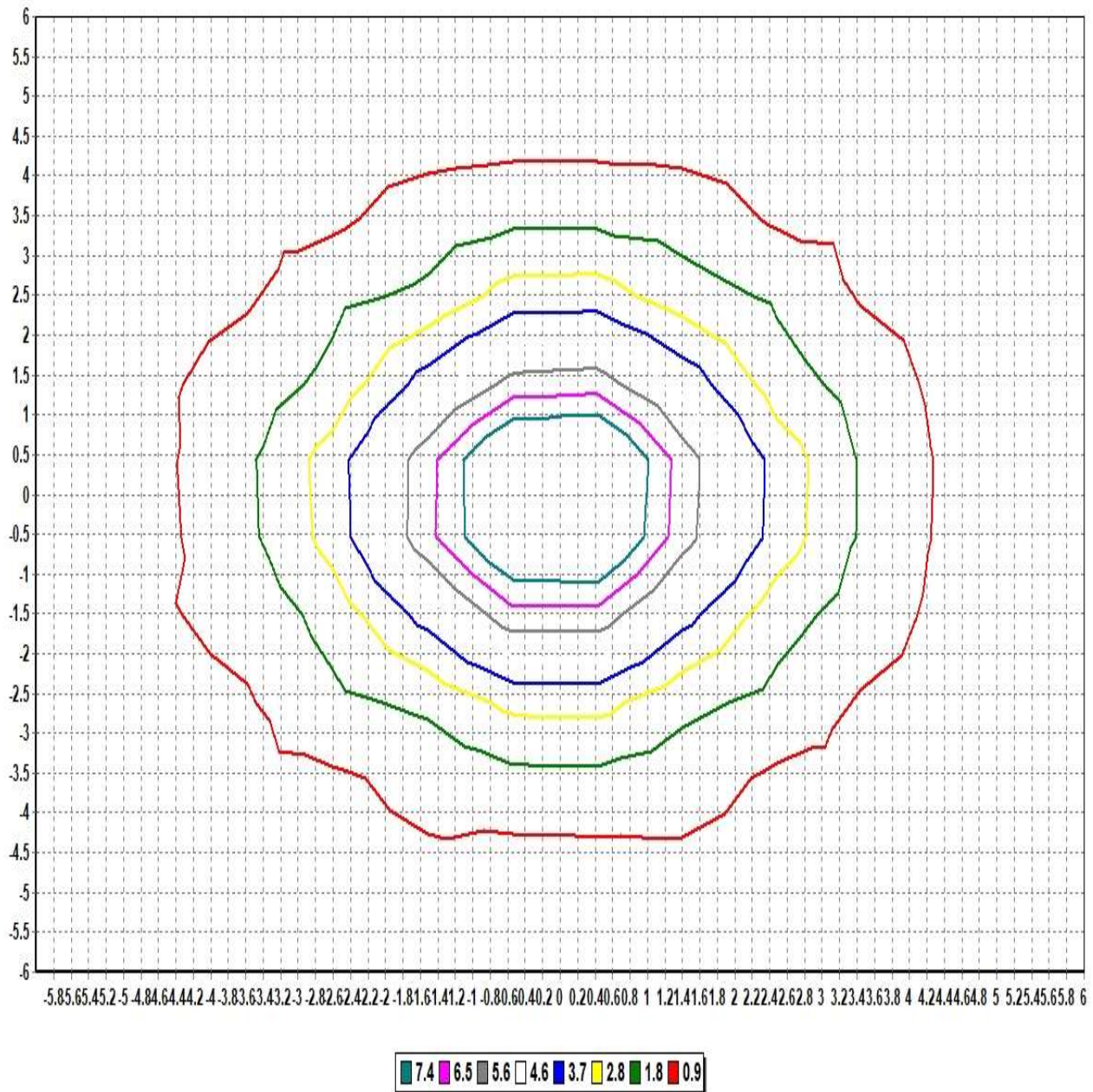


Luminaire

Lamp

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Lamp flux (lm)	263	Current (A)	0.16	Filename	200604 NMP4 40K-24V-CPL-BK.jdt
Total flux (lm)	263	Power Factor	1	Operator	CGR
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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) 263

Current (A) 0.16

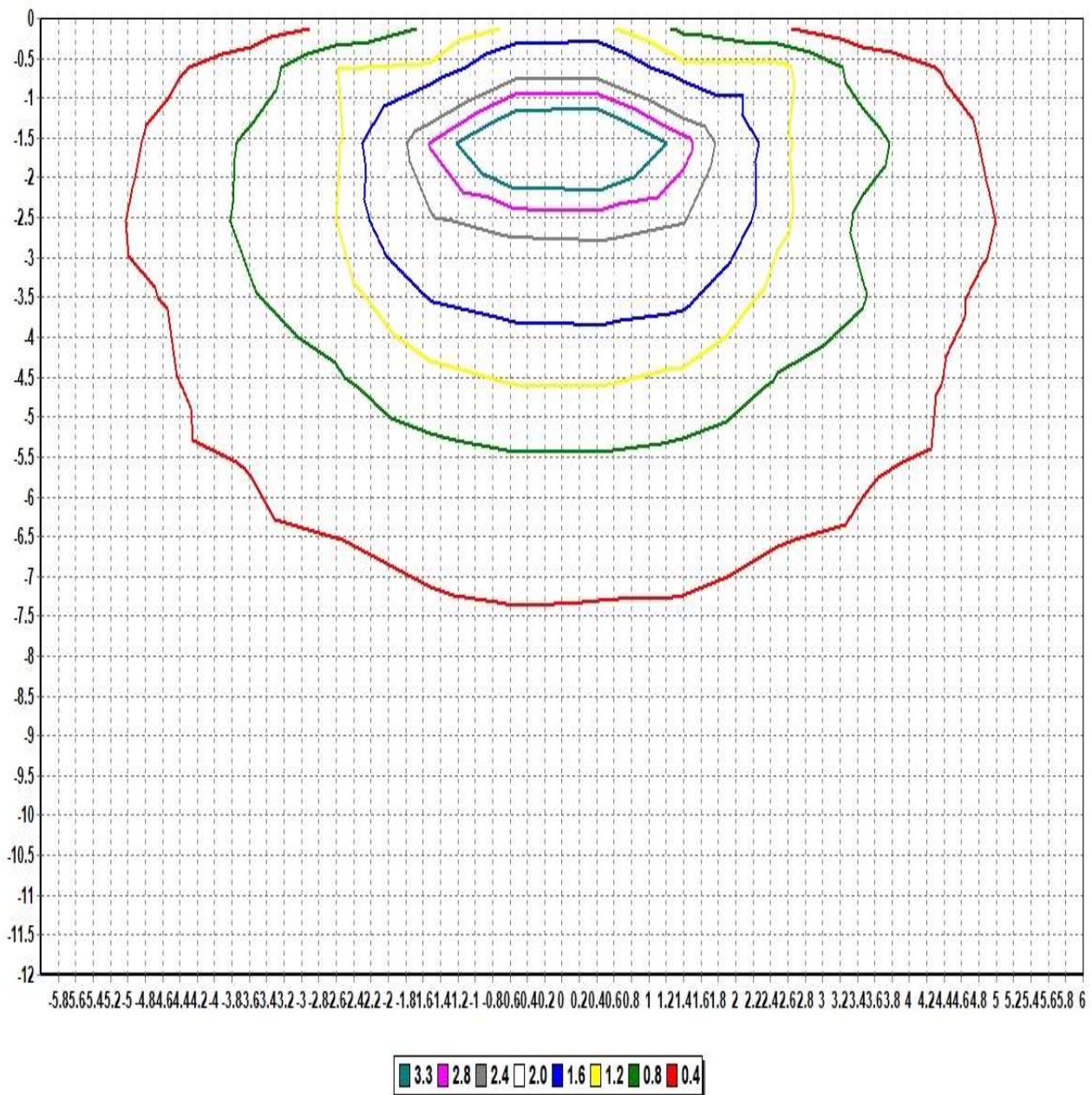
Operator CGR

Total flux (lm) 263

Power Factor 1

Date 2020-06-04 오후 4:06:06

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)	263	Current (A)	0.16
Total flux (lm)	263	Power Factor	1

Report

200604

Filename 200604 NMP4 40K-24V-CPL-BK.jdt

Operator

CGR

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Illuminance Levels (Ground)

6.00	0.12	0.16	0.13	0.19	0.23	0.25	0.25	0.24	0.24	0.20	0.14	0.17	0.13
5.00	0.18	0.15	0.21	0.28	0.54	0.61	0.63	0.61	0.55	0.30	0.22	0.17	0.18
4.00	0.17	0.25	0.45	0.64	0.72	0.87	0.92	0.86	0.74	0.66	0.48	0.24	0.16
3.00	0.20	0.34	0.70	0.81	1.53	1.77	1.92	1.81	1.57	0.87	0.70	0.32	0.20
2.00	0.25	0.55	0.73	1.66	2.25	3.59	4.09	3.65	2.36	1.63	0.74	0.56	0.25
1.00	0.32	0.70	1.01	1.84	3.62	6.22	8.25	6.32	3.66	1.85	0.96	0.67	0.29
0.00	0.34	0.76	1.13	2.26	4.55	8.55	10.31	8.40	4.32	2.09	1.02	0.70	0.29
-1.00	0.31	0.69	1.01	2.02	3.84	6.60	8.36	6.33	3.65	1.85	0.95	0.66	0.29
-2.00	0.29	0.61	0.83	1.74	2.54	3.82	4.23	3.63	2.32	1.65	0.75	0.56	0.25
-3.00	0.24	0.38	0.76	0.96	1.66	1.96	2.02	1.82	1.59	0.84	0.70	0.34	0.20
-4.00	0.19	0.28	0.53	0.71	0.82	0.92	0.97	0.93	0.74	0.67	0.47	0.24	0.16
-5.00	0.20	0.20	0.26	0.34	0.60	0.64	0.67	0.65	0.55	0.30	0.22	0.16	0.18
-6.00	0.15	0.19	0.17	0.24	0.28	0.27	0.27	0.28	0.24	0.20	0.15	0.17	0.13
-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.) : 10.3

Illum. (Min.) : 0.12

Illum. (Avg.) : 1.29

All illuminance level values are in lux.

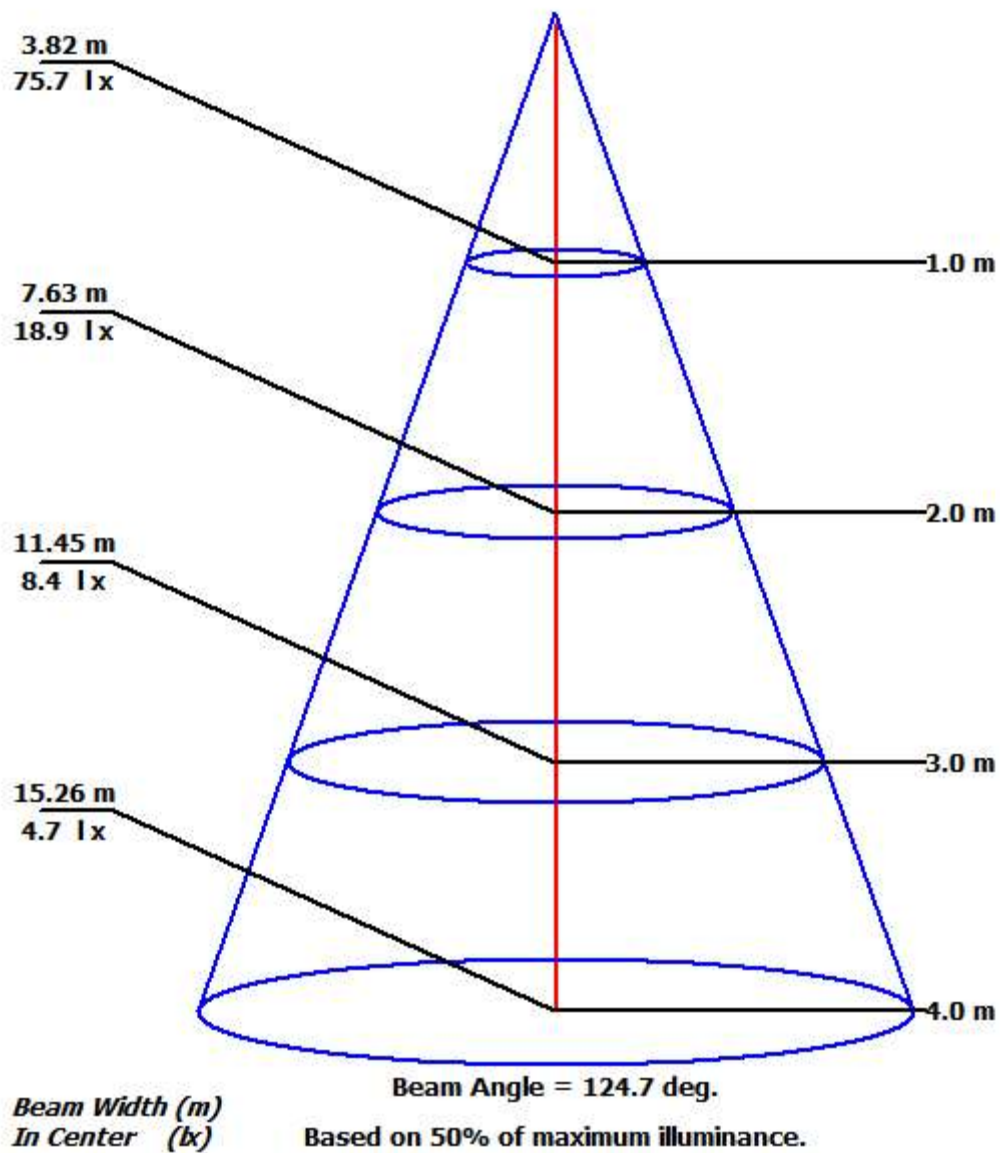


Luminaire

Lamp

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Illuminance Cone Diagram





Luminaire

Lamp

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Total flux (lm)	263	Power Factor	1

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Operator

CGR

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2020-06-04 오후 4:06:06

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

