

Distribution Photometry Report

Report Number:

Date: 21-11-2008

Catalog Number:

Description:

Well-Lux 1230N-CW

Test Distance: 10.435m

Test Electrical Parameters: Voltage: 220 V AC, Current: 0.35 A, Power: 73W

Filename:

Well-Lux 1230N-CW.rep

Total Uncertainties of Measurement:

(As estimated at the 95% confidence interval)

Luminous Intensity	+/- 4%
Angle	+/- 0.1
Voltage	+/- 0.05%
Current	+/- 0.05%

Test Officer: _____ / ____ / _____
KDKIM

Approved Signatory: _____ / ____ / _____

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Luminaire Details

Luminaire Test Details:

Photometry Type: *Type C/Gamma*

Number of Lamps: *1*

Lumens per Lamp: *3799*

Luminous Dimensions:

Base Area: *N/A*

Side Area: *N/A*

End Area: *N/A*

Luminous Shape: *Point*

Report Number:

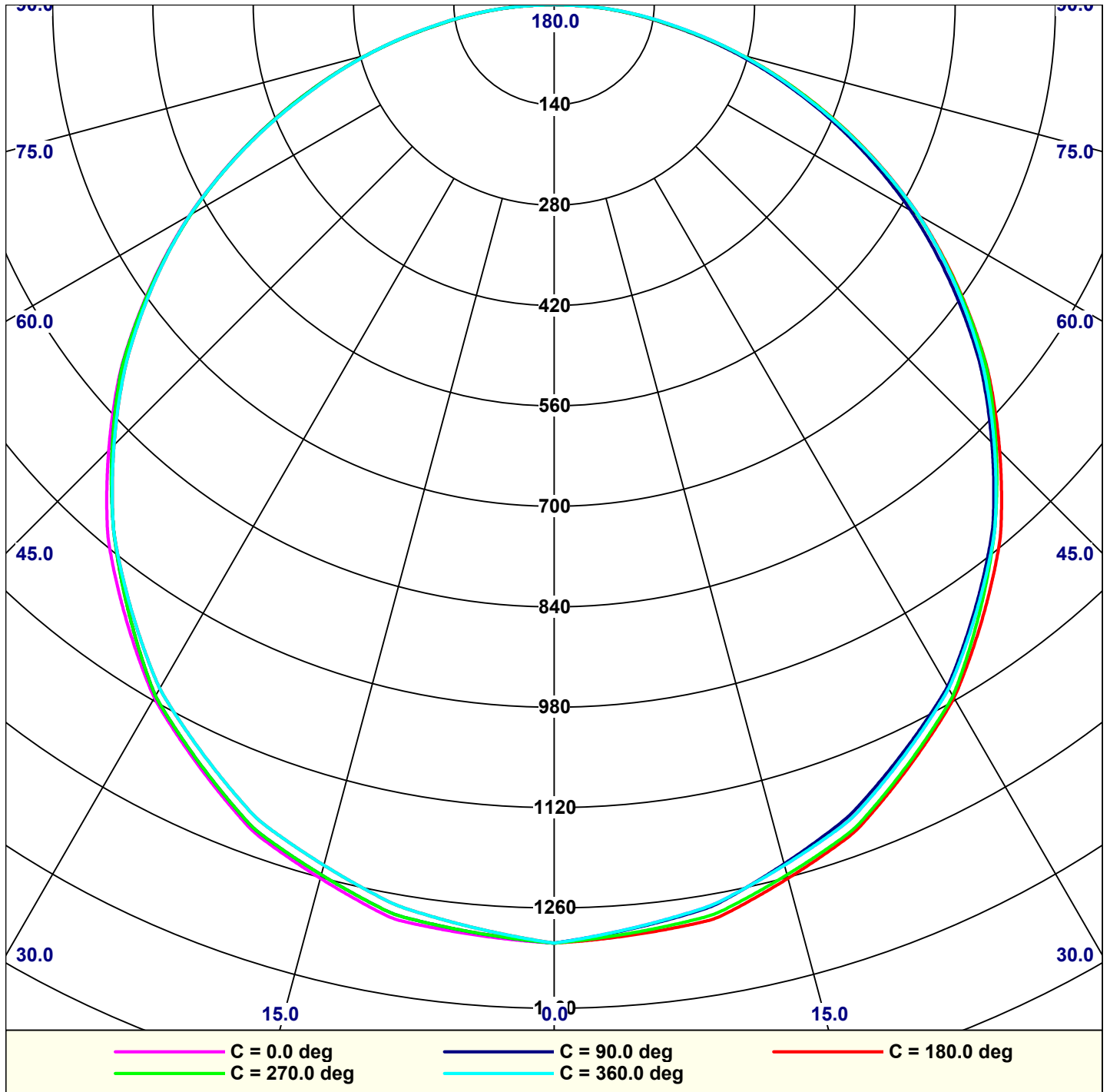
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Luminous Intensity Distribution



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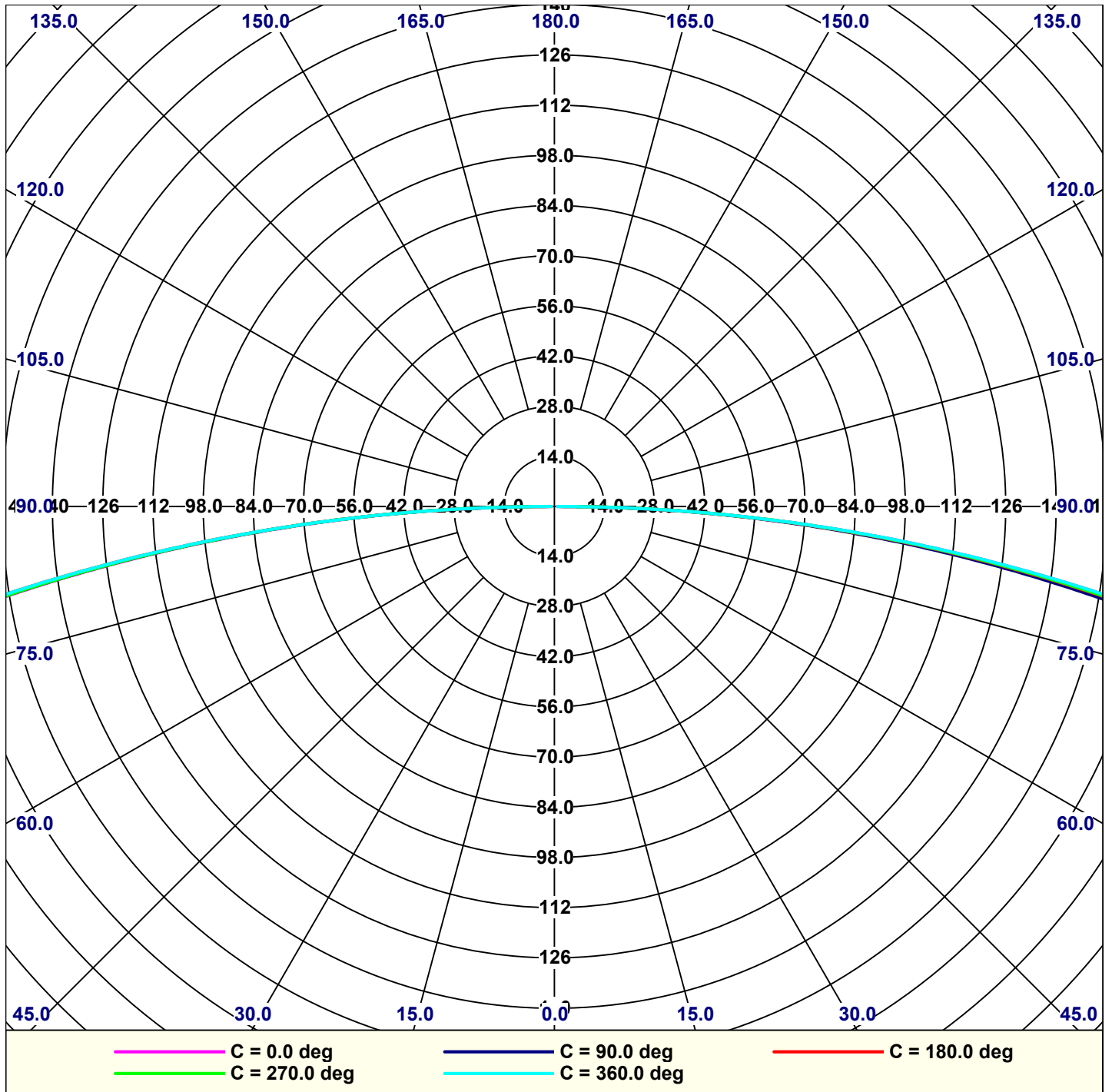
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Luminous Intensity Distribution (Lowest 10%)



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Luminous Intensity Table (cd)

$\gamma \setminus C$	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
0.0	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310
10.0	1280	1270	1270	1280	1270	1270	1270	1280	1280	1280	1280	1280	1280
20.0	1210	1200	1210	1200	1200	1210	1200	1200	1210	1200	1210	1210	1210
30.0	1100	1090	1100	1090	1090	1090	1090	1090	1090	1100	1090	1100	1100
40.0	957	946	950	945	957	948	945	946	946	952	947	952	959
50.0	780	780	784	779	770	772	779	768	780	775	780	775	782
60.0	587	581	574	580	571	573	569	569	580	575	580	574	582
70.0	369	369	375	369	373	362	371	358	371	364	357	362	370
80.0	170	166	170	166	169	159	167	167	167	162	166	159	154
90.0	0.8	1.6	1.6	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.8	3.1

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Luminous Intensity Table (cd) (Continued)

$\gamma \setminus C$	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0	220.0	230.0	240.0	250.0
0.0	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310
10.0	1280	1290	1290	1290	1290	1290	1300	1300	1300	1300	1290	1300	1290
20.0	1210	1220	1220	1220	1220	1230	1230	1230	1220	1230	1220	1230	1220
30.0	1100	1100	1100	1110	1110	1120	1110	1120	1110	1110	1110	1110	1110
40.0	948	963	962	961	967	969	961	968	961	974	961	966	960
50.0	768	786	783	782	788	789	781	789	781	784	780	786	780
60.0	578	585	581	592	586	588	577	586	590	582	589	583	577
70.0	365	359	367	365	371	373	375	372	375	380	375	382	375
80.0	161	166	162	159	165	166	168	176	169	173	169	175	170
90.0	2.8	2.8	2.4	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	1.6

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Luminous Intensity Table (cd) (Continued)

$\gamma \setminus C$	260.0	270.0	280.0	290.0	300.0	310.0	320.0	330.0	340.0	350.0	360.0
0.0	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310
10.0	1290	1290	1290	1280	1280	1280	1280	1280	1280	1280	1280
20.0	1220	1220	1220	1220	1220	1220	1210	1210	1210	1210	1210
30.0	1110	1110	1110	1100	1110	1100	1100	1100	1100	1100	1100
40.0	973	956	971	954	959	953	956	951	964	960	957
50.0	795	788	781	786	781	774	779	773	788	774	780
60.0	581	586	579	584	580	585	578	584	589	572	587
70.0	380	373	378	371	379	371	377	371	376	372	369
80.0	174	167	173	166	173	167	172	166	171	167	170
90.0	1.6	2.4	3.1	3.3	3.6	3.6	3.3	2.8	2.4	1.6	0.8

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Luminous Flux Table

Elevation	Cone	Lumens	Cumulative	Lamp %	Luminaire %
0 deg	0.00 - 5.00	31.3	31.3	0.8	0.8
10 deg	5.00 - 15.00	244.2	275.5	7.3	7.3
20 deg	15.00 - 25.00	455.0	730.5	19.2	19.3
30 deg	25.00 - 35.00	604.2	1334.7	35.1	35.3
40 deg	35.00 - 45.00	674.1	2008.8	52.9	53.2
50 deg	45.00 - 55.00	654.8	2663.6	70.1	70.5
60 deg	55.00 - 65.00	550.8	3214.4	84.6	85.1
70 deg	65.00 - 75.00	381.7	3596.1	94.7	95.2
80 deg	75.00 - 85.00	180.3	3776.4	99.4	100.0
90 deg	85.00 - 90.00	1.1	3777.5	99.4	100.0

Light Output Ratio = 99.4% (DLOR = 99.4% , ULOR = 0.0%)

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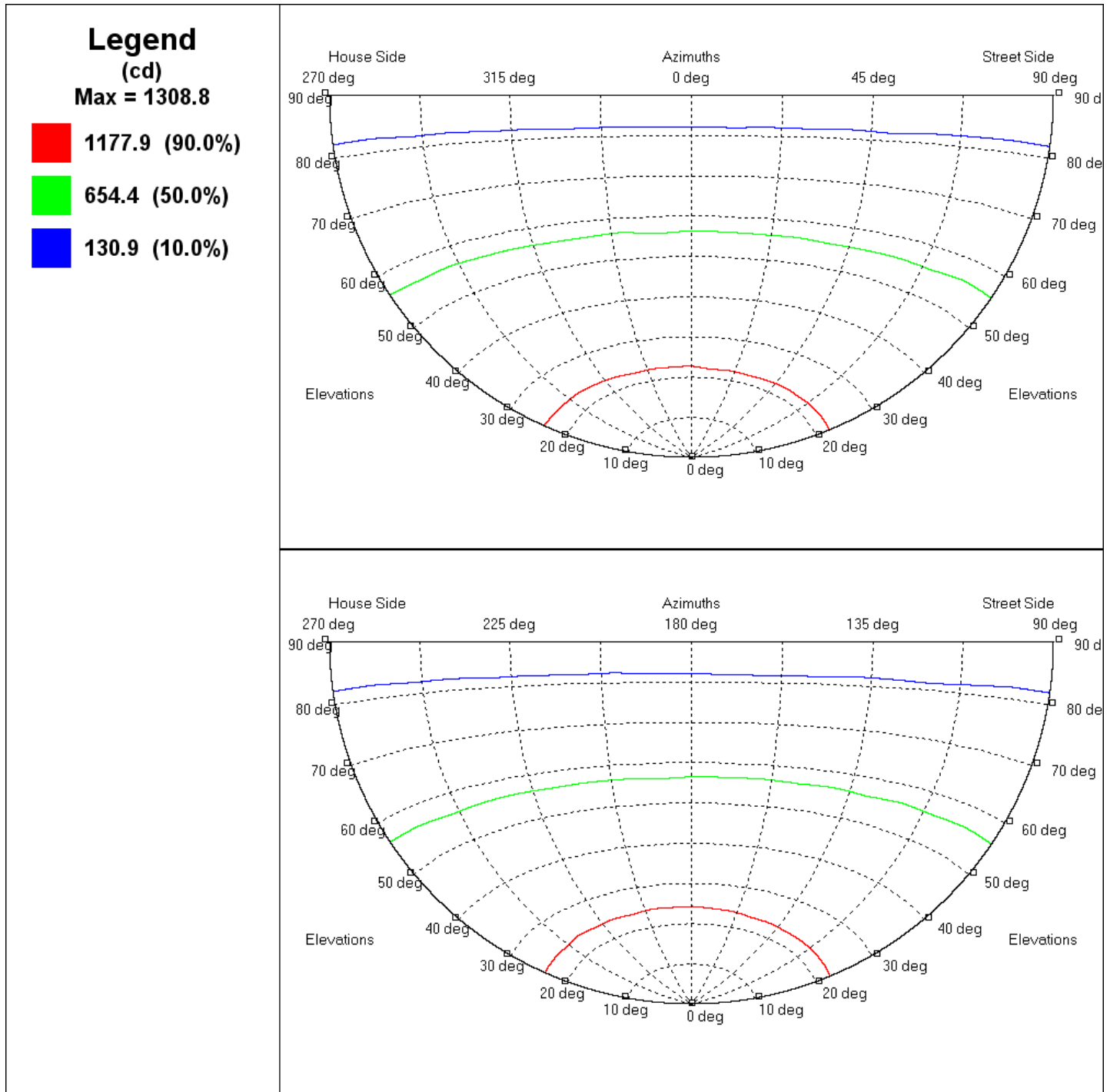
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IsoCandela Diagram



All luminous intensity values in cd

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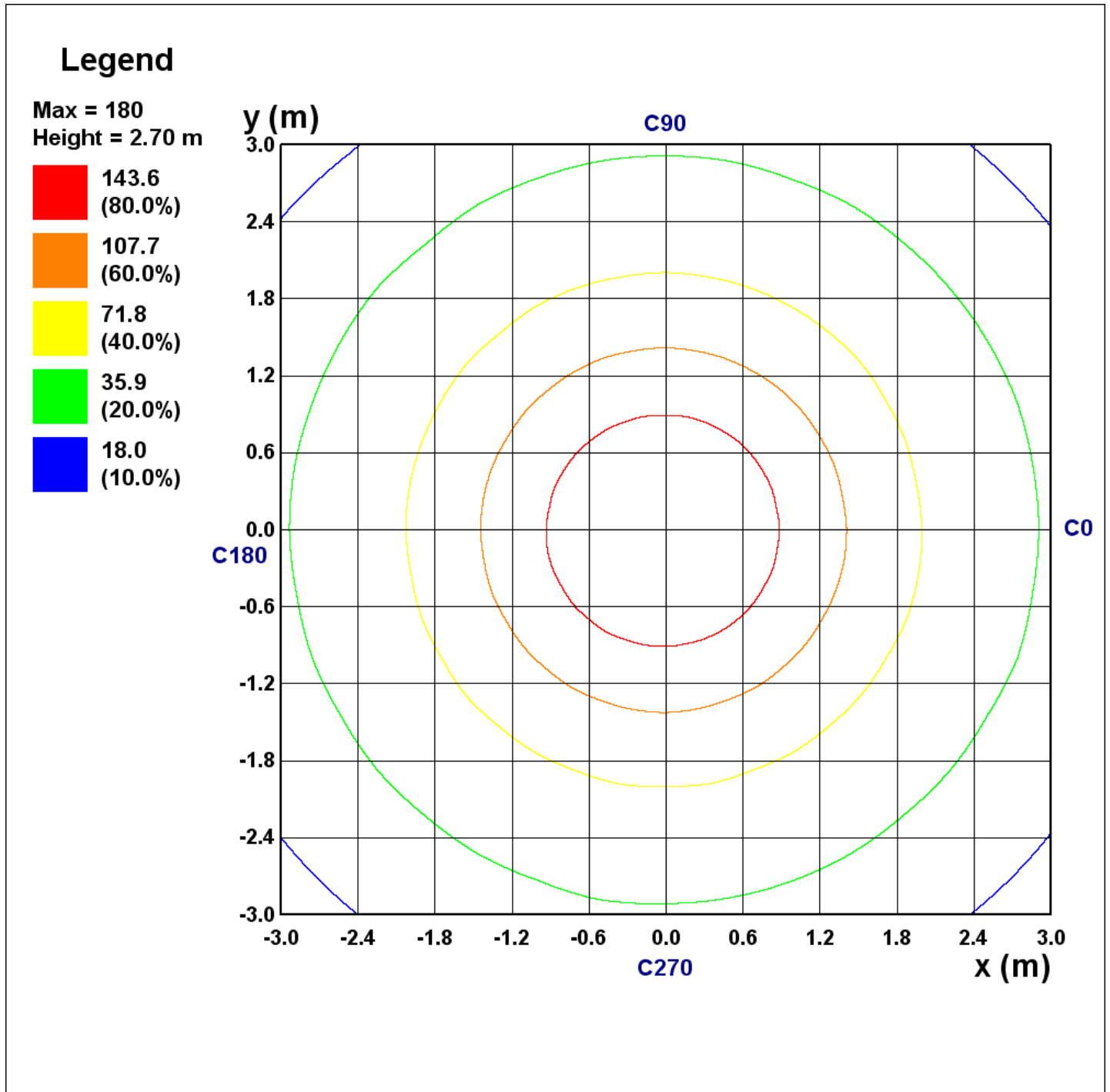
Description:

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IsoLux Diagram



All illuminance values in lx

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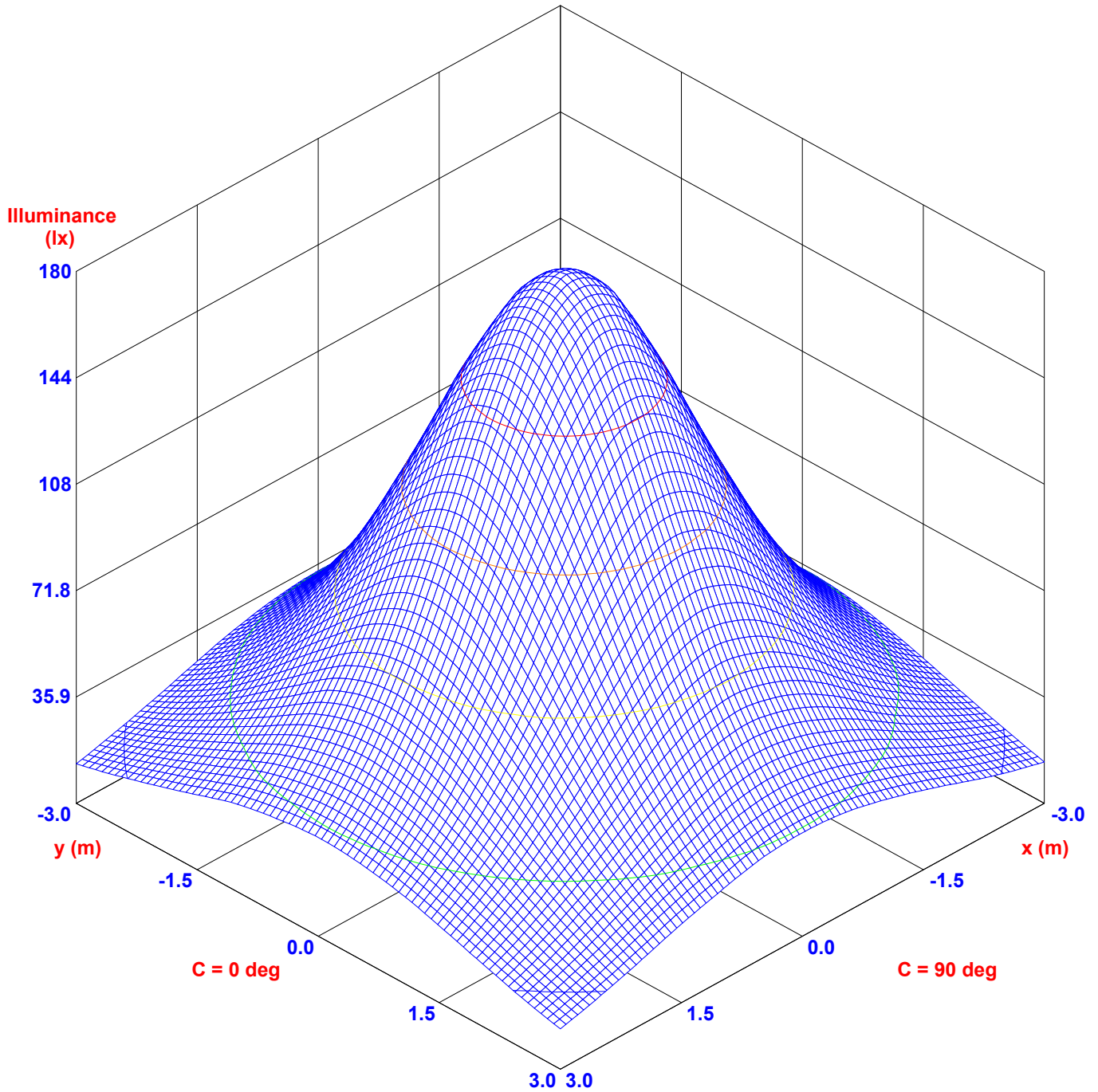
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IsoLux 3D



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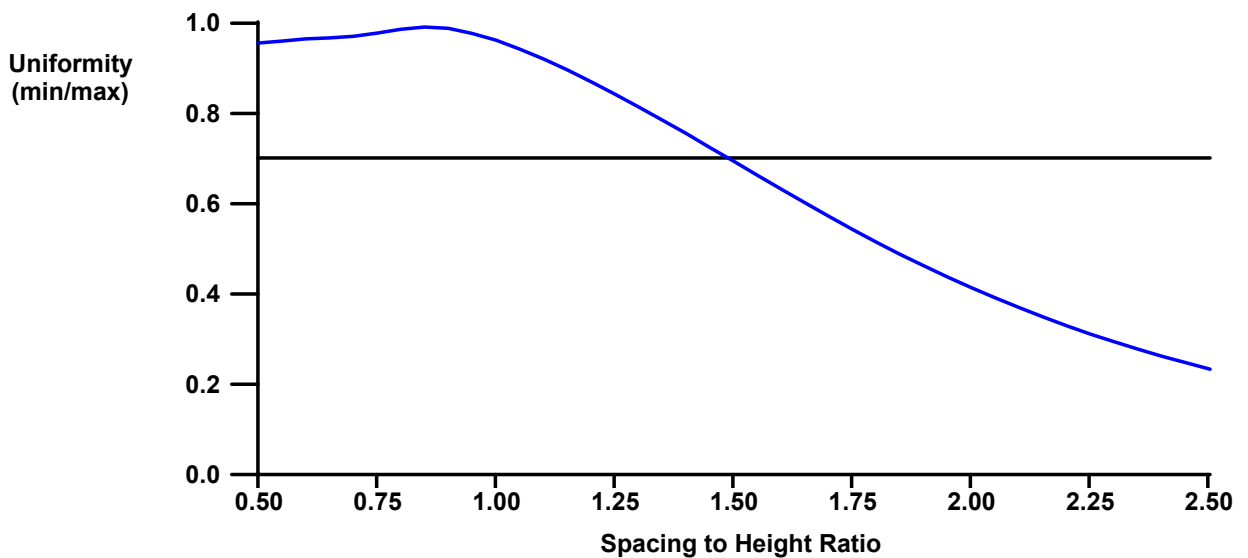
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TM5 Utilisation Factor Table

SHR Nominal = 1.25:1 SHR Maximum = 1.49:1

Reflectance			Room Index (K)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.55	0.66	0.73	0.78	0.86	0.91	0.95	0.99	1.02
0.70	0.30	0.20	0.48	0.58	0.66	0.71	0.80	0.85	0.89	0.95	0.99
0.70	0.10	0.20	0.42	0.52	0.60	0.66	0.74	0.80	0.85	0.91	0.95
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.87	0.91	0.95	0.98
0.50	0.30	0.20	0.47	0.57	0.64	0.70	0.77	0.83	0.87	0.92	0.95
0.50	0.10	0.20	0.42	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.92
0.30	0.50	0.20	0.52	0.62	0.68	0.73	0.80	0.84	0.87	0.92	0.94
0.30	0.30	0.20	0.46	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92
0.30	0.10	0.20	0.41	0.51	0.58	0.64	0.71	0.77	0.81	0.86	0.89
0.00	0.00	0.00	0.39	0.49	0.55	0.61	0.68	0.73	0.77	0.82	0.85
Distribution Factors	Floor:		0.39	0.49	0.55	0.61	0.68	0.73	0.77	0.82	0.85
	Wall:		0.60	0.51	0.44	0.39	0.31	0.26	0.23	0.18	0.15
	Ceiling:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BZ Numbers:			5	5	5	5	5	5	5	5	5



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Zonal Flux Diagram

