

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 NDP15 35K-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		0.4114 , 0.3869	
Correlated Color Temperature	K	3354	
Ra		94.18	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.601	
Input Watt	W	14.43	
Lamp Flux	lm	1061.8	
Efficient	lm/W	73.61	
luminous Intensity (Max , Center)	cd	343 , 343	
Illuminance	lx	343	1 m
		86	2 m
		38	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 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

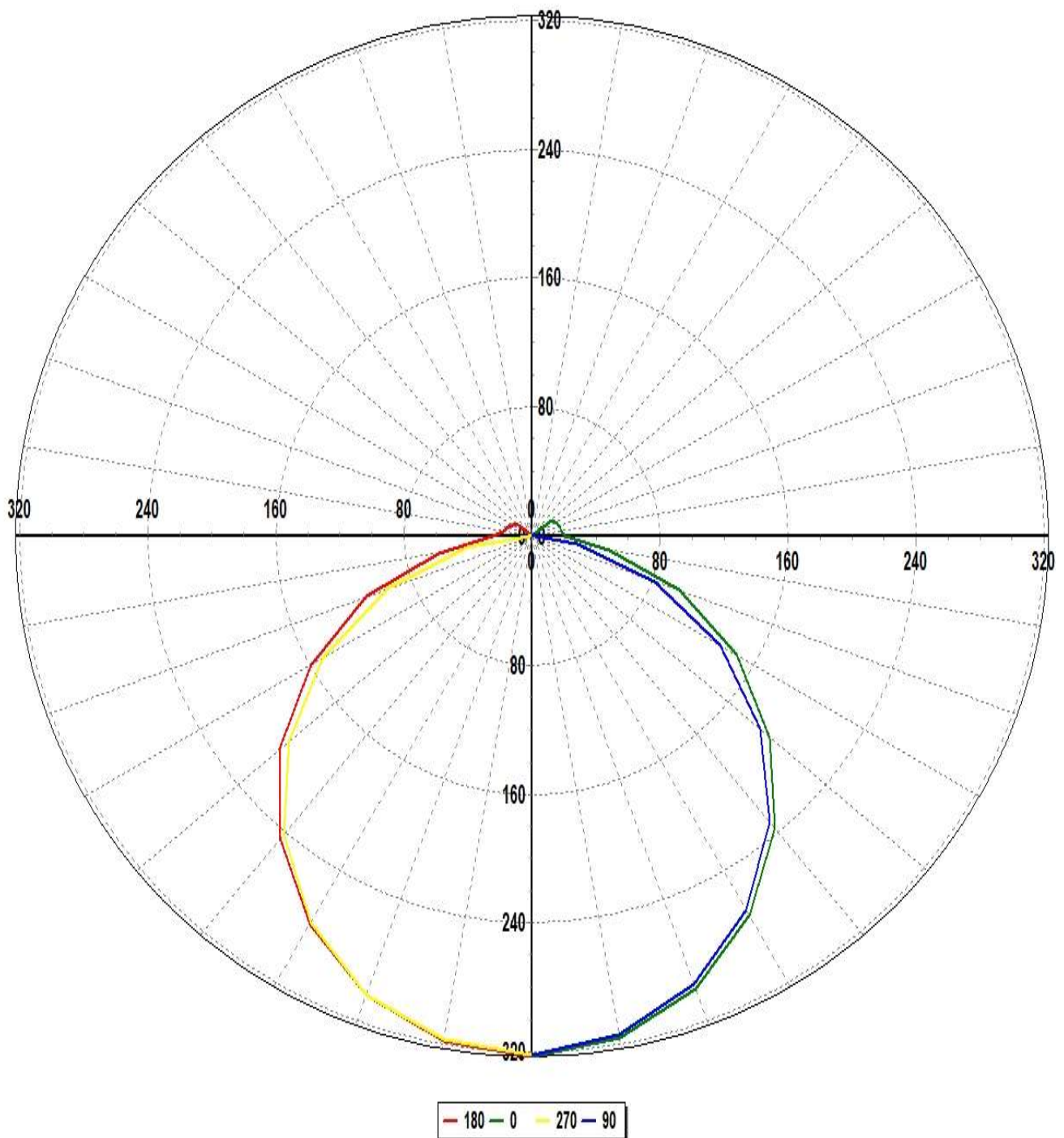
CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

Luminous Intensity Distribution



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

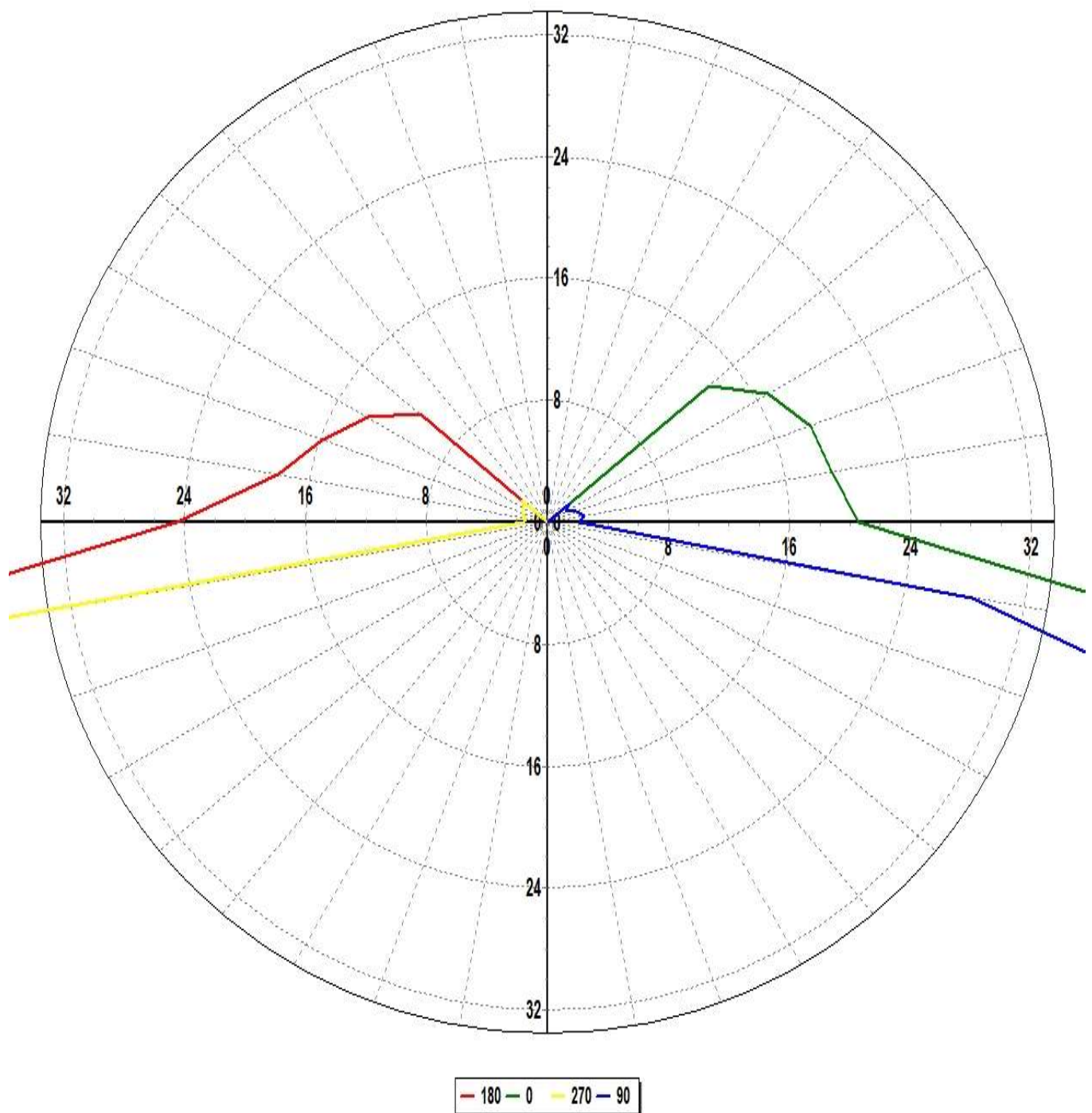
CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

Luminous Intensity Data

Maximum (cd) : 343

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	342.93	341.31	341.31	341.45	342.71	342.02	342.93	341.31	341.31	341.45	342.71
10	335.1	333.73	333.15	333.7	333.71	335.26	337.24	338.98	337.61	337.02	336.8
20	317.11	314.55	313.64	313.98	315.1	316.06	321.69	322.99	321.41	322.07	319.83
30	288.58	286.03	284.66	284.21	285.69	288.41	295.15	296.72	293.99	293.5	292.98
40	250.98	247.35	246.54	245.17	247.95	251.85	260.01	260.98	257.71	255.96	254.79
50	206.18	202.32	201.09	197.49	203.92	207.63	218.75	219.04	214.25	210.59	211.25
60	156.8	151.98	148.38	143.95	150.95	157.95	169.92	169.8	162.73	159.94	159.38
70	103.71	97.69	91.35	86.88	96.01	103.95	116.69	115.49	106.6	101.73	104.23
80	52.41	46.95	38.14	30.27	40.81	51.08	62.89	61.41	50.53	43.55	47.92
90	21.87	19.73	10.39	2.23	9.81	19.06	26.06	21.5	10.46	1.7	11.66
100	20.23	16.84	9.63	2.63	8.91	15.5	19.21	15.96	8.52	1.54	8.92
110	19.66	16.99	6.69	2.19	6.99	14.61	16.86	13.5	7.32	1.9	8.56
120	17.88	11.44	1.72	1.44	1.53	10.46	14.56	11.41	2.16	1.93	1.65
130	14.81	2.77	5.41	2.01	6.05	2.81	11.67	9.45	5.27	2.36	5.53



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

Luminous Intensity Data (Continued)

Maximum (cd) : 343

Minimum (cd) : 1

G/C	330	360
0	342.02	342.93
10	336.48	335.1
20	320.02	317.11
30	293.17	288.58
40	256.69	250.98
50	212.6	206.18
60	163.84	156.8
70	109.17	103.71
80	56.72	52.41
90	21.1	21.87
100	17.63	20.23
110	16.94	19.66
120	15.01	17.88
130	7.05	14.81



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

Luminous Flux Table

Total Lamp Lumens: 1062

Luminaire Efficiency (lm/W): 1061.81

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	8.18	8.18	0.77	0.77
10	63.85	72.03	6.78	6.78
20	119.20	191.22	18.01	18.01
30	158.95	350.17	32.98	32.98
40	178.11	528.28	49.75	49.75
50	175.15	703.43	66.25	66.25
60	149.83	853.26	80.36	80.36
70	105.79	959.05	90.32	90.32
80	52.37	1011.43	95.26	95.26
90	16.02	1027.45	96.77	96.76
100	13.08	1040.53	98.00	98.00
110	11.34	1051.87	99.07	99.06
120	7.21	1059.08	99.74	99.74
130	2.72	1061.81	100.00	100.00



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

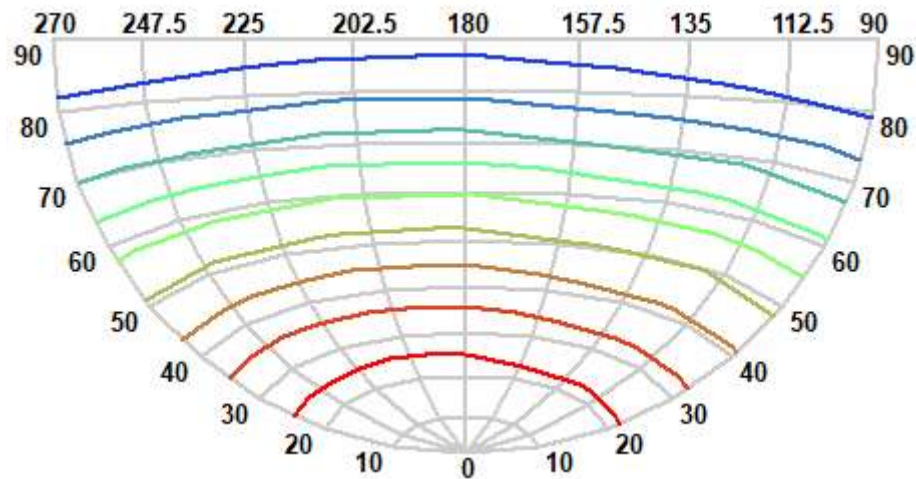
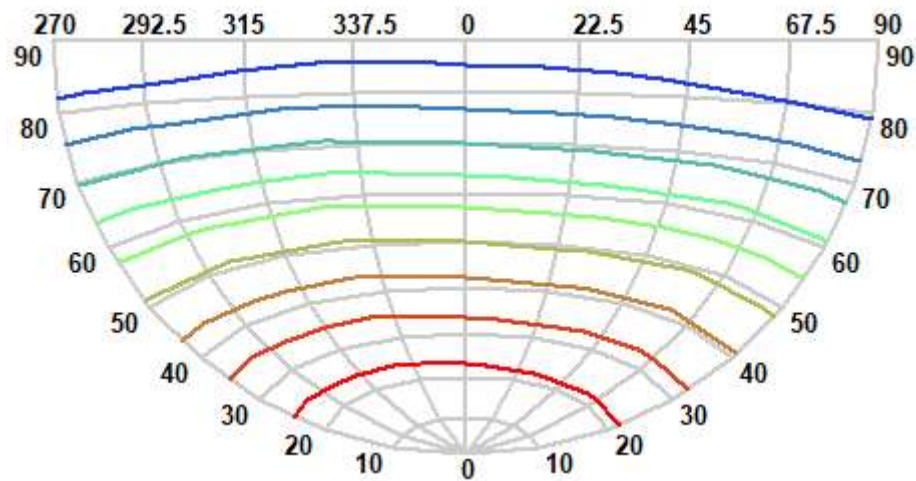
CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

IsoCandela (Type C)



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrenOperator 0.601

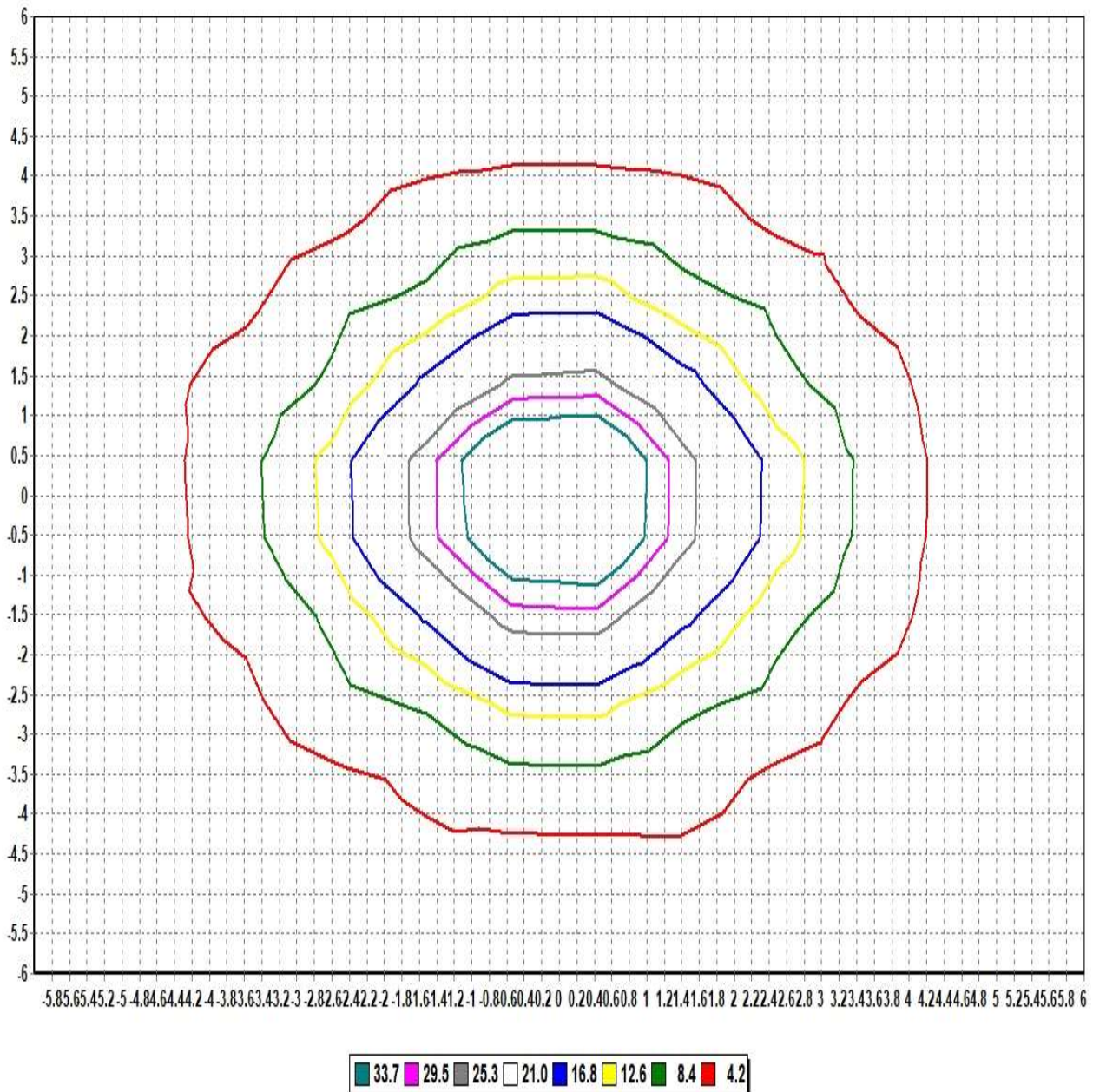
CGR

Total flux (lm) 1062

Power Dateer 1

2019-12-26 오후 2:28:25

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

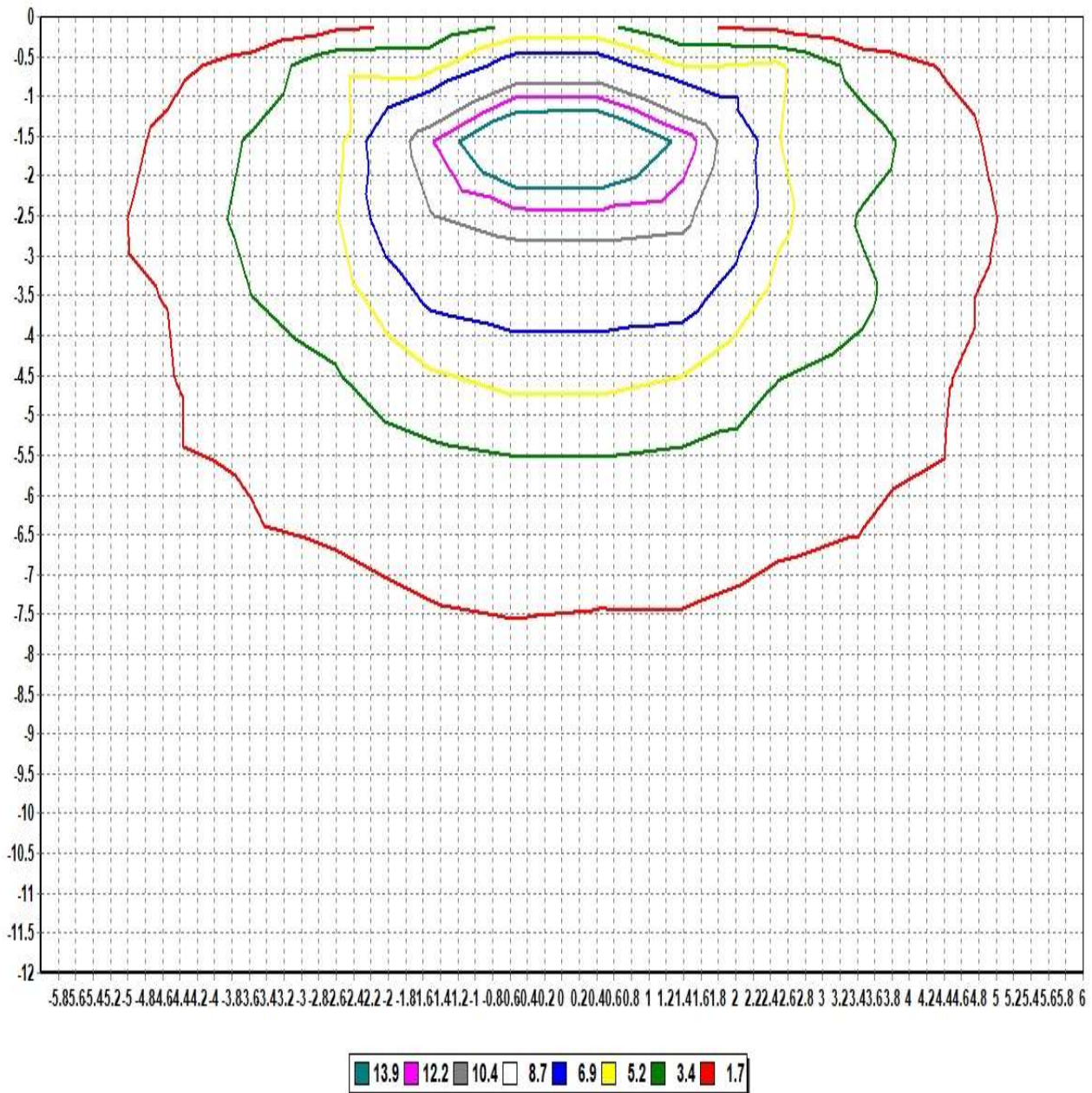
CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

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)	1062	Current (A)	0.601
Total flux (lm)	1062	Power Factor	1

Report	191226
Filename	191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt
Operator	CGR
Date	2019-12-26 오후 2:28:25

Illuminance Levels (Ground)

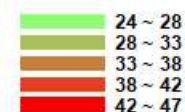
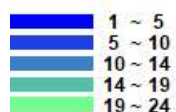
6.00	0.51	0.67	0.54	0.75	0.91	1.03	1.05	1.01	0.93	0.77	0.56	0.69	0.54
5.00	0.72	0.60	0.85	1.17	2.28	2.65	2.78	2.64	2.28	1.21	0.88	0.66	0.72
4.00	0.63	0.94	1.94	2.80	2.96	3.69	3.97	3.68	2.98	2.84	1.99	0.94	0.63
3.00	0.77	1.32	2.92	3.41	6.81	7.65	8.50	7.66	6.86	3.54	2.90	1.32	0.78
2.00	0.96	2.31	2.99	7.01	9.82	15.61	18.41	15.58	9.97	6.98	3.00	2.30	0.97
1.00	1.22	2.87	4.06	7.79	15.65	27.84	37.67	28.04	15.62	7.74	3.98	2.81	1.18
0.00	1.32	3.10	4.55	9.32	19.37	38.09	47.04	37.84	18.79	8.83	4.24	2.92	1.20
-1.00	1.18	2.83	4.05	8.30	16.43	28.81	38.07	28.58	16.07	8.03	3.97	2.79	1.16
-2.00	1.10	2.50	3.32	7.30	10.57	16.41	19.15	16.06	10.26	7.16	3.14	2.40	1.02
-3.00	0.90	1.45	3.10	3.86	7.22	8.24	9.02	8.01	7.13	3.66	3.01	1.38	0.82
-4.00	0.71	1.06	2.16	3.05	3.31	4.01	4.33	4.01	3.13	2.98	2.06	0.99	0.66
-5.00	0.79	0.75	1.01	1.36	2.48	2.83	2.98	2.84	2.39	1.32	0.96	0.67	0.75
-6.00	0.60	0.76	0.65	0.89	1.07	1.15	1.20	1.17	1.00	0.82	0.62	0.74	0.56
-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.) : 47.0

Illum. (Min.) : 0.51

Illum. (Avg.) : 5.60

All illuminance level values are in lux.



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 1062

CurrentOperator 0.601

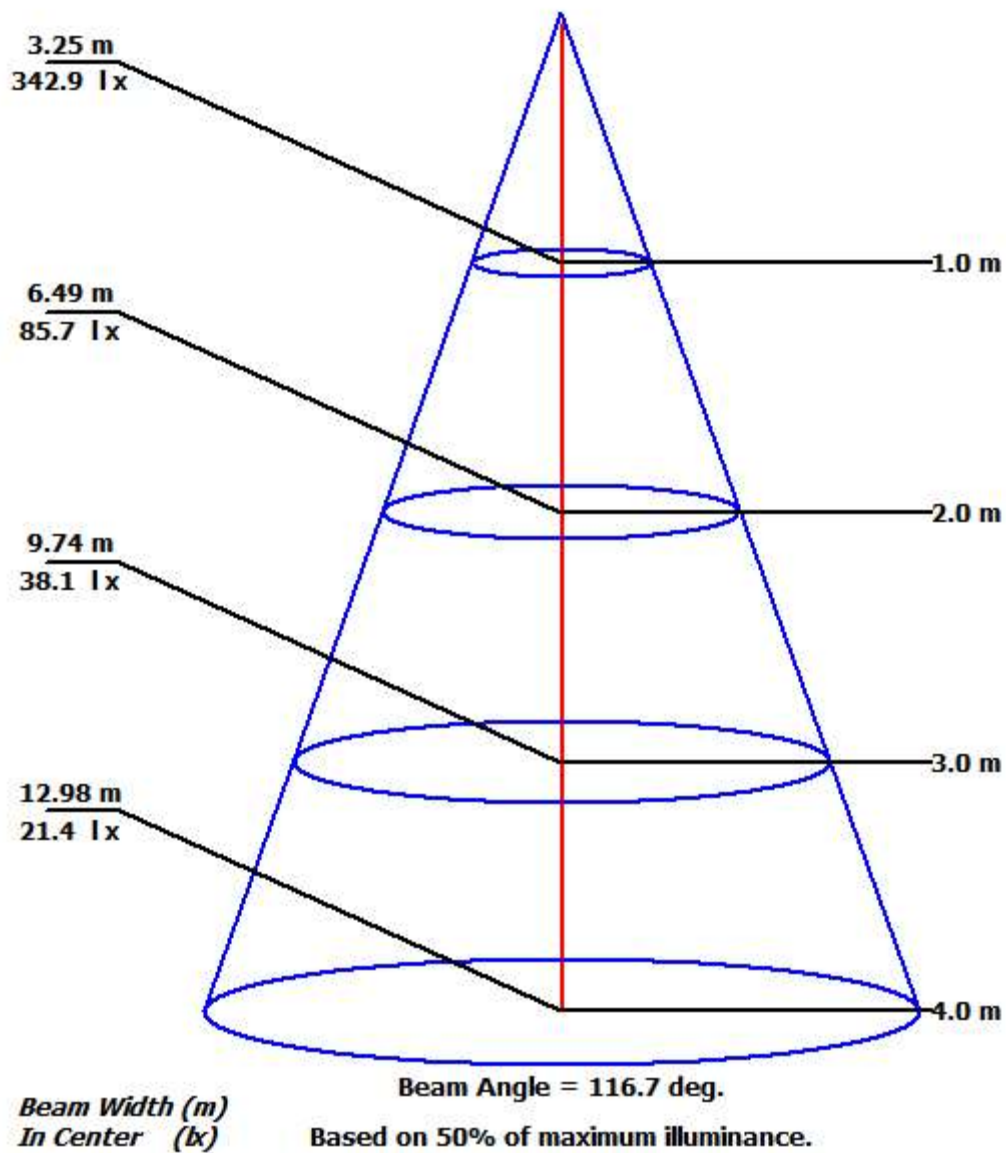
CGR

Total flux (lm) 1062

Power Date 1

2019-12-26 오후 2:28:25

Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	1062	Current (A)	0.601
Total flux (lm)	1062	Power Factor	1

Report	191226
Filename	191226 NDP15 35K-24V-C90 SF1806 VER 3.1e 28LM9.jdt
Operator	CGR
Date	2019-12-26 오후 2:28:25

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