

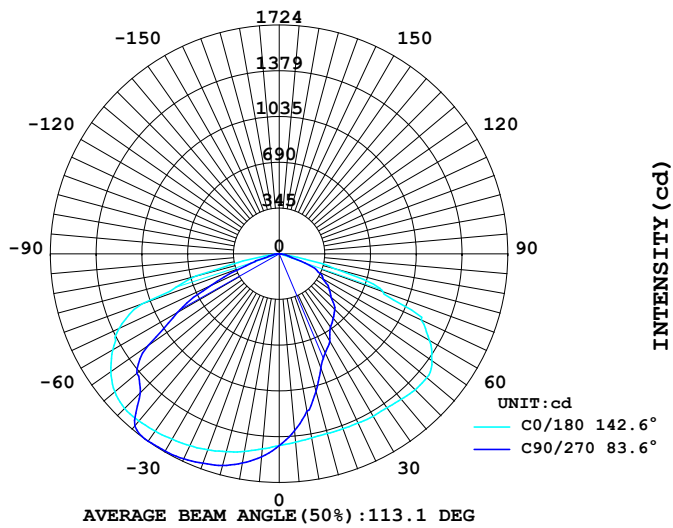
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

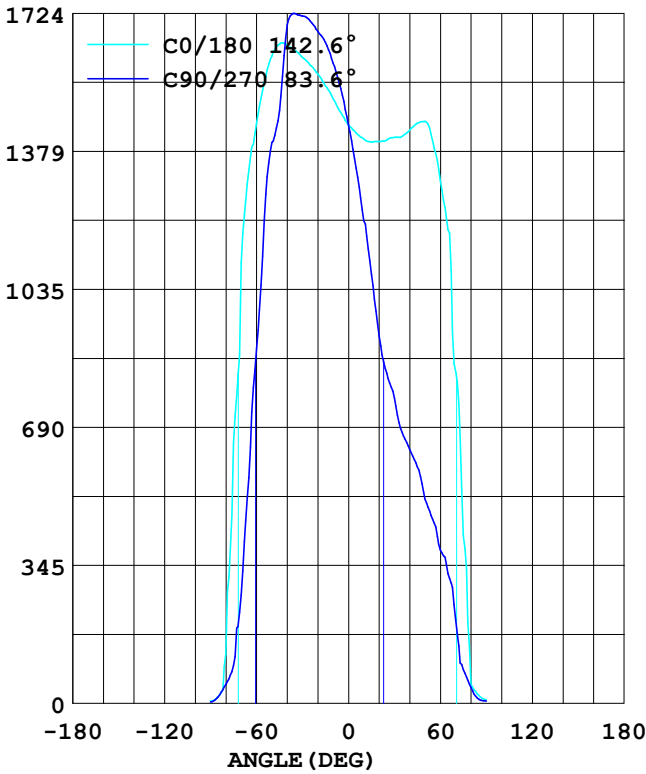
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-TY3	WEIGHT:
SPECIFICATION: 2835LED、3000K、TY3	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1779	S/MH(C0/180)	1.71
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.71
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	4946.7	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	131.2	Current(A)	0.296
NOMINAL FLUX(lm)	4946.8	$\eta$ up(%)	0.0	Power(W)	37.70
LAMPS QUANTITY	1	$\eta$ down(%)	100.0	Power Factor(PF)	0.976
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	4946.8	EEL	0.114

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



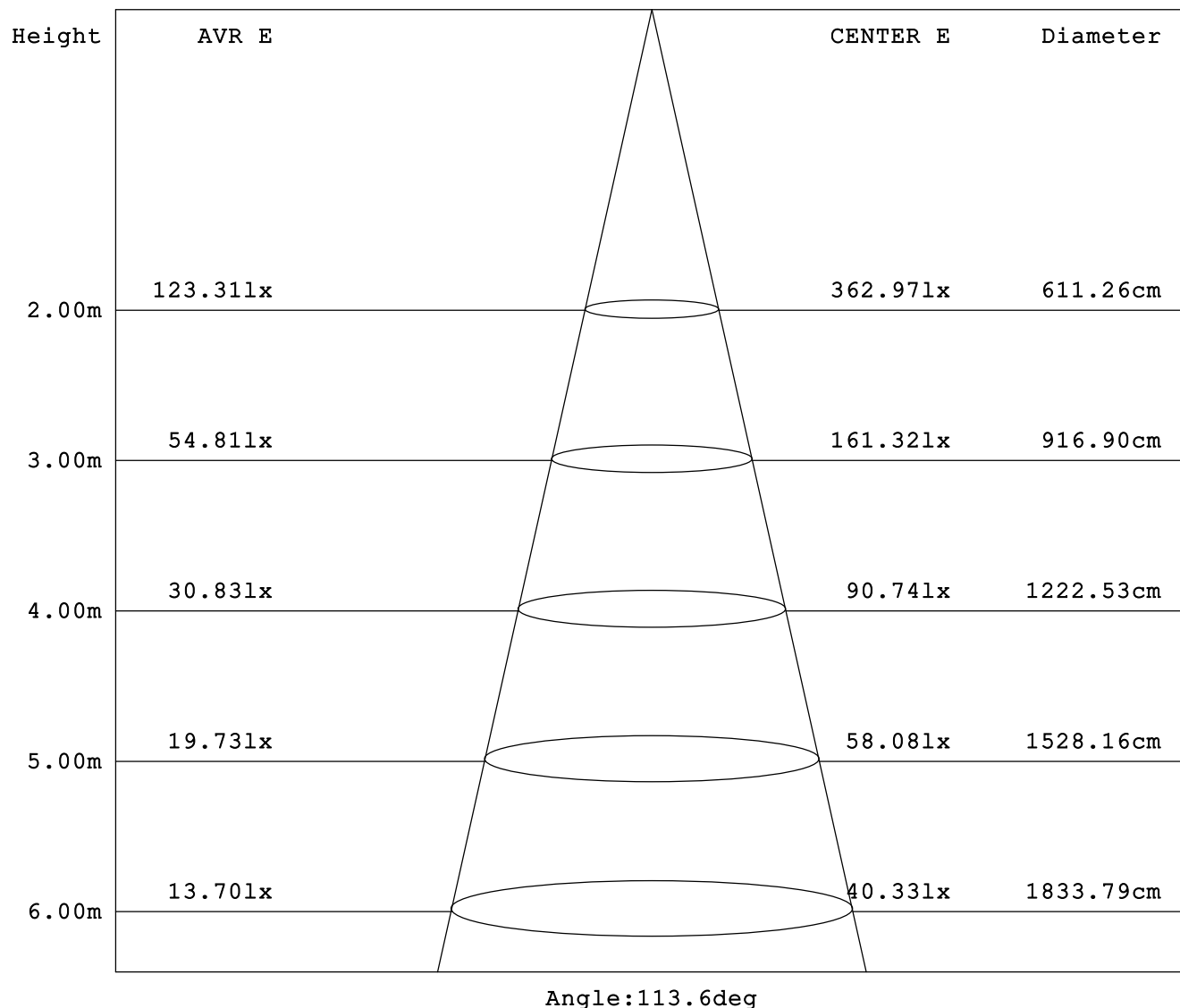
Test System:  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2025.07.18

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、3000K、TY3	DIMENSION:	SERIAL No.:



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Temperature: 25.3DEG  
Operators:  
Test Date: 2025.07.18

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Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-TY3	WEIGHT:
SPECIFICATION: 2835LED、3000K、TY3	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1476	1535	1537	1488	1425	1372	1338	1407	0- 5	34.60	34.60
10.0	1511	1606	1600	1529	1410	1265	1205	1358	5- 10	103.1	137.7
15.0	1543	1669	1651	1567	1402	1155	1072	1327	10- 15	169.5	307.3
20.0	1572	1718	1680	1606	1404	1065	918.0	1261	15- 20	232.7	540.0
25.0	1595	1752	1705	1628	1407	982.3	824.6	1178	20- 25	291.8	831.9
30.0	1614	1771	1717	1631	1415	903.0	762.1	1081	25- 30	347.3	1179
35.0	1631	1779	1724	1636	1417	824.1	676.6	972.8	30- 35	396.5	1576
40.0	1645	1775	1696	1621	1432	740.4	635.5	833.5	35- 40	438.8	2015
45.0	1647	1755	1482	1591	1450	634.2	591.6	694.7	40- 45	469.9	2485
50.0	1618	1702	1401	1525	1454	568.5	510.2	599.4	45- 50	483.4	2968
55.0	1550	1470	1206	1313	1406	498.9	460.2	484.1	50- 55	481.8	3450
60.0	1450	1299	886.4	1189	1306	400.6	383.3	375.9	55- 60	454.9	3905
65.0	1333	1049	564.3	964.5	1183	323.7	324.5	282.6	60- 65	404.0	4309
70.0	1100	717.0	271.0	653.1	829.3	232.2	208.8	168.8	65- 70	318.9	4628
75.0	650.1	259.1	94.61	320.2	418.3	110.3	84.07	54.55	70- 75	198.9	4827
80.0	123.6	58.80	47.33	91.16	47.75	38.18	39.82	19.56	75- 80	88.16	4915
85.0	17.29	21.78	16.63	38.06	20.58	11.15	10.53	3.323	80- 85	25.54	4940
90.0	6.903	7.456	3.468	12.85	9.057	3.825	6.037	4.012	85- 90	6.311	4947
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2025.07.18

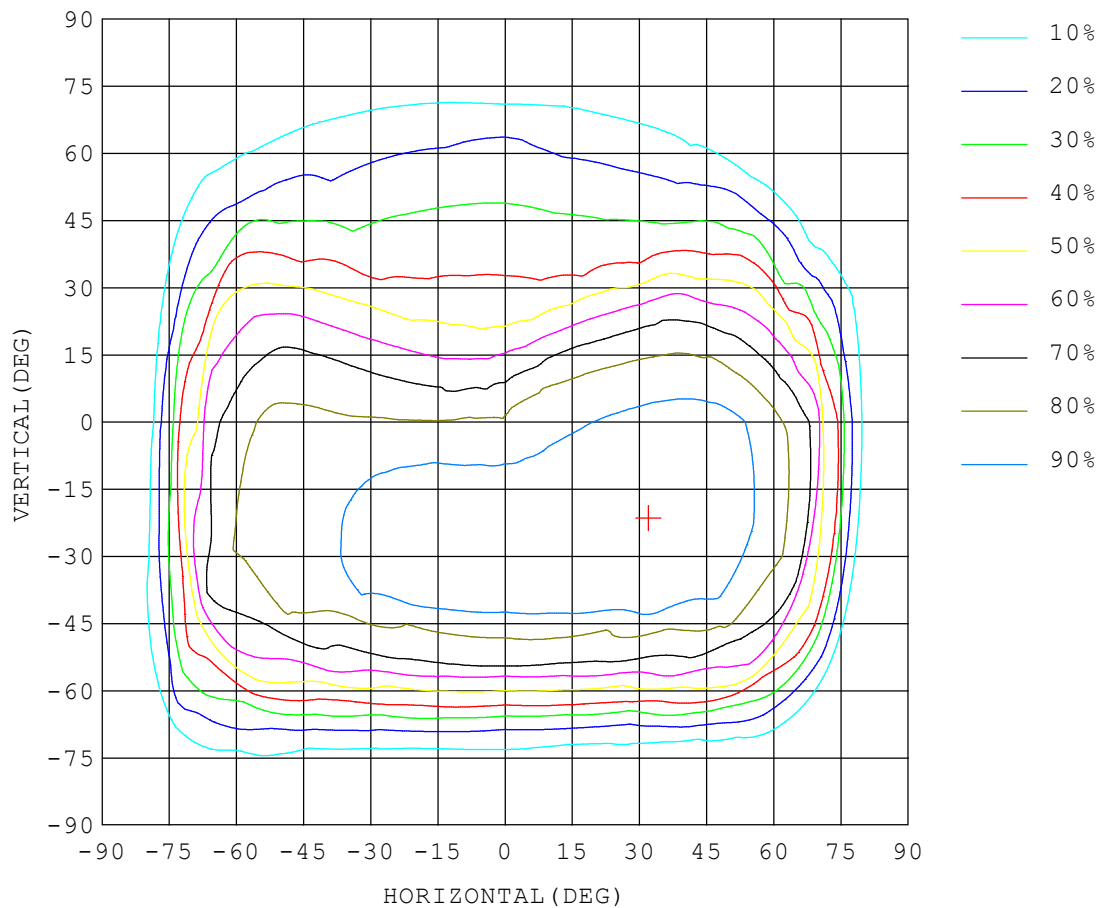
Test Set: 5.0deg/s C-Gamma (TYPE C)  
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Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-TY3	WEIGHT:
SPECIFICATION: 2835LED、3000K、TY3	DIMENSION:	SERIAL No.:

UNIT: cd



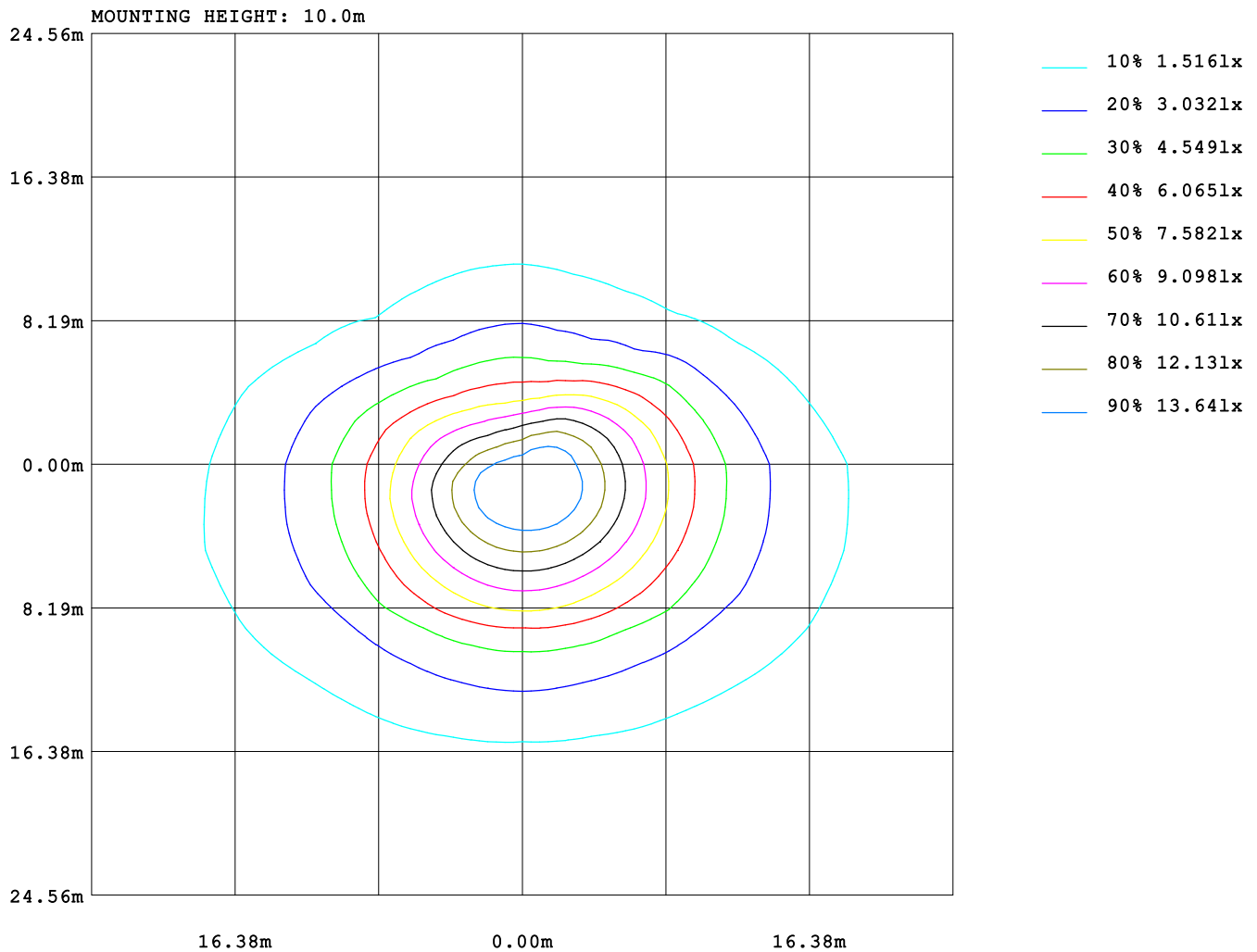
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

Test Set: 5.0 deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、3000K、TY3	DIMENSION:	SERIAL No.:



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Temperature: 25.3DEG  
Operators:  
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## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Agnes D	TYPE: IL-PO29D-N0402C-TY3	WEIGHT:
SPECIFICATION: 2835LED、3000K、TY3	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446	1446
5.0	1476	1500	1519	1535	1542	1545	1537	1526	1508	1488	1465	1442	1425	1399	1369
10.0	1511	1553	1581	1606	1612	1615	1600	1587	1558	1529	1491	1450	1410	1375	1293
15.0	1543	1601	1641	1669	1673	1672	1651	1634	1600	1567	1520	1462	1402	1333	1218
20.0	1572	1645	1693	1718	1714	1705	1680	1665	1637	1606	1548	1478	1404	1310	1183
25.0	1595	1681	1729	1752	1740	1732	1705	1692	1658	1628	1568	1493	1407	1297	1135
30.0	1614	1707	1755	1771	1752	1744	1717	1709	1675	1631	1576	1501	1415	1286	1090
35.0	1631	1730	1770	1779	1746	1743	1724	1709	1669	1636	1568	1499	1417	1282	1040
40.0	1645	1745	1772	1775	1732	1729	1696	1691	1649	1621	1555	1489	1432	1276	986
45.0	1647	1750	1768	1755	1668	1549	1482	1503	1568	1591	1530	1477	1450	1255	922
50.0	1618	1716	1740	1702	1438	1409	1401	1384	1387	1525	1508	1463	1454	1227	843
55.0	1550	1652	1676	1470	1334	1243	1206	1238	1275	1313	1479	1462	1406	1156	713
60.0	1450	1559	1562	1299	1052	930	886	932	1019	1189	1392	1431	1306	1034	599
65.0	1333	1438	1296	1049	755	612	564	649	754	965	1174	1349	1183	867	477
70.0	1100	1230	1068	717	371	284	271	340	425	653	996	1254	829	503	285
75.0	650	792	537	259	107	103	94.6	131	180	320	602	815	418	249	153
80.0	124	148	142	58.8	43.9	52.4	47.3	61.0	61.3	91.1	273	506	47.7	52.1	49.5
85.0	17.2	25.6	14.6	21.7	13.9	21.7	16.6	27.2	24.7	38.0	40.9	118	20.5	11.1	16.7
90.0	6.90	9.09	3.79	7.45	3.23	6.87	3.46	7.94	6.06	12.8	10.9	17.2	9.05	4.80	7.58

Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.07.18

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Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks:

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<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: Agnes D</b>	<b>TYPE: IL-PO29D-N0402C-TY3</b>	<b>WEIGHT:</b>
<b>SPECIFICATION: 2835LED、3000K、TY3</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	1446	1446	1446	1446	1446	1446	1446	1446	1446
5.0	1372	1334	1355	1338	1379	1378	1407	1434	1457
10.0	1265	1215	1213	1205	1262	1298	1358	1416	1464
15.0	1155	1093	1059	1072	1125	1201	1327	1392	1469
20.0	1065	978	922	918	979	1114	1261	1369	1467
25.0	982	886	839	825	847	984	1178	1338	1462
30.0	903	811	785	762	762	856	1081	1295	1461
35.0	824	730	689	677	663	731	973	1240	1449
40.0	740	646	641	636	614	639	834	1176	1423
45.0	634	594	594	592	564	578	695	1097	1357
50.0	569	538	523	510	482	507	599	909	1280
55.0	499	452	455	460	427	420	484	735	1147
60.0	401	394	384	383	353	353	376	582	968
65.0	324	320	332	325	287	292	283	406	685
70.0	232	229	231	209	190	173	169	194	381
75.0	110	99.4	91.7	84.0	68.5	72.2	54.5	61.2	67.5
80.0	38.1	48.6	38.6	39.8	29.1	31.1	19.5	23.2	14.1
85.0	11.1	15.6	7.32	10.5	4.61	8.71	3.32	8.23	3.62
90.0	3.82	6.39	3.24	6.03	3.39	6.25	4.01	7.30	4.73

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