

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 40K-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		0.3879 , 0.3807	
Correlated Color Temperature	K	3843	
Ra		93.74	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.450	
Input Watt	W	10.79	
Lamp Flux	lm	823.1	
Efficient	lm/W	76.21	
luminous Intensity (Max , Center)	cd	264 , 264	
Illuminance	lx	264	1 m
		66	2 m
		29	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 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

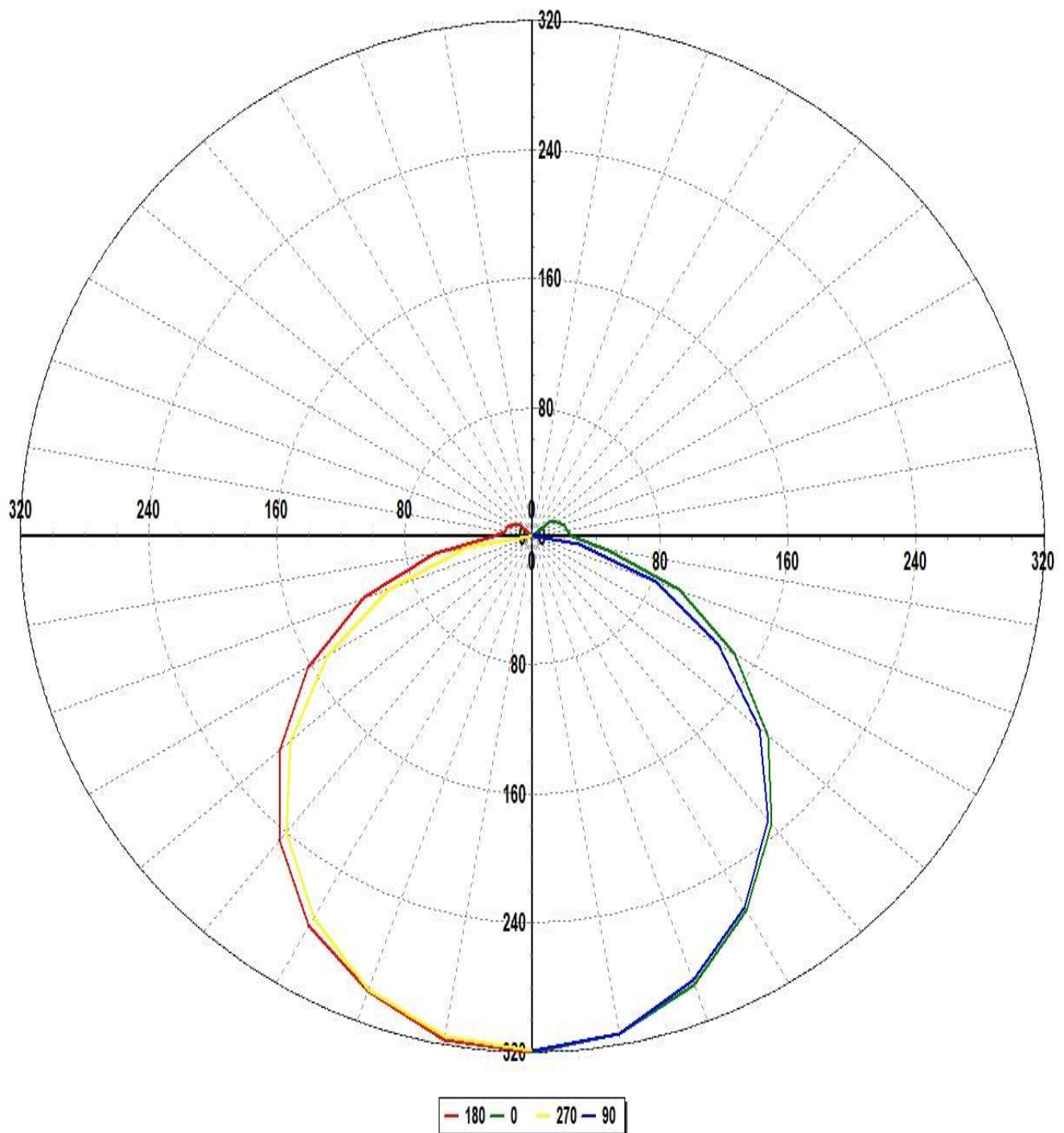
CGR

Total flux (lm) 823

Power Date 1

2019-12-26 오전 10:52:53

Luminous Intensity Distribution



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

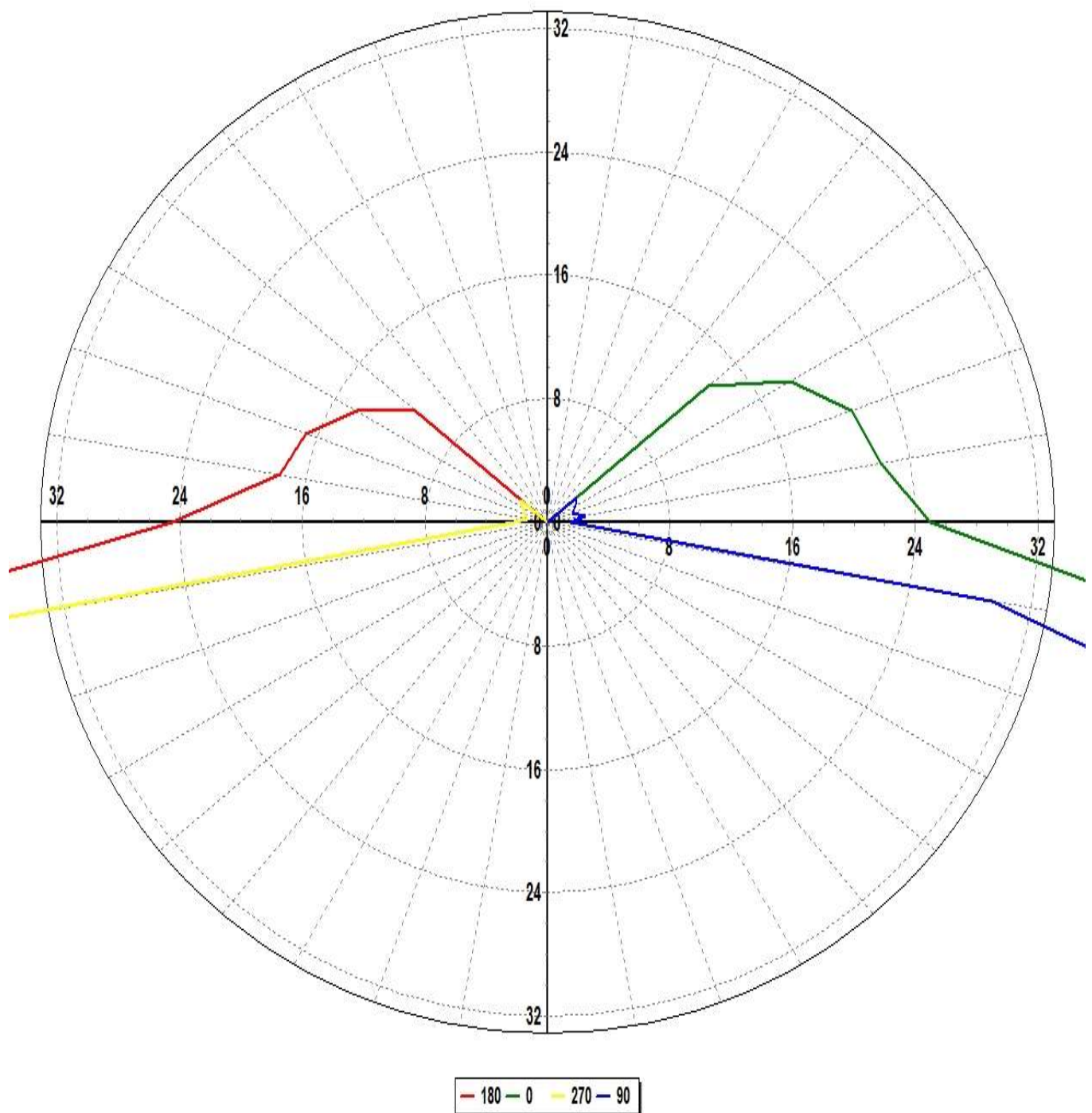
CGR

Total flux (lm) 823

Power Date 1

2019-12-26 오전 10:52:53

Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

CGR

Total flux (lm) 823

Power Date 1

2019-12-26 오전 10:52:53

Luminous Intensity Data

Maximum (cd) : 264

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	263.59	263.9	262.87	262.77	263	263.24	263.59	263.9	262.87	262.77	263
10	257.7	257.2	258.66	257.54	257.18	257.3	260.77	260.22	259.56	259.53	258.99
20	243.64	242.85	241.65	241.51	243.67	244.94	247.53	248.23	247.77	246.3	245.71
30	220.38	219.88	219.33	218.32	220.89	223.83	229.97	227.5	226.25	224.8	225.19
40	191.54	190.02	189.68	188.89	192.12	196.38	202.31	200.98	199.36	197.38	196.24
50	158.64	155.35	154	152.34	158.29	161.73	169.4	169.66	164.96	162.35	161.26
60	120	116.78	113.47	110.44	119.04	123.78	133.42	132.89	125.78	121.52	121.61
70	80.18	75.8	69.75	67.76	75.74	83.21	92.03	91.5	83.85	78.68	78.63
80	39.87	36.32	29.46	24.26	32.51	42.03	51.09	49.21	40.16	34.28	36.11
90	20.58	16.63	9.32	1.24	7.91	15.12	20.17	16.49	8.73	1.77	9.8
100	18.17	15.14	8.45	2.05	7.42	13.18	14.58	12.32	5.51	1.11	8.91
110	17.39	14.81	5.67	1.41	5.26	12.22	13.82	10.95	5.91	1.29	8.16
120	15.07	8.72	1.39	1.75	1.53	7.79	11.83	8.3	0.93	1.62	1.52
130	11.29	2.26	4.82	2.03	4.91	1.7	9.39	7.71	4.59	1.85	4.58



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

CGR

Total flux (lm) 823

Power Date# 1

2019-12-26 오전 10:52:53

Luminous Intensity Data (Continued)

Maximum (cd) : 264

Minimum (cd) : 1

G/C	330	360
0	263.24	263.59
10	258.1	257.7
20	245.46	243.64
30	224.94	220.38
40	196.28	191.54
50	162.73	158.64
60	123.95	120
70	83.66	80.18
80	45.05	39.87
90	18.09	20.58
100	15.87	18.17
110	14.19	17.39
120	12.49	15.07
130	4.96	11.29



Luminaire

Lamp		Report	191226
No. of lamps	1	VoltageFilename	191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt
Lamp flux (lm)	823	CurrentOperator	0.45 CGR
Total flux (lm)	823	Power Date	1 2019-12-26 오전 10:52:53

Luminous Flux Table

Total Lamp Lumens:	823
Luminaire Efficiency (lm/W):	823.12
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	6.29	6.29	0.76	0.76
10	49.17	55.47	6.74	6.74
20	91.75	147.22	17.89	17.89
30	122.36	269.58	32.75	32.75
40	137.35	406.93	49.44	49.44
50	134.99	541.92	65.84	65.84
60	115.61	657.53	79.88	79.88
70	82.40	739.93	89.90	89.89
80	41.38	781.31	94.92	94.92
90	13.31	794.62	96.54	96.54
100	11.03	805.65	97.88	97.88
110	9.53	815.18	99.04	99.04
120	5.76	820.94	99.74	99.74
130	2.18	823.12	100.00	100.00

Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

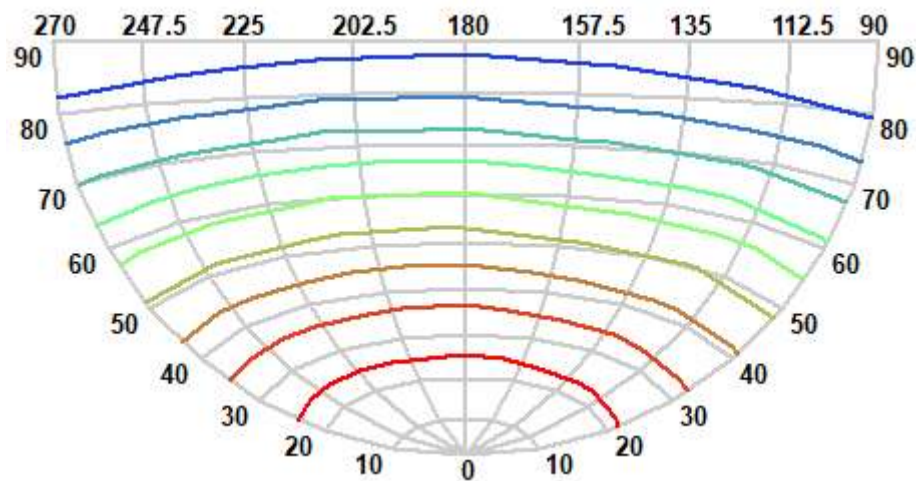
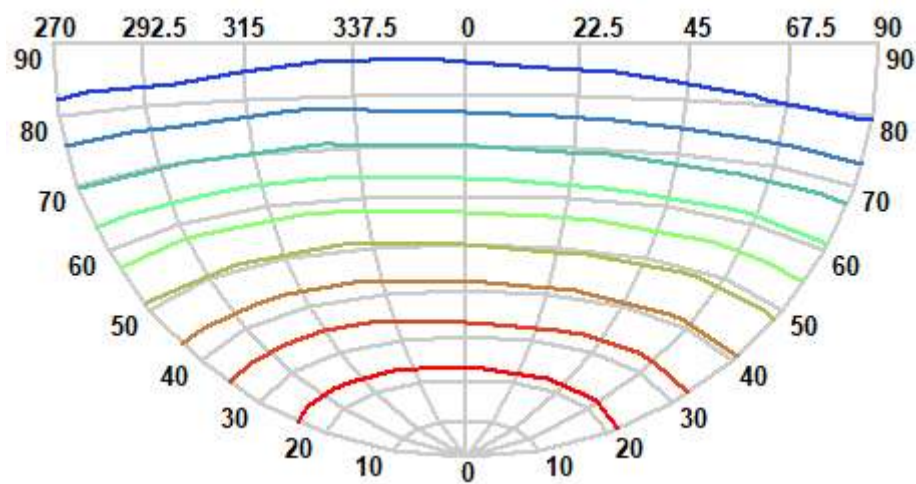
CGR

Total flux (lm) 823

Power Date# 1

2019-12-26 오전 10:52:53

IsoCandela (Type C)



■	1 ~ 27	■	132 ~ 159
■	27 ~ 54	■	159 ~ 185
■	54 ~ 80	■	185 ~ 211
■	80 ~ 106	■	211 ~ 238
■	106 ~ 132	■	238 ~ 264

Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

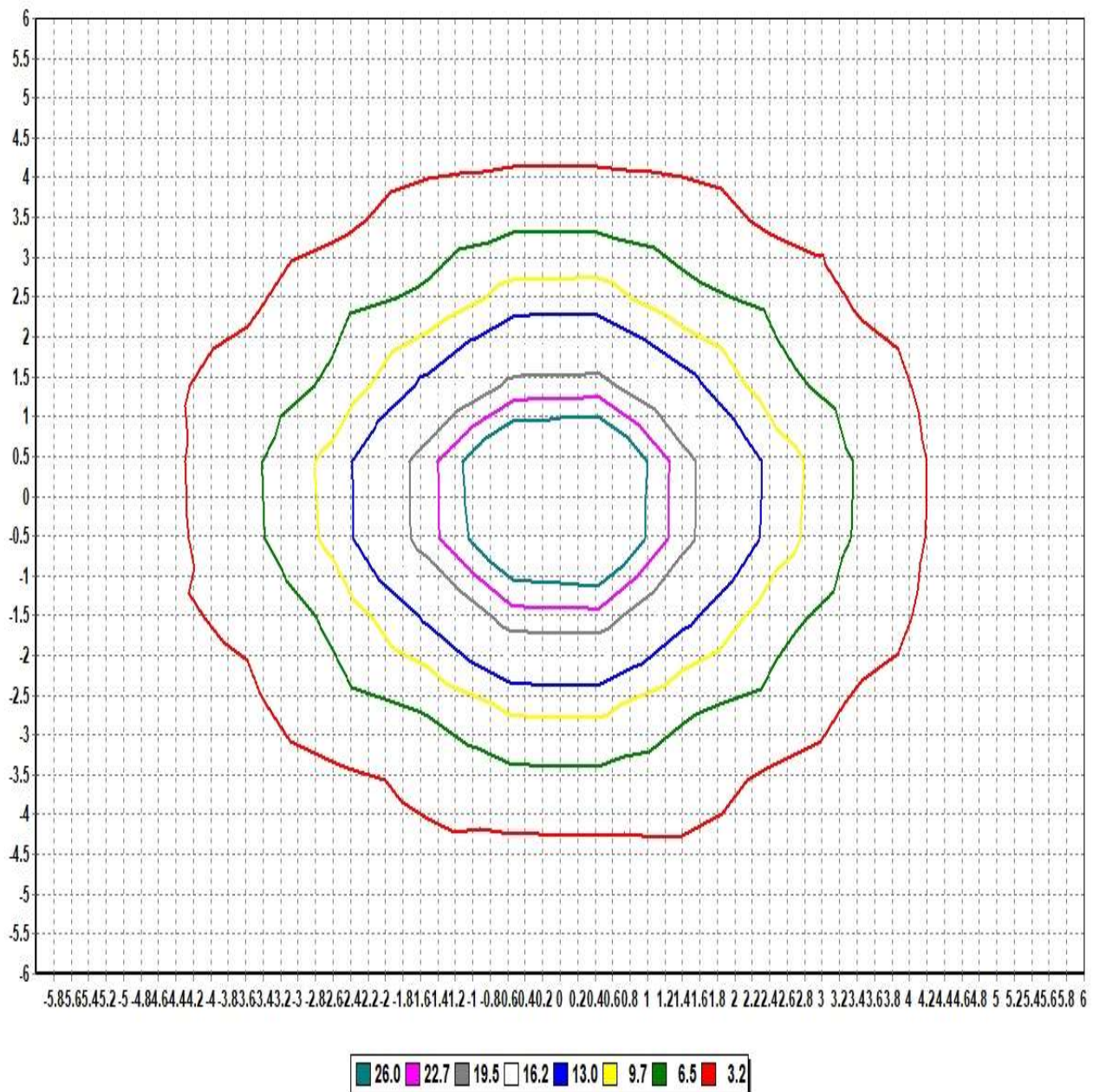
CGR

Total flux (lm) 823

Power Date# 1

2019-12-26 오전 10:52:53

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 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

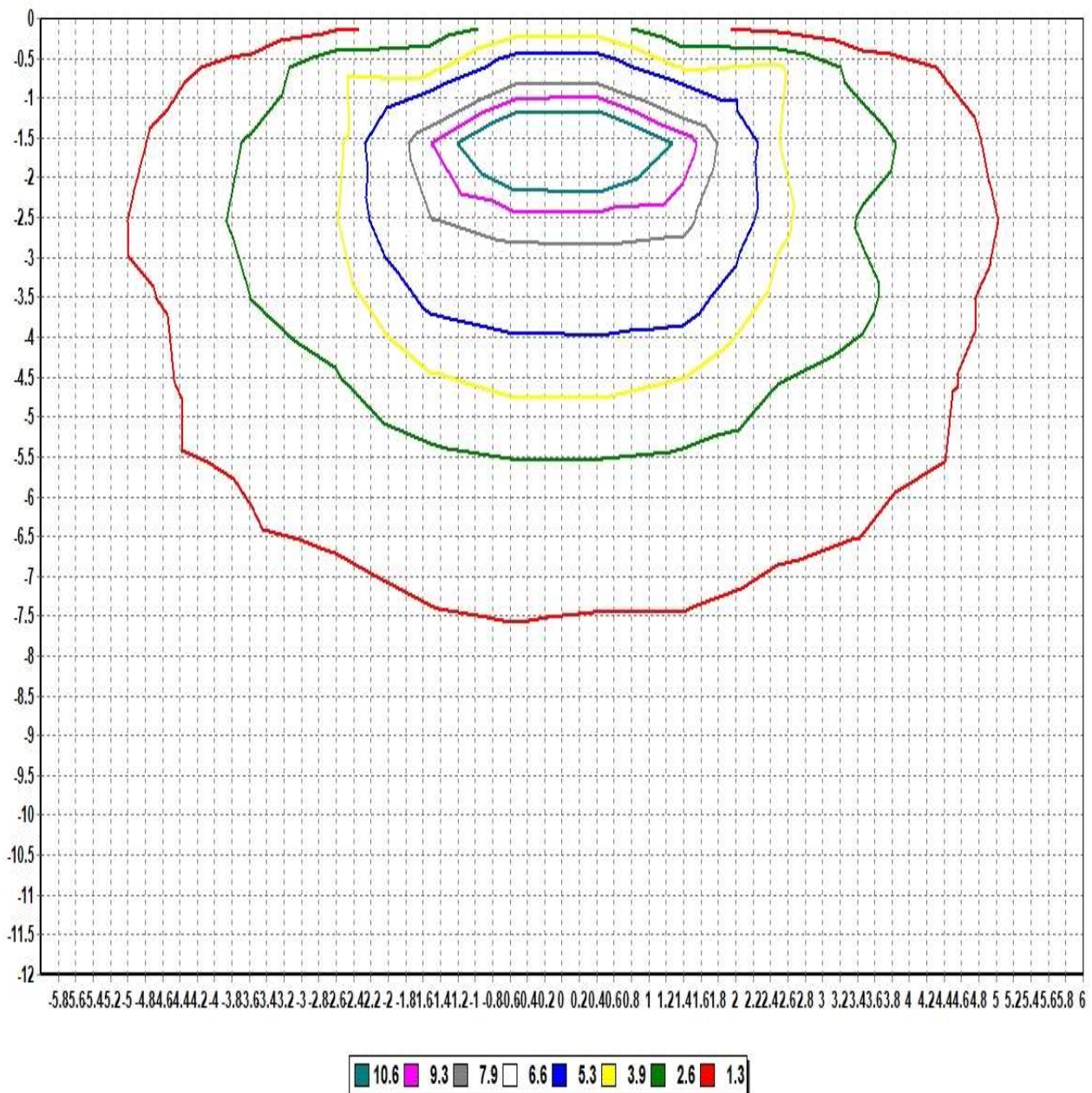
CGR

Total flux (lm) 823

Power Date 1

2019-12-26 오전 10:52:53

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)	823	Current (A)	0.45
Total flux (lm)	823	Power Factor	1

Report	191226
Filename	191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt
Operator	CGR
Date	2019-12-26 오전 10:52:53

Illuminance Levels (Ground)

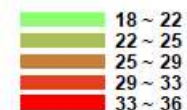
6.00	0.40	0.52	0.42	0.59	0.71	0.79	0.81	0.78	0.72	0.59	0.43	0.53	0.42
5.00	0.57	0.47	0.66	0.90	1.77	2.03	2.14	2.03	1.75	0.93	0.67	0.51	0.55
4.00	0.50	0.75	1.50	2.16	2.32	2.83	3.06	2.82	2.29	2.17	1.53	0.73	0.48
3.00	0.61	1.04	2.28	2.65	5.25	5.92	6.55	5.88	5.27	2.72	2.23	1.01	0.60
2.00	0.76	1.80	2.35	5.46	7.60	12.08	14.17	11.97	7.65	5.34	2.30	1.77	0.75
1.00	0.97	2.23	3.18	6.06	12.14	21.46	29.07	21.51	11.99	5.94	3.03	2.15	0.90
0.00	1.04	2.41	3.55	7.23	15.08	29.45	36.16	29.10	14.35	6.78	3.26	2.24	0.92
-1.00	0.93	2.20	3.16	6.43	12.67	22.24	29.31	21.93	12.36	6.14	3.03	2.14	0.89
-2.00	0.87	1.94	2.60	5.67	8.19	12.64	14.73	12.37	7.89	5.48	2.39	1.83	0.78
-3.00	0.71	1.14	2.41	3.02	5.58	6.36	6.95	6.14	5.50	2.79	2.30	1.05	0.62
-4.00	0.56	0.83	1.68	2.35	2.58	3.08	3.31	3.08	2.39	2.29	1.58	0.76	0.50
-5.00	0.62	0.59	0.79	1.06	1.92	2.18	2.29	2.19	1.83	1.01	0.73	0.51	0.57
-6.00	0.47	0.59	0.51	0.70	0.84	0.89	0.92	0.91	0.76	0.62	0.48	0.56	0.43
-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.) : 36.2

Illum. (Min.) : 0.40

Illum. (Avg.) : 4.32

All illuminance level values are in lux.



Luminaire

Lamp

Report

191226

No. of lamps 1

VoltageFilename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Lamp flux (lm) 823

CurrentOperator 0.45

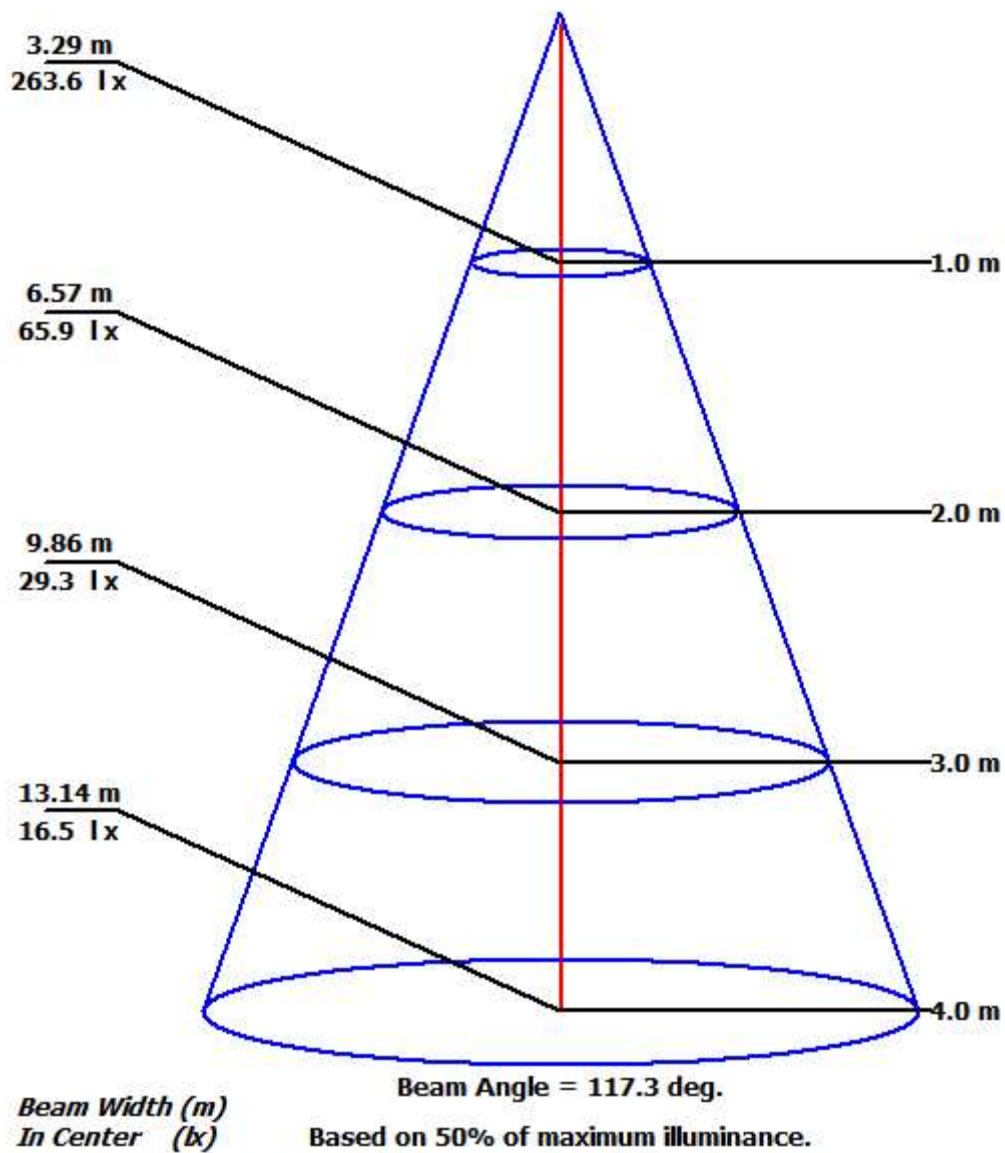
CGR

Total flux (lm) 823

Power Date# 1

2019-12-26 오전 10:52:53

Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	823	Current (A)	0.45
Total flux (lm)	823	Power Factor	1

Report

191226

Filename 191226 NDP11 40K-24V-C90 SF1806 VER 3.1e 28LM9.jdt

Operator

CGR

Date

2019-12-26 오전 10:52:53

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