

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 NMP8 30K-24V-BK

5. Test Period : 200629 ~ 200629

6. Test Environment

* Ambient Temp. : 25.5 +- 3 °C
* Relative Humidity : 70.0 +- 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
200629	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4314 , 0.3948	
Correlated Color Temperature	K	3035	
Ra		92.72	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.321	
Input Watt	W	7.71	
Lamp Flux	lm	497.5	
Efficient	lm/W	64.58	
luminous Intensity (Max , Center)	cd	147 , 147	
Illuminance	lx	147	1 m
		37	2 m
		16	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

200629

Lamp flux (lm) 498

Current (A) 0.321

Filename 200629 NMP8 30K-24V-BK.jdt

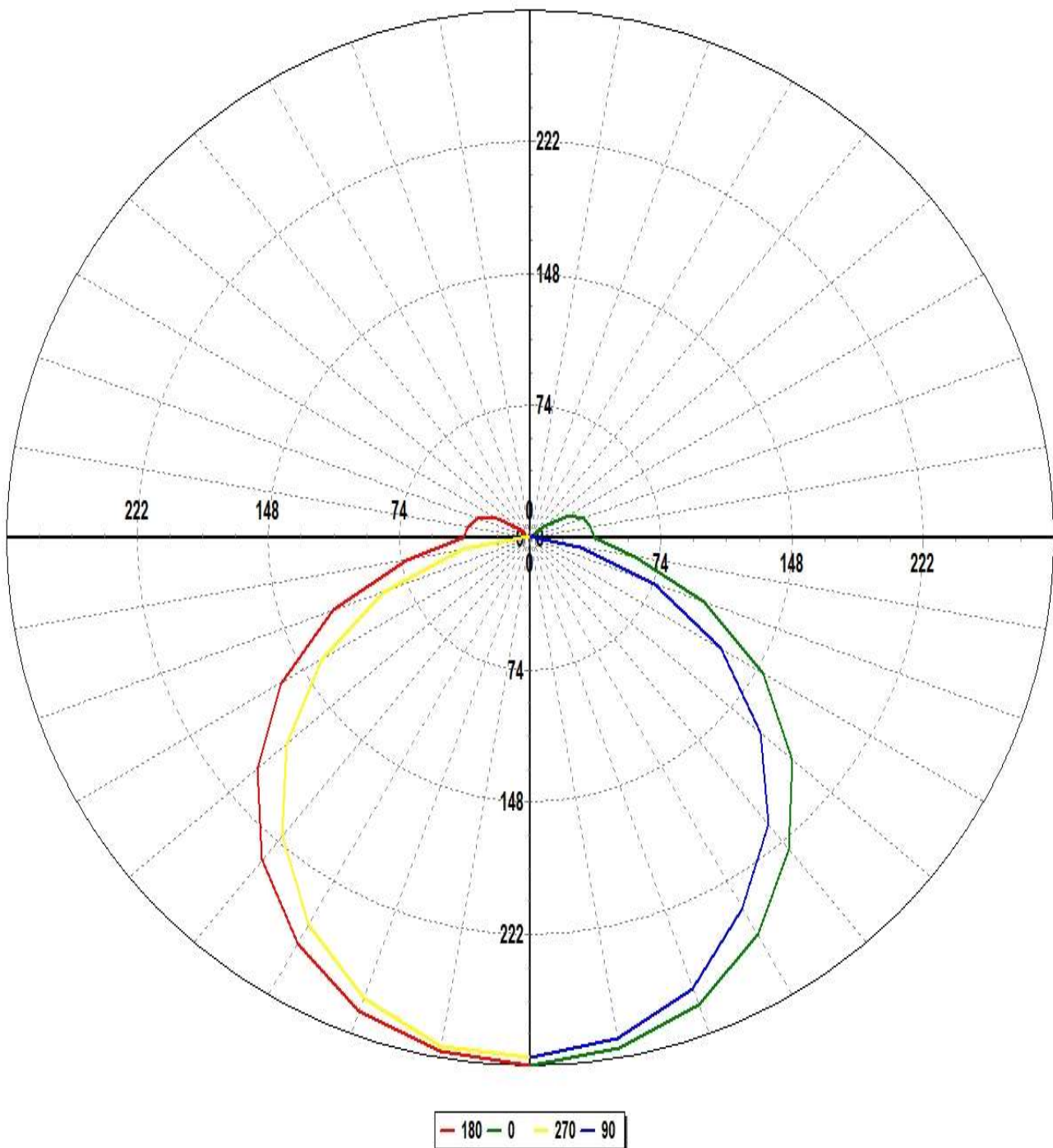
Total flux (lm) 498

Power Factor 1

Operator CGR

Date 2020-06-29 오후 2:34:13

Luminous Intensity Distribution



Luminaire

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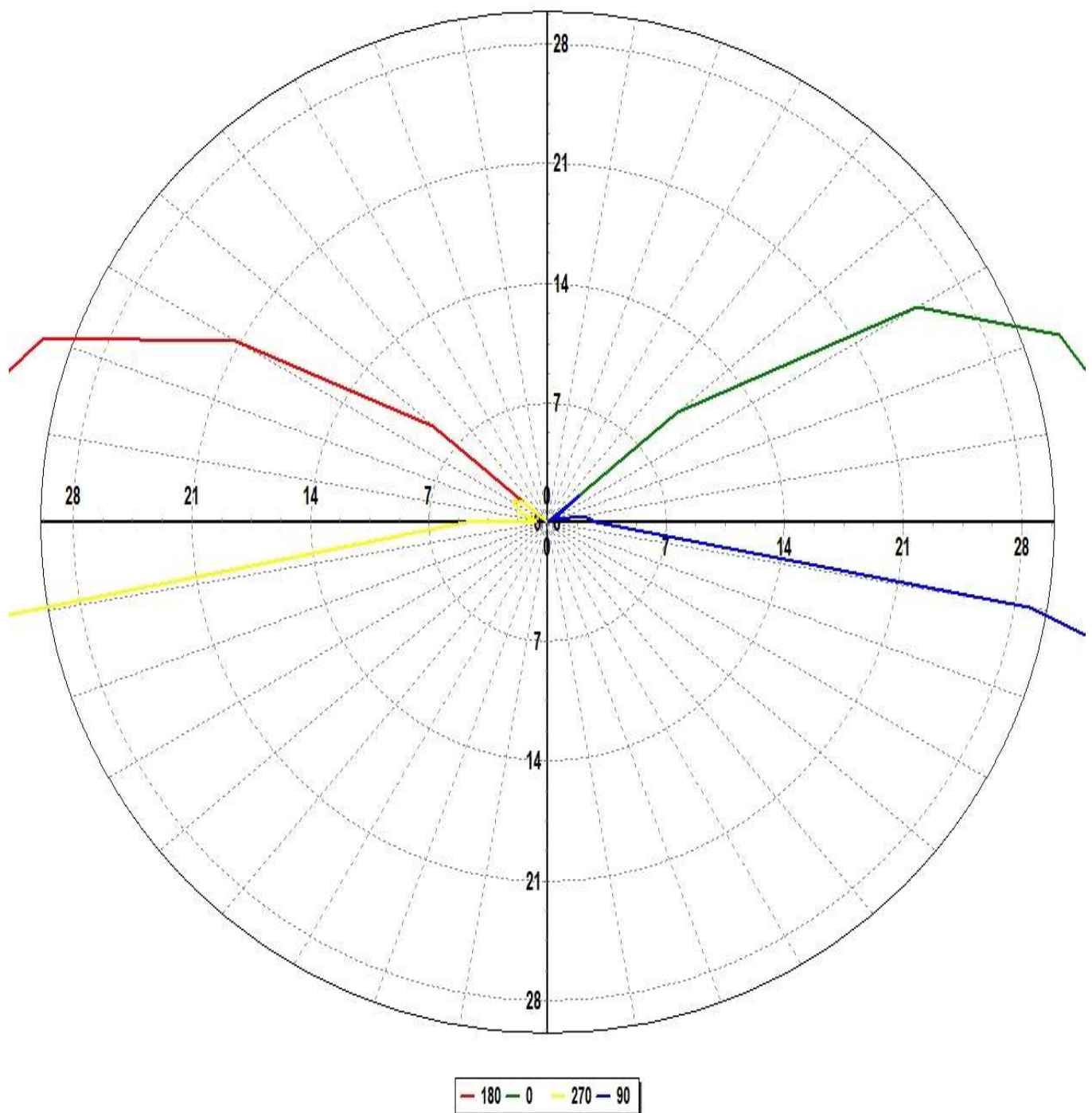
Total flux (lm) 498

Power Factor 1

Operator CGR

Date 2020-06-29 오후 2:34:13

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200629
Lamp flux (lm)	498	Current (A)	0.321	Filename	200629 NMP8 30K-24V-BK.jdt
Total flux (lm)	498	Power Factor	1	Operator	CGR
				Date	2020-06-29 오후 2:34:13

Luminous Intensity Data

Maximum (cd) : 147

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	147.29	145.83	145.85	145.12	144.82	144.09	147.29	145.83	145.85	145.12	144.82
10	144.78	143.96	142.92	141.67	141.86	142.73	145.64	145.31	144.13	144.14	143.11
20	138.93	137.78	135.32	133.72	135.3	136.01	140.71	140.45	137.75	136.88	136.04
30	128.02	126.37	123.07	119.45	122.99	126.43	130.81	130.24	127.52	124.79	125.73
40	113.39	110.81	107.82	104.36	107.61	111.04	117.35	116.43	112.2	108.51	110.75
50	96.34	93.19	88.63	84.67	89.27	93.54	100.32	99.52	93.82	89.39	91.98
60	75.85	72.45	67	61.91	68.3	73.72	80.8	79.41	73.23	67.68	71.51
70	52.12	49	44.29	37.37	45.51	51.15	58.84	56.79	49.35	43.92	48.09
80	30.1	26.87	20.76	14.39	21.97	29.24	35.42	33.52	26.63	19.11	25.26
90	18.2	15.34	9.33	1.42	9.09	15.1	18.88	16.38	9.98	2.39	9.74
100	17.18	14.96	8.69	1.11	8.34	13.92	17.58	14.88	9.1	0.34	9.35
110	16.02	14.15	7.05	0.25	6.75	14.25	15.76	13.56	8.04	0.84	7.9
120	12.53	12.45	0.62	0.2	0.53	12.56	10.59	13.06	1.45	1.16	1.41
130	4.98	3.03	3.8	1.22	4.56	3.11	4.39	5.82	4.79	0.91	4.52

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200629
Lamp flux (lm)	498	Current (A)	0.321	Filename	200629 NMP8 30K-24V-BK.jdt
Total flux (lm)	498	Power Factor	1	Operator	CGR
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Luminous Intensity Data (Continued)

Maximum (cd) : 147

Minimum (cd) : 0

G/C	330	360
0	144.09	147.29
10	142.8	144.78
20	137.67	138.93
30	127.04	128.02
40	112.78	113.39
50	95.75	96.34
60	76.04	75.85
70	52.81	52.12
80	30.42	30.1
90	15.76	18.2
100	15.05	17.18
110	13.85	16.02
120	12.16	12.53
130	5.68	4.98

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200629
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Total flux (lm)	498	Power Factor	1	Operator	CGR
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Luminous Flux Table

Total Lamp Lumens:	498
Luminaire Efficiency (lm/W):	497.53
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.48	3.48	0.70	0.70
10	27.31	30.79	6.19	6.19
20	51.40	82.19	16.52	16.52
30	69.02	151.21	30.39	30.39
40	78.21	229.41	46.11	46.11
50	78.06	307.47	61.80	61.80
60	68.60	376.07	75.59	75.59
70	50.54	426.61	85.75	85.74
80	28.20	454.80	91.42	91.41
90	12.93	467.73	94.02	94.01
100	11.73	479.46	96.37	96.37
110	10.16	489.61	98.41	98.41
120	6.22	495.84	99.67	99.66
130	1.70	497.53	100.01	100.00

Luminaire

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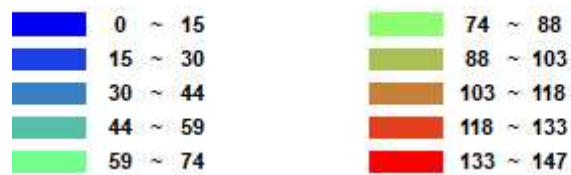
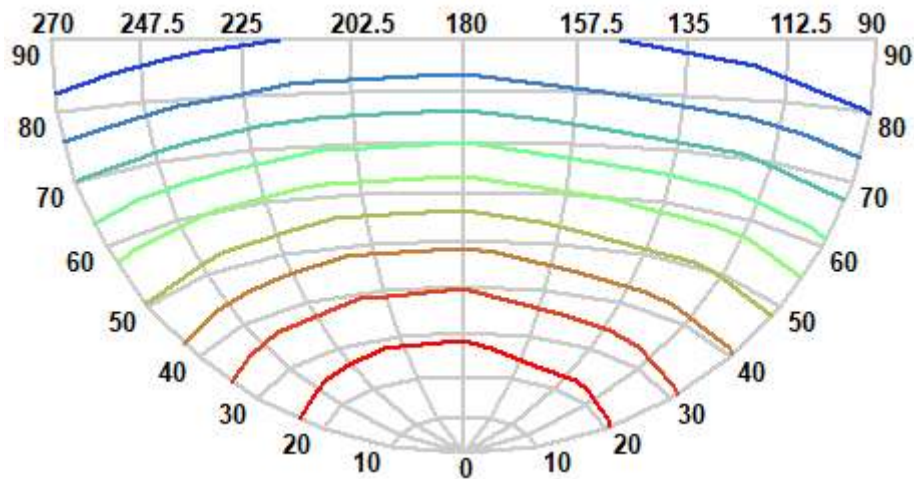
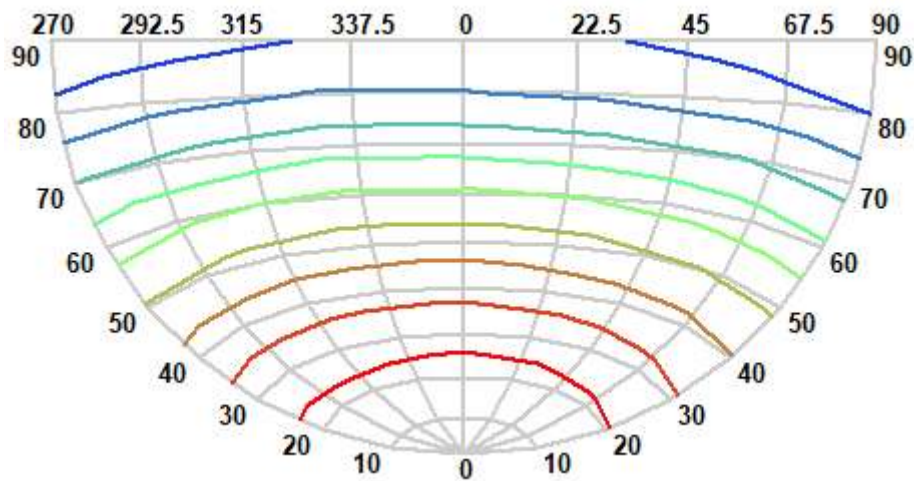
Total flux (lm) 498

Power Factor 1

Operator CGR

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IsoCandela (Type C)



Luminaire

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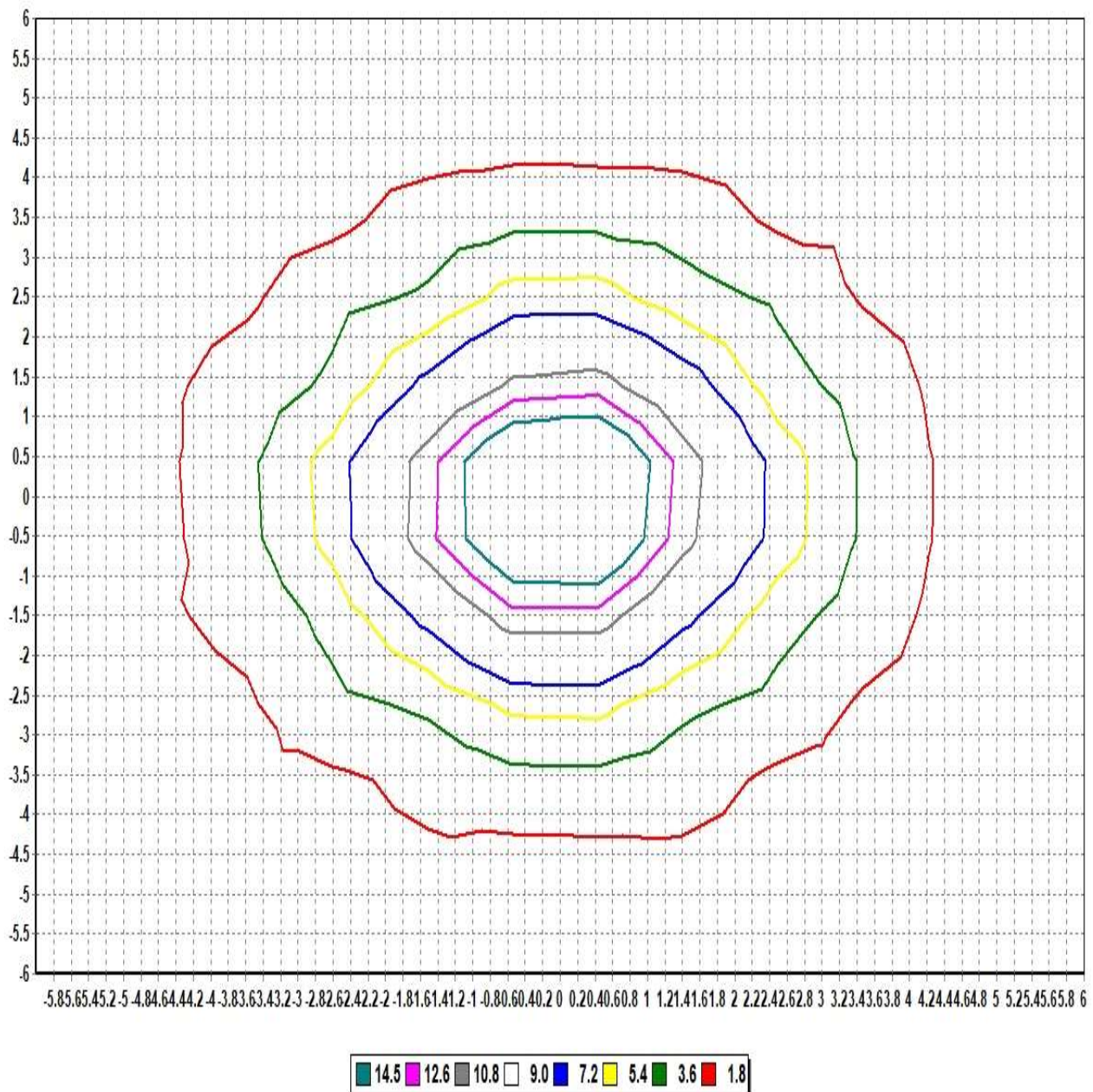
Total flux (lm) 498

Power Factor 1

Operator CGR

Date 2020-06-29 오후 2:34:13

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) 498

Current (A) 0.321

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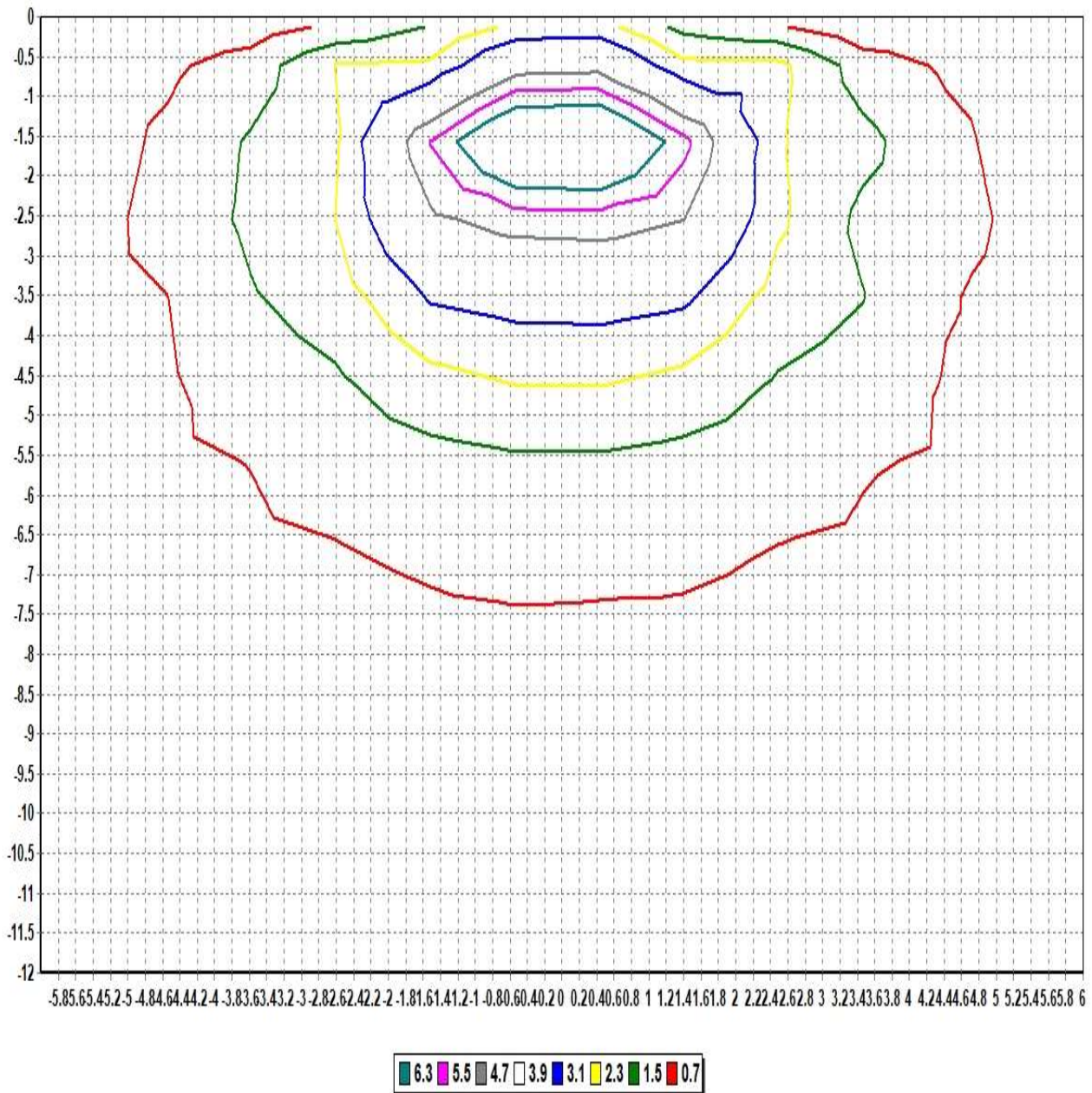
Total flux (lm) 498

Power Factor 1

Operator CGR

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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

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	498	Current (A)	0.321
Total flux (lm)	498	Power Factor	1

Report 200629

Filename 200629 NMP8 30K-24V-BK.jdt

Operator CGR

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Illuminance Levels (Ground)

6.00	0.23	0.30	0.23	0.35	0.41	0.47	0.45	0.45	0.45	0.38	0.27	0.32	0.26
5.00	0.33	0.27	0.37	0.50	1.00	1.16	1.19	1.15	1.05	0.56	0.42	0.33	0.35
4.00	0.31	0.45	0.85	1.21	1.32	1.62	1.71	1.61	1.40	1.27	0.94	0.47	0.31
3.00	0.36	0.63	1.31	1.50	2.91	3.32	3.64	3.47	3.02	1.68	1.36	0.65	0.38
2.00	0.45	1.03	1.35	3.10	4.24	6.76	7.80	6.96	4.57	3.18	1.42	1.08	0.48
1.00	0.60	1.32	1.89	3.45	6.80	11.86	16.00	12.38	7.00	3.58	1.86	1.29	0.57
0.00	0.65	1.43	2.13	4.26	8.69	16.46	20.20	16.36	8.43	4.10	2.02	1.37	0.59
-1.00	0.57	1.29	1.88	3.78	7.33	12.67	16.28	12.20	6.99	3.54	1.86	1.29	0.56
-2.00	0.54	1.15	1.55	3.30	4.79	7.30	8.13	6.96	4.41	3.16	1.41	1.06	0.47
-3.00	0.44	0.71	1.43	1.80	3.16	3.69	3.83	3.45	3.03	1.59	1.35	0.65	0.38
-4.00	0.35	0.52	1.00	1.35	1.53	1.74	1.84	1.75	1.39	1.27	0.89	0.47	0.32
-5.00	0.37	0.37	0.47	0.62	1.13	1.22	1.26	1.23	1.04	0.57	0.42	0.30	0.35
-6.00	0.29	0.35	0.30	0.43	0.51	0.50	0.51	0.52	0.45	0.37	0.27	0.32	0.24
-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.) : 20.2

Illum. (Min.) : 0.23

Illum. (Avg.) : 2.47

All illuminance level values are in lux.



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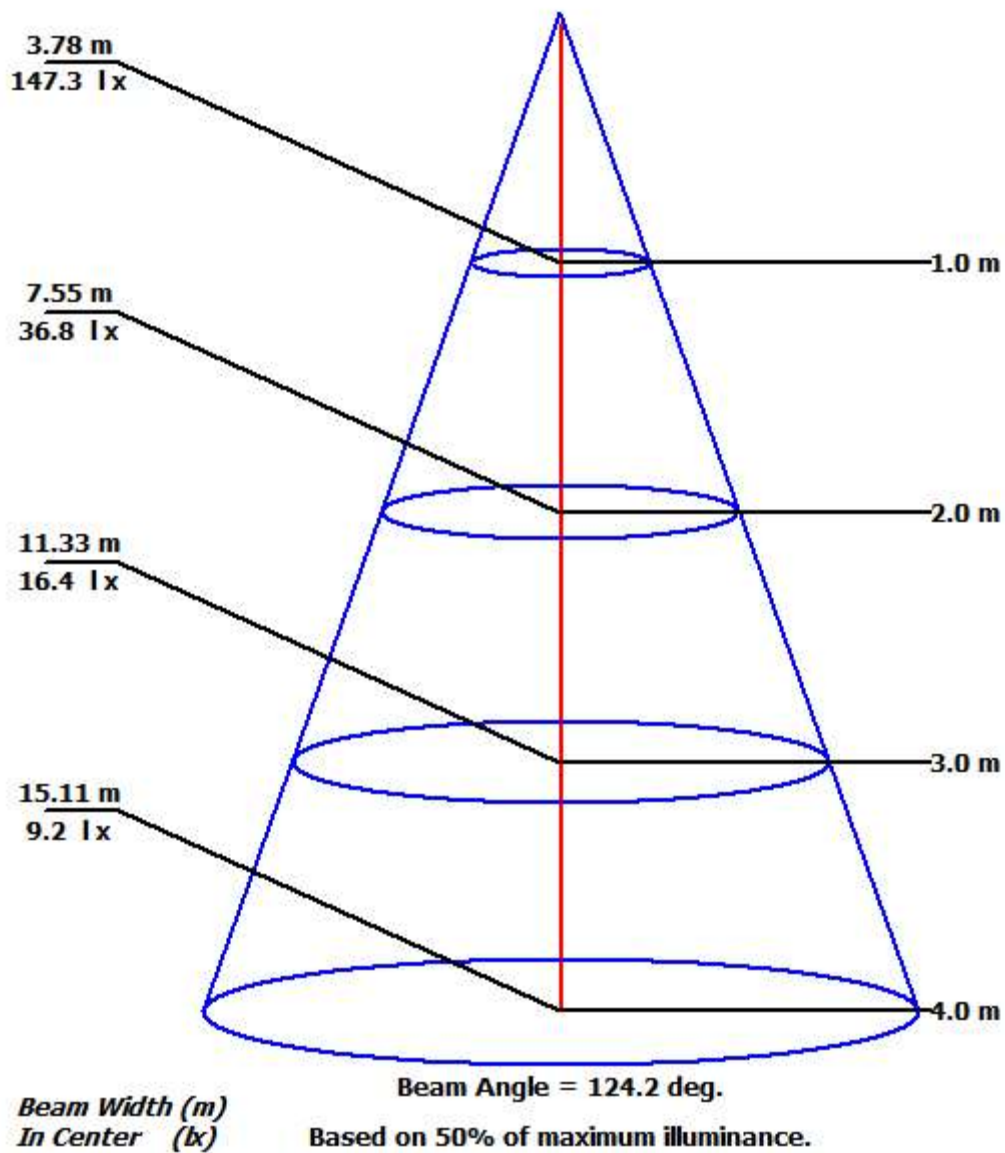
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Power Factor 1

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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

