



## Luminaire Property

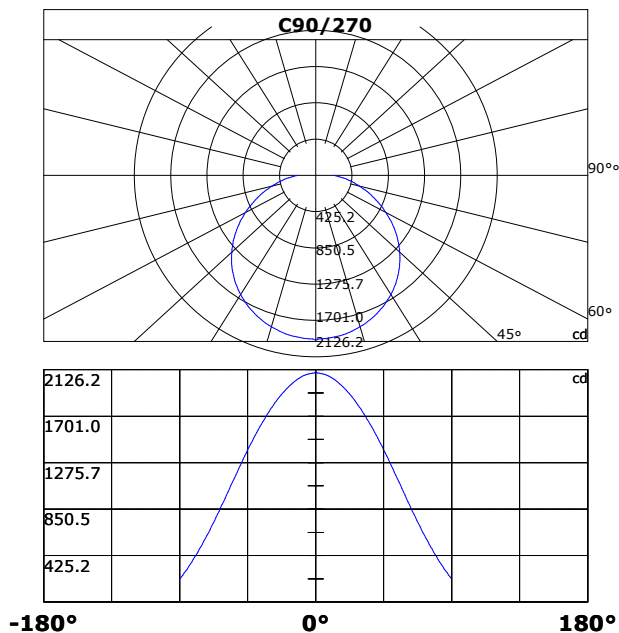
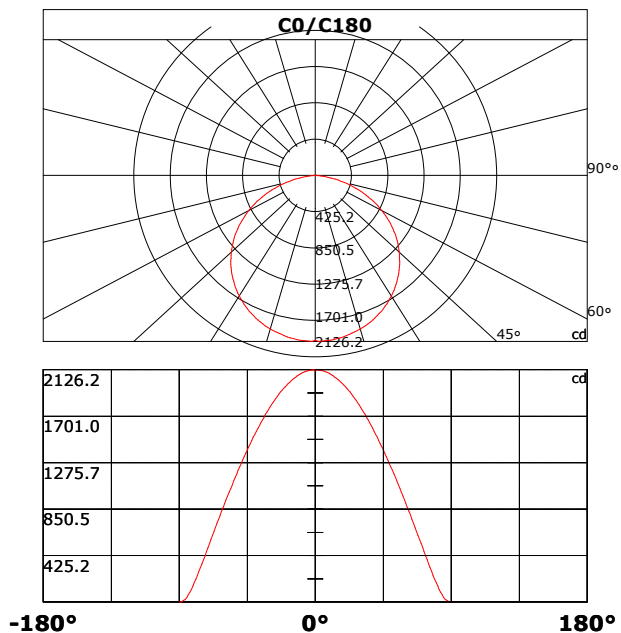
Luminaire Description: B8500-150BN  
Luminaire Categorie: LINEAR LIGHT LED  
Lamp Categorie: LED  
Lamp Description: BLANCO NEUTRO 4000K  
Number of Lamp: 1  
Lamp Lumens(lm): 6166.42  
Luminous Length(m): 1.5  
Luminous Width(m): 0.08  
Luminous Height(m): 0.036

Voltage: 228.9 V  
Current: 0.303 A  
Power: 59.83 W  
Power Factor: 0.862  
Test Lab: BLED  
Photometric Type: Type C  
Manufactory: BLED

## Photometric Results

CIE Class: Direct  
Effective Luminous Flux: 6072.54 lm  
Efficiency: 103.0657 lm/W  
Central Intensity: 2109.1cd  
Max. Intensity: 2126.212cd  
Field Angle(10%Imax): NA

Max.Intensity Angle: C:0.0 G:1.0  
Beam Angle(50%Imax): L: -56.3 R:54.3  
Luminaire Efficacy Rating(LER) : 123.3284%  
Upward Ratio: NA  
Downward Ratio: NA  
Beamwidth(50%Imax): H=111.36V=111.85





### Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
<b>C0.0</b>	2109.1	2126.2	2124.8	2122.9	2120.1	2116.8	2113.8	2108.2	2101.6	2094.3
<b>C45.0</b>	2109.1	2091.7	2090.7	2088.5	2086.4	2082.5	2079.2	2073.5	2068.0	2062.2
<b>C90.0</b>	2109.1	2096.2	2095.0	2092.9	2090.1	2086.3	2082.2	2078.1	2072.7	2066.0
<b>C135.0</b>	2109.1	2112.0	2110.8	2109.2	2106.8	2103.0	2098.7	2094.0	2088.1	2082.6
<b>C180.0</b>	2109.1	2126.2	2124.8	2122.9	2120.1	2116.8	2113.8	2108.2	2101.6	2094.3
<b>C225.0</b>	2109.1	2091.7	2090.7	2088.5	2086.4	2082.5	2079.2	2073.5	2068.0	2062.2
<b>C270.0</b>	2109.1	2096.2	2095.0	2092.9	2090.1	2086.3	2082.2	2078.1	2072.7	2066.0
<b>C315.0</b>	2109.1	2112.0	2110.8	2109.2	2106.8	2103.0	2098.7	2094.0	2088.1	2082.6
<b>C360.0</b>	2109.1	2126.2	2124.8	2122.9	2120.1	2116.8	2113.8	2108.2	2101.6	2094.3
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
<b>C0.0</b>	2086.4	2077.9	2068.2	2058.2	2048.1	2037.0	2023.9	2012.0	1998.6	1985.1
<b>C45.0</b>	2055.2	2047.4	2038.5	2029.3	2019.5	2009.4	1997.5	1985.5	1973.3	1960.0
<b>C90.0</b>	2058.1	2049.9	2040.3	2030.5	2019.8	2008.4	1996.6	1984.4	1970.6	1955.7
<b>C135.0</b>	2075.1	2067.2	2058.6	2049.5	2039.6	2028.5	2017.6	2004.8	1992.3	1979.2
<b>C180.0</b>	2086.4	2077.9	2068.2	2058.2	2048.1	2037.0	2023.9	2012.0	1998.6	1985.1
<b>C225.0</b>	2055.2	2047.4	2038.5	2029.3	2019.5	2009.4	1997.5	1985.5	1973.3	1960.0
<b>C270.0</b>	2058.1	2049.9	2040.3	2030.5	2019.8	2008.4	1996.6	1984.4	1970.6	1955.7
<b>C315.0</b>	2075.1	2067.2	2058.6	2049.5	2039.6	2028.5	2017.6	2004.8	1992.3	1979.2
<b>C360.0</b>	2086.4	2077.9	2068.2	2058.2	2048.1	2037.0	2023.9	2012.0	1998.6	1985.1
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
<b>C0.0</b>	1970.2	1953.9	1938.0	1920.9	1904.1	1884.6	1865.6	1847.1	1826.4	1806.1
<b>C45.0</b>	1944.9	1930.6	1915.1	1900.2	1883.4	1865.0	1847.4	1828.2	1809.9	1790.6
<b>C90.0</b>	1941.4	1926.8	1911.9	1893.6	1877.3	1859.9	1842.3	1823.5	1802.6	1783.9
<b>C135.0</b>	1964.6	1950.4	1934.3	1919.0	1901.1	1884.4	1866.0	1846.7	1827.2	1807.7
<b>C180.0</b>	1970.2	1953.9	1938.0	1920.9	1904.1	1884.6	1865.6	1847.1	1826.4	1806.1
<b>C225.0</b>	1944.9	1930.6	1915.1	1900.2	1883.4	1865.0	1847.4	1828.2	1809.9	1790.6
<b>C270.0</b>	1941.4	1926.8	1911.9	1893.6	1877.3	1859.9	1842.3	1823.5	1802.6	1783.9
<b>C315.0</b>	1964.6	1950.4	1934.3	1919.0	1901.1	1884.4	1866.0	1846.7	1827.2	1807.7
<b>C360.0</b>	1970.2	1953.9	1938.0	1920.9	1904.1	1884.6	1865.6	1847.1	1826.4	1806.1
C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
<b>C0.0</b>	1783.3	1761.0	1739.5	1716.2	1689.7	1666.5	1641.8	1616.2	1589.6	1562.2
<b>C45.0</b>	1768.8	1747.8	1726.8	1704.9	1680.5	1659.1	1633.9	1610.3	1583.4	1557.5
<b>C90.0</b>	1763.8	1740.9	1719.6	1697.2	1674.4	1652.5	1627.9	1602.7	1578.5	1554.2
<b>C135.0</b>	1788.1	1765.7	1744.2	1720.8	1698.8	1677.0	1651.5	1625.7	1599.9	1575.1
<b>C180.0</b>	1783.3	1761.0	1739.5	1716.2	1689.7	1666.5	1641.8	1616.2	1589.6	1562.2
<b>C225.0</b>	1768.8	1747.8	1726.8	1704.9	1680.5	1659.1	1633.9	1610.3	1583.4	1557.5
<b>C270.0</b>	1763.8	1740.9	1719.6	1697.2	1674.4	1652.5	1627.9	1602.7	1578.5	1554.2
<b>C315.0</b>	1788.1	1765.7	1744.2	1720.8	1698.8	1677.0	1651.5	1625.7	1599.9	1575.1
<b>C360.0</b>	1783.3	1761.0	1739.5	1716.2	1689.7	1666.5	1641.8	1616.2	1589.6	1562.2



### Light intensity data Unit[cd]

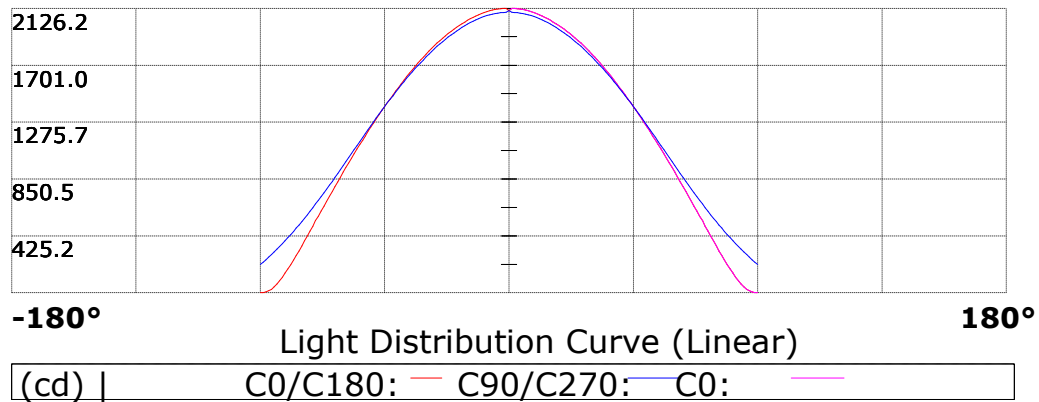
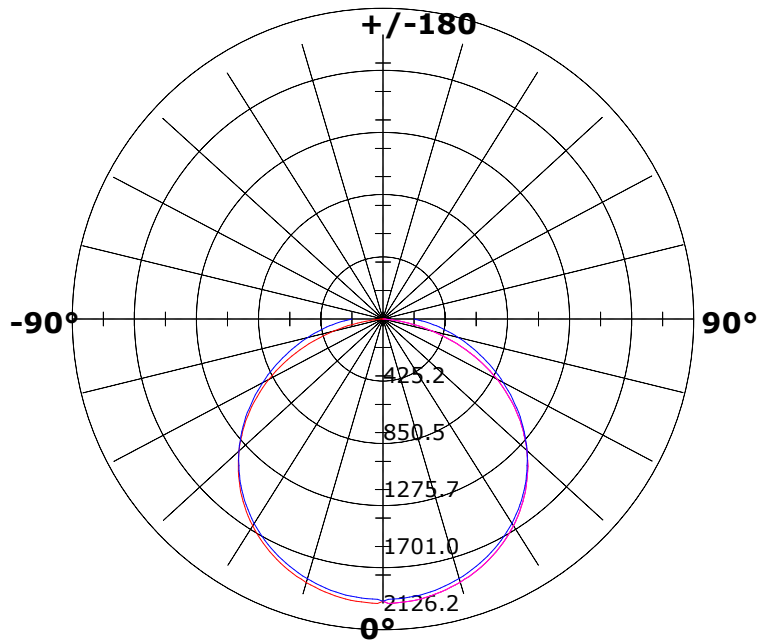
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	1534.8	1508.8	1479.9	1449.4	1421.1	1391.7	1363.4	1330.5	1299.8	1270.0
C45.0	1531.2	1506.6	1480.0	1451.3	1422.1	1395.6	1364.9	1334.3	1300.8	1269.4
C90.0	1527.1	1501.4	1473.9	1447.9	1421.7	1391.3	1364.8	1335.6	1308.1	1279.1
C135.0	1548.4	1522.2	1493.5	1467.2	1436.5	1409.6	1378.4	1347.3	1315.3	1282.0
C180.0	1534.8	1508.8	1479.9	1449.4	1421.1	1391.7	1363.4	1330.5	1299.8	1270.0
C225.0	1531.2	1506.6	1480.0	1451.3	1422.1	1395.6	1364.9	1334.3	1300.8	1269.4
C270.0	1527.1	1501.4	1473.9	1447.9	1421.7	1391.3	1364.8	1335.6	1308.1	1279.1
C315.0	1548.4	1522.2	1493.5	1467.2	1436.5	1409.6	1378.4	1347.3	1315.3	1282.0
C360.0	1534.8	1508.8	1479.9	1449.4	1421.1	1391.7	1363.4	1330.5	1299.8	1270.0
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	1238.4	1208.1	1171.8	1140.1	1109.2	1074.6	1038.9	1004.6	970.7	936.3
C45.0	1236.2	1206.6	1175.6	1145.0	1115.0	1082.0	1047.5	1014.9	981.8	950.3
C90.0	1248.5	1220.9	1190.4	1161.2	1129.9	1099.3	1070.6	1040.4	1009.5	978.7
C135.0	1249.3	1219.6	1190.6	1157.9	1127.8	1094.2	1059.0	1028.0	993.8	961.5
C180.0	1238.4	1208.1	1171.8	1140.1	1109.2	1074.6	1038.9	1004.6	970.7	936.3
C225.0	1236.2	1206.6	1175.6	1145.0	1115.0	1082.0	1047.5	1014.9	981.8	950.3
C270.0	1248.5	1220.9	1190.4	1161.2	1129.9	1099.3	1070.6	1040.4	1009.5	978.7
C315.0	1249.3	1219.6	1190.6	1157.9	1127.8	1094.2	1059.0	1028.0	993.8	961.5
C360.0	1238.4	1208.1	1171.8	1140.1	1109.2	1074.6	1038.9	1004.6	970.7	936.3
C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	903.1	863.2	829.6	794.0	758.2	722.3	682.1	647.1	611.4	571.7
C45.0	916.6	883.3	852.0	820.3	787.6	753.9	721.8	688.9	659.9	626.3
C90.0	950.3	919.5	892.3	862.1	831.6	804.2	774.6	746.6	718.1	691.2
C135.0	928.0	896.3	860.7	829.2	796.2	763.0	730.2	698.0	668.1	636.3
C180.0	903.1	863.2	829.6	794.0	758.2	722.3	682.1	647.1	611.4	571.7
C225.0	916.6	883.3	852.0	820.3	787.6	753.9	721.8	688.9	659.9	626.3
C270.0	950.3	919.5	892.3	862.1	831.6	804.2	774.6	746.6	718.1	691.2
C315.0	928.0	896.3	860.7	829.2	796.2	763.0	730.2	698.0	668.1	636.3
C360.0	903.1	863.2	829.6	794.0	758.2	722.3	682.1	647.1	611.4	571.7
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	538.6	498.1	460.5	423.5	388.1	350.8	313.6	279.1	244.9	210.4
C45.0	598.2	567.4	535.3	507.9	479.1	449.5	422.6	395.5	369.9	344.7
C90.0	663.6	635.3	609.7	582.5	556.9	532.7	506.1	483.4	458.9	434.8
C135.0	604.8	573.4	544.4	514.9	485.4	456.2	429.0	401.1	376.6	349.7
C180.0	538.6	498.1	460.5	423.5	388.1	350.8	313.6	279.1	244.9	210.4
C225.0	598.2	567.4	535.3	507.9	479.1	449.5	422.6	395.5	369.9	344.7
C270.0	663.6	635.3	609.7	582.5	556.9	532.7	506.1	483.4	458.9	434.8
C315.0	604.8	573.4	544.4	514.9	485.4	456.2	429.0	401.1	376.6	349.7
C360.0	538.6	498.1	460.5	423.5	388.1	350.8	313.6	279.1	244.9	210.4

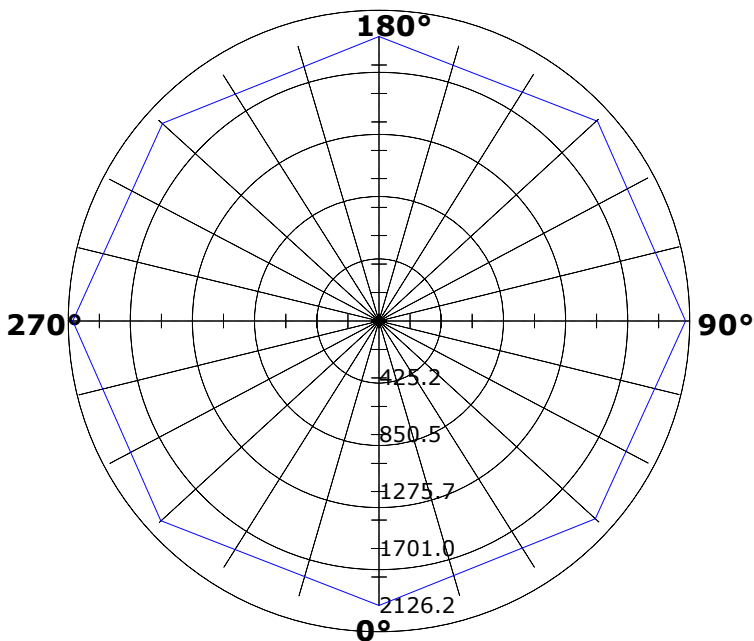


### Light intensity data Unit[cd]

C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
<b>C0.0</b>	178.7	147.3	117.1	89.9	65.2	43.8	26.2	16.0	7.0	0.0
<b>C45.0</b>	320.4	296.4	273.0	251.0	229.4	209.8	189.3	170.5	153.3	137.0
<b>C90.0</b>	412.9	389.9	368.3	346.6	326.0	304.8	285.6	266.1	246.8	228.8
<b>C135.0</b>	325.4	301.7	278.2	255.2	234.5	214.2	194.2	175.3	156.9	140.0
<b>C180.0</b>	178.7	147.3	117.1	89.9	65.2	43.8	26.2	16.0	7.0	0.0
<b>C225.0</b>	320.4	296.4	273.0	251.0	229.4	209.8	189.3	170.5	153.3	137.0
<b>C270.0</b>	412.9	389.9	368.3	346.6	326.0	304.8	285.6	266.1	246.8	228.8
<b>C315.0</b>	325.4	301.7	278.2	255.2	234.5	214.2	194.2	175.3	156.9	140.0
<b>C360.0</b>	178.7	147.3	117.1	89.9	65.2	43.8	26.2	16.0	7.0	0.0
<b>C\G</b>	<b>G90.0</b>									
<b>C0.0</b>	0.0									
<b>C45.0</b>	122.1									
<b>C90.0</b>	211.8									
<b>C135.0</b>	124.3									
<b>C180.0</b>	0.0									
<b>C225.0</b>	122.1									
<b>C270.0</b>	211.8									
<b>C315.0</b>	124.3									
<b>C360.0</b>	0.0									

Light Distribution Curve [Unit: cd]



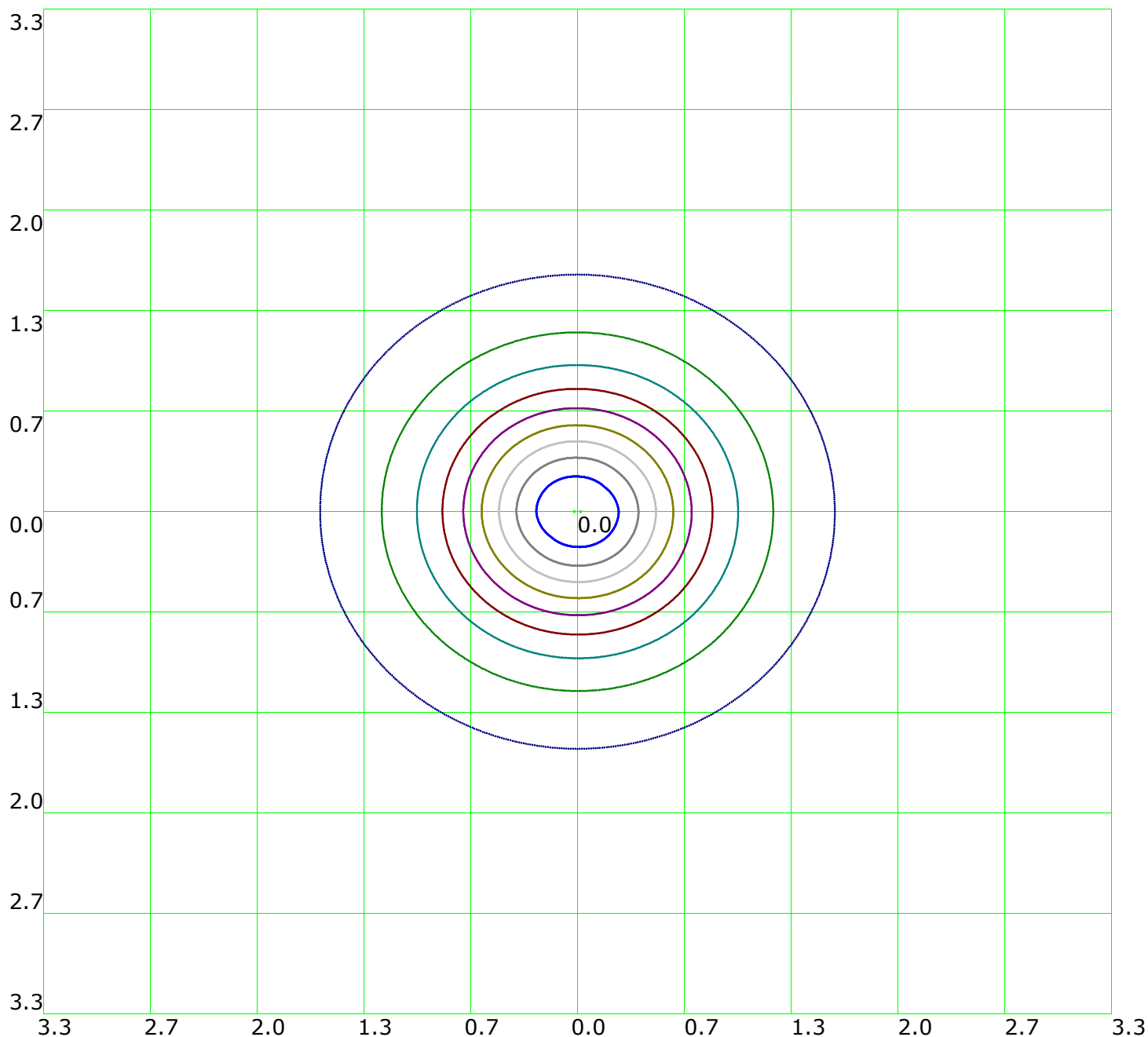


2126.2								
1701.0								
1275.7								
850.5								
425.2								

**-180°** Light Distribution Curve (Linear) **180°**  
 (cd) | ?1: —



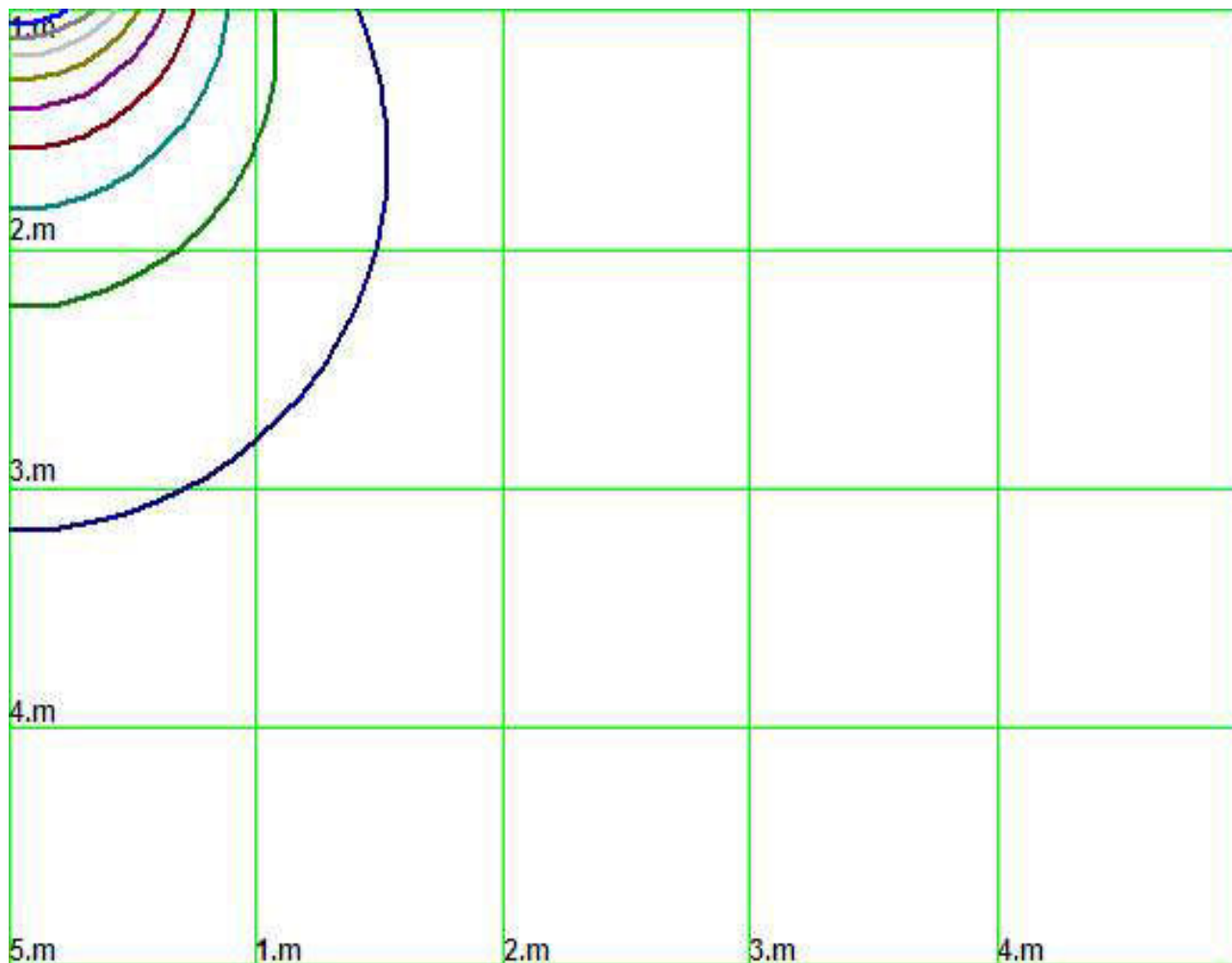
### Isolx curve



Height: 1 m

- |                   |                    |                   |                   |
|-------------------|--------------------|-------------------|-------------------|
| — (10%): 212.6lx  | — (20%): 425.2lx   | — (30%): 637.9lx  | — (40%): 850.5lx  |
| — (50%): 1063.1lx | — (60%): 1275.7lx  | — (70%): 1488.4lx | — (80%): 1701.1lx |
| — (90%): 1913.6lx | — (100%): 2124.1lx |                   |                   |

## Space Isolx Curve



— (10%): 212.6lx	— (20%): 425.2lx	— (30%): 637.9lx	— (40%): 850.5lx
— (50%): 1063.1lx	— (60%): 1275.7lx	— (70%): 1488.4lx	— (80%): 1701.1lx
— (90%): 1913.6lx	— (100%): 2124.1lx		





## Luminance Limiting Curve

Diameter: 1500mm

Length: 1500mm

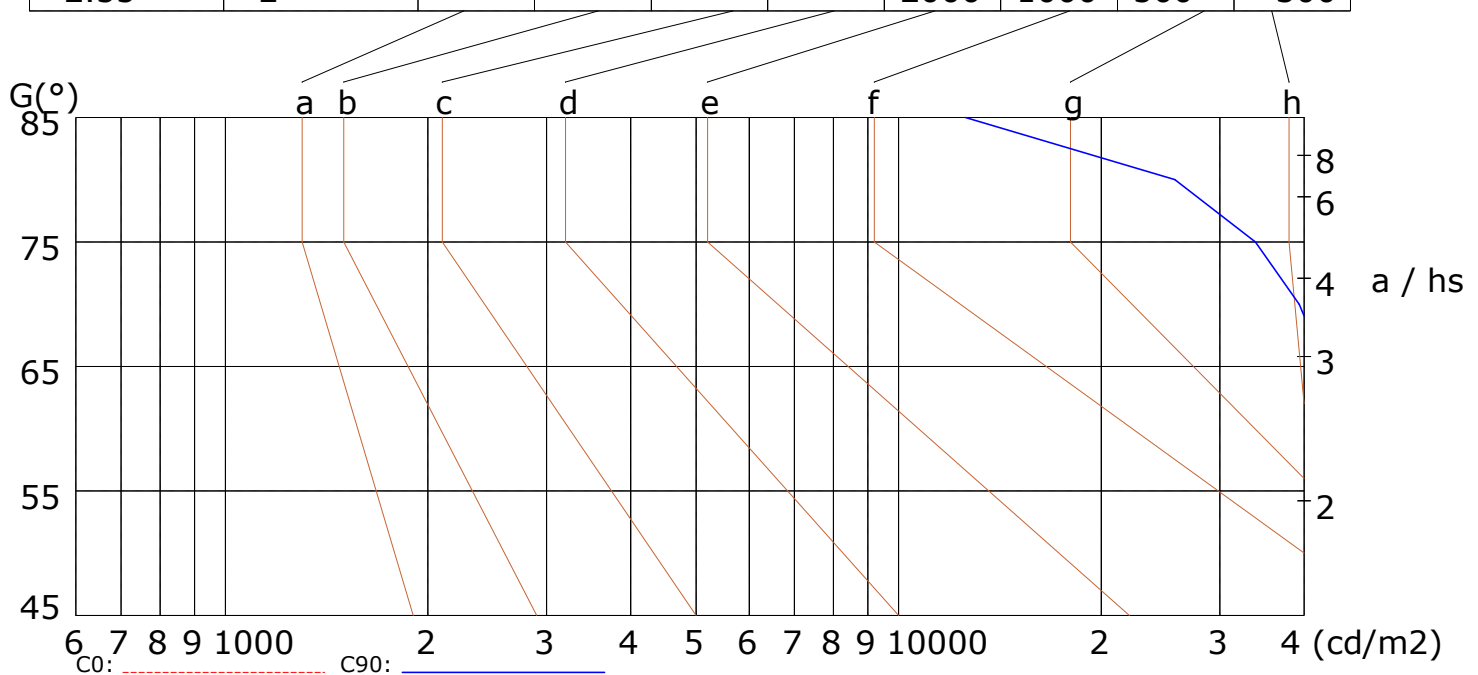
Width: 80mm

Height: 36mm

(cd/m<sup>2</sup>)

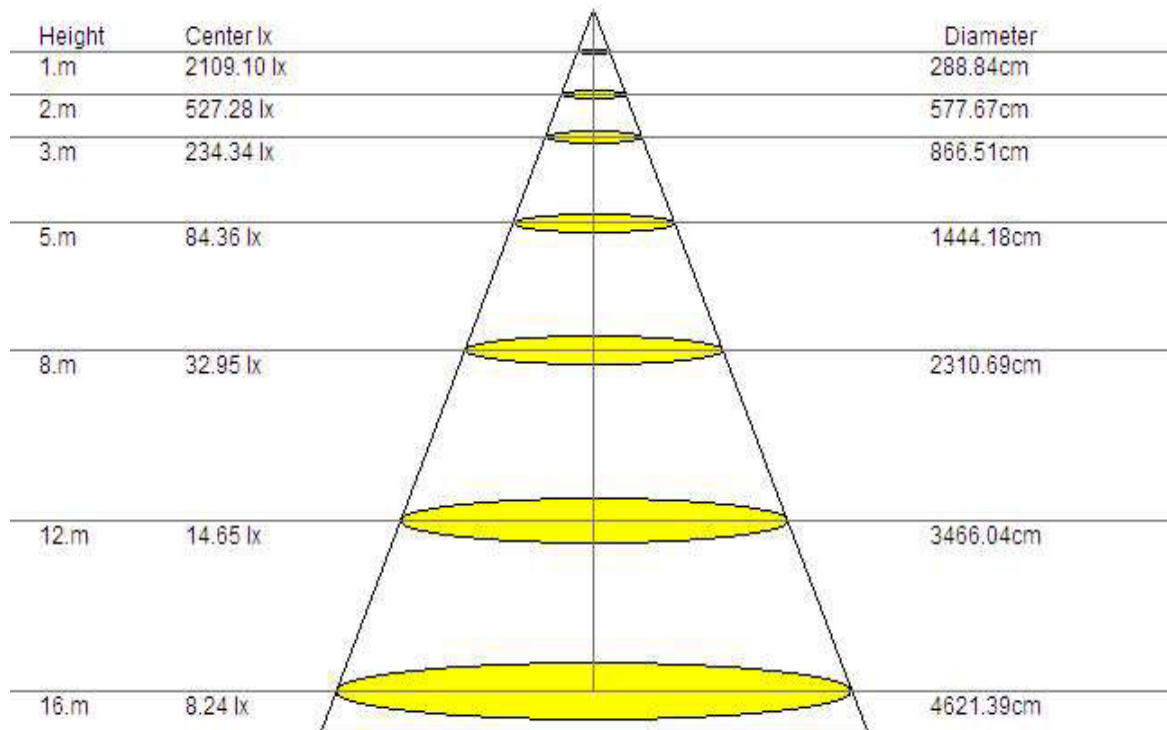
?	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	49189	48559	47914	47515	47574	48508	51451	59440	87438
C90	49204	48165	46836	45156	42727	39366	33885	25723	12564

Glare	Quality	Service Values Illuminance (lx)							
		2000	1000	500	=300				
1.15	A								
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



Lum. Limiting Curve (C0/C90)

## Lux-Distance Curve



Beam Angle: 110.60°(50%Imax)



## Coefficients of Utilization

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.47	1.47	1.47	1.43	1.43	1.43	1.37	1.37	1.37	1.31	1.31	1.31	1.26	1.26	1.26	1.23
1	1.27	1.24	1.22	1.25	1.22	1.20	1.21	1.18	1.15	1.15	1.12	1.09	1.07	1.04	1.01	0.95
2	1.07	1.03	1.01	1.06	1.02	0.99	1.04	0.99	0.95	1.00	0.95	0.90	0.94	0.89	0.84	0.79
3	0.91	0.87	0.85	0.91	0.86	0.83	0.90	0.84	0.80	0.87	0.81	0.76	0.84	0.77	0.71	0.66
4	0.78	0.75	0.72	0.79	0.74	0.71	0.79	0.73	0.68	0.77	0.70	0.65	0.75	0.67	0.61	0.56
5	0.68	0.65	0.62	0.69	0.64	0.61	0.70	0.63	0.59	0.69	0.62	0.56	0.68	0.60	0.53	0.48
6	0.60	0.57	0.54	0.61	0.57	0.53	0.62	0.56	0.51	0.62	0.55	0.49	0.62	0.53	0.47	0.42
7	0.54	0.50	0.48	0.55	0.50	0.47	0.56	0.50	0.45	0.57	0.49	0.44	0.56	0.48	0.41	0.37
8	0.48	0.45	0.43	0.49	0.45	0.42	0.51	0.45	0.41	0.52	0.44	0.39	0.52	0.44	0.37	0.33
9	0.43	0.40	0.39	0.45	0.41	0.38	0.47	0.41	0.36	0.48	0.40	0.35	0.48	0.40	0.33	0.30
10	0.40	0.37	0.35	0.41	0.37	0.34	0.43	0.37	0.33	0.44	0.37	0.32	0.45	0.36	0.30	0.27



## Indoor Budgetary Estimate Chart

