

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 : 191226

2. Purpose of Report :

3. Number of Report : 191226

4. Test Standard / Item : / 191226 NDP11 60K-24V-C90 SF1806 VER 3.1e 28LM9

5. Test Period : 191226 ~ 191226

6. Test Environment

* Ambient Temp. : 23.0 +- 3 °C
* Relative Humidity : 45.0 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* Rating :
* Model : FEELUX

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	CGR	Sign

- * The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- * This report cannot be reproduced, 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
191226	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3326 , 0.3385	
Correlated Color Temperature	K	5490	
Ra		93.23	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.447	
Input Watt	W	10.74	
Lamp Flux	lm	850.3	
Efficient	lm/W	79.26	
luminous Intensity (Max , Center)	cd	273 , 273	
Illuminance	lx	273	1 m
		68	2 m
		30	3 m

* This test result is for the sample provided by the client.

* Sample photo

Click to load image

Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 60K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 850

CurrentOperator 0.447

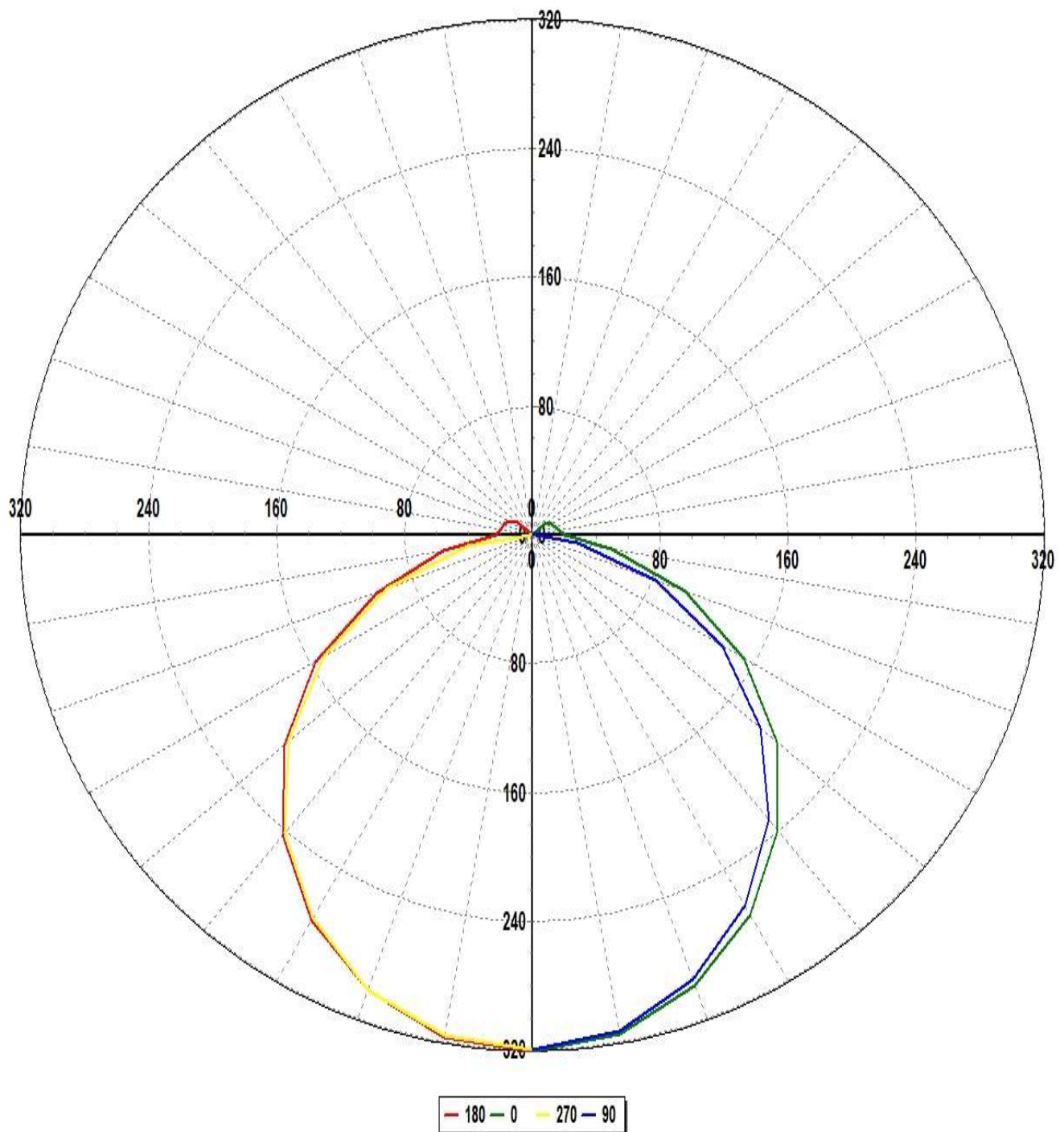
CGR

Total flux (lm) 850

Power Date# 1

2019-12-26 오전 11:14:50

Luminous Intensity Distribution



Luminaire

Lamp

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191226

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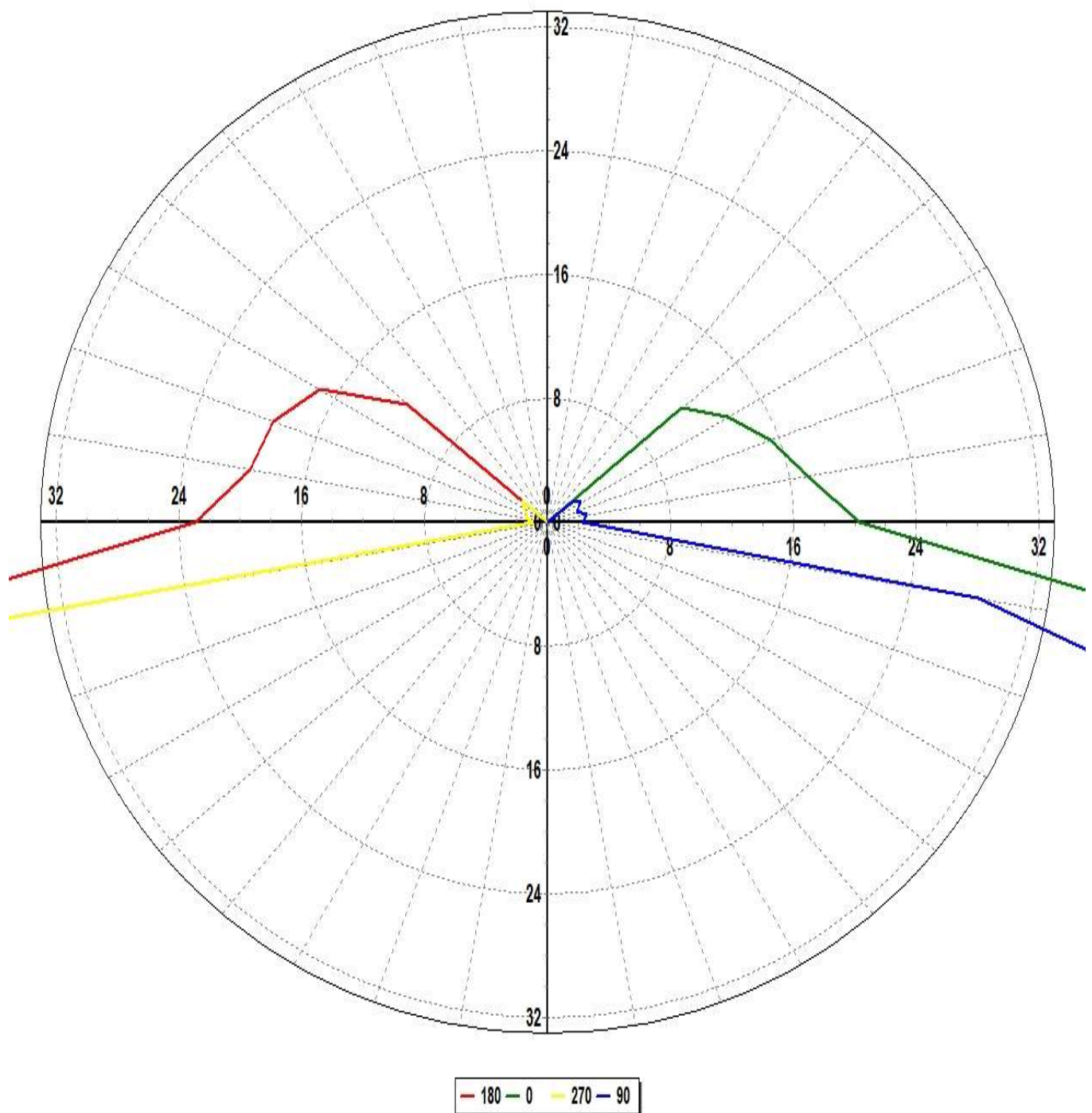
CGR

Total flux (lm) 850

Power Date 1

2019-12-26 오전 11:14:50

Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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Power Date# 1

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Luminous Intensity Data

Maximum (cd) : 273

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	272.56	271.99	273.33	272.01	271.69	273.17	272.56	271.99	273.33	272.01	271.69
10	267.4	266.86	266.68	266.06	266.14	267.42	269.17	269.19	269.29	268.29	267.84
20	253.12	252.65	251.37	249.9	251.5	252.99	255.96	257.07	255.74	255.38	255.51
30	231.9	230.03	229.15	226.48	228.24	229.37	235.09	235.72	234.3	233.62	233.21
40	203.36	201.34	197.78	196.28	199.28	200.87	206.63	208.57	205.65	204.93	205.58
50	169.79	165.97	163.27	158.56	163.24	163.67	171.92	173.57	170.4	168.93	170.78
60	130.03	125.6	121.45	116.81	120.23	123.87	133	133.87	129.13	127.8	129.22
70	86.75	81.73	74.82	69.75	75.74	80.51	88.21	89.85	83.62	82.15	85.59
80	42.77	38.83	30.91	24.2	31.54	39.18	48.23	45.9	38.87	35.15	39.86
90	17.25	14.75	7.12	1.95	8.21	15.11	19.5	16.12	8.84	0.79	7.94
100	14.61	12.55	6.54	2.2	8.29	14.09	16.7	13.84	7.61	1.23	6.69
110	13.12	11.17	5.22	1.7	5.62	13.96	16.15	13.79	6.68	1.2	6.65
120	11.54	7.41	1.47	2.15	1.79	7.93	14.54	11.23	1.8	1.47	1.75
130	9.72	2.59	5.06	1.9	3.89	2.42	10.1	7.36	4.84	1.86	4.22



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Total flux (lm) 850

Power Date#r 1

2019-12-26 오전 11:14:50

Luminous Intensity Data (Continued)

Maximum (cd) : 273

Minimum (cd) : 1

G/C	330	360
0	273.17	272.56
10	268.42	267.4
20	255.84	253.12
30	235.56	231.9
40	208.15	203.36
50	174.17	169.79
60	134.89	130.03
70	91.37	86.75
80	47.03	42.77
90	15.92	17.25
100	13.12	14.61
110	11.31	13.12
120	9.61	11.54
130	5.2	9.72





Luminaire

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Power Date 1

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Luminous Flux Table

Total Lamp Lumens: 850

Luminaire Efficiency (lm/W): 850.28

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	6.51	6.51	0.77	0.77
10	50.92	57.43	6.75	6.75
20	95.12	152.55	17.94	17.94
30	126.99	279.53	32.87	32.88
40	143.05	422.59	49.70	49.70
50	140.83	563.42	66.26	66.26
60	120.61	684.03	80.45	80.45
70	84.92	768.94	90.43	90.43
80	41.57	810.51	95.32	95.32
90	12.18	822.70	96.75	96.76
100	10.56	833.25	98.00	98.00
110	9.14	842.39	99.07	99.07
120	5.75	848.14	99.75	99.75
130	2.14	850.28	100.00	100.00



Luminaire

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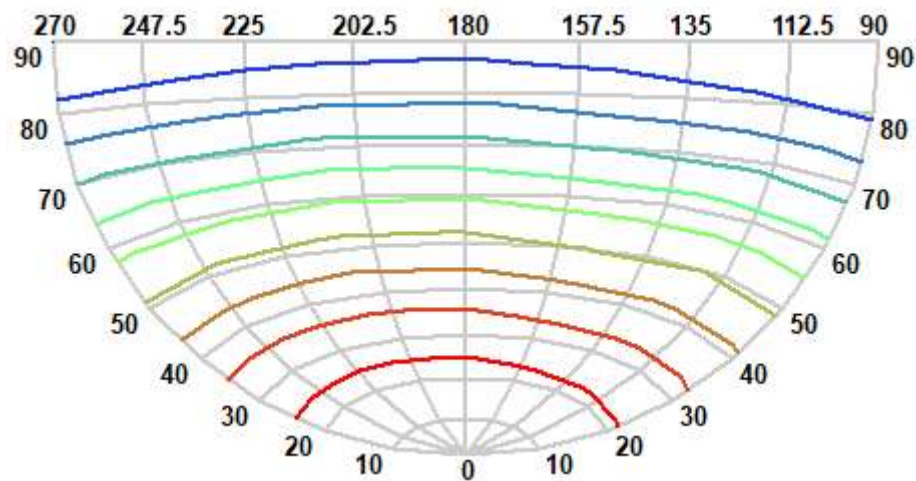
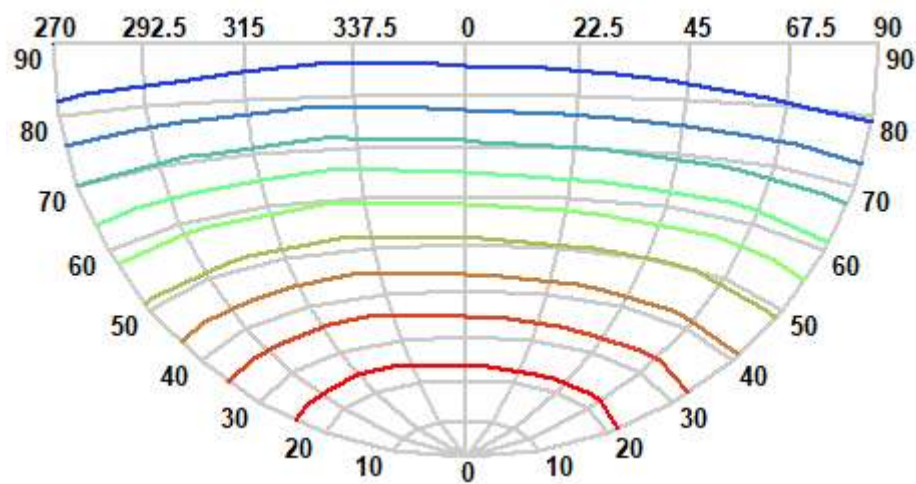
CGR

Total flux (lm) 850

Power Date# 1

2019-12-26 오전 11:14:50

IsoCandela (Type C)



1 ~ 28	137 ~ 164
28 ~ 55	164 ~ 192
55 ~ 83	192 ~ 219
83 ~ 110	219 ~ 246
110 ~ 137	246 ~ 273

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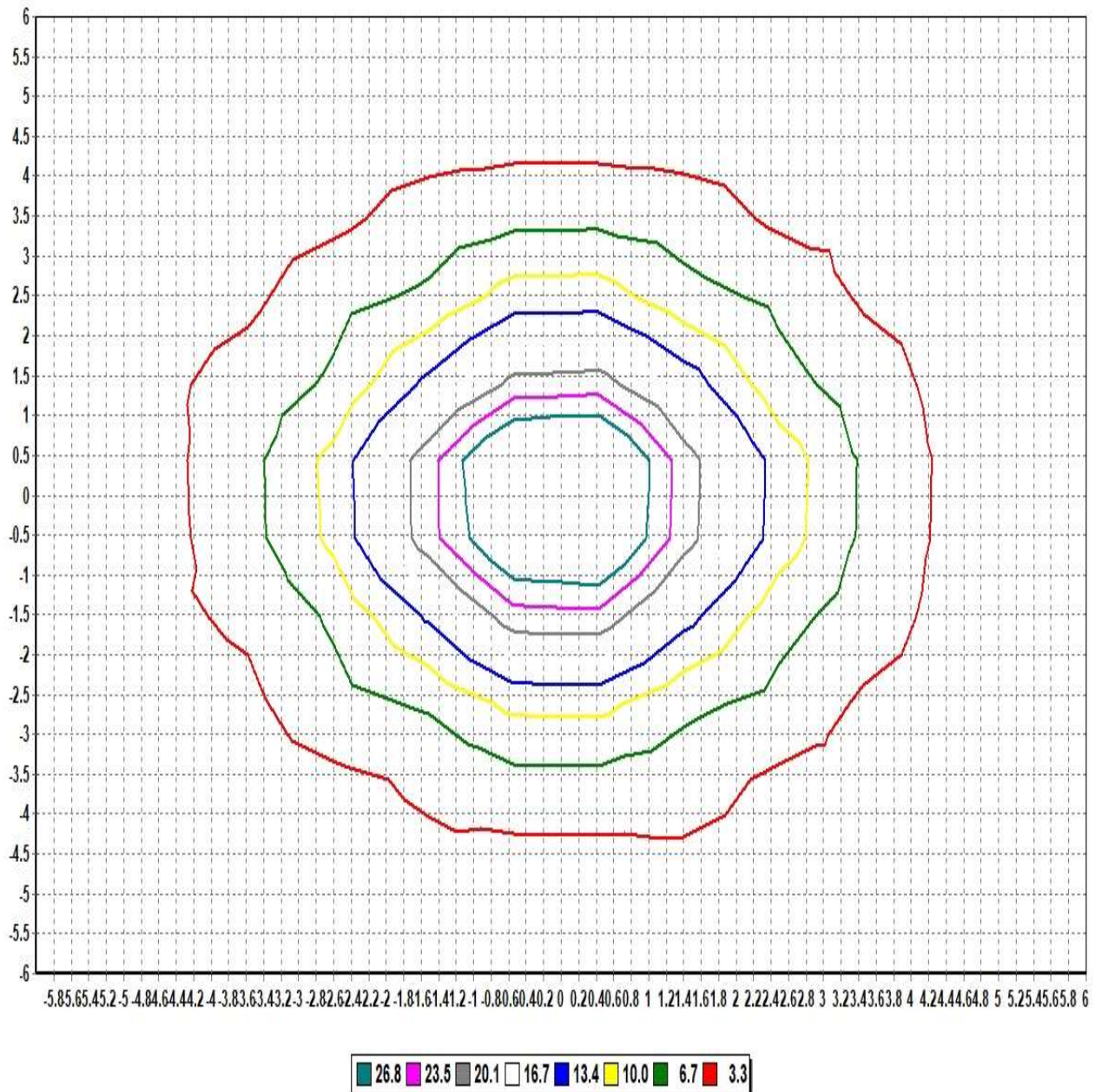
CGR

Total flux (lm) 850

Power Date# 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

191226

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Lamp flux (lm) 850

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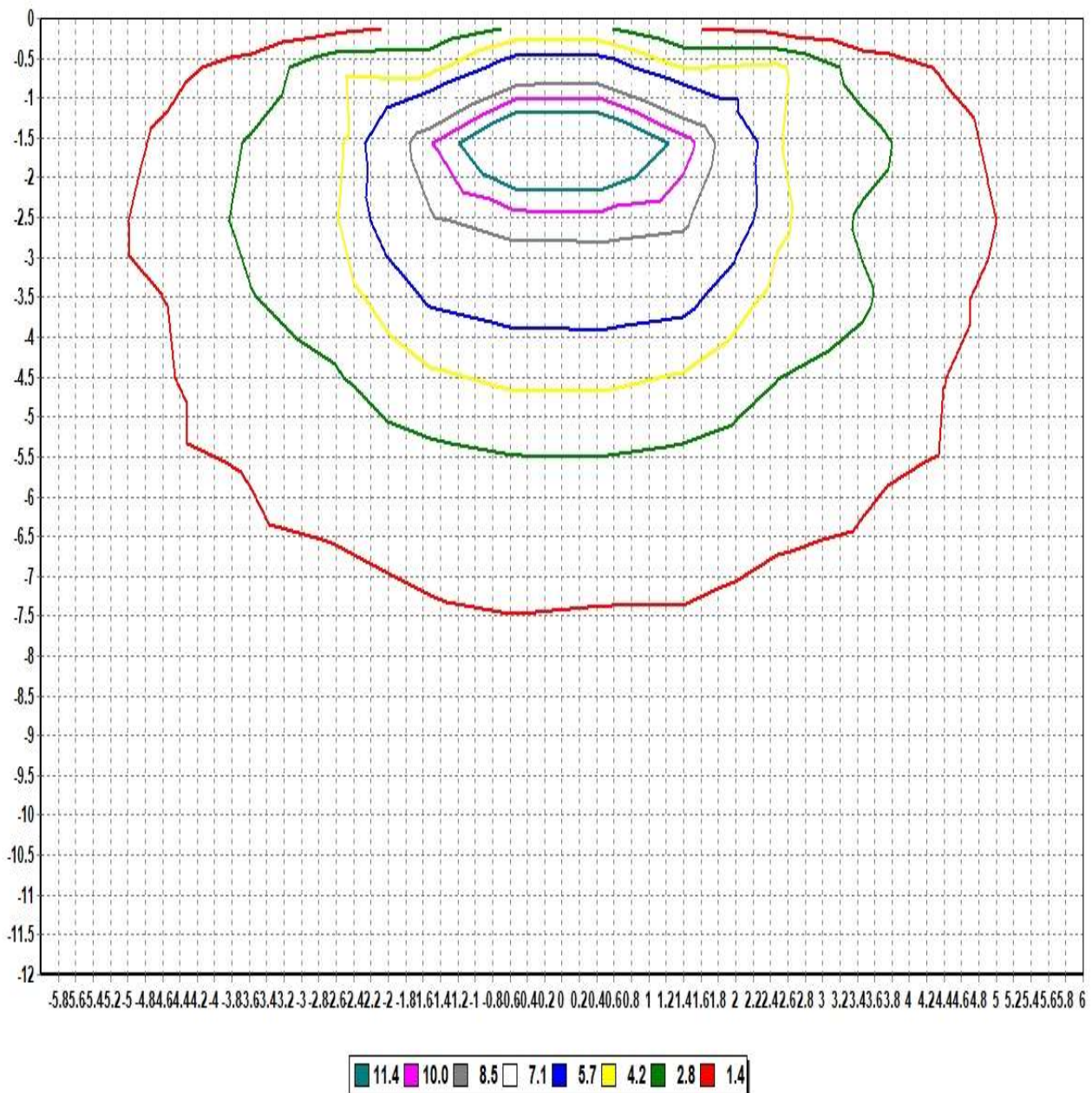
CGR

Total flux (lm) 850

Power Date:r 1

2019-12-26 오전 11:14:50

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)	850	Current (A)	0.447
Total flux (lm)	850	Power Factor	1

Report

191226

Filename 191226 NDP11 60K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Operator

CGR

Date

2019-12-26 오전 11:14:50

Illuminance Levels (Ground)

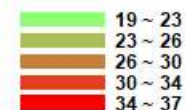
6.00	0.41	0.54	0.43	0.60	0.73	0.84	0.85	0.82	0.77	0.64	0.46	0.57	0.45
5.00	0.57	0.48	0.68	0.94	1.82	2.15	2.23	2.13	1.87	0.99	0.72	0.55	0.60
4.00	0.49	0.74	1.56	2.25	2.36	2.99	3.21	2.99	2.46	2.31	1.64	0.79	0.52
3.00	0.61	1.03	2.31	2.74	5.46	6.13	6.82	6.26	5.53	2.92	2.39	1.09	0.65
2.00	0.76	1.84	2.38	5.58	7.88	12.53	14.72	12.66	8.15	5.68	2.47	1.90	0.81
1.00	0.95	2.26	3.19	6.20	12.57	22.20	30.04	22.52	12.70	6.35	3.28	2.31	0.98
0.00	1.02	2.44	3.57	7.34	15.41	30.40	37.39	30.20	15.18	7.25	3.51	2.40	1.00
-1.00	0.92	2.23	3.18	6.56	13.12	22.92	30.30	22.75	12.97	6.53	3.27	2.29	0.96
-2.00	0.86	1.97	2.62	5.79	8.38	13.11	15.29	12.94	8.26	5.82	2.55	1.95	0.84
-3.00	0.70	1.12	2.44	3.04	5.76	6.54	7.23	6.45	5.72	2.95	2.46	1.14	0.68
-4.00	0.54	0.82	1.70	2.42	2.61	3.20	3.47	3.20	2.53	2.39	1.66	0.82	0.55
-5.00	0.62	0.58	0.79	1.08	1.97	2.26	2.39	2.27	1.93	1.06	0.77	0.55	0.62
-6.00	0.47	0.61	0.51	0.70	0.84	0.92	0.96	0.93	0.81	0.67	0.50	0.59	0.45
-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.) : 37.4

Illum. (Min.) : 0.41

Illum. (Avg.) : 4.49

All illuminance level values are in lux.



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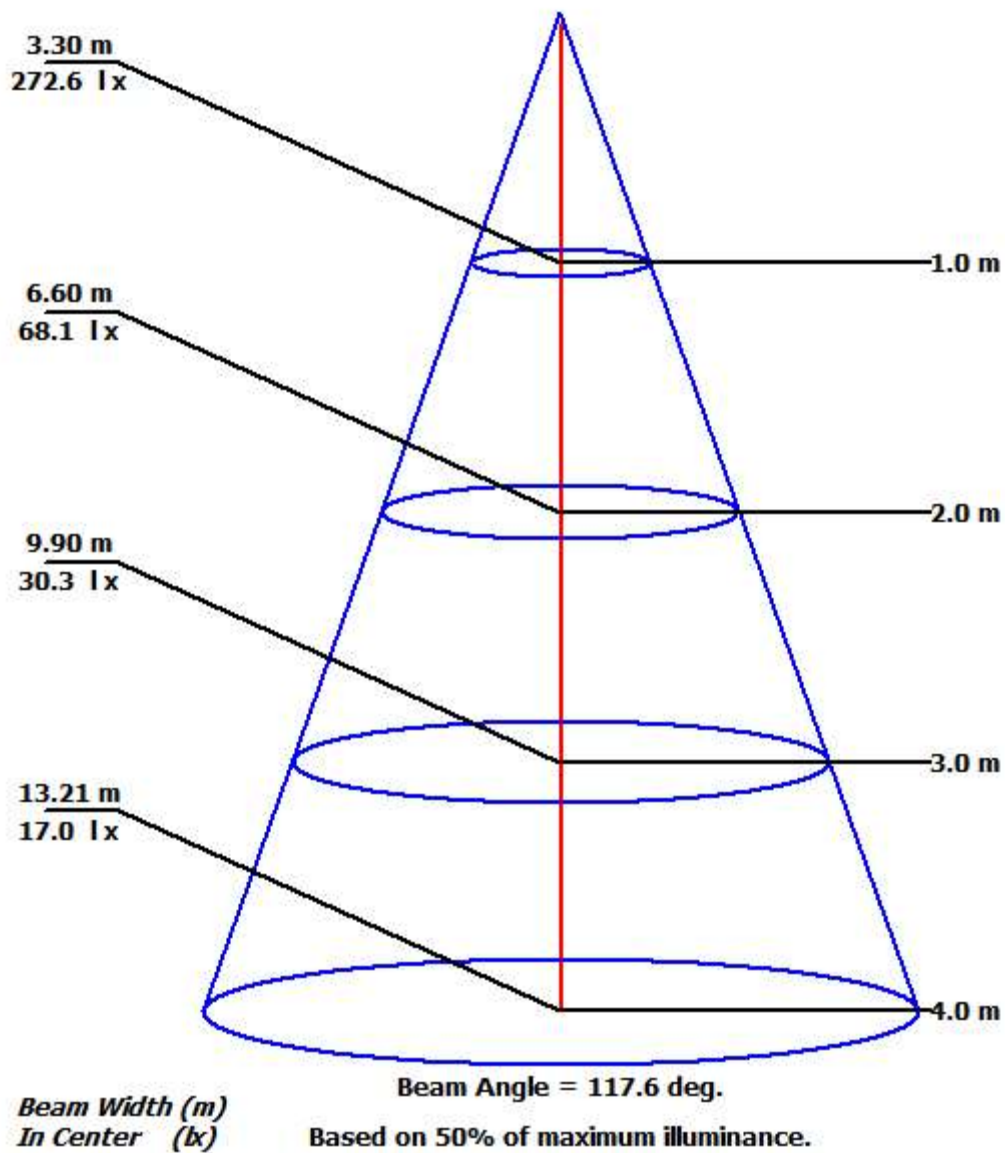
CGR

Total flux (lm) 850

Power Date# 1

2019-12-26 오전 11:14:50

Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	850	Current (A)	0.447
Total flux (lm)	850	Power Factor	1

Report

191226

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Operator

CGR

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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