

# 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 CDV20 30K-24V F2207 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		0.4348 , 0.4026	
Correlated Color Temperature	K	3026	
Ra		93.08	
Power Factor		1.000	
Input Voltage	V	23.894	
Input Current	A	0.860	
Input Watt	W	20.552	
Lamp Flux	lm	2286.5	
Efficient	lm/W	111.26	
luminous Intensity (Max , Center)	cd	989 , 989	
Illuminance	lx	989	1 m
		247	2 m
		110	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 CDV20 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 2287

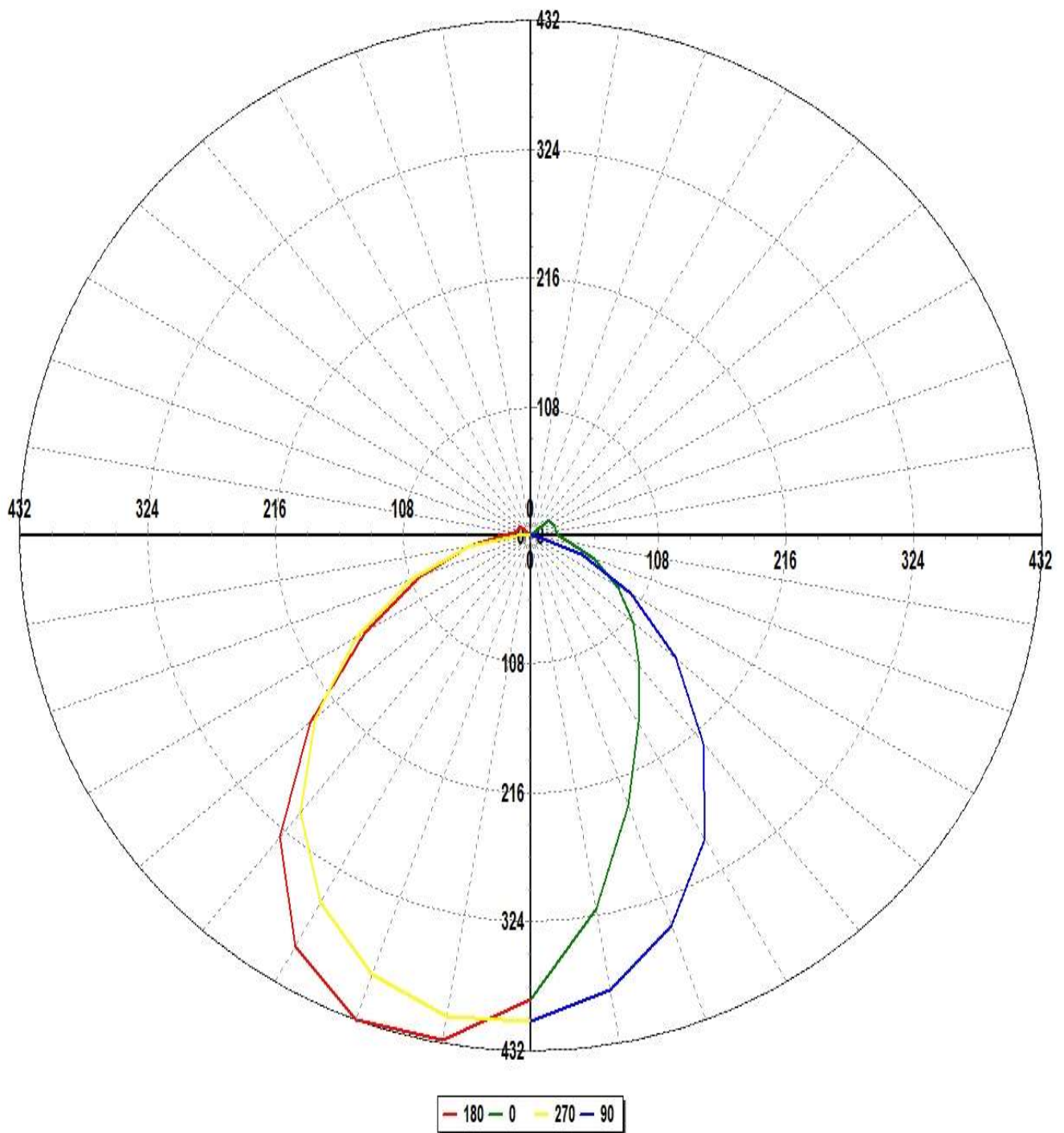
Current (A) Operator: 01

Total flux (lm) 2287

Power Factor Date 1

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## Luminous Intensity Distribution



Luminaire KH FEELUX

Lamp

Report

230804

No. of lamps 1

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Lamp flux (lm) 2287

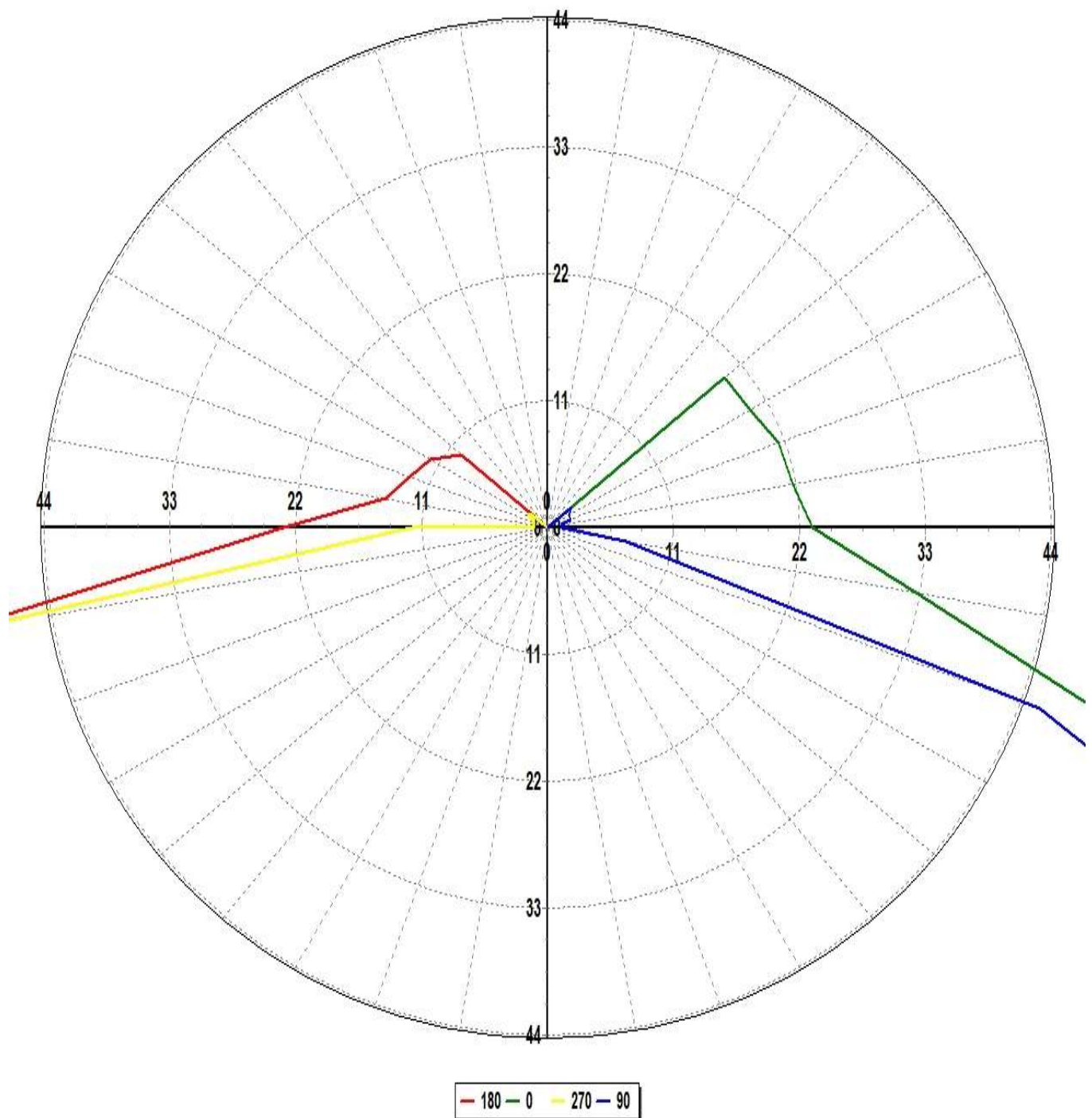
Current (A) Operator: 01

Total flux (lm) 2287

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)	Filename: 230804 CDV20 30K-24V F2207 VER2.02 28SS9.jdt
Lamp flux (lm)	2287	Current (A)	Operator: 01
Total flux (lm)	2287	Power Factor	Date 1 2023-08-04 오전 10:33:20

## Luminous Intensity Data

Maximum (cd) : 989

Minimum (cd) : 3

G/C	0	30	60	90	120	150	180	210	240	270	300
0	891.01	891.68	910.38	932.63	954.24	966.84	891.01	891.68	910.38	932.63	954.24
10	727.8	746.47	814.55	884.77	941.06	964.63	983.68	973.51	957.62	936.04	914.4
20	552.76	579.65	681.31	796.99	872.55	885.17	988.77	979.02	949.57	896.38	822.71
30	415.7	435.39	532.36	671.98	749.52	738.51	910.86	910.04	886.55	813.77	693.98
40	326.73	329.62	393.67	519.76	589.08	552.93	755.67	771.1	768.18	692.66	545.04
50	259.28	250.48	276.99	364.84	415.3	373.28	558.16	587.02	611.41	545.14	404.64
60	194.97	180.16	182.16	224.22	260.07	228.88	369.17	403.03	435.68	389.75	286.49
70	131.23	116.29	102.19	104.66	131.76	119.74	226.54	250.24	278.46	245.08	191.09
80	74.65	62.16	40.18	15.93	38.12	46.42	122.4	134.67	145.74	121.63	110.87
90	52.95	46.5	27.57	2.83	18.71	29.25	52.68	54.77	46.59	26.91	47.26
100	49.76	44.48	26.82	2.82	16.48	26.76	32.7	31.2	19.48	2.62	27.08
110	49.01	43.04	18.94	4.84	10.89	22.78	29.18	26.91	16.76	2.7	26.65
120	46.62	35.69	8.29	4.91	6.33	18.63	27.1	23.52	10.6	4.6	18.79
130	46.13	9.95	18.88	6.25	10.43	6.61	22.62	20.41	6.11	4.47	8.37

Luminaire KH FEELUX

Lamp

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Lamp flux (lm) 2287

Current (A) Operator: 01

Total flux (lm) 2287

Power Factor Date 1

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## Luminous Intensity Data (Continued)

Maximum (cd) : 989

Minimum (cd) : 3

G/C	330	360
0	966.84	891.01
10	898.59	727.8
20	763.85	552.76
30	598.34	415.7
40	448.44	326.73
50	338.4	259.28
60	258.52	194.97
70	188.93	131.23
80	123.41	74.65
90	68.13	52.95
100	46.08	49.76
110	44.2	49.01
120	43.08	46.62
130	39.6	46.13

Luminaire KH FEELUX

Lamp		Report	230804
No. of lamps	1	Voltage (V)	Filename: 230804 CDV20 30K-24V F2207 VER2.02 28SS9.jdt
Lamp flux (lm)	2287	Current (A)	Operator: 01
Total flux (lm)	2287	Power Factor	Date 1 2023-08-04 오전 10:33:20

## Luminous Flux Table

Total Lamp Lumens:	2286.5
Luminaire Efficiency (lm/W):	111.26
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	22.10	22.10	0.97	0.97
10	170.27	192.37	8.41	8.41
20	304.94	497.31	21.75	21.75
30	381.37	878.68	38.43	38.43
40	392.65	1271.33	55.60	55.60
50	348.53	1619.86	70.84	70.84
60	269.78	1889.63	82.64	82.64
70	178.92	2068.56	90.47	90.47
80	93.13	2161.69	94.54	94.54
90	43.27	2204.96	96.43	96.43
100	29.33	2234.29	97.72	97.72
110	25.38	2259.67	98.83	98.83
120	19.62	2279.28	99.68	99.68
130	7.24	2286.53	100.00	100.00



Luminaire KH FEELUX

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Lamp flux (lm) 2287

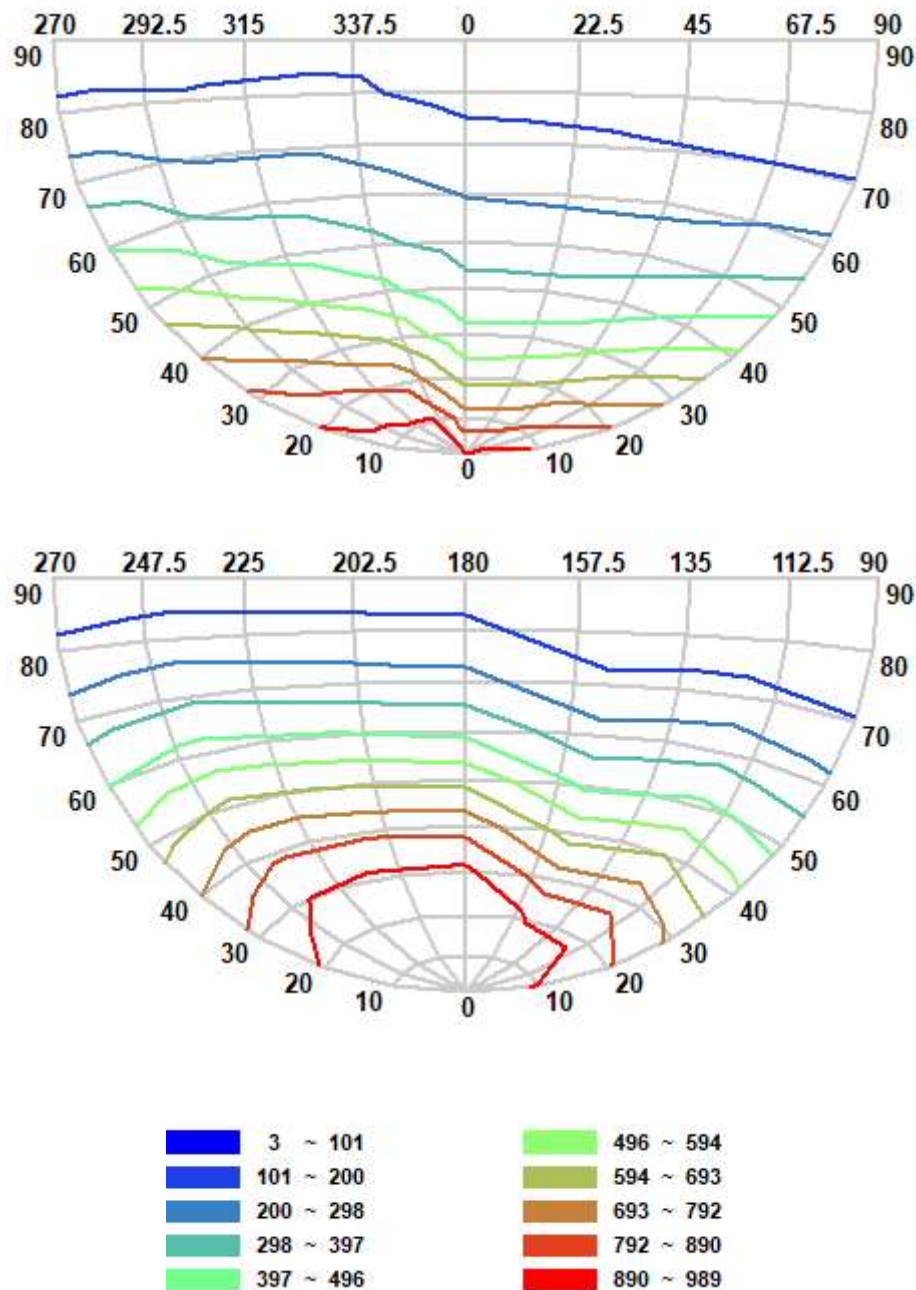
Current (A) Operator: 01

Total flux (lm) 2287

Power Factor Date 1

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## IsoCandela (Type C)





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Lamp flux (lm) 2287

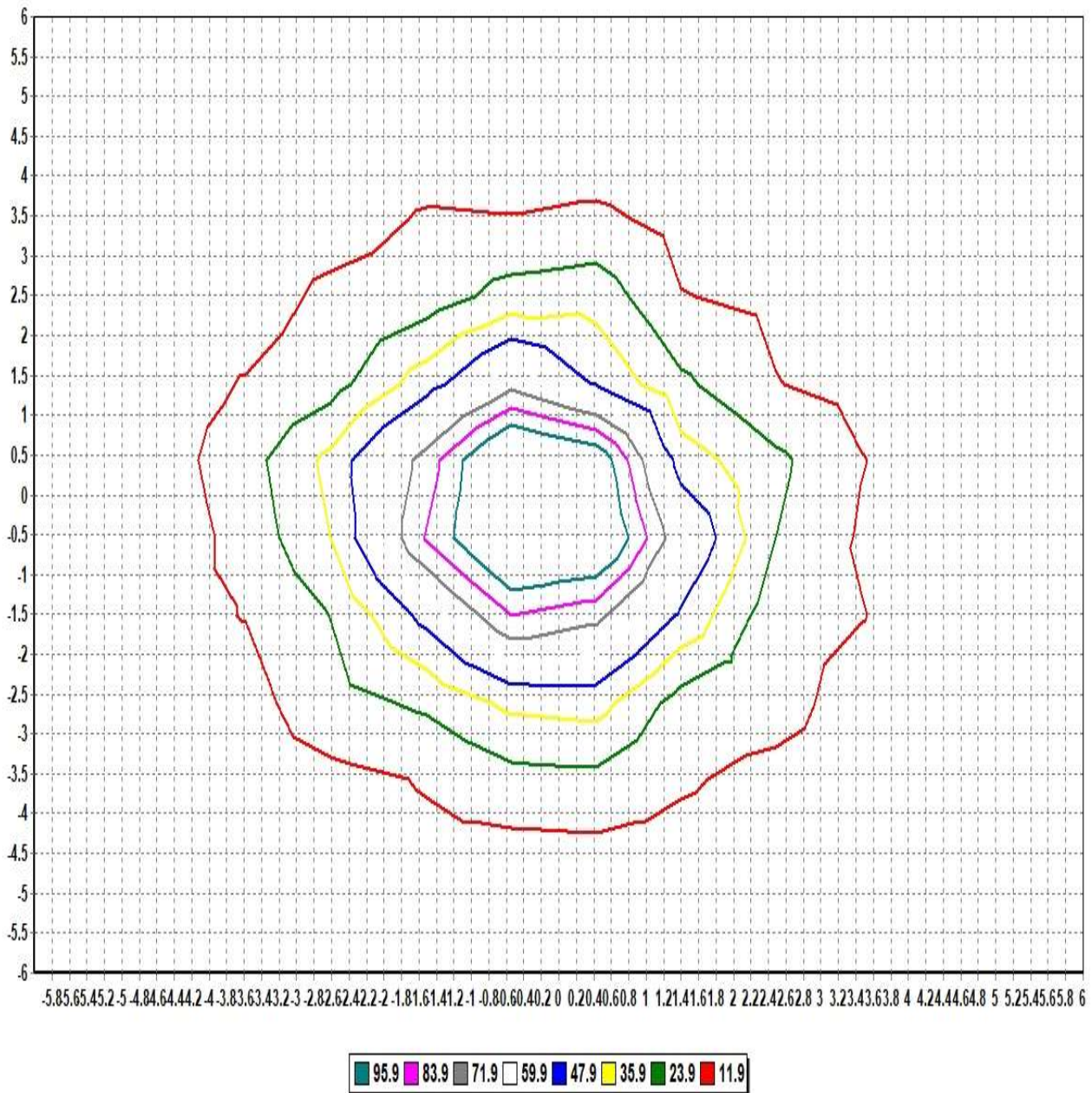
Current (A) Operator: 01

Total flux (lm) 2287

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

Voltage (V) Filename: 230804 CDV20 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 2287

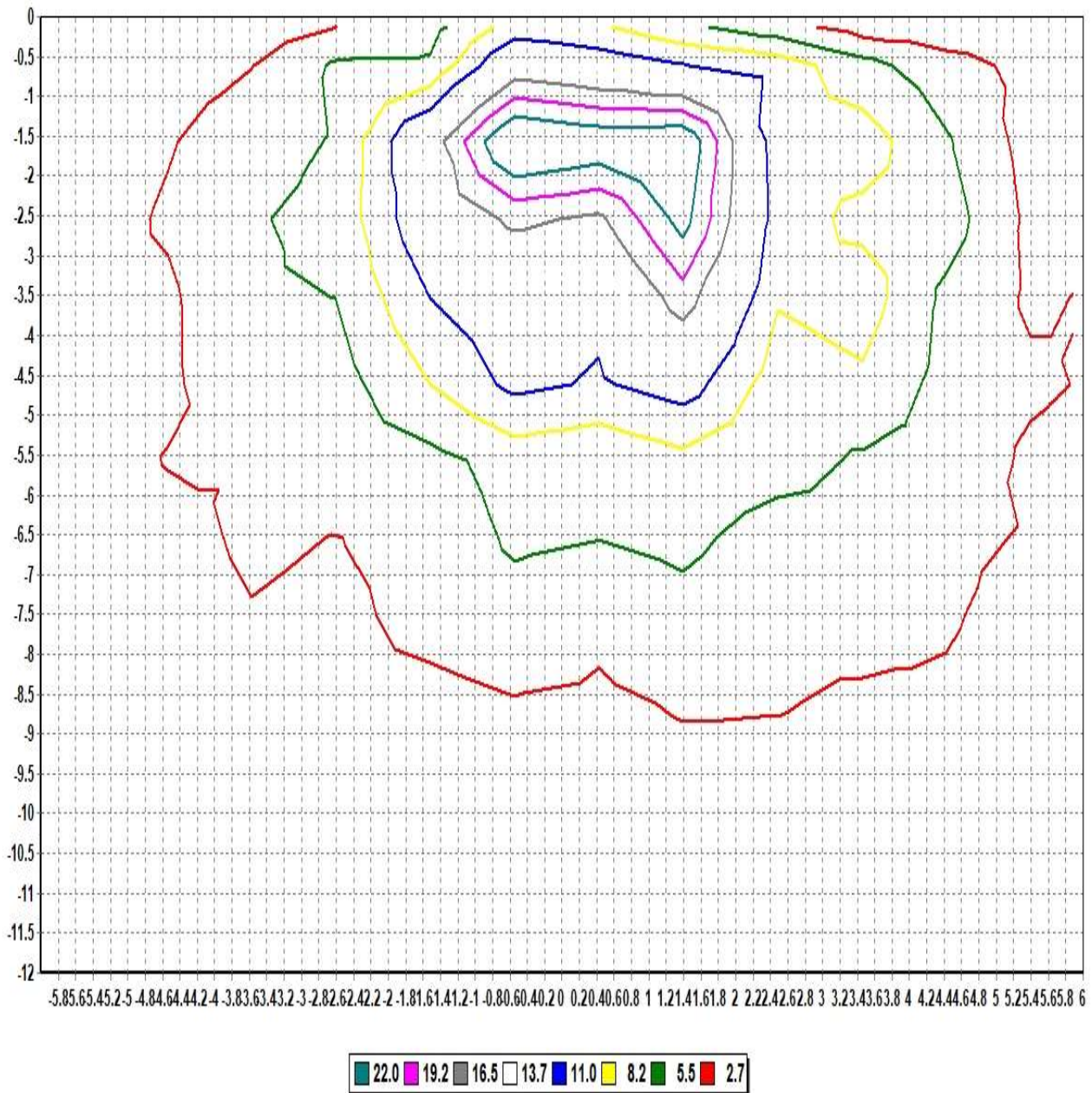
Current (A) Operator: 01

Total flux (lm) 2287

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

Report

230804

No. of lamps 1

Voltage (V) 23.894

Filename 230804 CDV20 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 2287

Current (A) 0.8601

Operator

Total flux (lm) 2287

Power Factor 1

Date

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## Illuminance Levels (Ground)

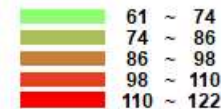
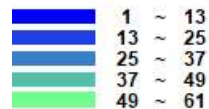
6.00	0.81	1.07	0.68	1.09	1.33	1.28	1.47	1.34	1.10	0.91	0.64	0.84	0.66
5.00	1.09	0.81	1.19	1.66	4.33	4.03	5.03	4.30	2.86	1.44	1.03	0.81	0.88
4.00	0.75	1.26	3.55	5.19	5.17	5.40	6.74	5.48	3.57	3.77	2.46	1.17	0.79
3.00	1.10	1.76	5.28	5.92	14.13	15.17	16.25	9.96	10.35	4.34	3.63	1.64	0.93
2.00	1.37	4.35	5.18	14.79	20.34	36.79	40.75	21.37	12.72	9.02	3.59	2.84	1.18
1.00	2.24	6.36	8.07	15.31	37.03	70.56	99.76	43.74	20.88	9.67	5.69	4.12	1.81
0.00	2.72	7.76	10.69	24.53	57.62	111.29	122.22	81.69	25.45	11.20	5.30	3.66	1.50
-1.00	1.84	5.75	7.84	21.98	48.54	88.46	105.74	74.26	33.81	14.47	5.59	3.86	1.61
-2.00	2.39	6.38	7.95	20.54	29.02	48.62	52.29	35.55	23.83	12.53	5.61	4.33	1.80
-3.00	1.98	3.02	7.86	9.18	21.20	22.72	23.59	17.49	18.55	7.90	4.99	2.27	1.49
-4.00	1.40	2.21	5.36	8.49	8.09	10.47	10.86	10.55	5.91	7.20	4.53	1.70	1.14
-5.00	1.75	1.57	2.53	3.60	6.58	7.53	7.65	7.75	4.94	3.18	2.15	1.43	1.25
-6.00	1.34	1.96	1.68	2.02	2.57	2.88	2.90	3.01	2.06	1.55	1.45	1.65	1.19
-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.) : 122.22

Illum. (Min.) : 0.6389

Illum. (Avg.) : 12.464

All illuminance level values are in lux.





Luminaire KH FEELUX

Lamp

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Voltage (V)

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Lamp flux (lm) 2287

Current (A)

Operator: 01

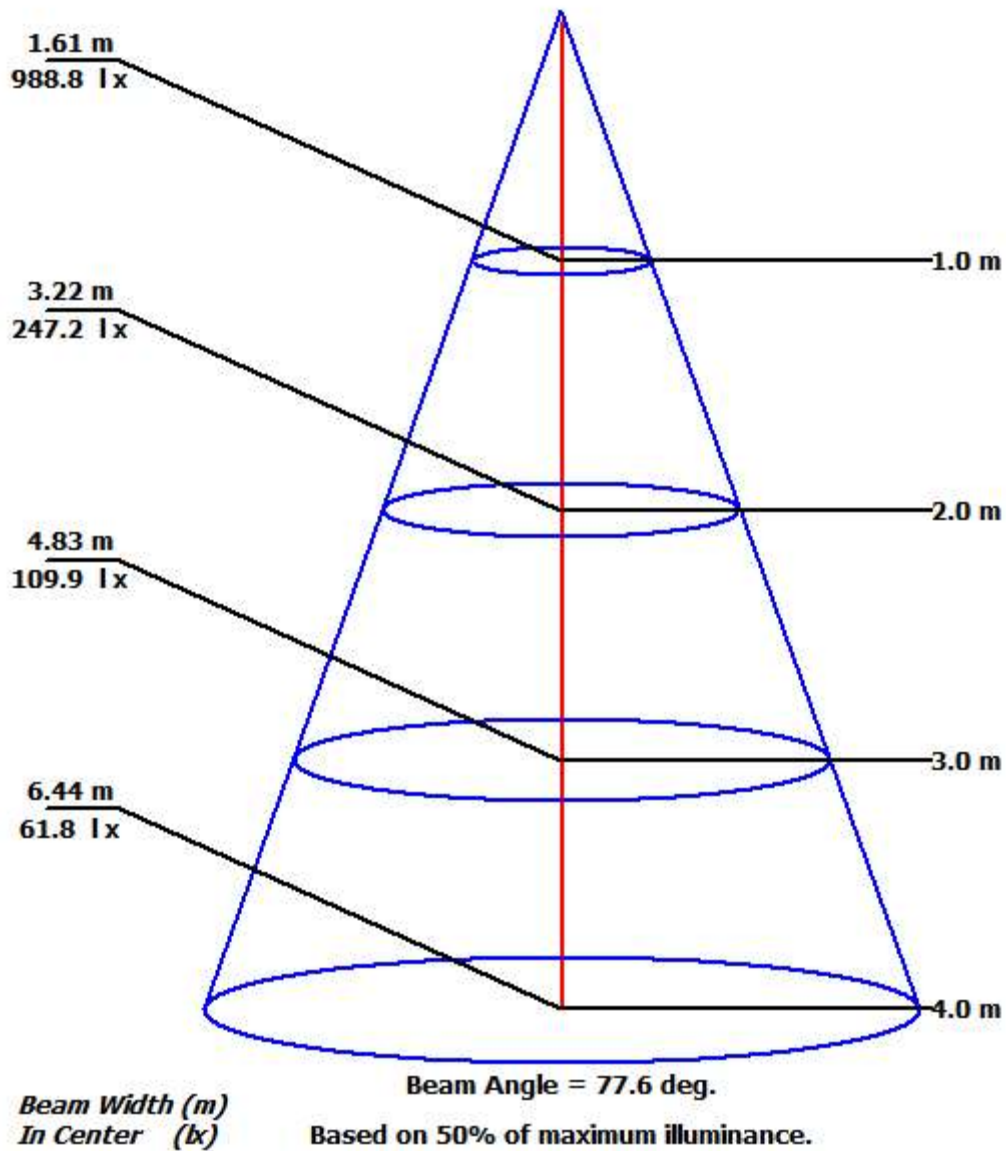
Total flux (lm) 2287

Power Factor

Date 1

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## Illuminance Cone Diagram



Luminaire KH FEELUX

Lamp

Report

230804

No. of lamps 1 Voltage (V) 23.894

Filename 230804 CDV20 30K-24V F2207 VER2.02 28SS9.jdt

Lamp flux (lm) 2287 Current (A) 0.8601

Operator

Total flux (lm) 2287 Power Factor 1

Date

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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