

TEST REPORT

1. Applicant

* Client Name :
* Address : 235-48 GWANGJEOK-RO GWANGJEOK-MYEON YANGJU-SI GYENGGI-DO 482-844
* Date of Receipt : 230426

2. Purpose of Report :**3. Number of Report :** 230426**4. Test Standard / Item :** / FN360 24K-24V-1M**5. Test Period :** 230426 ~ 230426**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 reproduced, 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
230426			

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4871 , 0.4213	
Correlated Color Temperature	K	2433	
Ra		94.17	
Power Factor		1.000	
Input Voltage	V	23.948	
Input Current	A	0.419	
Input Watt	W	10.036	
Lamp Flux	lm	477.6	
Efficient	lm/W	47.59	
luminous Intensity (Max , Center)	cd	76 , 76	
Illuminance	lx	76	1 m
		19	2 m
		8	3 m

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

* Sample photo

Click to load image

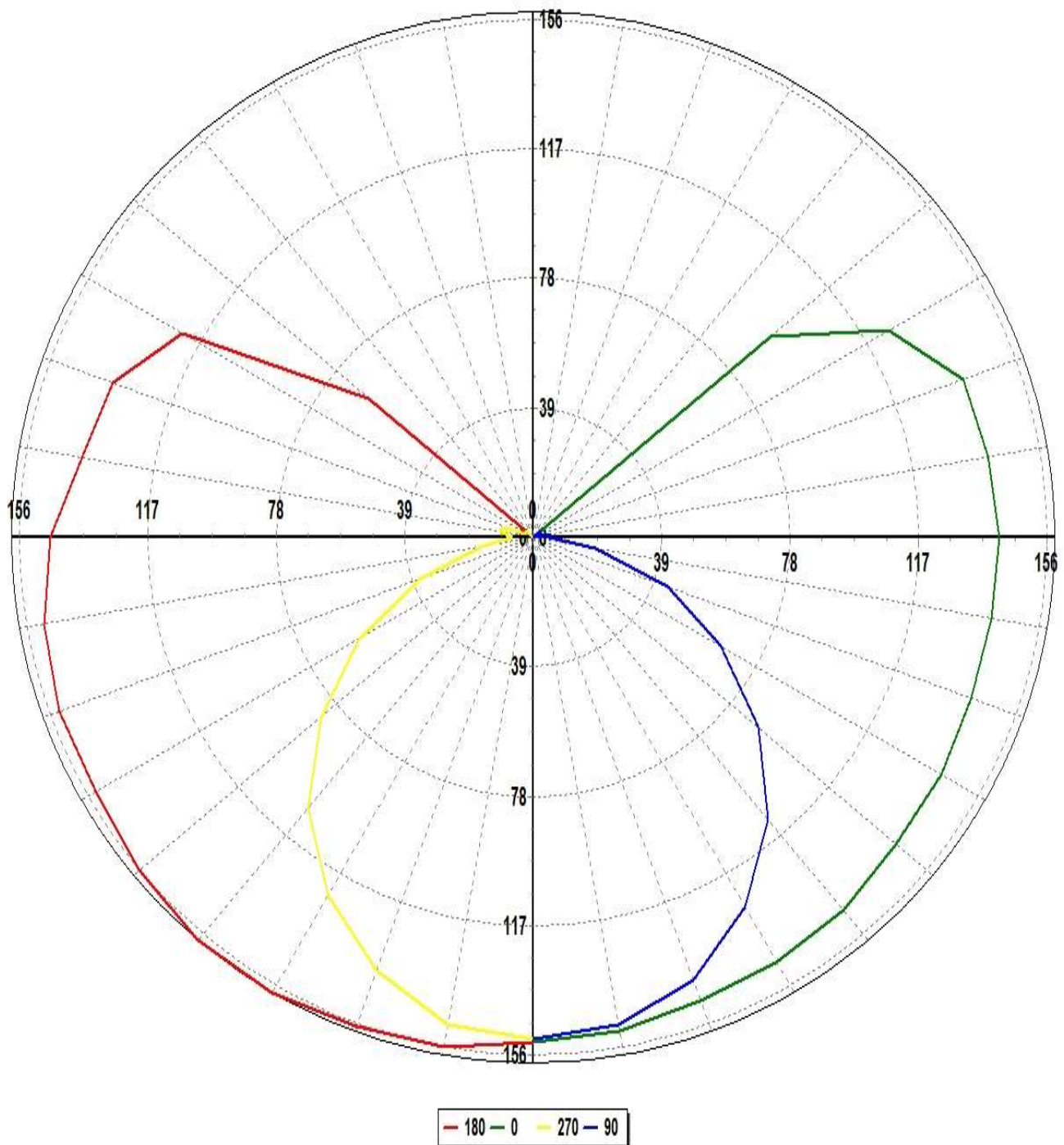
Luminaire KH FEELUX

Lamp

No. of lamps	1	Voltage (V)	23.948
Lamp flux (lm)	478	Current (A)	0.41907
Total flux (lm)	478	Power Factor	1

Report	230426
Filename	FN360 24K-24V-1M.jdt
Operator	
Date	2023-04-26 오후 4:27:14

Luminous Intensity Distribution



Luminaire KH FEELUX

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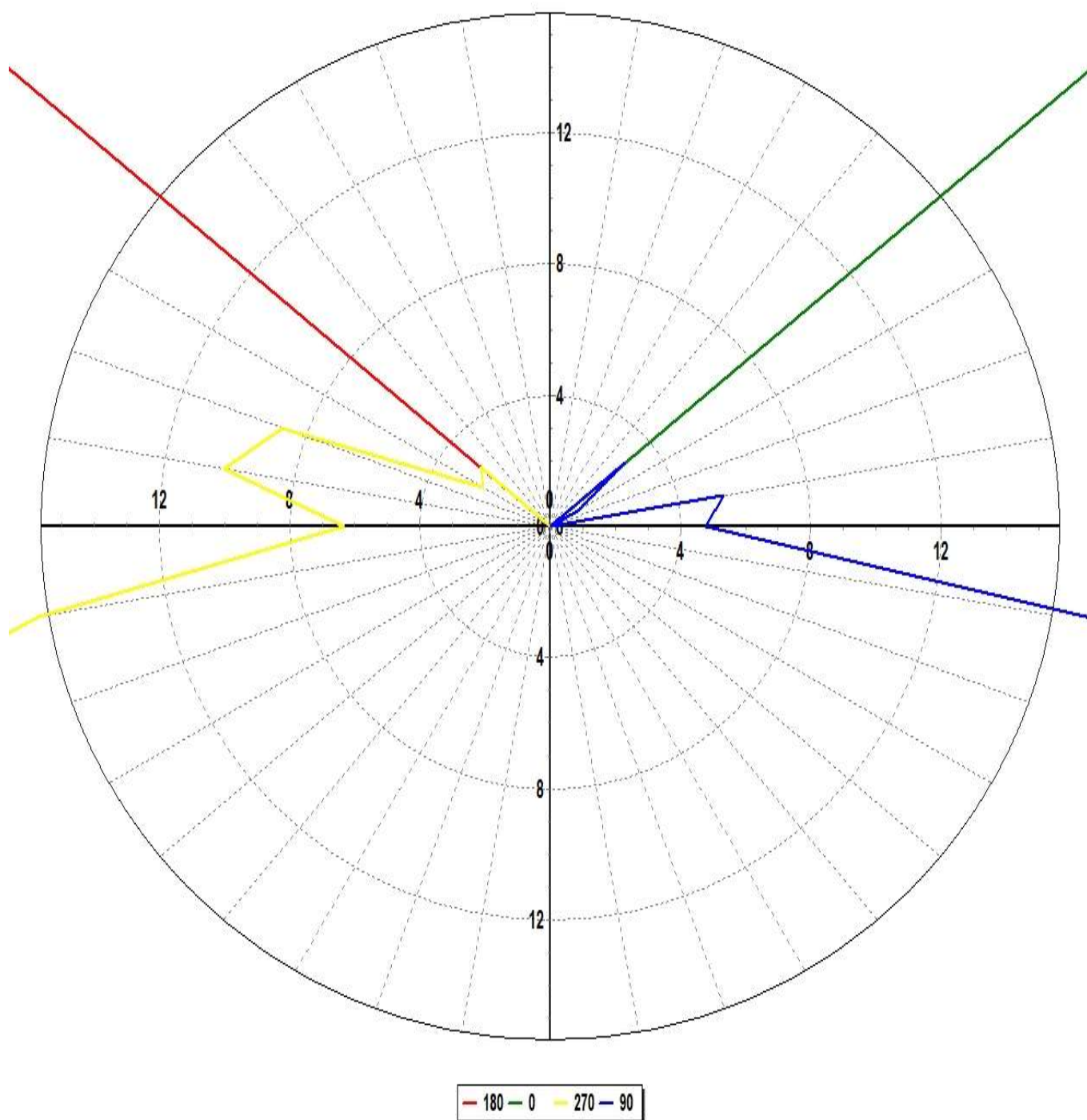
Operator

Total flux (lm) 478

Power Factor 1

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Luminous Intensity Distribution (Lowest 10%)



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Power Factor 1

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Luminous Intensity Data

Maximum (cd) : 76

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300	330	360
0	72.52	72.19	72.32	72.28	72.24	72.46	72.52	72.19	72.32	72.28	72.24	72.46	72.52
10	72.09	71.48	70.75	71.28	72.57	73.85	74.52	72.5	71.4	71.16	70.61	71.23	72.09
20	70.89	69.12	67.87	67.87	71.41	74.03	74.89	73.31	69	66.36	66.73	70.2	70.89
30	70.51	68.05	62.97	61.37	66.41	72.73	75.61	71.7	64.98	59.49	62.11	67.48	70.51
40	70.05	66.06	57.31	52.99	60.33	70.97	75.61	70.37	58.8	50.87	55.61	65.28	70.05
50	68.65	63.88	50.4	42.58	53.01	69.08	74.65	68.06	52.09	40.19	47.82	62.55	68.65
60	68.38	62.33	42.89	31.3	46.97	66.87	73.11	64.74	44.25	29.2	41.26	61.48	68.38
70	67.64	58.75	36.34	20.78	40.02	63.48	73.19	62.96	37.73	17.31	35.75	58.05	67.64
80	67.41	58.02	30.97	9.26	34.29	61.92	71.99	61.3	33.11	7.62	30.8	57.76	67.41
90	67.55	56.94	28.36	2.28	30.95	59.21	69.94	58.62	30.18	3.03	30.59	57.37	67.55
100	66.97	57.19	29.88	2.59	29.5	57.19	66.39	56.73	31.31	4.87	31.99	56.32	66.97
110	66.29	56.37	23.36	-0.09	18.81	54.96	64.91	56.37	22.52	4.19	28.18	57.1	66.29
120	59.42	40.24	5.6	0.47	6.96	36.93	58.68	39.62	7.37	1.13	6.46	42.76	59.42
130	45.02	18.61	17.26	1.43	20.76	6.99	31.17	13.89	18.65	1.34	19.28	27.8	45.02

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Luminous Flux Table

Total Lamp Lumens: 477.63

Luminaire Efficiency (lm/W): 47.59

CIE Classification: Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	1.73	1.73	0.36	0.36
10	13.68	15.41	3.23	3.23
20	26.27	41.69	8.73	8.73
30	36.66	78.35	16.41	16.40
40	44.25	122.60	25.67	25.67
50	48.45	171.05	35.81	35.81
60	50.01	221.06	46.29	46.28
70	49.06	270.12	56.56	56.56
80	47.14	317.26	66.43	66.42
90	45.18	362.44	75.89	75.88
100	44.13	406.57	85.13	85.12
110	38.85	445.41	93.26	93.26
120	24.16	469.57	98.32	98.31
130	8.05	477.63	100.01	100.00

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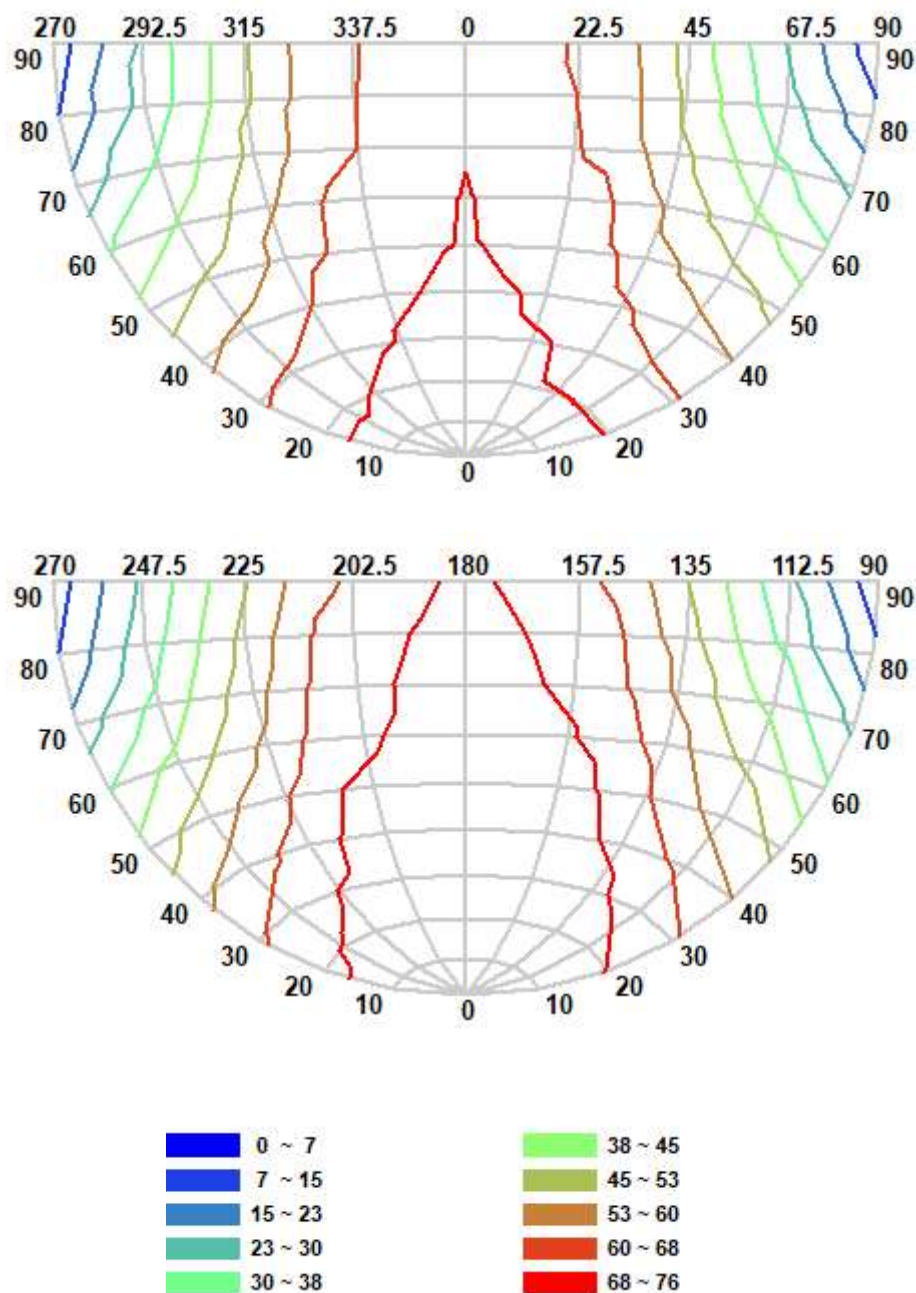
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IsoCandela (Type C)



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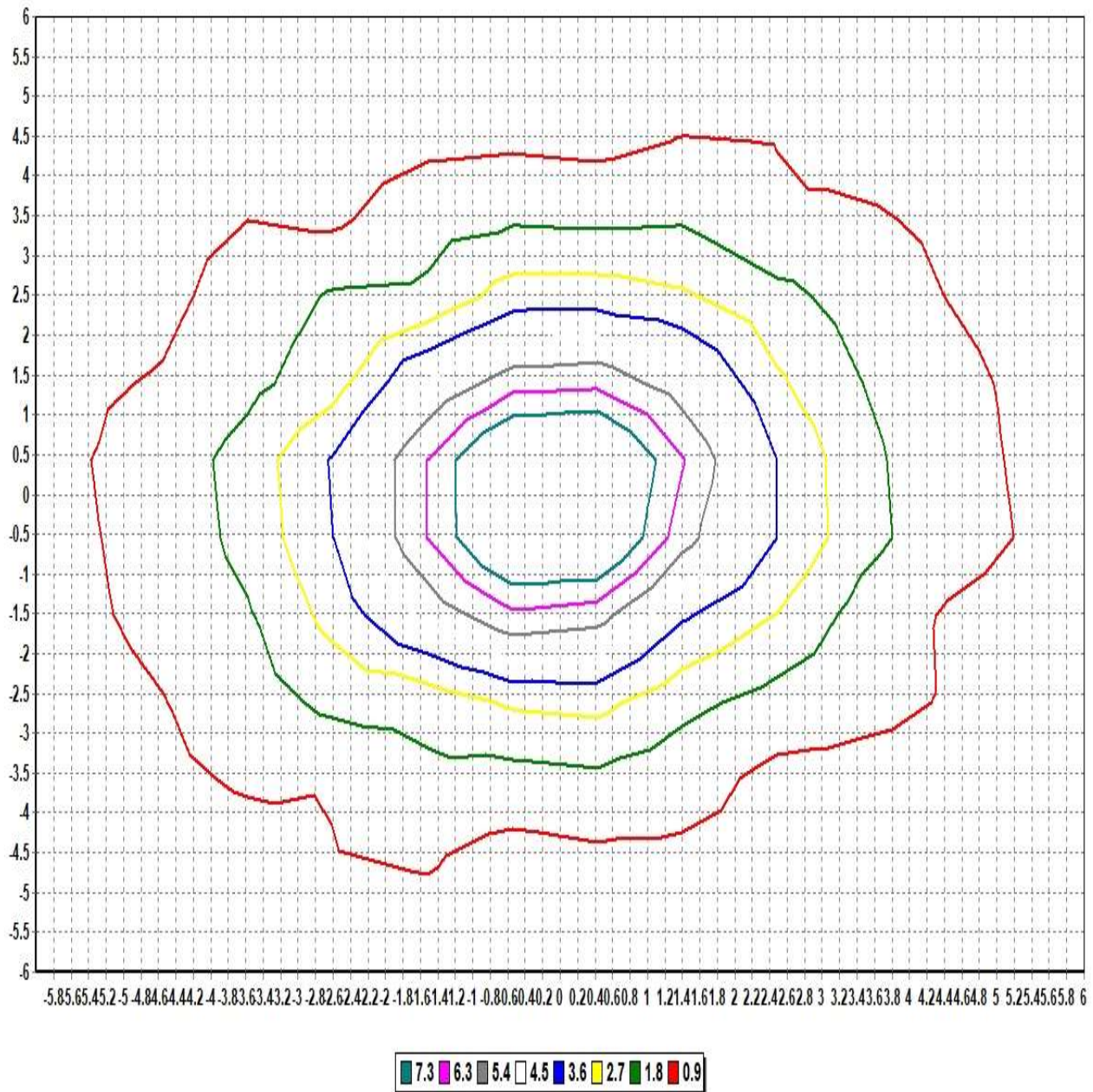
Operator

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Power Factor 1

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

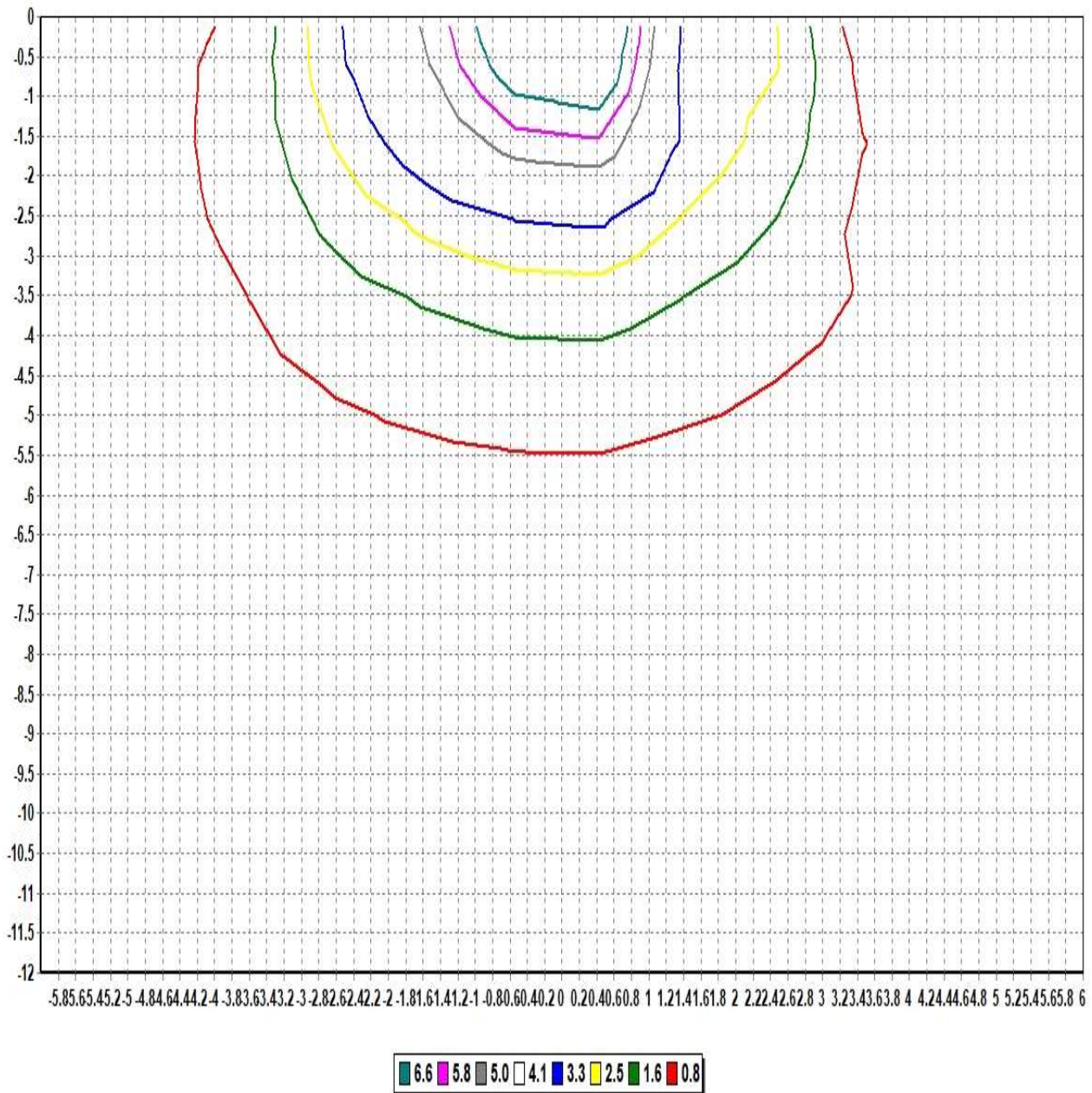
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IsoLux Diagram (Wall)



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	0.14	0.17	0.14	0.28	0.29	0.32	0.24	0.27	0.43	0.41	0.23	0.23	0.25
5.00	0.29	0.19	0.23	0.27	0.59	0.64	0.60	0.61	0.73	0.41	0.36	0.39	0.32
4.00	0.36	0.47	0.48	0.64	0.87	0.91	0.86	0.90	1.14	0.77	0.72	0.53	0.39
3.00	0.31	0.66	0.95	0.88	1.50	1.86	1.83	2.21	1.67	1.39	0.99	0.69	0.43
2.00	0.42	0.69	0.94	2.03	2.31	3.74	3.98	4.08	3.02	2.04	1.20	0.80	0.52
1.00	0.65	1.01	1.60	2.23	3.87	6.22	8.05	6.62	4.17	2.47	1.46	0.91	0.57
0.00	0.69	1.09	1.77	3.07	5.38	8.43	9.95	8.15	5.00	2.83	1.65	1.01	0.64
-1.00	0.62	0.99	1.59	2.65	4.45	7.03	8.03	5.93	3.57	2.02	1.47	0.93	0.60
-2.00	0.56	0.85	1.25	2.20	3.25	4.33	3.83	3.47	2.14	1.86	0.84	0.62	0.38
-3.00	0.46	0.74	1.07	1.48	1.72	2.33	1.74	1.70	1.42	0.79	0.87	0.60	0.28
-4.00	0.43	0.57	0.77	0.80	1.19	0.89	0.81	0.91	0.77	0.59	0.44	0.42	0.33
-5.00	0.34	0.42	0.37	0.42	0.77	0.60	0.57	0.64	0.53	0.24	0.21	0.17	0.26
-6.00	0.26	0.24	0.24	0.43	0.45	0.25	0.21	0.32	0.26	0.25	0.12	0.15	0.13
-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.) : 9.9485

Illum. (Min.) : 0.1192

Illum. (Avg.) : 1.4626

All illuminance level values are in lux.



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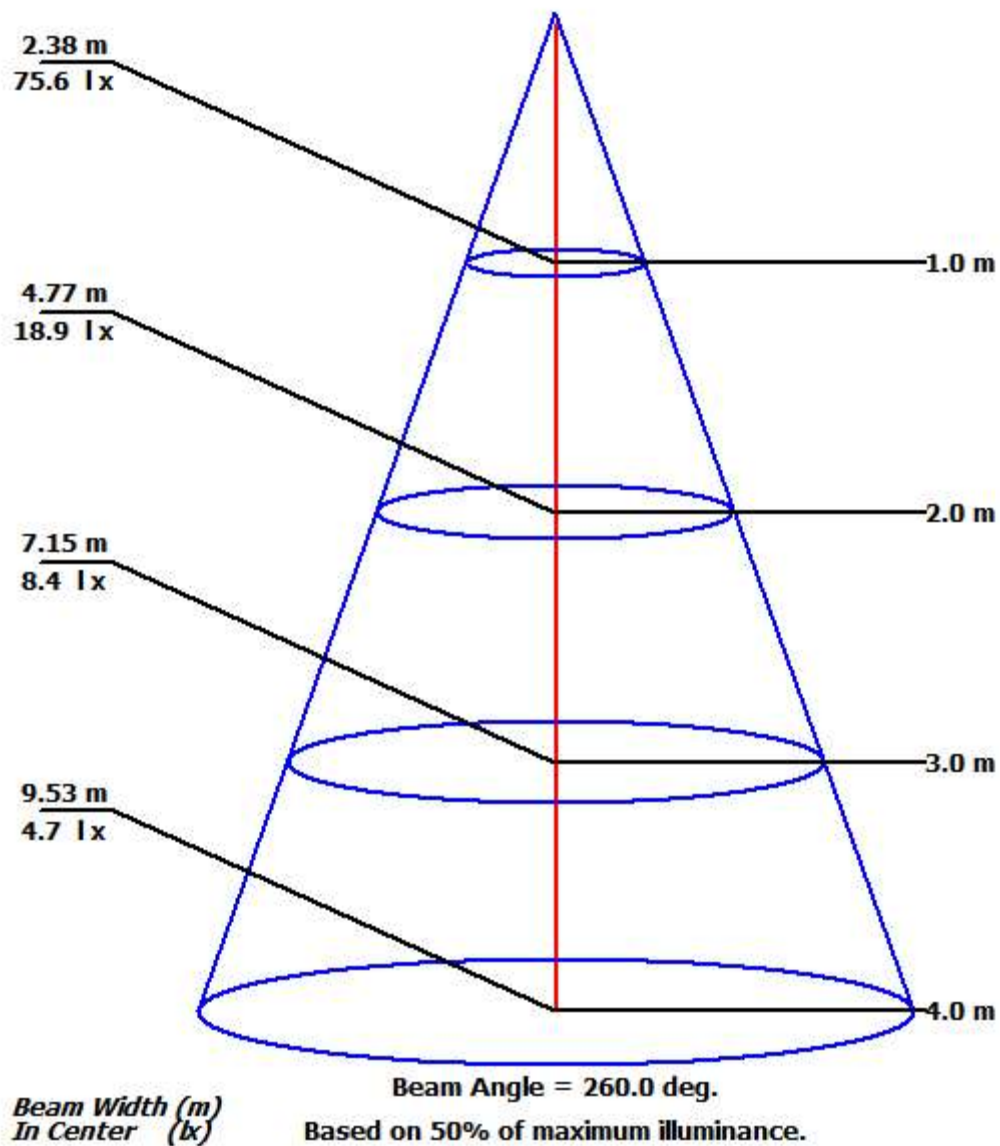
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Illuminance Cone Diagram



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Total flux (lm) 478 Power Factor 1

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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