

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84
* Date of Receipt : 230511

2. Purpose of Report :

3. Number of Report : 230510

4. Test Standard / Item : / DVP POLE 30K 45도

5. Test Period : 230511 ~ 230511

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
230510			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4415 , 0.4105	
Correlated Color Temperature	K	2976	
Ra		92.73	
Power Factor		1.000	
Input Voltage	V	23.980	
Input Current	A	0.110	
Input Watt	W	2.632	
Lamp Flux	lm	228	
Efficient	lm/W	86.62	
luminous Intensity (Max , Center)	cd	509 , 509	
Illuminance	lx	509	1 m
		127	2 m
		57	3 m

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

* Sample photo

Click to load image

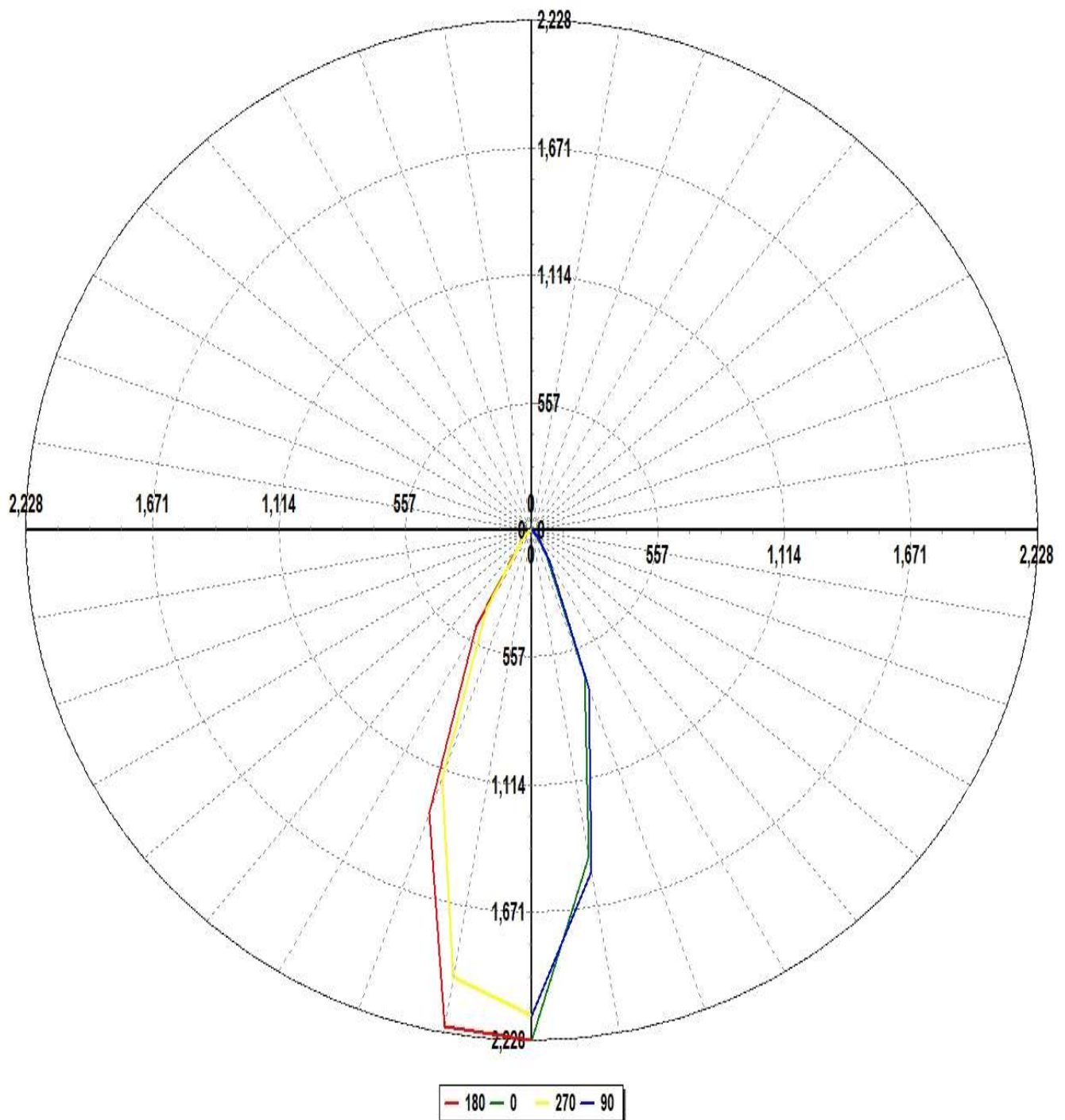
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.98
Lamp flux (lm)	228	Current (A)	0.10976
Total flux (lm)	228	Power Factor	1

Report	230510
Filename	DVP POLE 30K 45도.jdt
Operator	
Date	2023-05-10 오후 12:15:14

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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Current (A) 0.10976

Total flux (lm) 228

Power Factor 1

Report

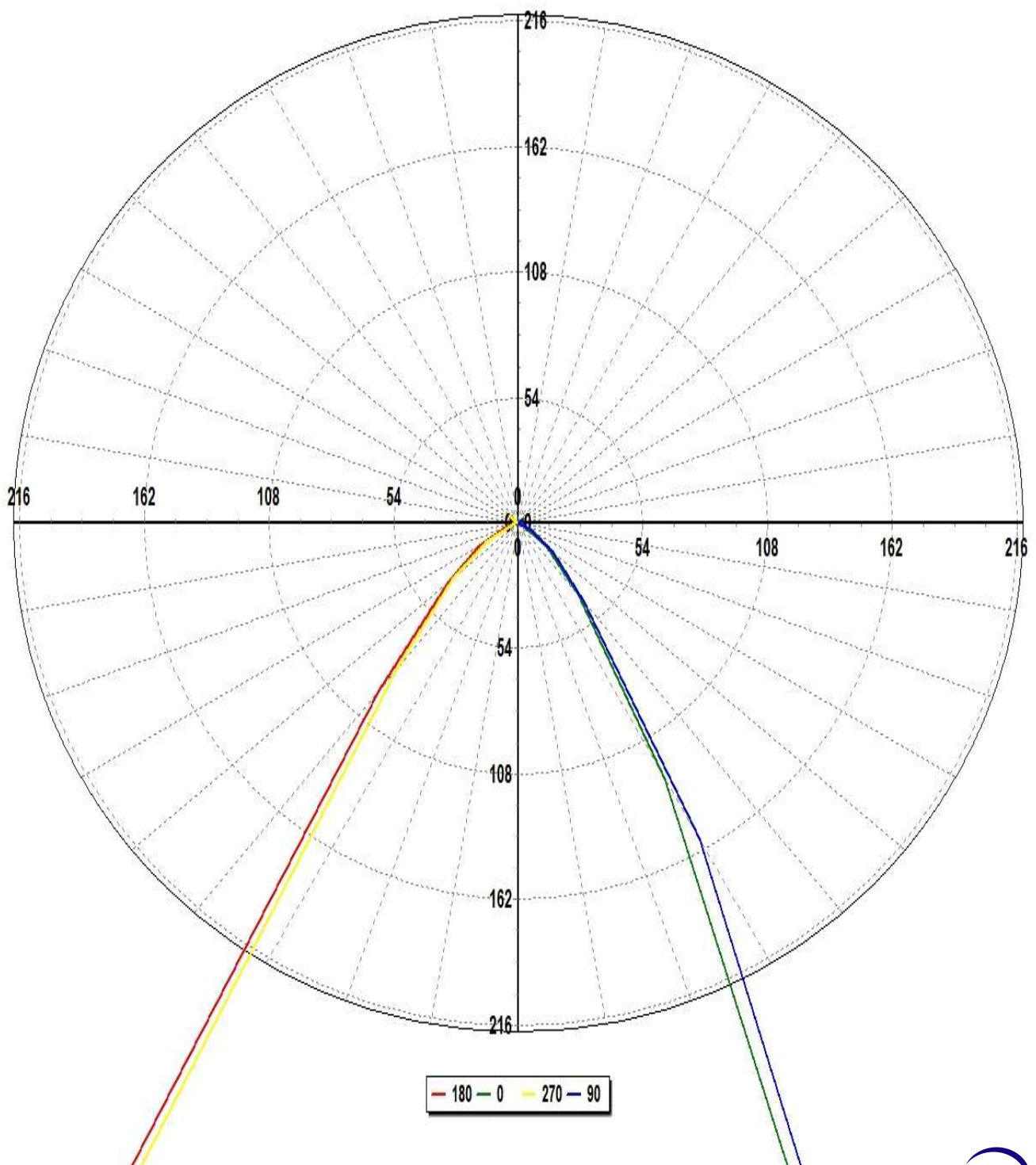
230510

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Operator

Date 2023-05-10 오후 12:15:14

Luminous Intensity Distribution (Lowest 10%)



Total Optical Solution Provider

Luminaire KH FEELUX

Lamp

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Operator

Total flux (lm) 228

Power Factor 1

Date 2023-05-10 오후 12:15:14

Luminous Intensity Data

Maximum (cd) : 509

Minimum (cd) : -1

G/C	0	30	60	90	120	150	180	210	240	270	300
0	508.77	503.57	485.75	483.64	485.27	492.6	508.77	503.57	485.75	483.64	485.27
10	330.14	324.55	322.77	346.03	388.14	430.54	502.99	508.41	494.1	452.74	396.52
20	154.81	147.39	155.33	167.54	202.79	233.52	300.33	315.03	297.35	263.68	218.5
30	28.92	27.32	31.79	35.82	50.58	70.08	110.74	122.94	108.39	90.3	67.37
40	9.17	9.21	9.54	10.04	12.65	20.24	21.48	26.1	26.27	18.56	16.55
50	3.6	2.91	4.65	4.54	4.93	7.1	9.1	10.16	11.93	8.44	6.33
60	0.85	1.13	1.09	1.32	1.64	2.98	4.45	2.8	4.67	3.55	2.29
70	-0.13	0.49	0.45	-0.01	-0.39	0.82	1.37	1.62	1.63	0.77	1.03
80	-0.25	0.22	-0.19	-0.28	-0.58	0.27	0.55	0.2	-0.91	0.32	-0.01
90	0.07	0.25	0.12	0.04	-0.14	-0.22	0.03	0.18	-0.03	-0.08	-0.24
100	0.33	0.76	-0.75	-0.02	-0.47	-0.09	0.52	-0.32	0.23	0.21	-0.15
110	0.42	0.23	0.52	-0.15	-0.18	0.08	-0.6	-0.02	0.23	0.45	0.47
120	0.37	-0.41	-0.17	-0.05	0.67	0.71	0.43	0.25	0.41	0.27	-1.13
130	0.62	1.03	0.43	0.51	0.6	1.36	0.78	0.48	0.72	1.24	0.23

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Total flux (lm) 228

Power Factor 1

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Luminous Intensity Data (Continued)

Maximum (cd) : 509

Minimum (cd) : -1

G/C	330	360
0	492.6	508.77
10	356.17	330.14
20	190.33	154.81
30	53.28	28.92
40	11.95	9.17
50	4.33	3.6
60	1.68	0.85
70	0.53	-0.13
80	0.25	-0.25
90	0.11	0.07
100	0.88	0.33
110	-0.24	0.42
120	0.7	0.37
130	0.34	0.62

Luminaire KH FEELUX

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Luminous Flux Table

Total Lamp Lumens: 228.02

Luminaire Efficiency (lm/W): 86.63

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	11.79	11.79	5.17	5.17
10	76.92	88.71	38.91	38.90
20	82.62	171.33	75.14	75.14
30	36.39	207.72	91.11	91.10
40	11.25	218.97	96.04	96.03
50	5.46	224.43	98.43	98.42
60	2.25	226.67	99.42	99.41
70	0.70	227.38	99.73	99.72
80	-0.04	227.34	99.71	99.70
90	0.01	227.35	99.71	99.70
100	0.10	227.45	99.76	99.75
110	0.10	227.55	99.80	99.80
120	0.16	227.72	99.88	99.87
130	0.30	228.02	100.01	100.00

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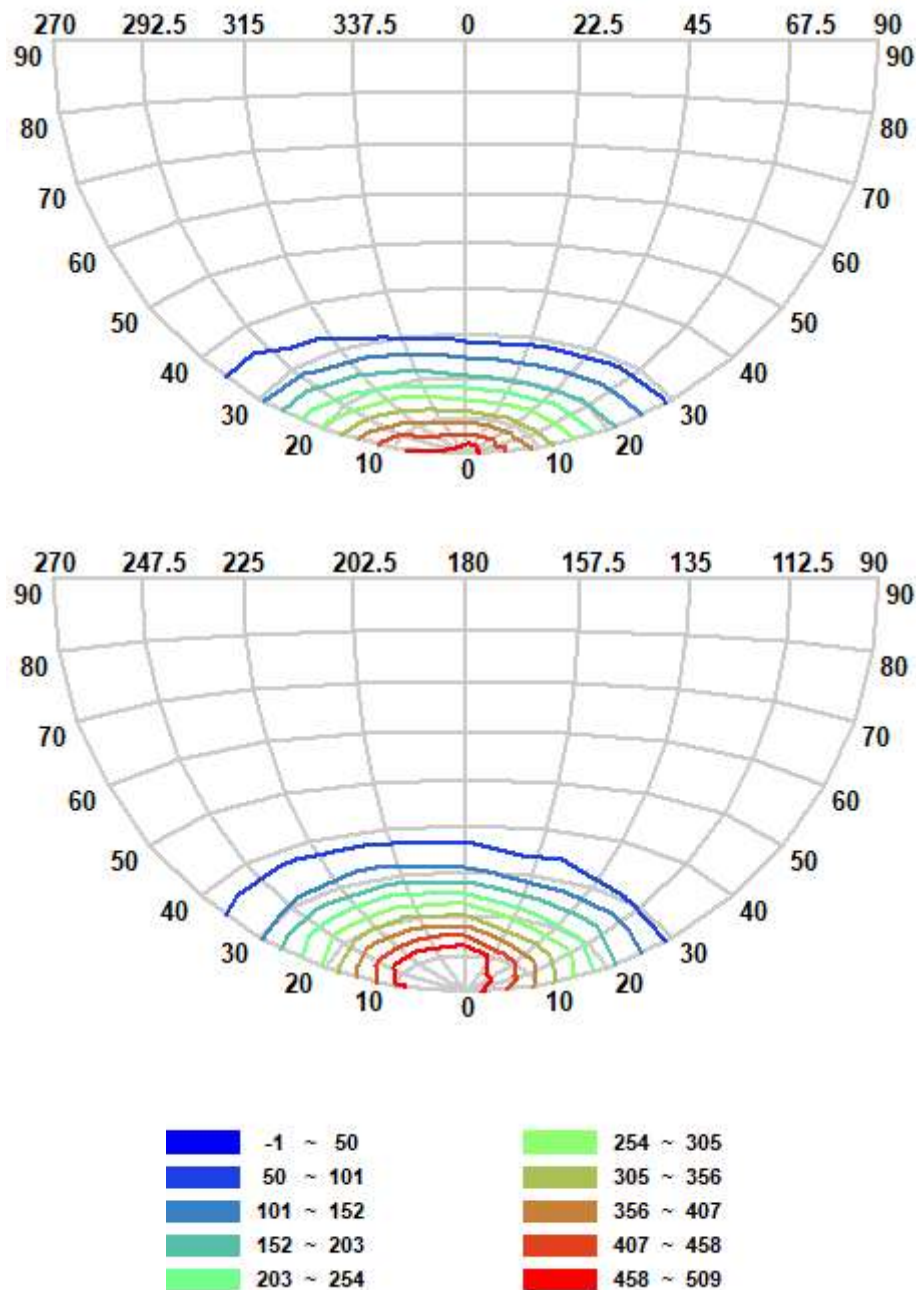
Operator

Total flux (lm) 228

Power Factor 1

Date 2023-05-10 오후 12:15:14

IsoCandela (Type C)



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Current (A) 0.10976

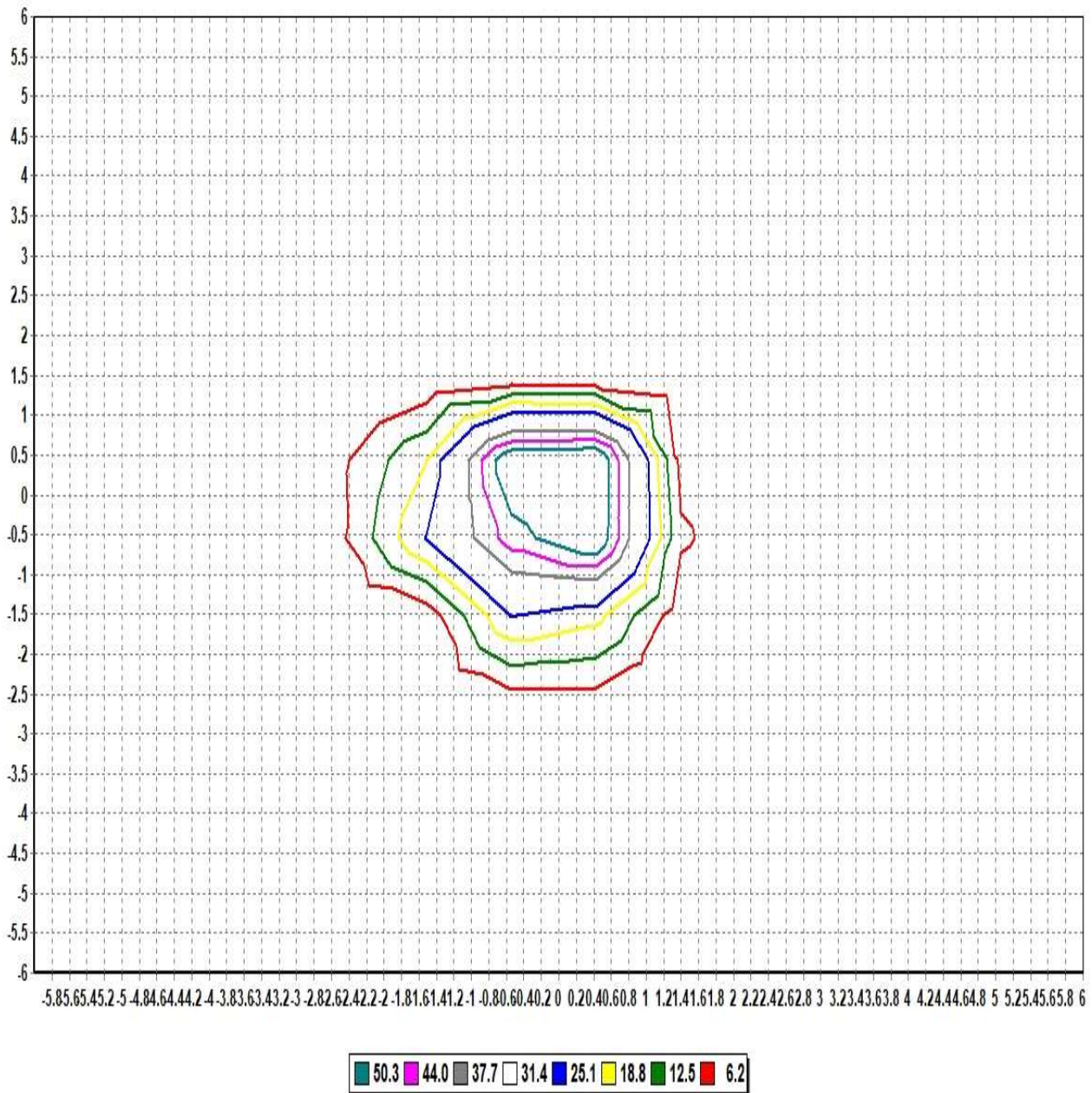
Operator

Total flux (lm) 228

Power Factor 1

Date 2023-05-10 오후 12:15:14

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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Current (A) 0.10976

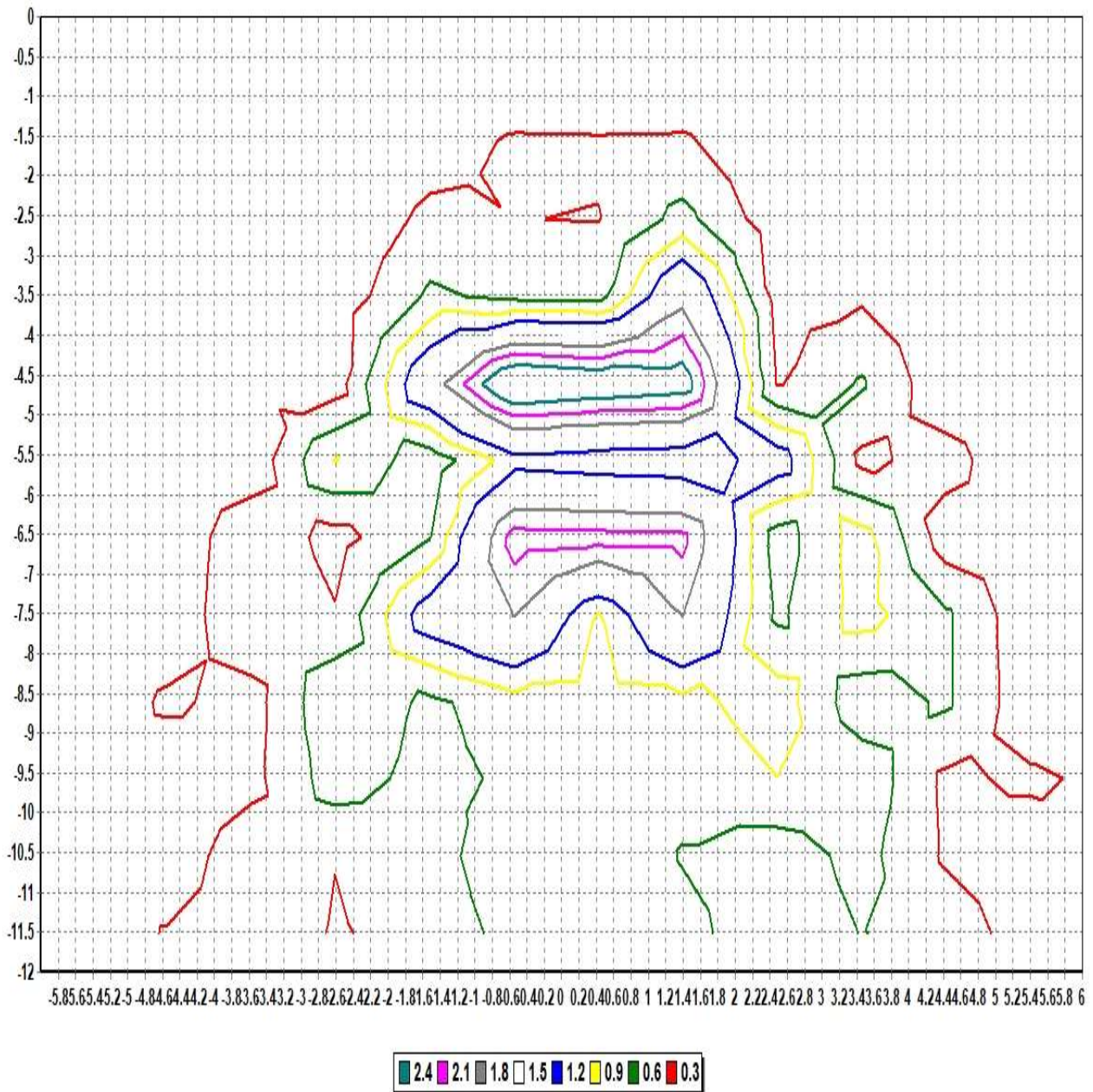
Operator

Total flux (lm) 228

Power Factor 1

Date 2023-05-10 오후 12:15:14

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)

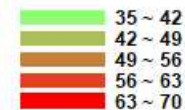
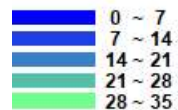
6.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
5.00	0.01	0.00	0.00	0.01	0.05	0.05	0.06	0.05	0.03	0.01	0.01	0.00	0.00
4.00	0.00	0.01	0.04	0.06	0.04	0.05	0.06	0.05	0.03	0.06	0.02	0.00	0.00
3.00	0.00	0.02	0.09	0.05	0.25	0.19	0.23	0.15	0.23	0.03	0.04	0.00	0.00
2.00	0.01	0.05	0.04	0.45	0.32	0.86	1.35	0.62	0.25	0.22	0.02	0.03	0.00
1.00	0.02	0.10	0.12	0.23	0.94	7.31	38.49	5.44	0.62	0.13	0.05	0.05	0.01
0.00	0.03	0.12	0.15	0.47	3.73	56.16	69.79	36.70	1.14	0.19	0.05	0.05	0.00
-1.00	0.02	0.10	0.11	0.39	1.82	15.43	50.52	11.16	1.12	0.23	0.05	0.05	0.00
-2.00	0.02	0.09	0.07	0.53	0.67	1.86	3.09	1.17	0.50	0.30	0.05	0.06	0.01
-3.00	0.01	0.03	0.12	0.11	0.64	0.44	0.43	0.29	0.45	0.09	0.06	0.01	0.01
-4.00	0.01	0.02	0.08	0.15	0.07	0.14	0.13	0.14	0.05	0.11	0.06	0.01	0.00
-5.00	0.02	0.01	0.02	0.03	0.10	0.12	0.11	0.13	0.07	0.02	0.01	0.01	0.01
-6.00	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
-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.) : 69.791

Illum. (Min.) : -0.0003

Illum. (Avg.) : 1.9071

All illuminance level values are in lux.



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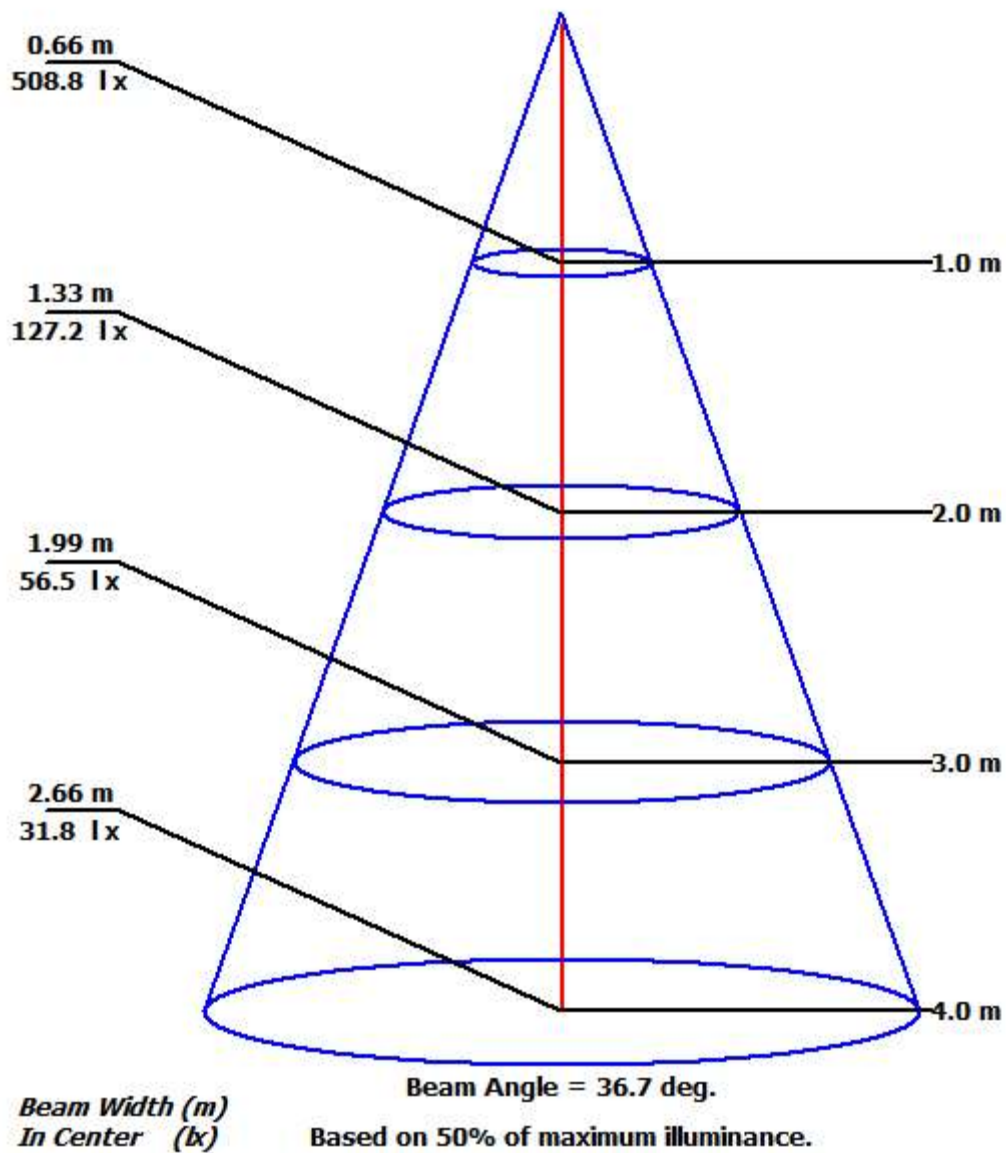
Operator

Total flux (lm) 228

Power Factor 1

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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report 230510

No. of lamps 1 Voltage (V) 23.98

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Lamp flux (lm) 228 Current (A) 0.10976

Operator

Total flux (lm) 228 Power Factor 1

Date 2023-05-10 오후 12:15:14

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