

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 : 191217

2. Purpose of Report :

3. Number of Report : 191217

4. Test Standard / Item : / 191217 NDP3 30K-24V-C90 SF1909 VER 3.3em 28LM9

5. Test Period : 191217 ~ 191217

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 reporduced, 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
191217	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4401 , 0.4034	
Correlated Color Temperature	K	2958	
Ra		93.27	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.102	
Input Watt	W	2.45	
Lamp Flux	lm	163.9	
Efficient	lm/W	66.95	
luminous Intensity (Max , Center)	cd	52 , 52	
Illuminance	lx	52	1 m
		13	2 m
		6	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

No. of lamps 1

Lamp flux (lm) 164

Total flux (lm) 164

Report

VoltageFilename 191217 NDP3 30K-24V-C90 SF1909 VER 3.3em 28LM9.jdt

CurrenOperator 0.102

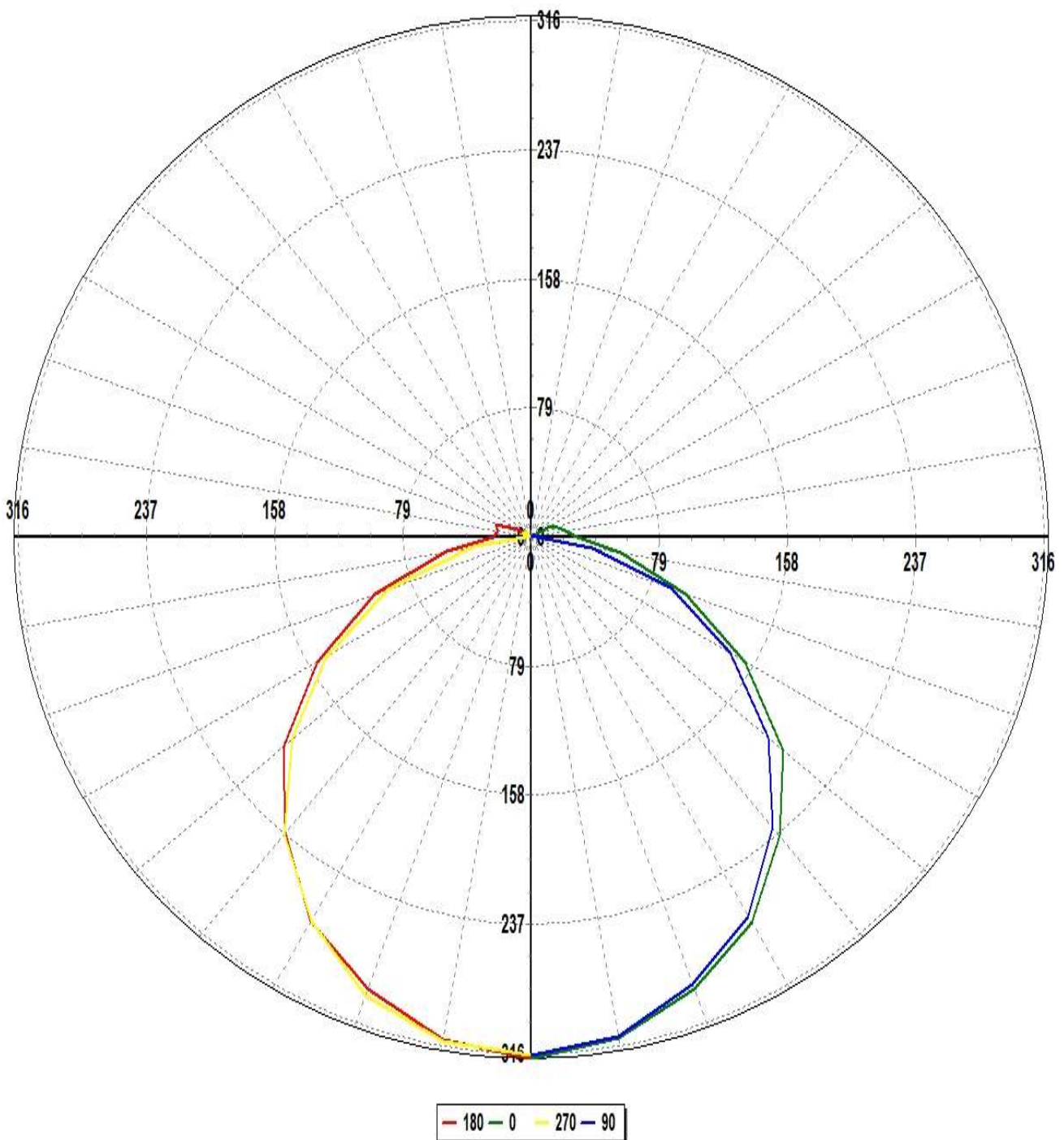
PowerDateor 1

191217

CGR

2019-12-17 오후 2:49:02

Luminous Intensity Distribution



Luminaire

Lamp

Report

191217

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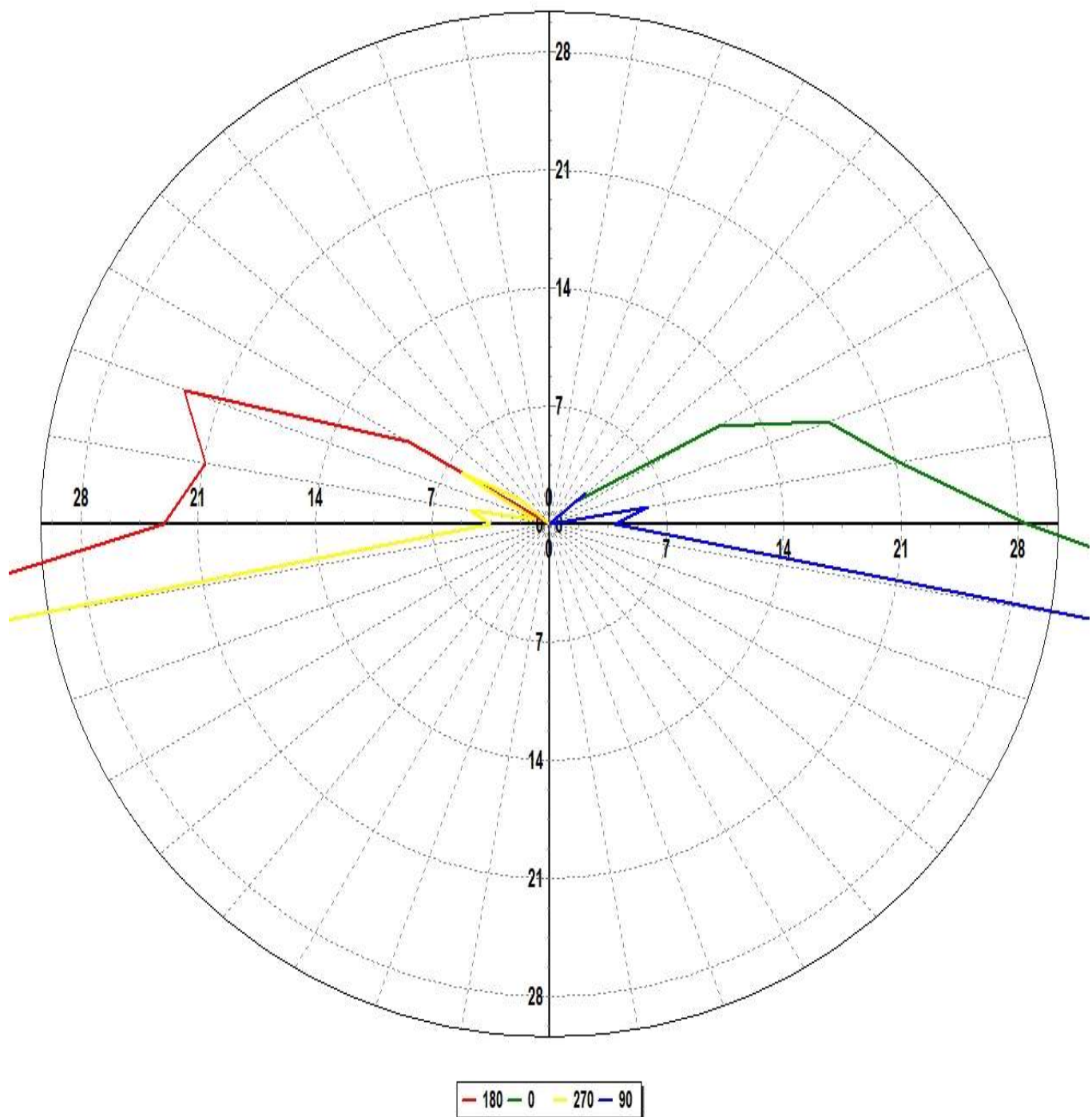
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Total flux (lm) 164

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Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp		Report	191217
No. of lamps	1	Voltage	191217 NDP3 30K-24V-C90 SF1909 VER 3.3em 28LM9.jdt
Lamp flux (lm)	164	Current	0.102
Total flux (lm)	164	Power	1
		Date	2019-12-17 오후 2:49:02

Luminous Intensity Data

Maximum (cd) : 52

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	52.3	51.41	52.14	51.94	51.82	51.92	52.3	51.41	52.14	51.94	51.82	51.92	52.3
10	50.95	51.57	51.27	50.85	51.31	51.1	51.24	51.18	51.34	51.29	51.45	51.41	50.95
20	48.32	48.82	48.03	47.7	48.32	49.02	48.3	48.93	48.27	48.89	48.68	49.6	48.32
30	44.6	44.64	43.86	43.93	44.08	43.22	44.55	45.44	44.41	44.48	44.71	45.2	44.6
40	39.15	39	37.61	37.99	38.53	38.43	38.67	38.7	38.74	38.82	39.42	39.5	39.15
50	33.32	31.94	31.72	31.36	31.45	30.88	32.7	32.86	31.86	31.53	32.83	32.82	33.32
60	24.99	24.46	23.82	23.25	24.09	23.27	24.9	24.6	23.23	23.97	24.4	25.28	24.99
70	16.64	16.47	14.48	15.06	14.46	15.64	16.76	15.88	15.66	15.4	16.27	16.97	16.64
80	9.27	7.89	6.58	6.23	6.67	7.52	8.66	8.48	6.89	5.88	7.57	9.7	9.27
90	4.68	3.14	2.01	0.64	1.99	3.66	3.79	3.3	1.85	0.58	2.13	3.64	4.68
100	3.48	3.28	2.13	0.98	2.35	2.68	3.42	3.15	1.06	0.8	1.89	3.14	3.48
110	2.9	2.09	1.41	-0.04	1.12	2.69	3.81	2.64	1.32	0.14	1.53	2.64	2.9
120	1.91	2.49	0.01	-0.23	0.54	1.38	1.59	2.22	0.48	1	0.04	2.66	1.91
130	0.32	0.82	1.06	0.46	0.73	1.28	-0.27	0.92	0.47	0.38	1.27	1.25	0.32



Luminaire

Lamp		Report	191217
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Total flux (lm)	164	Power	1
		Date	2019-12-17 오후 2:49:02

Luminous Flux Table

Total Lamp Lumens:	164
Luminaire Efficiency (lm/W):	163.87
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.24	1.24	0.76	0.76
10	9.75	10.99	6.70	6.71
20	18.20	29.18	17.81	17.81
30	24.33	53.51	32.65	32.65
40	27.25	80.77	49.28	49.29
50	26.94	107.70	65.71	65.72
60	22.94	130.64	79.71	79.72
70	16.27	146.91	89.64	89.65
80	8.21	155.12	94.64	94.66
90	2.87	157.99	96.39	96.41
100	2.55	160.54	97.95	97.96
110	1.91	162.44	99.11	99.13
120	1.11	163.56	99.79	99.81
130	0.32	163.87	99.98	100.00

Luminaire

Lamp

Report

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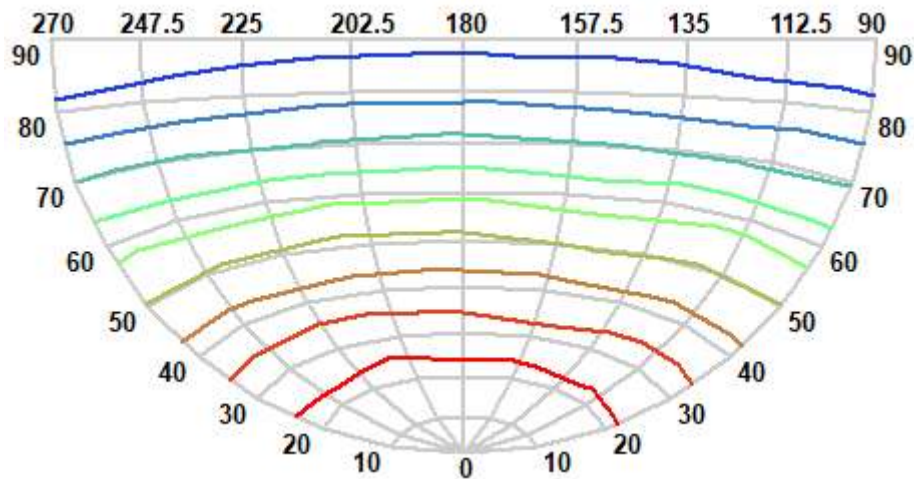
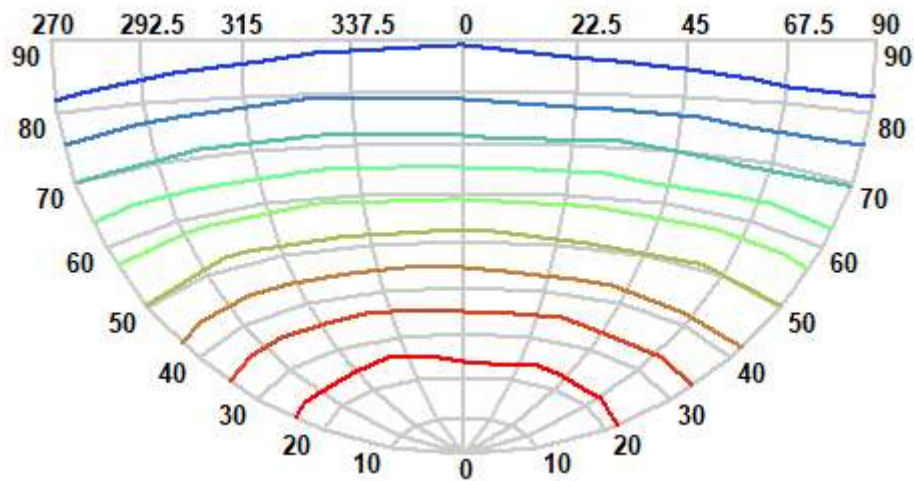
CGR

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PowerDateor 1

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IsoCandela (Type C)



Luminaire

Lamp

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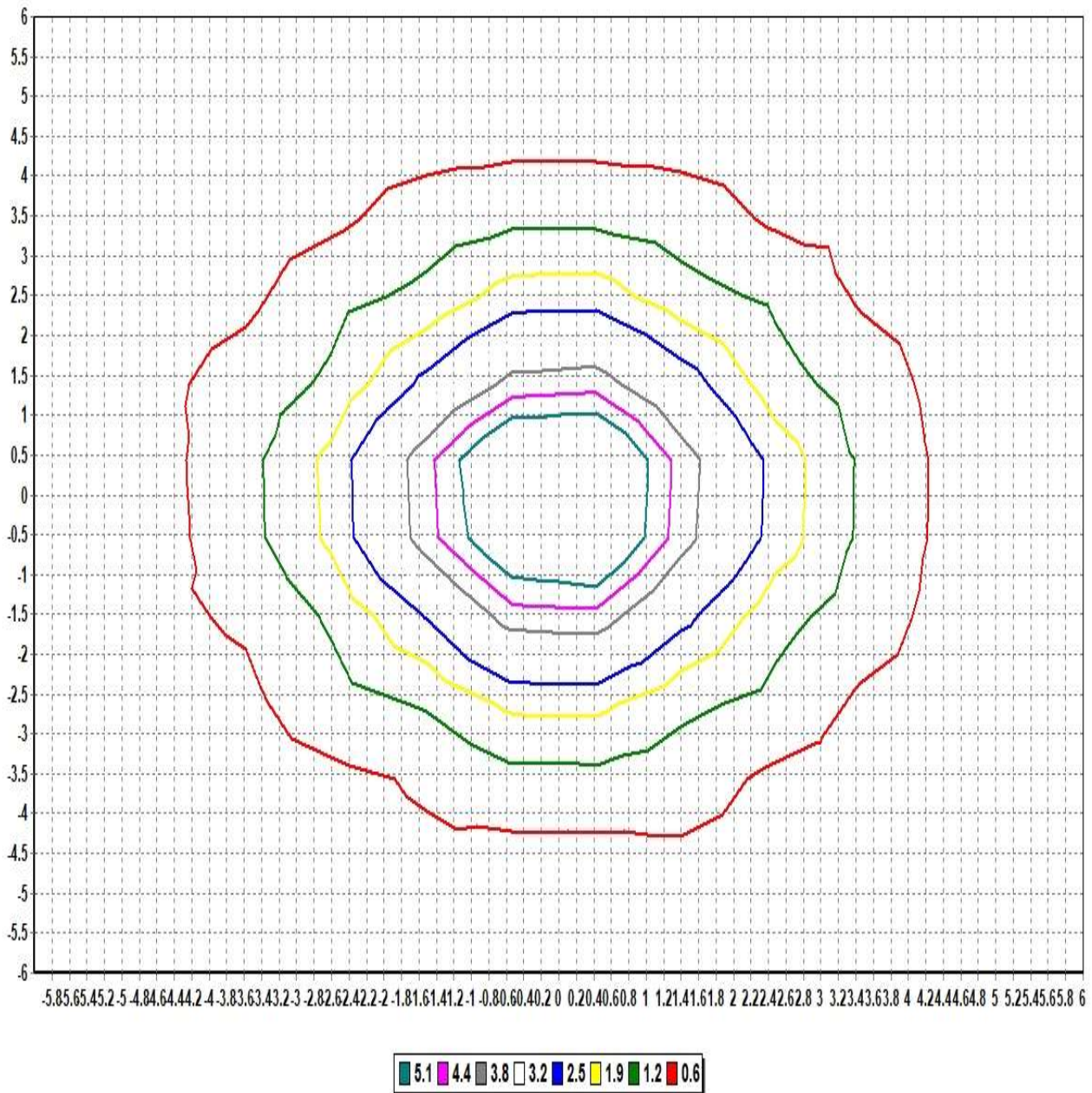
CGR

Total flux (lm) 164

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

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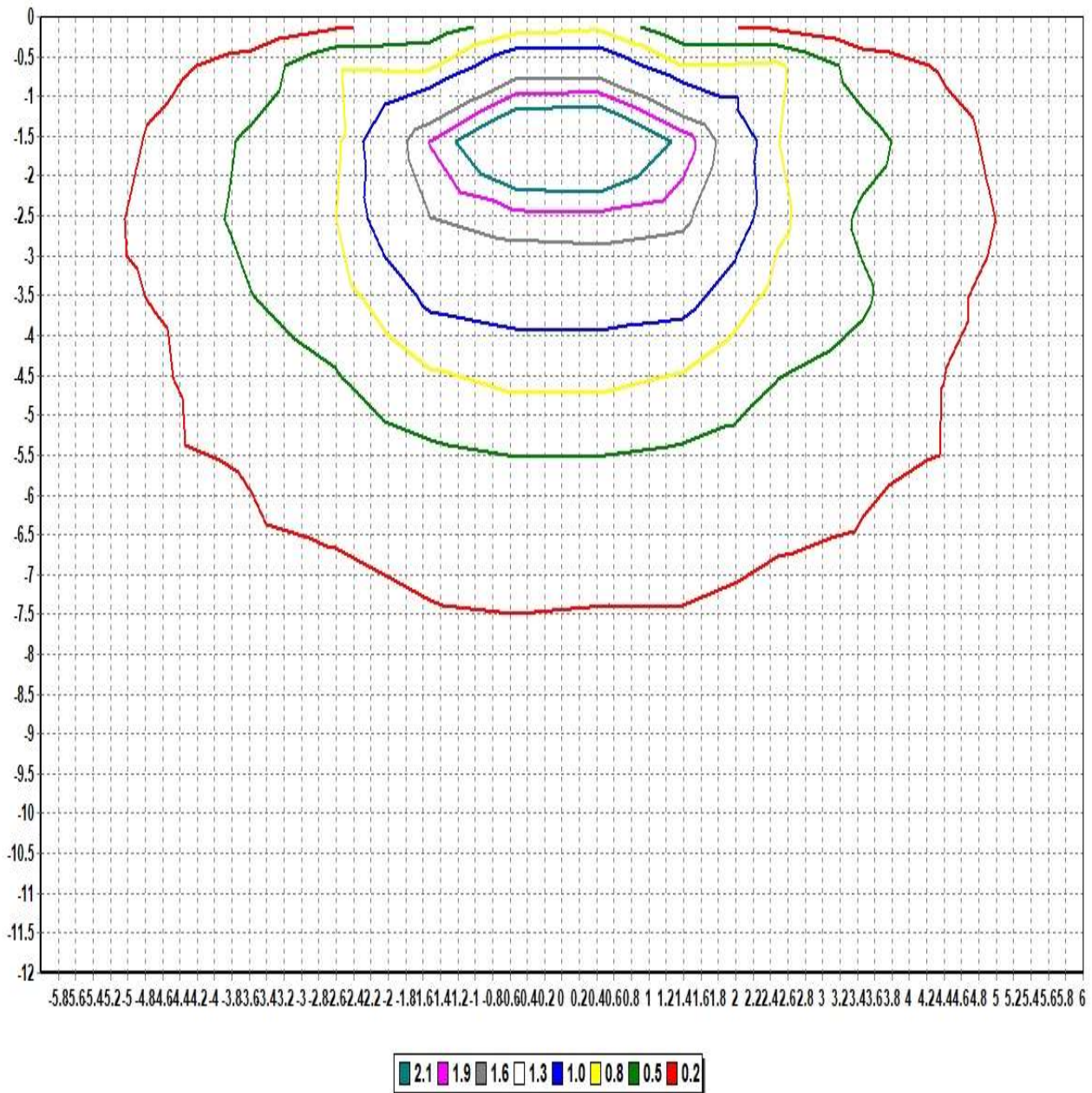
CGR

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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)	164	Current (A)	0.102
Total flux (lm)	164	Power Factor	1

Report

191217

Filename 191217 NDP3 30K-24V-C90 SF1909 VER 3.3em 28LM9.jdt

Operator

CGR

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Illuminance Levels (Ground)

6.00	0.08	0.11	0.09	0.12	0.15	0.17	0.18	0.17	0.15	0.13	0.09	0.11	0.09
5.00	0.11	0.10	0.14	0.19	0.36	0.42	0.44	0.42	0.36	0.19	0.14	0.11	0.12
4.00	0.09	0.14	0.31	0.44	0.47	0.59	0.64	0.59	0.48	0.45	0.32	0.15	0.10
3.00	0.12	0.20	0.44	0.54	1.06	1.19	1.34	1.21	1.06	0.57	0.47	0.21	0.13
2.00	0.15	0.36	0.47	1.07	1.53	2.42	2.85	2.45	1.58	1.10	0.48	0.37	0.16
1.00	0.18	0.43	0.60	1.19	2.43	4.29	5.74	4.34	2.46	1.23	0.62	0.44	0.18
0.00	0.19	0.46	0.67	1.39	2.90	5.79	7.17	5.75	2.92	1.42	0.68	0.47	0.19
-1.00	0.17	0.42	0.60	1.24	2.44	4.37	5.79	4.35	2.48	1.25	0.62	0.44	0.18
-2.00	0.16	0.37	0.48	1.09	1.58	2.44	2.90	2.48	1.57	1.10	0.48	0.37	0.16
-3.00	0.13	0.21	0.46	0.57	1.08	1.23	1.35	1.23	1.08	0.56	0.46	0.21	0.13
-4.00	0.10	0.15	0.32	0.45	0.48	0.59	0.65	0.59	0.48	0.45	0.31	0.15	0.10
-5.00	0.11	0.11	0.14	0.20	0.37	0.42	0.45	0.42	0.37	0.20	0.15	0.10	0.12
-6.00	0.09	0.11	0.10	0.13	0.15	0.17	0.18	0.17	0.15	0.13	0.09	0.11	0.08
-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.) : 7.17

Illum. (Min.) : 0.08

Illum. (Avg.) : 0.86

All illuminance level values are in lux.



Luminaire

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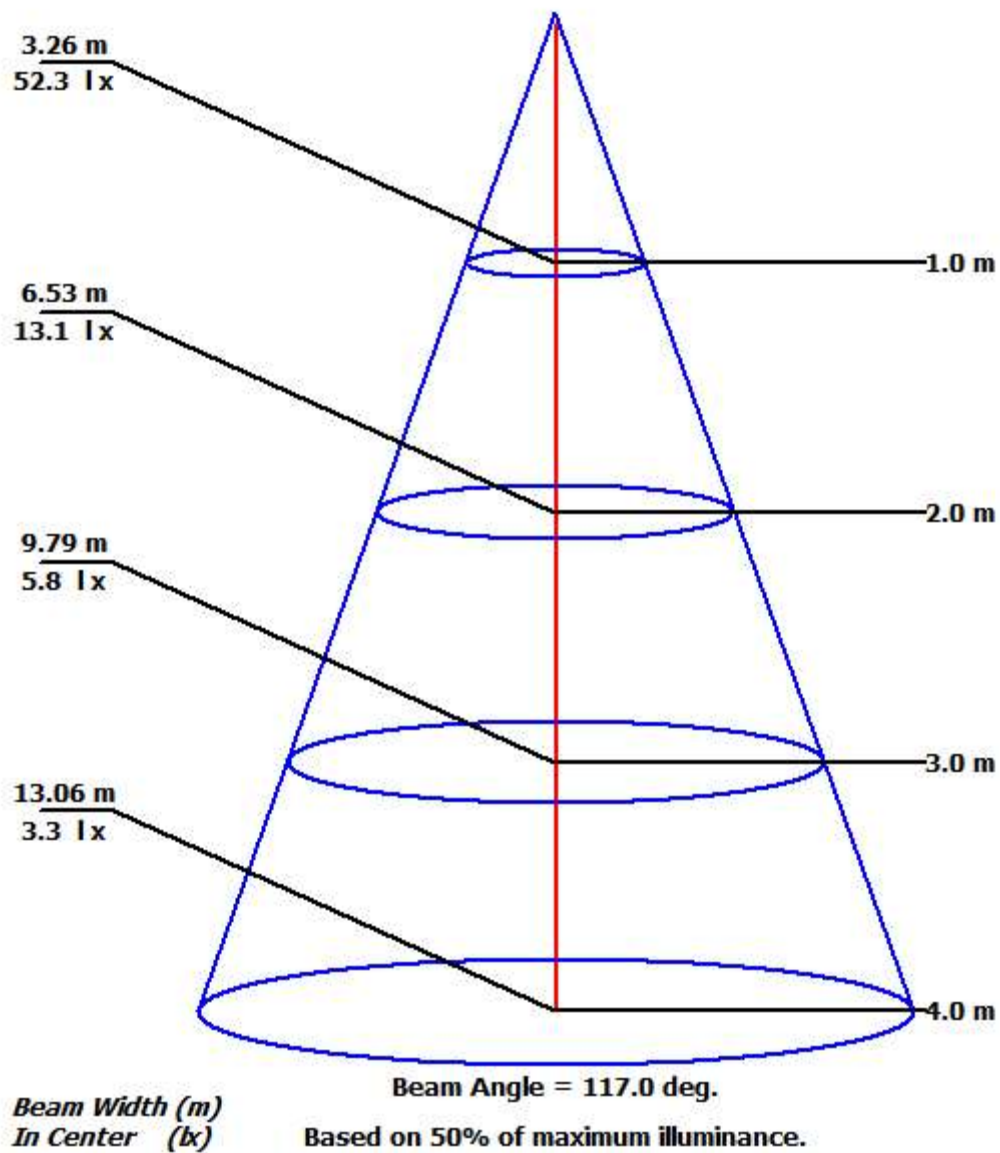
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Illuminance Cone Diagram





Luminaire

Lamp

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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