

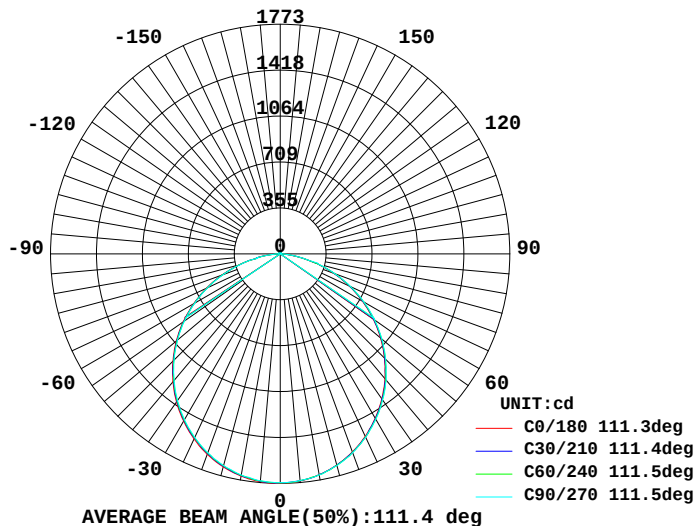
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Office Standart 82Ra 5000K 40W Opal		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4957	DIMENSION: 595x595x20	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1773	S/MH(C0/180)	1.25
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	4988.6	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	120.4	Current(A)	0.195
NOMINAL FLUX(lm)	4988.6	η up(%)	1.4	Power(W)	41.43
LAMPS QUANTITY	1	η down(%)	98.6	Power Factor(PF)	0.963
TEST VOLTAGE(V)	220.4	Effective Flux(lm)	4988.6	EEI	0.113

LUMINOUS INTENSITY DISTRIBUTION



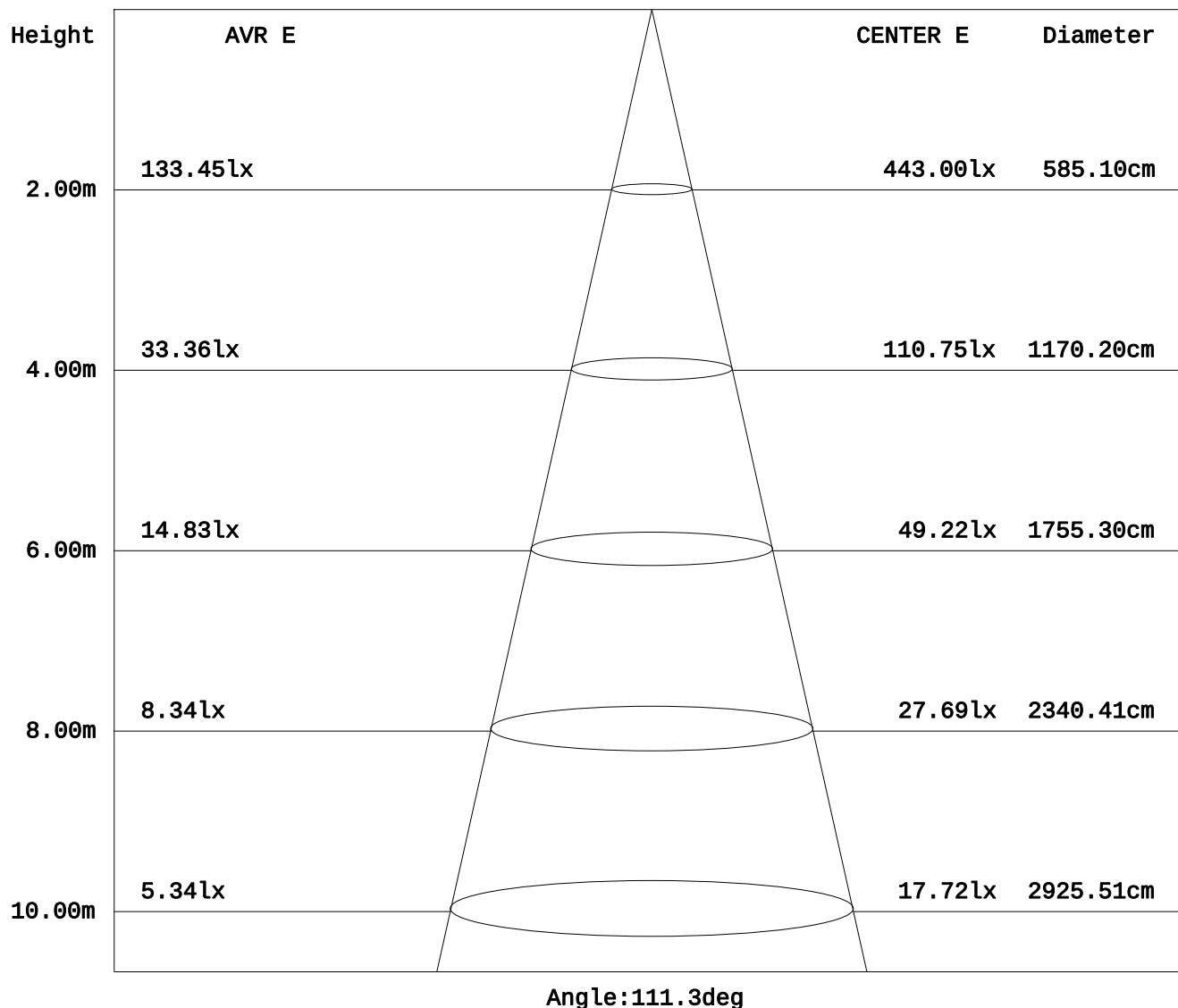
Test System:
 Temperature:25.3'C
 Operators:
 Test Date:03-21-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 86Ra. 1.0% Flicker. 30.8 Temp

AVERAGE AND CENTER E Figure

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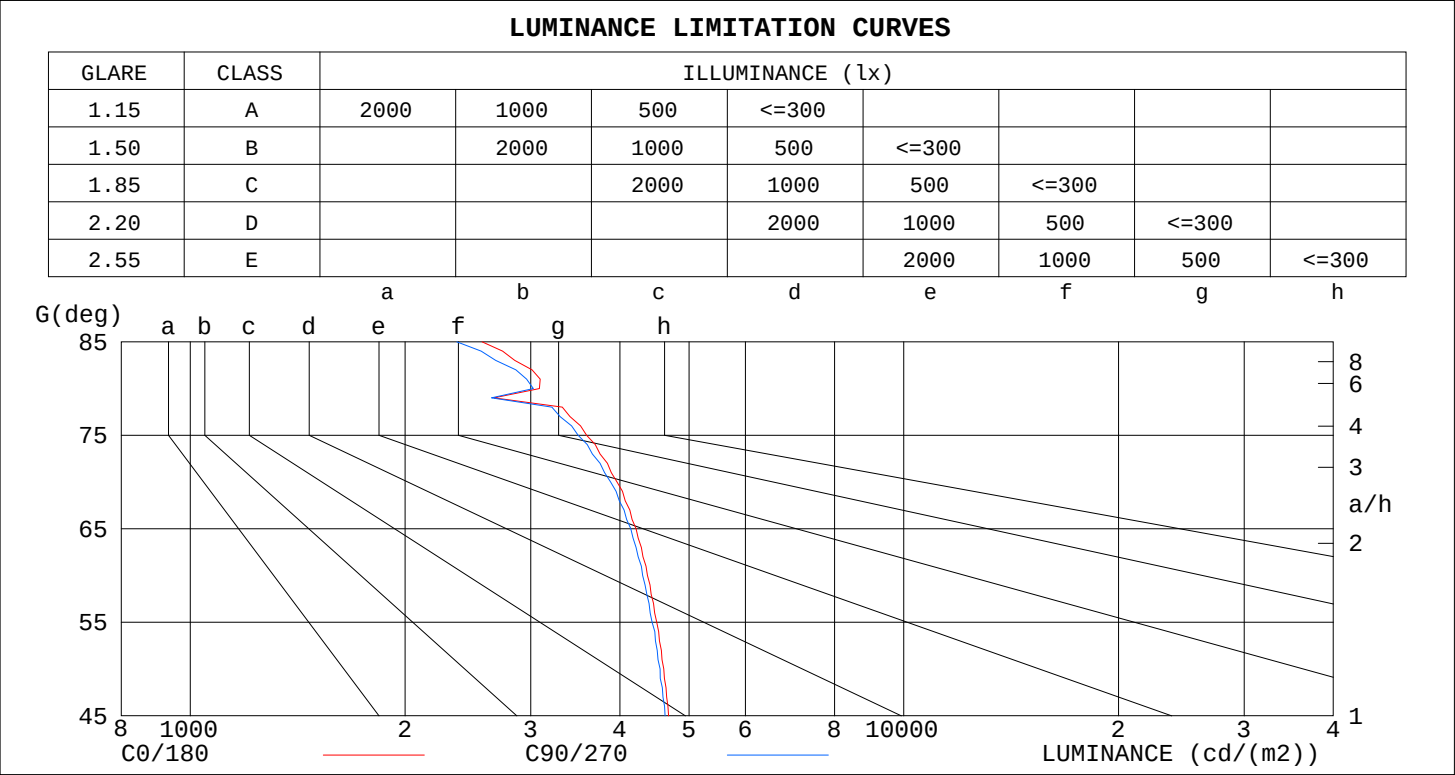
Test System:
Temperature: 25.3°C
Operators:
Test Date: 03-21-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
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LUMINANCE LIMITATION CURVES

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LUMINANCE cd/m2		
G(deg)	C0/180	C90/270
85	2564	2363
80	3086	3026
75	3594	3496
70	3963	3882
65	4215	4145
60	4371	4305
55	4505	4439
50	4609	4554
45	4682	4629

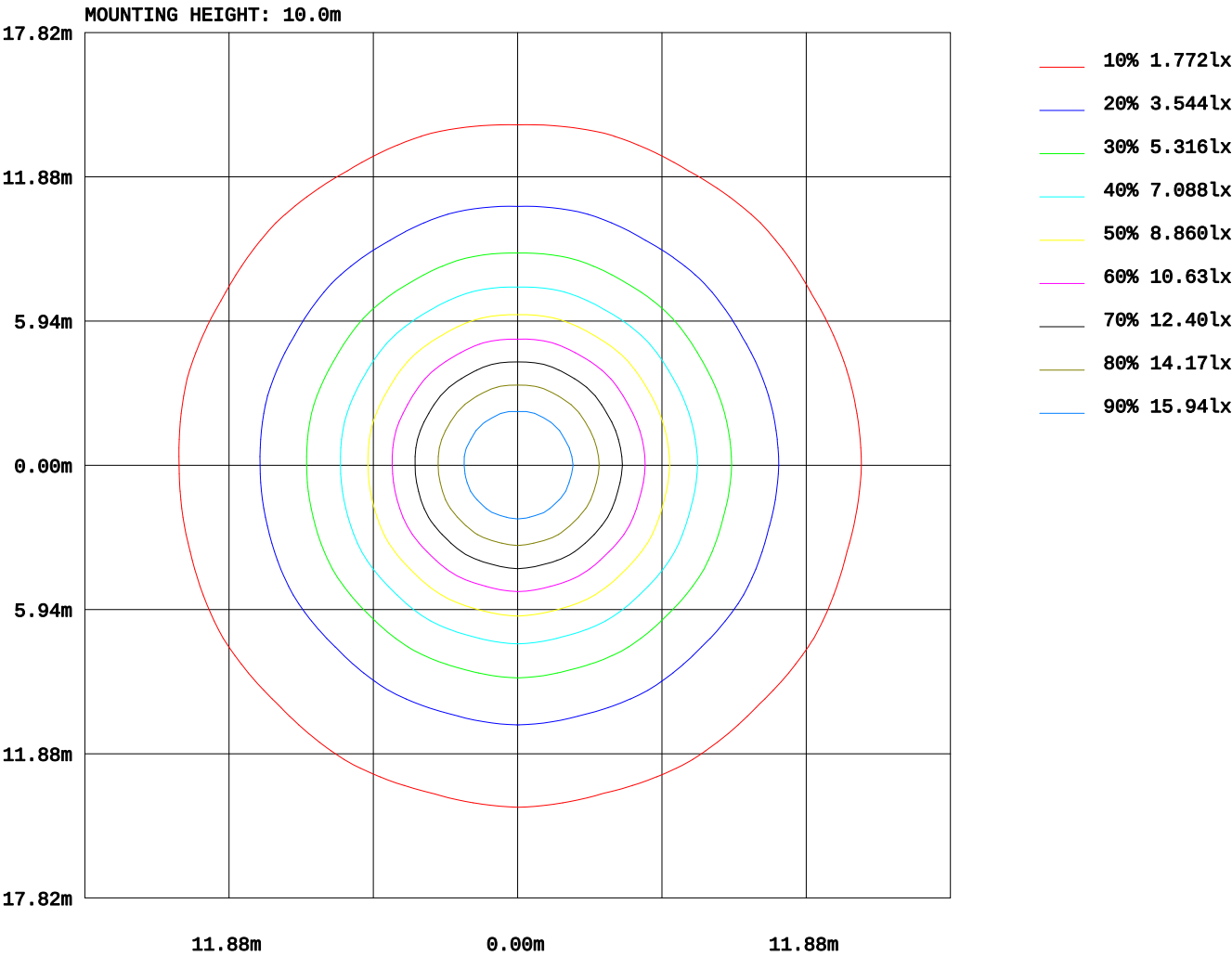
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ISOLUX DIAGRAM

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UGR Table

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SPECIFICATION:	CCT(K): 4957	DIMENSION: 595x595x20		SERIAL No.:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	18.0	19.5	18.3	19.7	20.0	17.9	19.4	18.2	19.7	19.9
3H	19.5	20.8	19.8	21.1	21.4	19.4	20.8	19.7	21.0	21.3
4H	20.0	21.3	20.4	21.6	21.9	19.9	21.2	20.3	21.5	21.8
6H	20.4	21.6	20.7	21.9	22.2	20.3	21.5	20.6	21.8	22.1
8H	20.5	21.7	20.8	22.0	22.3	20.3	21.5	20.7	21.8	22.2
12H	20.5	21.7	20.9	22.0	22.3	20.4	21.5	20.8	21.9	22.2
4H 2H	18.6	19.9	18.9	20.2	20.5	18.5	19.9	18.9	20.1	20.4
3H	20.2	21.4	20.6	21.7	22.0	20.2	21.3	20.6	21.6	22.0
4H	20.9	22.0	21.3	22.3	22.7	20.8	21.9	21.2	22.2	22.6
6H	21.3	22.3	21.8	22.6	23.0	21.2	22.2	21.6	22.5	22.9
8H	21.5	22.3	21.9	22.7	23.1	21.3	22.2	21.8	22.6	23.0
12H	21.5	22.3	22.0	22.7	23.2	21.4	22.2	21.9	22.6	23.0
8H 4H	21.1	22.0	21.6	22.4	22.8	21.1	21.9	21.5	22.3	22.7
6H	21.7	22.4	22.2	22.8	23.3	21.6	22.3	22.1	22.7	23.2
8H	21.9	22.5	22.4	23.0	23.4	21.8	22.4	22.3	22.9	23.3
12H	22.0	22.5	22.5	23.0	23.5	21.9	22.4	22.4	22.9	23.4
12H 4H	21.1	21.9	21.6	22.3	22.8	21.1	21.8	21.5	22.3	22.7
6H	21.7	22.3	22.2	22.8	23.3	21.6	22.2	22.1	22.7	23.2
8H	21.9	22.5	22.4	23.0	23.5	21.8	22.4	22.3	22.8	23.4

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.1
1.5H	+ 0.1 / - 0.3	+ 0.1 / - 0.2
2.0H	+ 0.2 / - 0.4	+ 0.2 / - 0.4

CIE Pub.117 Corrected 4989 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.6)

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:				CCT(K): 4957				DIMENSION: 595x595x20				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	1772	1771	1768	1771	1769	1767	1767	1768	1766	1769	1767	1768	1772	1771	1768
5.0	1766	1760	1762	1759	1760	1757	1759	1758	1759	1756	1760	1757	1760	1761	1759
10.0	1743	1735	1738	1731	1736	1730	1734	1729	1734	1730	1734	1731	1732	1736	1731
15.0	1703	1692	1697	1688	1694	1686	1693	1682	1691	1684	1692	1686	1689	1695	1689
20.0	1648	1634	1642	1630	1638	1626	1635	1625	1635	1624	1635	1626	1627	1636	1631
25.0	1577	1564	1570	1559	1567	1555	1564	1554	1563	1551	1564	1554	1555	1565	1560
30.0	1492	1476	1487	1471	1483	1468	1479	1464	1477	1464	1477	1465	1467	1480	1470
35.0	1398	1379	1392	1374	1388	1368	1384	1366	1382	1365	1383	1365	1366	1381	1369
40.0	1290	1270	1283	1267	1280	1261	1275	1257	1274	1257	1273	1257	1259	1277	1264
45.0	1172	1151	1166	1146	1162	1142	1159	1140	1157	1137	1156	1138	1139	1157	1142
50.0	1049	1022	1044	1017	1040	1014	1036	1011	1034	1009	1032	1010	1010	1030	1014
55.0	915	891	910	886	906	882	901	880	900	877	899	878	877	900	882
60.0	774	748	769	744	766	741	762	737	761	736	758	736	735	759	739
65.0	631	600	626	596	623	593	620	591	618	588	616	589	588	613	592
70.0	480	452	476	449	473	446	470	444	469	441	467	442	441	468	445
75.0	329	303	326	303	323	300	320	303	319	300	318	301	300	318	300
80.0	190	153	189	150	187	147	186	146	186	144	185	146	145	184	148
85.0	79.0	46.2	75.8	44.7	74.2	43.7	72.8	42.0	70.0	39.3	70.2	42.5	43.0	71.8	43.7
90.0	15.0	4.20	15.0	4.30	14.8	4.10	14.2	3.90	13.3	3.80	13.2	3.90	4.30	14.2	4.20
95.0	11.5	4.60	11.4	4.60	11.5	4.70	11.5	4.70	11.4	4.70	11.4	4.70	5.10	11.5	4.80
100.0	11.2	5.50	11.1	5.50	11.2	5.50	11.1	5.50	11.1	5.50	11.1	5.50	6.00	11.3	5.60
105.0	11.1	6.30	11.1	6.30	11.1	6.40	11.2	6.40	11.1	6.40	11.1	6.40	7.00	11.3	6.50
110.0	11.3	7.10	11.2	7.20	11.2	7.30	11.3	7.30	11.3	7.20	11.2	7.20	7.90	11.5	7.40
115.0	11.5	8.00	11.5	8.00	11.5	8.10	11.5	8.10	11.5	8.10	11.5	8.10	8.80	11.8	8.20
120.0	12.0	8.80	11.9	8.90	11.9	8.90	12.1	8.90	12.0	8.90	12.0	8.90	9.70	12.2	9.09
125.0	12.6	9.60	12.3	9.70	12.4	9.70	12.5	9.80	12.4	9.70	12.3	9.80	10.5	12.6	9.90
130.0	13.0	10.4	12.8	10.4	12.8	10.5	13.0	10.5	12.9	10.5	12.9	10.5	11.4	13.2	10.7
135.0	13.6	11.2	13.2	11.2	13.3	11.3	13.4	11.2	13.3	11.2	13.4	11.4	12.2	13.7	11.5
140.0	14.0	11.9	13.7	11.9	13.7	12.0	13.9	11.9	13.7	12.0	13.9	12.2	12.9	14.2	12.2
145.0	14.5	12.6	14.1	12.5	14.3	12.7	14.4	12.6	14.2	12.6	14.4	12.9	13.7	14.8	12.8
150.0	15.0	13.2	14.5	13.0	14.7	13.3	14.7	13.2	14.5	13.2	14.8	13.6	14.2	15.2	13.5
155.0	15.2	13.7	15.0	13.7	15.0	13.9	15.0	13.7	15.0	13.7	15.0	14.0	15.2	15.5	13.9
160.0	15.6	14.3	15.4	14.2	15.4	14.3	15.4	14.2	15.4	14.1	15.4	14.4	15.0	15.8	14.2
165.0	15.9	14.5	15.7	14.5	15.5	14.5	15.7	14.5	15.7	14.5	15.6	14.5	15.2	15.8	14.5
170.0	16.0	14.9	15.8	14.8	15.7	14.8	15.9	14.8	15.8	14.8	15.8	14.8	15.6	15.9	14.8
175.0	16.1	15.0	15.9	15.0	15.8	14.9	16.1	14.9	15.9	15.0	15.8	15.0	15.8	15.9	15.0
180.0	16.1	15.2	15.8	15.2	15.8	15.2	16.0	15.2	15.8	15.2	15.8	15.2	16.2	15.8	15.2

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Temperature:25.3'C
Operators:
Test Date:03-21-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 86Ra. 1.0% Flicker. 30.8 Temp

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION:	CCT(K): 4957	DIMENSION: 595x595x20	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1771	1769	1767	1767	1768	1766	1769	1767	1768
5.0	1759	1758	1761	1756	1759	1758	1762	1758	1761
10.0	1739	1733	1738	1734	1737	1733	1739	1732	1738
15.0	1696	1690	1698	1692	1698	1694	1699	1691	1697
20.0	1640	1631	1641	1634	1643	1635	1642	1633	1640
25.0	1569	1560	1573	1564	1574	1564	1573	1562	1571
30.0	1484	1474	1488	1476	1490	1476	1489	1475	1486
35.0	1386	1376	1392	1377	1393	1379	1392	1376	1389
40.0	1283	1269	1286	1273	1288	1271	1285	1269	1282
45.0	1165	1149	1168	1152	1170	1152	1169	1149	1166
50.0	1037	1020	1043	1024	1044	1023	1042	1021	1039
55.0	906	889	912	891	913	890	912	889	909
60.0	766	746	770	749	771	748	770	746	769
65.0	619	598	624	600	624	599	623	598	622
70.0	473	450	477	452	477	451	476	450	475
75.0	323	301	327	303	326	301	326	301	325
80.0	187	151	188	152	188	151	187	150	187
85.0	75.3	47.2	77.7	47.4	76.7	45.7	75.4	44.5	74.5
90.0	15.0	4.30	14.9	4.00	14.0	3.80	13.5	3.80	13.7
95.0	11.5	4.70	11.5	4.70	11.5	4.70	11.4	4.60	11.4
100.0	11.2	5.60	11.2	5.50	11.2	5.40	11.1	5.50	11.1
105.0	11.2	6.40	11.2	6.40	11.1	6.30	11.0	6.30	11.1
110.0	11.4	7.30	11.5	7.30	11.3	7.20	11.2	7.20	11.2
115.0	11.7	8.10	11.5	8.10	11.5	8.00	11.5	8.00	11.5
120.0	12.1	9.00	12.0	9.00	12.0	8.80	11.9	8.80	11.9
125.0	12.5	9.80	12.5	9.80	12.4	9.60	12.3	9.60	12.4
130.0	13.0	10.5	12.9	10.5	12.8	10.4	12.8	10.4	12.9
135.0	13.5	11.3	13.3	11.2	13.3	11.2	13.3	11.1	13.3
140.0	14.0	11.9	13.7	11.9	13.7	11.9	13.7	11.8	13.7
145.0	14.4	12.5	14.1	12.5	14.3	12.5	14.2	12.5	14.3
150.0	14.7	13.0	14.5	13.0	14.7	13.2	14.5	13.0	14.7
155.0	15.0	13.6	14.9	13.6	15.0	13.7	14.9	13.7	15.0
160.0	15.2	14.1	15.2	14.1	15.4	14.1	15.2	14.2	15.5
165.0	15.6	14.5	15.5	14.5	15.6	14.4	15.6	14.7	15.8
170.0	15.8	14.8	15.7	14.9	15.7	14.7	15.7	14.8	15.8
175.0	15.9	15.0	15.7	15.2	15.8	14.9	15.8	15.0	15.8
180.0	15.9	15.2	15.7	15.5	15.8	15.2	15.8	15.2	15.8

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