

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 30K-24V-C90 SF1911 VER 3.3em 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		0.4375 , 0.3995	
Correlated Color Temperature	K	2969	
Ra		94	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.605	
Input Watt	W	14.52	
Lamp Flux	lm	991.5	
Efficient	lm/W	68.29	
luminous Intensity (Max , Center)	cd	321 , 320	
Illuminance	lx	320	1 m
		80	2 m
		36	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

Voltage 191226 NDP15 30K-24V-C90 SF1911 VER 3.3em 28LM9.jdt

Lamp flux (lm) 992

Current 0.605

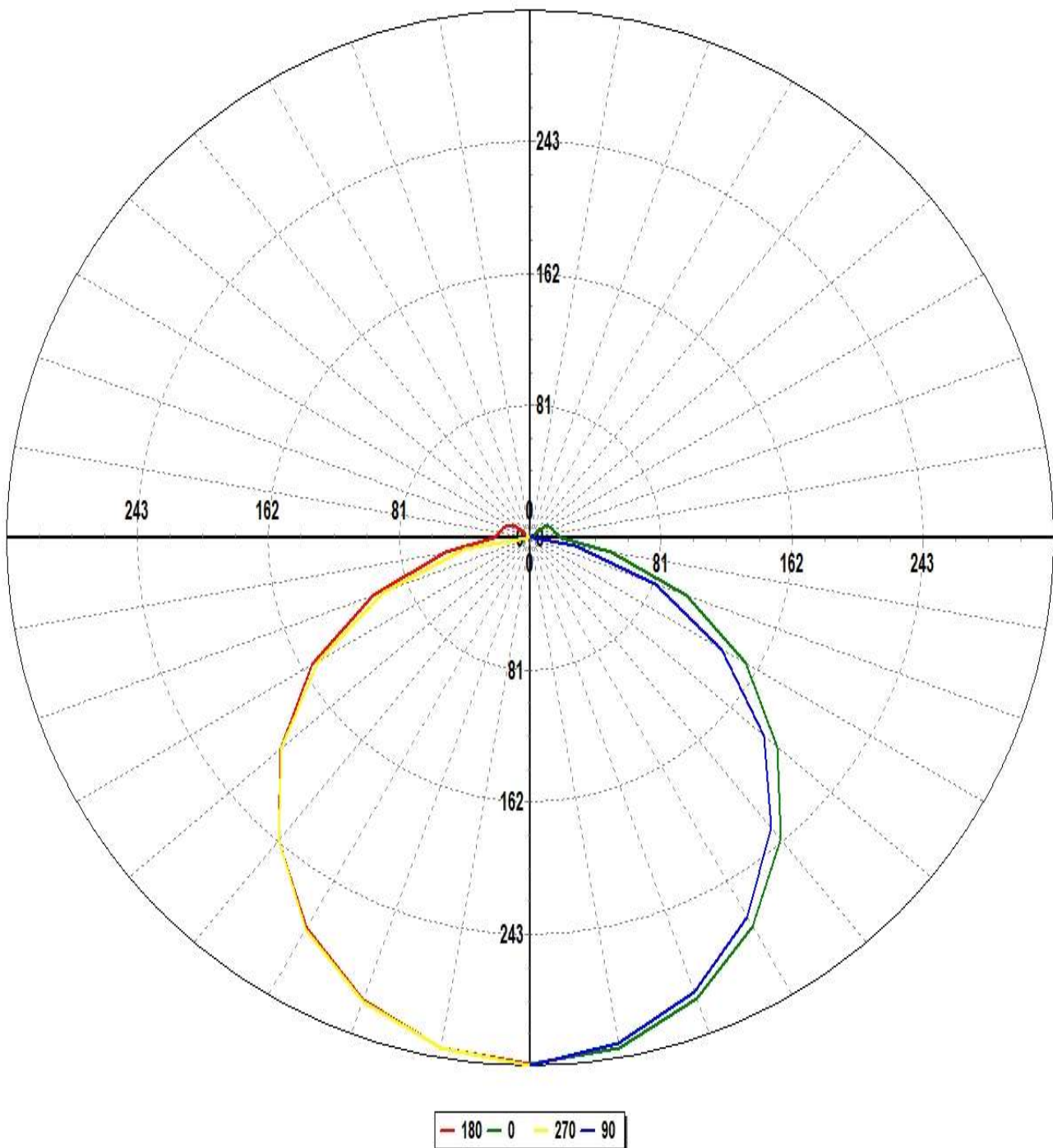
CGR

Total flux (lm) 992

Power 1

2019-12-26 오후 1:47:56

Luminous Intensity Distribution



Luminaire

Lamp

Report

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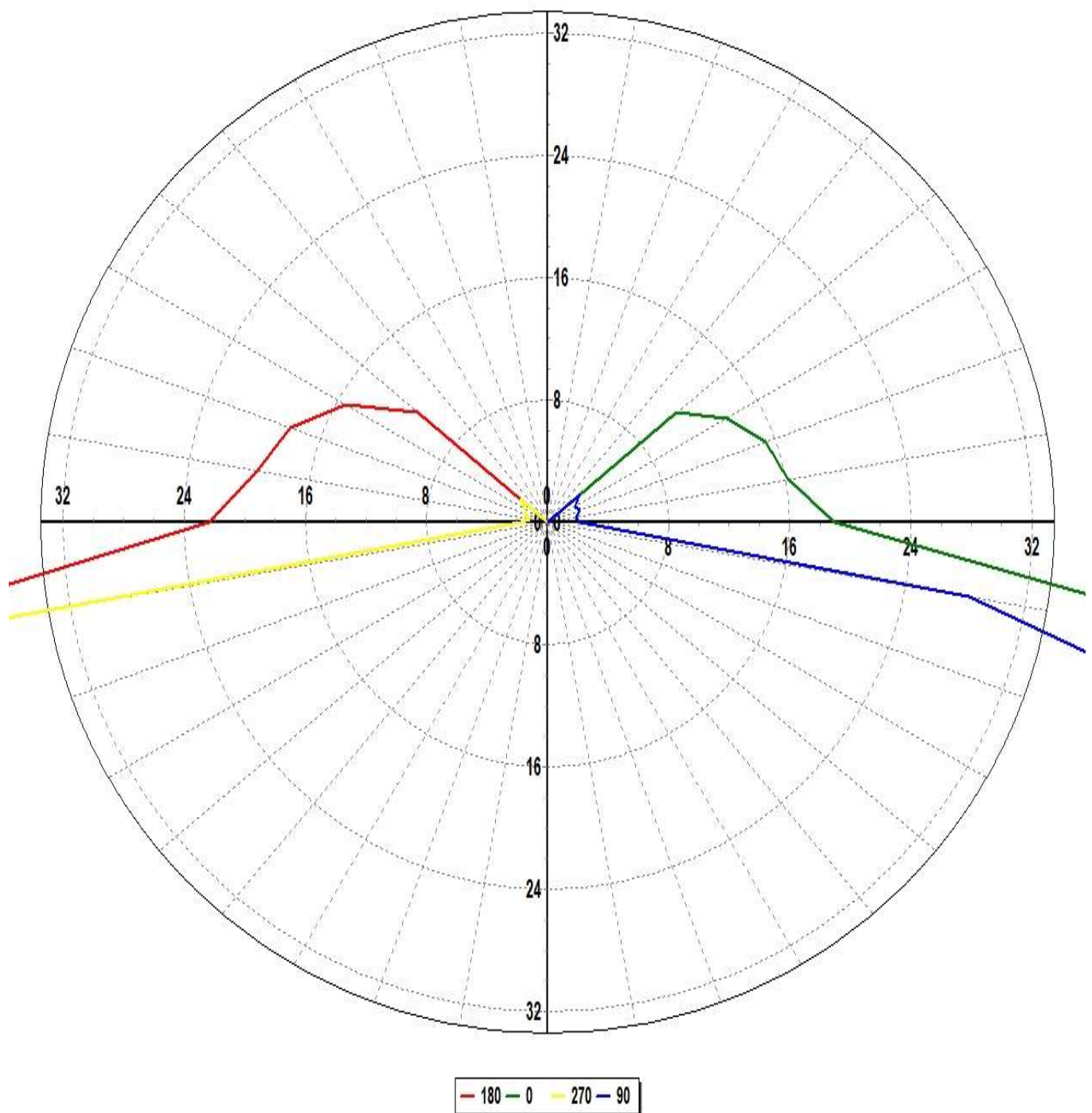
CGR

Total flux (lm) 992

Power 1

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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Power 1

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Luminous Intensity Data

Maximum (cd) : 321

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	320.01	319.4	319.91	321.06	318.68	319.9	320.01	319.4	319.91	321.06	318.68
10	314.78	313.02	312.78	312.36	313.24	311.96	315.24	315.45	315.91	315.46	315.51
20	298.54	296.64	295.47	293.94	294.47	294.42	299.55	300.7	299.96	299.85	300.21
30	272.98	270.91	267.99	266.27	267.58	268.51	273.95	274.86	274.29	274.85	275.4
40	239.34	237.1	232.98	230.11	231.21	233.62	240.14	241.51	239.88	240.37	240.91
50	198.14	195.3	190.83	187.52	188.79	191.36	200	201.39	198.35	198.99	199.52
60	152.34	148.49	142.4	135.95	140.78	143.34	154.28	154.89	151.88	150.08	152.51
70	101.87	96.77	89.02	82.04	86.88	90.97	102.35	102.84	97.34	95.76	100.15
80	50.81	45.08	36.83	27.99	34.99	41.7	53.04	52.1	44.07	40.45	46.77
90	18.79	15.92	7.86	2.1	9.53	17.36	22.16	17.91	9.12	1.75	9.24
100	15.97	13.55	7.55	1.88	8.88	16.2	19.31	15.72	8.59	1.18	7.42
110	15.21	12.29	5.74	2.28	6.02	14.6	17.93	14.61	6.6	1.56	7.3
120	13.56	8.64	1.65	2.04	1.7	10.26	15.22	11.33	2.2	1.72	1.73
130	11.06	2.24	4.22	2.79	4.56	2.59	11.07	8.01	3.86	2.31	3.22



Luminaire

Lamp

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191226

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VoltageFilename 191226 NDP15 30K-24V-C90 SF1911 VER 3.3em 28LM9.jdt

Lamp flux (lm) 992

CurrentOperator 0.605

CGR

Total flux (lm) 992

PowerDate 1

2019-12-26 오후 1:47:56

Luminous Intensity Data (Continued)

Maximum (cd) : 321

Minimum (cd) : 1

G/C	330	360
0	319.9	320.01
10	315.16	314.78
20	301.84	298.54
30	275.96	272.98
40	243.61	239.34
50	204.4	198.14
60	158.87	152.34
70	108.37	101.87
80	55.52	50.81
90	17.84	18.79
100	13.6	15.97
110	12.71	15.21
120	10.13	13.56
130	5.65	11.06





Luminaire

Lamp		Report	191226
No. of lamps	1	Filename	191226 NDP15 30K-24V-C90 SF1911 VER 3.3em 28LM9.jdt
Lamp flux (lm)	992	Current	0.605
Total flux (lm)	992	Power	1
		Date	2019-12-26 오후 1:47:56

Luminous Flux Table

Total Lamp Lumens:	991
Luminaire Efficiency (lm/W):	991.47
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.65	7.65	0.77	0.77
10	59.76	67.41	6.80	6.80
20	111.62	179.03	18.06	18.06
30	148.93	327.96	33.08	33.08
40	167.24	495.20	49.94	49.95
50	164.62	659.82	66.55	66.55
60	141.15	800.98	80.78	80.79
70	99.00	899.98	90.77	90.77
80	47.58	947.56	95.57	95.57
90	13.65	961.21	96.95	96.95
100	11.67	972.88	98.12	98.12
110	10.02	982.90	99.13	99.14
120	6.34	989.24	99.77	99.77
130	2.23	991.47	100.00	100.00

Luminaire

Lamp

Report

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Current 0.605

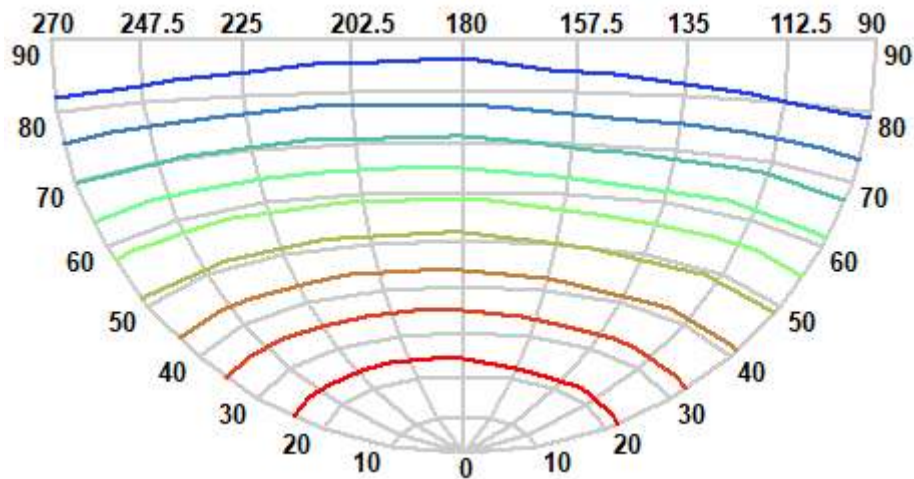
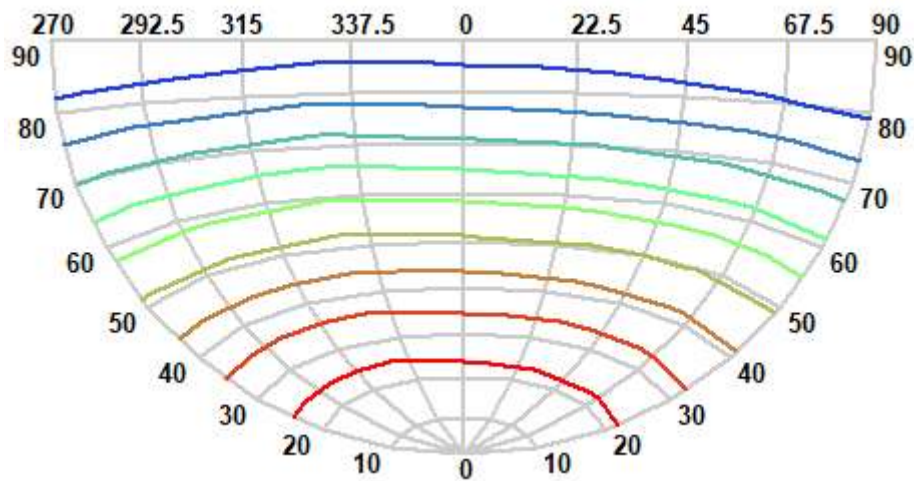
CGR

Total flux (lm) 992

Power 1

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IsoCandela (Type C)



Luminaire

Lamp

Report

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Current 0.605

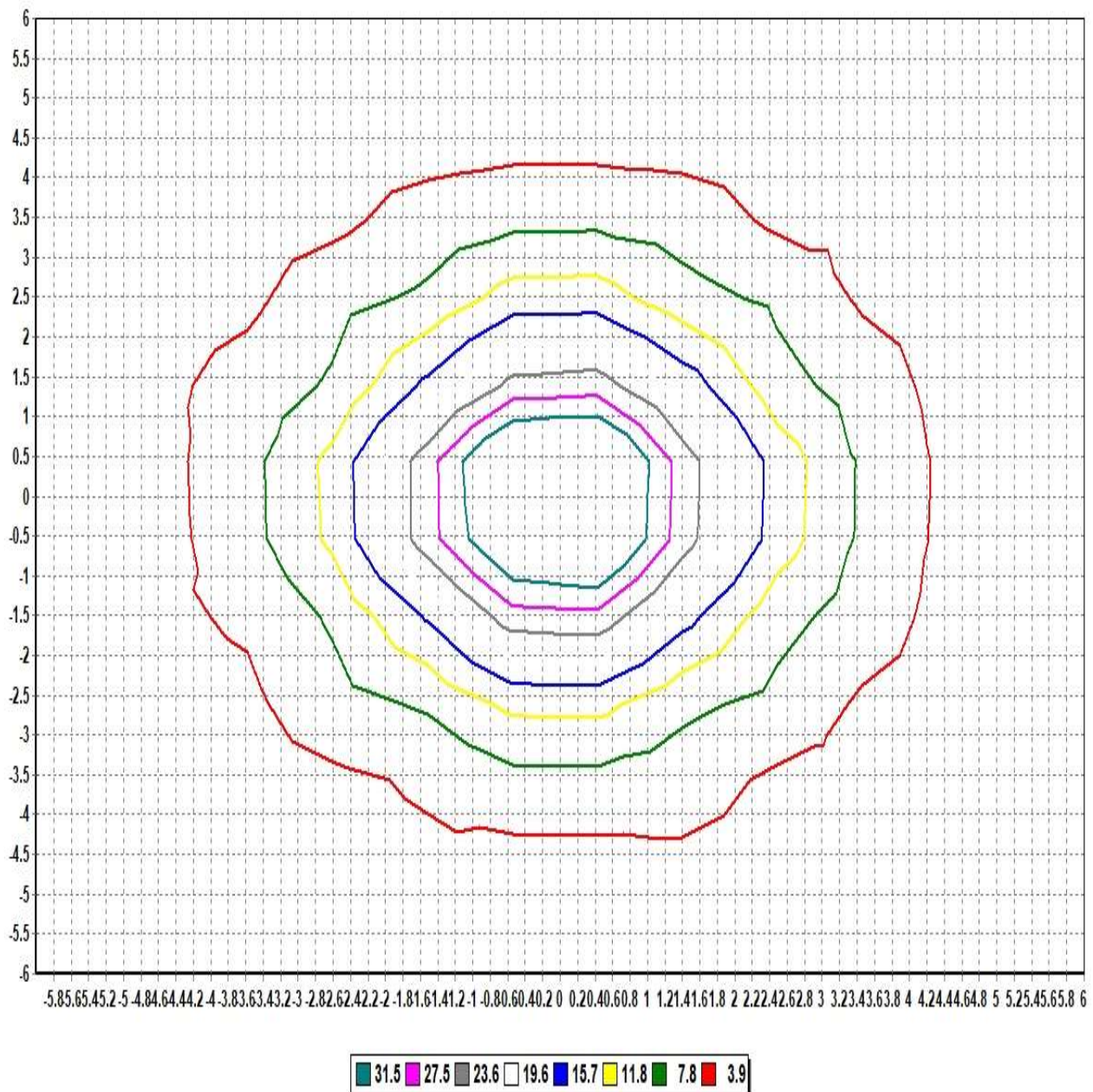
CGR

Total flux (lm) 992

Power 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

No. of lamps 1

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Lamp flux (lm) 992

Current 0.605

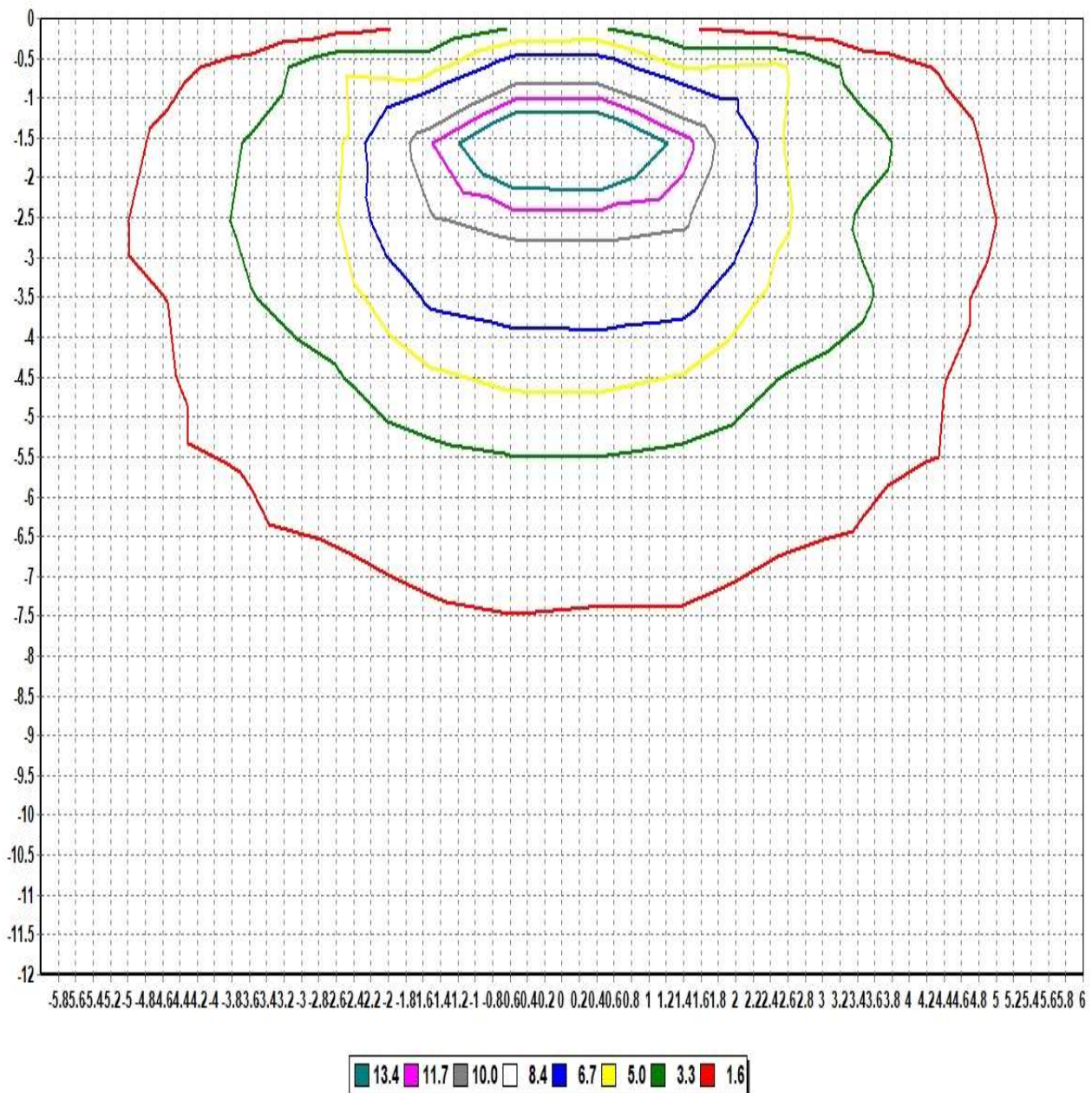
CGR

Total flux (lm) 992

Power 1

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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)	992	Current (A)	0.605
Total flux (lm)	992	Power Factor	1

Report

191226

Filename 191226 NDP15 30K-24V-C90 SF1911 VER 3.3em 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

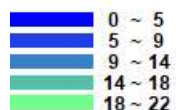
6.00	0.48	0.63	0.51	0.69	0.85	0.99	0.99	0.97	0.91	0.76	0.55	0.67	0.53
5.00	0.66	0.56	0.80	1.10	2.12	2.52	2.64	2.50	2.20	1.17	0.86	0.65	0.70
4.00	0.55	0.84	1.82	2.64	2.76	3.51	3.76	3.50	2.90	2.71	1.93	0.92	0.61
3.00	0.70	1.18	2.69	3.20	6.40	7.15	8.05	7.35	6.50	3.44	2.80	1.28	0.77
2.00	0.87	2.14	2.77	6.50	9.20	14.57	17.27	14.91	9.57	6.68	2.92	2.23	0.95
1.00	1.09	2.63	3.70	7.21	14.59	26.07	35.27	26.51	14.95	7.45	3.85	2.71	1.16
0.00	1.18	2.83	4.15	8.54	17.93	35.60	43.90	35.55	17.87	8.47	4.10	2.81	1.17
-1.00	1.05	2.60	3.69	7.62	15.20	26.74	35.63	26.79	15.20	7.64	3.84	2.68	1.13
-2.00	0.99	2.29	3.03	6.72	9.73	15.20	17.96	15.17	9.68	6.82	3.00	2.29	0.99
-3.00	0.81	1.30	2.84	3.52	6.70	7.59	8.51	7.56	6.72	3.46	2.88	1.35	0.79
-4.00	0.62	0.94	1.97	2.82	3.03	3.75	4.08	3.75	2.98	2.81	1.95	0.97	0.65
-5.00	0.72	0.67	0.92	1.26	2.28	2.65	2.81	2.65	2.26	1.24	0.90	0.64	0.73
-6.00	0.54	0.71	0.60	0.80	0.97	1.08	1.13	1.08	0.95	0.78	0.59	0.70	0.53
-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.) : 43.9

Illum. (Min.) : 0.48

Illum. (Avg.) : 5.25

All illuminance level values are in lux.



Luminaire

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Current Operator 0.605

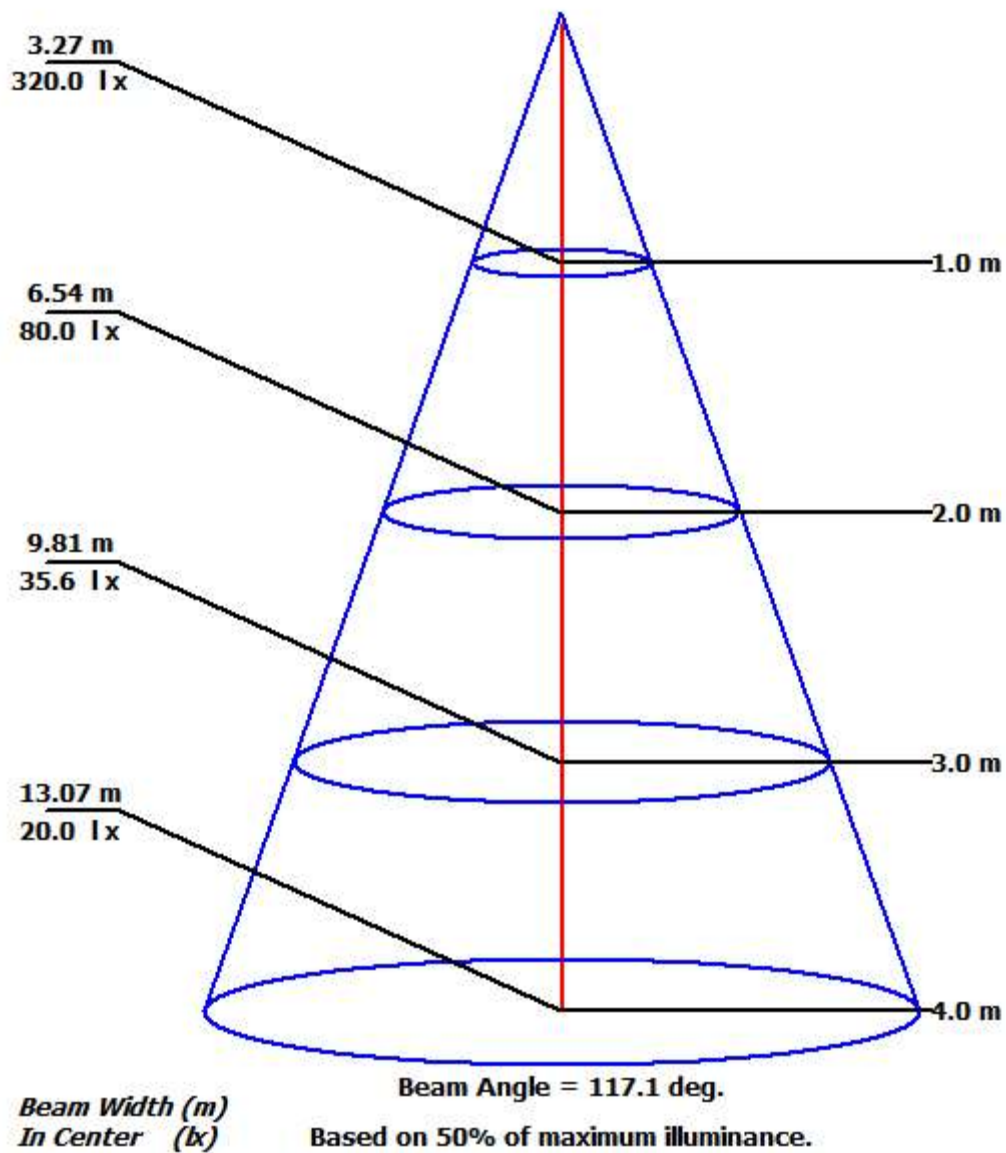
CGR

Total flux (lm) 992

Power Date 1

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Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	992	Current (A)	0.605
Total flux (lm)	992	Power Factor	1

Report

191226

Filename 191226 NDP15 30K-24V-C90 SF1911 VER 3.3em 28LM9.jdt

Operator

CGR

Date

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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