

Distribution Photometry Report

Report Number:

Date: 21-11-2008

Catalog Number:

Description:

Well-Lux 1245N CW

220V

Test Distance: 10.435m

Test Electrical Parameters: Voltage: 220 V AC, Current: 0.29 A, Power: 62

Filename:

Well-Lux 1245N-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: *3434*

Luminous Dimensions:

Base Area: *N/A*

Side Area: *N/A*

End Area: *N/A*

Luminous Shape: *Point*

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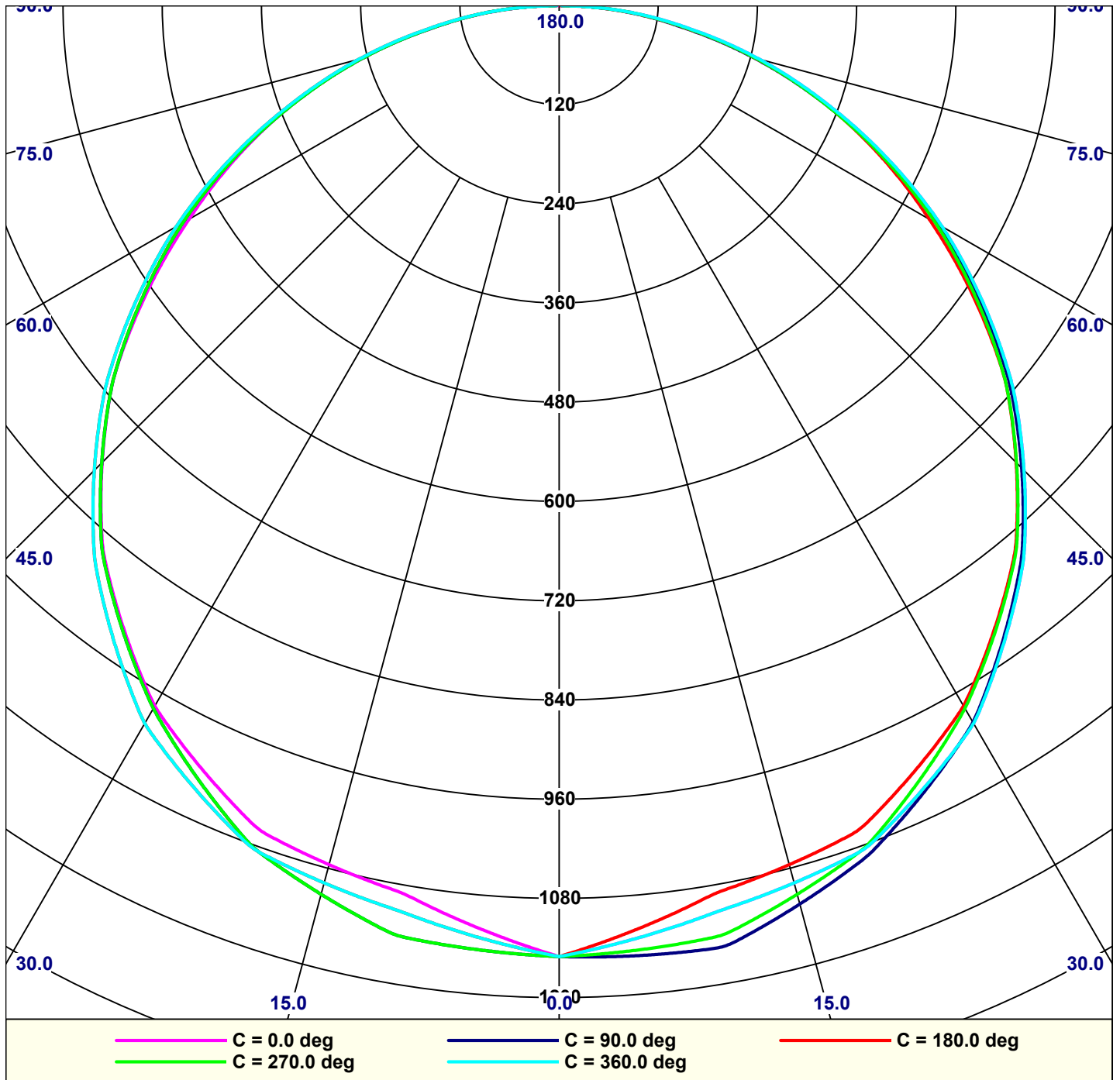
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Luminous Intensity Distribution



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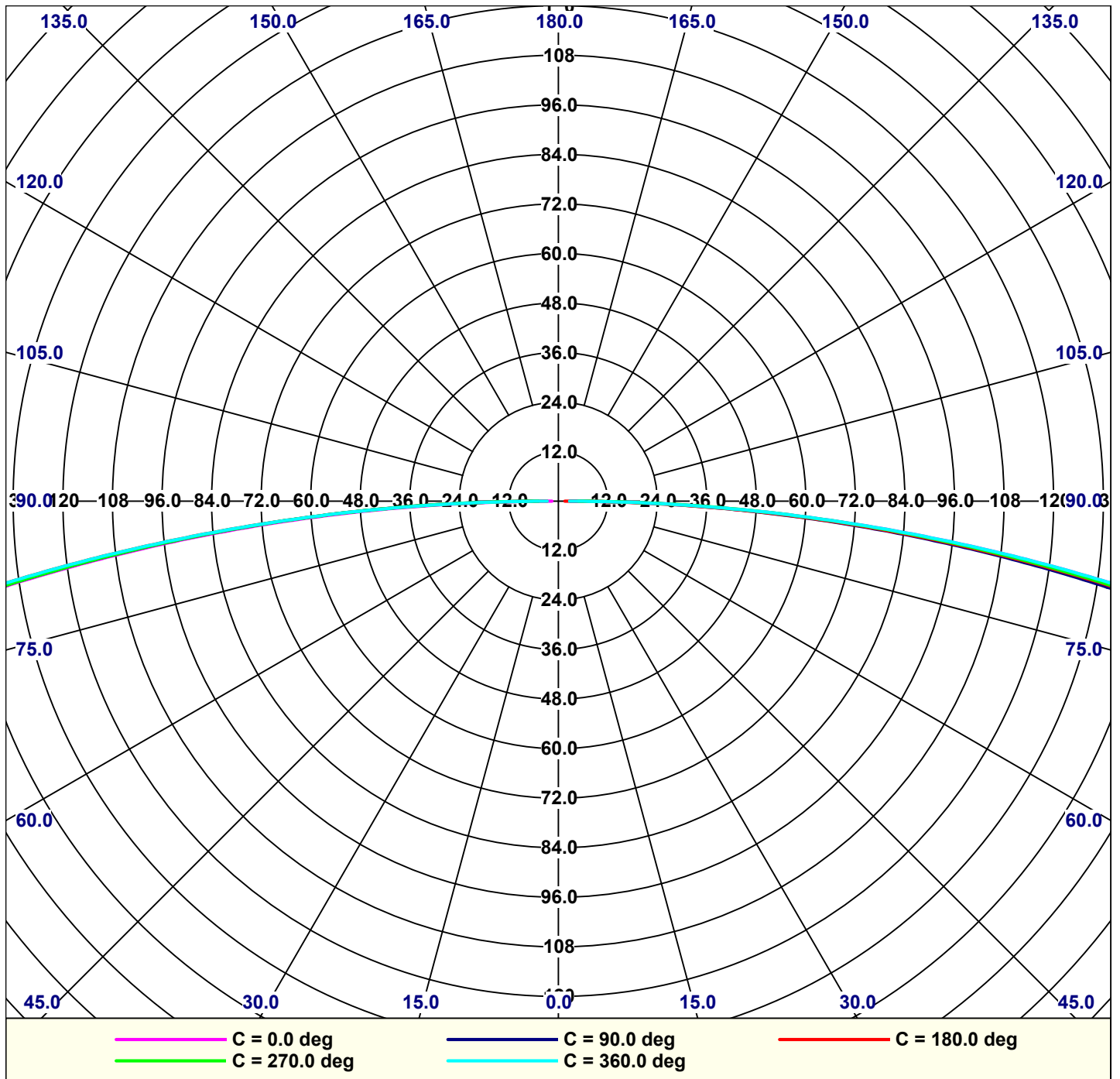
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Luminous Intensity Distribution (Lowest 10%)



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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	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
10.0	1110	1120	1140	1140	1150	1160	1160	1160	1160	1160	1160	1160	1160
20.0	1080	1080	1090	1090	1100	1090	1100	1100	1100	1090	1100	1090	1090
30.0	1000	1000	1000	1000	1000	1000	999	996	998	1000	1000	994	996
40.0	874	875	877	873	877	864	867	864	876	870	869	862	873
50.0	716	707	720	714	719	714	708	703	717	711	709	713	715
60.0	535	526	540	533	538	534	527	533	526	530	527	531	523
70.0	342	343	347	340	346	341	346	340	345	337	346	338	329
80.0	160	157	159	154	148	155	159	154	158	151	159	152	155
90.0	2.7	2.8	2.4	0.8	0.8	1.6	1.6	1.6	2.4	2.8	3.1	3.1	2.8

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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	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
10.0	1150	1140	1120	1110	1100	1090	1100	1110	1120	1130	1130	1130	1140
20.0	1080	1090	1080	1070	1060	1060	1060	1070	1070	1070	1070	1070	1070
30.0	986	989	986	982	980	978	982	977	974	977	974	978	978
40.0	864	859	856	853	851	858	846	850	846	849	853	858	849
50.0	706	711	699	705	695	704	690	703	690	693	697	704	702
60.0	526	532	519	517	517	517	522	527	512	527	520	528	525
70.0	334	340	328	337	338	338	333	338	334	339	333	341	337
80.0	149	155	155	153	155	155	152	146	152	157	161	159	156
90.0	2.8	2.6	1.6	1.6	1.6	1.6	2.4	1.6	1.6	1.6	2.4	2.6	3.3

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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	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
10.0	1140	1140	1140	1150	1150	1150	1150	1140	1130	1120	1110
20.0	1080	1080	1080	1090	1090	1090	1090	1090	1090	1080	1080
30.0	982	982	989	989	995	999	997	1000	999	996	1000
40.0	854	860	869	866	866	870	875	872	877	865	874
50.0	707	704	713	709	708	712	718	713	720	715	716
60.0	520	526	524	529	539	532	538	533	539	534	535
70.0	342	337	334	339	337	340	334	340	347	341	342
80.0	160	155	162	155	162	155	159	154	149	154	160
90.0	4.1	4.8	5.3	5.8	5.5	5.5	4.8	3.8	3.3	2.8	2.7

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Luminous Flux Table

Elevation	Cone	Lumens	Cumulative	Lamp %	Luminaire %
0 deg	0.00 - 5.00	27.5	27.5	0.8	0.8
10 deg	5.00 - 15.00	216.0	243.5	7.1	7.1
20 deg	15.00 - 25.00	405.9	649.4	18.9	19.0
30 deg	25.00 - 35.00	542.5	1191.9	34.7	34.9
40 deg	35.00 - 45.00	607.9	1799.9	52.4	52.7
50 deg	45.00 - 55.00	593.9	2393.8	69.7	70.2
60 deg	55.00 - 65.00	500.7	2894.5	84.3	84.8
70 deg	65.00 - 75.00	348.8	3243.3	94.4	95.0
80 deg	75.00 - 85.00	167.5	3410.8	99.3	100.0
90 deg	85.00 - 90.00	1.5	3412.3	99.4	100.0

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

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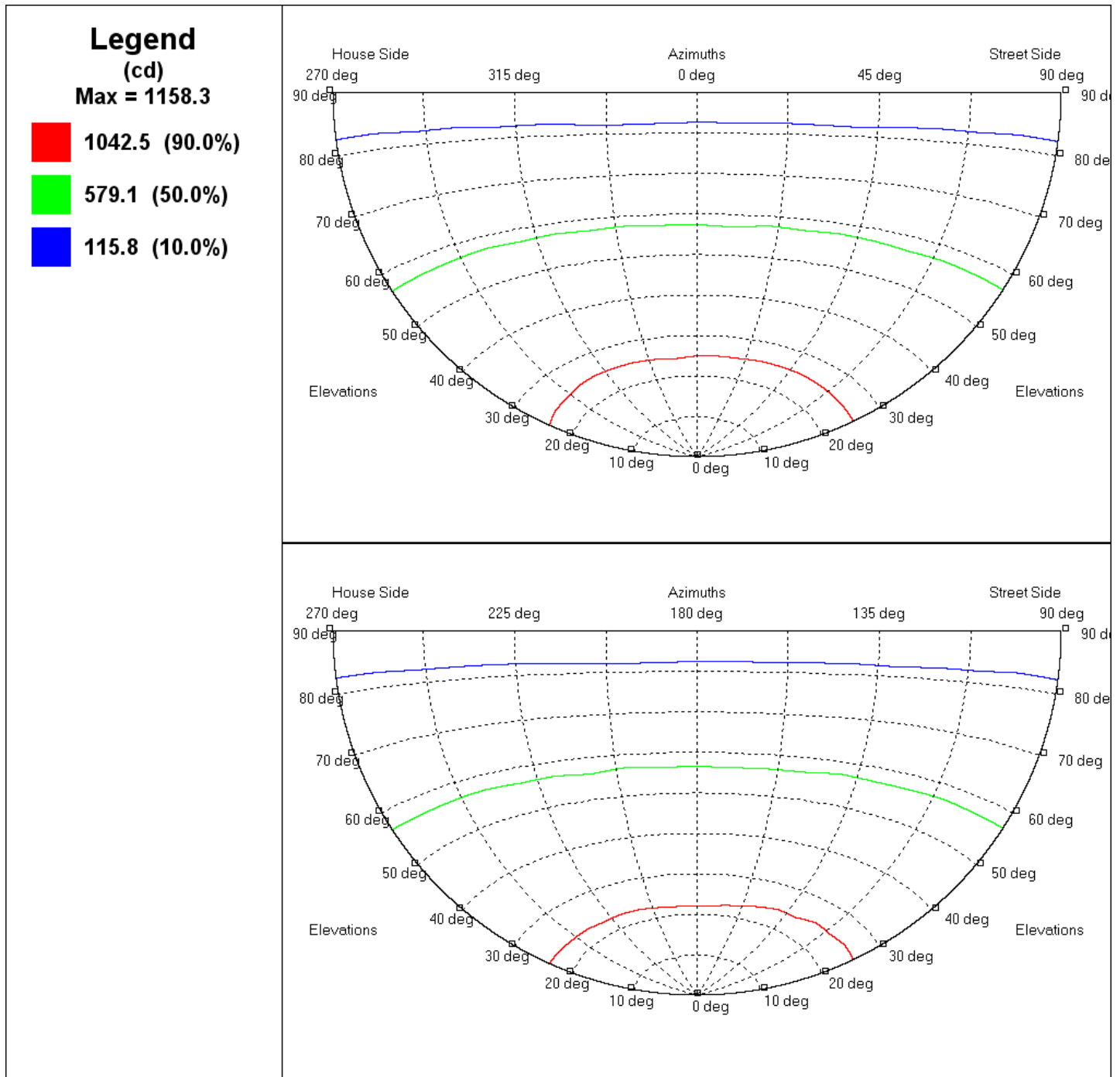
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IsoCandela Diagram



All luminous intensity values in cd

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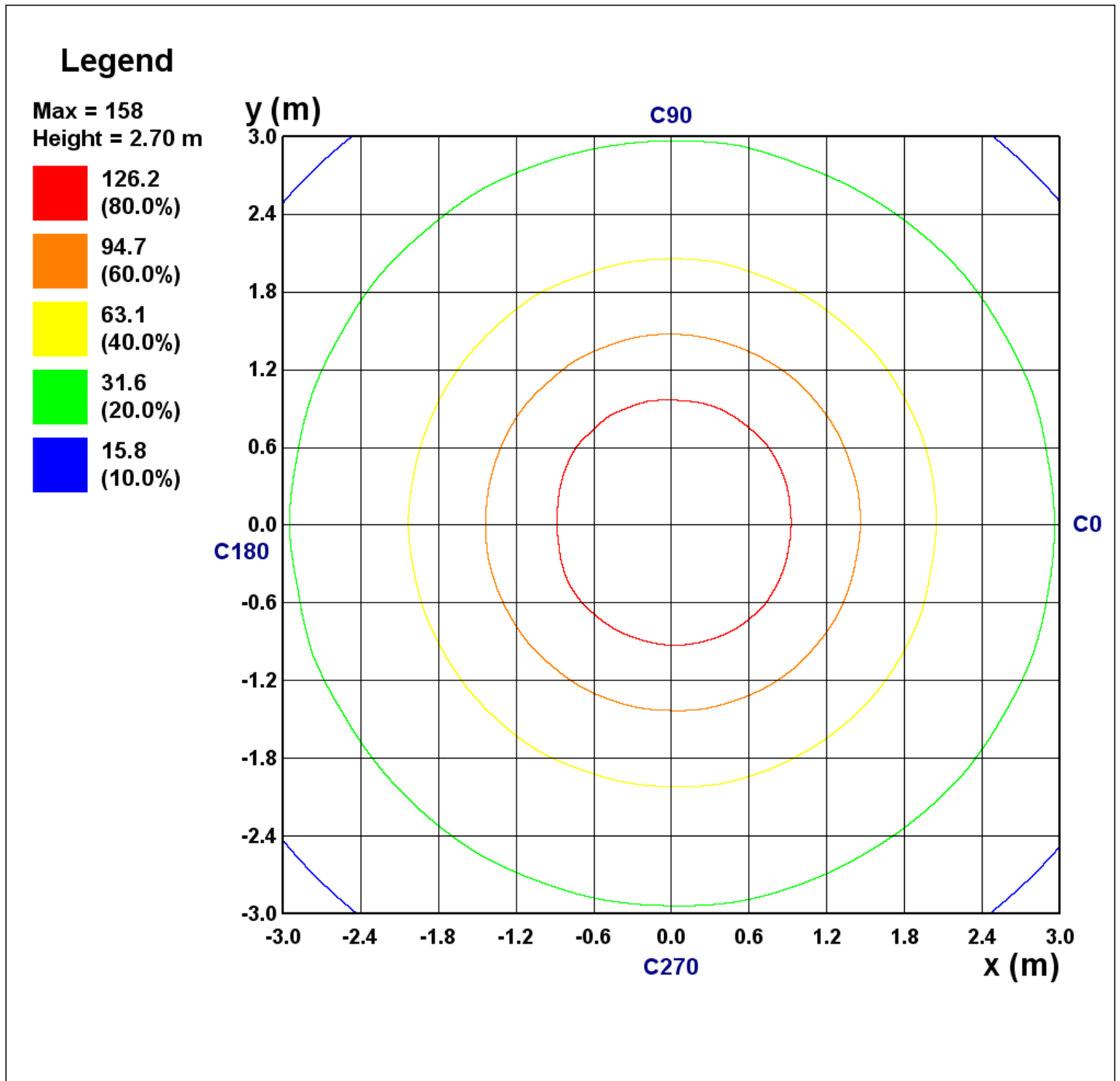
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IsoLux Diagram



All illuminance values in lx

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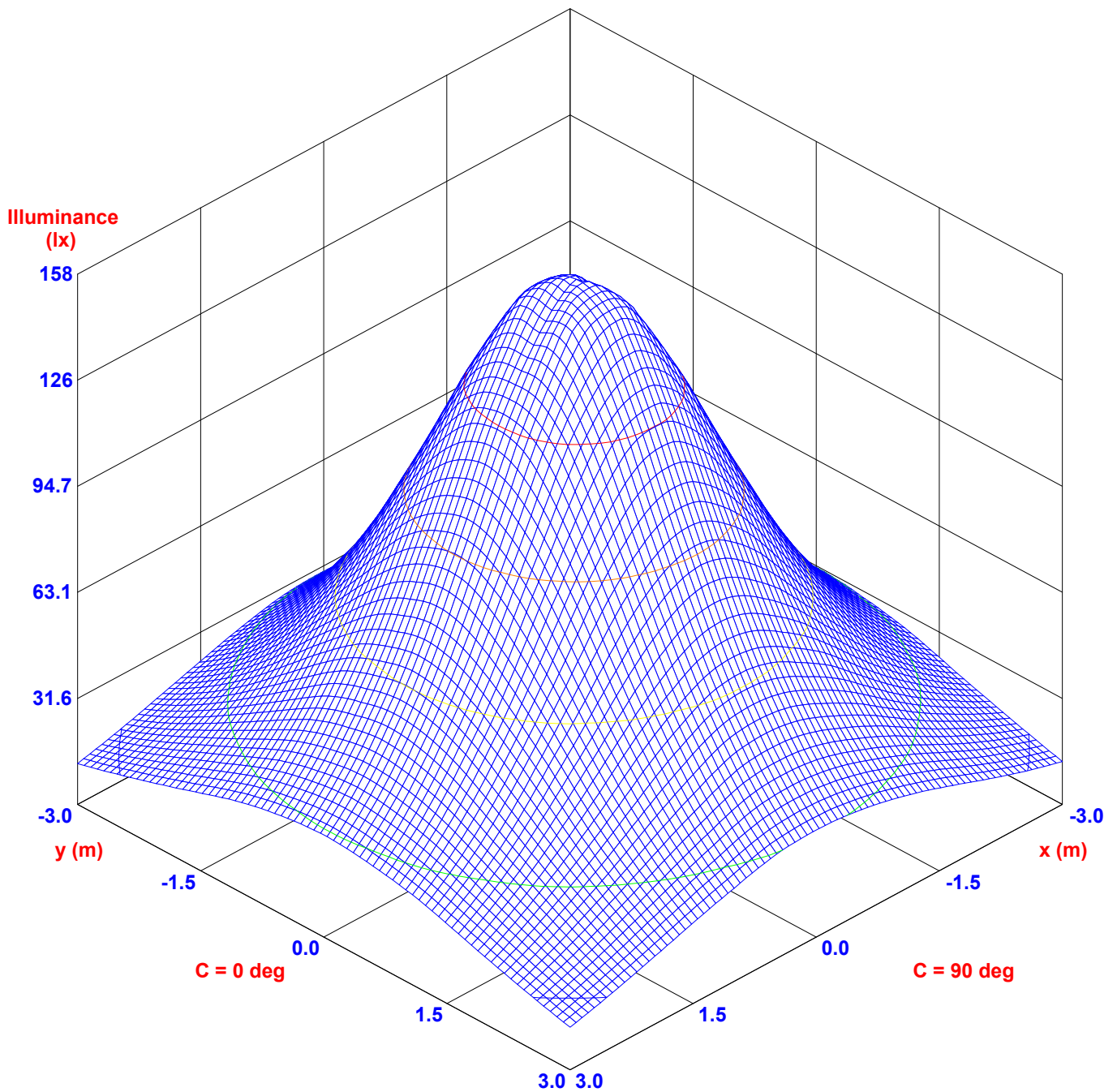
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IsoLux 3D



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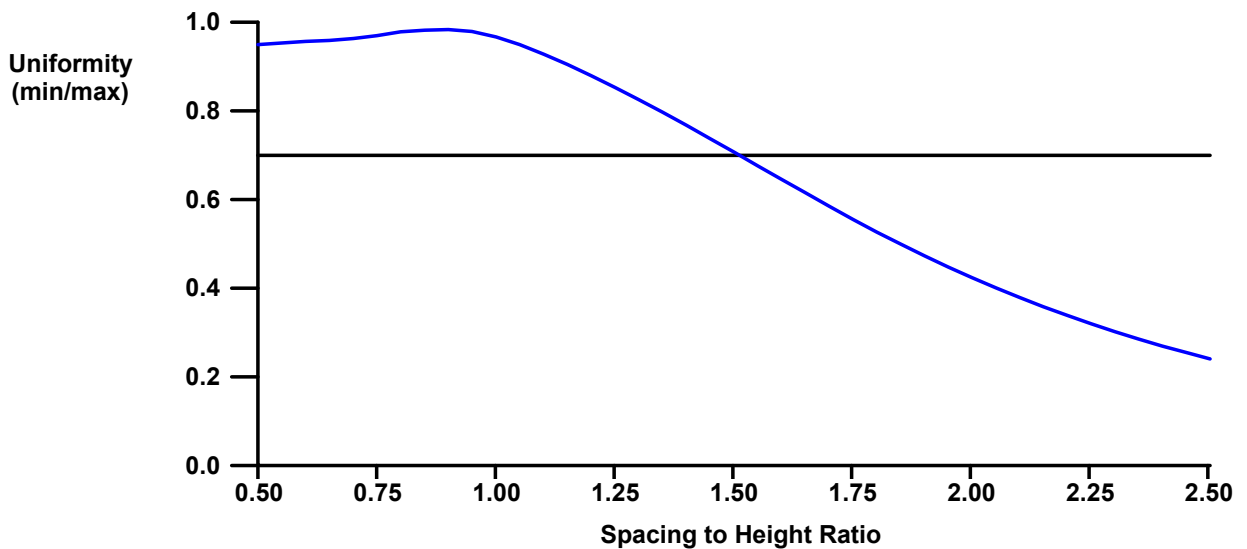
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TM5 Utilisation Factor Table

SHR Nominal = 1.50:1 SHR Maximum = 1.51:1

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	0.59	0.67	0.74	0.80	0.87	0.92	0.95	1.00	1.03
0.70	0.30	0.20	0.51	0.59	0.67	0.73	0.81	0.86	0.90	0.95	0.99
0.70	0.10	0.20	0.46	0.54	0.62	0.67	0.76	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.57	0.65	0.72	0.77	0.84	0.88	0.91	0.96	0.98
0.50	0.30	0.20	0.50	0.58	0.66	0.71	0.78	0.84	0.87	0.92	0.95
0.50	0.10	0.20	0.45	0.53	0.61	0.66	0.74	0.80	0.84	0.89	0.93
0.30	0.50	0.20	0.56	0.63	0.70	0.74	0.81	0.85	0.88	0.92	0.94
0.30	0.30	0.20	0.50	0.57	0.64	0.69	0.76	0.81	0.85	0.89	0.92
0.30	0.10	0.20	0.45	0.52	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.43	0.50	0.57	0.62	0.69	0.74	0.78	0.82	0.85
Distribution Factors		Floor:	0.43	0.50	0.57	0.62	0.69	0.74	0.78	0.82	0.85
		Wall:	0.56	0.49	0.42	0.37	0.30	0.25	0.22	0.17	0.14
		Ceiling:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BZ Numbers:			4	5	4	4	5	5	5	5	4



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Zonal Flux Diagram

