

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 40K-24V-C90 SF1905 VER 3.3e 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		0.3854 , 0.3761	
Correlated Color Temperature	K	3874	
Ra		94.35	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.601	
Input Watt	W	14.43	
Lamp Flux	lm	1031.9	
Efficient	lm/W	71.54	
luminous Intensity (Max , Center)	cd	335 , 334	
Illuminance	lx	334	1 m
		84	2 m
		37	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

VoltageFilename 191226 NDP15 40K-24V-C90 SF1905 VER 3.3e 28LM9.jdt

Lamp flux (lm) 1032

CurrentOperator 0.601

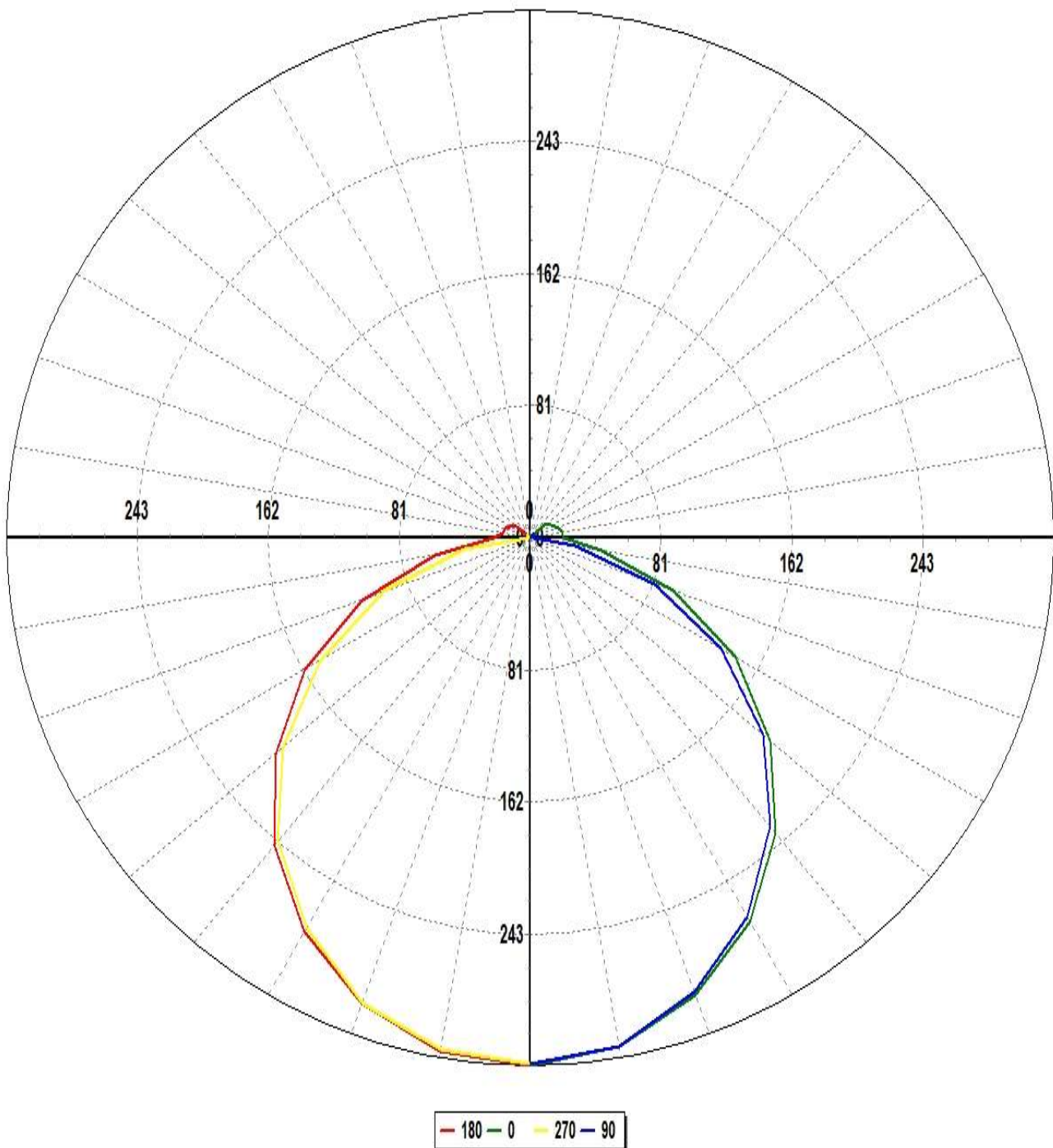
CGR

Total flux (lm) 1032

Power Date 1

2019-12-26 오후 2:54:38

Luminous Intensity Distribution



Luminaire

Lamp

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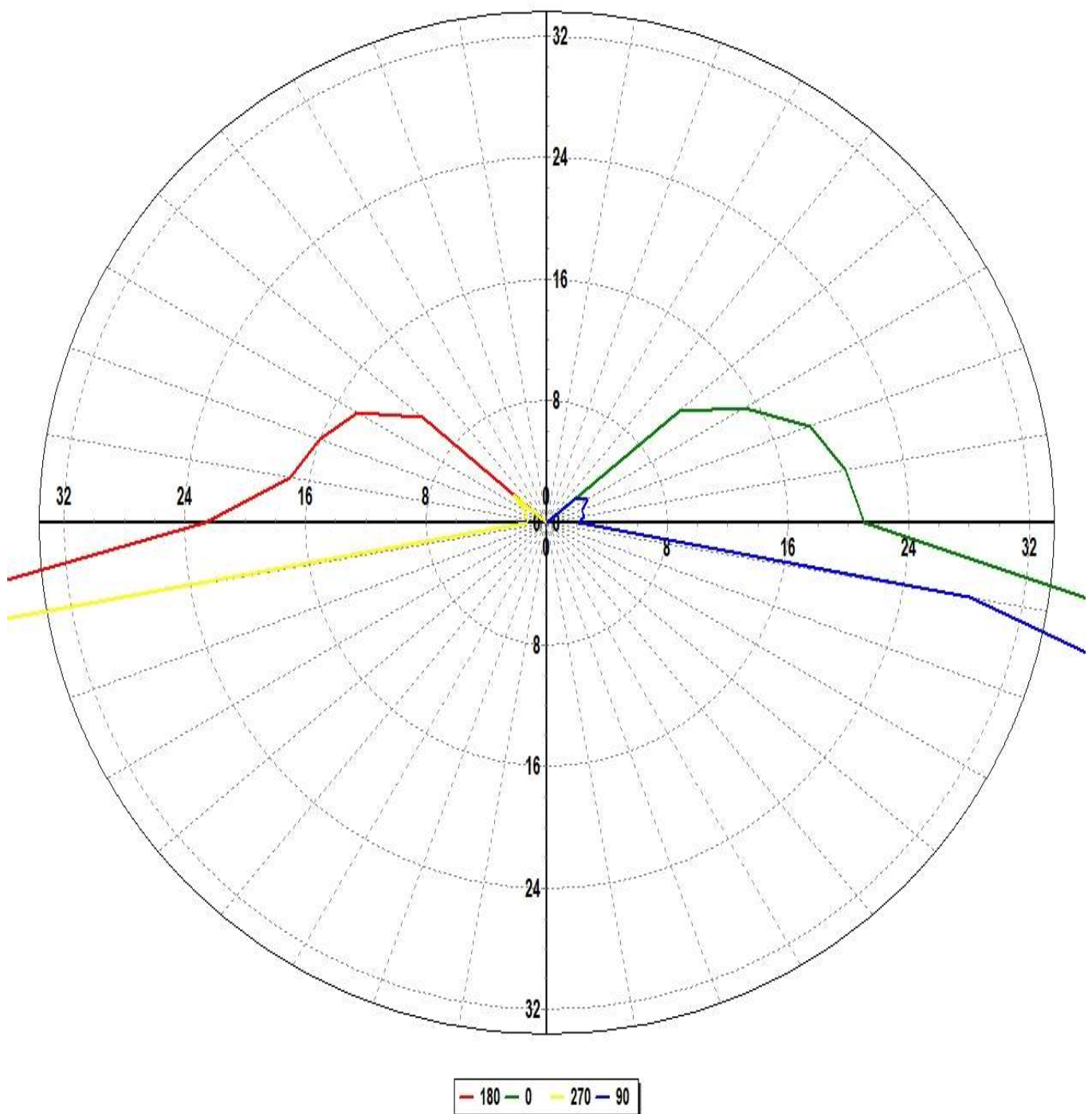
CGR

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Luminous Intensity Distribution (Lowest 10%)





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Luminous Intensity Data

Maximum (cd) : 335

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	334.35	335.12	333.51	333.53	333.75	334.14	334.35	335.12	333.51	333.53	333.75
10	326.82	327	325.91	327.42	326.85	328.13	330.06	330.05	330.65	329.51	329.95
20	308.66	307.31	307.41	306.36	309.23	309.55	314.27	314.64	313.8	313.54	312.95
30	281.11	278.41	277.99	277.44	280.13	281.38	288.34	289.12	286.61	285.78	284.94
40	244.05	240.47	239.59	238.66	243.01	245.71	254.5	255	251.7	250.52	248.24
50	200.37	196.36	195.14	194.08	199.56	202.58	212.34	213.43	207.4	205.84	205.23
60	150.93	146.65	143.93	140.31	148.05	154.46	166.17	165.3	159.26	155.09	155.42
70	97.35	92.55	87.27	84.81	93.35	101.81	114.25	113.43	104.55	98.81	99.8
80	46.48	41.5	34.58	29.36	39.18	49.35	61.79	60.44	49.35	42.26	44.54
90	21.7	19.7	10.48	2.18	8.84	16.93	23.37	18.98	10.54	1.34	10.22
100	20.74	16.81	8.83	2.61	9.74	15.17	17.8	14.81	7.98	1.31	8.88
110	19.15	15.53	7.09	2.52	6.2	14.86	16.53	13.8	7.22	1.47	8.63
120	15.57	10.58	2.08	3.22	1.72	11.17	14.95	10.15	2.36	1.77	1.65
130	11.85	3.12	5.36	2.44	4.52	2.67	11.11	9.23	5.11	3.01	5.56



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Luminous Intensity Data (Continued)

Maximum (cd) : 335

Minimum (cd) : 1

G/C	330	360
0	334.14	334.35
10	328.35	326.82
20	311.06	308.66
30	285.07	281.11
40	250.41	244.05
50	206.63	200.37
60	157.45	150.93
70	104.35	97.35
80	51.9	46.48
90	19.75	21.7
100	17.84	20.74
110	16.15	19.15
120	12.54	15.57
130	6.01	11.85



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Luminous Flux Table

Total Lamp Lumens: 1032

Luminaire Efficiency (lm/W): 1031.88

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.99	7.99	0.77	0.77
10	62.46	70.44	6.83	6.83
20	116.40	186.84	18.11	18.11
30	154.99	341.83	33.13	33.13
40	173.76	515.59	49.97	49.97
50	170.52	686.12	66.49	66.49
60	145.67	831.79	80.61	80.61
70	102.26	934.05	90.52	90.52
80	49.50	983.55	95.31	95.32
90	14.97	998.52	96.76	96.77
100	12.81	1011.33	98.01	98.01
110	11.08	1022.41	99.08	99.08
120	6.94	1029.34	99.75	99.75
130	2.54	1031.88	100.00	100.00



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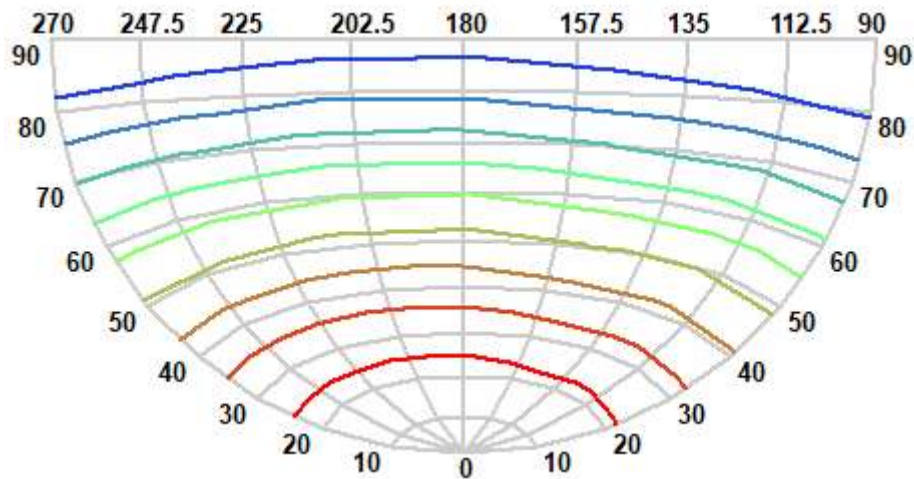
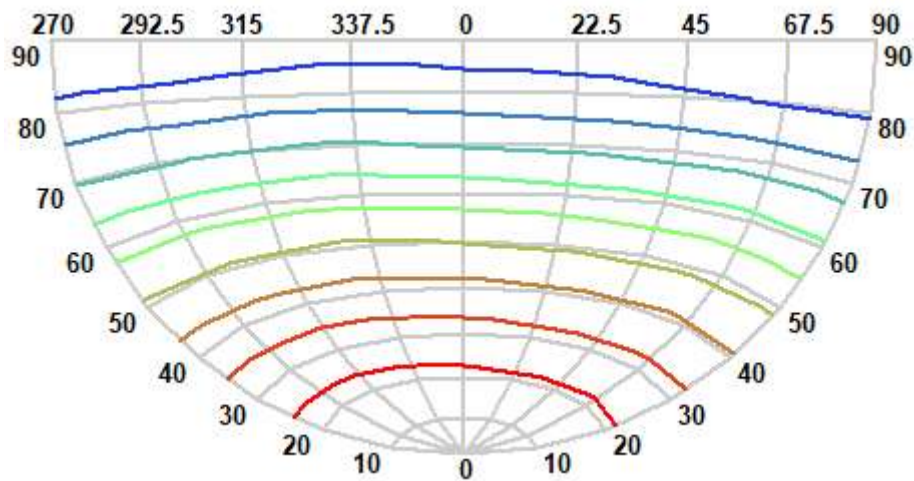
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IsoCandela (Type C)



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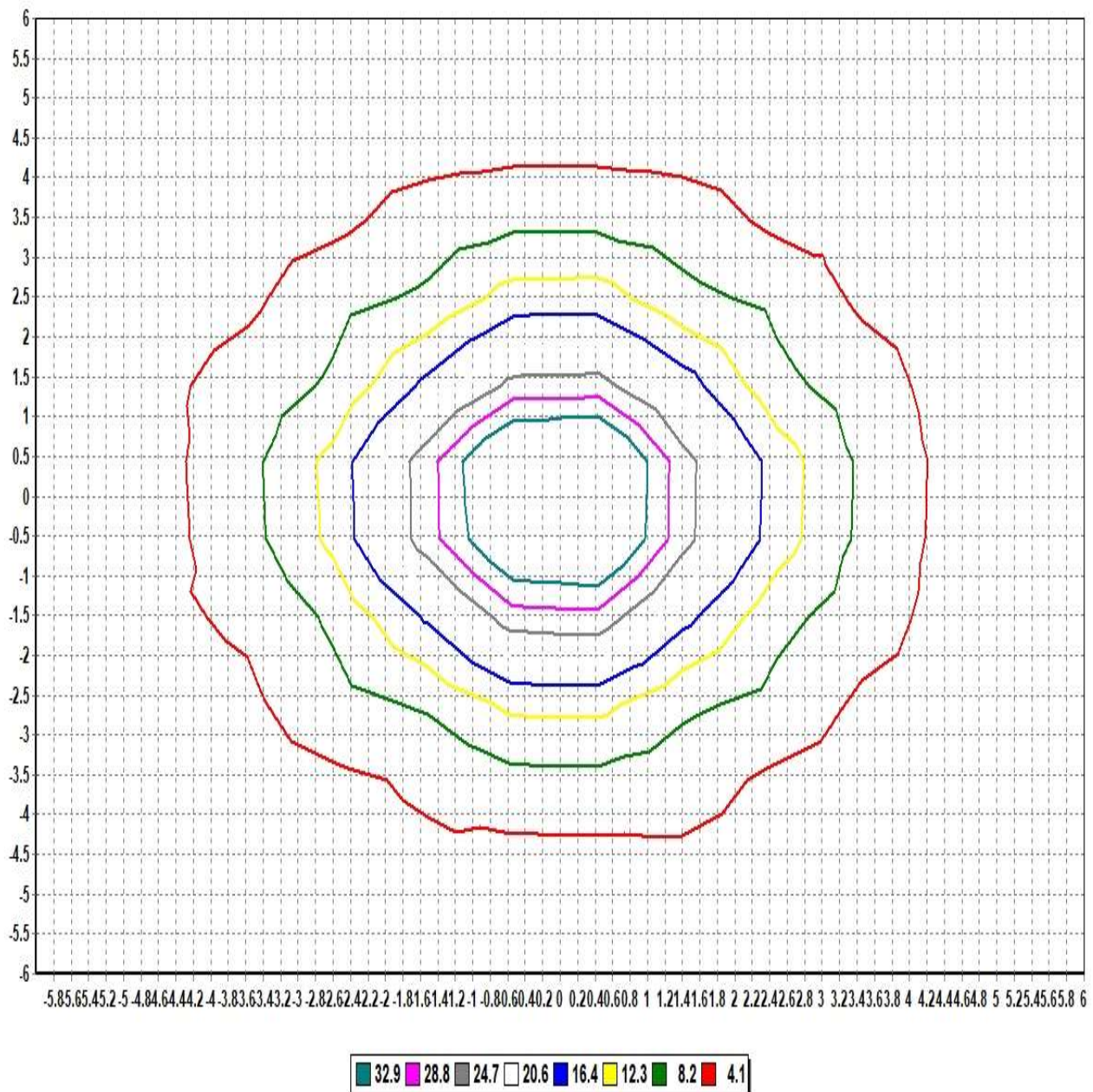
CGR

Total flux (lm) 1032

Power Date 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

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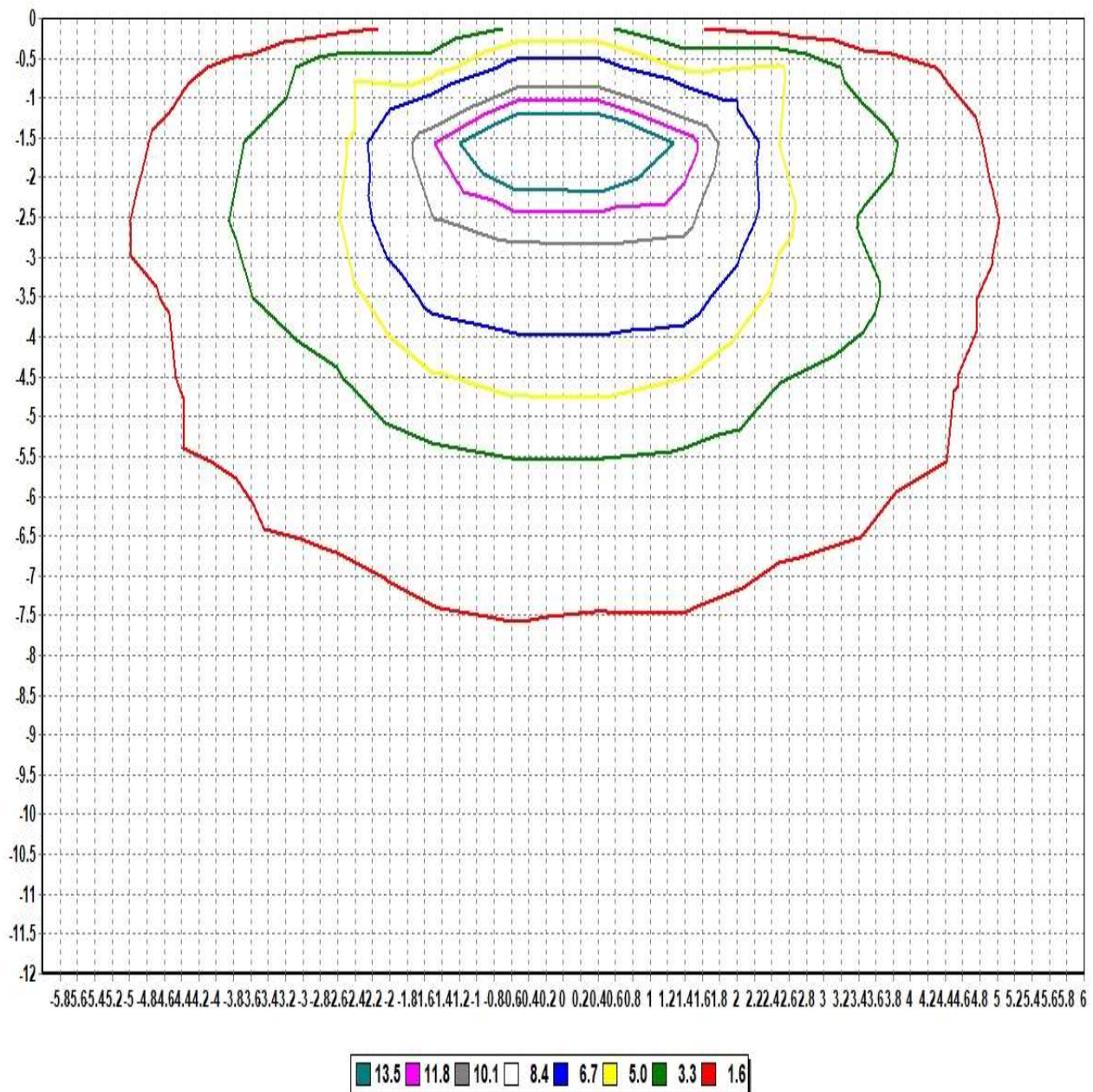
CGR

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Power 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)	1032	Current (A)	0.601
Total flux (lm)	1032	Power Factor	1

Report	191226
Filename	191226 NDP15 40K-24V-C90 SF1905 VER 3.3e 28LM9.jdt
Operator	CGR
Date	2019-12-26 오후 2:54:38

Illuminance Levels (Ground)

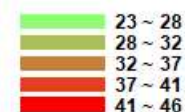
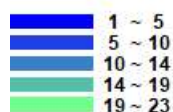
6.00	0.50	0.66	0.53	0.73	0.89	1.00	1.03	0.99	0.89	0.73	0.54	0.67	0.52
5.00	0.71	0.59	0.83	1.14	2.23	2.58	2.73	2.58	2.21	1.17	0.84	0.62	0.69
4.00	0.61	0.92	1.90	2.75	2.90	3.59	3.89	3.58	2.88	2.75	1.93	0.90	0.59
3.00	0.75	1.29	2.85	3.34	6.65	7.50	8.33	7.44	6.66	3.42	2.82	1.25	0.74
2.00	0.94	2.26	2.93	6.84	9.62	15.28	17.94	15.15	9.69	6.79	2.89	2.23	0.92
1.00	1.20	2.79	3.97	7.62	15.33	27.23	36.96	27.31	15.18	7.51	3.84	2.73	1.13
0.00	1.29	3.01	4.44	9.06	18.95	37.28	45.86	36.90	18.29	8.58	4.10	2.83	1.14
-1.00	1.16	2.76	3.95	8.08	16.06	28.11	37.22	27.84	15.66	7.81	3.83	2.70	1.10
-2.00	1.08	2.43	3.23	7.13	10.31	16.04	18.70	15.66	10.01	6.98	3.05	2.33	0.98
-3.00	0.88	1.42	3.02	3.77	7.04	8.01	8.82	7.80	6.98	3.56	2.92	1.32	0.79
-4.00	0.69	1.04	2.10	2.96	3.22	3.90	4.22	3.91	3.05	2.91	2.01	0.95	0.63
-5.00	0.77	0.74	0.99	1.34	2.42	2.75	2.91	2.76	2.33	1.28	0.93	0.65	0.73
-6.00	0.59	0.75	0.64	0.87	1.05	1.12	1.16	1.14	0.97	0.79	0.60	0.72	0.54
-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.) : 45.9

Illum. (Min.) : 0.50

Illum. (Avg.) : 5.46

All illuminance level values are in lux.



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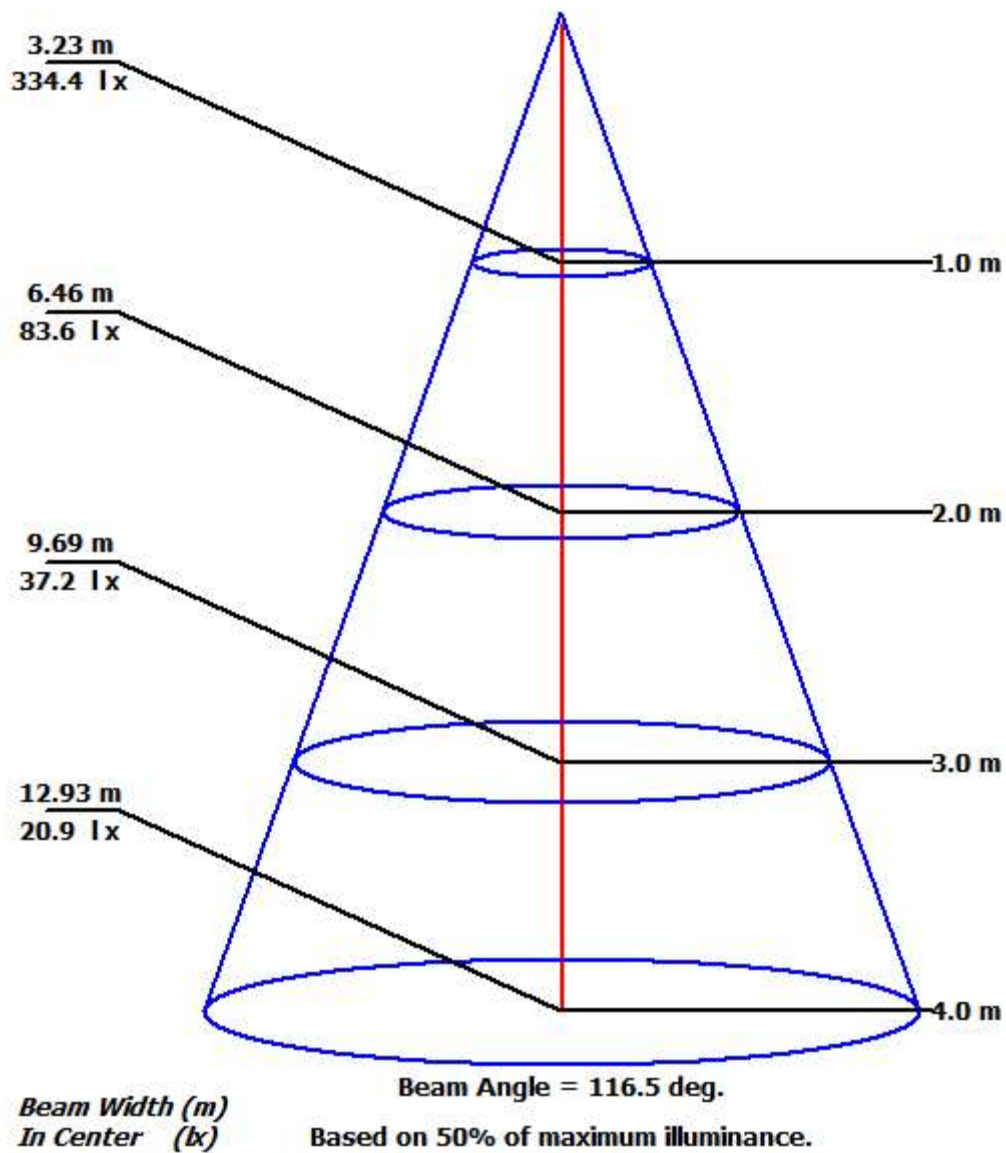
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Illuminance Cone Diagram





Luminaire

Lamp

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Lamp flux (lm)	1032	Current (A)	0.601
Total flux (lm)	1032	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