

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 : 200108

2. Purpose of Report :

3. Number of Report : 200108

4. Test Standard / Item : / 200108 NDP7 40K-24V-C90 SF1903 VER3.2e 28LM9

5. Test Period : 200108 ~ 200108

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	MKOH	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
200108	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3855 , 0.3769	
Correlated Color Temperature	K	3877	
Ra		94.36	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.302	
Input Watt	W	7.25	
Lamp Flux	lm	524.5	
Efficient	lm/W	72.36	
luminous Intensity (Max , Center)	cd	173 , 173	
Illuminance	lx	173	1 m
		43	2 m
		19	3 m

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

* Sample photo

Click to load image

Luminaire

Lamp

Report

200108

No. of lamps 1

Voltage (Filename 200108 NDP7 40K-24V-C90 SF1903 VER3.2e 28LM9.jdt

Lamp flux (lm) 525

Current (Operator 0.302

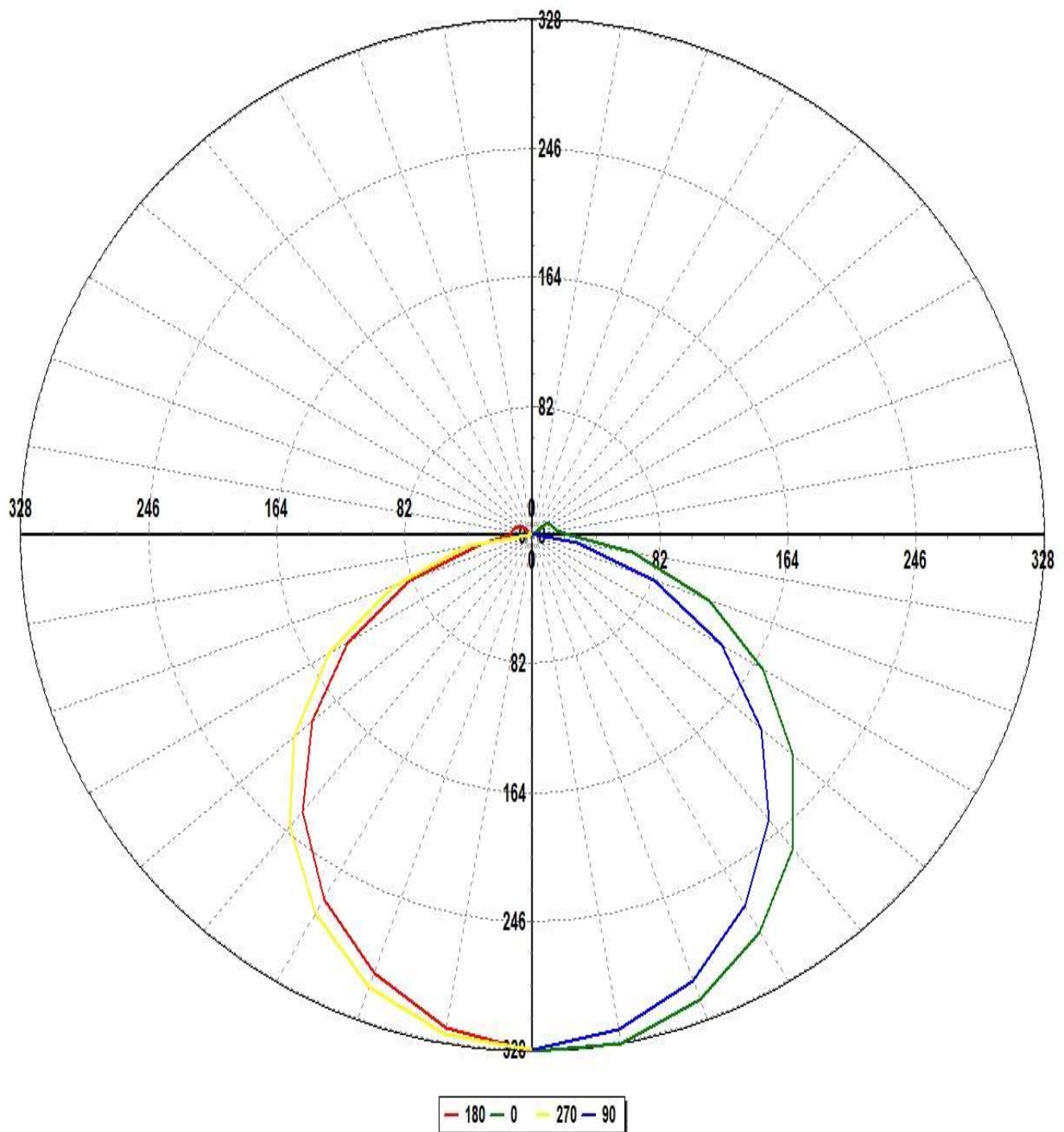
CGR

Total flux (lm) 525

Power Factor Date 1

2020-01-08 오후 1:37:36

Luminous Intensity Distribution



Luminaire

Lamp

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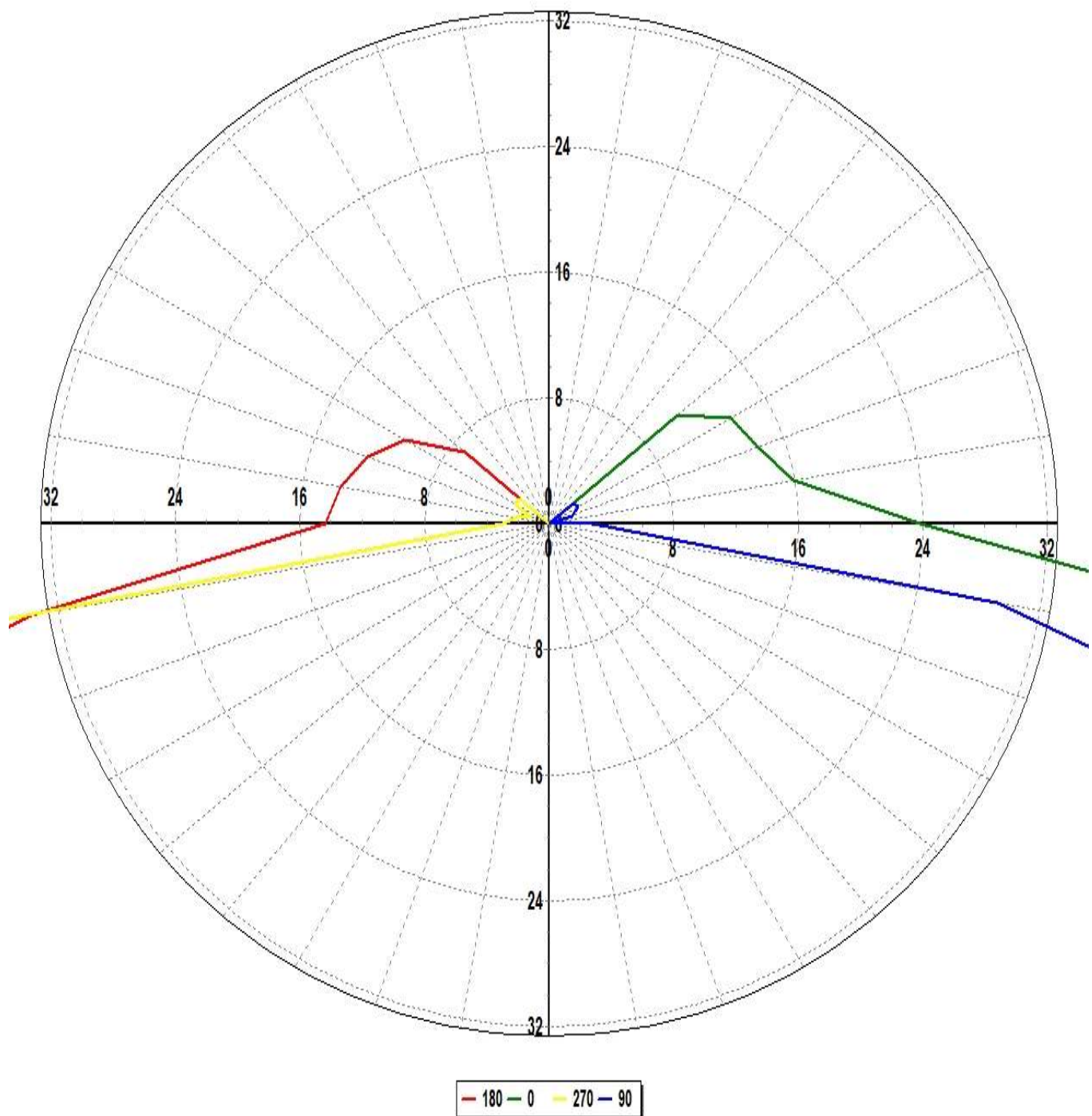
CGR

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Power Factor Date 1

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

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Luminous Intensity Data

Maximum (cd) : 173

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	172.59	172.27	172.38	171.96	172.25	171.53	172.59	172.27	172.38	171.96	172.25
10	172.54	170.79	170.3	167.77	166.29	165.2	167.18	166.28	168.98	169.27	169.79
20	165.34	164.18	160.81	158.37	156.67	154.24	155.61	157.18	157.56	161.04	162.53
30	153.33	150.48	147.24	143.12	139.9	137.67	140.51	141.43	143.1	146.34	149.2
40	136.79	133.83	128.85	124.16	120.6	116.9	120.63	121.49	123.39	127.25	132.6
50	114.61	111.18	107.81	100.53	97.23	93.39	97.02	98.17	99.94	104.92	110.3
60	89.74	87.64	81.13	73.64	69.18	66.66	71.89	72.61	74.64	78.84	85.15
70	63.47	59.53	52.38	43.59	41.59	38.78	43.89	44.88	46.48	49.9	57.36
80	34.21	31.98	24.41	15.34	13.74	14.26	17.73	17.85	17.76	21.77	28.91
90	12.52	9.88	4.2	1.44	3.53	6.26	7.53	6.36	3.07	1.56	6.85
100	8.38	7.32	3.77	-0.14	3.94	5.88	7.12	6.01	3.08	1.11	3.5
110	7.49	6.42	3.31	0.82	3	6.35	6.51	5.83	3	0.64	4.04
120	7.08	5.55	0.62	1.14	1.64	4.19	5.61	5	0.6	1.33	1.17
130	5.65	1.09	1.46	1.06	2.28	1.51	3.7	3.04	1.74	1.28	3.13



Luminaire

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Luminous Intensity Data (Continued)

Maximum (cd) : 173

Minimum (cd) : 0

G/C	330	360
0	171.53	172.59
10	170.33	172.54
20	165.5	165.34
30	152.85	153.33
40	136.23	136.79
50	116.11	114.61
60	91.46	89.74
70	64.73	63.47
80	36.1	34.21
90	11.92	12.52
100	7.84	8.38
110	6.8	7.49
120	4.99	7.08
130	2.43	5.65



Luminaire

Lamp		Report	200108
No. of lamps	1	Voltage (Filename 200108 NDP7 40K-24V-C90 SF1903 VER3.2e 28LM9.jdt	
Lamp flux (lm)	525	Current (Operator 0.302	CGR
Total flux (lm)	525	Power Factor	1
		Date	2020-01-08 오후 1:37:36

Luminous Flux Table

Total Lamp Lumens:	525
Luminaire Efficiency (lm/W):	524.53
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	4.12	4.12	0.78	0.78
10	32.09	36.21	6.90	6.90
20	59.90	96.11	18.32	18.32
30	79.64	175.75	33.51	33.51
40	89.33	265.08	50.54	50.54
50	87.48	352.56	67.22	67.22
60	74.50	427.07	81.42	81.42
70	52.02	479.09	91.34	91.34
80	24.63	503.72	96.04	96.03
90	6.86	510.58	97.35	97.34
100	5.20	515.77	98.34	98.33
110	4.65	520.43	99.22	99.22
120	3.08	523.50	99.81	99.80
130	1.03	524.53	100.01	100.00

Luminaire

Lamp

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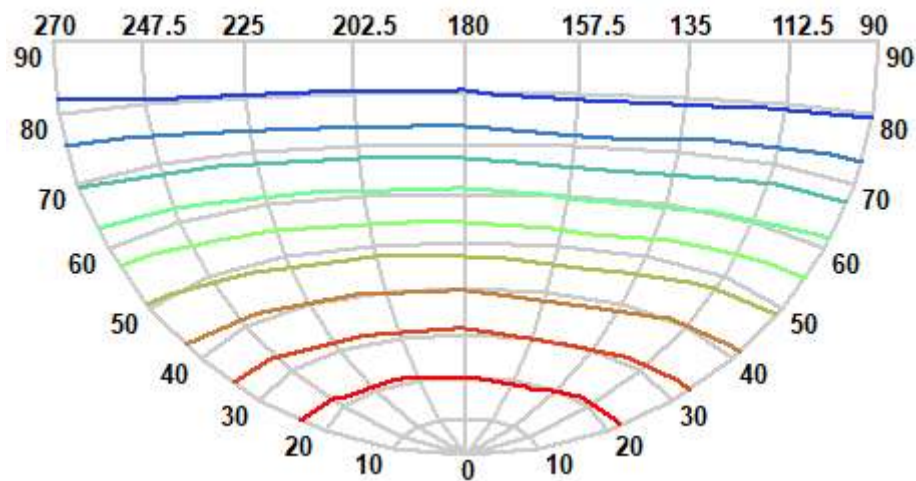
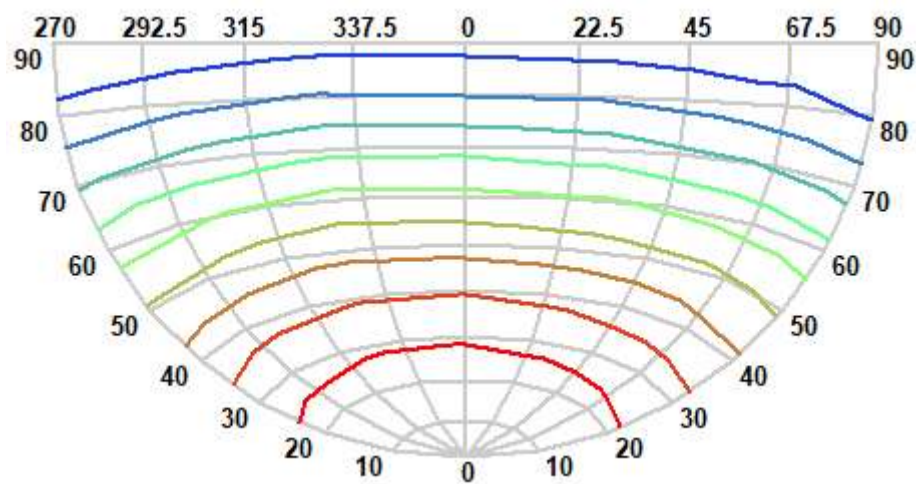
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IsoCandela (Type C)



0 ~ 17	86 ~ 103
17 ~ 34	103 ~ 121
34 ~ 52	121 ~ 138
52 ~ 69	138 ~ 155
69 ~ 86	155 ~ 173

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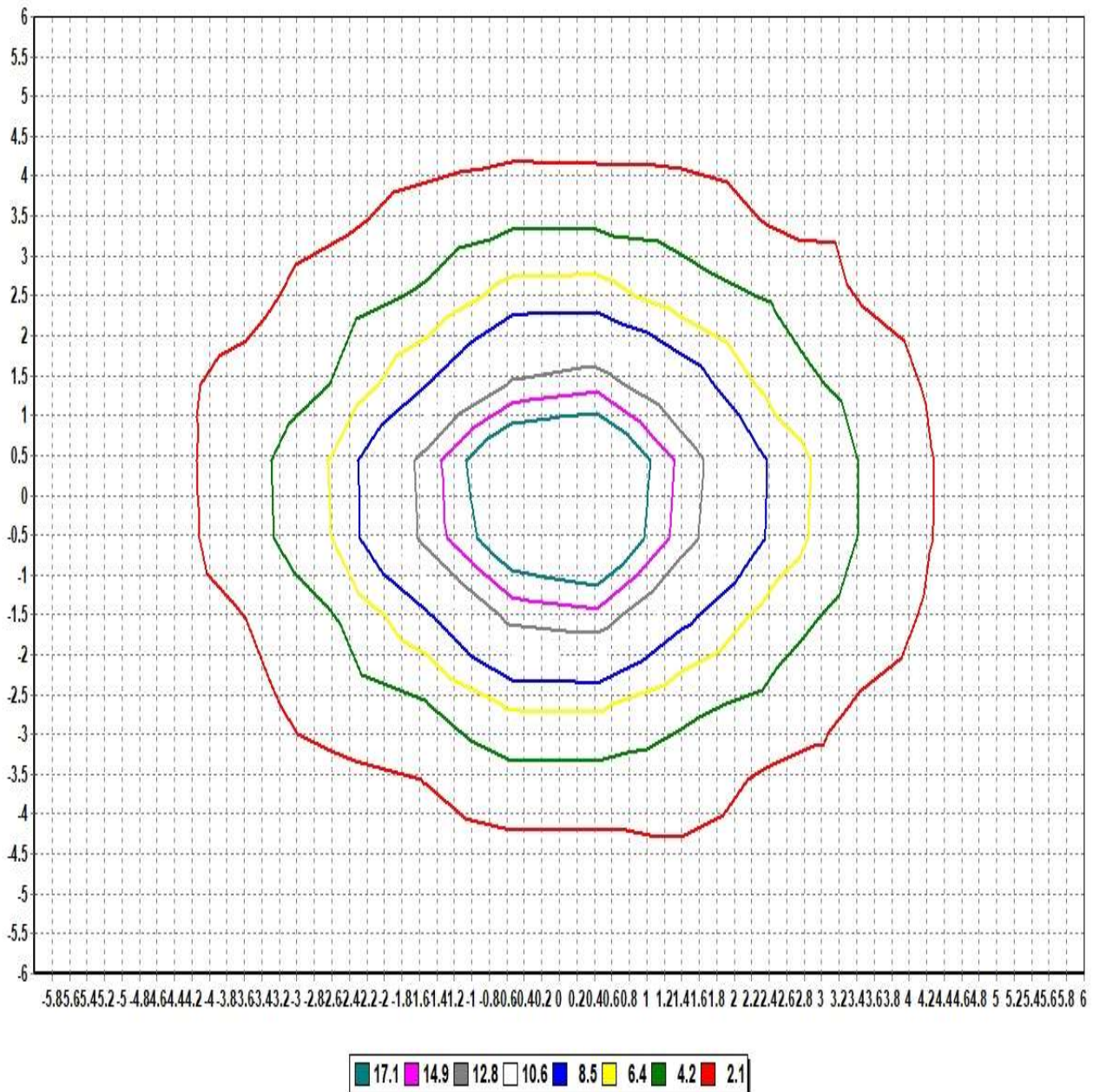
CGR

Total flux (lm) 525

Power Factor Date 1

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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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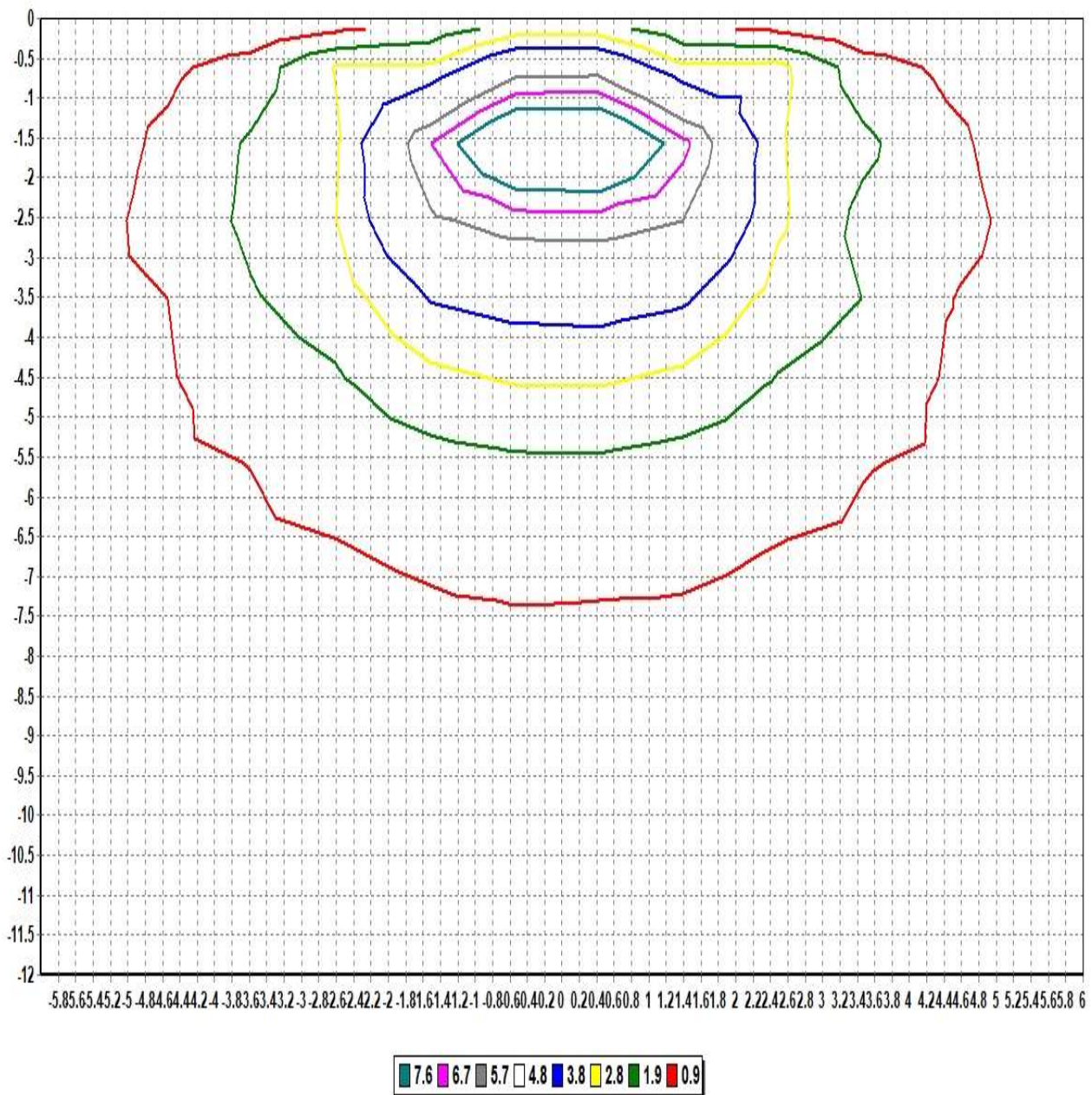
CGR

Total flux (lm) 525

Power Factor Date 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)	525	Current (A)	0.302
Total flux (lm)	525	Power Factor	1

Report

200108

Filename 200108 NDP7 40K-24V-C90 SF1903 VER3.2e 28LM9.jdt

Operator CGR

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Illuminance Levels (Ground)

6.00	0.25	0.33	0.27	0.34	0.43	0.56	0.53	0.53	0.54	0.46	0.32	0.39	0.31
5.00	0.31	0.28	0.41	0.59	1.10	1.40	1.41	1.37	1.26	0.68	0.50	0.40	0.41
4.00	0.24	0.38	0.95	1.40	1.38	1.95	2.03	1.93	1.70	1.54	1.12	0.56	0.38
3.00	0.33	0.53	1.32	1.66	3.43	3.74	4.32	4.17	3.63	2.01	1.62	0.77	0.47
2.00	0.41	1.07	1.36	3.25	4.85	7.63	9.31	8.39	5.47	3.82	1.71	1.29	0.58
1.00	0.49	1.27	1.75	3.64	7.58	13.85	18.94	14.77	8.45	4.27	2.22	1.55	0.69
0.00	0.53	1.37	1.97	4.18	9.08	18.87	23.67	19.49	10.14	4.89	2.40	1.63	0.71
-1.00	0.47	1.25	1.75	3.71	7.65	13.79	19.12	14.41	8.37	4.27	2.22	1.55	0.68
-2.00	0.44	1.10	1.43	3.35	4.80	7.67	9.53	8.31	5.23	3.82	1.68	1.28	0.57
-3.00	0.36	0.59	1.37	1.67	3.42	3.76	4.49	4.11	3.57	1.88	1.63	0.79	0.45
-4.00	0.27	0.42	0.95	1.40	1.43	1.92	2.15	1.91	1.65	1.50	1.05	0.57	0.39
-5.00	0.33	0.29	0.43	0.61	1.11	1.37	1.48	1.36	1.24	0.65	0.48	0.35	0.42
-6.00	0.25	0.34	0.28	0.36	0.45	0.55	0.59	0.54	0.53	0.44	0.31	0.37	0.29
-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.) : 23.7

Illum. (Min.) : 0.24

Illum. (Avg.) : 2.80

All illuminance level values are in lux.



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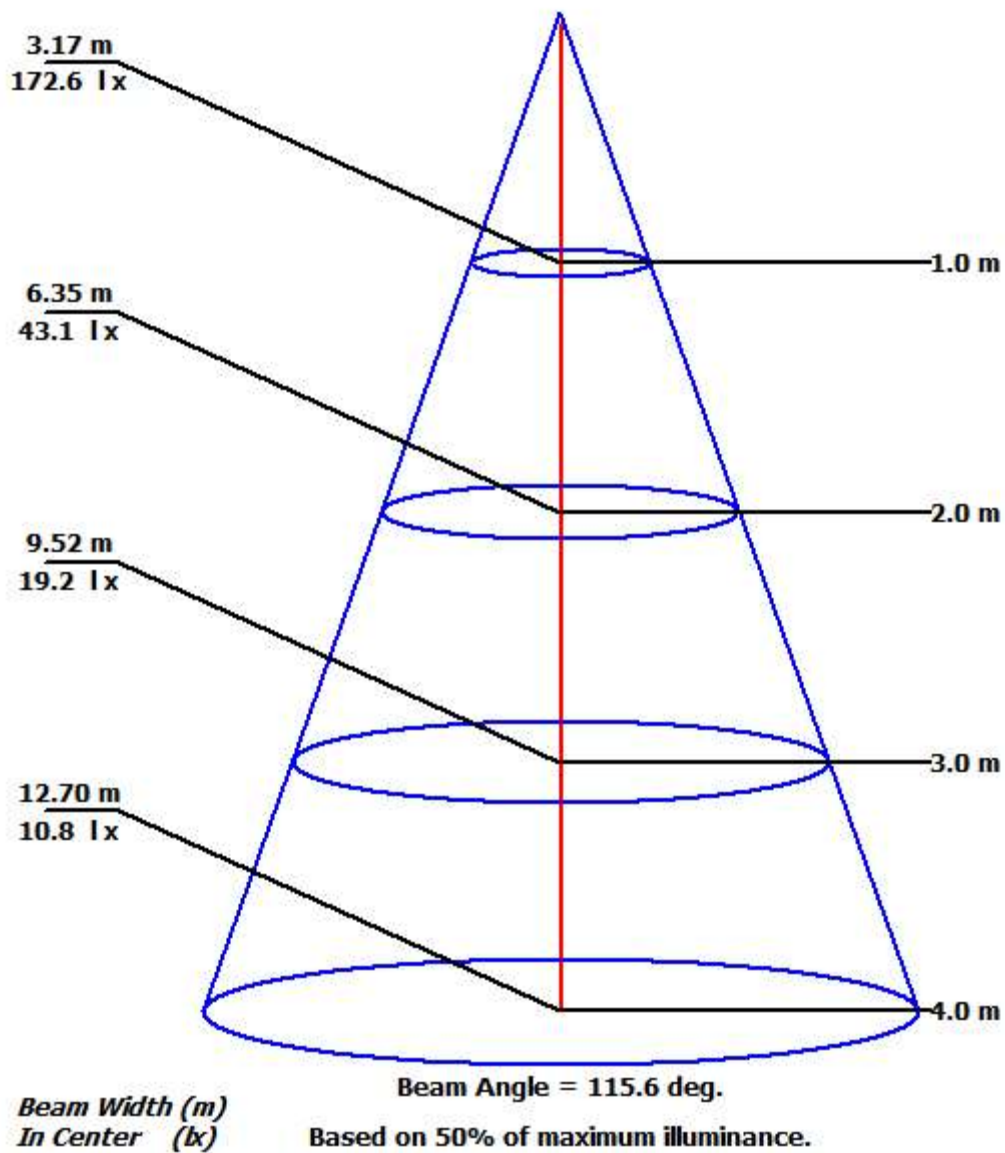
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Illuminance Cone Diagram





Luminaire

Lamp

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Lamp flux (lm)	525	Current (A)	0.302
Total flux (lm)	525	Power Factor	1

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Operator 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