

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-84
* Date of Receipt : 230804

2. Purpose of Report :

3. Number of Report : 230804

4. Test Standard / Item : / 230804 CDV16 40K-24V F2208 VER2.02 28SS9

5. Test Period : 230804 ~ 230804

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	
	JSY	Sign	JSY	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
230804			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3839 , 0.3802	
Correlated Color Temperature	K	3934	
Ra		93.66	
Power Factor		1.000	
Input Voltage	V	23.913	
Input Current	A	0.688	
Input Watt	W	16.44	
Lamp Flux	lm	1930.4	
Efficient	lm/W	117.42	
luminous Intensity (Max , Center)	cd	835 , 835	
Illuminance	lx	835	1 m
		209	2 m
		93	3 m

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

* Sample photo

[Click to load image](#)

Luminaire KH FEELUX

Lamp

Report

230804

No. of lamps 1

Voltage (V) Filename 230804 CDV16 40K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 1930

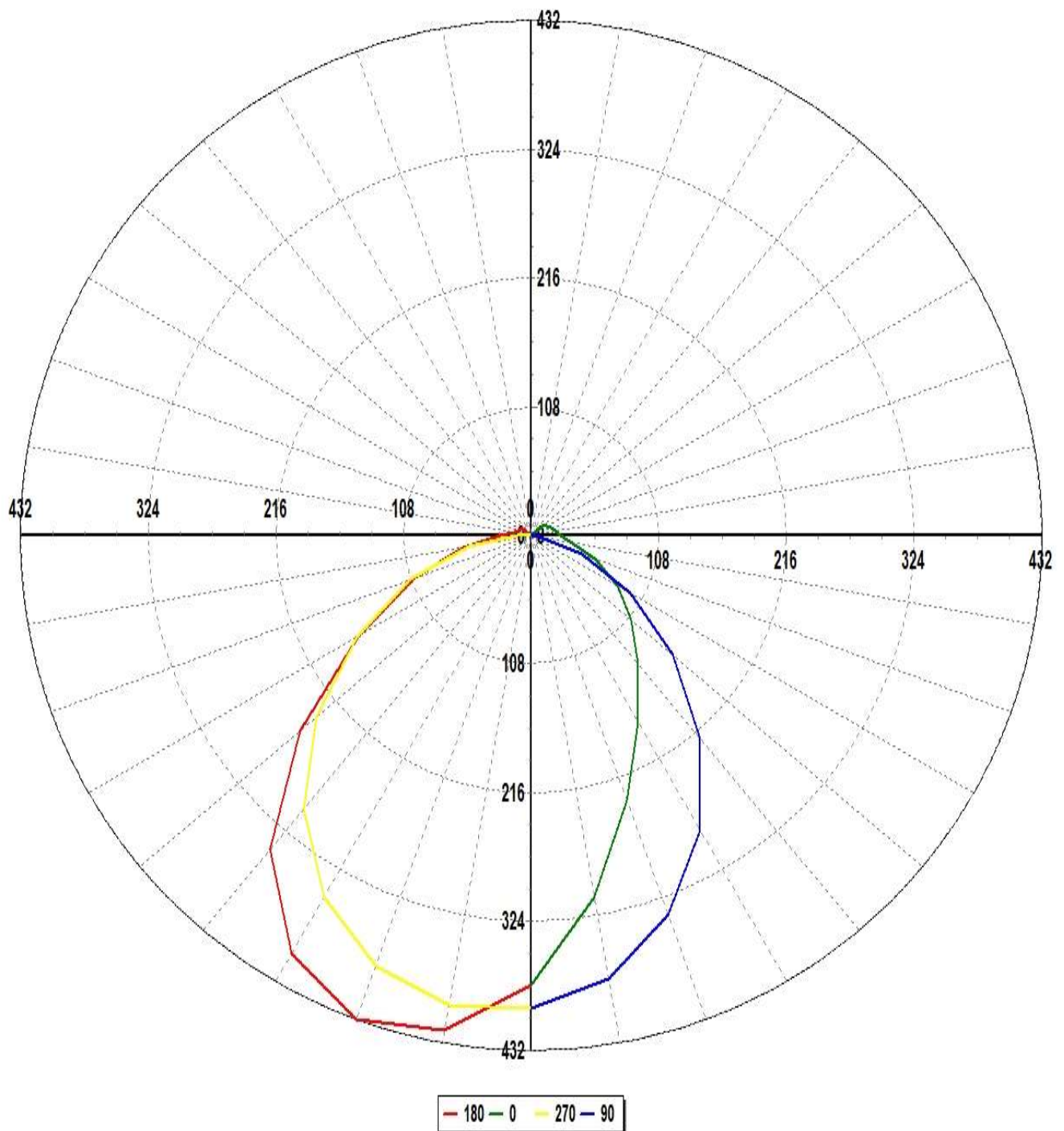
Current (A) Operator 75

Total flux (lm) 1930

Power Factor Date 1

2023-08-04 오전 9:47:16

Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 1930

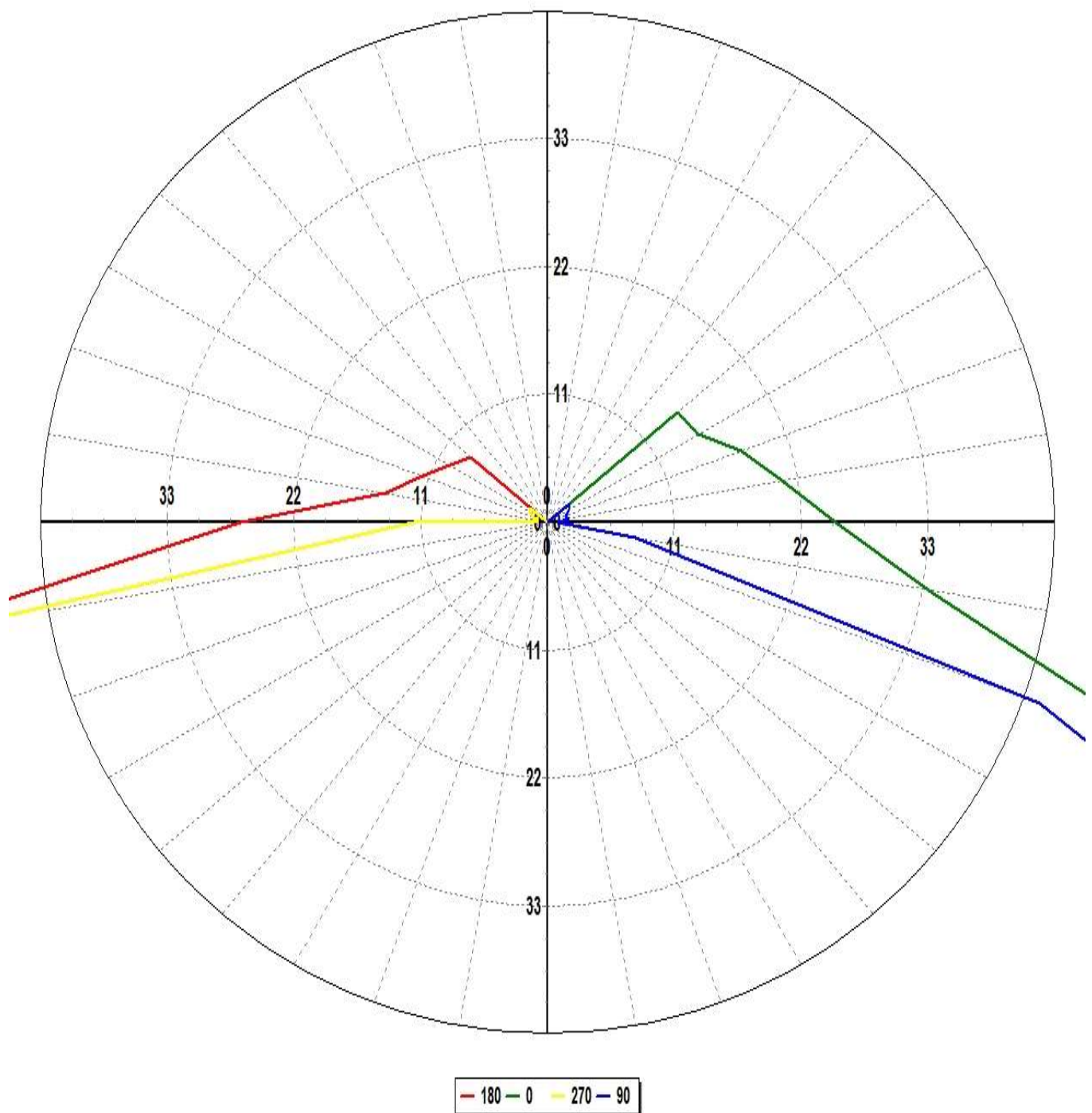
Current (A) Operator 75

Total flux (lm) 1930

Power Factor Date 1

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

Lamp		Report	230804
No. of lamps	1	Voltage (V)	Filename1230804 CDV16 40K-24V F2208 VER2.02 28SS9.jdt
Lamp flux (lm)	1930	Current (A)	Operator75
Total flux (lm)	1930	Power Factor	Date 1 2023-08-04 오전 9:47:16

Luminous Intensity Data

Maximum (cd) : 835

Minimum (cd) : 2

G/C	0	30	60	90	120	150	180	210	240	270	300
0	728.2	731.1	746.86	767.85	790.06	805.82	728.2	731.1	746.86	767.85	790.06
10	595.99	610.54	665.24	729.53	784.17	810.63	815.29	808.66	793.65	772.86	753.15
20	457.17	477.56	553.76	654.9	728.94	758.01	835.03	825.21	793.95	741.98	676.42
30	349.31	362.34	436.06	552.8	632.46	642.44	783.98	781.88	750.93	677.2	570.58
40	271.4	273.89	324.31	428.44	501.03	484.08	664.47	676.63	658.87	578.47	452.2
50	213.03	205.65	229.11	301.13	356.32	327.85	492.06	519.6	529.37	457.89	339.49
60	162.57	149.4	149.35	186.78	224.38	201.74	327.38	357.49	384.4	328.41	241.45
70	111.52	97.41	83.69	87.77	116.21	109.79	201.98	223.68	246.33	209.31	160.49
80	64.9	52.8	32.21	14.91	36.98	44.89	112.91	123.89	130.57	103.21	91.09
90	48.27	39.12	20.55	1.74	15.01	24.76	51.35	52.91	45	22.32	37.28
100	39.82	32.8	17.64	3.63	11.73	19.18	27.53	26.15	15.45	1.58	20.73
110	34.63	28.5	12.26	3.21	8.68	17.12	22.3	20.06	11.96	2.78	17.67
120	29.11	21.05	4.47	4.16	4.33	12.92	18.83	16.69	8.1	3.63	12.03
130	28.37	5.98	11.9	4.9	7.45	4.42	16.79	14.96	3.84	3.76	4.57

Luminaire KH FEELUX

Lamp		Report	230804
No. of lamps	1	Voltage (V)	Filename\230804 CDV16 40K-24V F2208 VER2.02 28SS9.jdt
Lamp flux (lm)	1930	Current (A)	Operator\75
Total flux (lm)	1930	Power Factor	Date 1 2023-08-04 오전 9:47:16

Luminous Intensity Data (Continued)

Maximum (cd) : 835

Minimum (cd) : 2

G/C	330	360
0	805.82	728.2
10	737.47	595.99
20	624.89	457.17
30	493.32	349.31
40	376.51	271.4
50	285.39	213.03
60	215.11	162.57
70	157.73	111.52
80	104.61	64.9
90	57.95	48.27
100	39.75	39.82
110	33.88	34.63
120	28.57	29.11
130	23.59	28.37

Luminaire KH FEELUX

Lamp

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Power Factor Date 1

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Luminous Flux Table

Total Lamp Lumens: 1930.4

Luminaire Efficiency (lm/W): 117.42

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	18.21	18.21	0.94	0.94
10	140.69	158.90	8.23	8.23
20	253.72	412.62	21.37	21.37
30	320.96	733.58	38.00	38.00
40	333.83	1067.41	55.29	55.29
50	297.63	1365.04	70.71	70.71
60	231.47	1596.51	82.70	82.70
70	154.88	1751.39	90.73	90.73
80	82.06	1833.45	94.98	94.98
90	37.99	1871.45	96.95	96.95
100	23.01	1894.46	98.14	98.14
110	18.27	1912.73	99.08	99.08
120	12.95	1925.69	99.76	99.75
130	4.73	1930.42	100.00	100.00

Luminaire KH FEELUX

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Lamp flux (lm) 1930

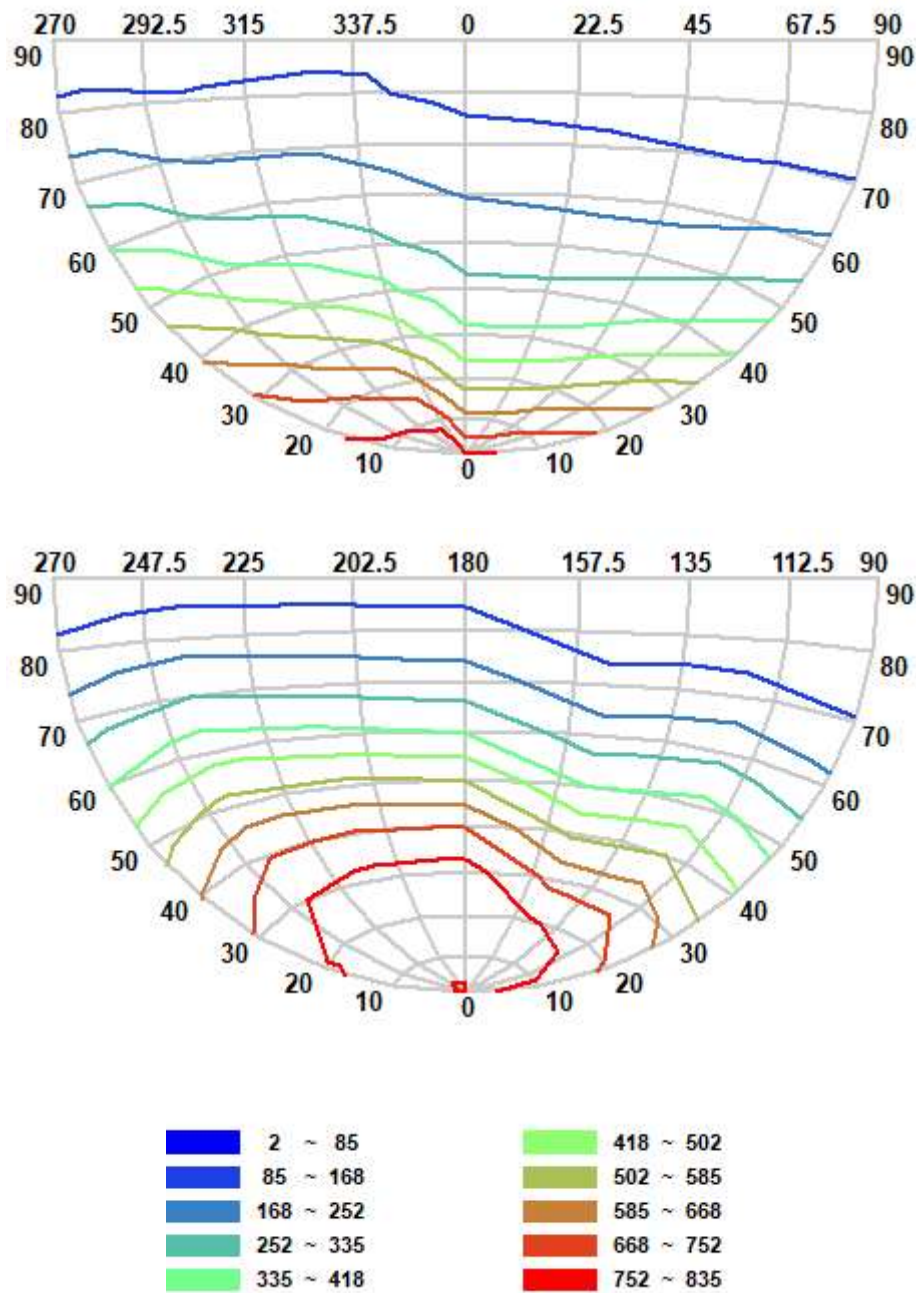
Current (A) Operator 75

Total flux (lm) 1930

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IsoCandela (Type C)



Luminaire KH FEELUX

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Lamp flux (lm) 1930

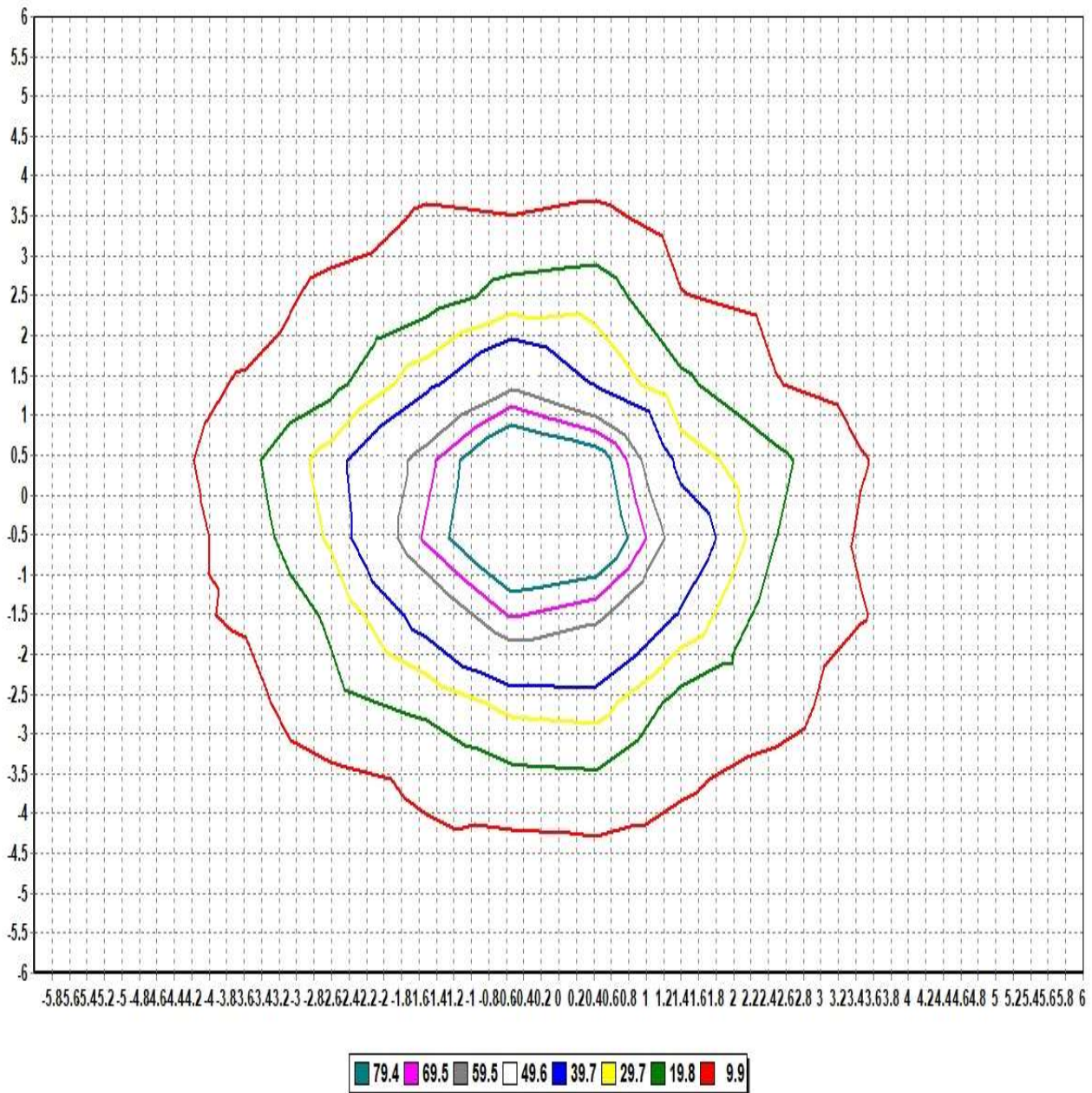
Current (A) Operator 75

Total flux (lm) 1930

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 KH FEELUX

Lamp

Report

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No. of lamps 1

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Lamp flux (lm) 1930

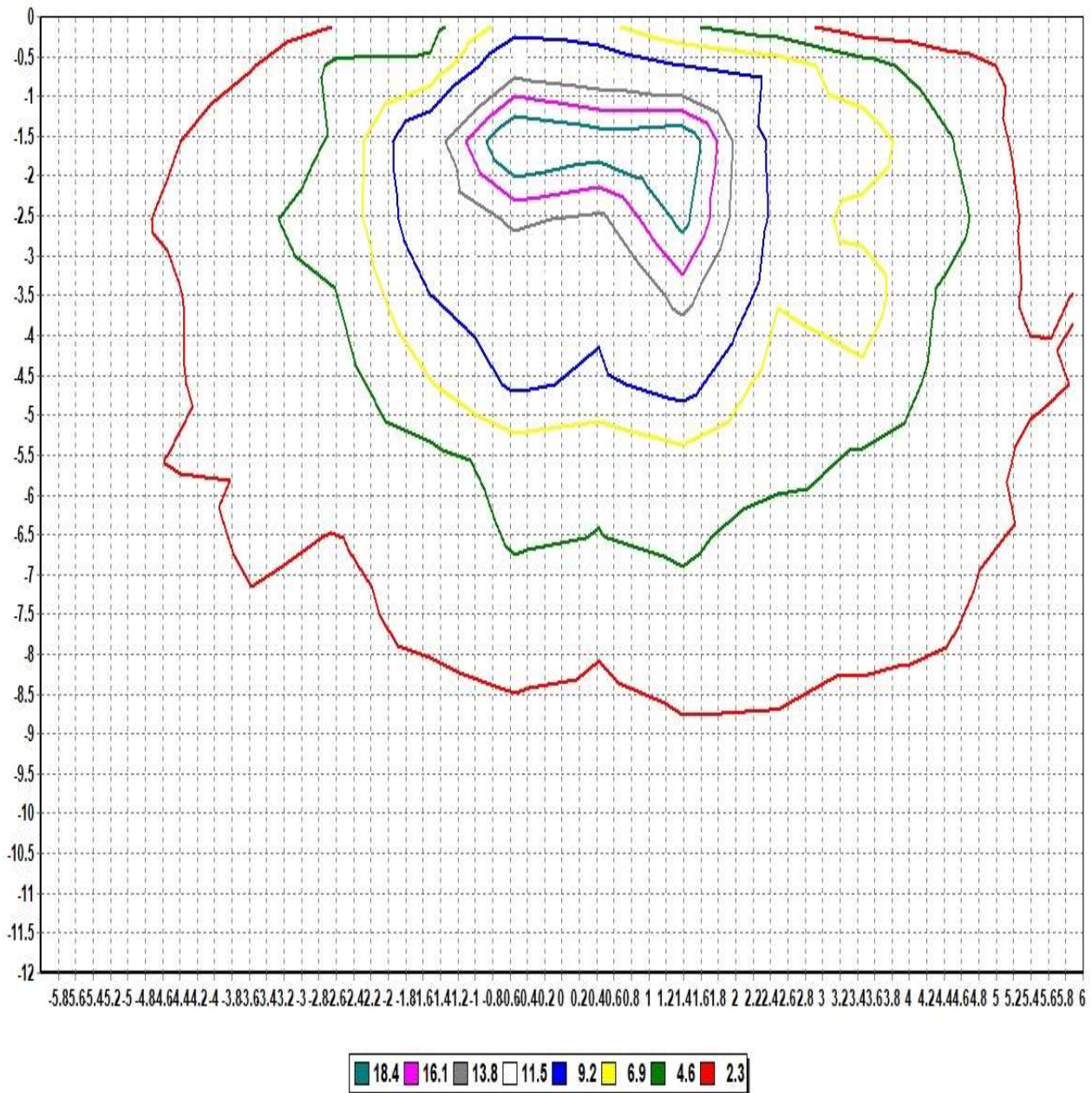
Current (A) Operator 75

Total flux (lm) 1930

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 KH FEELUX

Lamp

No. of lamps 1 Voltage (V) 23.913

Lamp flux (lm) 1930 Current (A) 0.6875

Total flux (lm) 1930 Power Factor 1

Report

230804

Filename 230804 CDV16 40K-24V F2208 VER2.02 28SS9.jdt

Operator

Date

2023-08-04 오전 9:47:16

Illuminance Levels (Ground)

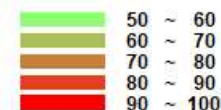
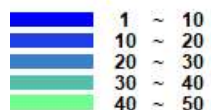
6.00	0.69	0.91	0.57	0.95	1.14	1.05	1.23	1.11	0.91	0.76	0.52	0.69	0.55
5.00	0.96	0.69	1.01	1.39	3.69	3.33	4.16	3.55	2.36	1.18	0.85	0.68	0.73
4.00	0.68	1.12	3.00	4.33	4.44	4.46	5.59	4.53	2.95	3.11	2.03	0.98	0.67
3.00	0.97	1.58	4.61	5.01	11.71	12.84	13.41	8.21	8.54	3.59	2.99	1.38	0.78
2.00	1.21	3.76	4.48	12.91	17.10	31.18	33.57	17.74	10.50	7.47	2.98	2.34	0.99
1.00	2.00	5.60	7.12	13.24	31.59	58.74	82.25	36.43	17.35	7.95	4.74	3.44	1.51
0.00	2.42	6.85	9.45	21.61	50.25	92.30	99.89	66.91	21.24	9.22	4.39	3.01	1.26
-1.00	1.64	5.06	6.92	19.42	42.56	75.72	87.31	61.41	28.07	12.16	4.65	3.21	1.35
-2.00	2.13	5.65	7.05	18.08	25.57	42.51	43.61	29.51	19.94	10.52	4.72	3.63	1.51
-3.00	1.76	2.68	6.94	8.13	18.28	19.93	19.79	14.68	15.51	6.65	4.20	1.89	1.25
-4.00	1.25	1.97	4.74	7.40	7.17	8.99	9.14	9.08	4.98	6.05	3.81	1.42	0.95
-5.00	1.56	1.40	2.24	3.18	5.79	6.42	6.43	6.65	4.15	2.70	1.82	1.21	1.04
-6.00	1.19	1.74	1.48	1.80	2.28	2.48	2.46	2.63	1.74	1.30	1.24	1.39	1.00
-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.) : 99.890

Illum. (Min.) : 0.5249

Illum. (Avg.) : 10.509

All illuminance level values are in lux.



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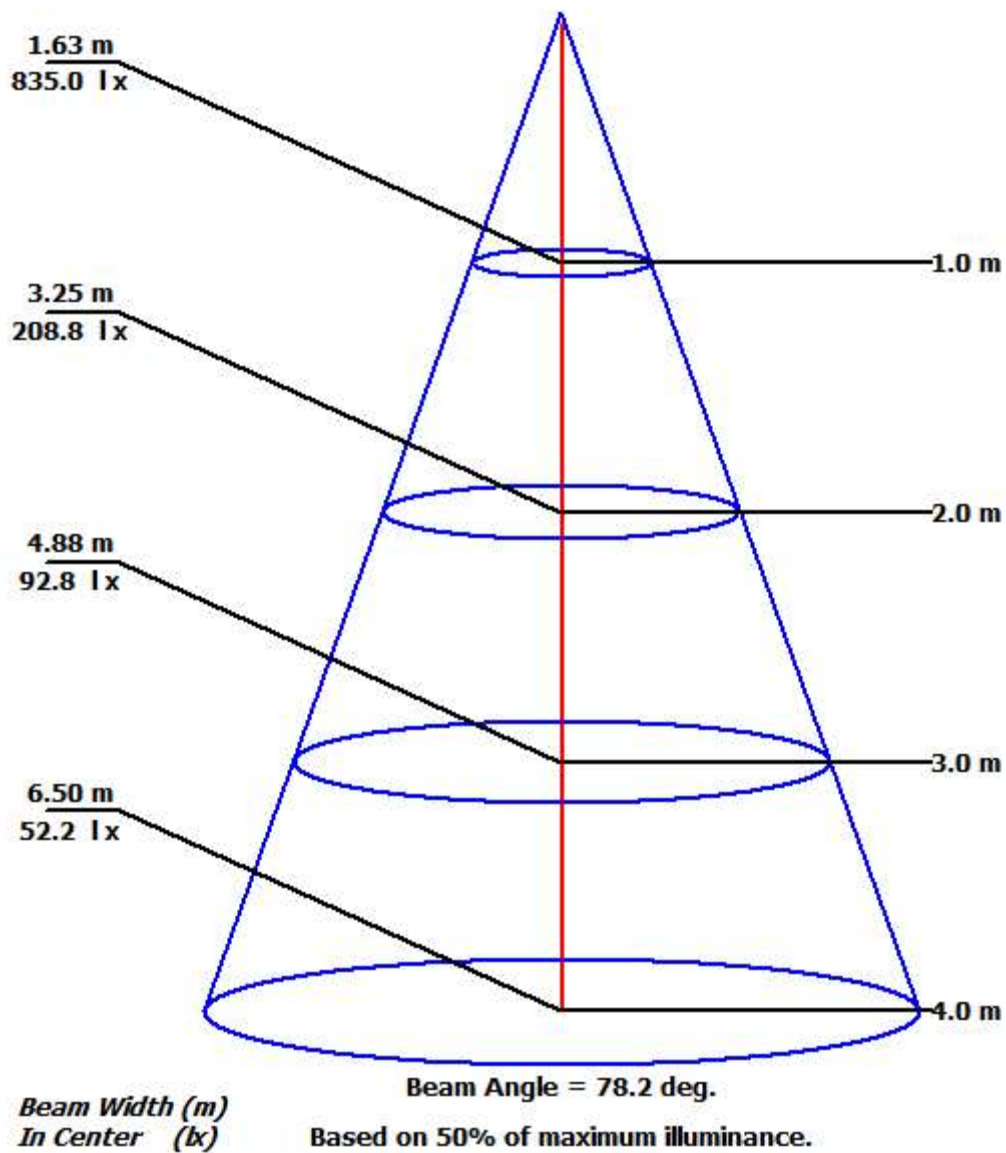
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Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

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No. of lamps 1 Voltage (V) 23.913

Filename 230804 CDV16 40K-24V F2208 VER2.02 28SS9.jdt

Lamp flux (lm) 1930 Current (A) 0.6875

Operator

Total flux (lm) 1930 Power Factor 1

Date 2023-08-04 오전 9:47:16

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