

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 : 200629

2. Purpose of Report :

3. Number of Report : 200629

4. Test Standard / Item : / 200629 NMP8 27K-24V-BK

5. Test Period : 200629 ~ 200629

6. Test Environment

* Ambient Temp. : 25.2 +- 3 °C
* Relative Humidity : 70.0 +- 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
200629	FEELUX	FEELUX	

Test Item	Unit	Result	Notice
Beam Distribution Test		See Attachement	
ATHD	%	0.0	
CIE 1931 Cx, Cy		0.4586 , 0.4090	
Correlated Color Temperature	K	2721	
Ra		91.96	
Power Factor		1.000	
Input Voltage	V	24.000	
Input Current	A	0.323	
Input Watt	W	7.76	
Lamp Flux	lm	485.1	
Efficient	lm/W	62.58	
luminous Intensity (Max , Center)	cd	143 , 143	
Illuminance	lx	143	1 m
		36	2 m
		16	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

Report

200629

Lamp flux (lm) 485

Current (A) 0.323

Filename 200629 NMP8 27K-24V-BK.jdt

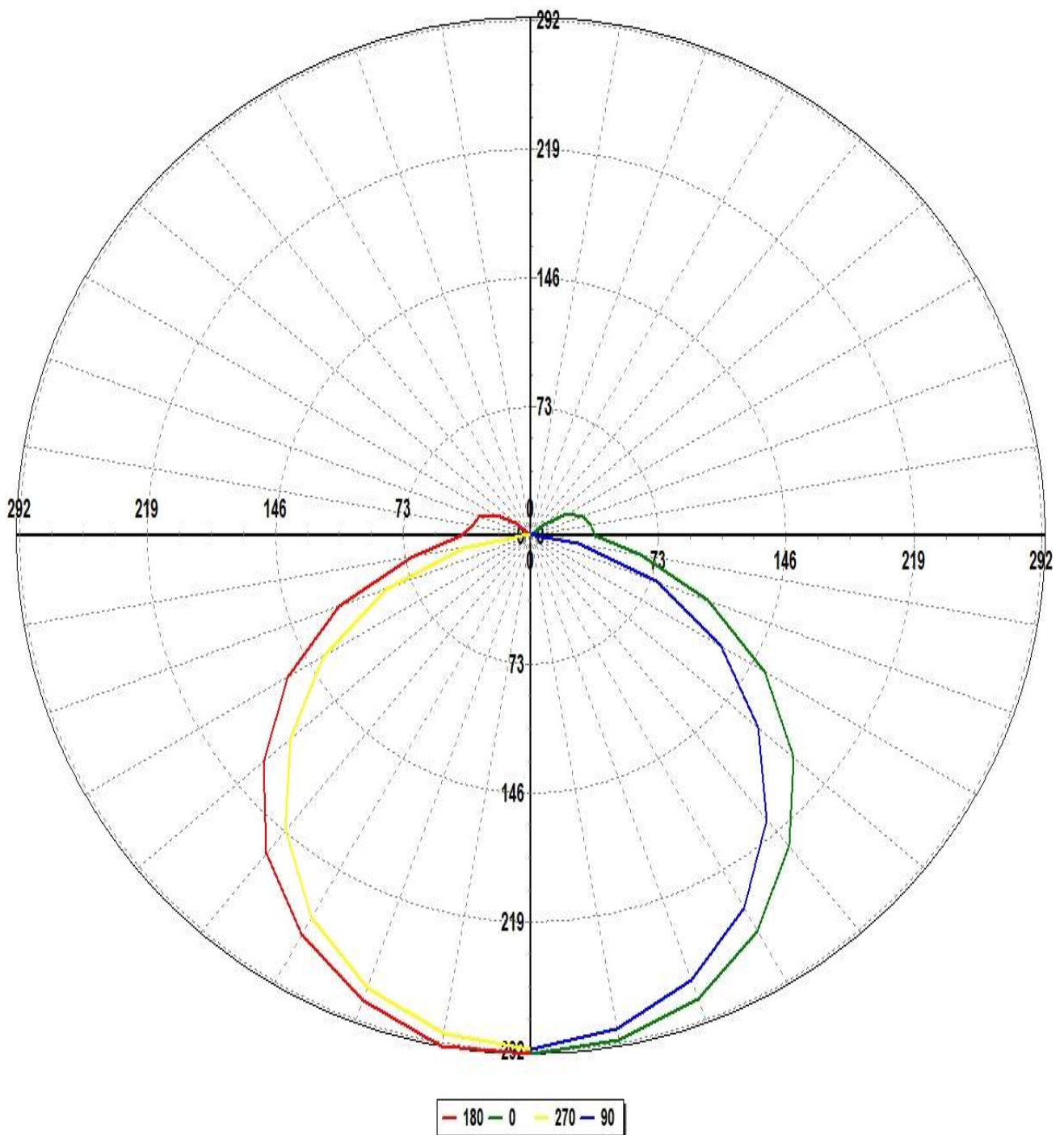
Total flux (lm) 485

Power Factor 1

Operator CGR

Date 2020-06-29 오후 2:21:29

Luminous Intensity Distribution



Luminaire

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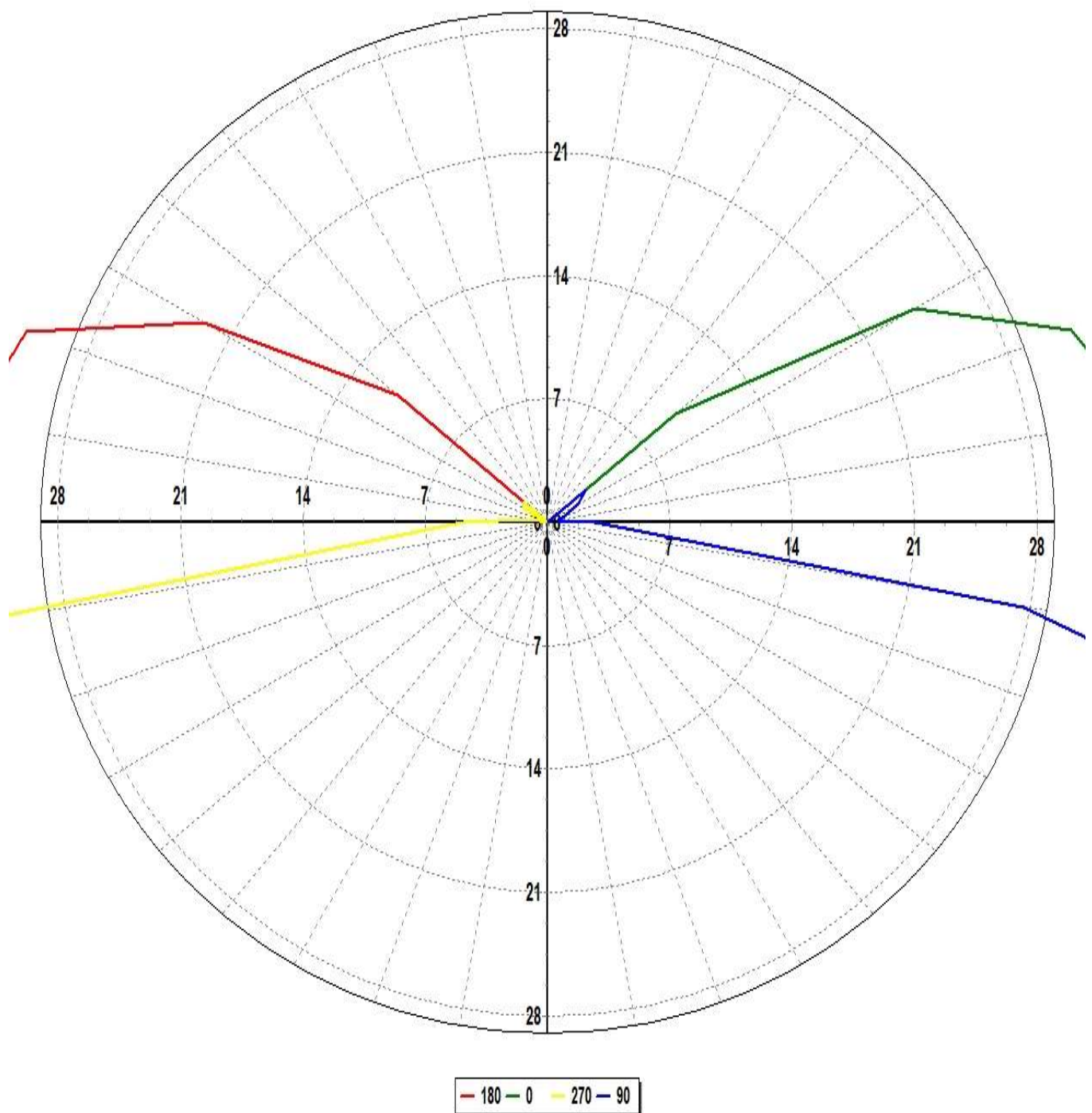
Total flux (lm) 485

Power Factor 1

Operator CGR

Date 2020-06-29 오후 2:21:29

Luminous Intensity Distribution (Lowest 10%)



Luminaire

Lamp

No. of lamps	1	Voltage (V)	24	Report	200629
Lamp flux (lm)	485	Current (A)	0.323	Filename	200629 NMP8 27K-24V-BK.jdt
Total flux (lm)	485	Power Factor	1	Operator	CGR
				Date	2020-06-29 오후 2:21:29

Luminous Intensity Data

Maximum (cd) : 143

Minimum (cd) : 0

G/C	0	30	60	90	120	150	180	210	240	270	300
0	142.63	142.1	140.98	141.28	140.65	140.48	142.63	142.1	140.98	141.28	140.65
10	140.9	139.66	139.18	137.81	137.75	138.27	142.52	140.69	140.29	139.02	138.34
20	135.5	133.76	131.7	130.28	130.99	132.48	136.04	135.99	133.65	132.45	132.5
30	125.55	123.54	120.2	118.1	120.01	121.72	126.8	125.74	123.08	121.47	121.76
40	111.39	108.97	105.22	101.9	104.66	108.85	114.08	112.81	108.41	105.76	107.44
50	94.99	91.19	87.23	82.13	86.59	90.87	96.67	96.5	90.74	86.99	90.12
60	74.96	71.38	65.78	60.8	66.31	71.37	77.67	76.53	70.89	66.37	70.08
70	52.3	49.16	42.64	37.1	43.14	49.33	56.49	54.7	48.6	42.43	47.08
80	30.85	26.94	20.36	13.41	21.33	28.55	33.79	31.84	25.42	18.69	24.61
90	17.69	14.74	8.69	1.3	8.6	15.58	19.19	17.09	9.38	2.32	9.18
100	16.78	14.23	8.16	0.29	8.65	14.36	16.2	14.5	8.06	0.4	9.45
110	15.47	13.9	7.74	0.5	7.35	13.13	15.39	14.22	9.2	-0.22	8.6
120	11.77	11.74	1.4	0.99	0.42	12.22	11.03	12.73	0.95	0.76	0.82
130	4.65	2.88	4.06	1.4	3.69	2.78	5.42	4.68	4.53	0.87	4.03

Luminaire

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Luminous Intensity Data (Continued)

Maximum (cd) : 143

Minimum (cd) : 0

G/C	330	360
0	140.48	142.63
10	139.18	140.9
20	133.12	135.5
30	123.84	125.55
40	110.73	111.39
50	94.2	94.99
60	74.62	74.96
70	53.05	52.3
80	30.93	30.85
90	15.8	17.69
100	14.27	16.78
110	13.06	15.47
120	12.09	11.77
130	5.18	4.65



Luminaire

Lamp

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Luminous Flux Table

Total Lamp Lumens:	485
Luminaire Efficiency (lm/W):	485.06
CIE Classification:	Direct

Elevation	Lumens	Cumulative	Lamp %	Luminaire %
0	3.38	3.38	0.70	0.70
10	26.52	29.90	6.16	6.17
20	49.90	79.80	16.45	16.45
30	67.17	146.97	30.30	30.30
40	76.28	223.25	46.02	46.02
50	76.08	299.33	61.71	61.71
60	66.93	366.26	75.50	75.51
70	49.40	415.66	85.69	85.69
80	27.57	443.23	91.37	91.38
90	12.74	455.97	93.99	94.00
100	11.27	467.23	96.32	96.32
110	10.15	477.38	98.41	98.42
120	6.08	483.46	99.66	99.67
130	1.60	485.06	99.99	100.00



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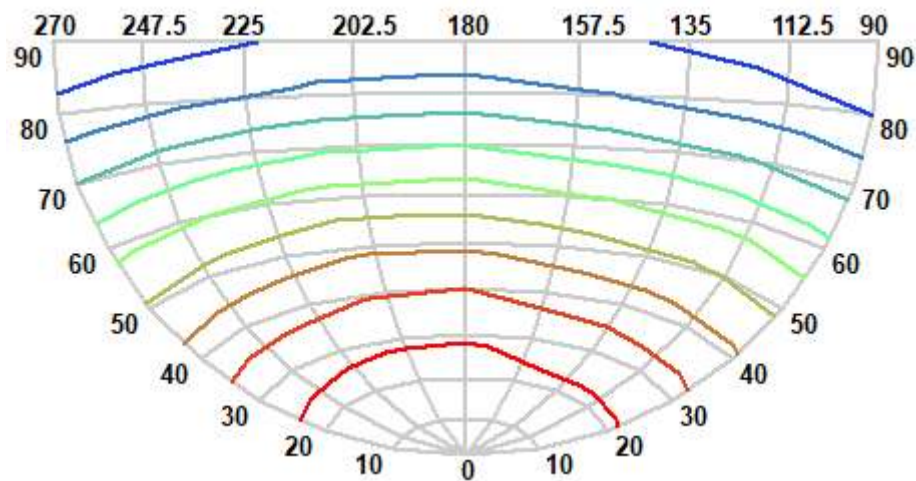
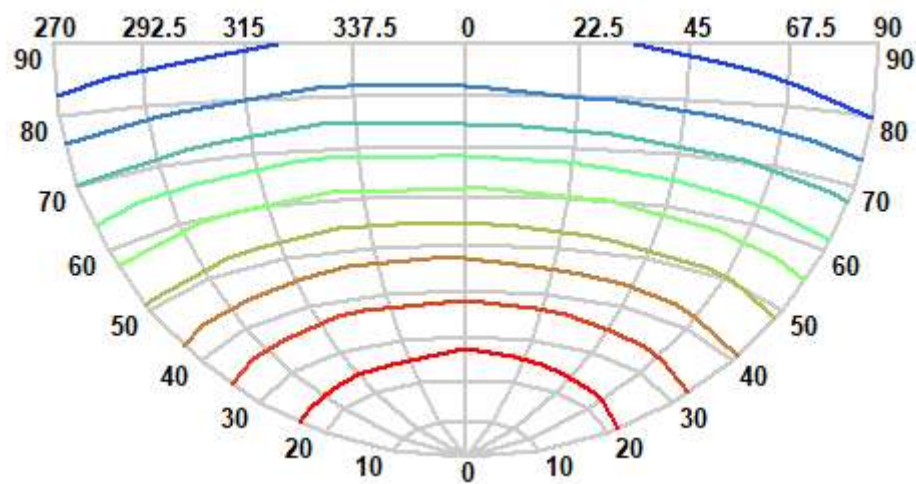
Total flux (lm) 485

Power Factor 1

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IsoCandela (Type C)



0 ~ 14
14 ~ 28
28 ~ 43
43 ~ 57
57 ~ 71

71 ~ 85
85 ~ 100
100 ~ 114
114 ~ 128
128 ~ 143

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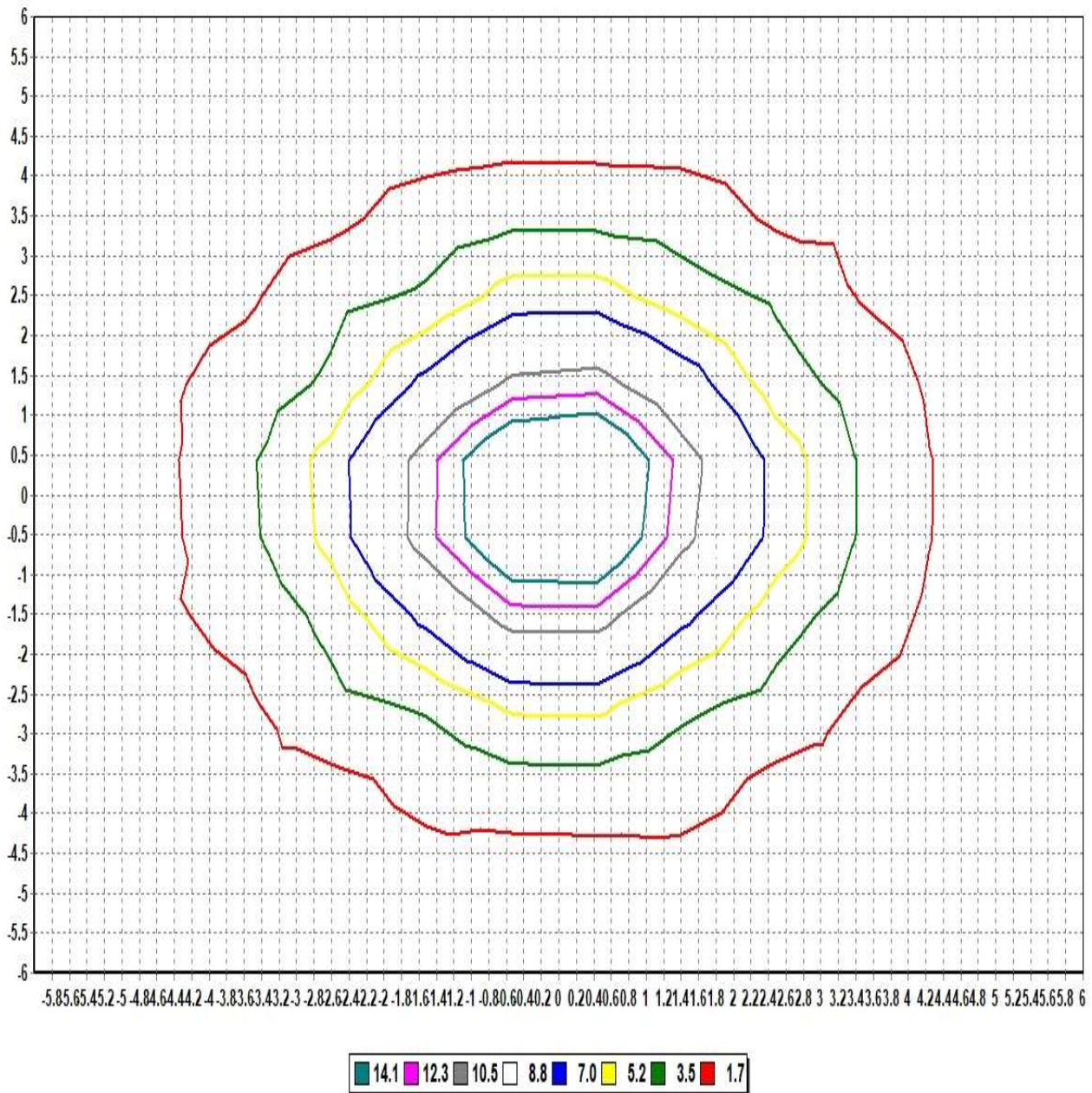
Total flux (lm) 485

Power Factor 1

Operator CGR

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IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

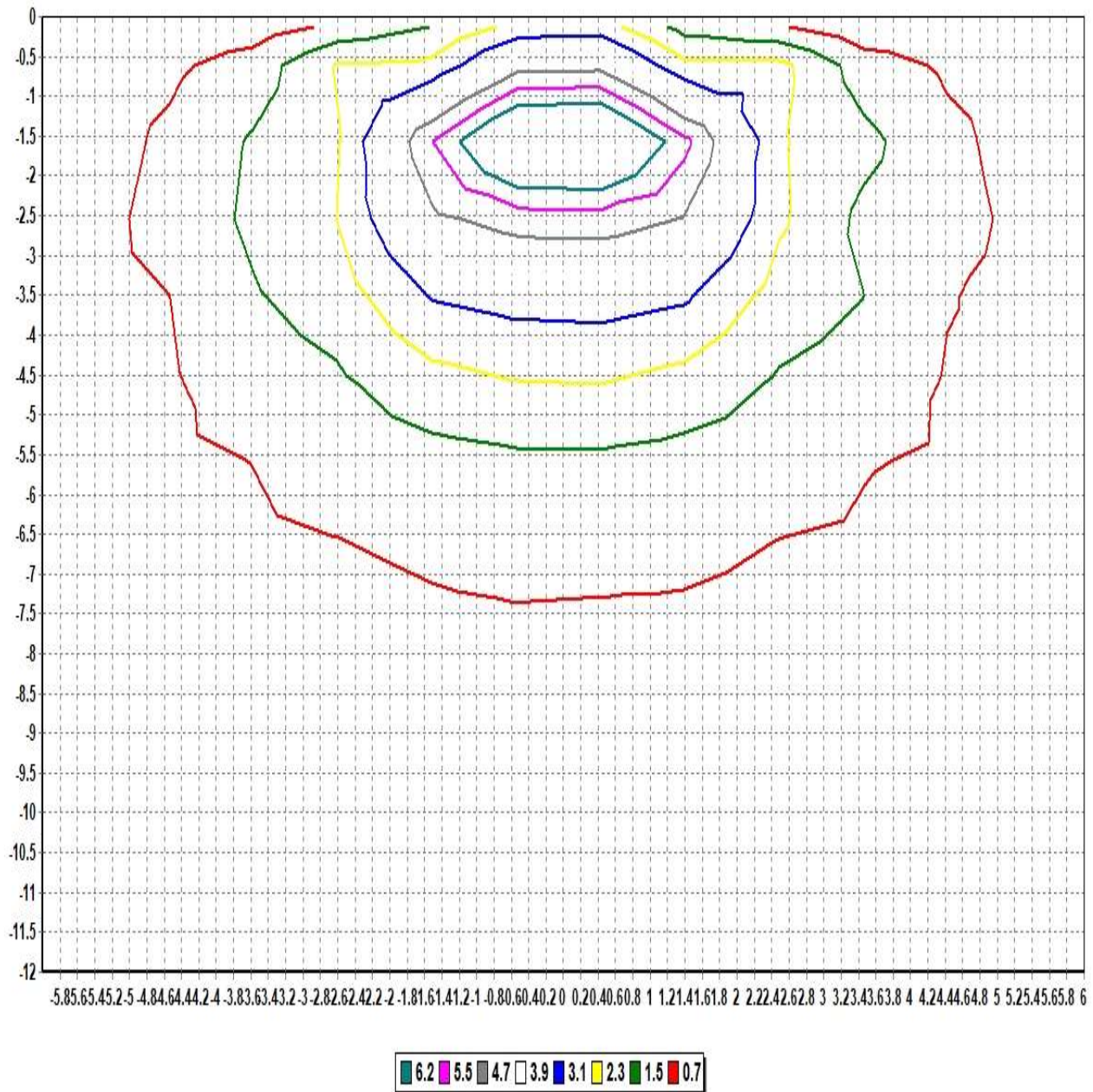
Total Optical Solution Provider

Luminaire

Lamp

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Lamp flux (lm)	485	Current (A)	0.323	Filename	200629 NMP8 27K-24V-BK.jdt
Total flux (lm)	485	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

No. of lamps	1	Voltage (V)	24
Lamp flux (lm)	485	Current (A)	0.323
Total flux (lm)	485	Power Factor	1

Report 200629

Filename 200629 NMP8 27K-24V-BK.jdt

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Illuminance Levels (Ground)

6.00	0.22	0.29	0.23	0.34	0.40	0.46	0.45	0.44	0.45	0.38	0.26	0.31	0.26
5.00	0.32	0.26	0.37	0.50	0.97	1.14	1.16	1.12	1.03	0.55	0.41	0.33	0.34
4.00	0.29	0.43	0.82	1.17	1.29	1.59	1.67	1.58	1.38	1.25	0.92	0.47	0.31
3.00	0.34	0.61	1.28	1.46	2.84	3.22	3.53	3.40	2.95	1.66	1.34	0.64	0.38
2.00	0.44	1.00	1.31	3.03	4.12	6.57	7.65	6.84	4.49	3.13	1.40	1.06	0.48
1.00	0.57	1.27	1.82	3.35	6.62	11.61	15.56	12.10	6.88	3.51	1.83	1.27	0.56
0.00	0.62	1.38	2.05	4.11	8.43	16.10	19.57	15.92	8.28	4.03	1.99	1.35	0.59
-1.00	0.55	1.25	1.82	3.66	7.11	12.26	15.70	11.84	6.79	3.47	1.83	1.27	0.56
-2.00	0.52	1.11	1.49	3.20	4.64	7.07	7.92	6.75	4.30	3.10	1.38	1.04	0.47
-3.00	0.42	0.68	1.38	1.74	3.05	3.57	3.73	3.37	2.96	1.56	1.33	0.64	0.37
-4.00	0.34	0.50	0.96	1.31	1.48	1.69	1.79	1.70	1.36	1.24	0.87	0.46	0.32
-5.00	0.36	0.36	0.46	0.61	1.09	1.18	1.23	1.20	1.02	0.55	0.41	0.29	0.34
-6.00	0.28	0.34	0.30	0.42	0.49	0.49	0.50	0.51	0.44	0.36	0.26	0.31	0.24
-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.) : 19.6

Illum. (Min.) : 0.22

Illum. (Avg.) : 2.41

All illuminance level values are in lux.



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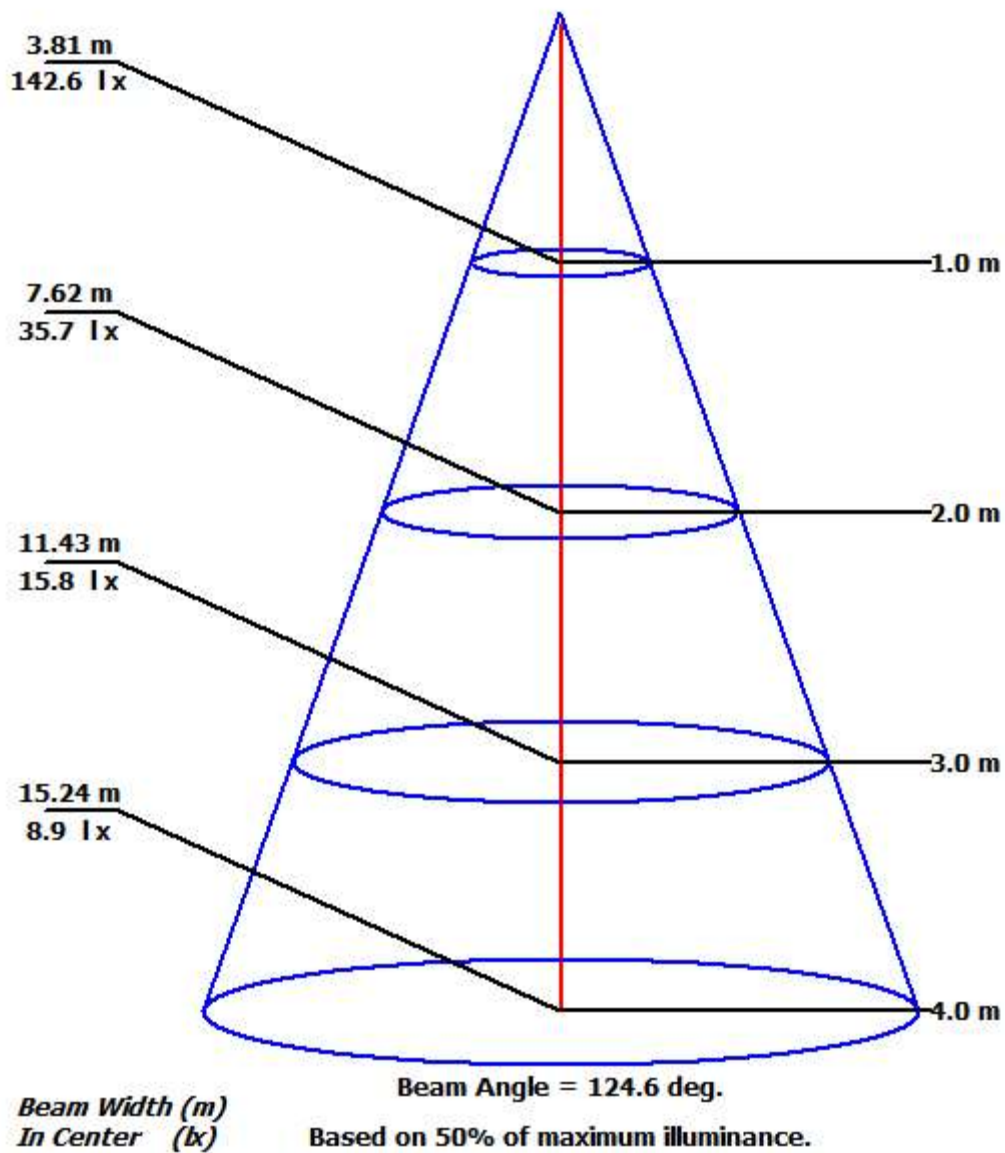
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Illuminance Cone Diagram





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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

