
Report No	:		Voltage	:	V
Test No	:	A2017189B001	Current	:	A
LumCAT	:	0028920009	Power	:	32.829 W
Luminaire	:	Panel UGR19 Backlit 600 x 600 32W 4000K NDIM	PF	:	
LampCAT	:	N/A	Ballast type	:	
Lamp flux	:	lm	Width	:	555 mm
Number of Lamps	:	1	Length	:	555 mm
Phm Type	:	C	Height	:	0 mm

Photometric Results

Lumens(lm)	:	3596.08	Central intensity(cd)	:	1723.200
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1725.700
Luminous Efficacy(lm/W)	:	109.54	Angle of maximum intensity	:	C=210.0 γ =1.0
Beam Angle(50%Imax)	:	[C0/180]Total=86.4 [C90/270]Total=89.0			
Field angle(10%Imax)	:	[C0/180]Total=138.5 [C90/270]Total=146.4			
Maximum s/h(1/2)	:	C0_180=1.25 C90_270=1.27			
Maximum s/h(1/4)	:	C0_180=1.23 C90_270=1.27			
CIE Type	:	Direct lighting			
Output flux ratio in π solid angle	:	87.395%			

Equipment:
Temperature(°C): 24.9

Date:
Humidity(%): 50%

Operator: LSC

Zonal flux distribution table

Appendix Page: 2 Total:16

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1723.200	0.000	0	0.00%	0.00%
1.0	1724.075	1.649	1.649	0.05%	0.05%
2.0	1723.300	4.948	6.597	0.14%	0.18%
3.0	1721.883	8.240	14.837	0.23%	0.41%
4.0	1719.983	11.521	26.358	0.32%	0.73%
5.0	1717.383	14.787	41.146	0.41%	1.14%
6.0	1714.433	18.035	59.181	0.50%	1.65%
7.0	1710.842	21.261	80.441	0.59%	2.24%
8.0	1706.600	24.458	104.899	0.68%	2.92%
9.0	1701.942	27.624	132.524	0.77%	3.69%
10.0	1696.508	30.755	163.278	0.86%	4.54%
11.0	1690.667	33.845	197.123	0.94%	5.48%
12.0	1684.350	36.894	234.017	1.03%	6.51%
13.0	1677.358	39.895	273.912	1.11%	7.62%
14.0	1669.975	42.846	316.758	1.19%	8.81%
15.0	1661.950	45.742	362.5	1.27%	10.08%
16.0	1653.458	48.580	411.08	1.35%	11.43%
17.0	1644.700	51.361	462.441	1.43%	12.86%
18.0	1635.017	54.075	516.516	1.50%	14.36%
19.0	1625.283	56.723	573.239	1.58%	15.94%
20.0	1614.508	59.297	632.536	1.65%	17.59%
21.0	1603.850	61.799	694.335	1.72%	19.31%
22.0	1591.692	64.216	758.551	1.79%	21.09%
23.0	1578.908	66.528	825.079	1.85%	22.94%
24.0	1565.992	68.759	893.837	1.91%	24.86%
25.0	1551.317	70.881	964.718	1.97%	26.83%
26.0	1536.558	72.890	1037.608	2.03%	28.85%
27.0	1519.783	74.774	1112.382	2.08%	30.93%
28.0	1502.092	76.507	1188.889	2.13%	33.06%
29.0	1482.958	78.097	1266.987	2.17%	35.23%
30.0	1461.150	79.490	1346.477	2.21%	37.44%
31.0	1438.375	80.690	1427.167	2.24%	39.69%
32.0	1411.908	81.657	1508.824	2.27%	41.96%
33.0	1382.508	82.325	1591.148	2.29%	44.25%
34.0	1349.392	82.675	1673.824	2.30%	46.55%
35.0	1311.383	82.634	1756.458	2.30%	48.84%
36.0	1270.958	82.222	1838.68	2.29%	51.13%
37.0	1224.717	81.395	1920.075	2.26%	53.39%

Equipment:
Temperature($^{\circ}$ C): 24.9

Date:
Humidity(%): 50%

Operator: LSC

Zonal flux distribution table

Appendix Page: 3 Total:16

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
38.0	1175.450	80.114	2000.189	2.23%	55.62%
39.0	1124.125	78.491	2078.68	2.18%	57.80%
40.0	1068.800	76.481	2155.161	2.13%	59.93%
41.0	1015.525	74.222	2229.383	2.06%	61.99%
42.0	958.333	71.714	2301.097	1.99%	63.99%
43.0	904.833	69.017	2370.114	1.92%	65.91%
44.0	847.692	66.145	2436.259	1.84%	67.75%
45.0	793.425	63.070	2499.329	1.75%	69.50%
46.0	742.750	60.076	2559.406	1.67%	71.17%
47.0	693.025	57.104	2616.51	1.59%	72.76%
48.0	649.625	54.277	2670.787	1.51%	74.27%
49.0	606.917	51.601	2722.388	1.43%	75.70%
50.0	569.042	49.030	2771.417	1.36%	77.07%
51.0	533.242	46.636	2818.053	1.30%	78.36%
52.0	499.392	44.311	2862.364	1.23%	79.60%
53.0	468.442	42.101	2904.465	1.17%	80.77%
54.0	437.383	39.925	2944.39	1.11%	81.88%
55.0	409.058	37.784	2982.174	1.05%	82.93%
56.0	382.425	35.765	3017.939	0.99%	83.92%
57.0	356.783	33.798	3051.737	0.94%	84.86%
58.0	334.667	31.975	3083.712	0.89%	85.75%
59.0	313.467	30.301	3114.013	0.84%	86.59%
60.0	295.592	28.774	3142.787	0.80%	87.39%
61.0	279.267	27.433	3170.22	0.76%	88.16%
62.0	265.192	26.235	3196.455	0.73%	88.89%
63.0	253.158	25.210	3221.665	0.70%	89.59%
64.0	242.025	24.298	3245.964	0.68%	90.26%
65.0	232.458	23.482	3269.446	0.65%	90.92%
66.0	223.133	22.731	3292.177	0.63%	91.55%
67.0	214.350	21.998	3314.175	0.61%	92.16%
68.0	206.058	21.297	3335.471	0.59%	92.75%
69.0	197.275	20.576	3356.047	0.57%	93.33%
70.0	189.167	19.847	3375.894	0.55%	93.88%
71.0	180.700	19.117	3395.011	0.53%	94.41%
72.0	172.442	18.362	3413.373	0.51%	94.92%
73.0	164.125	17.600	3430.973	0.49%	95.41%
74.0	155.750	16.817	3447.79	0.47%	95.88%
75.0	148.025	16.050	3463.84	0.45%	96.32%

Equipment:
Temperature($^{\circ}$ C): 24.9

Date:
Humidity(%): 50%

Operator: LSC

Zonal flux distribution table

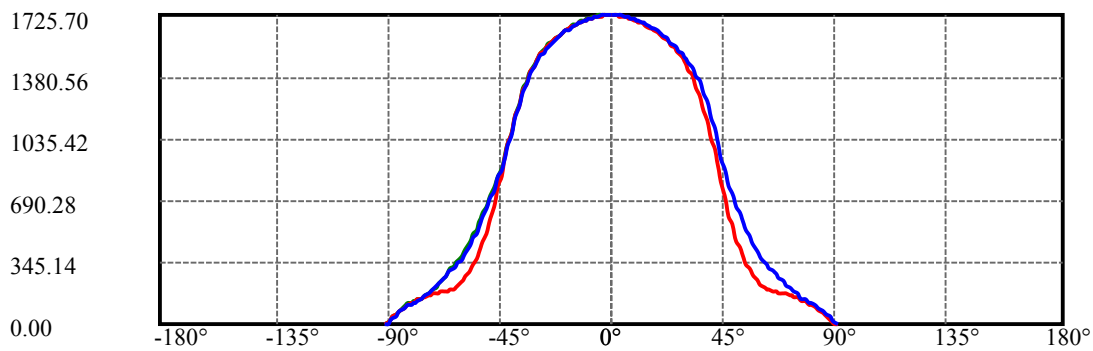
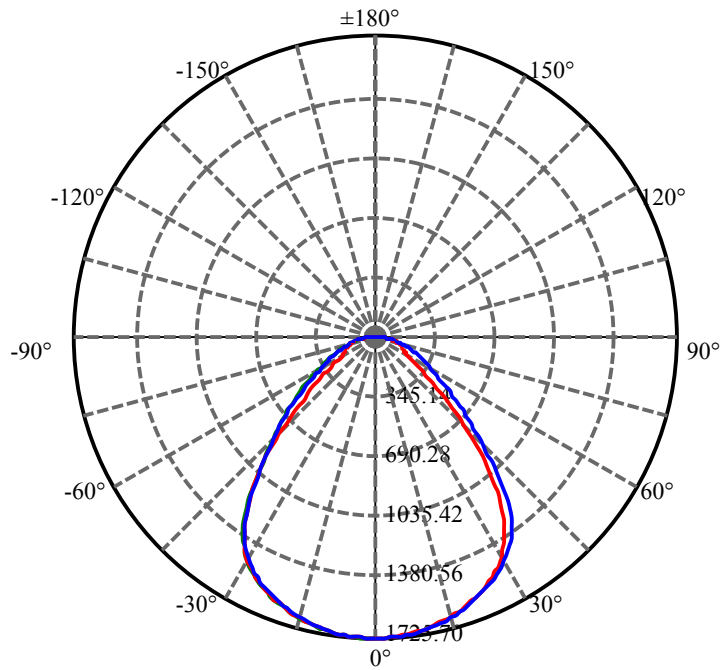
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
76.0	140.083	15.294	3479.134	0.43%	96.75%
77.0	132.667	14.542	3493.676	0.40%	97.15%
78.0	125.575	13.824	3507.5	0.38%	97.54%
79.0	118.350	13.106	3520.606	0.36%	97.90%
80.0	111.375	12.385	3532.991	0.34%	98.25%
81.0	103.325	11.611	3544.602	0.32%	98.57%
82.0	94.675	10.737	3555.339	0.30%	98.87%
83.0	84.442	9.737	3565.076	0.27%	99.14%
84.0	72.875	8.570	3573.646	0.24%	99.38%
85.0	60.192	7.263	3580.909	0.20%	99.58%
86.0	46.992	5.859	3586.767	0.16%	99.74%
87.0	33.300	4.394	3591.162	0.12%	99.86%
88.0	19.867	2.912	3594.074	0.08%	99.94%
89.0	8.358	1.547	3595.621	0.04%	99.99%
90.0	0.100	0.464	3596.085	0.01%	100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1346.48	37.44%
0-40	2155.16	59.93%
0-60	3142.79	87.39%
0-90	3595.62	99.99%
0-120	3595.62	99.99%
0-180	3596.08	100.00%
60-90	452.83	12.59%
90-120	0.00	0.00%
90-130	0.00	0.00%
90-150	0.00	0.00%
90-180	0.00	0.00%
0-52.34	2876.87	80.00%

ZONAL LUMEN SUMMARY

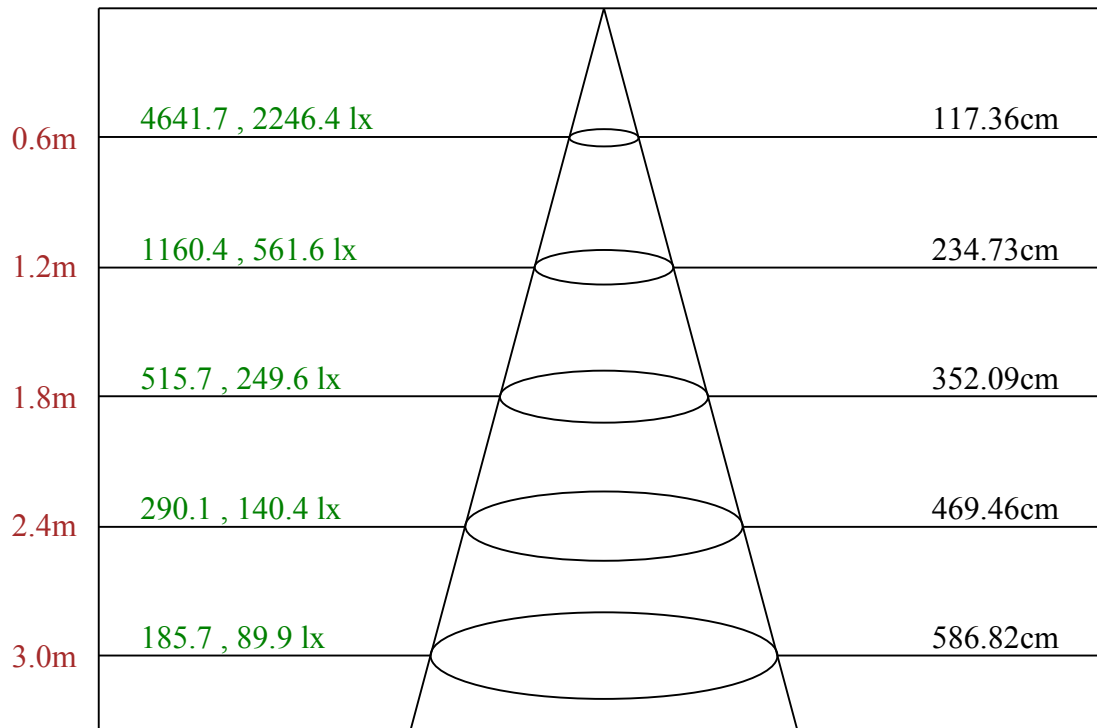
0-10	163.28
10-20	469.26
20-30	713.94
30-40	808.68
40-50	616.26
50-60	371.37
60-70	233.11
70-80	157.10
80-90	62.63
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



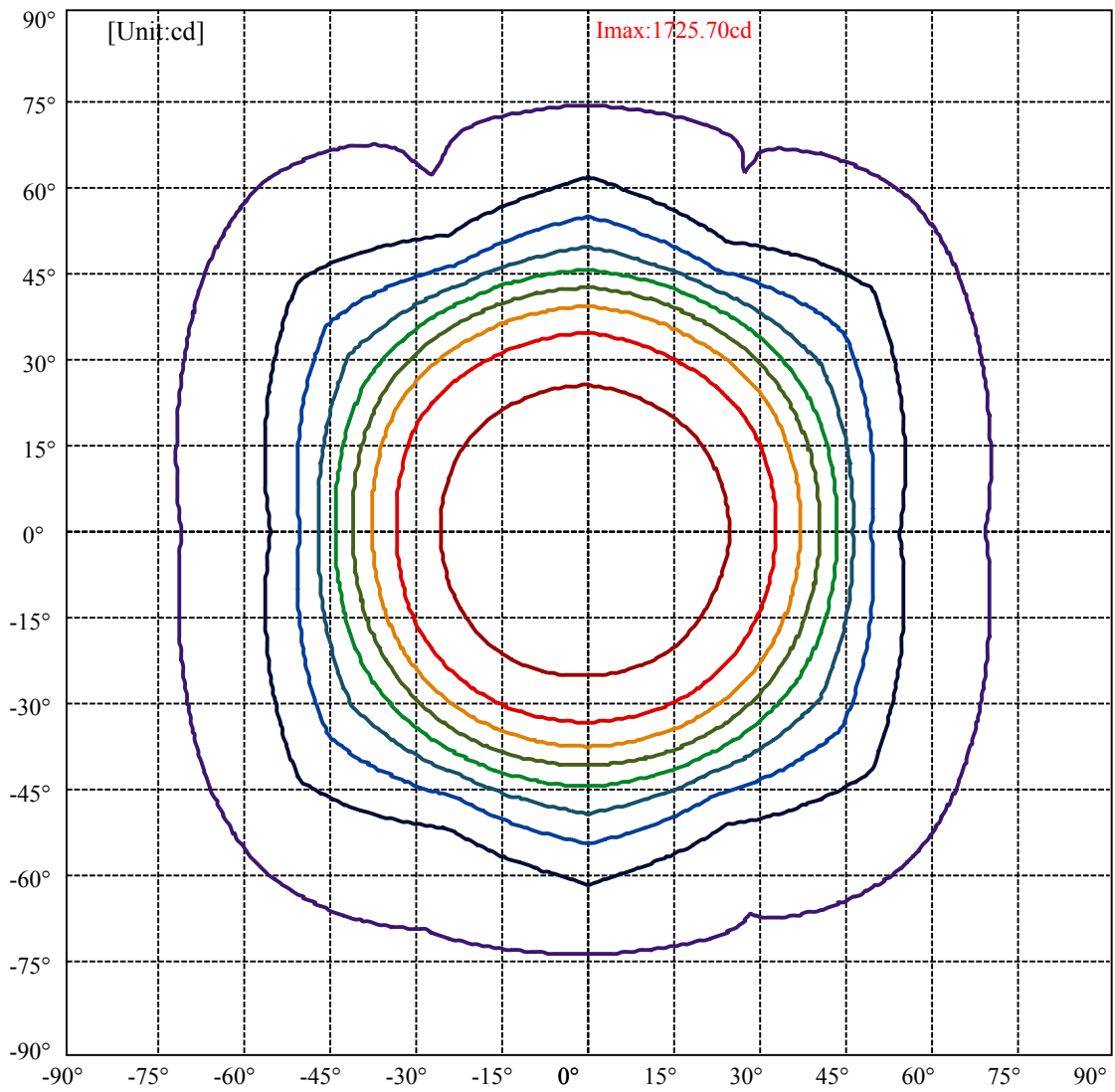
C210(Max): —
 C0/C180: —
 C90/C270: —

Field angle(10%Imax):C0/180Left:69.1 Right:69.4
 :C90/270Left:71.9 Right:74.5

Beam Angle(50%Imax):C0/180Left:42.5 Right:43.9
 :C90/270Left:42.9 Right:46.1



Max , Ave Beam angle of C210 plane 87.82

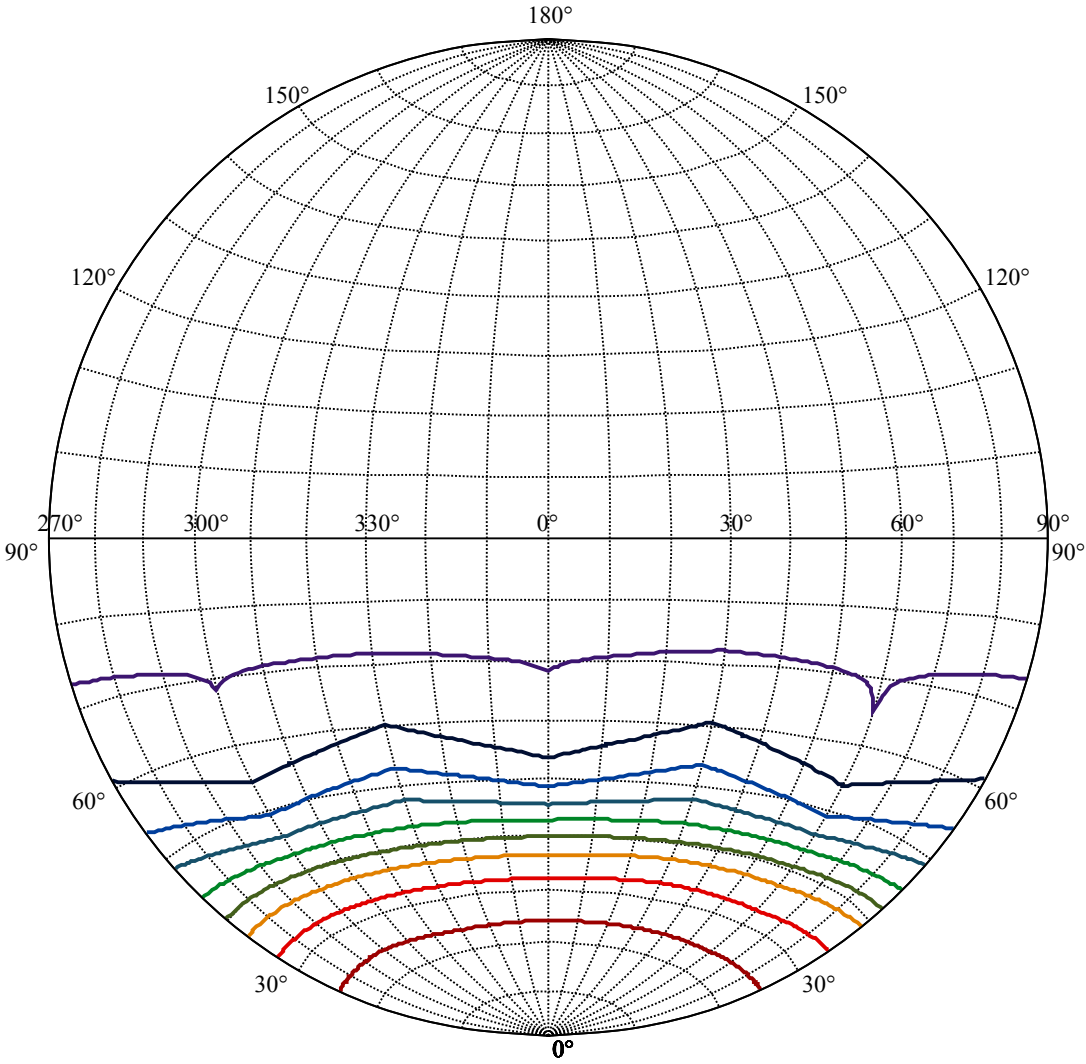


(10%Imax)	172.508	—
(20%Imax)	345.015	—
(30%Imax)	517.523	—
(40%Imax)	690.03	—
(50%Imax)	862.538	—
(60%Imax)	1035.05	—
(70%Imax)	1207.55	—
(80%Imax)	1380.06	—
(90%Imax)	1552.57	—

Equipment:
Temperature(°C): 24.9

Date:
Humidity(%): 50%

Operator: LSC



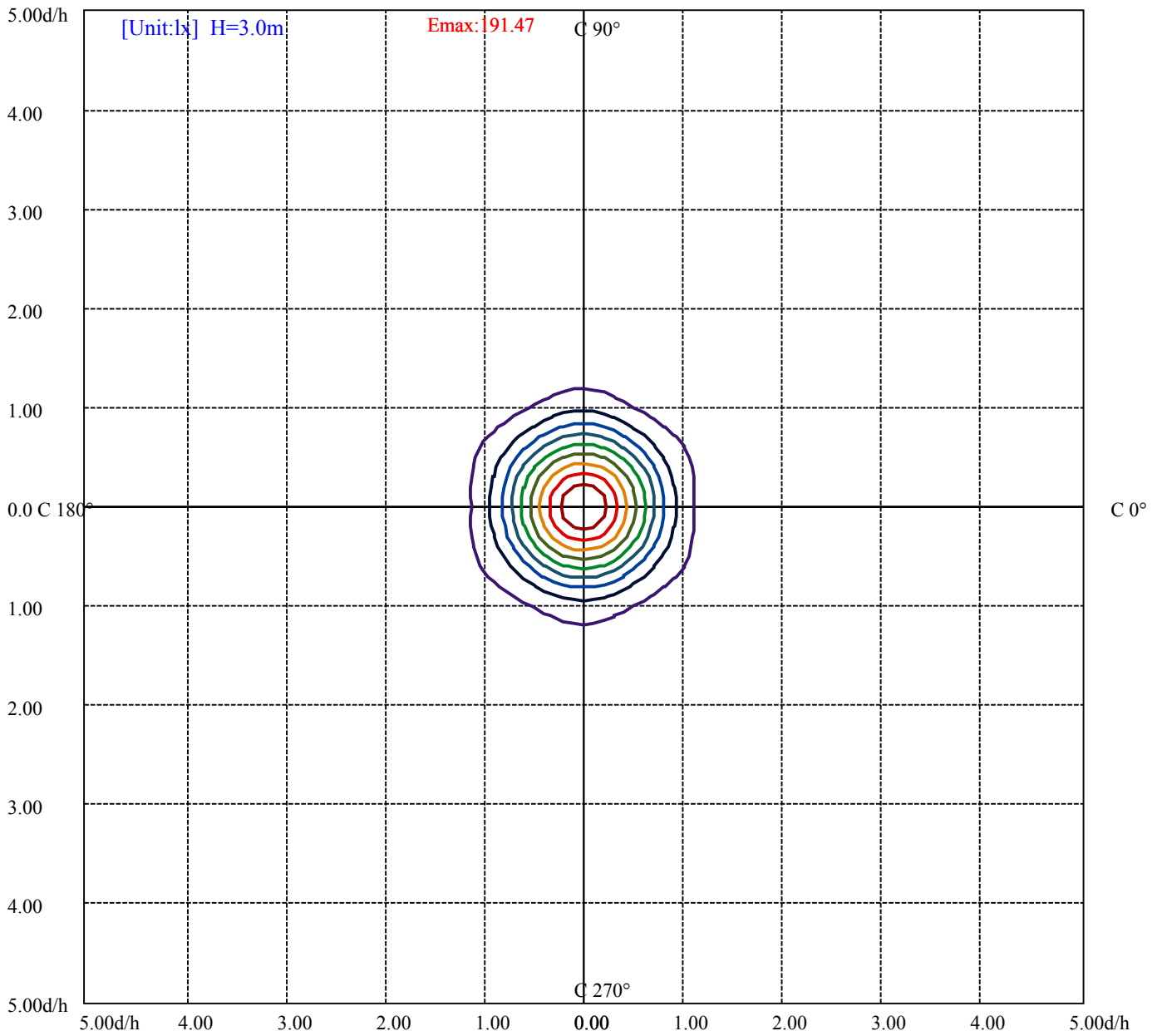
House

[Unit:cd]

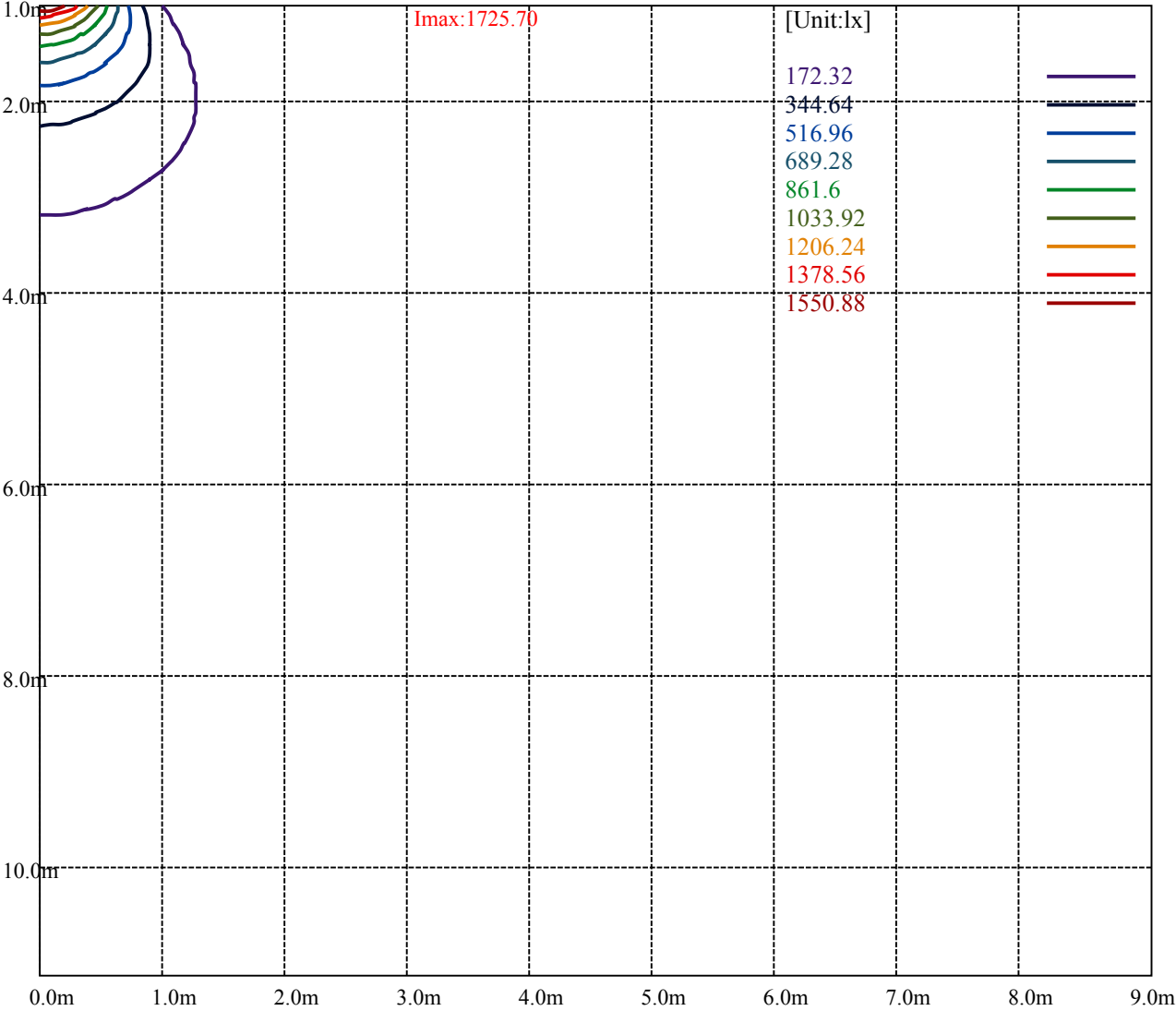
Road

I_{max}:1725.70

(10%I _{max}) 172.57	—
(20%I _{max}) 345.14	—
(30%I _{max}) 517.71	—
(40%I _{max}) 690.28	—
(50%I _{max}) 862.85	—
(60%I _{max}) 1035.42	—
(70%I _{max}) 1207.99	—
(80%I _{max}) 1380.56	—
(90%I _{max}) 1553.13	—



(10%Emax) 19.14667	—
(20%Emax) 38.29333	—
(30%Emax) 57.44	—
(40%Emax) 76.58667	—
(50%Emax) 95.73333	—
(60%Emax) 114.88	—
(70%Emax) 134.0267	—
(80%Emax) 153.1733	—
(90%Emax) 172.32	—



Luminance Limiting Curve(no luminous side)

Luminance Table

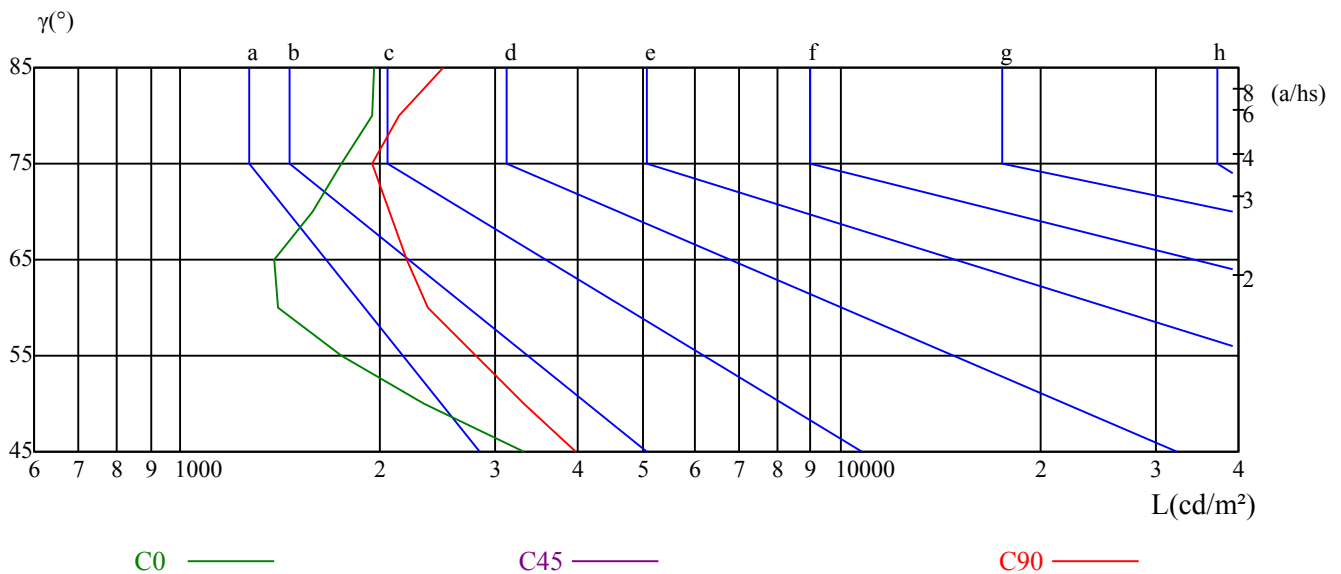
γ	45	50	55	60	65	70	75	80	85
C0	3313	2345	1753	1404	1384	1580	1750	1944	1959
C45	0	0	0	0	0	0	0	0	0
C90	3977	3313	2801	2369	2206	2076	1949	2135	2496

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1410	2198	0	1810	1905	0	2198	2349	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

Luminance Limiting Curve



Equipment:
Temperature(°C): 24.9

Date:
Humidity(%): 50%

Operator: LSC

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	14.75	16.19	15.11	16.51	16.82	14.79	16.23	15.15	16.55	16.86
	3H	15.67	16.97	16.06	17.31	17.65	15.93	17.23	16.32	17.57	17.91
	4H	16.18	17.40	16.58	17.75	18.11	16.50	17.72	16.90	18.07	18.43
	6H	16.75	17.87	17.16	18.24	18.64	17.08	18.20	17.49	18.57	18.97
	8H	16.99	18.07	17.40	18.45	18.85	17.35	18.44	17.77	18.82	19.22
	12H	17.16	18.20	17.58	18.59	19.00	17.59	18.63	18.01	19.01	19.42
4H	2H	15.09	16.31	15.49	16.66	17.02	15.10	16.32	15.50	16.67	17.03
	3H	16.30	17.33	16.72	17.72	18.13	16.41	17.44	16.83	17.83	18.24
	4H	17.02	17.93	17.45	18.34	18.78	17.20	18.10	17.63	18.52	18.96
	6H	17.73	18.54	18.20	18.98	19.43	17.92	18.73	18.38	19.17	19.61
	8H	18.09	18.84	18.56	19.29	19.76	18.32	19.07	18.79	19.52	19.98
	12H	18.35	19.06	18.83	19.50	20.00	18.66	19.36	19.14	19.81	20.31
8H	4H	17.28	18.03	17.75	18.48	18.94	17.44	18.20	17.92	18.65	19.11
	6H	18.20	18.84	18.70	19.30	19.80	18.34	18.97	18.83	19.44	19.94
	8H	18.73	19.28	19.25	19.80	20.29	18.90	19.45	19.41	19.96	20.45
	12H	19.11	19.57	19.63	20.08	20.59	19.36	19.82	19.88	20.33	20.84
12H	4H	17.32	18.02	17.80	18.47	18.97	17.49	18.19	17.97	18.63	19.14
	6H	18.35	18.90	18.87	19.42	19.90	18.49	19.04	19.00	19.55	20.04
	8H	18.90	19.37	19.43	19.88	20.39	19.05	19.52	19.58	20.03	20.54
Variation with the observer position at spacings:											
S = 1.0H	0.4/-0.7					0.5/-0.9					
S = 1.5H	1.0/-1.1					0.8/-1.4					
S = 2.0H	1.7/-1.2					1.4/-1.4					
Standard tables:	BKBF					BK4					
Uncorrected UGR	3.4					0.4					

UGR calculation is based on CIE Publ. 117 ,S/H = 0.25

Intensity data(cd)

C/γ(°)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0
0.0	1723.20	1722.70	1721.80	1719.90	1717.50	1714.70	1711.20	1707.30	1702.80
30.0	1723.20	1724.70	1723.60	1722.00	1719.80	1716.60	1713.30	1709.30	1704.60
60.0	1723.20	1723.70	1722.40	1720.50	1718.30	1715.10	1712.10	1707.60	1702.90
90.0	1723.20	1724.40	1723.70	1722.50	1720.60	1717.60	1715.10	1711.40	1707.70
120.0	1723.20	1724.60	1723.70	1722.40	1720.50	1718.10	1715.30	1711.90	1707.30
150.0	1723.20	1723.50	1723.10	1722.10	1720.80	1718.60	1716.20	1713.40	1709.60
180.0	1723.20	1723.30	1722.80	1721.80	1720.10	1717.60	1715.10	1711.90	1708.10
210.0	1723.20	1725.70	1725.40	1724.40	1723.00	1720.80	1718.10	1715.00	1711.00
240.0	1723.20	1724.70	1724.40	1723.40	1721.80	1719.80	1717.20	1714.30	1710.30
270.0	1723.20	1724.70	1723.80	1722.30	1720.40	1718.30	1714.90	1711.20	1707.20
300.0	1723.20	1724.10	1723.50	1722.00	1720.00	1717.40	1714.00	1710.60	1706.10
330.0	1723.20	1722.80	1721.40	1719.30	1717.00	1714.00	1710.70	1706.20	1701.60
360.0	1723.20	1722.70	1721.80	1719.90	1717.50	1714.70	1711.20	1707.30	1702.80

C/γ(°)	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0
0.0	1697.80	1691.90	1685.70	1679.00	1671.80	1663.90	1655.90	1646.40	1638.10
30.0	1699.50	1693.80	1686.90	1680.80	1672.70	1665.50	1656.30	1647.40	1638.00
60.0	1697.90	1691.90	1685.50	1679.10	1671.60	1663.80	1655.50	1647.00	1637.60
90.0	1702.70	1697.80	1691.90	1685.50	1678.90	1671.10	1663.30	1655.00	1645.90
120.0	1703.20	1697.60	1692.20	1685.60	1678.90	1671.50	1663.70	1655.60	1646.80
150.0	1705.40	1700.60	1694.80	1689.30	1682.40	1676.00	1667.90	1659.80	1651.90
180.0	1703.70	1698.80	1693.40	1687.30	1680.80	1673.50	1666.00	1657.90	1649.50
210.0	1707.10	1701.70	1696.60	1690.10	1683.60	1676.40	1668.80	1660.70	1651.80
240.0	1706.10	1701.50	1696.20	1690.30	1683.20	1676.90	1669.60	1661.10	1653.30
270.0	1702.30	1696.80	1691.30	1685.10	1678.30	1670.60	1662.60	1654.30	1645.30
300.0	1701.50	1695.60	1689.80	1683.30	1676.40	1668.90	1660.80	1652.10	1643.40
330.0	1696.10	1690.10	1683.70	1676.80	1669.70	1661.60	1653.00	1644.20	1634.80
360.0	1697.80	1691.90	1685.70	1679.00	1671.80	1663.90	1655.90	1646.40	1638.10

C/γ(°)	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0
0.0	1628.70	1618.60	1608.00	1596.70	1584.60	1570.40	1558.00	1541.70	1527.10
30.0	1628.00	1618.00	1607.20	1595.90	1583.90	1571.30	1557.60	1543.30	1528.60
60.0	1627.80	1617.70	1607.10	1595.90	1584.00	1570.20	1558.10	1542.20	1528.40
90.0	1636.50	1626.30	1616.00	1605.30	1593.90	1580.60	1569.30	1555.00	1542.30
120.0	1638.30	1628.00	1617.90	1607.10	1596.00	1584.00	1571.70	1558.10	1543.80
150.0	1642.00	1633.20	1622.60	1613.10	1600.90	1589.30	1576.80	1563.80	1549.60
180.0	1639.50	1631.10	1620.00	1610.40	1597.90	1585.60	1572.50	1558.40	1543.00
210.0	1642.60	1632.70	1622.40	1611.70	1599.80	1587.30	1574.20	1560.10	1544.70
240.0	1643.20	1634.40	1623.30	1613.50	1600.90	1588.50	1574.80	1560.60	1545.00
270.0	1634.90	1625.50	1613.50	1603.40	1589.60	1576.80	1563.20	1548.20	1532.20
300.0	1633.80	1623.60	1612.90	1601.60	1589.60	1577.00	1563.60	1548.70	1532.80
330.0	1624.90	1614.30	1603.20	1591.60	1579.20	1565.90	1552.10	1535.70	1521.20
360.0	1628.70	1618.60	1608.00	1596.70	1584.60	1570.40	1558.00	1541.70	1527.10

C/γ(°)	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0
0.0	1508.00	1488.60	1467.70	1444.40	1418.60	1389.30	1356.20	1319.20	1278.00
30.0	1512.00	1494.50	1475.60	1455.20	1433.00	1408.50	1378.20	1349.90	1311.20
60.0	1510.10	1493.80	1474.30	1451.40	1428.10	1402.30	1373.00	1340.10	1304.40
90.0	1526.30	1510.50	1493.60	1475.50	1456.30	1435.00	1411.80	1386.40	1357.70
120.0	1528.60	1512.00	1494.10	1472.80	1453.40	1430.40	1404.00	1374.70	1338.30
150.0	1535.10	1519.20	1502.20	1484.00	1464.00	1442.40	1418.40	1391.20	1360.90
180.0	1526.60	1508.30	1488.20	1466.00	1441.00	1412.90	1380.60	1344.20	1304.00
210.0	1528.60	1510.60	1491.20	1467.80	1446.10	1417.00	1389.90	1352.50	1313.70
240.0	1528.30	1509.90	1489.30	1466.20	1440.80	1411.60	1378.50	1342.20	1301.20
270.0	1515.50	1497.00	1477.50	1455.70	1431.90	1404.80	1374.80	1340.10	1301.00
300.0	1515.70	1495.30	1476.60	1454.10	1429.00	1400.60	1365.10	1331.20	1285.60
330.0	1502.60	1485.40	1465.20	1440.70	1418.30	1388.10	1359.60	1321.00	1280.60
360.0	1508.00	1488.60	1467.70	1444.40	1418.60	1389.30	1356.20	1319.20	1278.00

Equipment:
Temperature(°C): 24.9

Date:
Humidity(%): 50%

Operator: LSC

Intensity data(cd)

C/ γ (°)	36.0	37.0	38.0	39.0	40.0	41.0	42.0	43.0	44.0
0.0	1233.40	1185.60	1135.30	1083.10	1029.00	972.90	914.50	853.40	790.60
30.0	1274.10	1224.00	1172.50	1116.90	1058.70	1000.50	943.80	895.40	841.30
60.0	1264.80	1221.70	1174.80	1124.30	1070.20	1013.00	952.20	888.90	823.20
90.0	1325.20	1288.40	1246.90	1200.00	1149.10	1094.60	1038.00	980.90	924.50
120.0	1304.90	1260.80	1221.20	1169.70	1118.90	1063.90	1004.80	941.80	876.10
150.0	1326.30	1286.70	1237.40	1192.10	1133.80	1083.50	1022.70	973.20	916.10
180.0	1260.30	1214.00	1165.50	1115.60	1059.30	1010.80	949.80	896.80	830.30
210.0	1270.00	1222.00	1170.30	1116.60	1062.60	1010.40	960.60	914.20	870.70
240.0	1256.70	1210.10	1156.40	1110.40	1053.30	1004.50	943.80	891.60	826.90
270.0	1257.10	1208.90	1157.10	1103.40	1045.20	998.20	945.20	904.10	857.90
300.0	1243.50	1189.20	1136.30	1081.60	1025.40	967.80	908.90	848.80	788.40
330.0	1235.20	1185.20	1131.70	1075.80	1020.10	966.20	915.70	868.90	826.30
360.0	1233.40	1185.60	1135.30	1083.10	1029.00	972.90	914.50	853.40	790.60
C/ γ (°)	45.0	46.0	47.0	48.0	49.0	50.0	51.0	52.0	53.0
0.0	721.60	665.90	603.30	555.90	505.20	464.20	427.40	394.30	363.80
30.0	796.90	756.80	720.50	687.00	655.20	624.90	595.20	565.50	536.00
60.0	751.00	692.50	626.30	575.80	521.70	482.00	439.60	404.60	372.70
90.0	866.30	821.20	771.50	733.50	691.50	655.90	621.90	589.40	557.30
120.0	808.50	741.80	678.30	619.30	566.10	519.10	477.40	439.80	405.50
150.0	867.20	822.20	780.90	742.60	706.80	673.00	640.60	609.20	578.10
180.0	773.90	707.10	648.50	594.50	545.40	501.50	462.20	426.60	394.10
210.0	830.50	792.80	757.00	722.70	689.40	656.70	624.80	590.70	562.90
240.0	767.40	709.10	653.30	601.80	554.60	511.70	472.90	437.40	404.70
270.0	821.80	780.90	744.60	709.20	673.80	639.00	604.80	571.40	539.00
300.0	728.90	672.30	619.50	571.30	527.50	484.60	451.60	415.20	387.00
330.0	787.10	750.40	712.60	681.90	645.80	615.90	580.50	548.60	520.20
360.0	721.60	665.90	603.30	555.90	505.20	464.20	427.40	394.30	363.80
C/ γ (°)	54.0	55.0	56.0	57.0	58.0	59.0	60.0	61.0	62.0
0.0	335.40	309.70	286.50	265.50	246.90	230.40	216.20	204.30	195.00
30.0	506.40	474.50	448.90	420.30	398.60	375.50	356.90	339.80	323.60
60.0	343.10	315.80	291.10	268.60	248.50	230.60	214.90	198.70	190.00
90.0	525.60	494.90	465.00	436.70	410.20	386.20	364.90	346.30	330.10
120.0	371.20	344.70	317.30	290.00	269.10	246.50	229.80	212.20	198.80
150.0	547.20	514.10	487.40	456.50	432.00	404.40	383.60	363.10	343.40
180.0	364.10	336.50	311.00	288.00	267.30	248.90	232.70	219.10	207.00
210.0	530.40	504.20	473.70	447.00	421.50	397.90	376.40	356.80	339.00
240.0	374.30	346.00	319.80	295.90	274.10	254.70	237.70	223.40	210.50
270.0	508.00	478.50	450.50	424.30	400.00	377.90	358.40	341.50	325.30
300.0	355.30	328.30	305.70	280.70	261.90	242.00	226.10	212.40	201.00
330.0	487.60	461.50	432.20	407.90	385.90	366.60	349.50	333.60	318.60
360.0	335.40	309.70	286.50	265.50	246.90	230.40	216.20	204.30	195.00
C/ γ (°)	63.0	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0
0.0	188.00	183.30	180.20	178.10	175.90	173.70	170.30	166.50	161.00
30.0	307.80	292.10	276.10	260.30	244.60	229.40	214.60	200.70	187.50
60.0	181.80	176.20	172.80	171.00	170.10	169.50	168.50	166.60	162.80
90.0	315.20	301.00	287.20	273.50	258.40	246.00	231.10	218.70	204.20
120.0	186.30	177.40	171.20	167.00	164.40	162.90	162.00	161.30	160.20
150.0	328.60	311.70	298.20	282.00	267.20	252.30	237.50	223.00	209.00
180.0	198.20	191.70	187.00	183.90	181.40	178.90	175.80	172.60	168.80
210.0	322.00	305.60	289.20	272.80	256.30	240.10	224.60	207.70	195.50
240.0	202.10	194.30	189.80	185.80	183.10	180.70	178.30	175.80	172.80
270.0	312.40	297.60	285.10	269.60	256.50	240.50	225.70	211.20	196.50
300.0	191.90	185.10	180.00	176.90	174.70	173.10	171.70	170.00	167.40
330.0	303.60	288.30	272.70	256.70	239.60	225.60	207.20	195.90	182.70
360.0	188.00	183.30	180.20	178.10	175.90	173.70	170.30	166.50	161.00

Equipment:
Temperature(°C): 24.9

Date:
Humidity(%): 50%

Operator: LSC

Intensity data(cd)

C/ γ (°)	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0	80.0
0.0	155.80	150.30	145.00	139.50	133.30	126.40	119.00	111.20	104.00
30.0	175.20	163.90	153.30	143.80	135.60	128.60	124.00	118.80	113.30
60.0	158.60	152.90	147.40	142.40	135.90	129.60	121.10	112.50	103.90
90.0	191.50	179.00	167.00	155.40	144.30	134.10	125.70	119.40	114.20
120.0	158.20	155.00	150.70	145.60	139.80	133.70	126.80	118.30	110.50
150.0	195.70	183.10	171.10	159.80	149.40	139.50	132.60	125.80	120.70
180.0	164.90	159.80	154.70	149.10	143.00	136.30	129.10	121.40	113.70
210.0	183.00	171.60	160.40	152.30	144.10	138.30	132.40	127.20	121.10
240.0	169.30	165.10	159.80	153.60	146.80	138.50	131.00	121.50	113.40
270.0	183.20	170.70	159.00	148.30	138.60	130.20	122.80	116.20	109.80
300.0	163.30	158.60	151.90	145.60	137.50	129.80	121.60	113.10	104.20
330.0	170.60	159.50	148.70	140.90	132.70	127.00	120.80	114.80	107.70
360.0	155.80	150.30	145.00	139.50	133.30	126.40	119.00	111.20	104.00
C/ γ (°)	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	96.20	87.80	77.50	65.30	52.60	38.90	25.20	12.50	2.80
30.0	104.70	94.90	82.50	70.00	56.90	42.90	28.40	15.50	5.00
60.0	95.60	87.90	78.80	68.10	55.40	42.60	29.60	16.30	5.80
90.0	108.10	100.70	91.10	79.10	67.00	54.20	40.60	26.50	12.00
120.0	101.60	92.90	84.60	75.10	64.10	51.10	38.20	25.10	12.20
150.0	114.20	106.60	96.30	85.10	72.50	59.20	47.00	30.80	18.30
180.0	105.80	98.10	89.00	77.60	65.40	52.40	39.20	25.60	12.90
210.0	113.90	103.90	92.80	80.30	66.10	52.30	38.40	24.60	12.00
240.0	103.60	94.80	84.50	74.00	62.00	50.60	34.70	21.50	10.00
270.0	102.40	94.20	84.30	71.90	59.10	45.60	31.40	17.00	4.80
300.0	95.40	86.30	75.80	64.80	52.40	38.90	25.00	12.50	3.00
330.0	98.40	88.00	76.10	63.20	48.80	35.20	21.90	10.50	1.50
360.0	96.20	87.80	77.50	65.30	52.60	38.90	25.20	12.50	2.80
C/ γ (°)	90.0								
0.0	0.10								
30.0	0.10								
60.0	0.10								
90.0	0.10								
120.0	0.10								
150.0	0.10								
180.0	0.10								
210.0	0.10								
240.0	0.10								
270.0	0.10								
300.0	0.10								
330.0	0.10								
360.0	0.10								