

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84
* Date of Receipt : 230512

2. Purpose of Report :

3. Number of Report : 230511

4. Test Standard / Item : / NDF15 F.F 120V 35K

5. Test Period : 230512 ~ 230512

6. Test Environment

* Ambient Temp. : 22.0 +- 3 °C
* Relative Humidity : 60.0 +- 10 % RH

7. Test Item

* Name of Product :
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	PKW	Sign	PKW	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
230511			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	23.7	
CIE 1931 Cx, Cy		0.4095 , 0.3889	
Correlated Color Temperature	K	3398	
Ra		93.98	
Power Factor		0.973	
Input Voltage	V	120.32	
Input Current	A	0.130	
Input Watt	W	15.25	
Lamp Flux	lm	1089.8	
Efficient	lm/W	71.46	
luminous Intensity (Max , Center)	cd	336 , 336	
Illuminance	lx	336	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 KH FEELUX

Lamp

No. of lamps 1

Voltage (V) 120.32

Lamp flux (lm) 1090

Current (A) 0.13026

Total flux (lm) 1090

Power Factor 0.973

Report

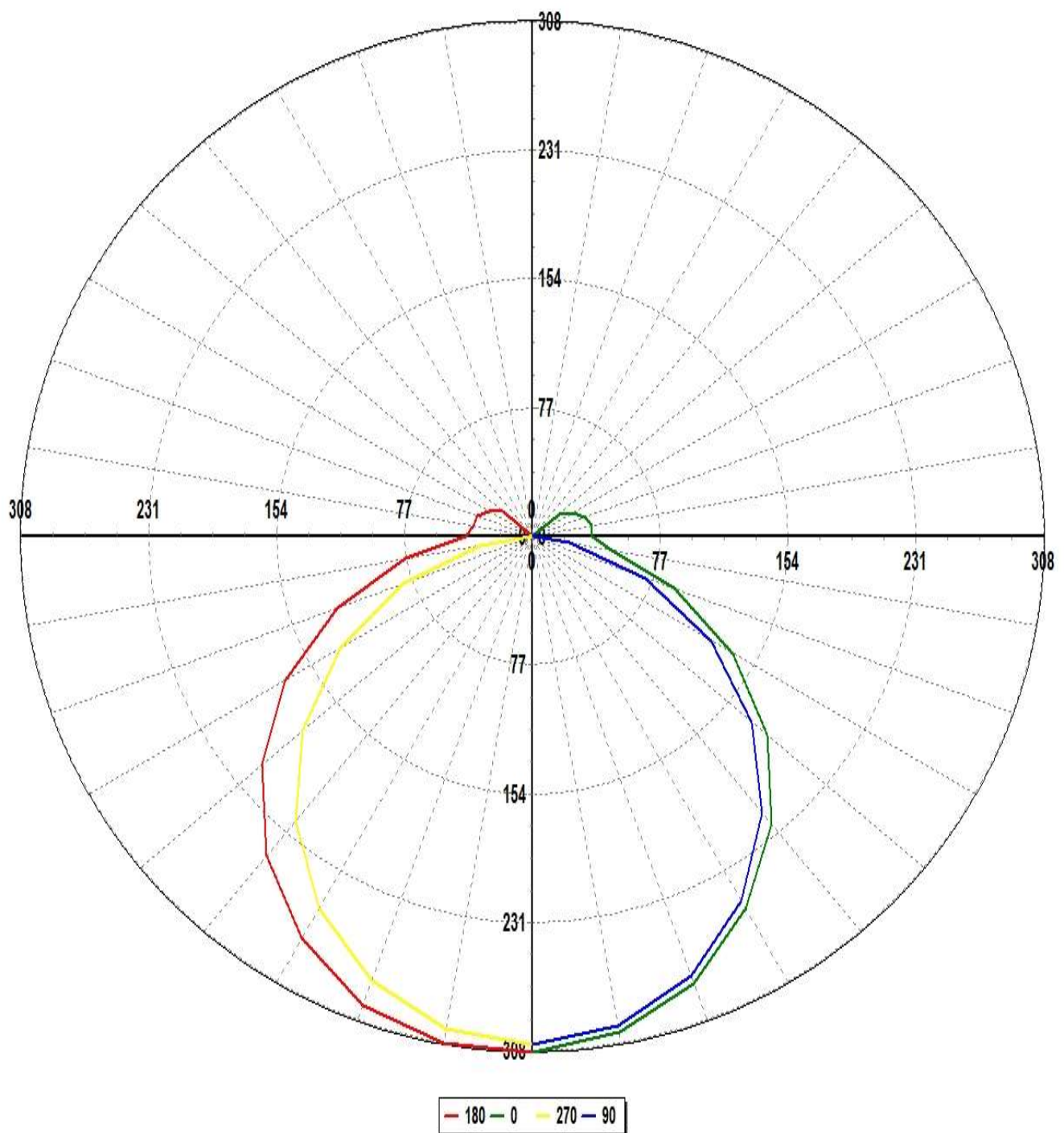
230511

Filename NDF15 F.F 120V 35K.jdt

Operator

Date 2023-05-11 오후 7:45:02

Luminous Intensity Distribution



Luminaire KH FEELUX

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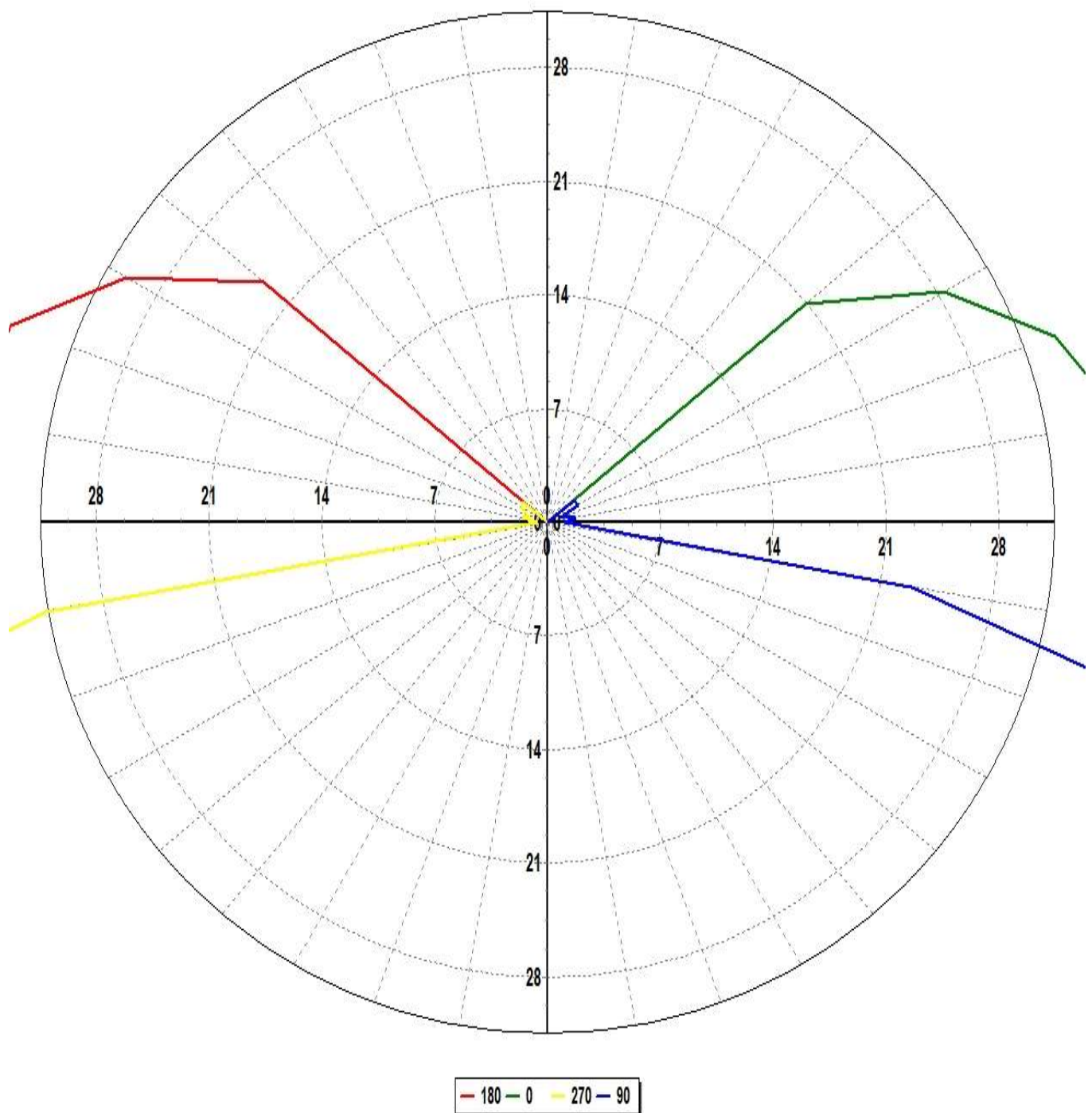
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Operator

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Luminous Intensity Distribution (Lowest 10%)



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Luminous Intensity Data

Maximum (cd) : 336

Minimum (cd) : 1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	336.47	333.78	332.85	331.66	330.1	330.31	336.47	333.78	332.85	331.66	330.1
10	328.54	325.95	324.52	324.1	325.82	326.23	335.82	333.04	330.07	325.82	323.8
20	309.81	306.49	304.87	304.61	308.24	312.09	325.07	320.34	313.51	308.36	305.96
30	280.61	277.27	274.92	274.46	281.36	288.07	302.89	298.18	287.38	280.31	276.75
40	244.26	239.97	236.35	235.14	245.2	255.65	272.14	266.11	252.98	241.99	239.45
50	201.57	195.75	191.54	188.47	203.18	215.6	232.16	226.44	210.5	197.37	195.86
60	152.13	146.64	140.26	135.9	153.49	170.03	187.69	181.14	162.18	145.57	146.26
70	99.27	93.18	85.8	79.13	100.66	118.66	136.72	129.29	108.77	90.16	92.43
80	53	46.83	35.25	25.01	47.92	67.56	84.55	77.2	55.24	34.46	41.2
90	38.98	33.41	16.75	1.17	17.48	32.97	43.96	35.19	16.57	0.72	17.35
100	39.62	32.65	17.21	1.94	17.76	32.16	39.16	32.48	17.18	1.71	17.34
110	36.55	30.88	11.7	0.9	11.91	31.81	38.64	33.01	17.17	1.35	16.72
120	30.92	22.35	1.83	2.37	1.66	23.19	32.91	25.53	1.3	2.1	1.84
130	22.82	10.36	7.99	2.33	8.99	11.64	25.07	15.95	8.89	2.16	6.92

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Operator

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Luminous Intensity Data (Continued)

Maximum (cd) : 336

Minimum (cd) : 1

G/C	330	360
0	330.31	336.47
10	322.76	328.54
20	304.85	309.81
30	277.37	280.61
40	242.63	244.26
50	200.06	201.57
60	152.42	152.13
70	100.83	99.27
80	52.28	53
90	32.43	38.98
100	32.6	39.62
110	31.04	36.55
120	21.77	30.92
130	14.83	22.82

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Luminous Flux Table

Total Lamp Lumens: 1089.8

Luminaire Efficiency (lm/W): 71.46

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	7.95	7.95	0.73	0.73
10	62.23	70.18	6.44	6.44
20	116.25	186.43	17.11	17.11
30	155.14	341.57	31.34	31.34
40	174.35	515.92	47.34	47.34
50	171.89	687.81	63.11	63.11
60	148.10	835.91	76.70	76.70
70	105.91	941.82	86.42	86.42
80	55.77	997.60	91.54	91.54
90	26.19	1023.79	93.94	93.94
100	25.33	1049.12	96.27	96.27
110	22.44	1071.56	98.33	98.32
120	13.26	1084.82	99.54	99.54
130	5.00	1089.82	100.00	100.00

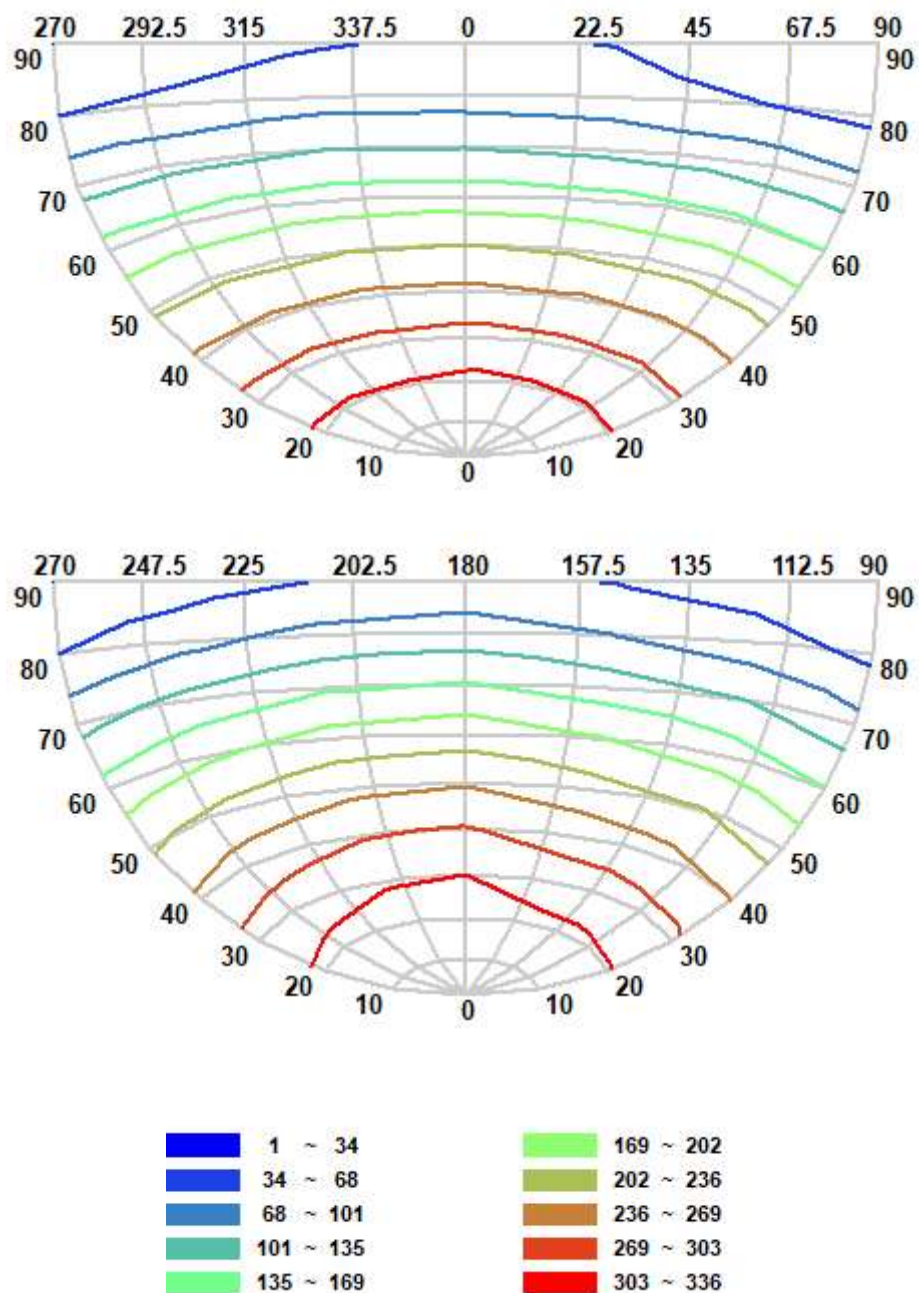
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IsoCandela (Type C)



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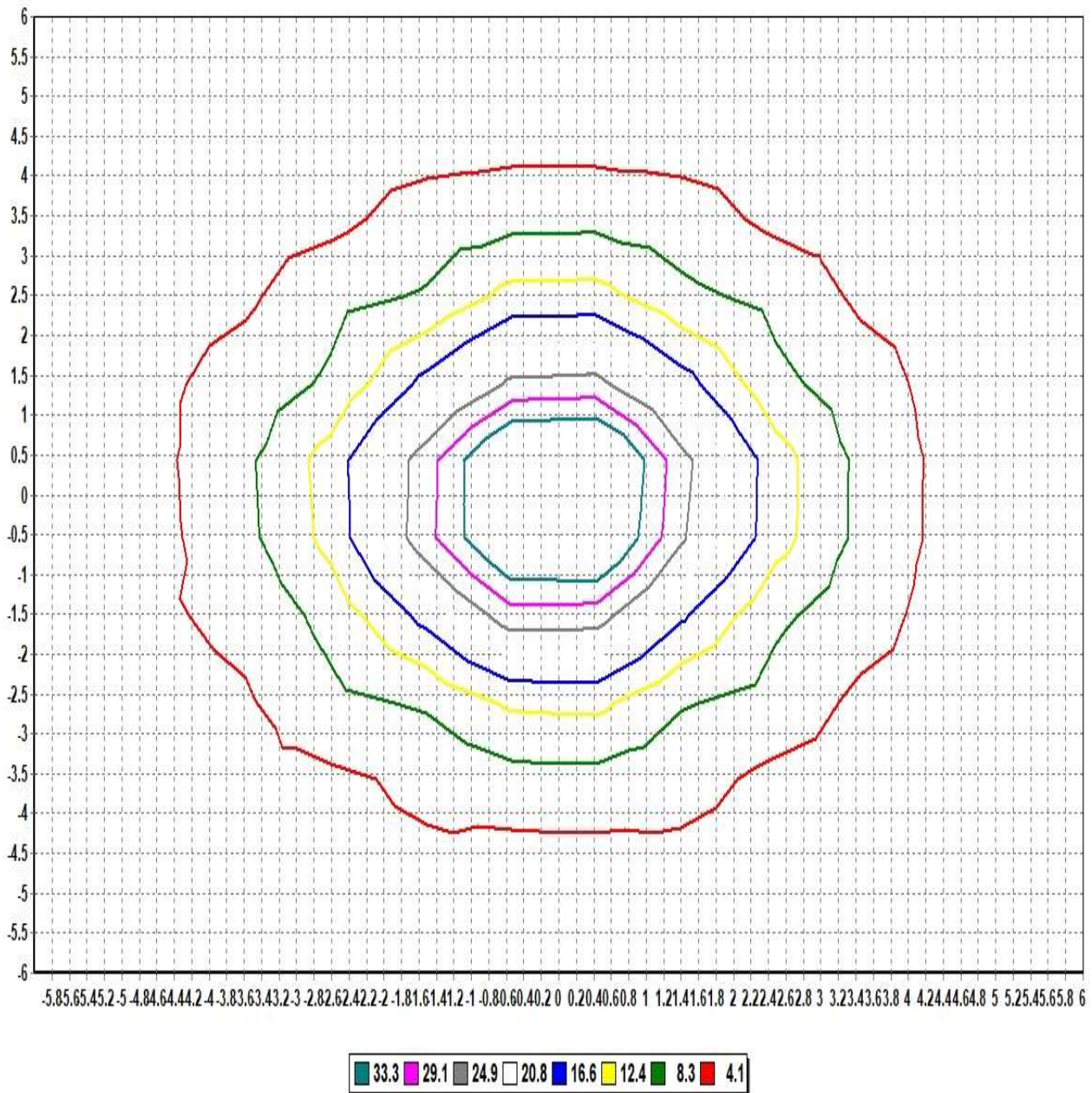
Operator

Total flux (lm) 1090

Power Factor 0.973

Date 2023-05-11 오후 7:45:02

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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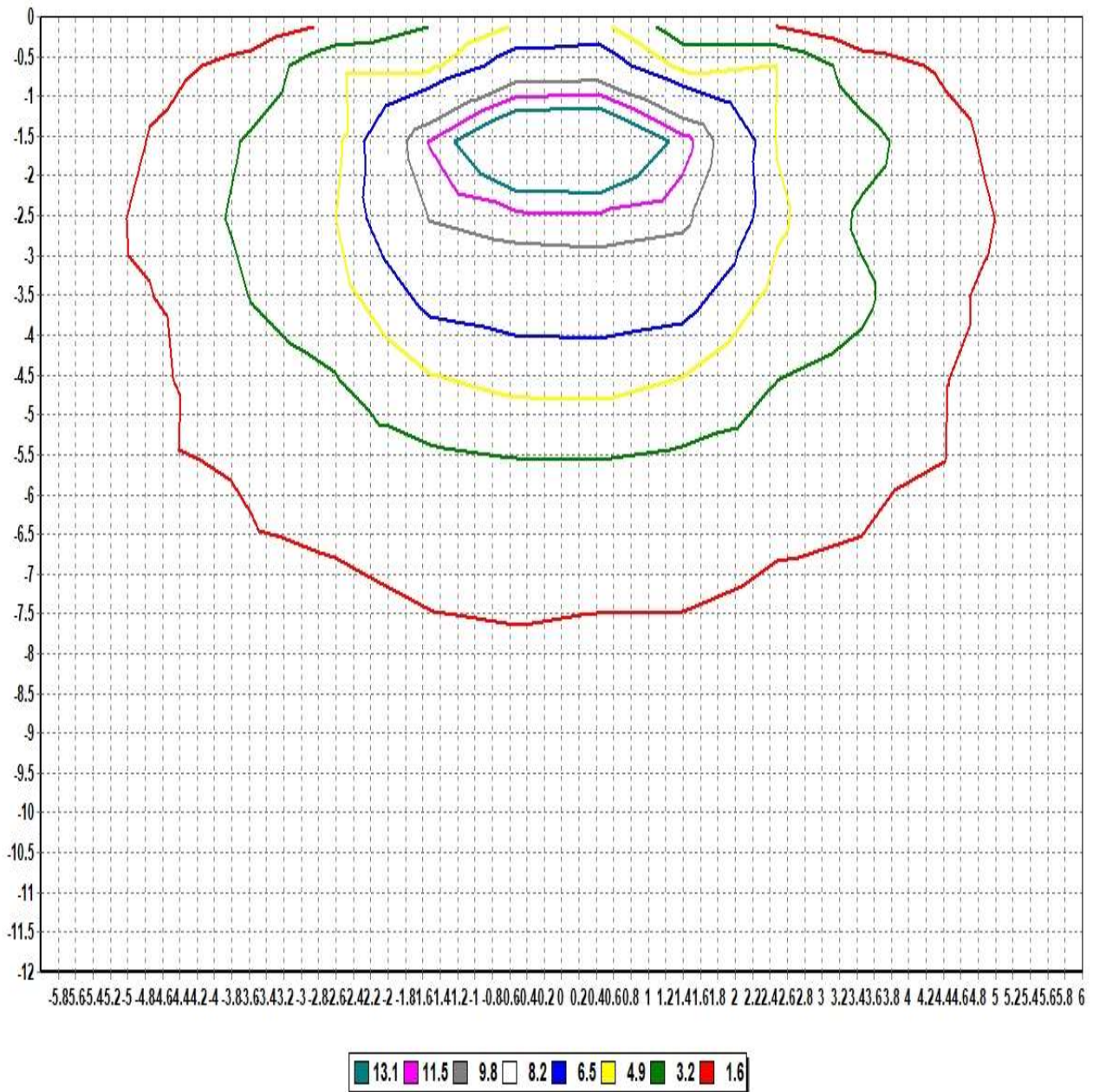
Operator

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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

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Illuminance Levels (Ground)

6.00	0.50	0.65	0.50	0.77	0.91	0.97	0.98	0.95	0.89	0.73	0.53	0.66	0.52
5.00	0.76	0.59	0.81	1.09	2.25	2.52	2.65	2.51	2.20	1.14	0.83	0.63	0.70
4.00	0.70	1.03	1.90	2.70	2.98	3.49	3.77	3.49	2.87	2.71	1.94	0.91	0.60
3.00	0.81	1.46	3.02	3.34	6.55	7.50	8.12	7.37	6.58	3.43	2.83	1.27	0.74
2.00	1.03	2.35	3.05	7.14	9.58	15.38	17.71	15.10	9.69	6.80	2.89	2.23	0.93
1.00	1.38	3.04	4.37	7.89	15.52	27.14	36.59	27.25	15.16	7.52	3.79	2.68	1.11
0.00	1.50	3.31	4.94	9.86	20.13	37.95	46.15	37.10	18.28	8.63	4.13	2.85	1.15
-1.00	1.32	2.99	4.35	8.66	16.79	29.16	36.79	27.20	15.11	7.50	3.79	2.68	1.10
-2.00	1.23	2.63	3.54	7.64	11.02	16.66	18.17	15.11	9.61	6.76	2.89	2.23	0.93
-3.00	1.00	1.64	3.29	4.15	7.13	8.35	8.47	7.46	6.72	3.36	2.81	1.28	0.74
-4.00	0.82	1.20	2.29	3.04	3.49	3.82	4.00	3.85	2.87	2.78	1.91	0.91	0.61
-5.00	0.86	0.86	1.04	1.38	2.55	2.70	2.78	2.74	2.21	1.19	0.86	0.60	0.70
-6.00	0.66	0.78	0.67	0.98	1.14	1.08	1.08	1.14	0.90	0.73	0.55	0.67	0.51
-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.) : 46.155

Illum. (Min.) : 0.5012

Illum. (Avg.) : 5.4960

All illuminance level values are in lux.



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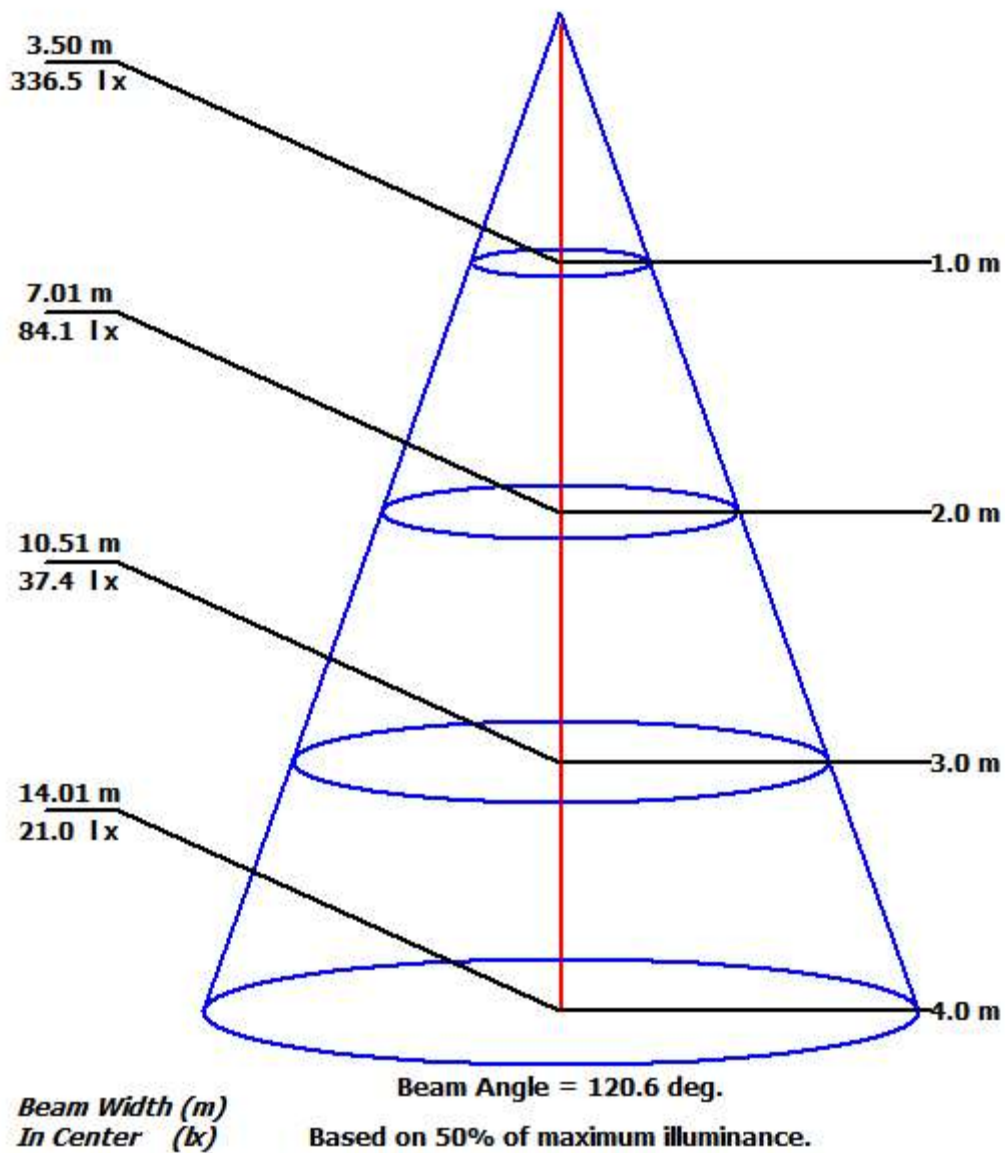
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Illuminance Cone Diagram



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Total flux (lm) 1090 Power Factor 0.973

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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