

TEST REPORT

1. Applicant

* Client Name : FEELUX Co. Ltd.
* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea
* Date of Receipt : 200604

2. Purpose of Report :

3. Number of Report : 200604

4. Test Standard / Item : / 200604 NMP8 40K-24V-BK

5. Test Period : 200604 ~ 200604

6. Test Environment

* Ambient Temp. : 24.8 +- 3 °C
* Relative Humidity : 66.5 +- 10 % RH

7. Test Item

* Name of Product : FEELUX
* Rating :
* Model :

8. Test Result : Refer to the attachment

Confirmation	Test by		Technical manager	
	CGR	Sign	MKOH	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
200604	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.3809 , 0.3763	
Correlated Color Temperature	K	3993	
Ra		92.56	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.319	
Input Watt	W	7.66	
Lamp Flux	lm	530.3	
Efficient	lm/W	69.27	
luminous Intensity (Max , Center)	cd	157 , 157	
Illuminance	lx	157	1 m
		39	2 m
		17	3 m

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

* Sample photo

[Click to load image](#)

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Lamp flux (lm) 530

Current (A) 0.319

Total flux (lm) 530

Power Factor 1

Report

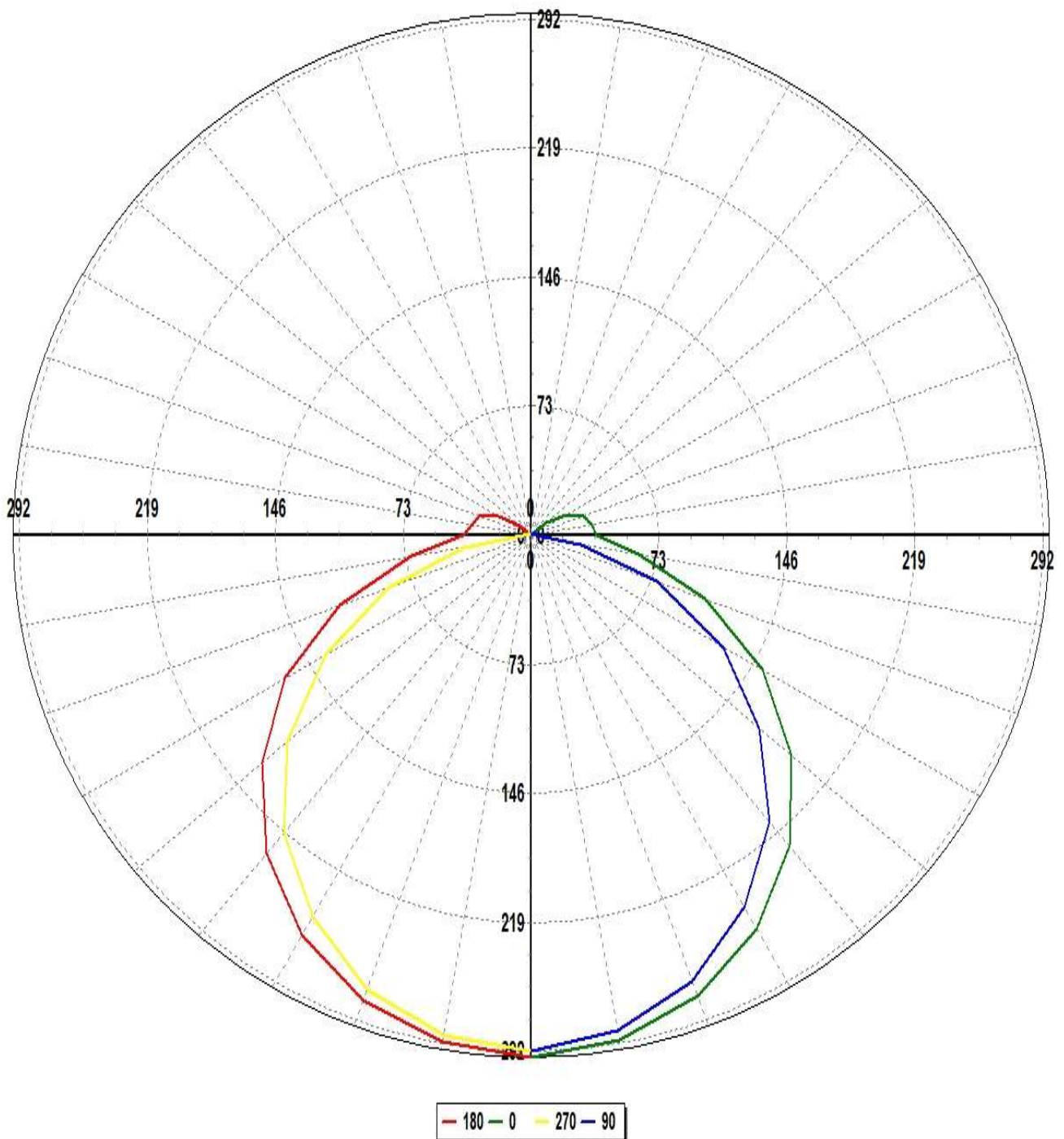
200604

Filename 200604 NMP8 40K-24V-BK.jdt

Operator CGR

Date 2020-06-04 오후 4:45:12

Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

200604

Lamp flux (lm) 530

Current (A) 0.319

Filename 200604 NMP8 40K-24V-BK.jdt

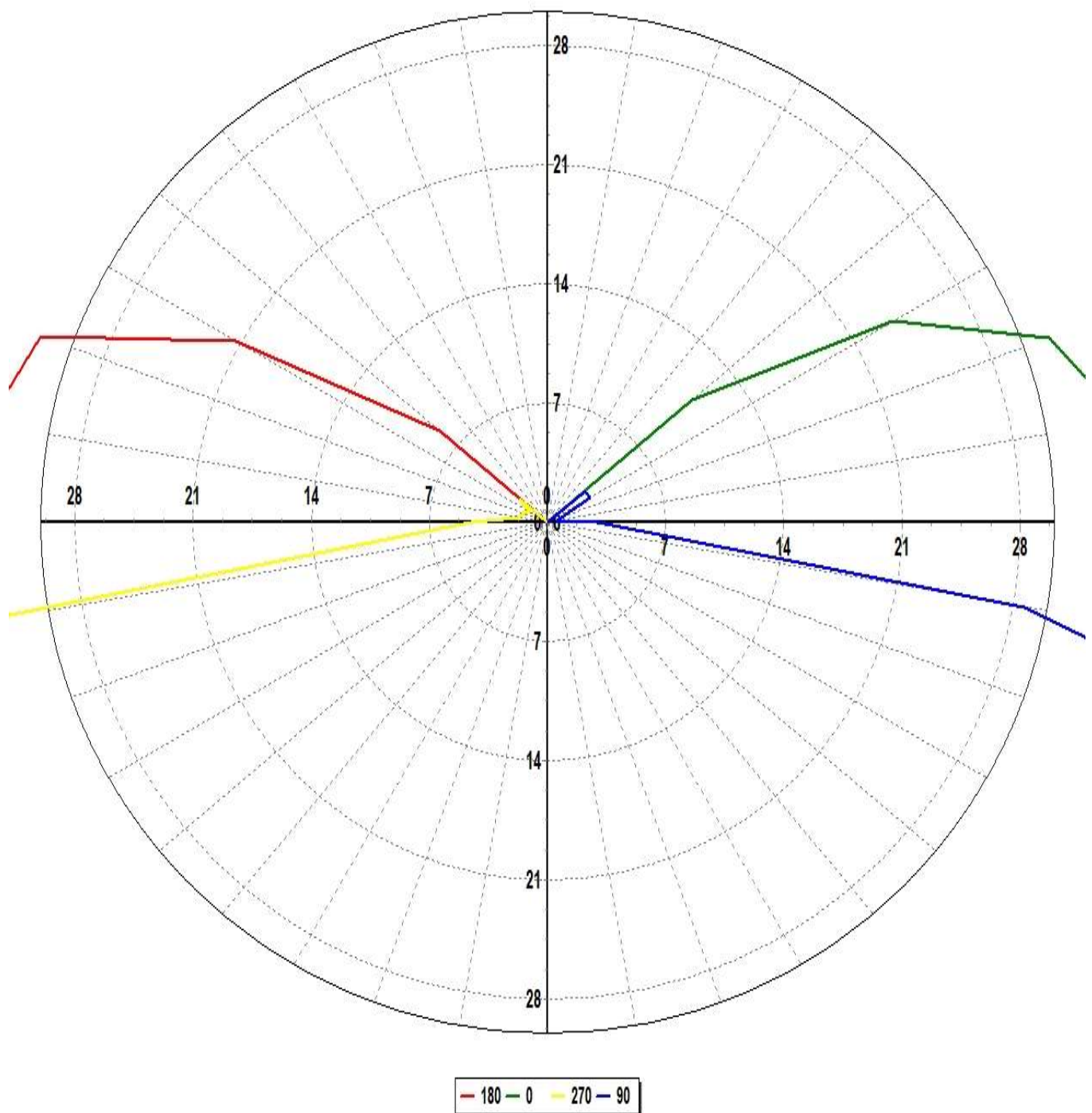
Total flux (lm) 530

Power Factor 1

Operator CGR

Date 2020-06-04 오후 4:45:12

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
Lamp flux (lm)	530	Current (A)	0.319	Filename	200604 NMP8 40K-24V-BK.jdt
Total flux (lm)	530	Power Factor	1	Operator	CGR
				Date	2020-06-04 오후 4:45:12

Luminous Intensity Data

Maximum (cd) : 157

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	156.61	155.16	155.02	154.68	154.12	153.53	156.61	155.16	155.02	154.68	154.12
10	153.59	152.43	151.67	151.06	150.59	150.65	154.44	152.87	152.85	152.14	151.32
20	147.21	145.54	143.33	142.36	143.56	144.21	148.49	147.98	146.12	144.85	144.6
30	136.46	134.12	131.62	128.86	130.93	134	138.44	138.28	134.2	132.15	133.41
40	121.64	118.21	115.08	112.13	115.13	118.41	124.36	122.99	118.21	116.27	117.07
50	102.6	100.25	94.75	89.98	95.33	100.41	106.22	106.17	99.57	96.06	98.5
60	80.79	77.33	72.1	67	73.22	79.07	85.85	84.36	77.16	71.57	76.26
70	56.03	53.48	46.47	40.46	47.4	55.7	61.54	60.59	52.69	45.93	51.69
80	33.06	29.76	21.58	15.22	23.82	31.76	36.72	35.09	27.57	20.6	26.55
90	19.69	16.57	9.13	1.56	9.8	17.39	20.53	17.68	10.3	2.39	10.3
100	18.41	16.06	8.77	0.29	9.76	15.74	17.86	16.19	9.24	0.93	9.74
110	16.78	14.9	7.35	0.45	7.46	14.55	16.94	14.95	8.27	0.8	9.09
120	12.51	13.27	1.36	1.55	1.47	13.83	11.3	13.2	0.92	0.64	1.3
130	5.91	3.71	3.84	1.54	4.29	2.3	4.43	5.57	4.19	1.15	4.51

Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200604
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Total flux (lm)	530	Power Factor	1	Operator	CGR
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Luminous Intensity Data (Continued)

Maximum (cd) : 157

Minimum (cd) : 0

G/C	330	360
0	153.53	156.61
10	151.48	153.59
20	145.9	147.21
30	136.02	136.46
40	121.25	121.64
50	102.51	102.6
60	81.76	80.79
70	57.85	56.03
80	33.56	33.06
90	17.86	19.69
100	15.74	18.41
110	15.41	16.78
120	13.57	12.51
130	5.18	5.91

Luminaire

Lamp

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Luminous Flux Table

Total Lamp Lumens:	530
Luminaire Efficiency (lm/W):	530.32
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.70	3.70	0.70	0.70
10	28.93	32.63	6.15	6.15
20	54.45	87.07	16.42	16.42
30	73.40	160.48	30.26	30.26
40	83.35	243.83	45.98	45.98
50	83.37	327.19	61.70	61.70
60	73.23	400.42	75.51	75.51
70	54.02	454.44	85.69	85.69
80	30.14	484.58	91.38	91.37
90	13.98	498.56	94.01	94.01
100	12.47	511.03	96.37	96.36
110	10.89	521.91	98.42	98.42
120	6.71	528.63	99.68	99.68
130	1.69	530.32	100.00	100.00

Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

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Lamp flux (lm) 530

Current (A) 0.319

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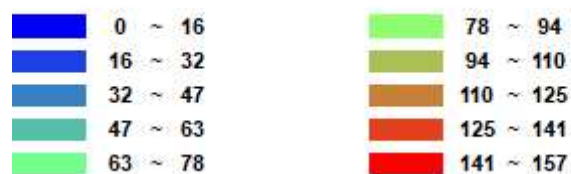
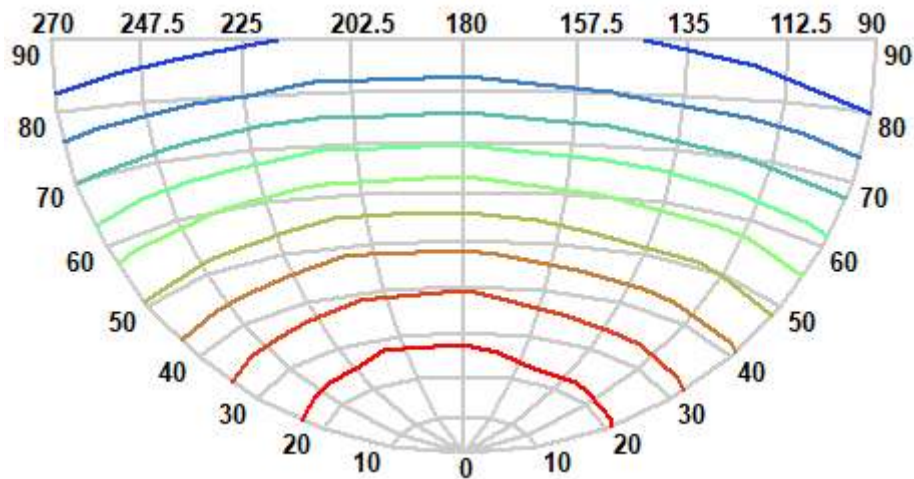
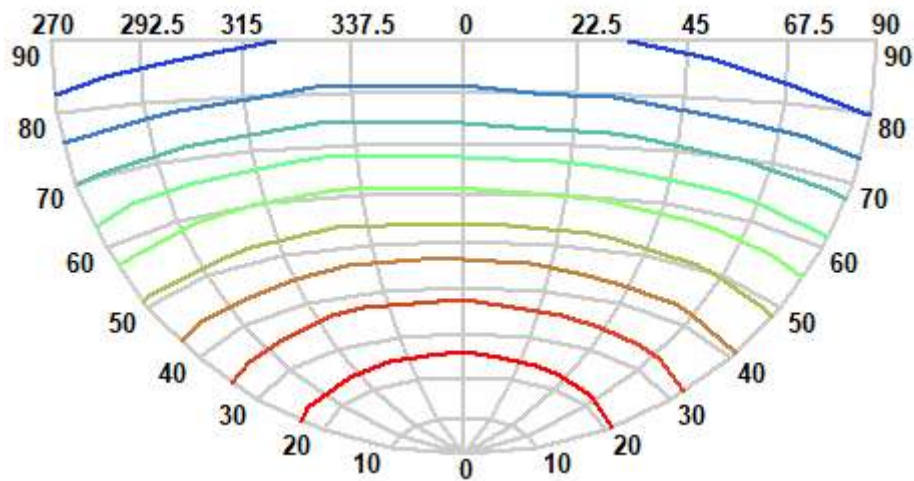
Total flux (lm) 530

Power Factor 1

Operator CGR

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IsoCandela (Type C)



Luminaire

Lamp

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Lamp flux (lm) 530

Current (A) 0.319

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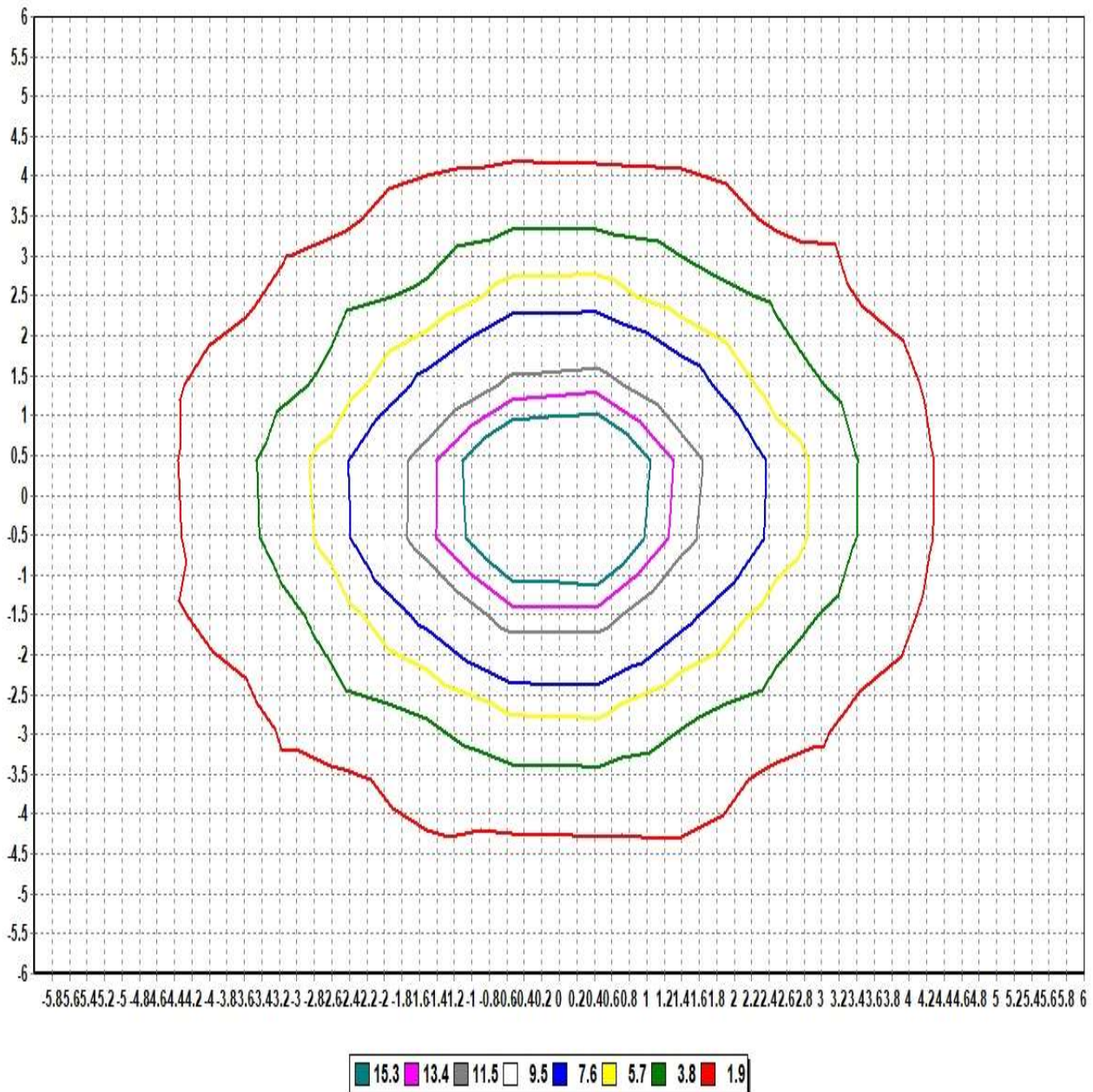
Total flux (lm) 530

Power Factor 1

Operator CGR

Date 2020-06-04 오후 4:45:12

IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

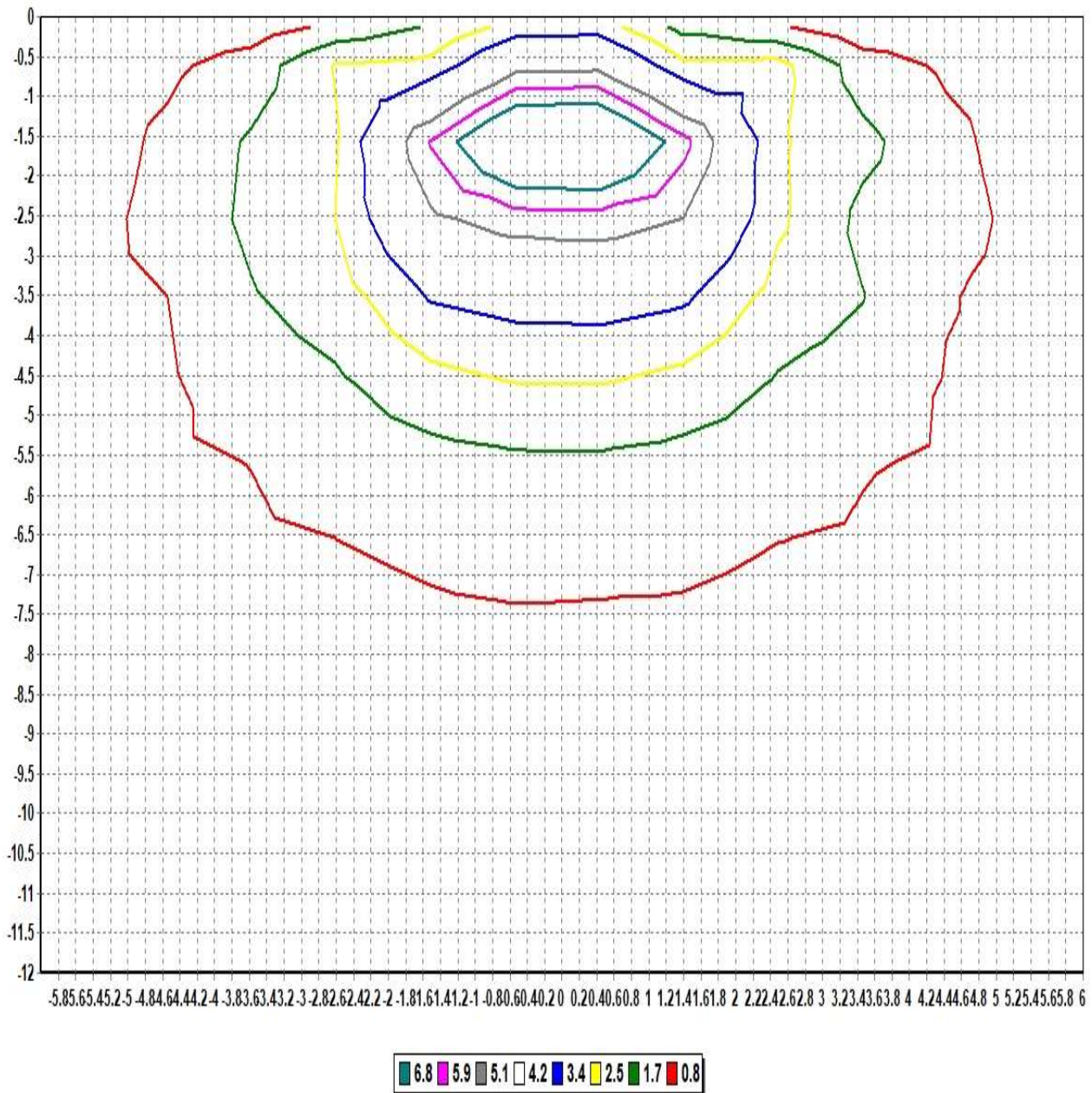
Total Optical Solution Provider

Luminaire

Lamp

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Total flux (lm)	530	Power Factor	1	Operator	CGR
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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

Lamp

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Total flux (lm)	530	Power Factor	1

Report 200604

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Illuminance Levels (Ground)

6.00	0.24	0.32	0.25	0.37	0.44	0.50	0.49	0.48	0.49	0.41	0.29	0.34	0.28
5.00	0.36	0.29	0.40	0.54	1.07	1.24	1.27	1.22	1.12	0.60	0.45	0.35	0.37
4.00	0.33	0.48	0.90	1.29	1.42	1.74	1.83	1.73	1.50	1.36	1.00	0.50	0.34
3.00	0.38	0.68	1.41	1.61	3.12	3.54	3.88	3.72	3.22	1.80	1.45	0.69	0.42
2.00	0.48	1.10	1.45	3.32	4.53	7.23	8.39	7.42	4.89	3.40	1.52	1.15	0.51
1.00	0.63	1.40	2.02	3.69	7.27	12.68	17.06	13.15	7.47	3.83	1.99	1.38	0.61
0.00	0.68	1.51	2.26	4.51	9.20	17.45	21.48	17.35	9.02	4.37	2.15	1.46	0.63
-1.00	0.61	1.38	2.01	4.02	7.75	13.41	17.18	12.93	7.40	3.79	1.99	1.38	0.61
-2.00	0.57	1.22	1.65	3.50	5.09	7.71	8.67	7.37	4.71	3.39	1.50	1.14	0.51
-3.00	0.47	0.75	1.51	1.92	3.34	3.92	4.11	3.70	3.25	1.69	1.44	0.70	0.41
-4.00	0.37	0.55	1.06	1.43	1.63	1.84	1.96	1.85	1.48	1.36	0.95	0.51	0.35
-5.00	0.40	0.39	0.50	0.66	1.20	1.30	1.35	1.31	1.11	0.60	0.44	0.32	0.37
-6.00	0.30	0.37	0.32	0.46	0.54	0.53	0.54	0.55	0.48	0.40	0.28	0.34	0.26
-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.) : 21.5

Illum. (Min.) : 0.24

Illum. (Avg.) : 2.63

All illuminance level values are in lux.



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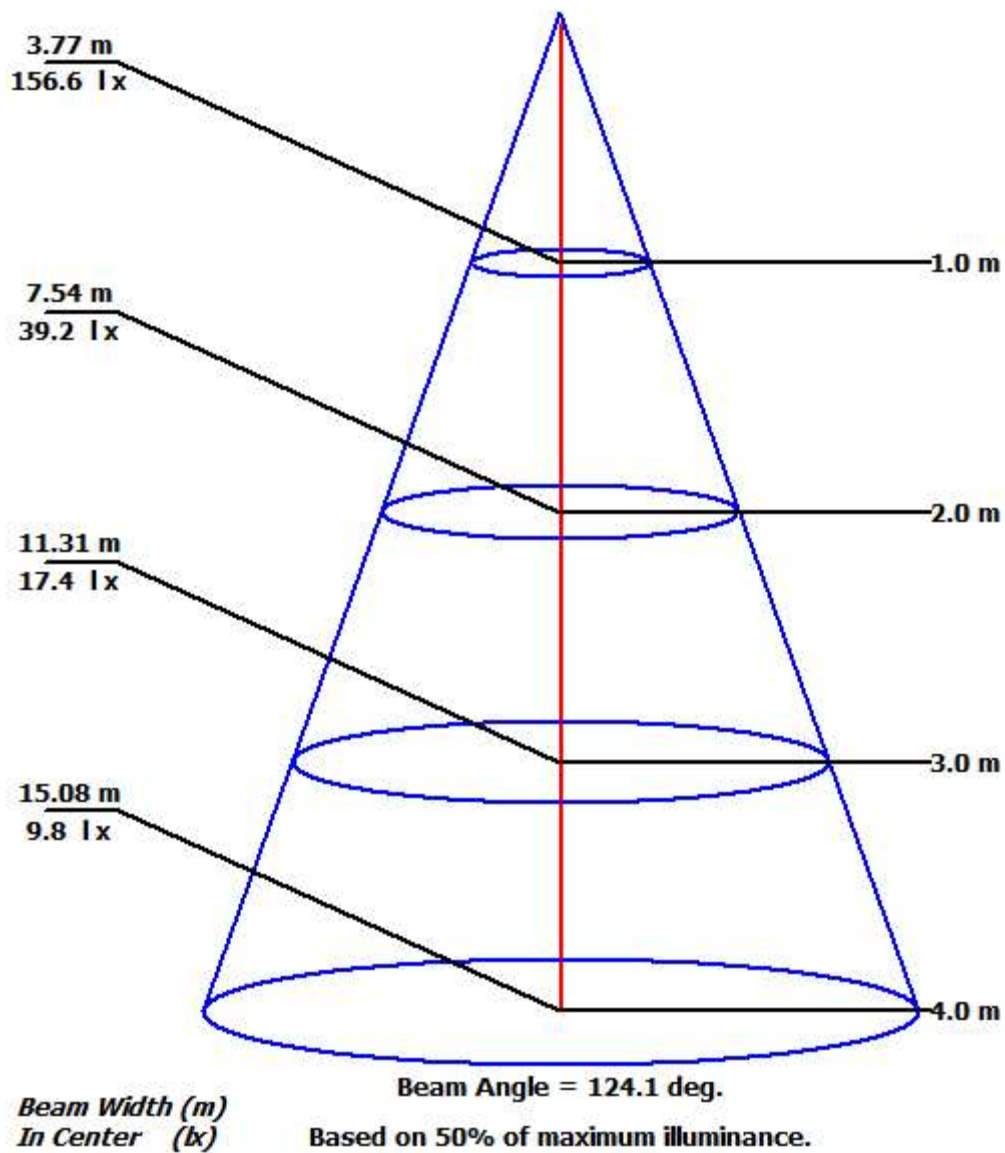
Total flux (lm) 530

Power Factor 1

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Illuminance Cone Diagram





Luminaire

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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

