

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 : 200608

2. Purpose of Report :

3. Number of Report : 200608

4. Test Standard / Item : / 200608 NMP5 57K-24V-90D-BK

5. Test Period : 200608 ~ 200608

6. Test Environment

* Ambient Temp. : 24.4 +- 3 °C
* Relative Humidity : 64.8 +- 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 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
200608	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3261 , 0.3321	
Correlated Color Temperature	K	5798	
Ra		92.59	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.215	
Input Watt	W	5.16	
Lamp Flux	lm	374.4	
Efficient	lm/W	72.56	
luminous Intensity (Max , Center)	cd	110 , 110	
Illuminance	lx	110	1 m
		28	2 m
		12	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

200608

Lamp flux (lm) 374

Current (A) 0.215

Filename 200608 NMP5 57K-24V-90D-BK.jdt

Total flux (lm) 374

Power Factor 1

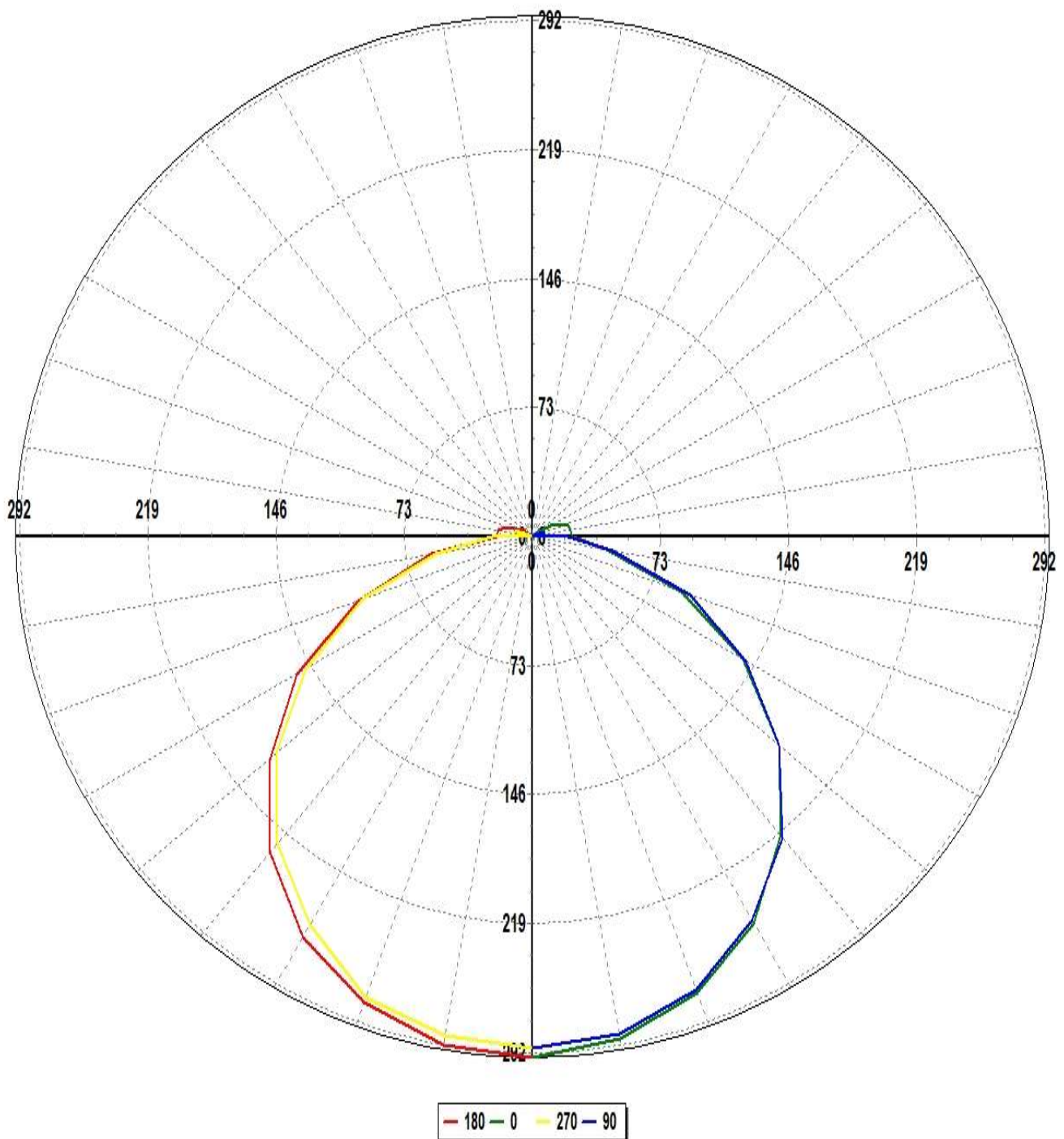
Operator

CGR

Date

2020-06-08 오전 11:59:12

Luminous Intensity Distribution



Luminaire

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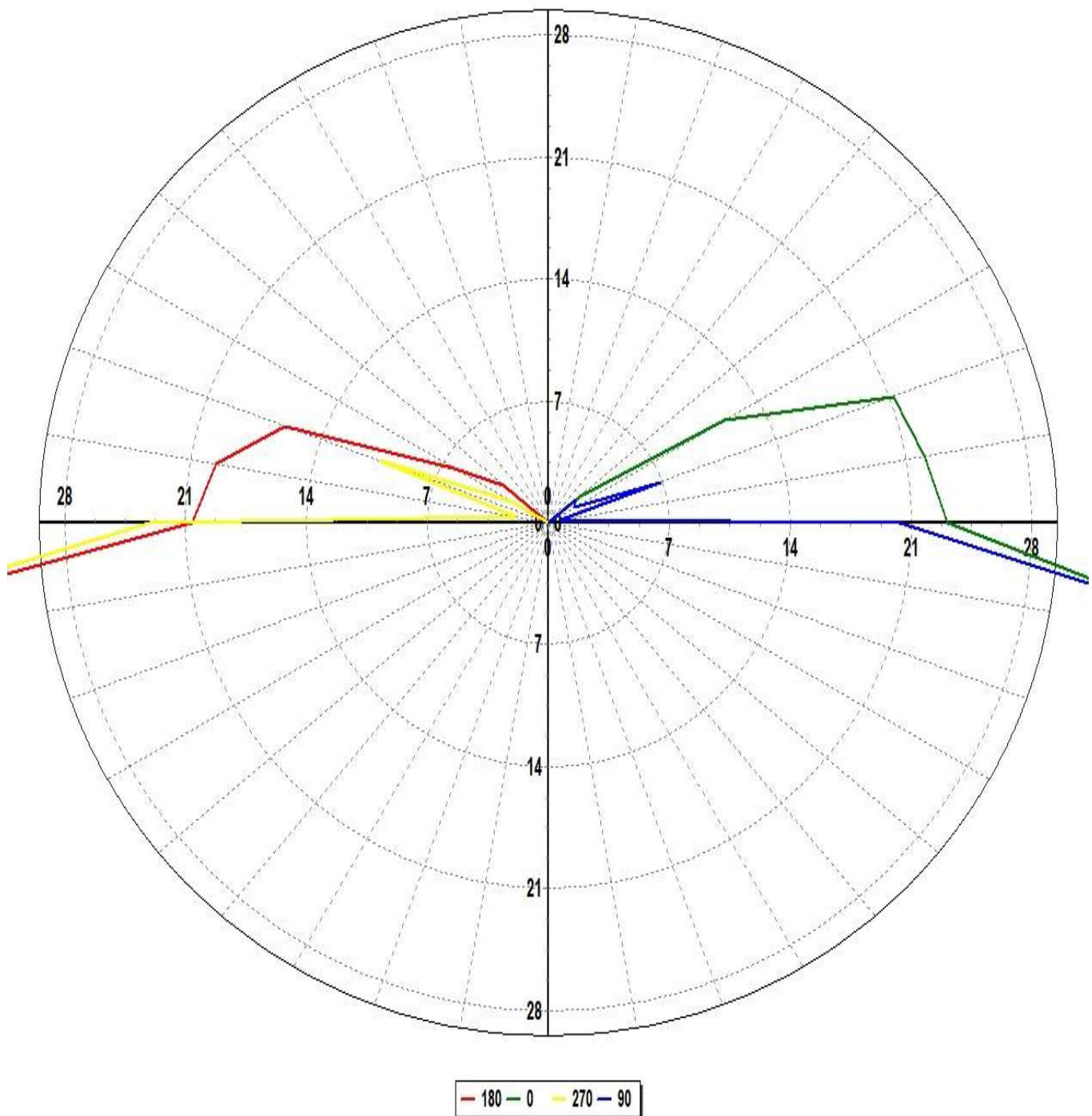
Total flux (lm) 374

Power Factor 1

Operator CGR

Date 2020-06-08 오전 11:59:12

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp				Report	200608
No. of lamps	1	Voltage (V)	24	Filename	200608 NMP5 57K-24V-90D-BK.jdt
Lamp flux (lm)	374	Current (A)	0.215	Operator	CGR
Total flux (lm)	374	Power Factor	1	Date	2020-06-08 오전 11:59:12

Luminous Intensity Data

Maximum (cd) : 110

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	110.22	109.73	109.12	108.35	107.72	108.18	110.22	109.73	109.12	108.35	107.72
10	107.77	107.36	107.59	106.82	106.97	106.47	109.16	109.23	107.41	107.04	106.74
20	102.83	102.1	102.47	101.97	102.19	103.54	104.75	104.12	104.02	103.78	102.53
30	94.47	93.57	94.04	93.54	95.7	94.83	97.92	97.64	95.94	94.89	94.94
40	82.43	82.78	82.63	83.09	84.29	84.84	87.01	87.09	86.19	84.7	83.79
50	68.58	69.4	69.76	68.58	70.83	71.2	73.02	74.68	73.08	71.3	70.81
60	51.73	52.64	54.04	52.67	55.41	56.23	58.02	58.93	57.8	55.91	54.69
70	33.81	35.28	36.37	35.84	38.89	39.43	39.57	42.03	40.53	38.38	37.96
80	16.05	17.83	17.84	17.33	21.15	20.82	21.96	23.7	22.55	20.88	20.48
90	8.64	7.14	6.94	7.6	9.17	10.05	7.71	9.46	8.41	8.63	11.43
100	8.27	7.86	7.58	0.29	6.36	7.72	7.31	6.78	5.66	0.71	10.87
110	7.95	8.39	7.76	2.59	5.68	6.96	6.08	7.44	4.18	3.87	9.36
120	4.4	7.71	4.09	0.65	1.74	5.86	2.36	6.3	1.87	0.95	4.74
130	0.9	3.59	3.8	0.78	2.43	0.19	1.27	1.05	2.69	0	4.95

Luminaire

Lamp

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Total flux (lm)	374	Power Factor	1	Operator	CGR
				Date	2020-06-08 오전 11:59:12

Luminous Intensity Data (Continued)

Maximum (cd) : 110

Minimum (cd) : 0

G/C	330	360
0	108.18	110.22
10	106.56	107.77
20	102.03	102.83
30	94.21	94.47
40	83.48	82.43
50	70.88	68.58
60	54.53	51.73
70	37.42	33.81
80	20.43	16.05
90	11.24	8.64
100	10.41	8.27
110	9.96	7.95
120	8.66	4.4
130	4.17	0.9

Luminaire

Lamp

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Luminous Flux Table

Total Lamp Lumens:	374
Luminaire Efficiency (lm/W):	374.40
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.60	2.60	0.70	0.70
10	20.43	23.03	6.15	6.15
20	38.59	61.63	16.46	16.46
30	52.10	113.73	30.38	30.38
40	59.39	173.12	46.24	46.24
50	59.58	232.69	62.15	62.15
60	52.37	285.07	76.14	76.14
70	39.07	324.13	86.57	86.57
80	21.66	345.80	92.36	92.36
90	9.71	355.51	94.95	94.95
100	7.17	362.69	96.87	96.87
110	6.88	369.57	98.71	98.71
120	3.90	373.47	99.75	99.75
130	0.94	374.40	100.00	100.00

Luminaire

Lamp

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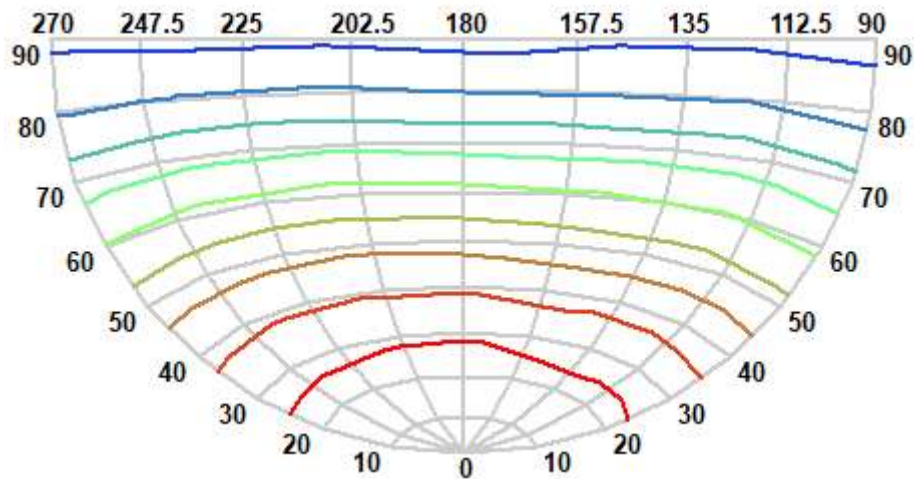
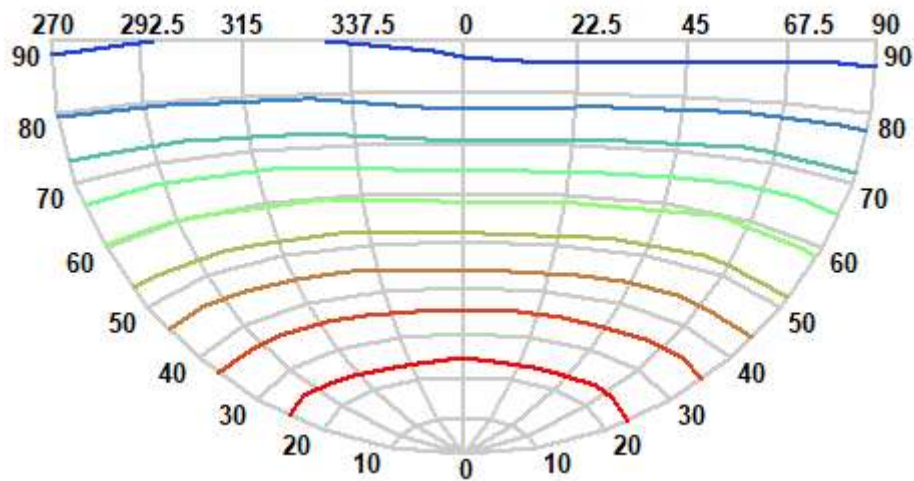
Operator CGR

Total flux (lm) 374

Power Factor 1

Date 2020-06-08 오전 11:59:12

IsoCandela (Type C)



Luminaire

Lamp

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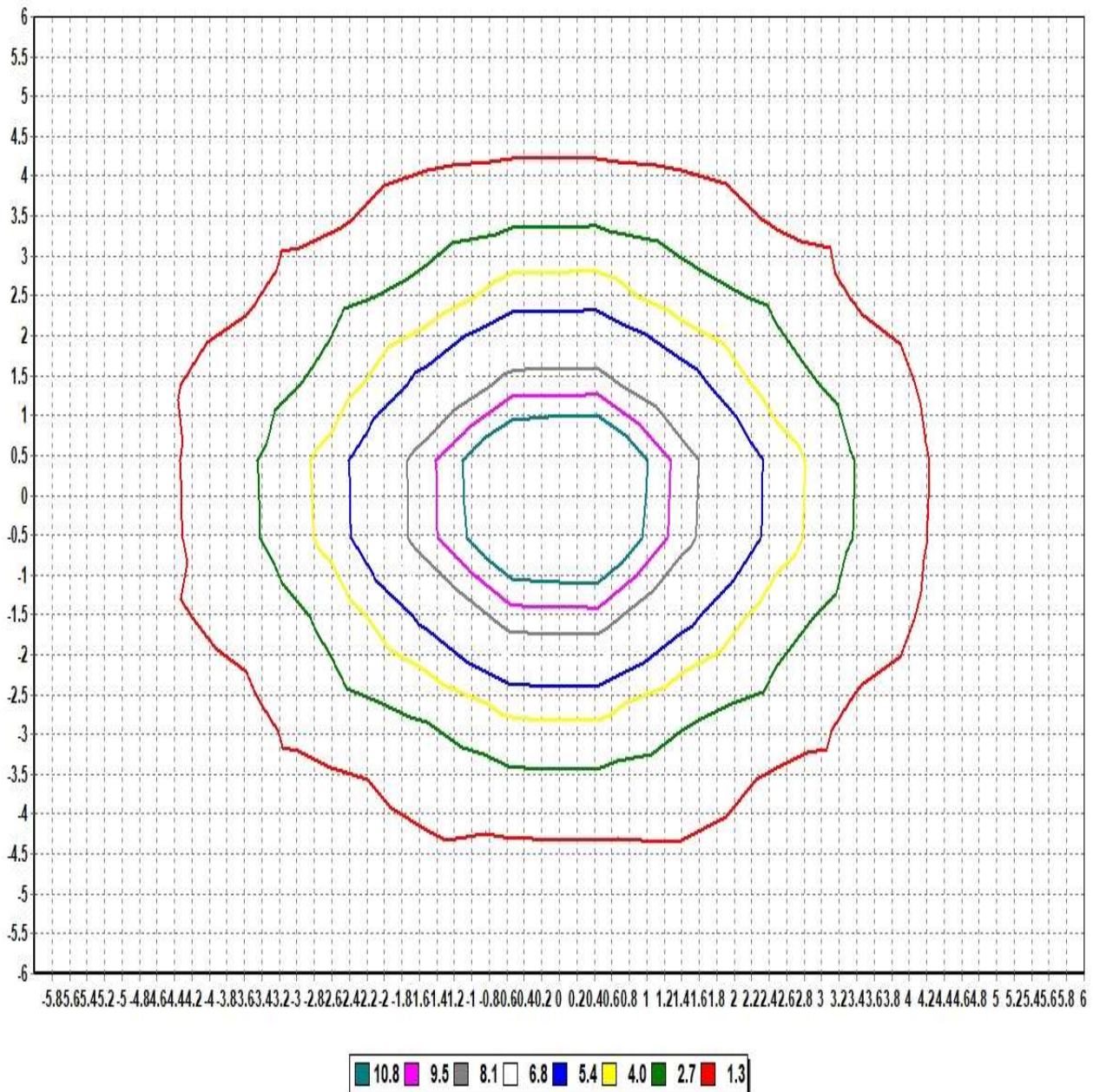
Total flux (lm) 374

Power Factor 1

Operator CGR

Date 2020-06-08 오전 11:59:12

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

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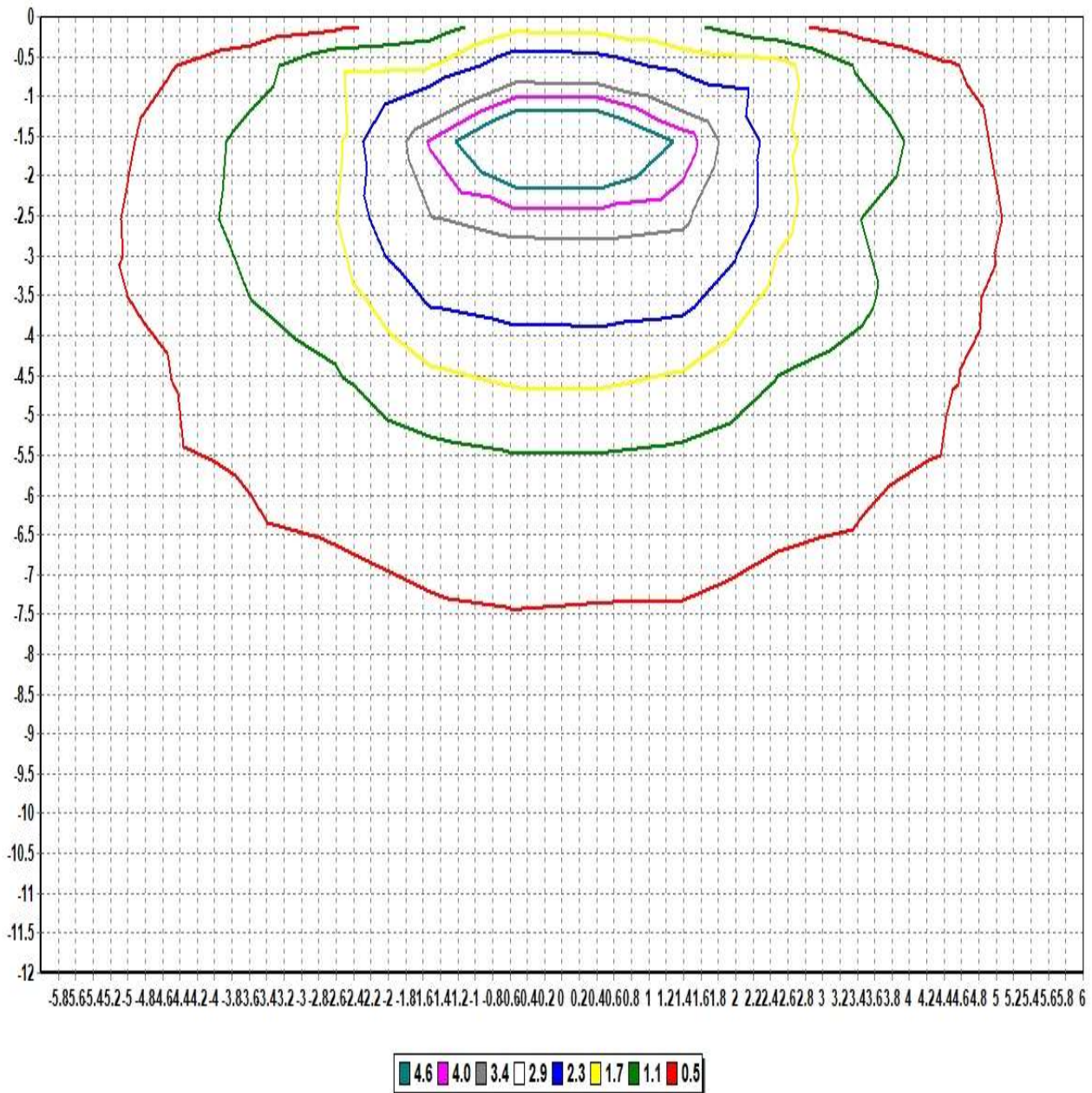
Operator CGR

Total flux (lm) 374

Power Factor 1

Date 2020-06-08 오전 11:59:12

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)	374	Current (A)	0.215
Total flux (lm)	374	Power Factor	1

Report 200608
Filename 200608 NMP5 57K-24V-90D-BK.jdt
Operator CGR
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Illuminance Levels (Ground)

6.00	0.19	0.25	0.22	0.30	0.36	0.39	0.41	0.39	0.34	0.28	0.22	0.25	0.18
5.00	0.26	0.24	0.33	0.45	0.80	0.93	0.97	0.92	0.79	0.46	0.33	0.22	0.24
4.00	0.24	0.35	0.69	0.98	1.08	1.32	1.42	1.32	1.04	0.99	0.67	0.32	0.21
3.00	0.30	0.48	1.01	1.23	2.32	2.65	2.93	2.64	2.32	1.20	0.97	0.43	0.27
2.00	0.37	0.81	1.08	2.38	3.38	5.30	6.17	5.21	3.34	2.31	1.03	0.78	0.33
1.00	0.43	0.97	1.40	2.69	5.31	9.19	12.07	9.15	5.21	2.62	1.32	0.94	0.39
0.00	0.45	1.04	1.54	3.11	6.46	12.33	15.12	12.17	6.16	2.93	1.41	0.97	0.39
-1.00	0.42	0.97	1.40	2.80	5.48	9.47	12.10	9.24	5.27	2.68	1.32	0.93	0.38
-2.00	0.39	0.85	1.15	2.44	3.55	5.48	6.28	5.28	3.43	2.35	1.07	0.81	0.36
-3.00	0.32	0.49	1.04	1.32	2.43	2.80	3.04	2.69	2.37	1.26	1.00	0.47	0.29
-4.00	0.24	0.37	0.73	1.04	1.15	1.39	1.49	1.39	1.07	1.01	0.70	0.34	0.23
-5.00	0.27	0.26	0.37	0.50	0.85	0.97	1.01	0.97	0.81	0.48	0.35	0.25	0.25
-6.00	0.21	0.27	0.25	0.32	0.39	0.42	0.43	0.43	0.36	0.29	0.23	0.26	0.20
-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.) : 15.1

Illum. (Min.) : 0.18

Illum. (Avg.) : 1.87

All illuminance level values are in lux.



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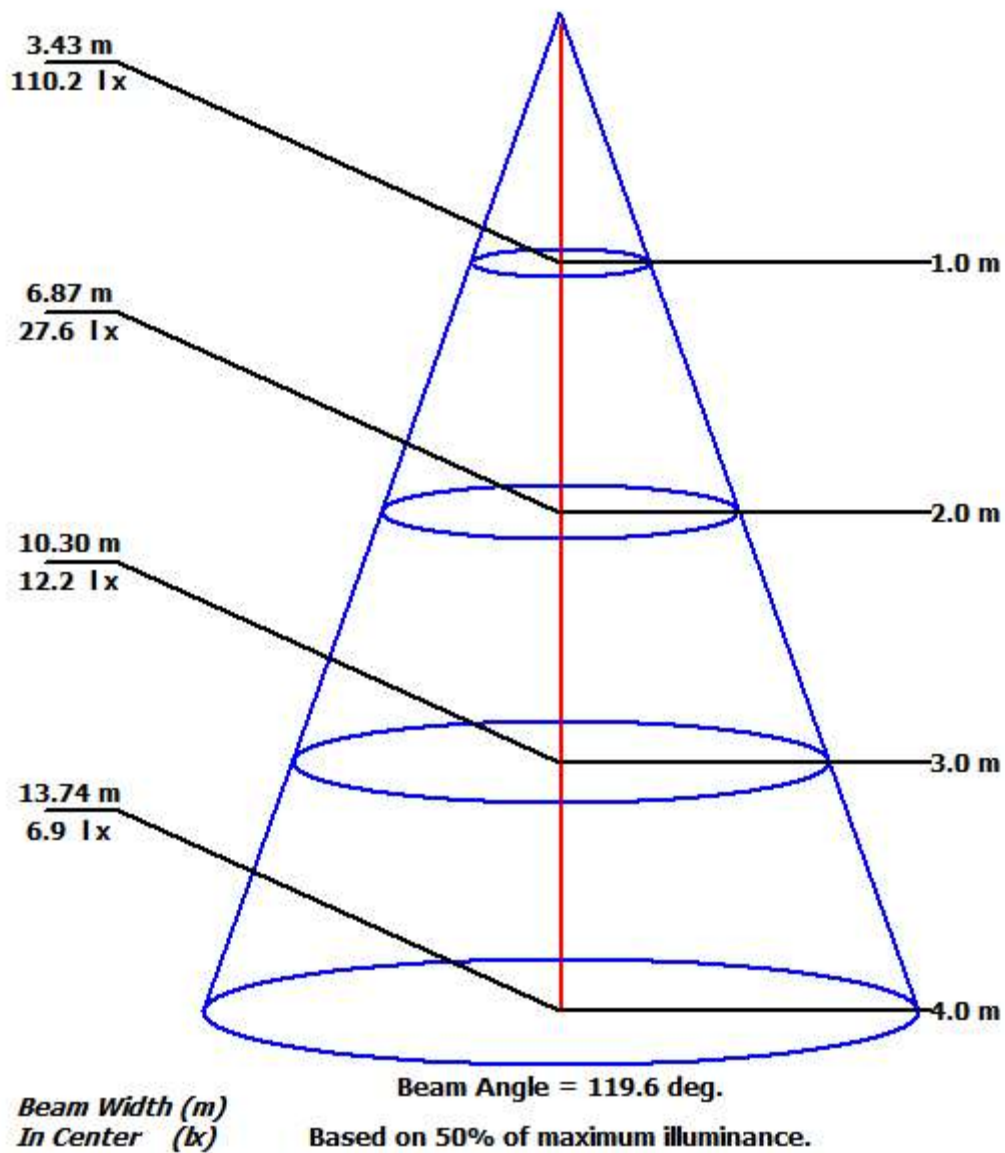
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Power Factor 1

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Illuminance Cone Diagram





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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

