

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 : 191219

2. Purpose of Report :

3. Number of Report : 191219

4. Test Standard / Item : / 191219 NDP7 27K-24V-C90 SF1906 VER 3.3e 28LM9

5. Test Period : 191219 ~ 191219

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
191219	FEELUX	#1	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4618 , 0.4076	
Correlated Color Temperature	K	2665	
Ra		92.74	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.300	
Input Watt	W	7.21	
Lamp Flux	lm	464.6	
Efficient	lm/W	64.53	
luminous Intensity (Max , Center)	cd	149 , 148	
Illuminance	lx	148	1 m
		37	2 m
		16	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) 465

Total flux (lm) 465

Report

Voltage Filename 191219 NDP7 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Current Operator 0.3

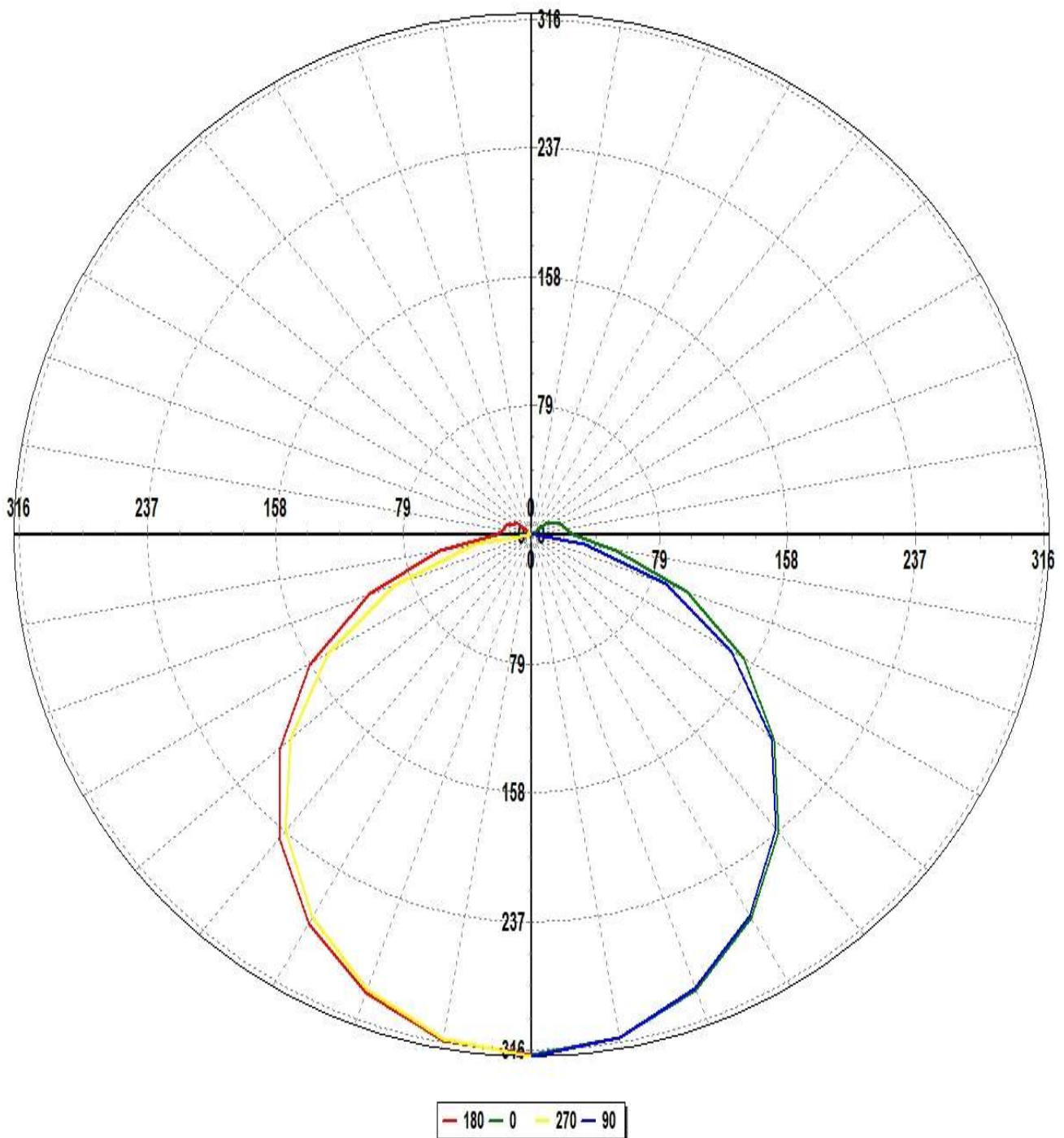
Power FDate 1

191219

CGR

2019-12-19 오후 3:32:44

Luminous Intensity Distribution



Luminaire

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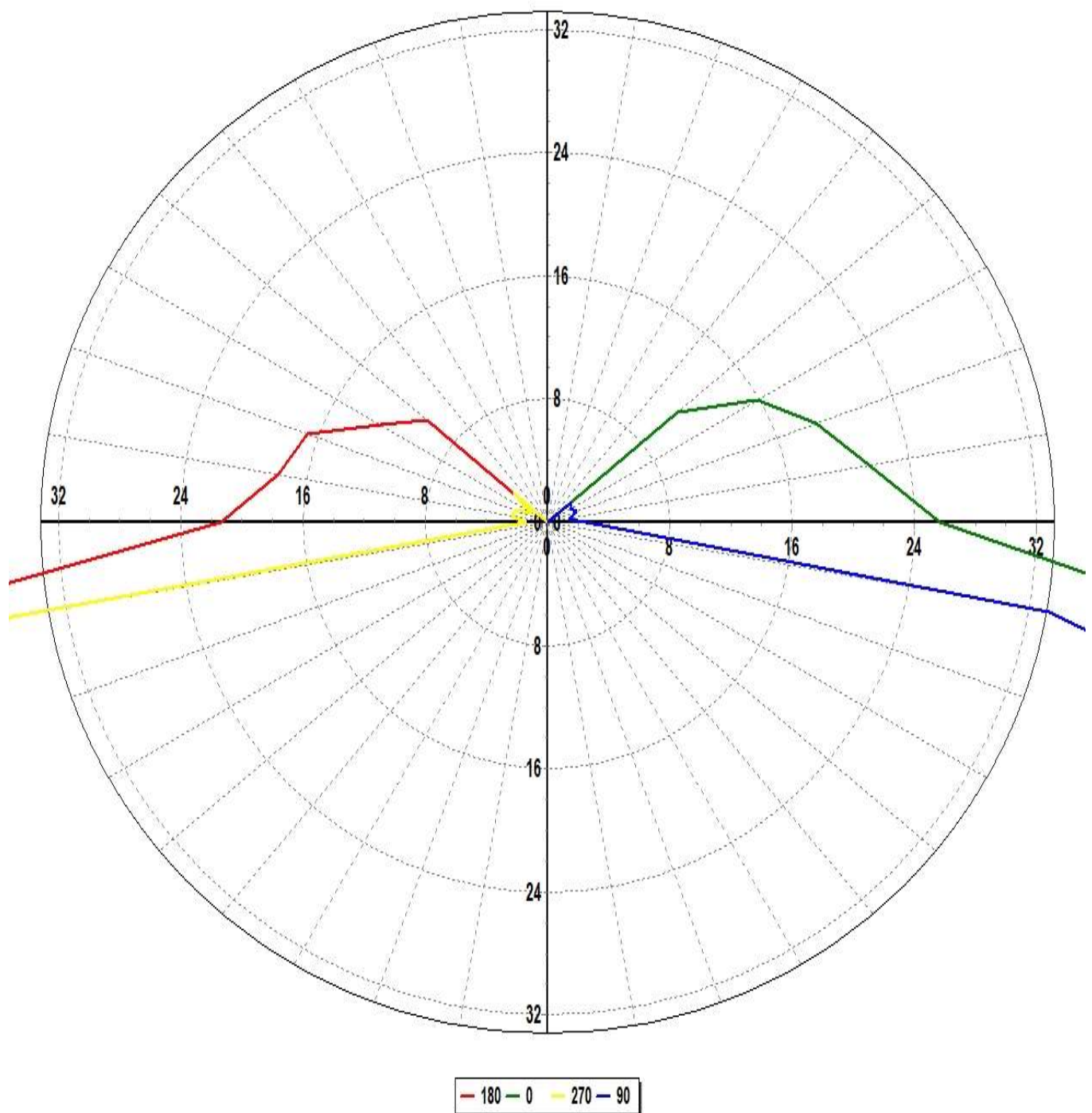
Power FDate 1

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Luminous Intensity Distribution (Lowest 10%)





Luminaire

Lamp

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Power FDate 1

2019-12-19 오후 3:32:44

Luminous Intensity Data

Maximum (cd) : 149

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	148.19	149	148.4	148.52	148.46	147.68	148.19	149	148.4	148.52	148.46
10	145.23	144.7	144.8	145.26	145.18	145.02	146.36	146.28	146.35	145.88	145.99
20	137.84	137.14	137.49	137.27	138.68	138.63	138.72	139.16	137.89	138	138.26
30	125.99	124.62	125.8	125.32	126.17	126.47	127.81	128.11	125.65	125.71	126.1
40	110.27	109.94	109.38	109.21	109.89	110.68	112.66	112.29	110.36	109.92	109.51
50	90.84	90.32	88.67	89.98	90.1	92.22	94.31	93.7	91.02	90.32	90.33
60	70.26	69.28	67.2	66.22	68.9	69.37	73.51	71.67	68.67	67.4	67.46
70	47.46	46.35	42.68	40.94	43.88	45.91	49.23	48.47	44.28	41.76	43.48
80	24.62	23.11	19.49	15.5	18.62	21.84	26.65	24.01	19.76	16.52	19.83
90	11.95	10.16	5.58	1.18	4.72	8.11	9.92	8.18	4.79	0.66	5.84
100	9.94	8.8	4.66	0.67	4.35	7.15	8.32	7.22	3.97	1.12	4.56
110	8.7	7.67	3.61	0.93	2.8	6.32	7.78	6.7	2.32	1.03	3.53
120	7.36	5.1	1.75	0.81	0.87	5.08	5.86	4.79	0.98	0.58	0.69
130	5.16	1.49	2.11	0.95	2.38	1.87	4.8	2.26	1.97	1.36	1.84



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Power FDate 1

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Luminous Intensity Data (Continued)

Maximum (cd) : 149

Minimum (cd) : 1

G/C	330	360
0	147.68	148.19
10	145.76	145.23
20	138.47	137.84
30	126.79	125.99
40	111.35	110.27
50	93.01	90.84
60	71.63	70.26
70	48.63	47.46
80	25.11	24.62
90	10.39	11.95
100	9.18	9.94
110	7.6	8.7
120	5.85	7.36
130	2.9	5.16



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Luminous Flux Table

Total Lamp Lumens: 465

Luminaire Efficiency (lm/W): 464.61

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.55	3.55	0.76	0.76
10	27.68	31.23	6.72	6.72
20	51.74	82.97	17.86	17.86
30	69.12	152.09	32.74	32.74
40	77.76	229.85	49.47	49.47
50	76.55	306.40	65.95	65.95
60	65.73	372.13	80.10	80.09
70	46.58	418.70	90.12	90.12
80	22.93	441.63	95.06	95.05
90	7.44	449.07	96.66	96.66
100	6.29	455.35	98.01	98.01
110	5.06	460.41	99.10	99.10
120	3.14	463.55	99.77	99.77
130	1.05	464.61	100.00	100.00



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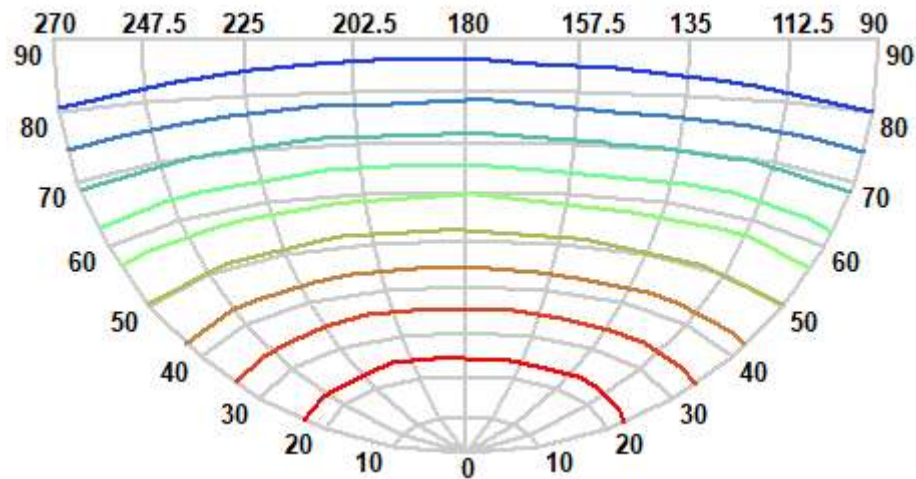
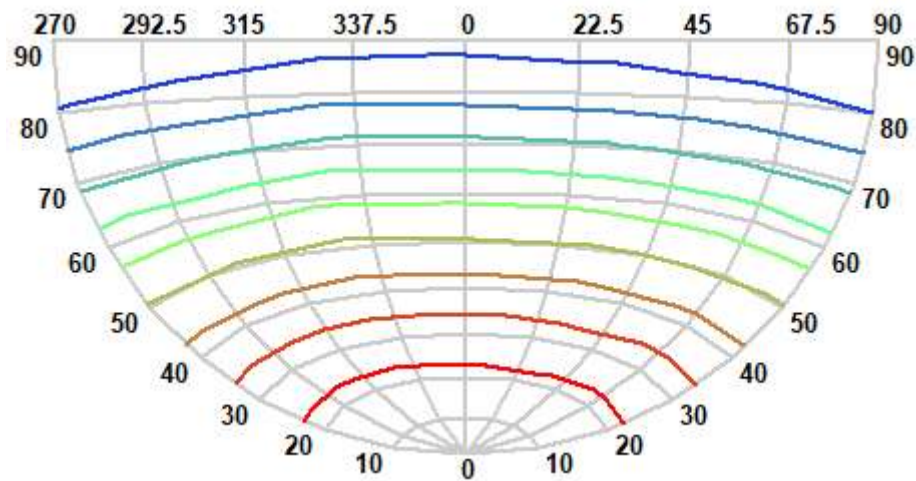
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2019-12-19 오후 3:32:44

IsoCandela (Type C)



Luminaire

Lamp

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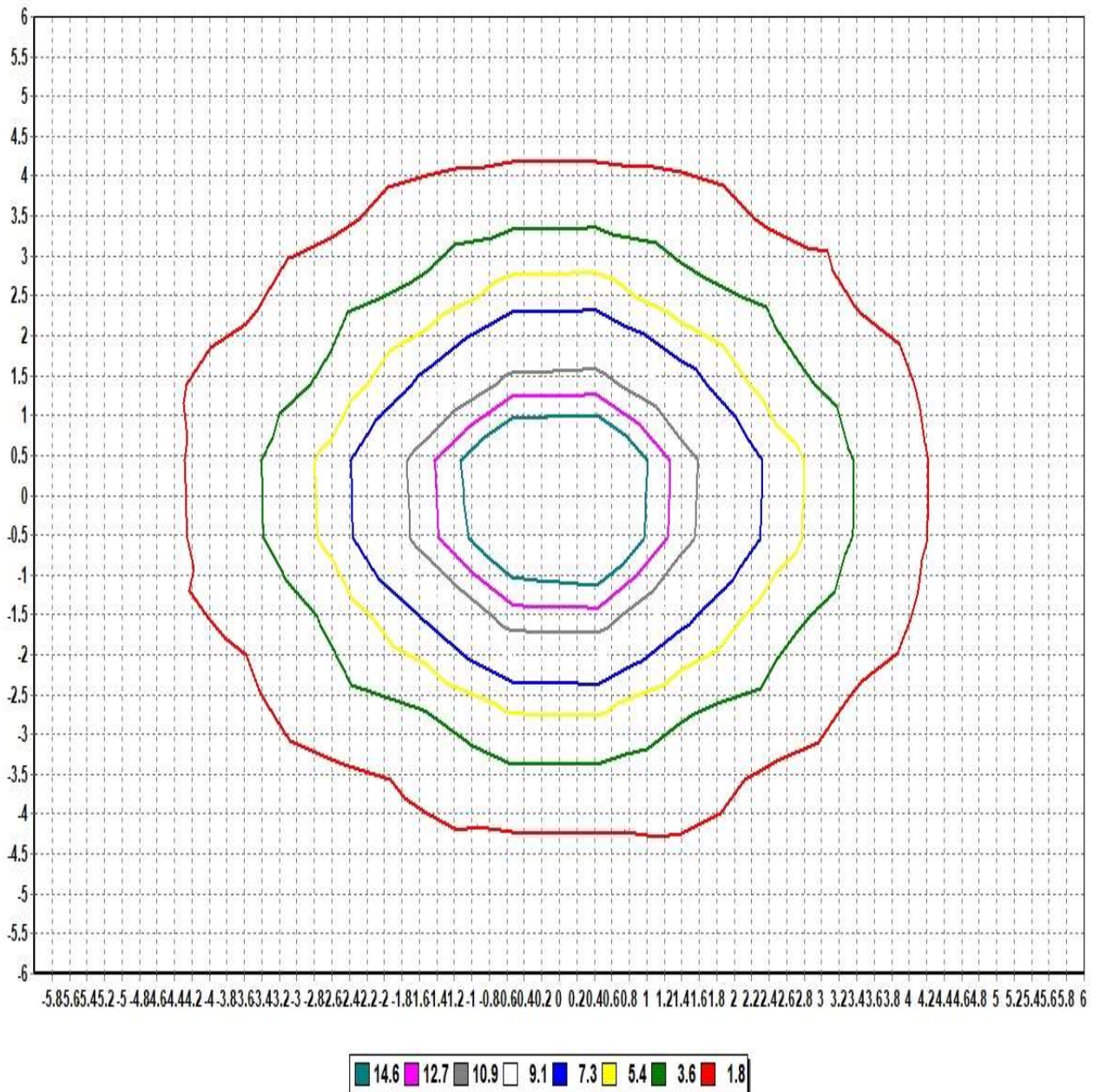
CGR

Total flux (lm) 465

Power FDate 1

2019-12-19 오후 3:32:44

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

Report

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Lamp flux (lm) 465

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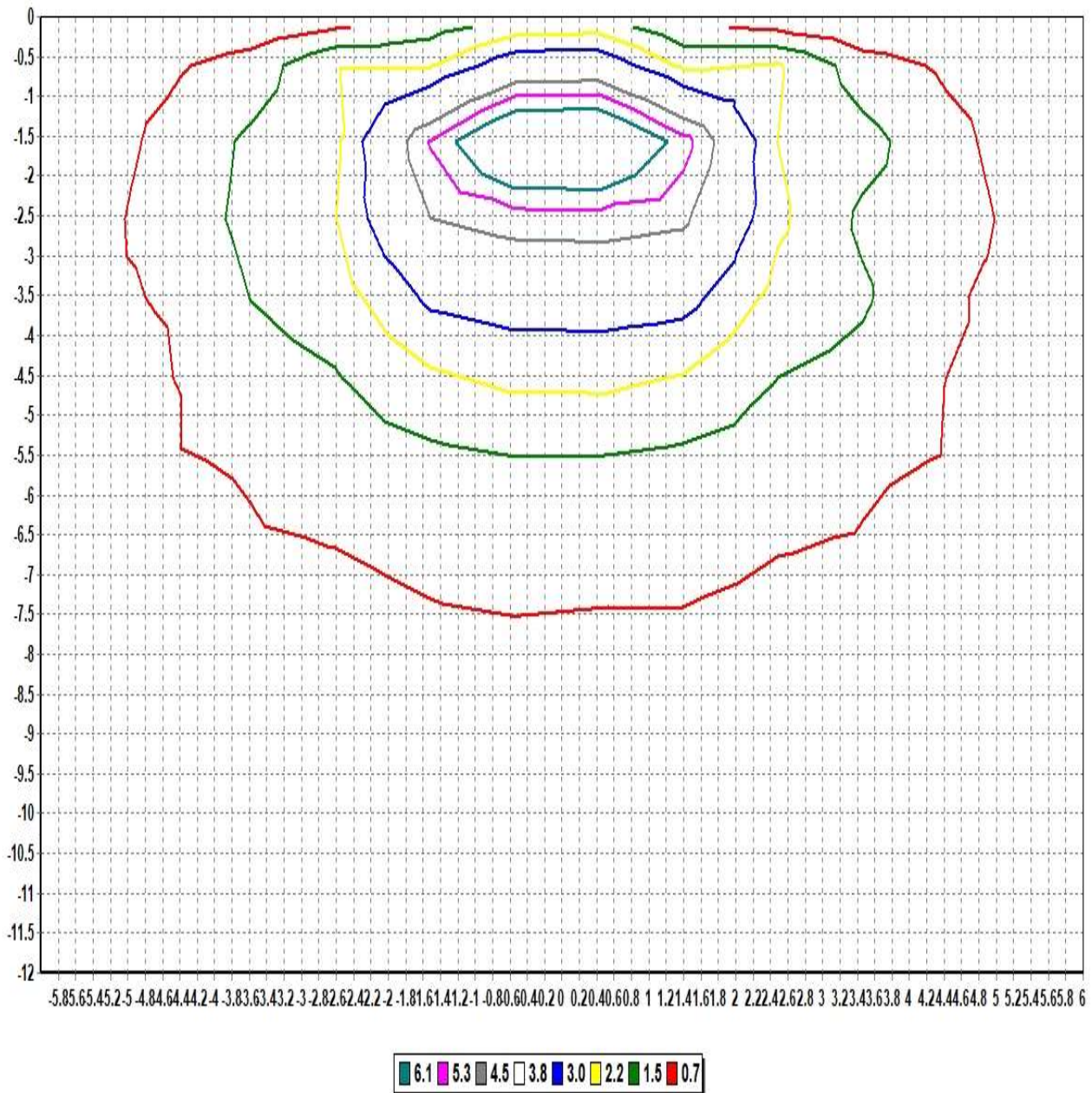
CGR

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Power FDate 1

2019-12-19 오후 3:32:44

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)	465	Current (A)	0.3
Total flux (lm)	465	Power Factor	1

Report

191219

Filename 191219 NDP7 27K-24V-C90 SF1906 VER 3.3e 28LM9.jdt

Operator

CGR

Date

2019-12-19 오후 3:32:44

Illuminance Levels (Ground)

6.00	0.24	0.31	0.25	0.35	0.42	0.48	0.49	0.47	0.43	0.36	0.26	0.31	0.25
5.00	0.32	0.28	0.39	0.54	1.02	1.19	1.27	1.19	1.02	0.56	0.41	0.30	0.32
4.00	0.28	0.42	0.88	1.27	1.34	1.67	1.82	1.67	1.35	1.26	0.89	0.43	0.29
3.00	0.35	0.58	1.30	1.55	3.05	3.42	3.85	3.41	3.04	1.59	1.29	0.60	0.36
2.00	0.43	1.03	1.35	3.09	4.39	6.92	8.17	6.92	4.41	3.07	1.36	1.03	0.45
1.00	0.53	1.25	1.77	3.45	6.93	12.26	16.40	12.22	6.93	3.44	1.75	1.23	0.52
0.00	0.56	1.34	1.97	4.02	8.39	16.53	20.33	16.40	8.24	3.89	1.89	1.29	0.54
-1.00	0.52	1.24	1.77	3.56	7.08	12.45	16.47	12.28	6.91	3.47	1.75	1.23	0.52
-2.00	0.47	1.07	1.41	3.15	4.55	7.06	8.21	6.90	4.40	3.11	1.33	1.03	0.44
-3.00	0.38	0.62	1.34	1.65	3.09	3.51	3.87	3.43	3.06	1.55	1.31	0.61	0.35
-4.00	0.30	0.45	0.93	1.29	1.40	1.70	1.84	1.70	1.33	1.27	0.88	0.43	0.29
-5.00	0.34	0.32	0.42	0.57	1.06	1.21	1.27	1.21	1.02	0.55	0.40	0.28	0.33
-6.00	0.26	0.32	0.27	0.37	0.45	0.48	0.50	0.49	0.42	0.34	0.26	0.31	0.24
-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.) : 20.3

Illum. (Min.) : 0.24

Illum. (Avg.) : 2.44

All illuminance level values are in lux.



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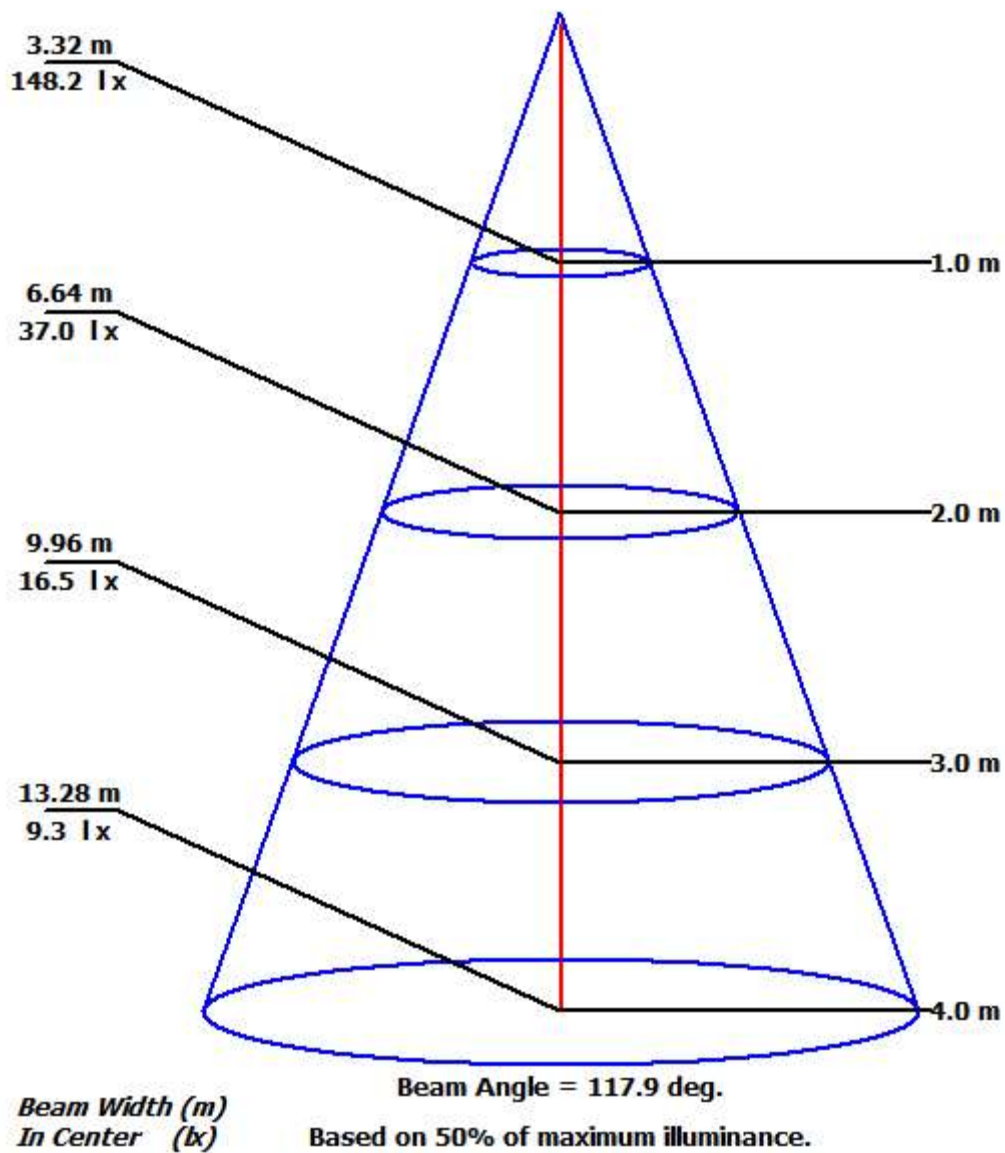
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Illuminance Cone Diagram





Luminaire

Lamp

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	465	Current (A)	0.3
Total flux (lm)	465	Power Factor	1

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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

