

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 NMP5 27K-24V-90D-BK

5. Test Period : 200604 ~ 200604

6. Test Environment

* Ambient Temp. : 24.9 +- 3 °C
* Relative Humidity : 66.4 +- 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		0.4580 , 0.4080	
Correlated Color Temperature	K	2721	
Ra		91.84	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.213	
Input Watt	W	5.11	
Lamp Flux	lm	309.1	
Efficient	lm/W	60.47	
luminous Intensity (Max , Center)	cd	91 , 91	
Illuminance	lx	91	1 m
		23	2 m
		10	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) 309

Current (A) 0.213

Filename 200604 NMP5 27K-24V-90D-BK.jdt

Total flux (lm) 309

Power Factor 1

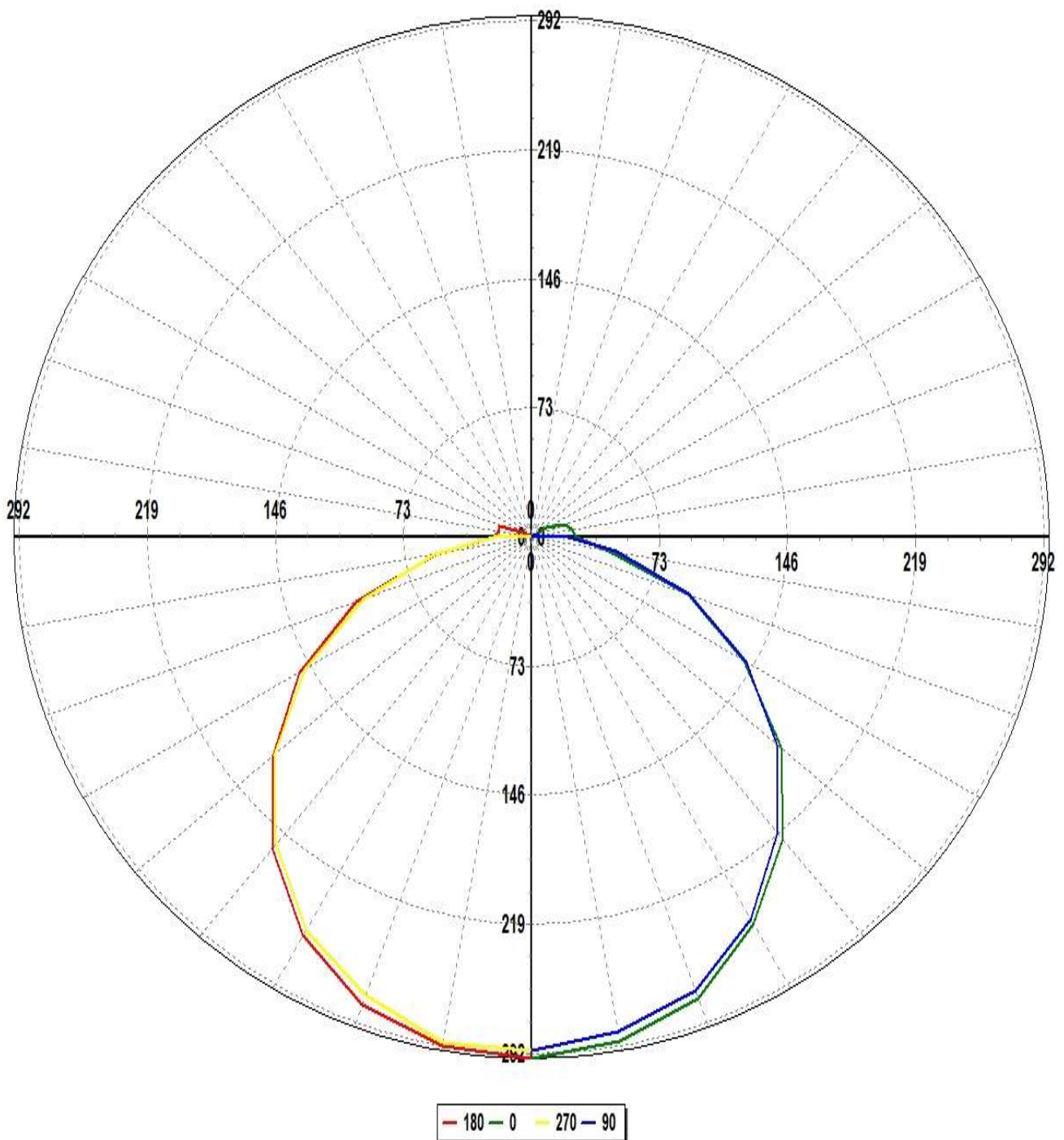
Operator

CGR

Date

2020-06-04 오후 5:55:28

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 309

Current (A) 0.213

Filename 200604 NMP5 27K-24V-90D-BK.jdt

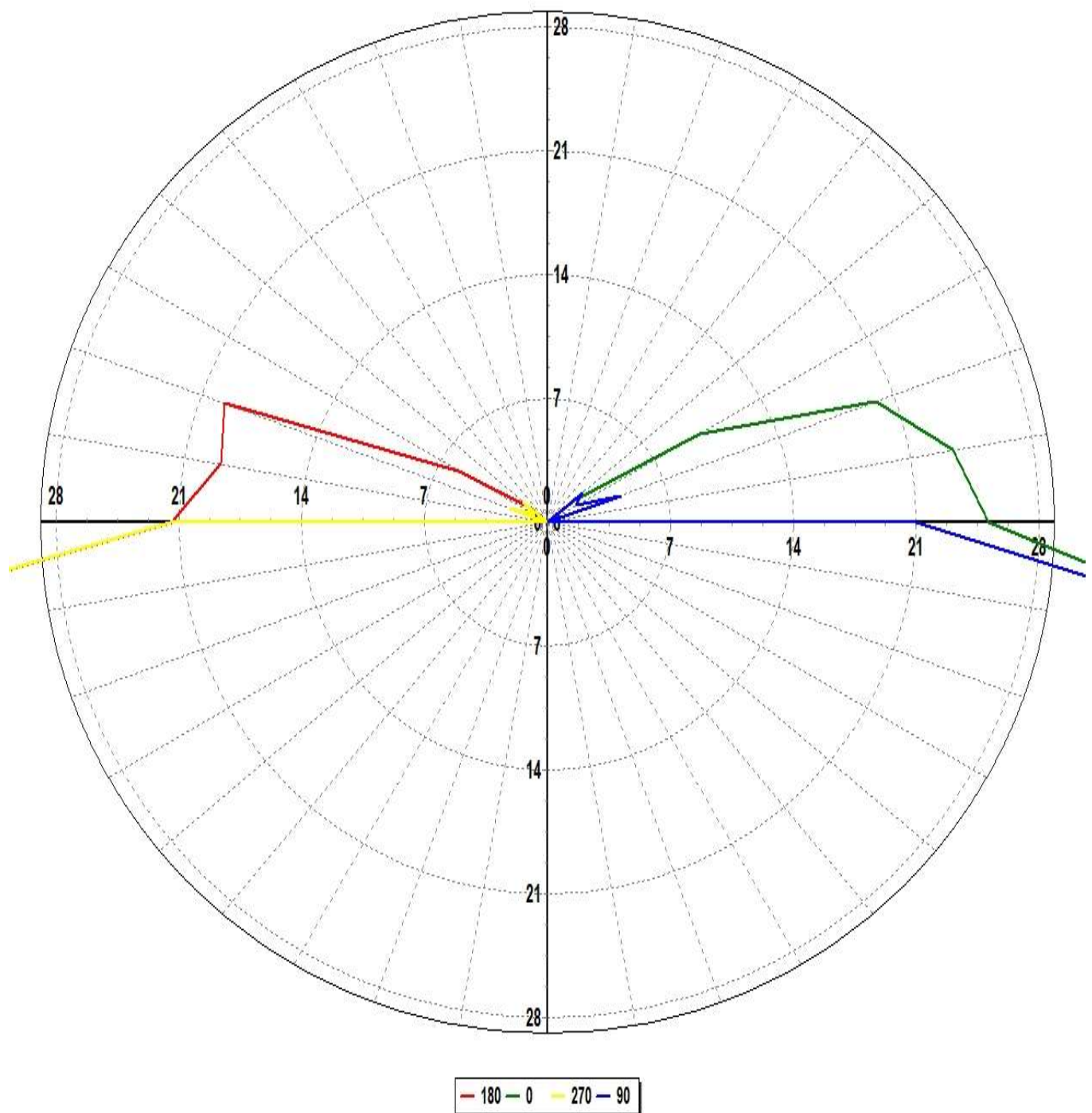
Total flux (lm) 309

Power Factor 1

Operator CGR

Date 2020-06-04 오후 5:55:28

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	309	Current (A)	0.213	Filename	200604 NMP5 27K-24V-90D-BK.jdt
Total flux (lm)	309	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 5:55:28

Luminous Intensity Data

Maximum (cd) : 91

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	91.18	90.85	89.35	89.82	89.19	89.16	91.18	90.85	89.35	89.82	89.19	89.16	91.18
10	89.48	88.31	89.08	87.8	88.37	88.54	90.27	89.58	89.05	89.84	88.28	88.86	89.48
20	85.72	85.24	83.96	84.43	84.05	84.53	87	86.21	86.05	85.34	84.75	84.08	85.72
30	78.23	78.14	77.83	77.14	78.39	77.4	80.43	80.25	79.48	79.42	78.96	78.5	78.23
40	68.87	68.91	68.73	67.56	69.08	68.84	71.13	73.12	72.07	70.15	69.75	69.47	68.87
50	57.35	57.96	57.82	56.47	58.29	57.8	59.5	61.02	60.46	59.11	59.08	58.77	57.35
60	43.13	44.74	45.13	43.64	45.59	45.81	47.29	48.52	47.85	46.07	46.31	46	43.13
70	29.23	29.21	30.26	29.48	30.89	30.9	32.82	33.49	33.61	31.41	31.67	31.06	29.23
80	13.83	15.59	16.32	15.08	16.54	16.52	17.18	19.74	18.5	17.3	17.62	16.9	13.83
90	7.77	8.96	8.79	6.48	5.94	6.26	6.61	8.16	8.14	6.63	6.17	6.16	7.77
100	7.25	8.28	8.47	-0.01	4.19	6.33	5.84	6.71	4.91	-0.22	6.43	6.34	7.25
110	6.14	8.18	7.39	1.38	4.91	5.96	6.05	5.45	4.58	0.7	6.58	6.69	6.14
120	3.1	6.86	3.69	0.57	1.39	4.49	1.8	4.8	1.88	0.26	4.5	6.32	3.1
130	0.61	2.4	3.54	0.81	1.57	0.58	0.36	1.86	2.31	0.57	3.94	2.58	0.61

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	309	Current (A)	0.213	Filename	200604 NMP5 27K-24V-90D-BK.jdt
Total flux (lm)	309	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 5:55:28

Luminous Flux Table

Total Lamp Lumens:	309
Luminaire Efficiency (lm/W):	309.06
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.15	2.15	0.70	0.70
10	16.92	19.07	6.17	6.17
20	31.88	50.95	16.48	16.49
30	43.09	94.04	30.42	30.43
40	49.14	143.18	46.32	46.33
50	49.20	192.38	62.24	62.25
60	43.48	235.86	76.30	76.31
70	32.08	267.94	86.68	86.69
80	18.08	286.01	92.53	92.54
90	7.86	293.87	95.07	95.08
100	5.80	299.67	96.95	96.96
110	5.49	305.16	98.72	98.74
120	3.14	308.29	99.74	99.75
130	0.77	309.06	99.99	100.00

Luminaire

Lamp

Report

200604

No. of lamps 1

Voltage (V) 24

Filename 200604 NMP5 27K-24V-90D-BK.jdt

Lamp flux (lm) 309

Current (A) 0.213

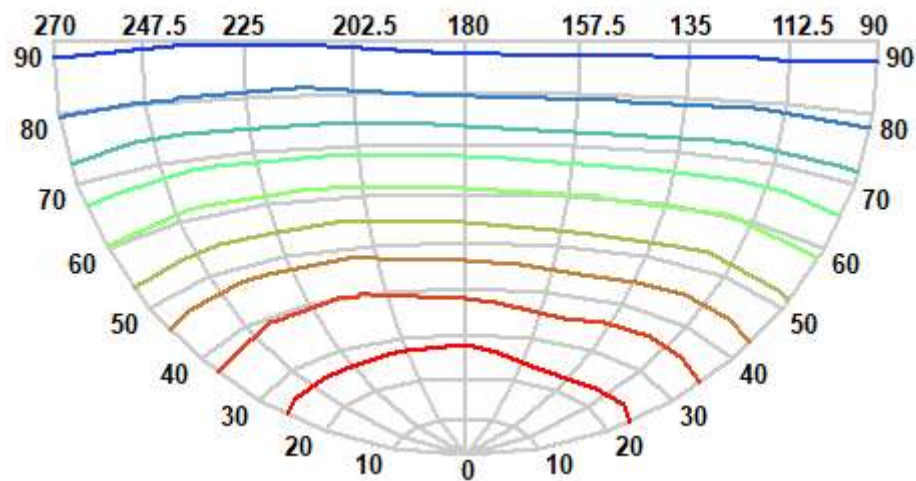
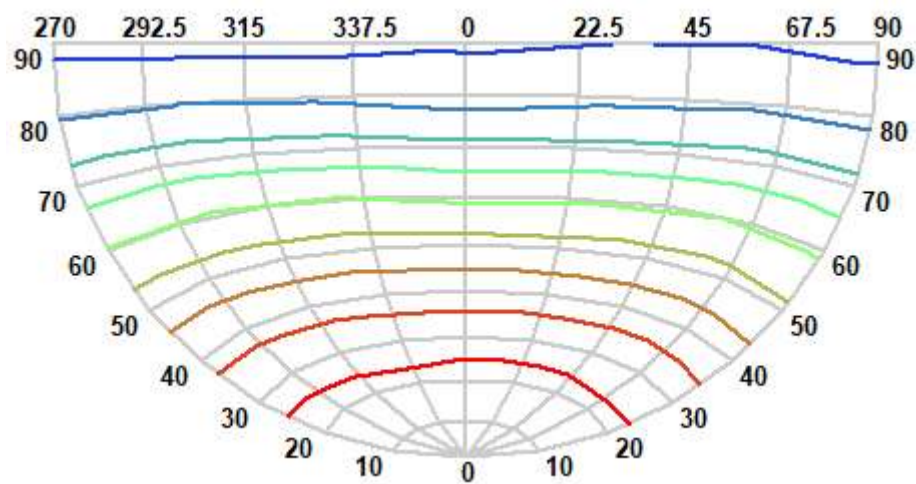
Operator CGR

Total flux (lm) 309

Power Factor 1

Date 2020-06-04 오후 5:55:28

IsoCandela (Type C)

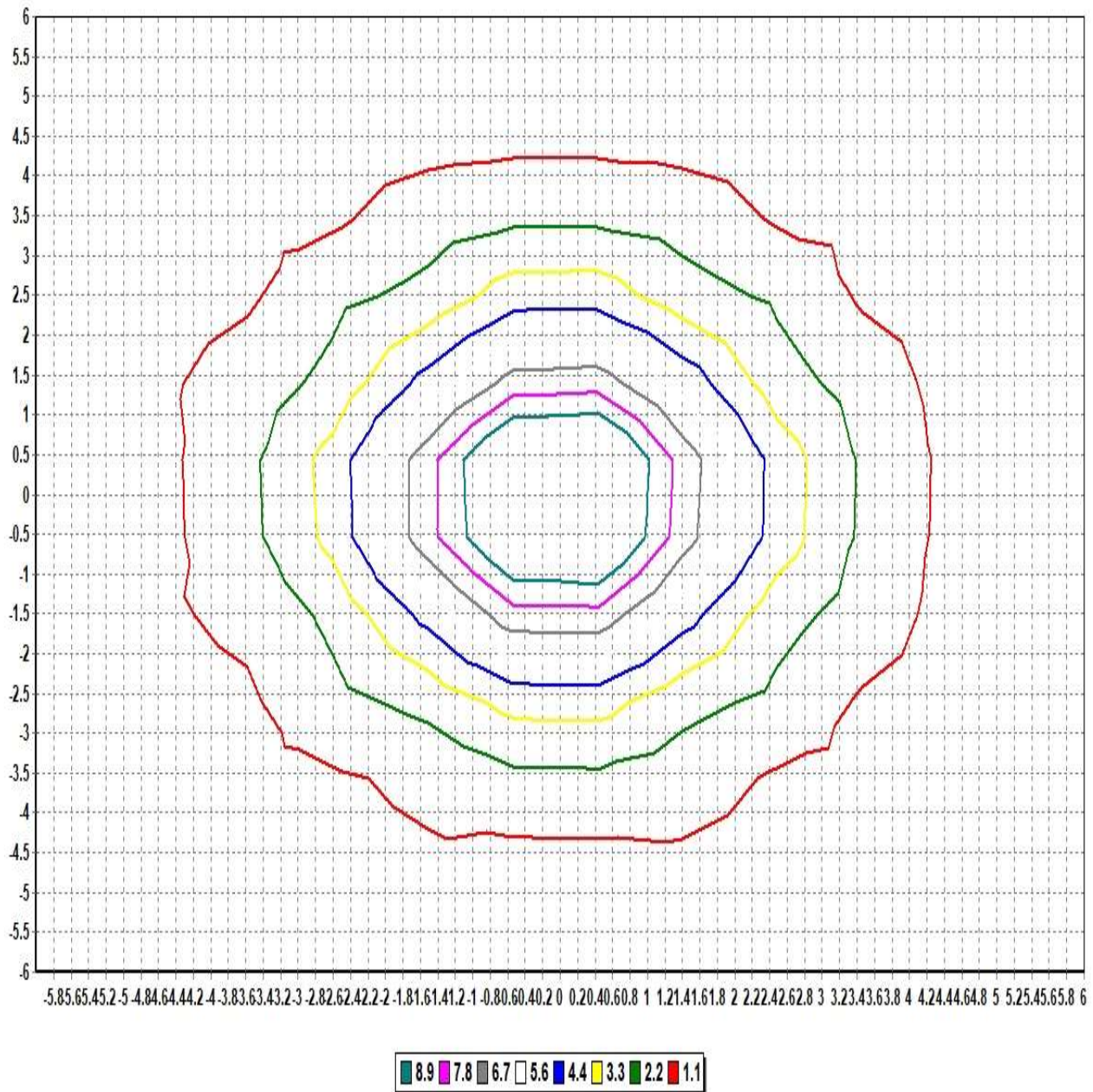


Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	309	Current (A)	0.213	Filename	200604 NMP5 27K-24V-90D-BK.jdt
Total flux (lm)	309	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 5:55:28

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

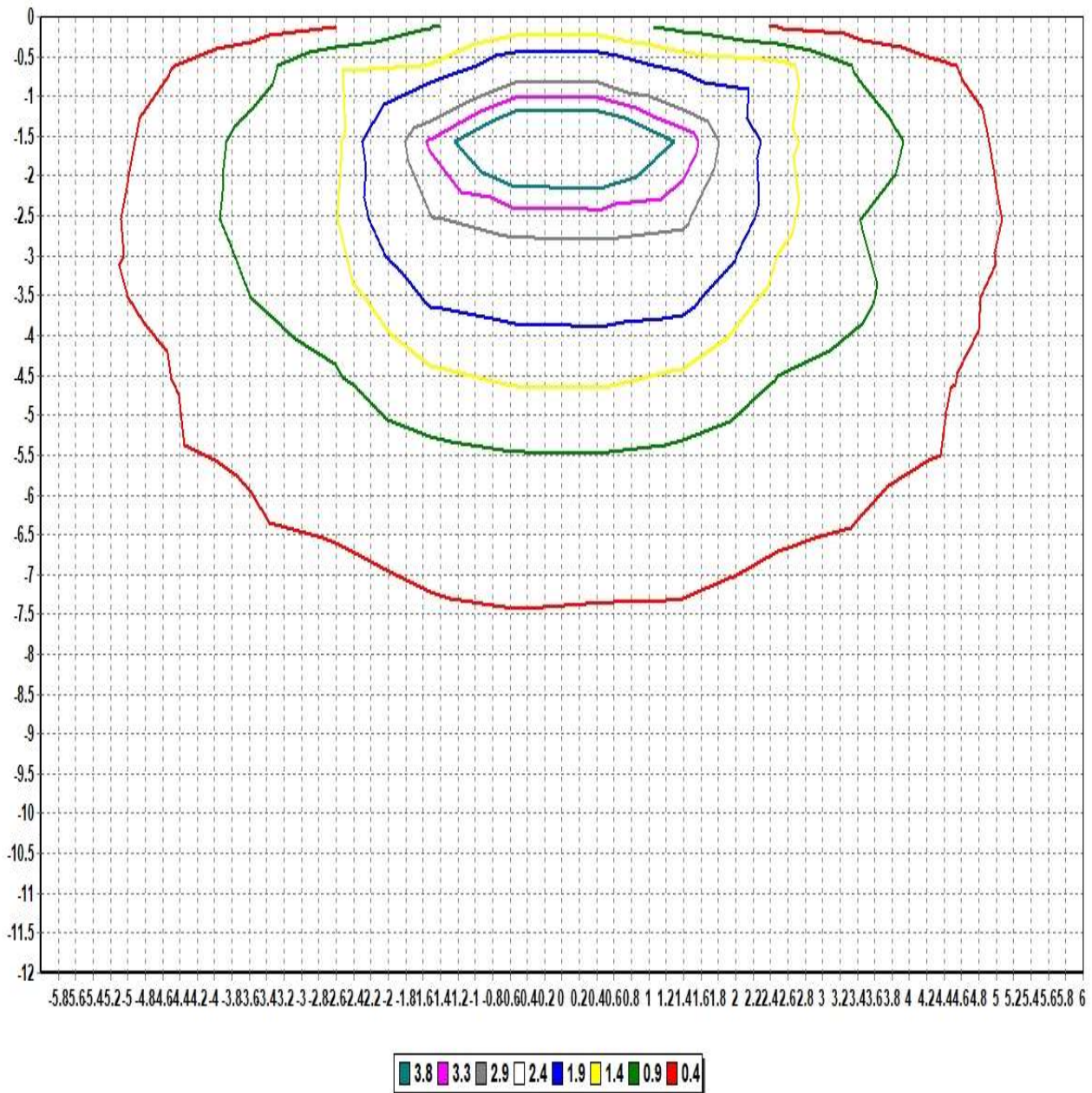
Total Optical Solution Provider

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	309	Current (A)	0.213	Filename	200604 NMP5 27K-24V-90D-BK.jdt
Total flux (lm)	309	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 5:55:28

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)	309	Current (A)	0.213
Total flux (lm)	309	Power Factor	1

Report 200604
Filename 200604 NMP5 27K-24V-90D-BK.jdt
Operator CGR
Date 2020-06-04 오후 5:55:28

Illuminance Levels (Ground)

6.00	0.16	0.21	0.18	0.24	0.29	0.33	0.34	0.32	0.29	0.23	0.18	0.21	0.15
5.00	0.21	0.20	0.27	0.37	0.66	0.77	0.80	0.76	0.66	0.38	0.28	0.19	0.20
4.00	0.19	0.28	0.57	0.81	0.89	1.09	1.17	1.09	0.88	0.82	0.56	0.27	0.18
3.00	0.24	0.39	0.82	1.01	1.90	2.18	2.41	2.19	1.93	1.00	0.81	0.37	0.23
2.00	0.29	0.67	0.89	1.93	2.77	4.34	5.05	4.34	2.79	1.93	0.87	0.66	0.28
1.00	0.35	0.79	1.14	2.20	4.35	7.56	9.92	7.62	4.34	2.19	1.10	0.78	0.33
0.00	0.37	0.85	1.25	2.54	5.29	10.20	12.51	10.11	5.13	2.45	1.17	0.81	0.33
-1.00	0.34	0.79	1.14	2.29	4.59	7.80	10.15	7.68	4.39	2.23	1.10	0.77	0.32
-2.00	0.31	0.70	0.94	2.00	2.92	4.59	5.22	4.40	2.85	1.95	0.90	0.68	0.30
-3.00	0.26	0.41	0.85	1.08	2.02	2.31	2.52	2.24	1.97	1.05	0.84	0.39	0.25
-4.00	0.20	0.30	0.60	0.86	0.94	1.15	1.23	1.15	0.90	0.84	0.58	0.29	0.19
-5.00	0.22	0.21	0.30	0.41	0.70	0.80	0.84	0.81	0.68	0.39	0.29	0.20	0.21
-6.00	0.17	0.22	0.20	0.26	0.32	0.35	0.36	0.35	0.30	0.25	0.19	0.21	0.16
-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.) : 12.5

Illum. (Min.) : 0.15

Illum. (Avg.) : 1.55

All illuminance level values are in lux.



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 309

Current (A) 0.213

Filename 200604 NMP5 27K-24V-90D-BK.jdt

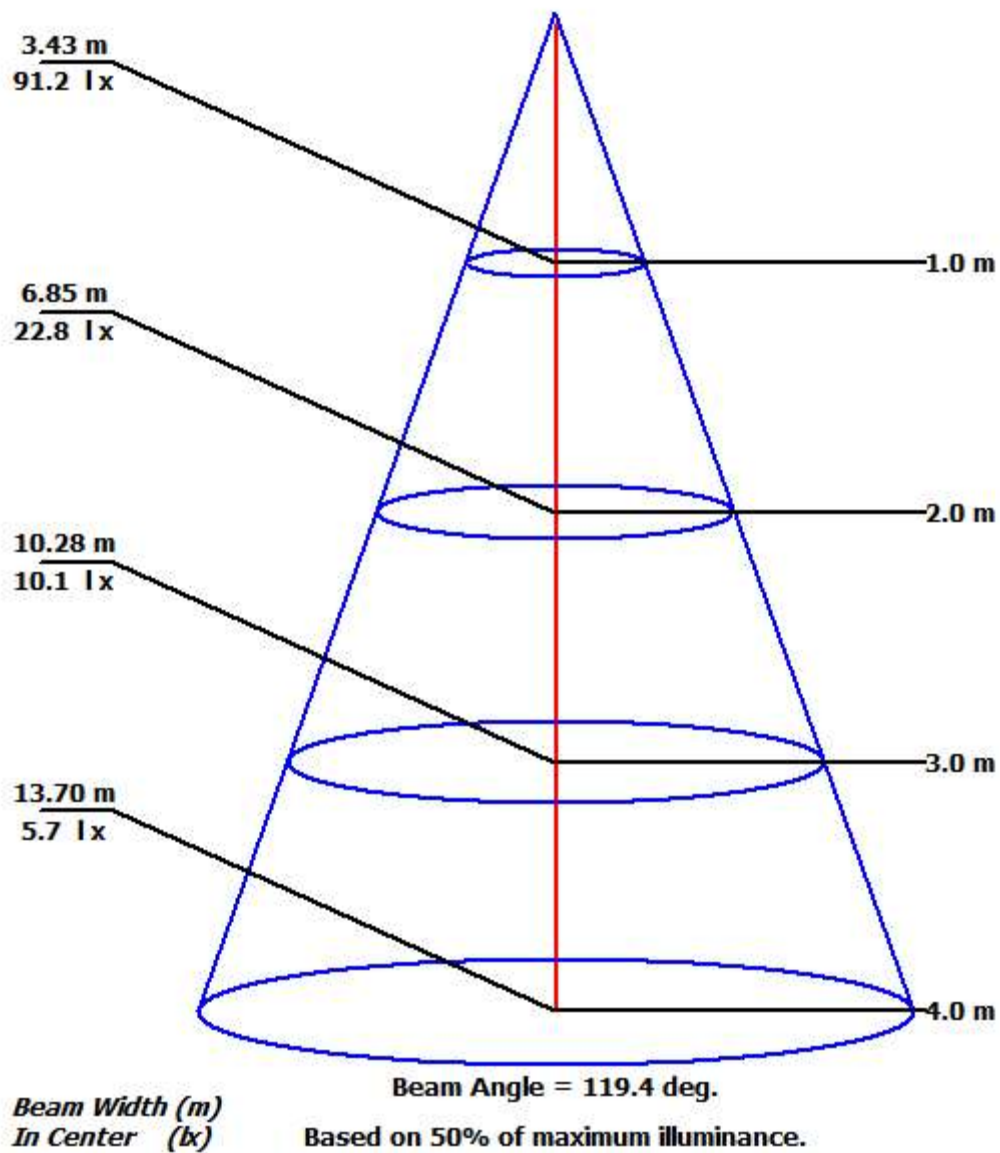
Total flux (lm) 309

Power Factor 1

Operator CGR

Date 2020-06-04 오후 5:55:28

Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	309	Current (A)	0.213
Total flux (lm)	309	Power Factor	1

Report	200604
Filename	200604 NMP5 27K-24V-90D-BK.jdt
Operator	CGR
Date	2020-06-04 오후 5:55:28

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

