

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 : 191223

2. Purpose of Report :

3. Number of Report : 191223

4. Test Standard / Item : / 191223 NDP7 57K-24V-C90 SF1909 VER 3.3em 28LM9

5. Test Period : 191223 ~ 191223

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
191223	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3315 , 0.3401	
Correlated Color Temperature	K	5539	
Ra		92.08	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.302	
Input Watt	W	7.25	
Lamp Flux	lm	590.6	
Efficient	lm/W	81.48	
luminous Intensity (Max , Center)	cd	190 , 189	
Illuminance	lx	189	1 m
		47	2 m
		21	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

191223

No. of lamps 1

VoltageFilename 191223 NDP7 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt

Lamp flux (lm) 591

CurrenOperator 0.302

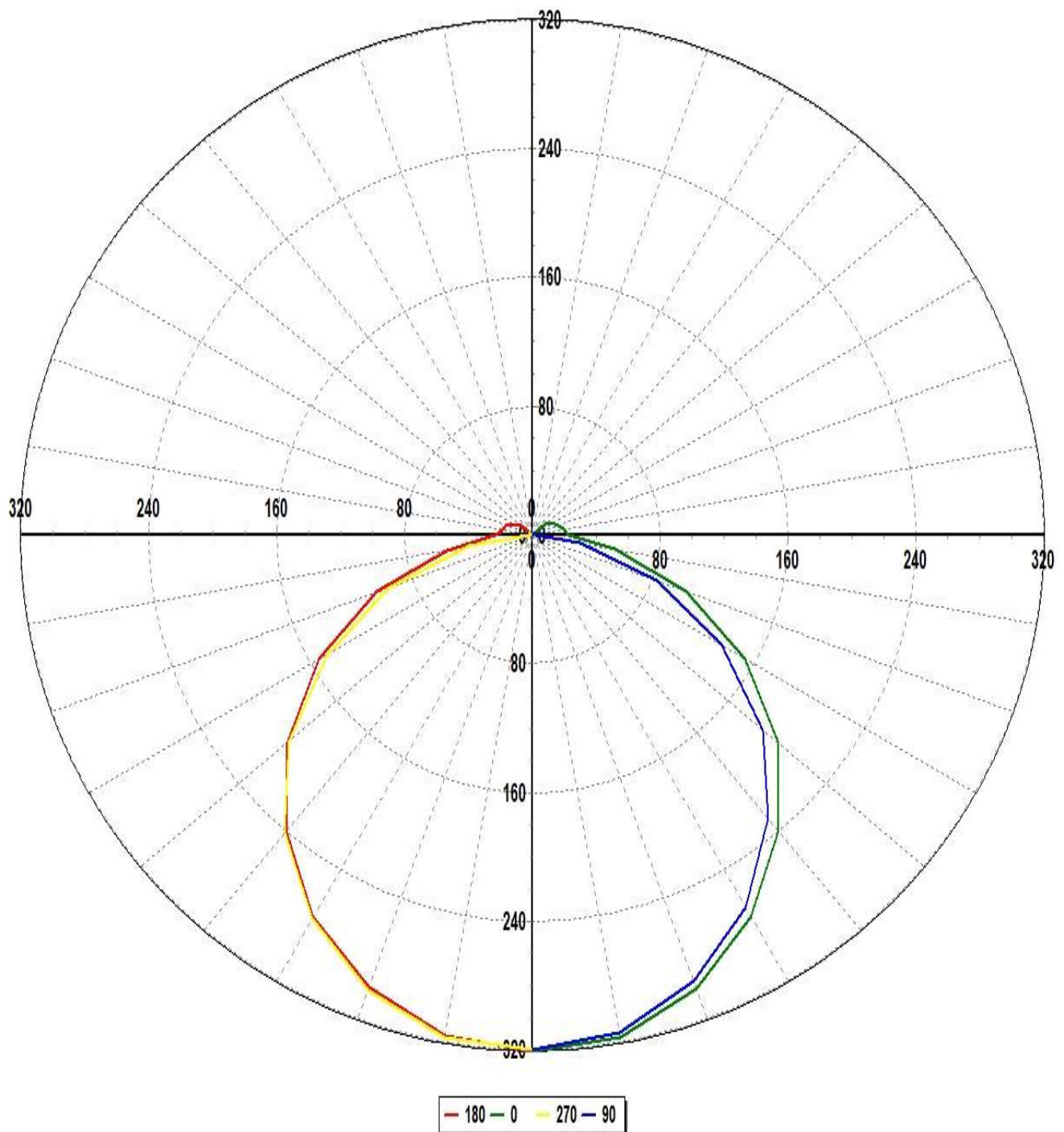
CGR

Total flux (lm) 591

PowerDateor 1

2019-12-23 오후 4:46:28

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 591

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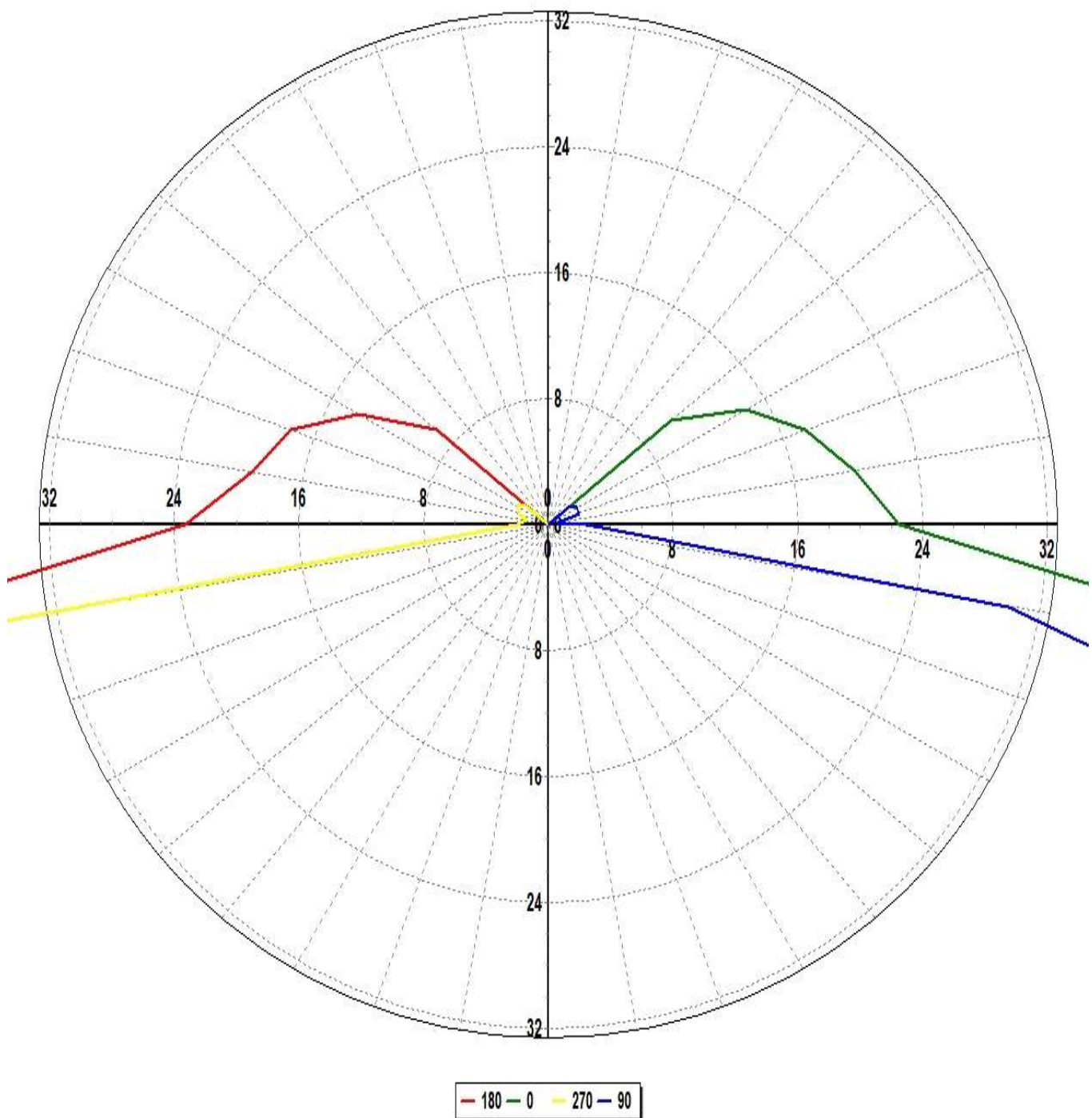
PowerDateor 1

191223

CGR

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Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp		Report	191223
No. of lamps	1	Voltage	191223 NDP7 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt
Lamp flux (lm)	591	Current	0.302
Total flux (lm)	591	Power	1
		Date	2019-12-23 오후 4:46:28

Luminous Intensity Data

Maximum (cd) : 190

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	189.45	189.96	189.26	189.15	189.08	188.47	189.45	189.96	189.26	189.15	189.08
10	187.05	185.61	185.16	185.51	184.64	185.2	186.27	186.36	186.43	187.37	186.26
20	177.07	176.12	176.02	174.39	174.12	174.36	176.81	177.91	177.42	177.51	178.22
30	161.93	160.4	160.55	157.76	157.4	158.96	162.03	162.67	161.89	162.71	163.09
40	141.85	140.97	137.51	135.66	136.66	138.09	141.86	141.89	140.91	142.5	142.88
50	118.85	116.07	112.82	111.28	111.92	112.02	118.56	117.35	116.05	117.65	118.43
60	90.78	89.13	84.85	80.68	83.64	85.17	91.2	91.61	88.71	87.98	90.75
70	60.66	57.51	53	49.1	51.4	55.04	61.09	61.64	58.49	56.89	59.51
80	31.29	27.93	22.53	17.69	21.1	25.61	32.24	31.62	26.61	24.09	27.95
90	13.29	11.06	6.42	1.44	5.93	10.9	13.77	11.32	6.29	1.18	7.23
100	11.77	10.28	6.06	0.37	5.51	10.17	11.39	9.58	4.88	0.85	5.67
110	10.34	8.7	3.06	1.25	3.72	8.17	10.4	8.84	3.45	1.18	4.85
120	8.65	5.07	1.24	1.23	1.38	4.47	8.3	7.05	0.32	1.36	1.09
130	6.08	1.21	3.44	1.05	3.13	1.68	5.53	4.16	3.28	1.12	3.03



Luminaire

Lamp		Report	191223
No. of lamps	1	VoltageFilename	191223 NDP7 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt
Lamp flux (lm)	591	CurrentOperator	0.302 CGR
Total flux (lm)	591	PowerDate/or	1 2019-12-23 오후 4:46:28

Luminous Intensity Data (Continued)

Maximum (cd) : 190

Minimum (cd) : 0

G/C	330	360
0	188.47	189.45
10	186.53	187.05
20	179.23	177.07
30	164.22	161.93
40	144.61	141.85
50	121.67	118.85
60	94.72	90.78
70	64.06	60.66
80	33.98	31.29
90	12.31	13.29
100	10.09	11.77
110	8.54	10.34
120	7.33	8.65
130	3.03	6.08



Luminaire

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Total flux (lm)	591	Power	1
		Date	2019-12-23 오후 4:46:28

Luminous Flux Table

Total Lamp Lumens:	591
Luminaire Efficiency (lm/W):	590.62
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.52	4.52	0.77	0.77
10	35.38	39.91	6.76	6.76
20	66.15	106.06	17.96	17.96
30	88.24	194.30	32.90	32.90
40	98.88	293.17	49.64	49.64
50	97.37	390.54	66.13	66.12
60	83.72	474.26	80.30	80.30
70	59.04	533.30	90.30	90.30
80	29.00	562.30	95.21	95.21
90	9.23	571.53	96.77	96.77
100	7.79	579.32	98.09	98.09
110	6.22	585.54	99.14	99.14
120	3.75	589.29	99.78	99.77
130	1.33	590.62	100.00	100.00

Luminaire

Lamp

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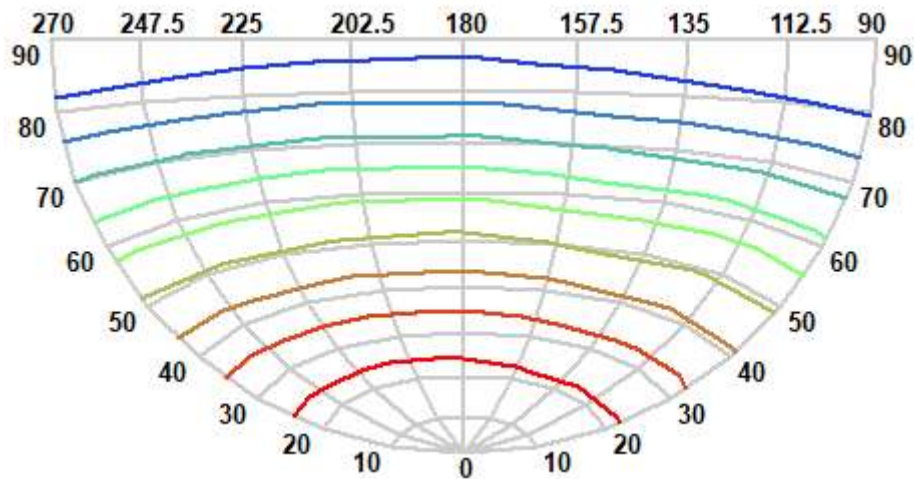
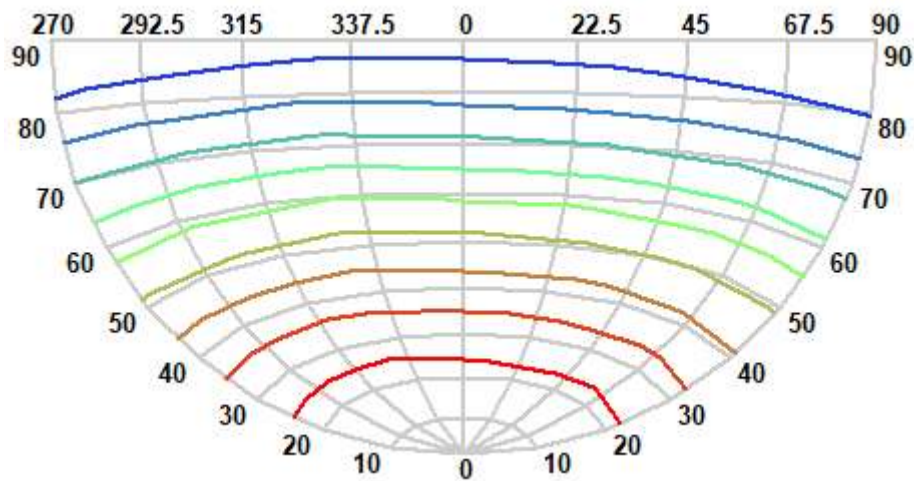
CGR

Total flux (lm) 591

PowerDateor 1

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IsoCandela (Type C)



Luminaire

Lamp

Report

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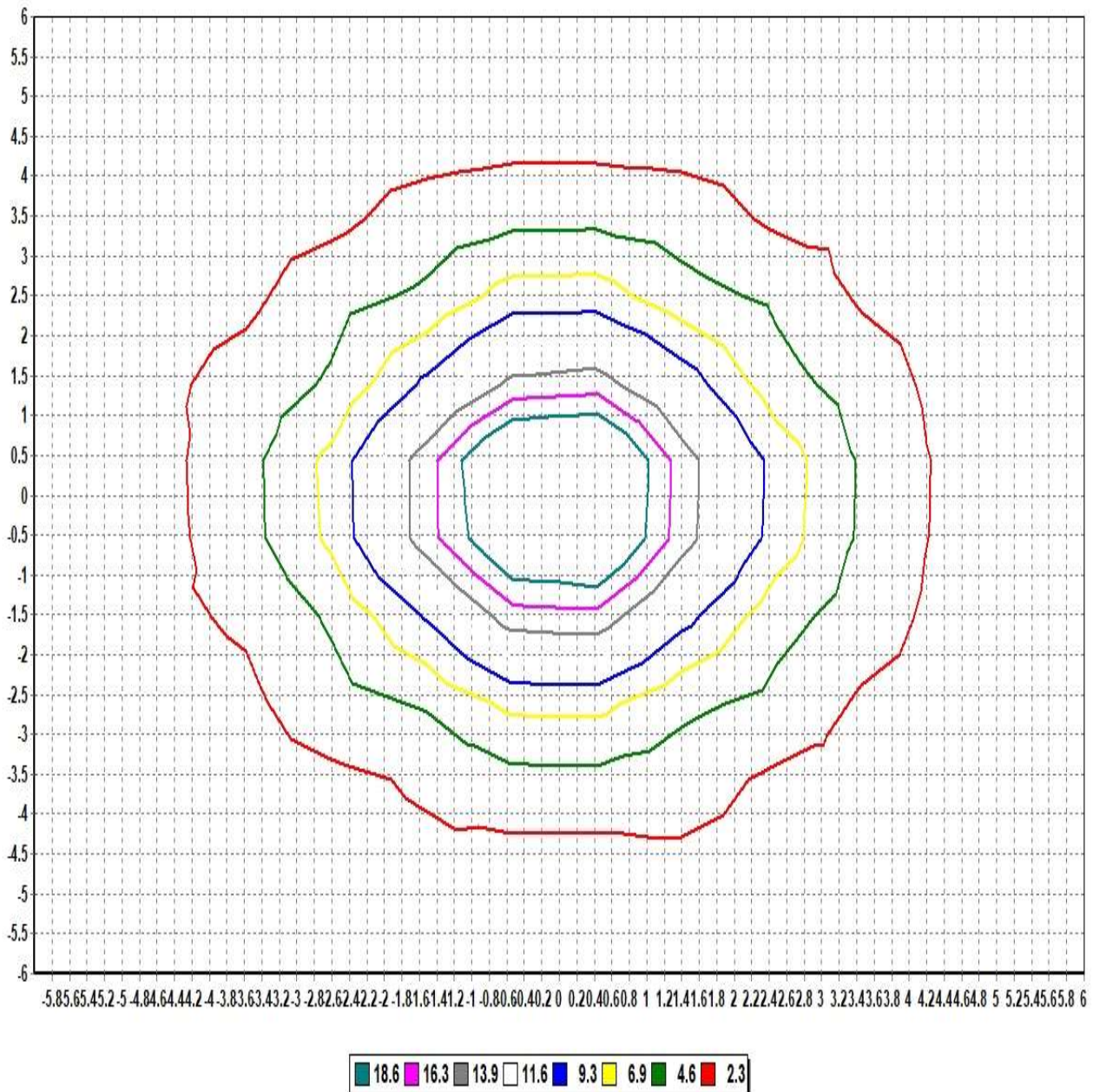
CGR

Total flux (lm) 591

PowerDateor 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

191223

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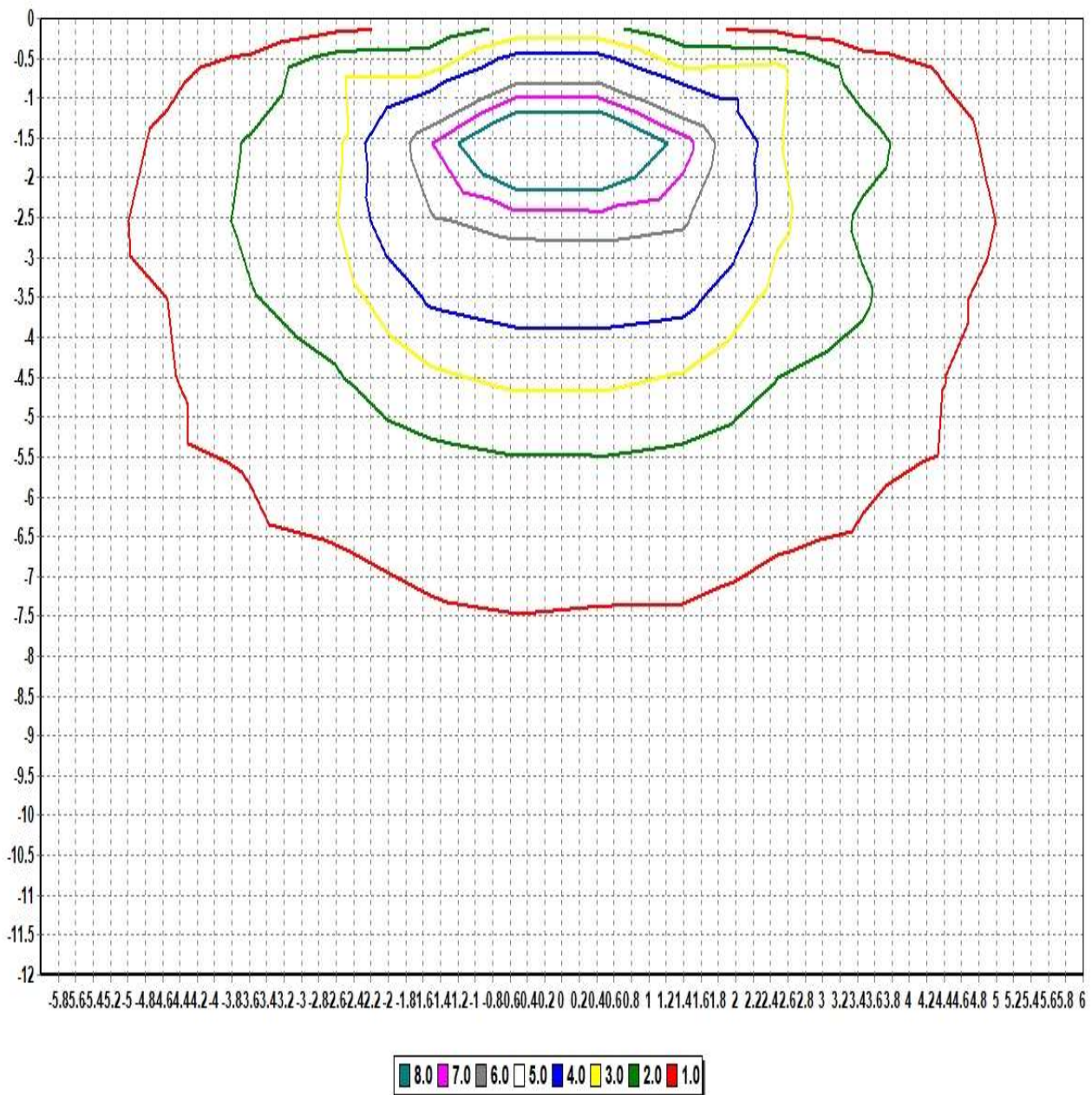
CGR

Total flux (lm) 591

PowerDateor 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)	591	Current (A)	0.302
Total flux (lm)	591	Power Factor	1

Report

191223

Filename 191223 NDP7 57K-24V-C90 SF1909 VER 3.3em 28LM9.jdt

Operator

CGR

Date

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Illuminance Levels (Ground)

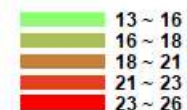
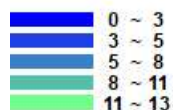
6.00	0.29	0.38	0.30	0.41	0.50	0.59	0.59	0.58	0.55	0.45	0.33	0.40	0.32
5.00	0.39	0.33	0.47	0.66	1.26	1.49	1.56	1.49	1.31	0.70	0.51	0.39	0.42
4.00	0.33	0.51	1.08	1.57	1.64	2.08	2.23	2.08	1.74	1.60	1.15	0.55	0.37
3.00	0.41	0.71	1.58	1.90	3.78	4.24	4.77	4.36	3.84	2.05	1.67	0.77	0.46
2.00	0.52	1.27	1.65	3.83	5.45	8.60	10.20	8.85	5.70	3.97	1.75	1.33	0.57
1.00	0.65	1.55	2.19	4.25	8.62	15.40	20.94	15.71	8.89	4.44	2.29	1.61	0.69
0.00	0.70	1.68	2.45	5.06	10.59	21.04	25.99	21.12	10.59	5.07	2.45	1.68	0.70
-1.00	0.63	1.53	2.18	4.47	8.94	15.82	21.16	15.87	9.01	4.54	2.29	1.60	0.67
-2.00	0.59	1.34	1.79	3.97	5.72	8.93	10.64	9.00	5.74	4.05	1.79	1.36	0.59
-3.00	0.48	0.77	1.68	2.08	3.93	4.43	5.03	4.48	3.98	2.05	1.71	0.80	0.47
-4.00	0.37	0.56	1.16	1.65	1.78	2.20	2.40	2.20	1.77	1.66	1.15	0.58	0.39
-5.00	0.42	0.40	0.55	0.75	1.34	1.56	1.66	1.56	1.34	0.73	0.54	0.38	0.43
-6.00	0.32	0.42	0.36	0.48	0.58	0.64	0.66	0.64	0.57	0.47	0.35	0.41	0.31
-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.) : 26.0

Illum. (Min.) : 0.29

Illum. (Avg.) : 3.11

All illuminance level values are in lux.



Luminaire

Lamp

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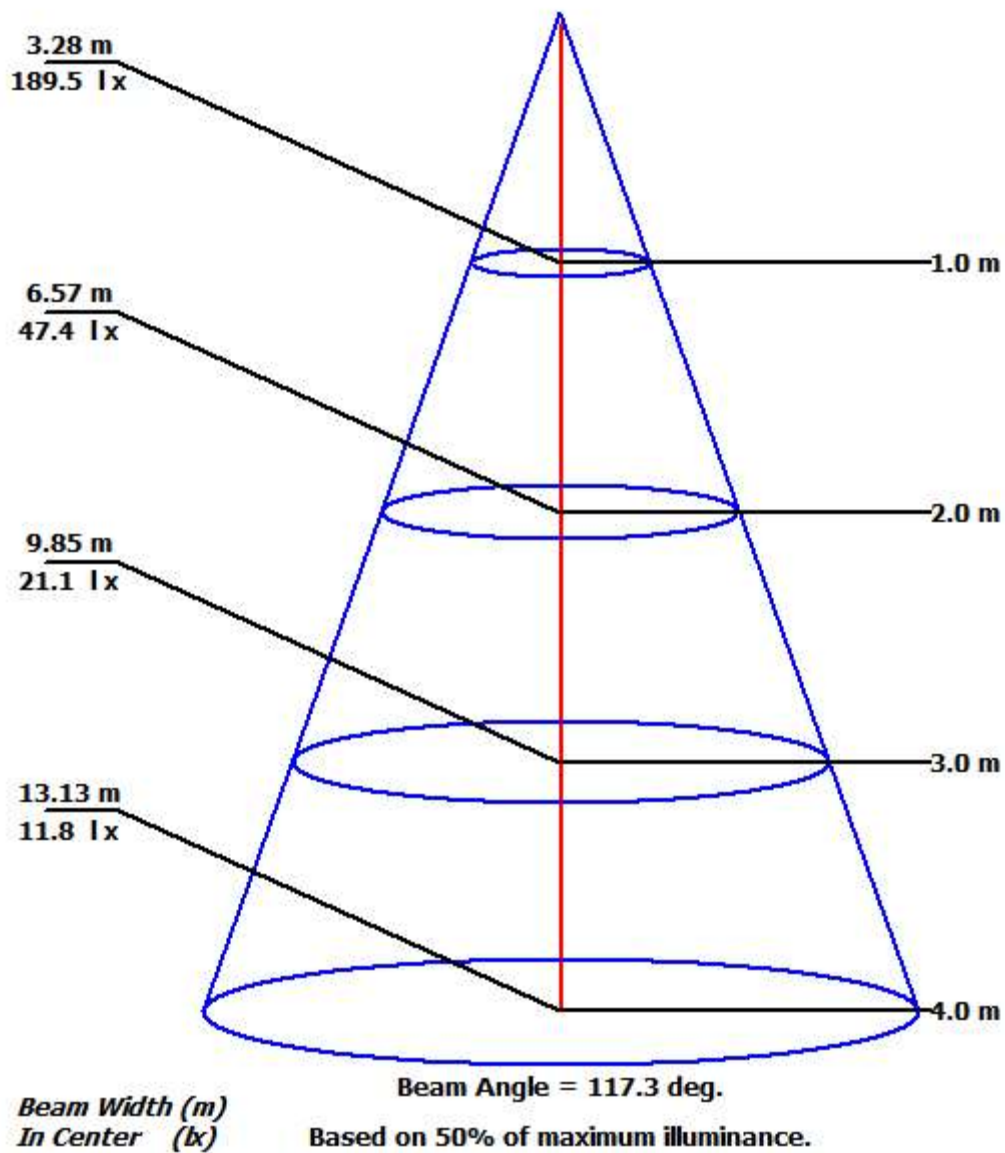
CGR

Total flux (lm) 591

PowerDateor 1

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Illuminance Cone Diagram





Luminaire

Lamp

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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