

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 35K-24V-90D-BK

5. Test Period : 200608 ~ 200608

6. Test Environment

* Ambient Temp. : 23.8 +- 3 °C
* Relative Humidity : 66.1 +- 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		0.4055 , 0.3863	
Correlated Color Temperature	K	3475	
Ra		92.93	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.214	
Input Watt	W	5.13	
Lamp Flux	lm	345.4	
Efficient	lm/W	67.25	
luminous Intensity (Max , Center)	cd	102 , 102	
Illuminance	lx	102	1 m
		25	2 m
		11	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) 345

Current (A) 0.214

Filename 200608 NMP5 35K-24V-90D-BK.jdt

Total flux (lm) 345

Power Factor 1

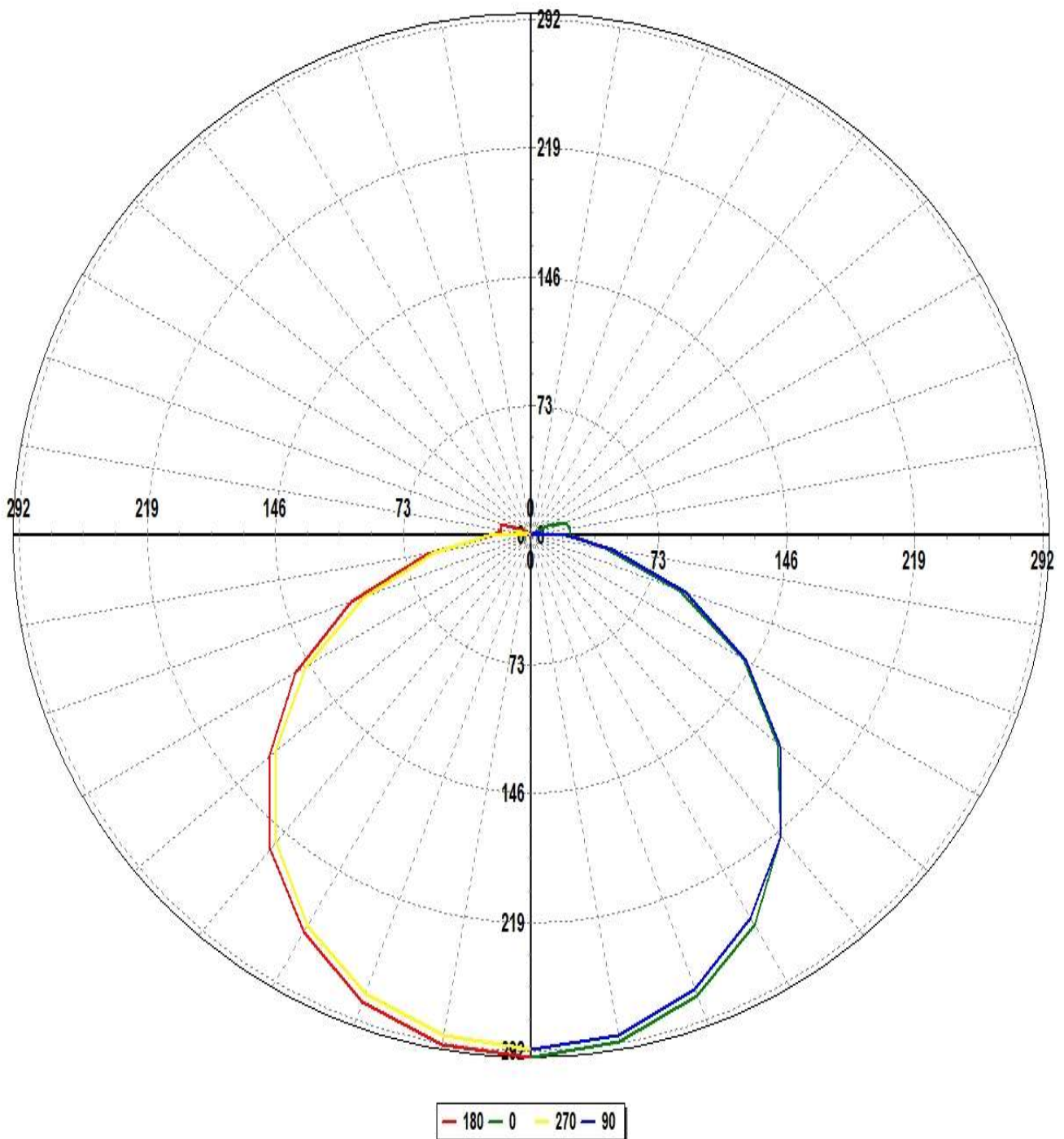
Operator

CGR

Date

2020-06-08 오전 11:02:11

Luminous Intensity Distribution



Luminaire

Lamp

Report

200608

No. of lamps 1

Voltage (V) 24

Filename 200608 NMP5 35K-24V-90D-BK.jdt

Lamp flux (lm) 345

Current (A) 0.214

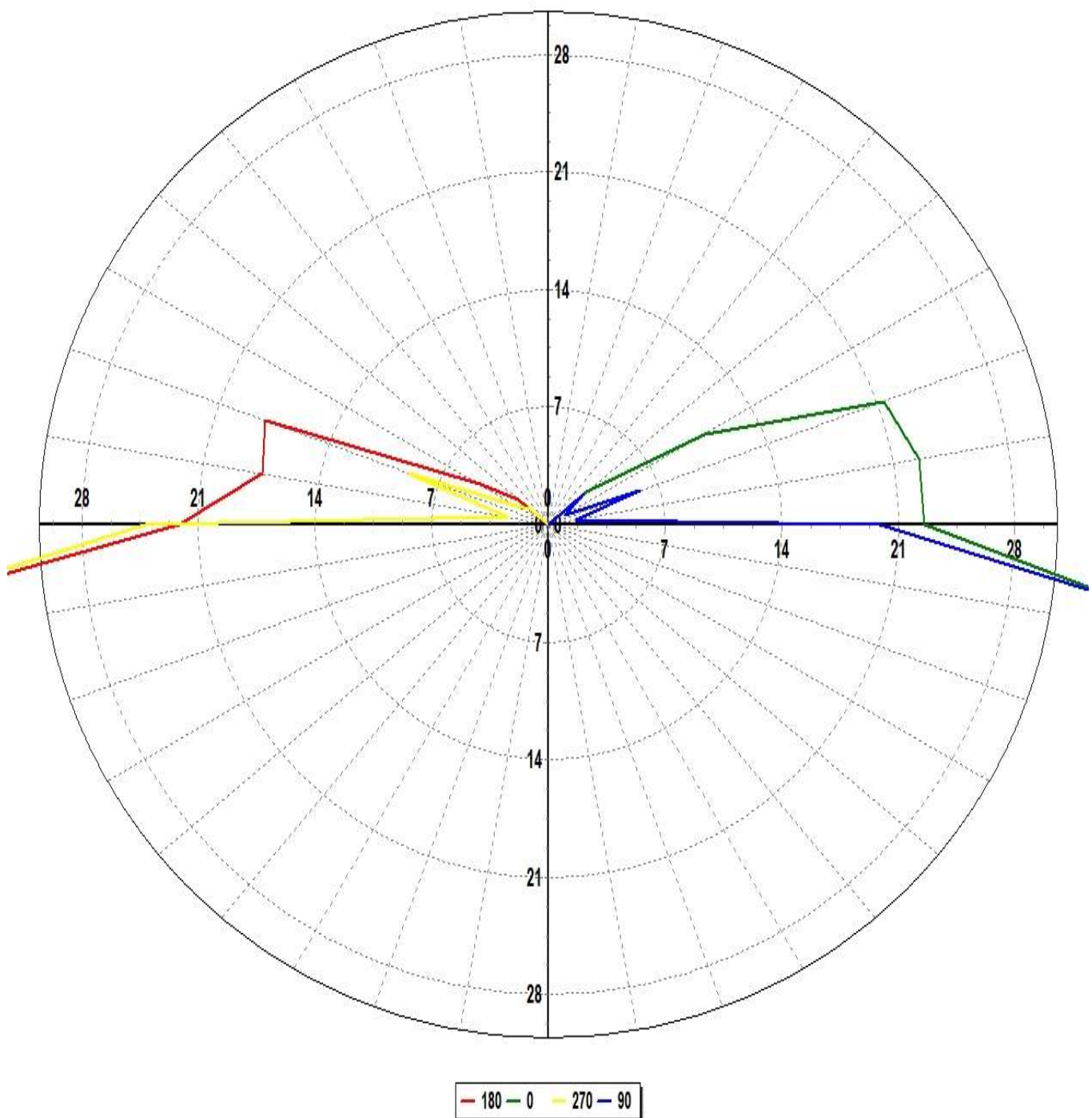
Operator CGR

Total flux (lm) 345

Power Factor 1

Date 2020-06-08 오전 11:02:11

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp				Report	200608
No. of lamps	1	Voltage (V)	24	Filename	200608 NMP5 35K-24V-90D-BK.jdt
Lamp flux (lm)	345	Current (A)	0.214	Operator	CGR
Total flux (lm)	345	Power Factor	1	Date	2020-06-08 오전 11:02:11

Luminous Intensity Data

Maximum (cd) : 102

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	101.94	101.4	100.85	100.33	99.93	100.72	101.94	101.4	100.85	100.33	99.93
10	100.44	99.16	99.26	99.27	99.2	98.49	101.08	101.01	99.8	99.21	98.87
20	95.59	94.78	95.13	94.19	94.73	94.25	96.94	96.65	96.35	95.23	94.62
30	87.88	87.63	86.78	86.3	87.62	88.03	89.51	90.67	88.71	88.15	87.93
40	76.51	76.56	76.96	76.57	77.6	77.22	79.86	80.52	79.37	78.04	77.86
50	63.25	64.04	64.12	63.89	65.91	65.87	67.34	68.6	67.47	65.66	65.41
60	48.2	48.76	49.51	48.81	50.7	51.56	53.69	54.35	53.47	51.29	51.66
70	31.17	31.41	33.41	32.41	35.16	35.24	37.65	38.68	37.24	34.91	35.9
80	14.85	15.91	17.44	16.29	18.86	18.54	20.78	21.61	20.85	19.35	19.76
90	7.79	6.06	7.03	6.86	8.83	8.74	7.65	8.16	8.11	8.33	10.17
100	7.79	7.11	6.57	0.58	5.63	6.3	6.01	6.59	5.81	0.87	10.16
110	7.4	7.22	7.04	2.02	5.2	6.71	6.24	7.31	4.48	3.09	8.32
120	3.73	6.24	3.71	0.39	2.61	4.82	1.63	5.47	1.07	0.75	3.51
130	1.03	2.97	5.05	0.97	2.97	1.42	0.81	1.74	2.53	0.48	4.05

Luminaire

Lamp

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Total flux (lm)	345	Power Factor	1	Operator	CGR
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Luminous Intensity Data (Continued)

Maximum (cd) : 102

Minimum (cd) : 0

G/C	330	360
0	100.72	101.94
10	98.61	100.44
20	94.34	95.59
30	87.67	87.88
40	76.94	76.51
50	65.18	63.25
60	50.61	48.2
70	34.8	31.17
80	18	14.85
90	9.99	7.79
100	8.88	7.79
110	8.89	7.4
120	8.39	3.73
130	3.24	1.03

Luminaire

Lamp

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Luminous Flux Table

Total Lamp Lumens:	345
Luminaire Efficiency (lm/W):	345.38
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	2.41	2.41	0.70	0.70
10	18.93	21.34	6.18	6.18
20	35.67	57.01	16.51	16.51
30	48.23	105.25	30.47	30.47
40	54.79	160.04	46.33	46.34
50	55.01	215.05	62.26	62.26
60	48.42	263.47	76.28	76.28
70	35.85	299.32	86.66	86.66
80	19.98	319.29	92.44	92.45
90	8.92	328.21	95.02	95.03
100	6.50	334.71	96.91	96.91
110	6.34	341.05	98.74	98.75
120	3.35	344.40	99.71	99.71
130	0.99	345.38	100.00	100.00

Luminaire

Lamp

Report

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Current (A) 0.214

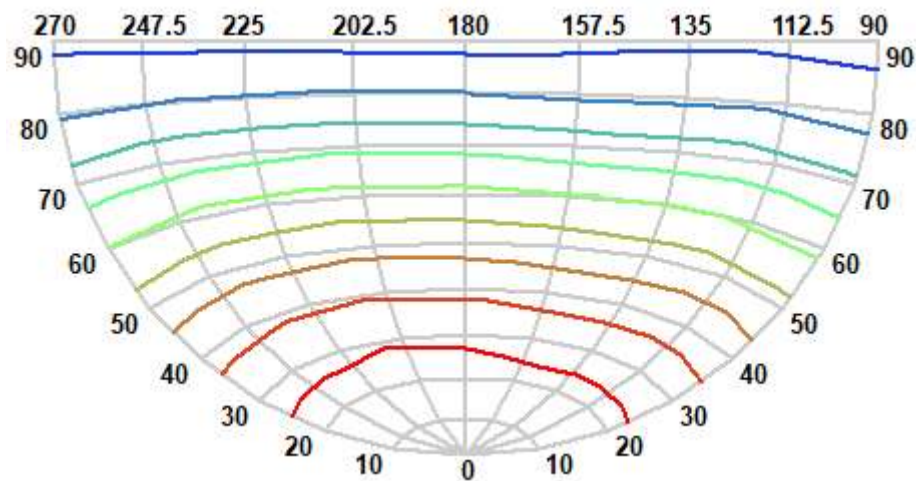
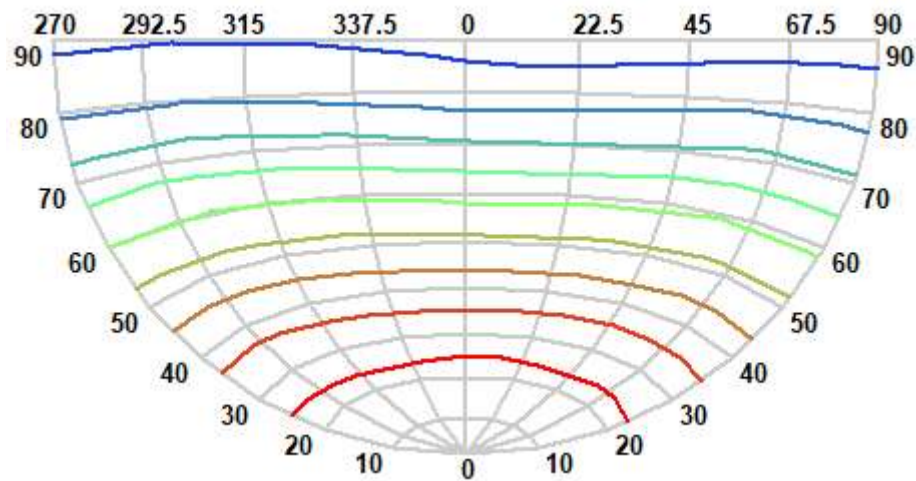
Operator CGR

Total flux (lm) 345

Power Factor 1

Date 2020-06-08 오전 11:02:11

IsoCandela (Type C)

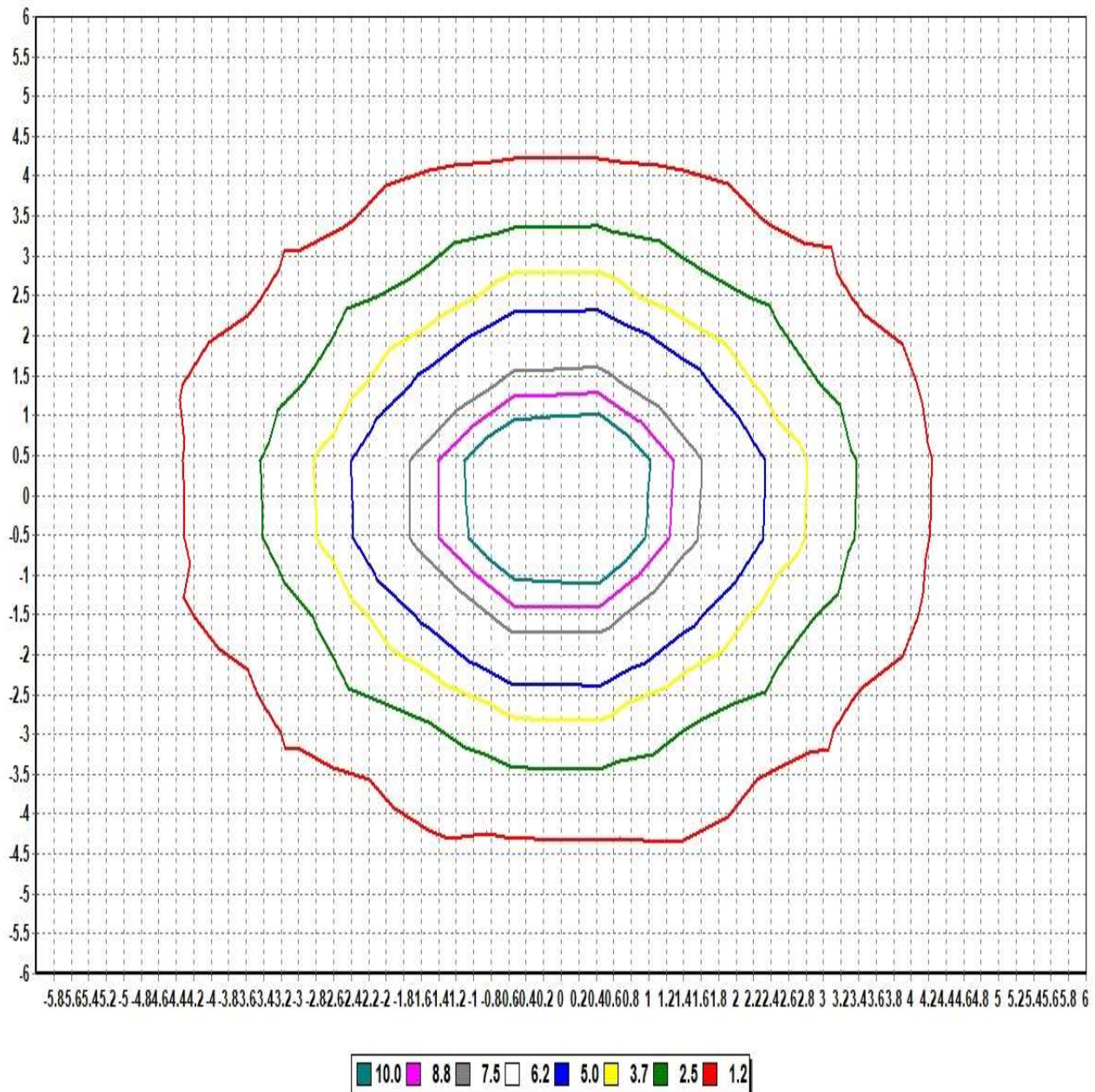


Luminaire

Lamp

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

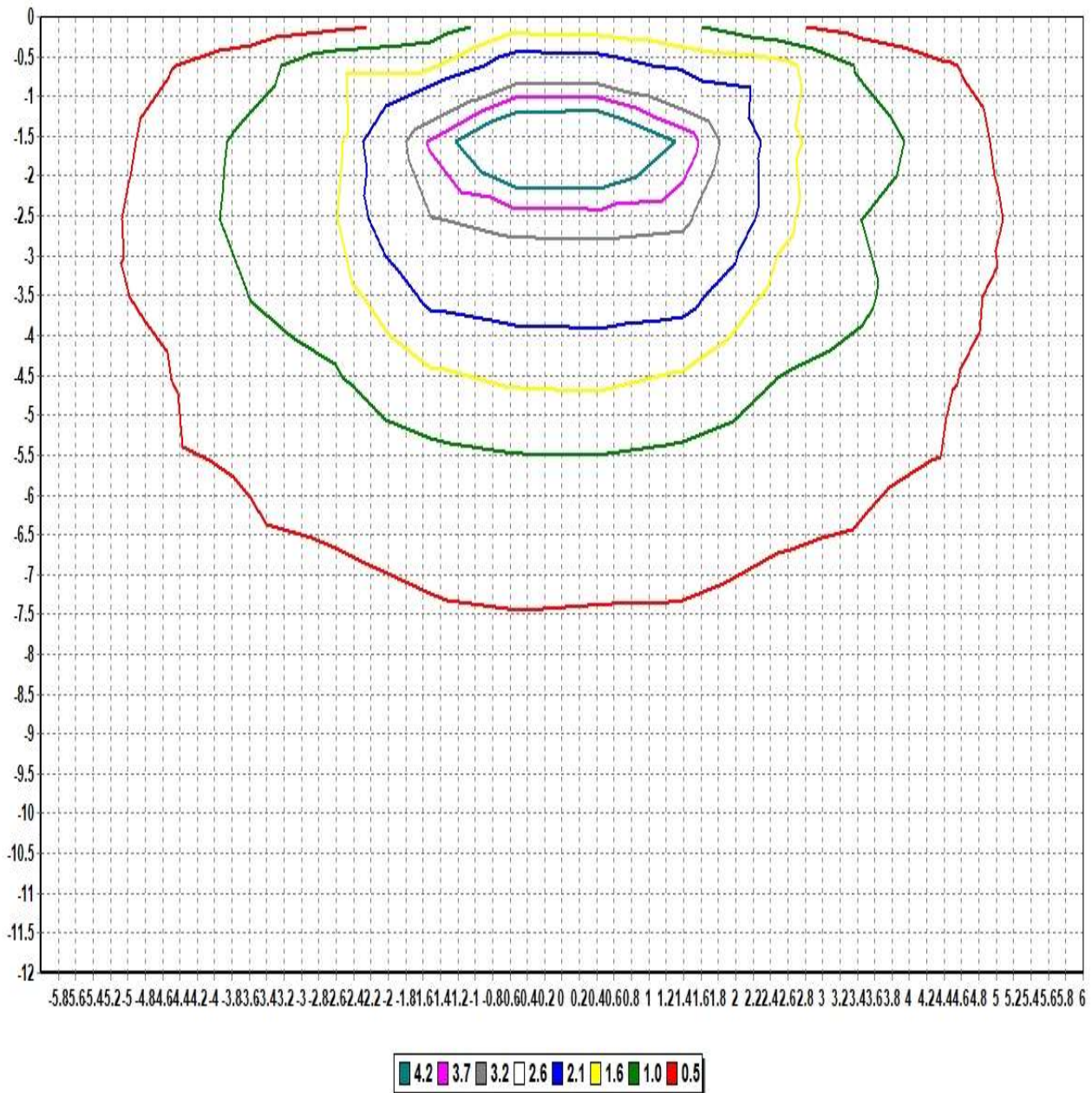
Total Optical Solution Provider

Luminaire

Lamp

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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)	345	Current (A)	0.214
Total flux (lm)	345	Power Factor	1

Report 200608
Filename 200608 NMP5 35K-24V-90D-BK.jdt
Operator CGR
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Illuminance Levels (Ground)

6.00	0.18	0.23	0.20	0.27	0.32	0.36	0.37	0.36	0.31	0.25	0.20	0.23	0.17
5.00	0.24	0.22	0.30	0.41	0.74	0.86	0.90	0.86	0.73	0.42	0.30	0.20	0.22
4.00	0.21	0.32	0.64	0.91	0.99	1.22	1.32	1.22	0.96	0.91	0.62	0.29	0.19
3.00	0.27	0.44	0.93	1.14	2.15	2.47	2.73	2.43	2.15	1.11	0.90	0.40	0.25
2.00	0.33	0.75	0.99	2.18	3.13	4.88	5.69	4.83	3.09	2.14	0.95	0.72	0.30
1.00	0.40	0.90	1.29	2.50	4.88	8.46	11.21	8.53	4.82	2.42	1.22	0.86	0.37
0.00	0.42	0.96	1.42	2.87	5.92	11.42	13.98	11.34	5.73	2.71	1.30	0.89	0.36
-1.00	0.39	0.89	1.29	2.58	5.06	8.74	11.21	8.55	4.90	2.48	1.22	0.86	0.36
-2.00	0.36	0.78	1.06	2.24	3.27	5.06	5.80	4.90	3.17	2.17	1.01	0.75	0.34
-3.00	0.30	0.46	0.96	1.22	2.24	2.58	2.80	2.48	2.19	1.17	0.93	0.43	0.28
-4.00	0.23	0.34	0.68	0.96	1.06	1.28	1.37	1.29	1.01	0.93	0.65	0.32	0.21
-5.00	0.25	0.25	0.34	0.46	0.78	0.89	0.93	0.90	0.75	0.44	0.32	0.23	0.24
-6.00	0.19	0.25	0.23	0.30	0.36	0.39	0.40	0.39	0.34	0.28	0.21	0.24	0.18
-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.) : 14.0

Illum. (Min.) : 0.17

Illum. (Avg.) : 1.73

All illuminance level values are in lux.



Luminaire

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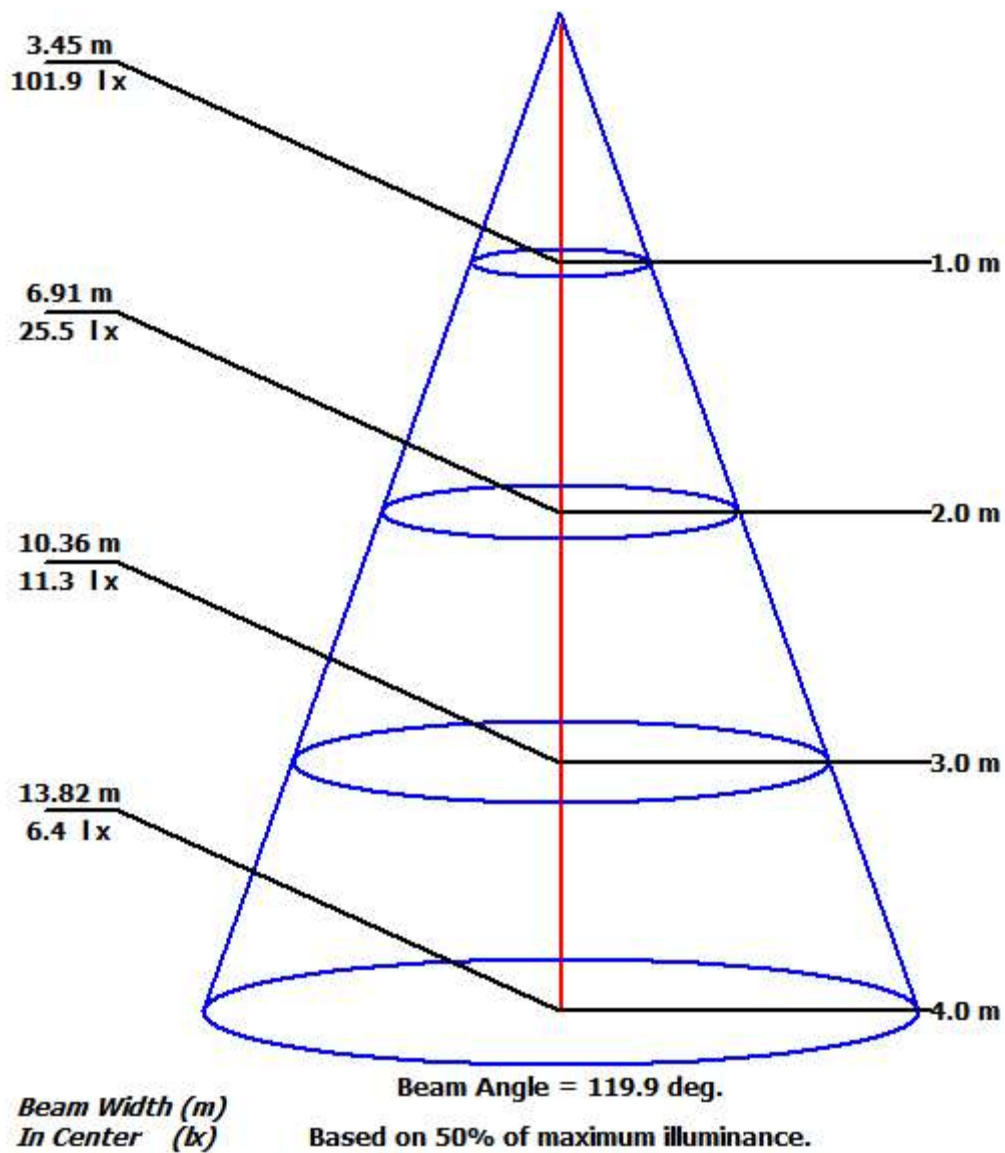
Operator CGR

Total flux (lm) 345

Power Factor 1

Date 2020-06-08 오전 11:02:11

Illuminance Cone Diagram





Luminaire

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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

