



Farrow

DE-0199-BLA

Surface-mounted ceiling light Farrow E27 15W White

TECHNICAL FEATURES

IP20



Luminaire total power : 30W

Structure material : Steel

Structure finish : White

Diffuser material : Glass

Diffuser finish : Opal

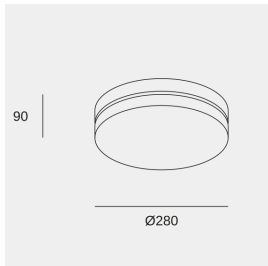
Max. size of light bulb : 140/60 mm

Recommended light bulb : E27

Voltage / frequency : 100-240V ~ 50/60Hz

Warranty : 5 Years

Easily recyclable luminaire

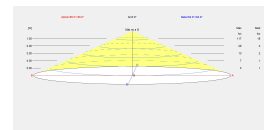
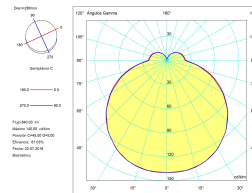


LUMINOTECHNIC FEATURES

Luminance C0°G65°: 1556

Luminance C90°G65°: 1510

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
E27	2	Max. power 15W	-



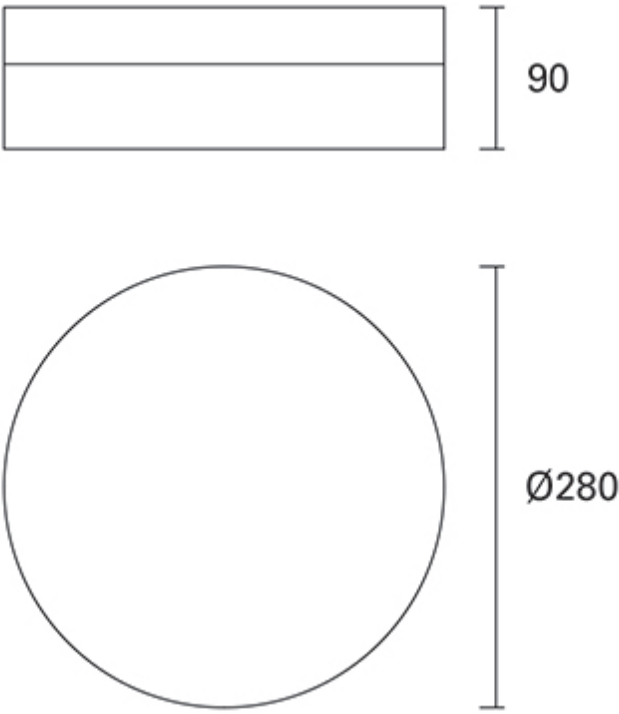
LOGISTICS

Net weight (kg): 1.56

Packaged weight (kg): 2.39

Packaging: 355mm x 355mm x 235mm

 4 Un



Luminaire

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

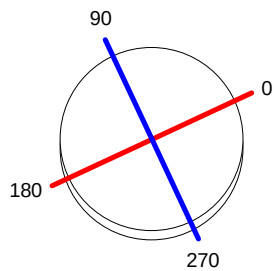
Measurement

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

Luminaire Flux	512.67 lm	Luminaire Power	80.00 W	Efficacy	6.41 lm/W	Efficiency	61.03%
Lamps Flux	840.00 lm	Maximum value	140.05 cd/klm	Position	C=45.00 G=5.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area	Diam. Diam.	280 mm 280 mm	Height Height	90 mm 50 mm			
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.061575 m2 0.014000 m2 0.014000 m2			Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.014000 m2 0.014000 m2 0.028481 m2		
Coordinate system Date Measurement Distance	CG 20-07-2016 0.00			Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 180 840.00 lm		
Operator Temperature Humidity Notes	Asselum T2 25.00 °C 60.00 %			Source Voltage [V] Source current [A] Photocell			

Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		CLAS A CL 40	Name CLAS A CL 40		420.00	40.00	2
C.I.E.	39 69 89 83 61			D DIN 5040	B21		
F UTE	0.51 G + 0.10 T			B NBN	BZ 5 / 1.25 / BZ 6 / 2.5 / BZ 5 / 3 / BZ 6		

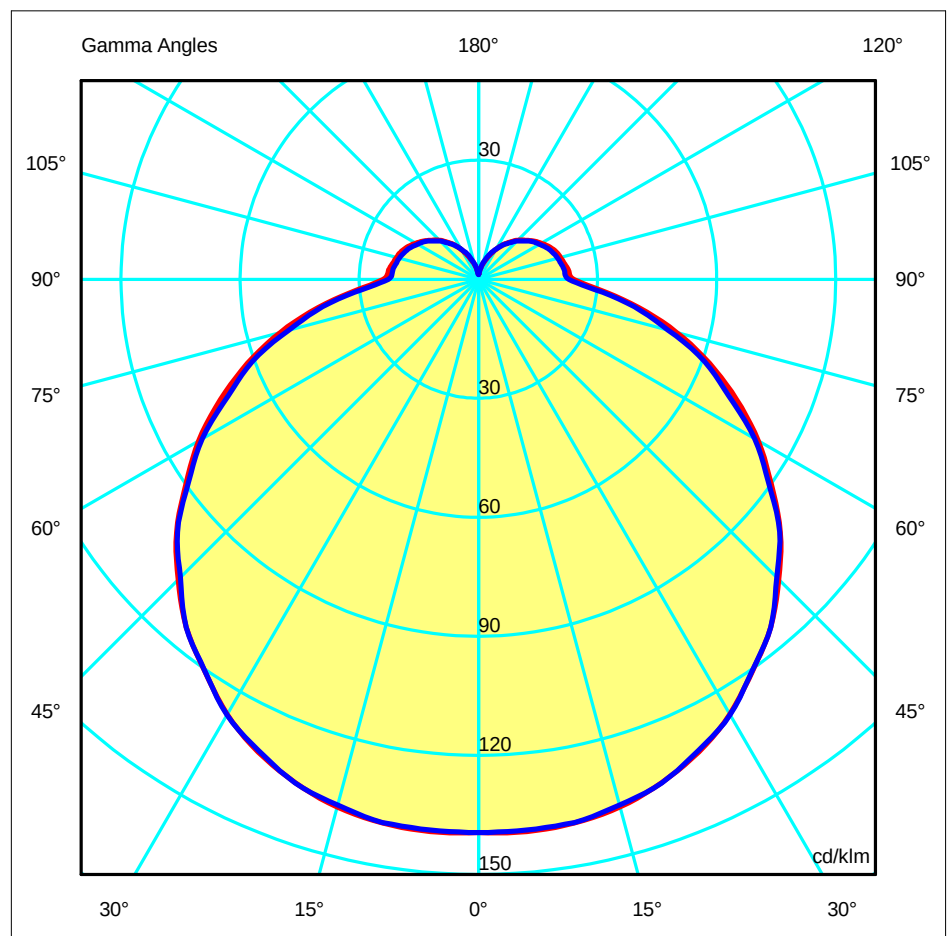
Diam=280mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 10.24 %
DLOR 50.79 %
RN 16.78 %



Luminaire

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Measurment

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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	139.43	139.43	139.43	139.43	139.43	139.43	139.43
G 5.0	139.68	139.79	139.47	140.05	139.67	139.53	139.31
G 10.0	139.11	139.04	139.48	139.52	139.21	139.58	138.99
G 15.0	137.66	137.59	137.65	137.80	137.75	137.69	137.16
G 20.0	134.97	134.91	135.55	135.04	135.11	135.16	135.01
G 25.0	131.36	131.19	131.60	131.94	131.48	131.80	130.99
G 30.0	126.56	126.23	126.77	126.89	126.33	127.17	126.74
G 35.0	120.38	120.69	121.02	121.40	120.91	120.58	120.26
G 40.0	114.47	113.68	113.92	113.96	113.91	113.73	114.48
G 45.0	106.95	106.66	106.92	107.36	106.63	106.21	106.19
G 50.0	99.27	98.04	98.67	98.17	98.09	97.64	98.98
G 55.0	89.99	89.85	90.02	90.00	89.69	88.91	89.14
G 60.0	81.37	80.24	80.58	79.76	79.87	79.36	80.33
G 65.0	71.71	71.05	71.33	70.75	70.55	69.53	69.57
G 70.0	61.92	61.14	61.56	60.50	60.01	59.68	60.65
G 75.0	51.68	51.09	51.11	50.85	50.32	49.89	49.50
G 80.0	40.99	40.65	40.64	40.22	39.80	39.01	39.82
G 85.0	30.72	30.53	30.54	30.15	29.92	29.59	29.41
G 90.0	24.02	23.84	23.63	23.45	23.14	22.85	22.75
G 95.0	22.83	22.73	22.62	22.40	22.19	21.82	21.79
G100.0	22.08	22.11	22.04	21.80	21.66	21.36	21.25
G105.0	21.36	21.29	21.36	21.05	20.89	20.60	20.64
G110.0	20.66	20.31	20.39	20.30	20.03	19.77	19.85
G115.0	19.56	19.22	19.23	19.17	19.02	18.77	18.89
G120.0	18.23	18.04	18.08	18.02	17.88	17.64	17.66
G125.0	16.83	16.62	16.68	16.77	16.48	16.36	16.59
G130.0	15.34	15.36	15.24	15.27	15.20	14.92	15.07
G135.0	13.94	13.68	13.65	13.72	13.70	13.43	13.62
G140.0	12.23	12.18	12.19	12.27	12.16	11.80	11.94
G145.0	10.59	10.32	10.45	10.50	10.45	10.18	10.48
G150.0	8.68	8.62	8.85	8.84	8.79	8.57	8.73
G155.0	6.76	6.82	7.03	7.06	7.02	7.04	7.27
G160.0	5.15	5.21	5.42	5.47	5.61	5.58	5.60
G165.0	3.83	3.81	3.98	3.97	4.01	4.07	4.19
G170.0	2.59	2.54	2.60	2.59	2.69	2.68	2.66
G175.0	1.45	1.57	1.46	1.55	1.46	1.63	1.50
G180.0	1.29	1.24	1.22	1.24	1.25	1.25	1.23

Luminaire

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Measur.

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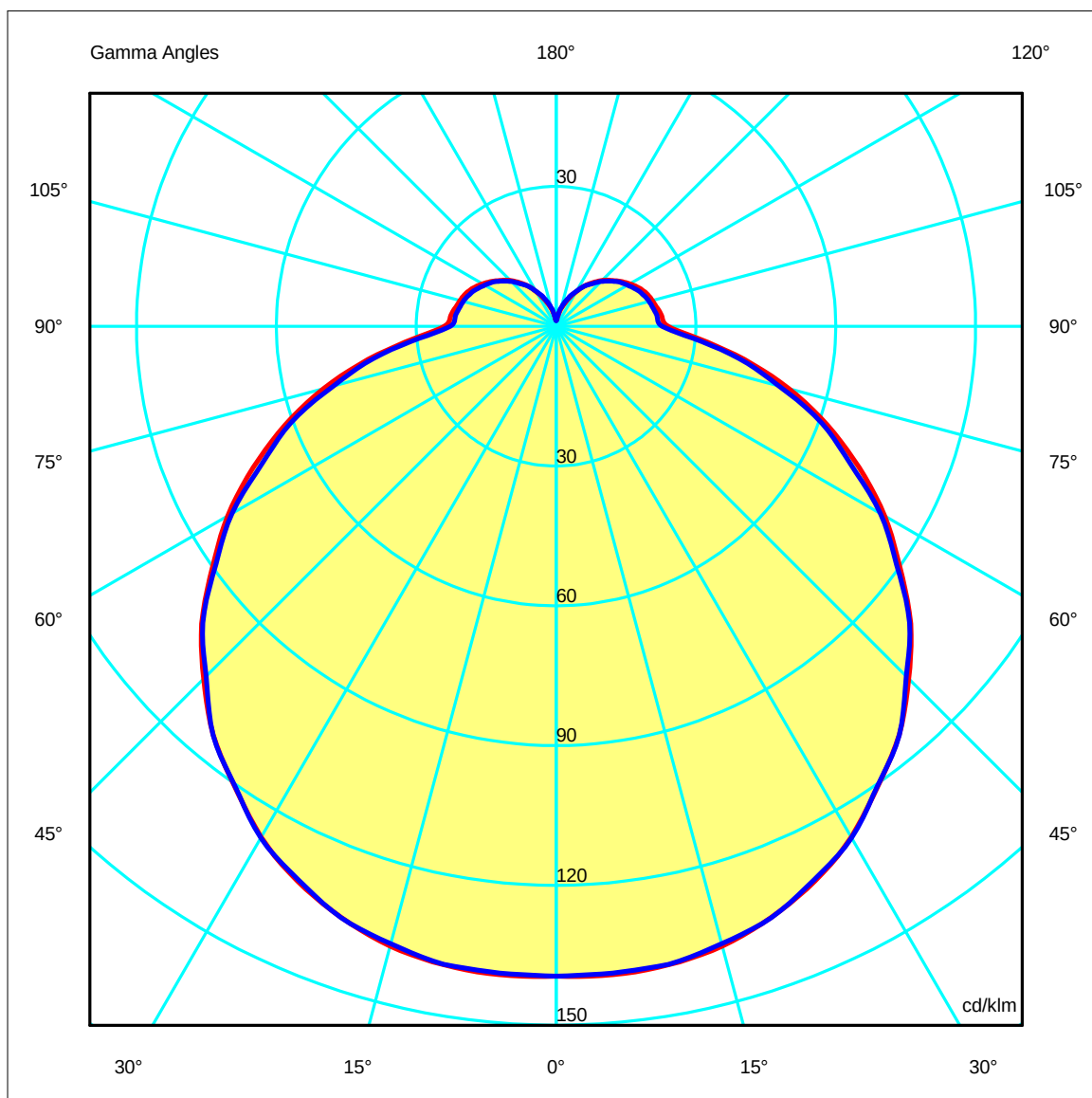
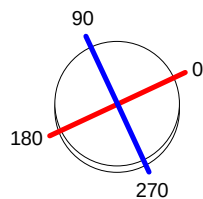
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Diam=280mm

C Halfplanes

180.0 ——— 0.0

270.0 ——— 90.0



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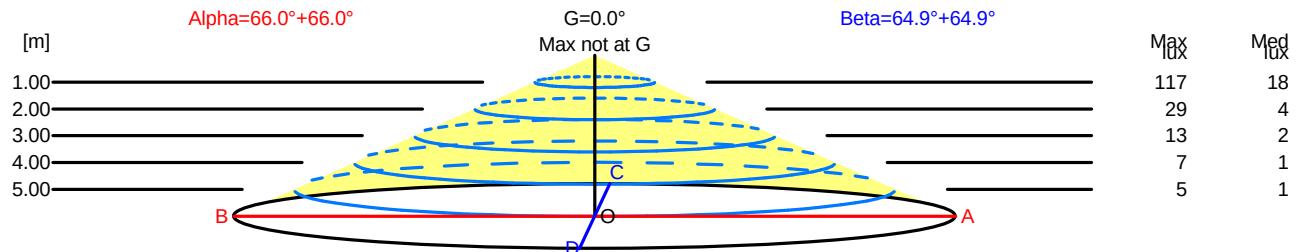
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Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.24	4.48	6.72	8.96	11.21	OC	2.13	4.26	6.40	8.53	10.66
OB	2.24	4.48	6.72	8.96	11.21	OD	2.13	4.26	6.40	8.53	10.66

	0	5	15	25	35	45	55	65	75	85
OA	117.12	117.33	115.63	110.34	101.12	89.83	75.59	60.24	43.41	25.80
OB	117.12	117.33	115.63	110.34	101.12	89.83	75.59	60.24	43.41	25.80
OC	117.12	117.02	115.21	110.03	101.02	89.20	74.88	58.44	41.58	24.71
OD	117.12	117.02	115.21	110.03	101.02	89.20	74.88	58.44	41.58	24.71



H[m]	D[m]	Max lux	Med lux	Alpha=66.0°+66.0°	G=0.0 Max not at G
1.00	4.48	117	18		
2.00	8.96	29	4		
3.00	13.45	13	2		
4.00	17.93	7	1		
5.00	22.41	5	1		

H[m]	D[m]	Max lux	Med lux	Beta=64.9°+64.9°	G=0.0 Max not at G
1.00	4.26	117	18		
2.00	8.53	29	4		
3.00	12.79	13	2		
4.00	17.05	7	1		
5.00	21.32	5	1		

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UGR
S = 0.250

Reflectancies										
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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	13.1	14.3	13.6	14.8	15.3	13.0	14.3	13.6	14.8	15.3
x=2H y=3H	15.0	16.1	15.6	16.7	17.2	14.9	16.0	15.5	16.6	17.2
x=2H y=4H	16.0	17.0	16.5	17.5	18.1	15.8	16.8	16.4	17.4	18.1
x=2H y=6H	16.8	17.7	17.3	18.3	18.8	16.6	17.6	17.2	18.1	18.8
x=2H y=8H	17.1	18.1	17.7	18.6	19.1	16.9	17.9	17.5	18.5	19.1
x=2H y=12H	17.4	18.3	18.1	18.9	19.4	17.3	18.1	17.9	18.7	19.4
x=4H y=2H	13.9	14.9	14.5	15.5	16.1	13.9	14.9	14.4	15.4	16.1
x=4H y=3H	16.0	16.9	16.6	17.5	18.1	15.9	16.8	16.5	17.4	18.1
x=4H y=4H	17.1	17.9	17.7	18.5	19.1	16.9	17.7	17.6	18.3	19.1
x=4H y=6H	18.0	18.7	18.7	19.4	19.9	17.9	18.6	18.5	19.2	19.9
x=4H y=8H	18.5	19.1	19.1	19.8	20.4	18.3	18.9	19.0	19.6	20.4
x=4H y=12H	18.8	19.4	19.5	20.1	20.7	18.7	19.2	19.3	19.9	20.7
x=8H y=4H	17.5	18.1	18.2	18.8	19.5	17.4	18.0	18.1	18.7	19.5
x=8H y=6H	18.7	19.2	19.4	19.9	20.6	18.5	19.1	19.2	19.8	20.6
x=8H y=8H	19.2	19.7	19.9	20.4	21.1	19.1	19.5	19.8	20.2	21.1
x=8H y=12H	19.7	20.2	20.5	20.9	21.6	19.6	20.0	20.3	20.7	21.6
x=12H y=4H	17.5	18.1	18.2	18.8	19.5	17.5	18.0	18.1	18.7	19.5
x=12H y=6H	18.8	19.3	19.5	20.0	20.7	18.7	19.1	19.4	19.8	20.7
x=12H y=8H	19.4	19.8	20.1	20.5	21.2	19.3	19.7	20.0	20.4	21.2

Luminaire

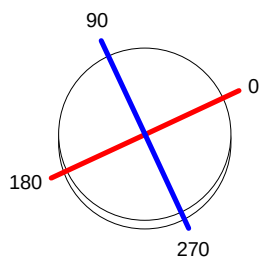
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Measurem.

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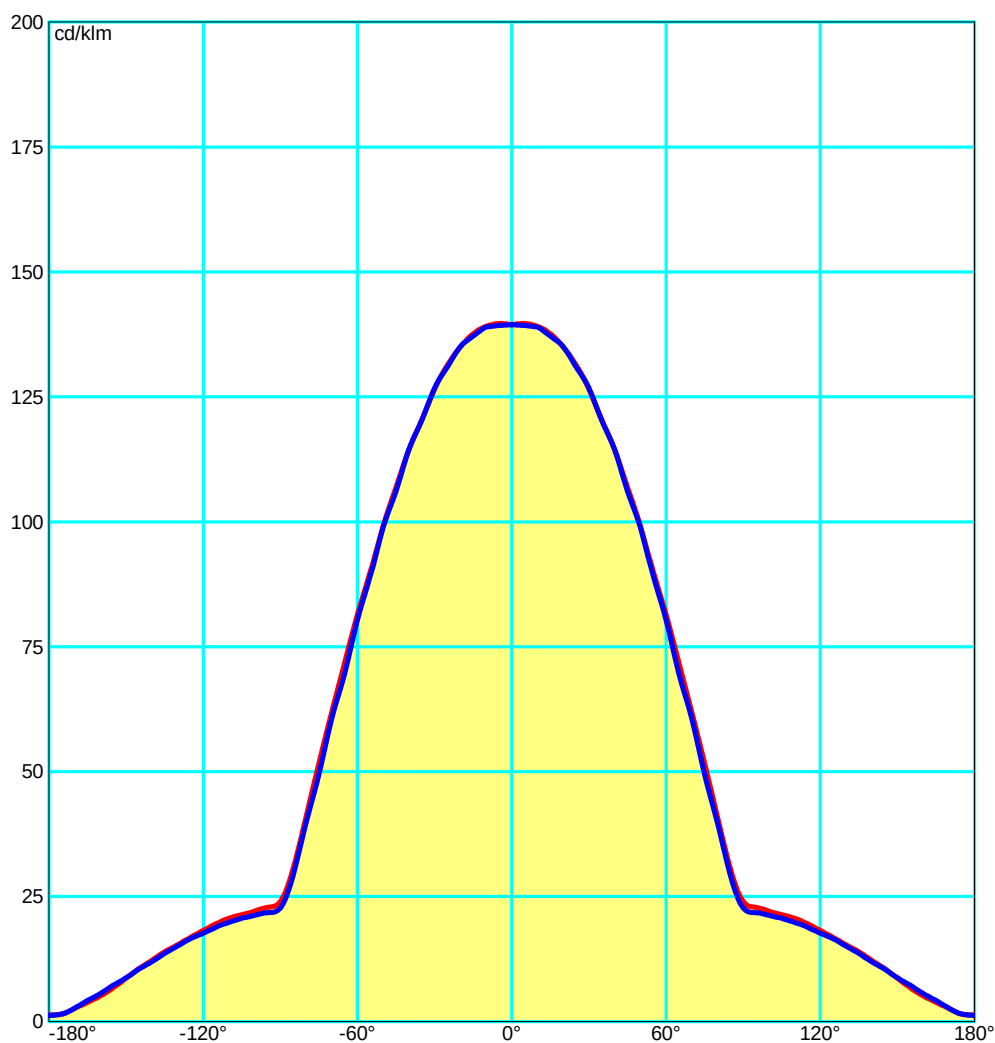
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Diam=280mm



C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

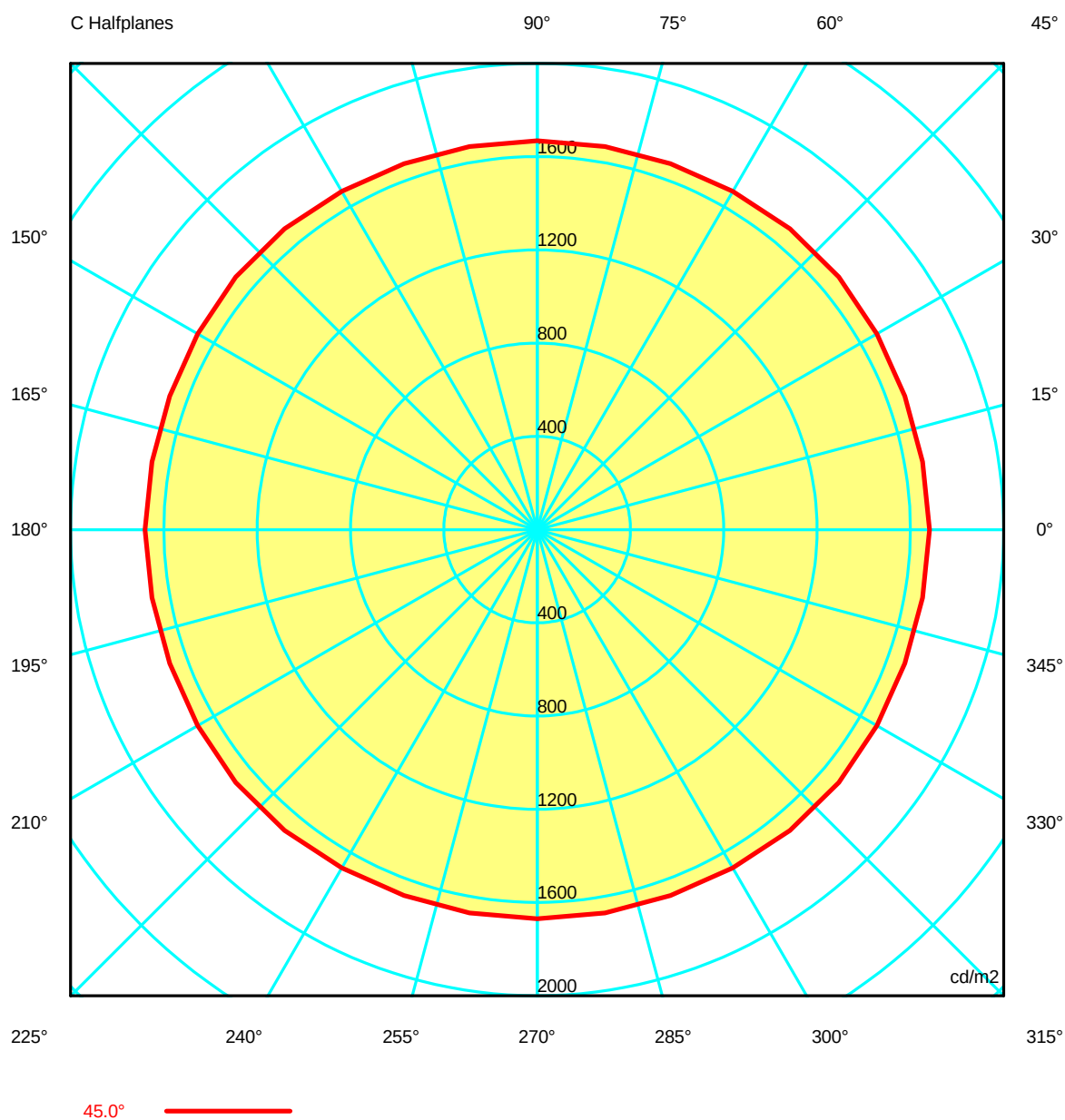
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Luminance



Luminaire

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Lamps Flux			840.00 lm		Maximum value		140.05 cd/klm		Position		C=45.00 G=5.00		CG		Double Symmetrical	
Luminance cd/m2														Table 1/3		
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00			
G 0.0	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	
G 5.0	1875.44	1877.37	1875.02	1872.70	1878.21	1879.90	1875.39	1873.70	1872.73	1870.54	1872.73	1873.70	1875.39	1875.44	1875.39	
G 10.0	1852.78	1851.38	1853.42	1857.64	1859.05	1856.34	1854.05	1857.72	1857.82	1851.07	1857.82	1857.72	1854.05	1852.78	1854.05	
G 15.0	1832.54	1831.79	1831.65	1832.46	1833.96	1834.31	1833.70	1833.18	1831.21	1825.87	1831.21	1833.18	1833.70	1832.54	1833.70	
G 20.0	1809.61	1807.76	1812.01	1817.38	1813.25	1810.95	1811.55	1812.35	1811.66	1810.23	1811.66	1812.35	1811.55	1809.61	1811.55	
G 25.0	1787.69	1785.47	1786.45	1790.94	1795.50	1793.63	1789.40	1792.63	1791.86	1782.72	1791.86	1792.63	1789.40	1787.69	1789.40	
G 30.0	1762.27	1757.95	1759.34	1765.23	1768.17	1763.52	1759.07	1766.98	1771.08	1764.78	1771.08	1766.98	1759.07	1762.27	1759.07	
G 35.0	1729.41	1732.43	1735.14	1738.60	1743.36	1742.68	1736.99	1733.55	1730.98	1727.76	1730.98	1733.55	1736.99	1729.41	1736.99	
G 40.0	1711.93	1702.46	1700.31	1703.72	1704.49	1704.32	1703.56	1700.80	1703.17	1712.07	1703.17	1700.80	1703.56	1711.93	1703.56	
G 45.0	1681.04	1677.43	1676.78	1680.62	1686.82	1685.08	1676.00	1670.52	1669.35	1669.24	1669.35	1670.52	1676.00	1681.04	1676.00	
G 50.0	1657.67	1640.37	1639.50	1647.57	1642.61	1638.37	1637.87	1631.10	1634.60	1652.82	1634.60	1631.10	1637.87	1657.67	1637.87	
G 55.0	1615.68	1613.31	1613.84	1616.18	1616.41	1615.05	1610.22	1599.96	1595.73	1600.51	1595.73	1599.96	1610.22	1615.68	1610.22	
G 60.0	1592.88	1574.48	1572.37	1577.35	1566.40	1560.91	1563.37	1555.54	1556.36	1572.53	1556.36	1555.54	1563.37	1592.88	1563.37	
G 65.0	1556.05	1543.79	1543.46	1547.90	1539.56	1533.91	1530.98	1515.58	1506.07	1509.60	1506.07	1515.58	1530.98	1556.05	1530.98	
G 70.0	1520.06	1503.47	1504.58	1511.26	1495.10	1479.26	1473.14	1465.50	1469.84	1488.86	1469.84	1465.50	1473.14	1520.06	1473.14	
G 75.0	1473.55	1460.40	1455.91	1457.43	1453.88	1445.07	1434.68	1426.23	1418.81	1411.39	1418.81	1426.23	1434.68	1473.55	1434.68	
G 80.0	1406.61	1397.34	1394.83	1394.53	1385.41	1376.49	1365.54	1344.05	1342.02	1366.35	1342.02	1344.05	1365.54	1406.61	1365.54	
G 85.0	1335.97	1329.33	1328.55	1328.19	1317.35	1307.44	1301.46	1291.68	1283.47	1279.28	1283.47	1291.68	1301.46	1335.97	1301.46	
G 90.0	1441.26	1434.40	1426.32	1417.97	1411.01	1401.46	1388.42	1375.75	1368.03	1365.19	1368.03	1375.75	1388.42	1441.26	1388.42	

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Luminance cd/m2														
Table 2/3														
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	
G 0.0	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	
G 5.0	1879.90	1878.21	1872.70	1875.02	1877.37	1875.44	1877.37	1875.02	1872.70	1878.21	1879.90	1875.39	1873.70	
G 10.0	1856.34	1859.05	1857.64	1853.42	1851.38	1852.78	1851.38	1853.42	1857.64	1859.05	1856.34	1854.05	1857.72	
G 15.0	1834.31	1833.96	1832.46	1831.65	1831.79	1832.54	1831.79	1831.65	1832.46	1833.96	1834.31	1833.70	1833.18	
G 20.0	1810.95	1813.25	1817.38	1812.01	1807.76	1809.61	1807.76	1812.01	1817.38	1813.25	1810.95	1811.55	1812.35	
G 25.0	1793.63	1795.50	1790.94	1786.45	1785.47	1787.69	1785.47	1786.45	1790.94	1795.50	1793.63	1789.40	1792.63	
G 30.0	1763.52	1768.17	1765.23	1759.34	1757.95	1762.27	1757.95	1759.34	1765.23	1768.17	1763.52	1759.07	1766.98	
G 35.0	1742.68	1743.36	1738.60	1735.14	1732.43	1729.41	1732.43	1735.14	1738.60	1743.36	1742.68	1736.99	1733.55	
G 40.0	1704.32	1704.49	1703.72	1700.31	1702.46	1711.93	1702.46	1700.31	1703.72	1704.49	1704.32	1703.56	1700.80	
G 45.0	1685.08	1686.82	1680.62	1676.78	1677.43	1681.04	1677.43	1676.78	1680.62	1686.82	1685.08	1676.00	1670.52	
G 50.0	1638.37	1642.61	1647.57	1639.50	1640.37	1657.67	1640.37	1639.50	1647.57	1642.61	1638.37	1637.87	1631.10	
G 55.0	1615.05	1616.41	1616.18	1613.84	1613.31	1615.68	1613.31	1613.84	1616.18	1616.41	1615.05	1610.22	1599.96	
G 60.0	1560.91	1566.40	1577.35	1572.37	1574.48	1592.88	1574.48	1572.37	1577.35	1566.40	1560.91	1563.37	1555.54	
G 65.0	1533.91	1539.56	1547.90	1543.46	1543.79	1556.05	1543.79	1543.46	1547.90	1539.56	1533.91	1530.98	1515.58	
G 70.0	1479.26	1495.10	1511.26	1504.58	1503.47	1520.06	1503.47	1504.58	1511.26	1495.10	1479.26	1473.14	1465.50	
G 75.0	1445.07	1453.88	1457.43	1455.91	1460.40	1473.55	1460.40	1455.91	1457.43	1453.88	1445.07	1434.68	1426.23	
G 80.0	1376.49	1385.41	1394.53	1394.83	1397.34	1406.61	1397.34	1394.83	1394.53	1385.41	1376.49	1365.54	1344.05	
G 85.0	1307.44	1317.35	1328.19	1328.55	1329.33	1335.97	1329.33	1328.55	1328.19	1317.35	1307.44	1301.46	1291.68	
G 90.0	1401.46	1411.01	1417.97	1426.32	1434.40	1441.26	1434.40	1426.32	1417.97	1411.01	1401.46	1388.42	1375.75	

Luminaire

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

Measur.

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

Luminaire Flux	512.67 lm	Luminaire Power	80.00 W	Efficacy	6.41 lm/W	Efficiency	61.03%
Lamps Flux	840.00 lm	Maximum value	140.05 cd/klm	Position	C=45.00 G=5.00	CG	Double Symmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10	1902.10
G 5.0	1872.73	1870.54	1872.73	1873.70	1875.39	1879.90	1878.21	1872.70	1875.02	1877.37
G 10.0	1857.82	1851.07	1857.82	1857.72	1854.05	1856.34	1859.05	1857.64	1853.42	1851.38
G 15.0	1831.21	1825.87	1831.21	1833.18	1833.70	1834.31	1833.96	1832.46	1831.65	1831.79
G 20.0	1811.66	1810.23	1811.66	1812.35	1811.55	1810.95	1813.25	1817.38	1812.01	1807.76
G 25.0	1791.86	1782.72	1791.86	1792.63	1789.40	1793.63	1795.50	1790.94	1786.45	1785.47
G 30.0	1771.08	1764.78	1771.08	1766.98	1759.07	1763.52	1768.17	1765.23	1759.34	1757.95
G 35.0	1730.98	1727.76	1730.98	1733.55	1736.99	1742.68	1743.36	1738.60	1735.14	1732.43
G 40.0	1703.17	1712.07	1703.17	1700.80	1703.56	1704.32	1704.49	1703.72	1700.31	1702.46
G 45.0	1669.35	1669.24	1669.35	1670.52	1676.00	1685.08	1686.82	1680.62	1676.78	1677.43
G 50.0	1634.60	1652.82	1634.60	1631.10	1637.87	1638.37	1642.61	1647.57	1639.50	1640.37
G 55.0	1595.73	1600.51	1595.73	1599.96	1610.22	1615.05	1616.41	1616.18	1613.84	1613.31
G 60.0	1556.36	1572.53	1556.36	1555.54	1563.37	1560.91	1566.40	1577.35	1572.37	1574.48
G 65.0	1506.07	1509.60	1506.07	1515.58	1530.98	1533.91	1539.56	1547.90	1543.46	1543.79
G 70.0	1469.84	1488.86	1469.84	1465.50	1473.14	1479.26	1495.10	1511.26	1504.58	1503.47
G 75.0	1418.81	1411.39	1418.81	1426.23	1434.68	1445.07	1453.88	1457.43	1455.91	1460.40
G 80.0	1342.02	1366.35	1342.02	1344.05	1365.54	1376.49	1385.41	1394.53	1394.83	1397.34
G 85.0	1283.47	1279.28	1283.47	1291.68	1301.46	1307.44	1317.35	1328.19	1328.55	1329.33
G 90.0	1368.03	1365.19	1368.03	1375.75	1388.42	1401.46	1411.01	1417.97	1426.32	1434.40

Luminaire

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

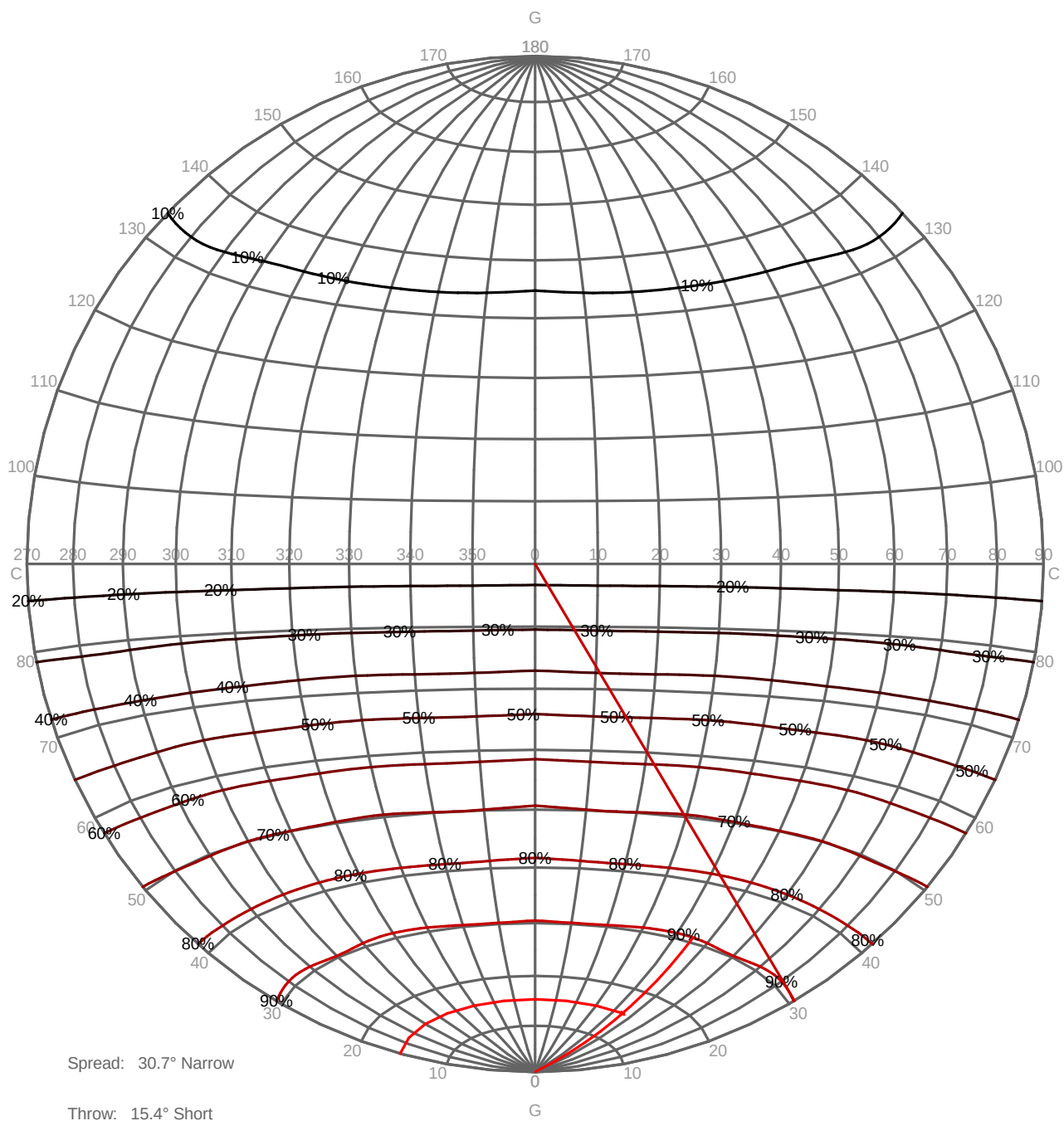
Measurem.

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

Luminaire Flux	512.67 lm	Luminaire Power	80.00 W	Efficacy	6.41 lm/W	Efficiency	61.03%
Lamps Flux	840.00 lm	Maximum value	140.05 cd/klm	Position	C=45.00 G=5.00	CG	Double Symmetrical

PERCENTAGE ISOCANDLES

Projection: Equal Area SLI (glare) 7.3 Tight Tilting Angle:0°



Luminaire

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

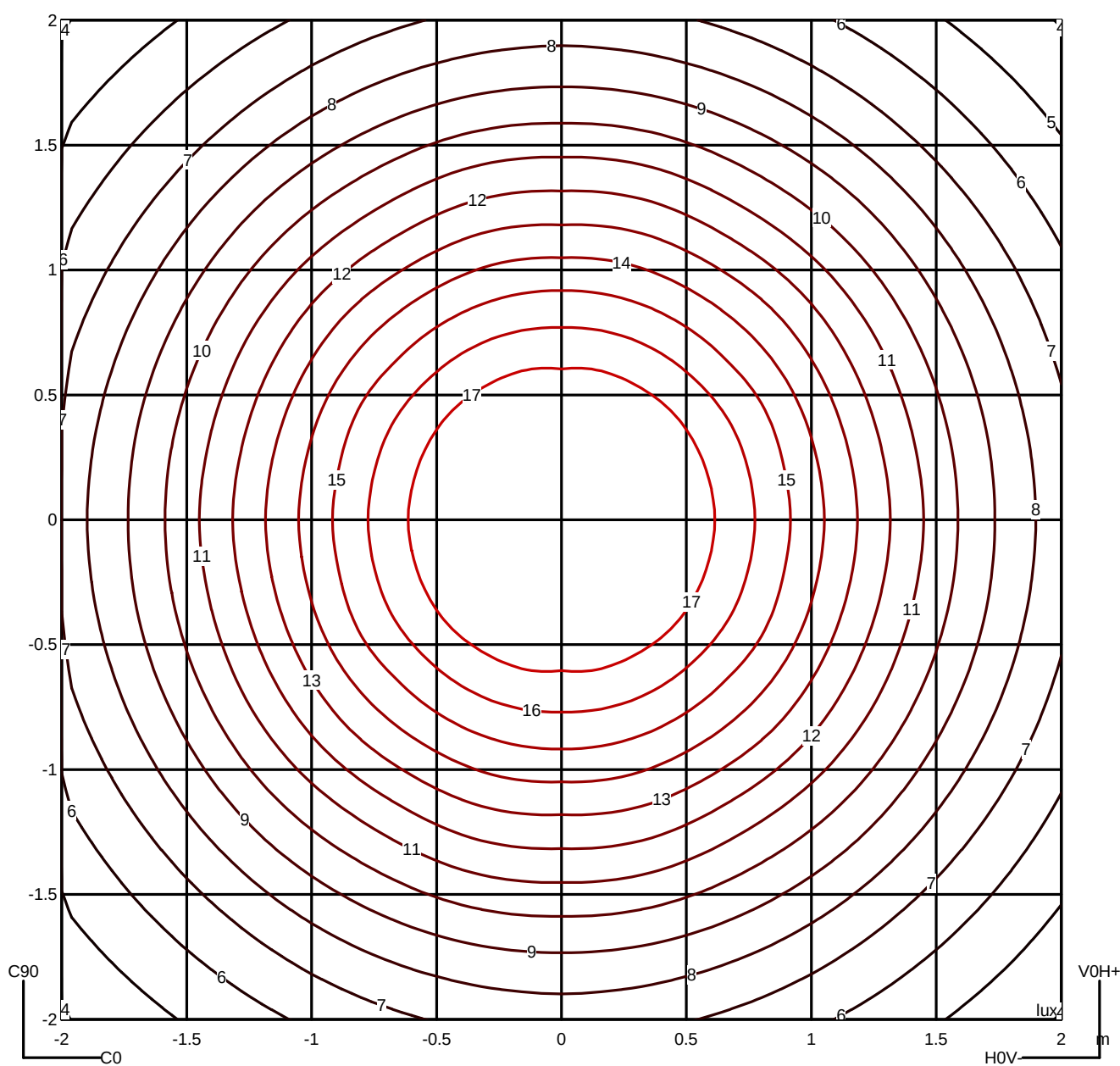
Measur.

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

Luminaire Flux	512.67 lm	Luminaire Power	80.00 W	Efficacy	6.41 lm/W	Efficiency	61.03%
Lamps Flux	840.00 lm	Maximum value	140.05 cd/klm	Position	C=45.00 G=5.00	CG	Double Symmetrical

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire

Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

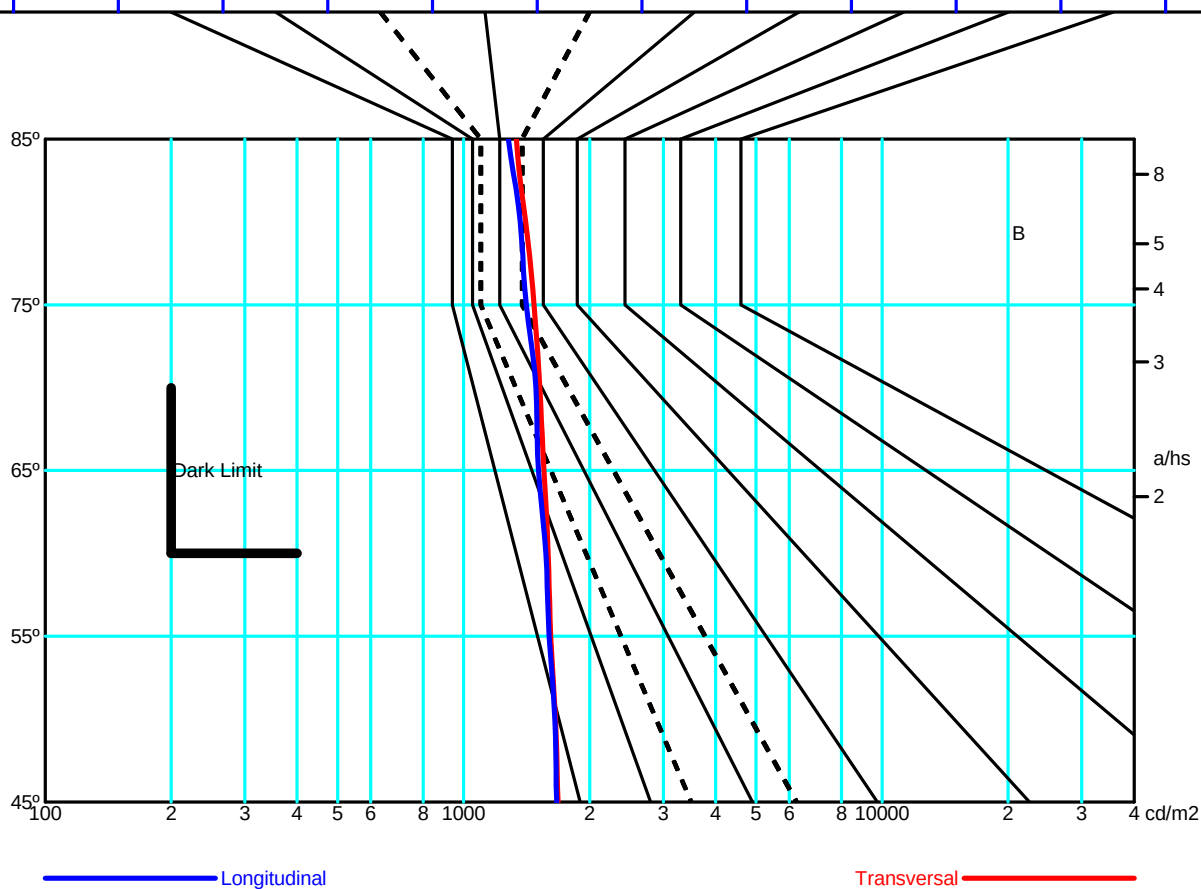
Measur.

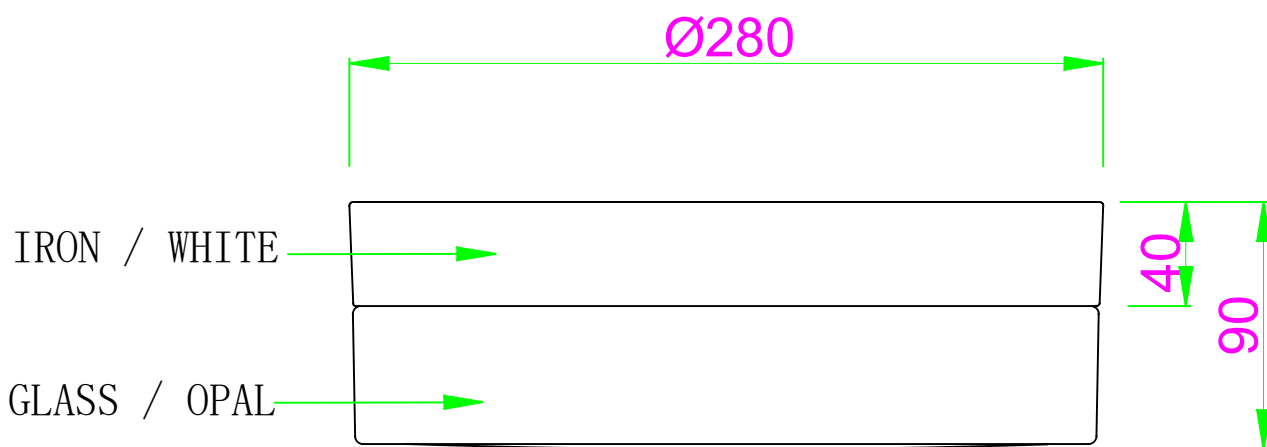
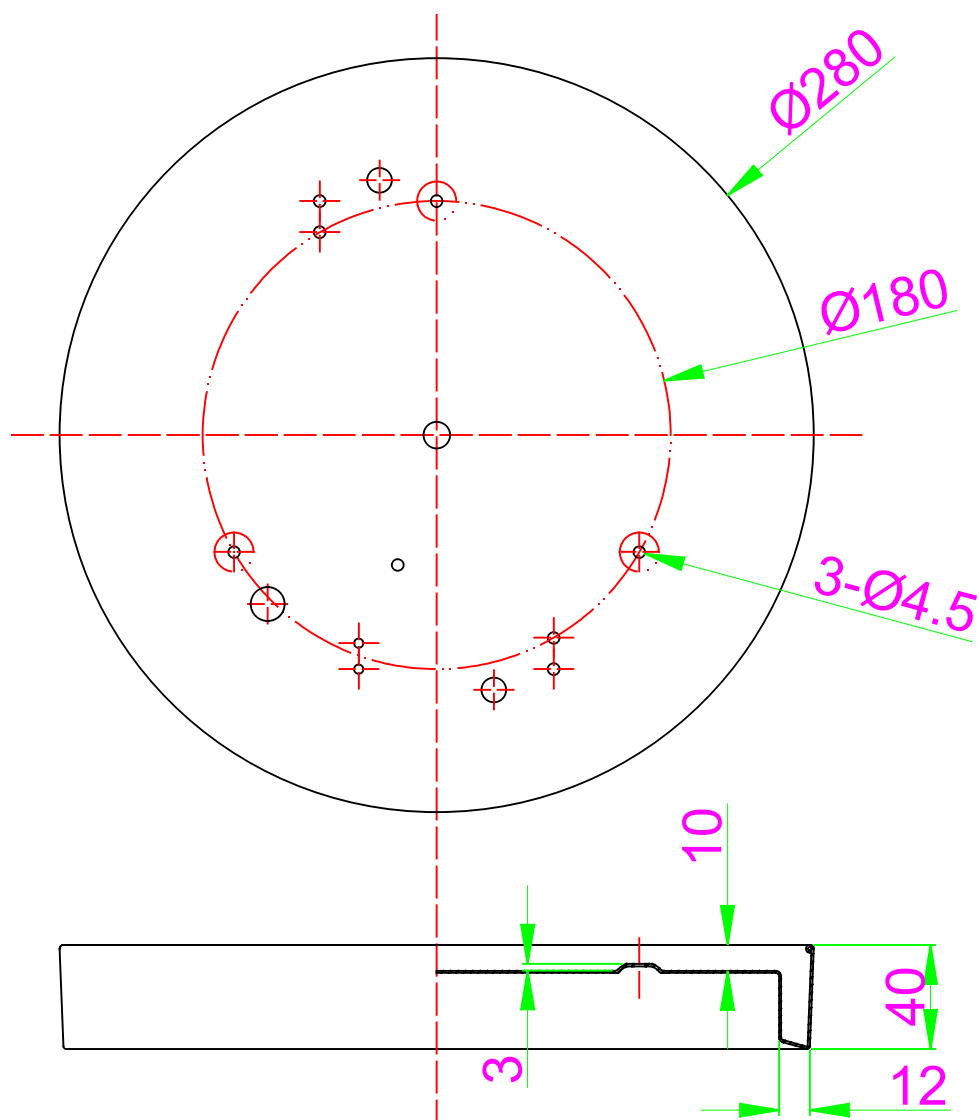
Code DE-0199-BLA
Name Plafón 2x40W inc. E27 opal

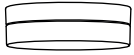
Luminaire Flux	512.67 lm	Luminaire Power	80.00 W	Efficacy	6.41 lm/W	Efficiency	61.03%
Lamps Flux	840.00 lm	Maximum value	140.05 cd/klm	Position	C=45.00 G=5.00	CG	Double Symmetrical

Average Luminance [cd/m²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	
1681	1669	1658	1616	1593	1556	1520	1474	1407	1336	---
90.0°	1669	1653	1601	1573	1510	1489	1411	1366	1279	---

Flush mounted or transversal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55







Farrow
DE-0199

FOR
LIGHT

