

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 : / NDF10 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	%	24.3	
CIE 1931 Cx, Cy		0.4092 , 0.3875	
Correlated Color Temperature	K	3392	
Ra		94.07	
Power Factor		0.972	
Input Voltage	V	120.24	
Input Current	A	0.089	
Input Watt	W	10.421	
Lamp Flux	lm	829.7	
Efficient	lm/W	79.61	
luminous Intensity (Max , Center)	cd	276 , 276	
Illuminance	lx	276	1 m
		69	2 m
		31	3 m

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

* Sample photo

Click to load image

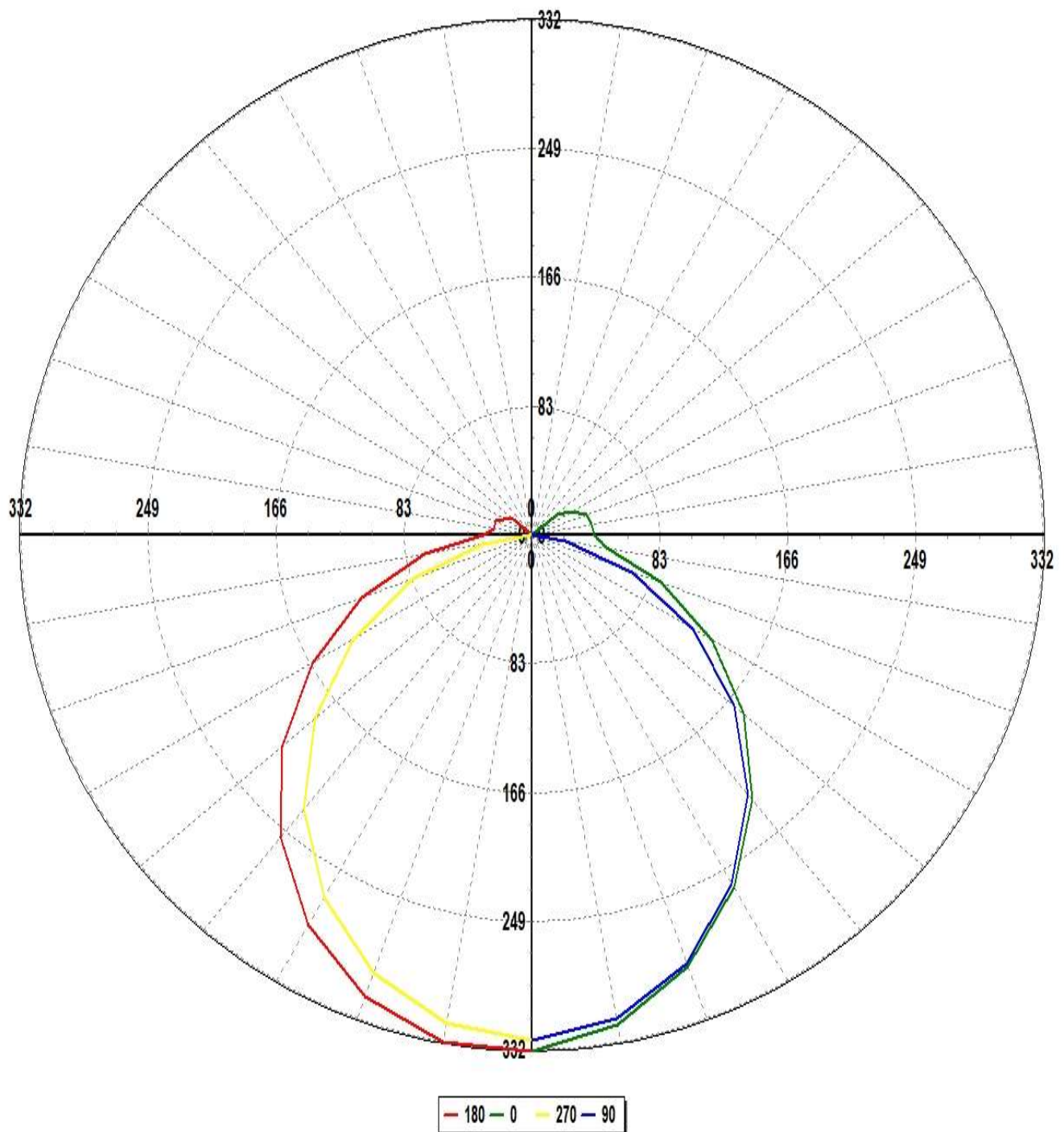
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	120.24
Lamp flux (lm)	830	Current (A)	0.0892
Total flux (lm)	830	Power Factor	0.9717

Report	230511
Filename	NDF10 F.F 120V 35K.jdt
Operator	
Date	2023-05-11 오후 7:26:37

Luminous Intensity Distribution



Luminaire KH FEELUX

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No. of lamps 1

Voltage (V) 120.24

Lamp flux (lm) 830

Current (A) 0.0892

Total flux (lm) 830

Power Factor 0.9717

Report

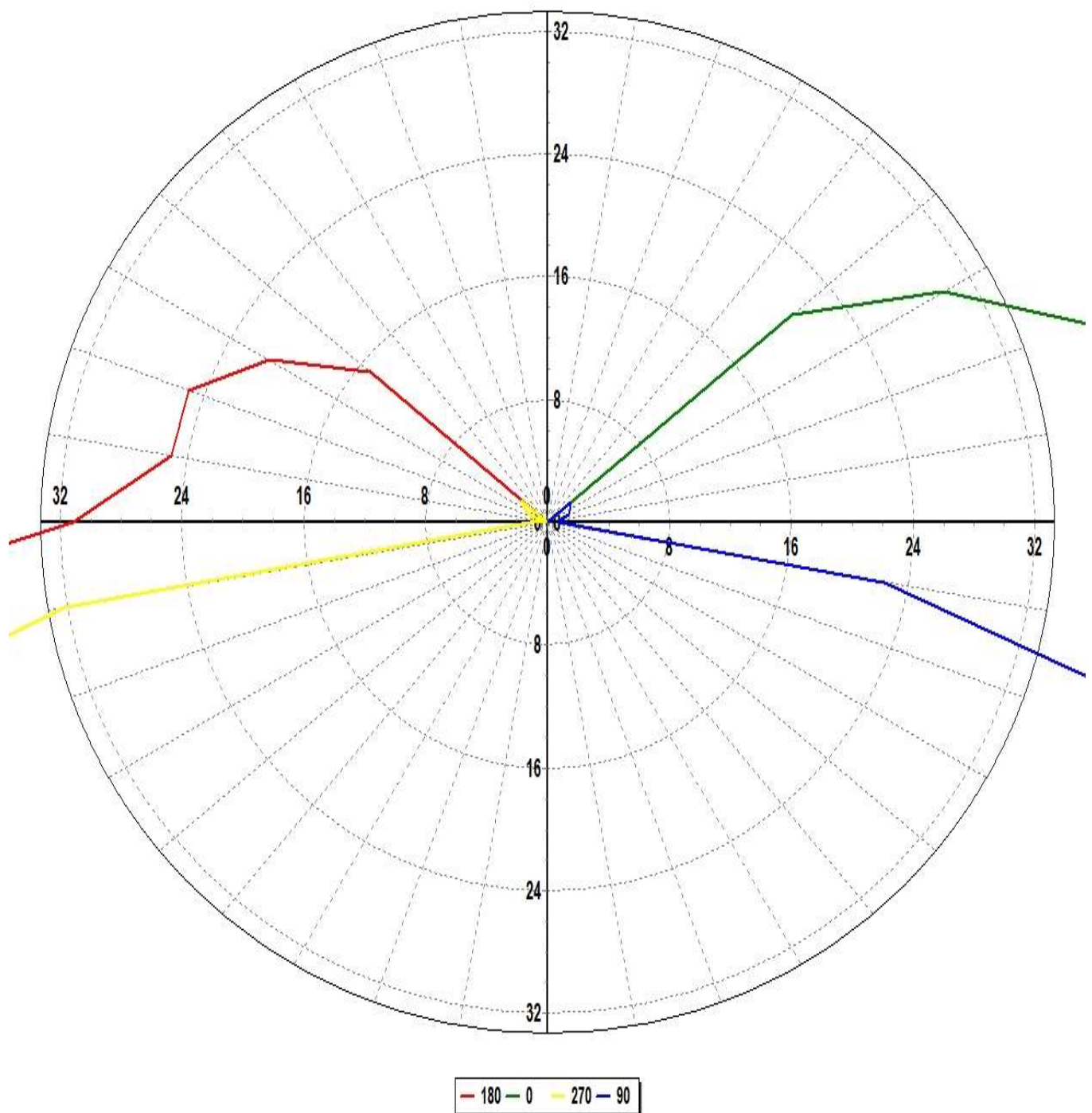
230511

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Luminous Intensity Distribution (Lowest 10%)



Luminaire KH FEELUX

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Power Factor 0.9717

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Luminous Intensity Data

Maximum (cd) : 276

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	276.22	273.25	271.41	270.1	269.46	268.25	276.22	273.25	271.41	270.1	269.46
10	266.03	263.7	262.85	262.45	264.08	265.44	275.28	272.1	269.2	265.33	263.3
20	245.67	242.93	242.96	243.87	248.36	251.74	263.19	260.63	254.51	249.53	245.98
30	217.61	214.69	214.96	215.39	223.05	227.66	240.82	238.05	230.63	223.9	218.86
40	184.48	180.83	180.21	180.94	189.86	197.32	211.08	207.89	199.86	191.22	185.63
50	148.71	145.24	142.56	142.5	152.83	162.07	175.92	172.85	162.49	152.59	149.36
60	112.13	106.13	103.19	100.12	113.82	124.02	136.54	134.32	122.3	111.47	110.44
70	73.68	68.26	61.8	57.65	72.91	85.62	97.65	94.94	81.76	68.59	69.14
80	40.78	34.89	25.67	18.62	33.52	46.4	58.55	55.28	41.72	26.73	31.48
90	33.4	28.47	14.26	0.59	8.98	17.96	25.86	21.91	10.48	0.92	14.07
100	32.42	26.73	14.82	0.77	9.35	16.24	20.78	17.32	9.11	-0.01	14.79
110	31.35	26.17	9.46	1.23	7.62	16.99	20.81	17.06	10.61	0.89	13.75
120	24.88	20.24	1.8	1.48	2.07	14.17	17.49	14.96	1.24	1.42	1.1
130	17.39	7.51	6.51	1.64	6.51	7.11	12.58	8.73	5.71	1.86	6.9

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Luminous Intensity Data (Continued)

Maximum (cd) : 276

Minimum (cd) : 0

G/C	330	360
0	268.25	276.22
10	261.97	266.03
20	242.84	245.67
30	216.65	217.61
40	184.82	184.48
50	149.51	148.71
60	113.06	112.13
70	73.92	73.68
80	39.49	40.78
90	27.98	33.4
100	26.4	32.42
110	25.71	31.35
120	21.32	24.88
130	11.39	17.39

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Luminous Flux Table

Total Lamp Lumens: 829.68

Luminaire Efficiency (lm/W): 79.62

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	6.49	6.49	0.78	0.78
10	50.58	57.08	6.88	6.88
20	93.40	150.48	18.14	18.14
30	122.40	272.88	32.89	32.89
40	134.59	407.47	49.11	49.11
50	129.81	537.28	64.76	64.76
60	109.67	646.96	77.97	77.98
70	77.70	724.65	87.34	87.34
80	40.73	765.38	92.25	92.25
90	18.70	784.08	94.50	94.50
100	16.96	801.05	96.55	96.55
110	15.58	816.63	98.42	98.43
120	9.66	826.28	99.59	99.59
130	3.40	829.68	100.00	100.00

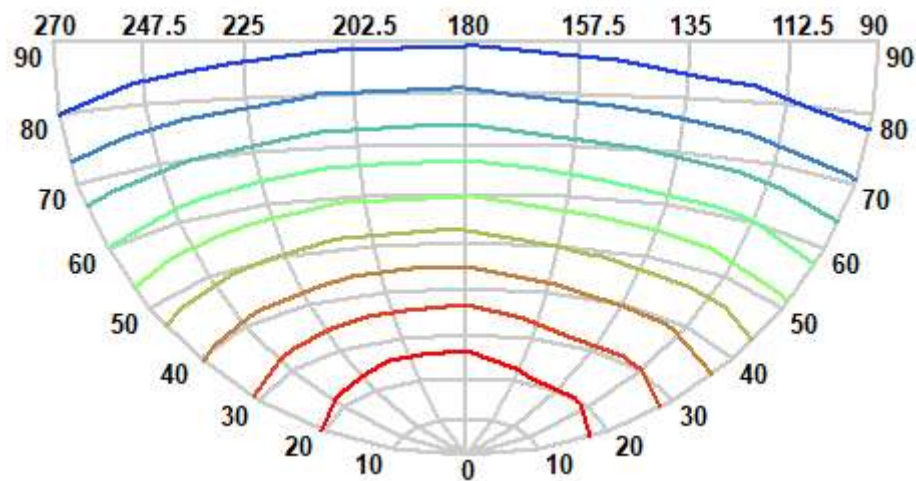
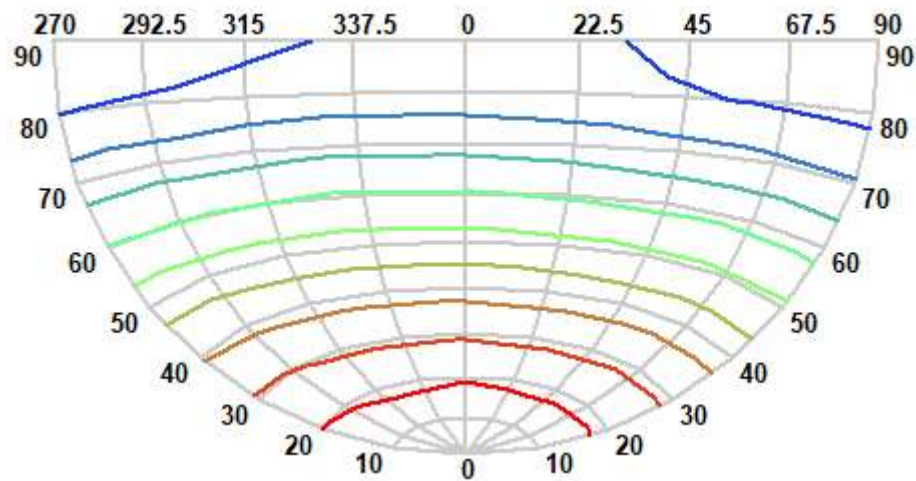
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IsoCandela (Type C)



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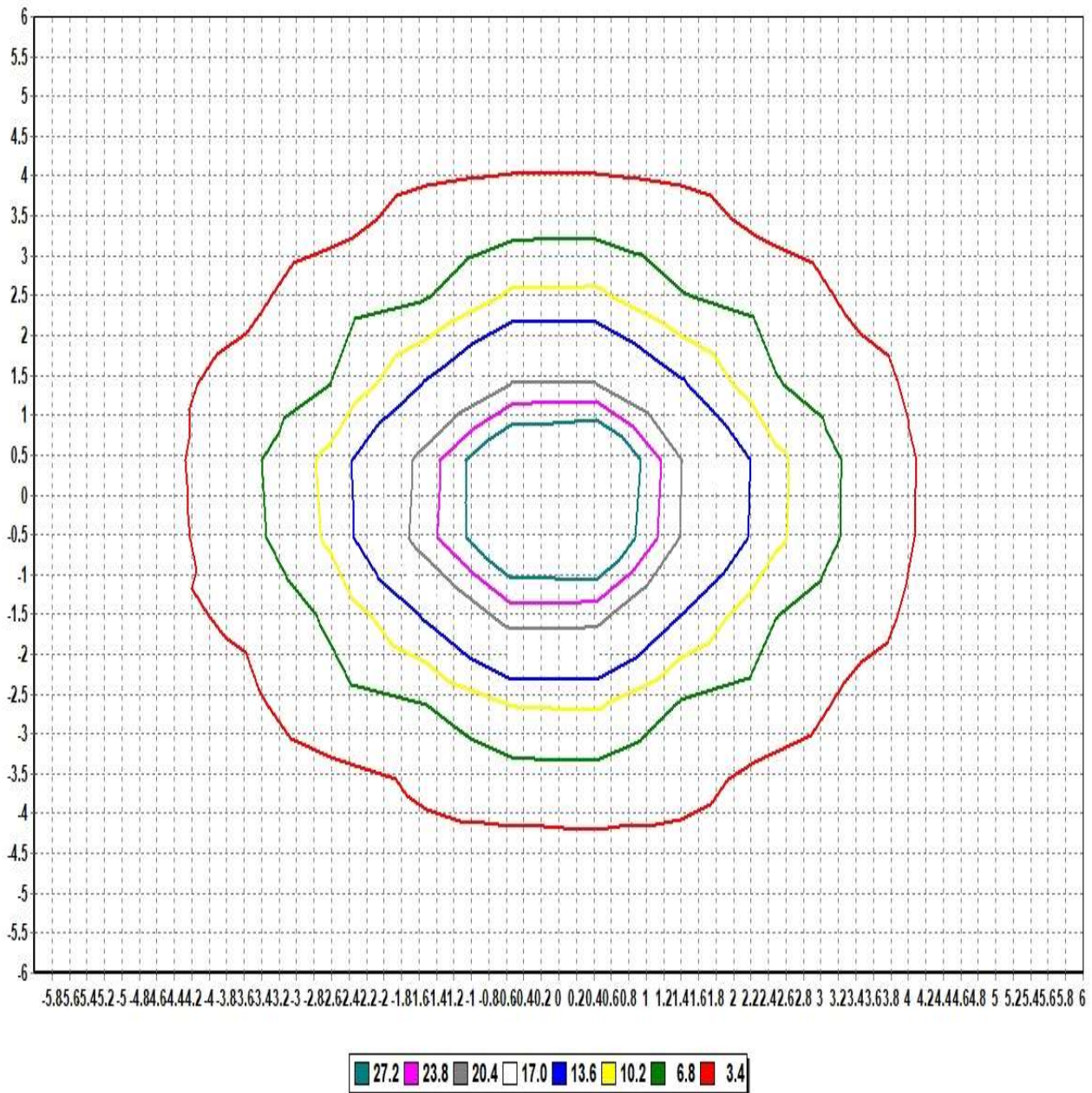
Operator

Total flux (lm) 830

Power Factor 0.9717

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

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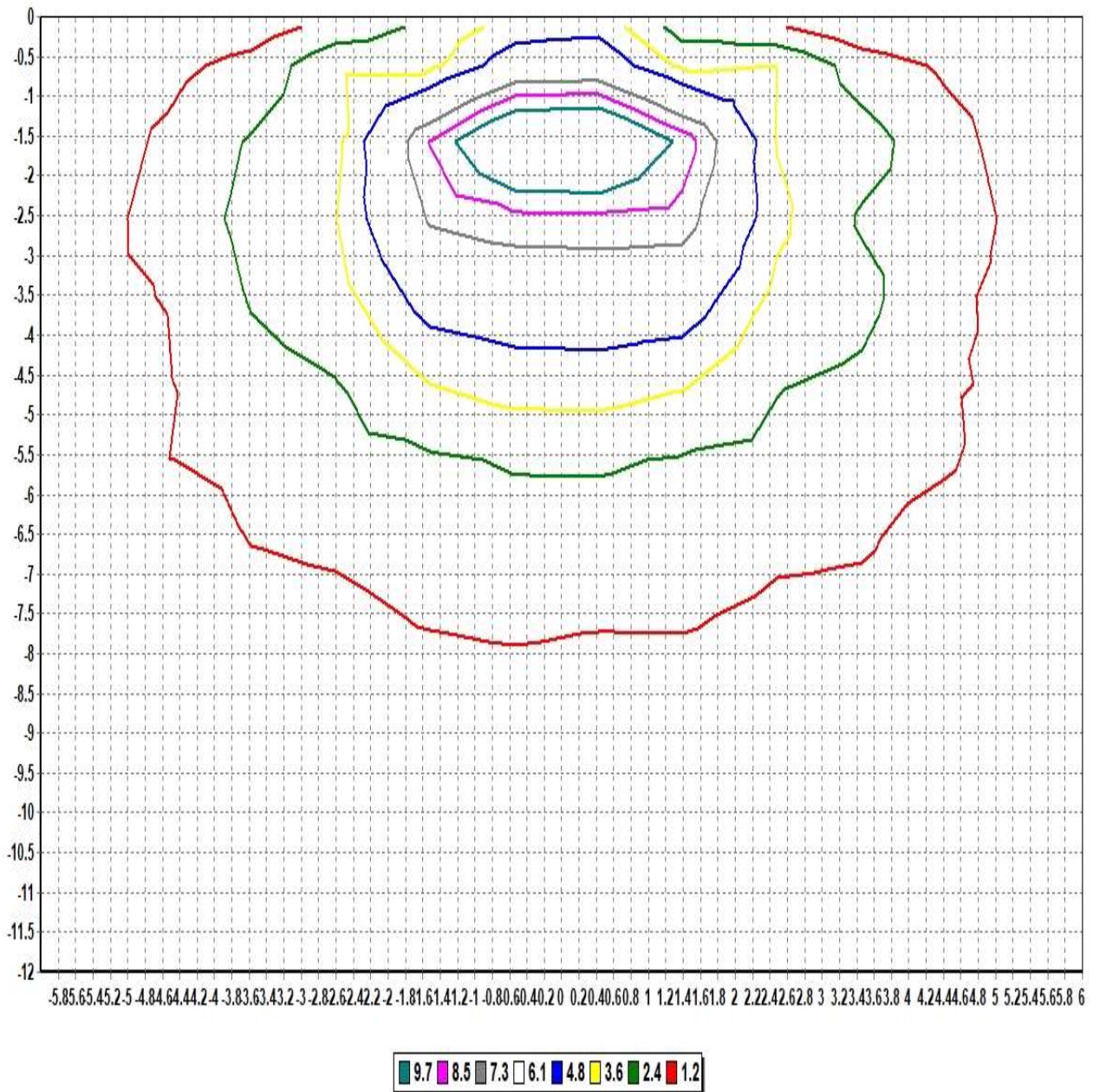
Operator

Total flux (lm) 830

Power Factor 0.9717

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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)

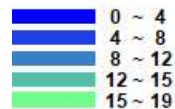
6.00	0.37	0.48	0.37	0.56	0.66	0.70	0.72	0.69	0.65	0.53	0.38	0.48	0.38
5.00	0.56	0.43	0.60	0.80	1.69	1.88	2.00	1.88	1.62	0.83	0.61	0.46	0.51
4.00	0.51	0.75	1.42	2.03	2.21	2.59	2.81	2.59	2.09	2.01	1.43	0.67	0.44
3.00	0.59	1.06	2.26	2.48	5.02	5.66	6.17	5.48	4.98	2.52	2.09	0.94	0.54
2.00	0.75	1.76	2.26	5.47	7.29	11.91	13.73	11.41	7.23	5.10	2.11	1.65	0.68
1.00	1.00	2.28	3.23	5.94	12.03	21.51	29.62	21.24	11.44	5.57	2.81	1.99	0.82
0.00	1.08	2.49	3.66	7.51	15.76	31.09	37.89	30.02	13.95	6.40	3.05	2.10	0.85
-1.00	0.96	2.24	3.21	6.60	13.12	23.34	29.96	21.70	11.70	5.68	2.80	1.99	0.81
-2.00	0.90	1.98	2.63	5.89	8.46	13.04	14.42	11.75	7.44	5.13	2.18	1.69	0.69
-3.00	0.73	1.18	2.48	3.08	5.59	6.41	6.58	5.72	5.27	2.57	2.11	0.94	0.55
-4.00	0.59	0.87	1.72	2.33	2.60	2.92	3.07	2.94	2.18	2.14	1.46	0.68	0.45
-5.00	0.63	0.62	0.78	1.04	1.94	2.08	2.15	2.11	1.69	0.91	0.65	0.45	0.52
-6.00	0.48	0.59	0.51	0.72	0.85	0.82	0.82	0.86	0.68	0.55	0.42	0.51	0.39
-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.) : 37.890

Illum. (Min.) : 0.3652

Illum. (Avg.) : 4.2609

All illuminance level values are in lux.



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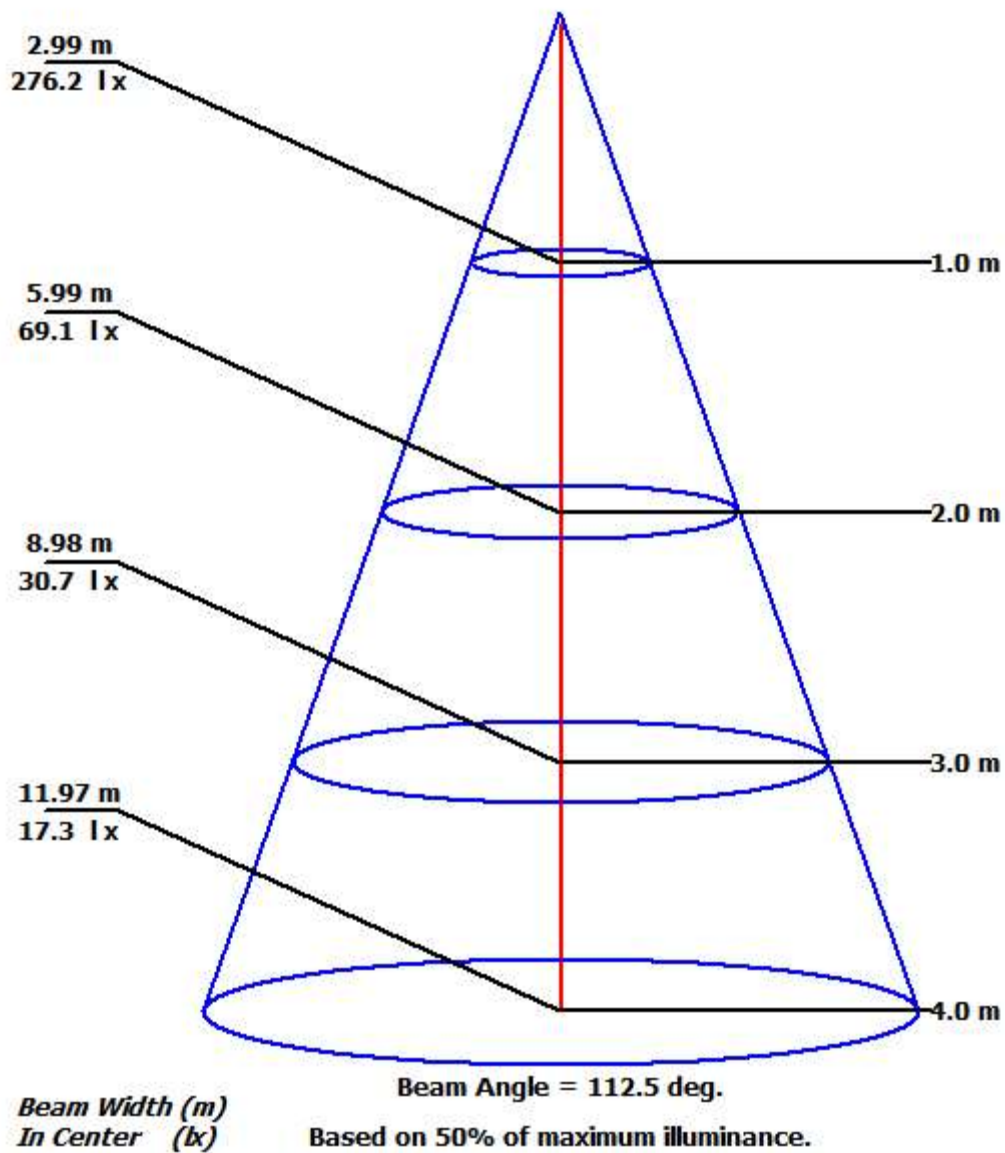
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Illuminance Cone Diagram



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Lamp flux (lm) 830 Current (A) 0.0892

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Total flux (lm) 830 Power Factor 0.9717

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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