

Luminaire

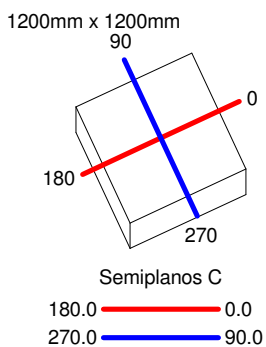
Code 2645XX/23
Name STRUCTURAL

Measur.

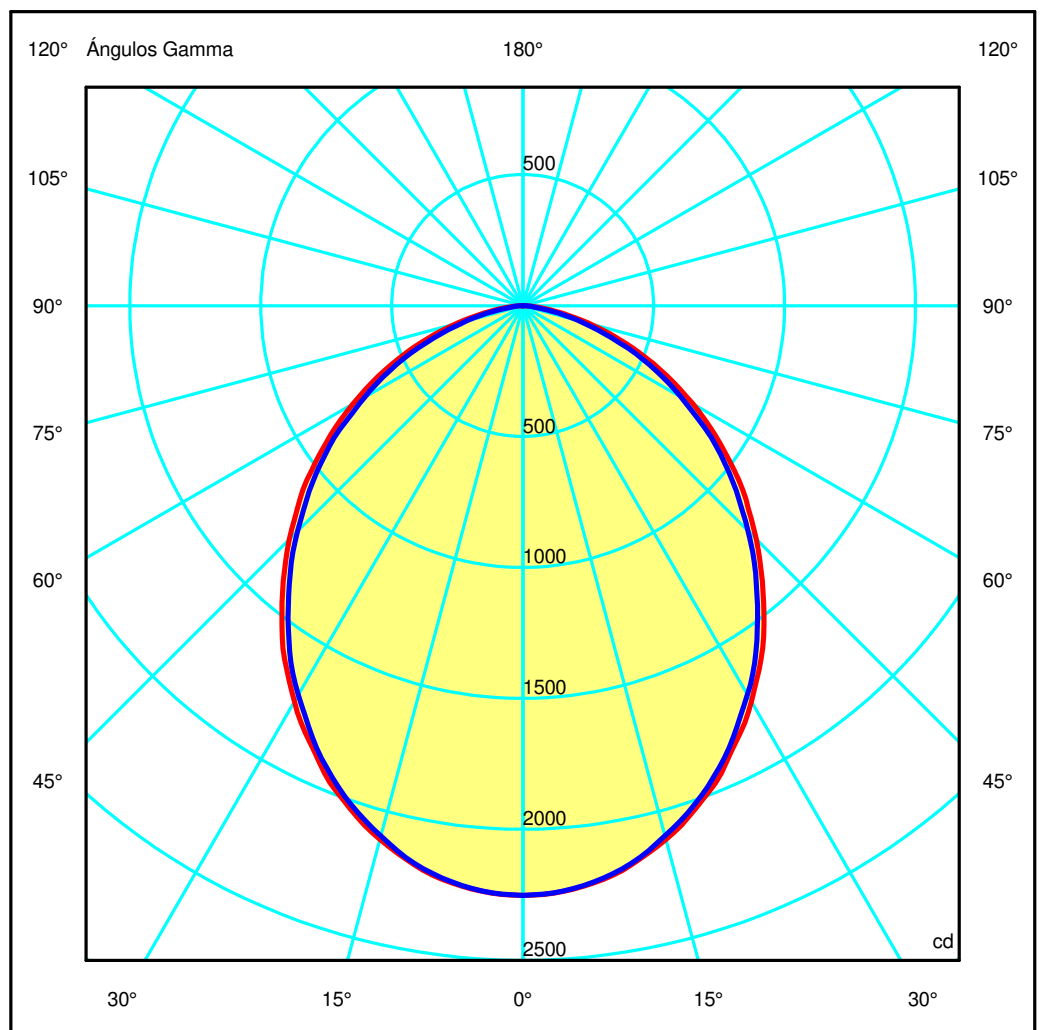
Code CL252A19F014G
Name 3000K CRI90

Luminaire Flux	5200.43 lm	Luminaire Power	75.00 W	Efficacy	69.34 lm/W	Efficiency	100.00%
Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG	Asymmetrical
Rectangular Luminaire		Length	1200 mm	Width	1200 mm	Height	150 mm
Rectangular Luminous Area		Length	1200 mm	Width	1200 mm	Height	150 mm
Horizontal Luminous Area		1.440000 m2		Emitting area on Plane 180°		0.180000 m2	
Emitting area on Plane 0°		0.180000 m2		Emitting area on Plane 270°		0.180000 m2	
Emitting area on Plane 90°		0.180000 m2		Glare area at 76°		0.523021 m2	
Coordinate system		CG		Symmetry Type		Asymmetrical	
Date		11-06-2019		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		5200.43 lm	
Operator		Asselum T2		Rated Voltage		Prc	
Temperature		24.40 °C		Rated Current			
Humidity		46.10 %		Photocell			
Notes							

Luminaire Lamps						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
SAMSUNG LM281B+ SG VM	1x 5751946 + 3x 5751947	1x 5751946 + 3x 5751947	5200.43	75.00	1	
C.I.E.	53 84 98 100 100	D DIN 5040	A40			
F UTE	1.00 D	B NBN	BZ 4			



ULOR 0.01 %
DLOR 99.99 %
RN 0.01 %



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Sources Flux		5200.43 lm		Maximum value		2251.45 cd		Position		C=0.00 G=0.00		CG Asymmetrical			
Luminous Intensity Table cd Table 1/2															
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00		
G 0.0	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251
G 2.5	2248	2247	2247	2247	2247	2246	2247	2246	2247	2247	2247	2247	2247	2248	2248
G 5.0	2236	2236	2235	2235	2234	2234	2234	2234	2234	2235	2235	2235	2236	2236	2236
G 7.5	2216	2216	2216	2215	2214	2213	2212	2213	2214	2215	2216	2216	2216	2216	2216
G 10.0	2189	2191	2188	2188	2183	2184	2184	2184	2183	2188	2188	2188	2191	2189	2189
G 12.5	2151	2150	2151	2149	2145	2141	2145	2141	2145	2149	2151	2150	2151	2151	2151
G 15.0	2110	2106	2105	2102	2099	2097	2096	2097	2099	2102	2105	2106	2110	2110	2110
G 17.5	2063	2060	2056	2052	2050	2048	2047	2048	2050	2052	2056	2060	2063	2063	2063
G 20.0	2007	2008	2004	1998	1995	1993	1992	1993	1995	1998	2004	2008	2007	2007	2007
G 22.5	1953	1952	1941	1936	1931	1933	1930	1933	1931	1936	1941	1952	1953	1953	1953
G 25.0	1881	1877	1873	1866	1862	1856	1863	1856	1862	1866	1873	1877	1881	1881	1881
G 27.5	1817	1808	1800	1793	1787	1787	1787	1787	1787	1793	1800	1808	1817	1817	1817
G 30.0	1745	1741	1729	1720	1716	1716	1715	1716	1716	1720	1729	1741	1745	1745	1745
G 32.5	1671	1667	1657	1644	1642	1640	1641	1640	1642	1644	1657	1671	1671	1671	1671
G 35.0	1596	1594	1576	1562	1559	1561	1558	1561	1559	1562	1576	1594	1596	1596	1596
G 37.5	1512	1498	1488	1474	1470	1464	1472	1464	1470	1474	1488	1498	1512	1512	1512
G 40.0	1427	1419	1398	1390	1383	1384	1387	1384	1383	1390	1398	1419	1427	1427	1427
G 42.5	1344	1335	1319	1306	1300	1295	1305	1295	1300	1306	1319	1335	1344	1344	1344
G 45.0	1261	1246	1236	1222	1216	1217	1216	1217	1216	1222	1236	1246	1261	1261	1261
G 47.5	1175	1165	1149	1130	1128	1133	1129	1133	1128	1130	1149	1165	1175	1175	1175
G 50.0	1097	1078	1064	1047	1042	1040	1048	1040	1042	1047	1064	1078	1097	1097	1097
G 52.5	1007	997	972	963	954	956	962	956	954	963	972	997	1007	1007	1007
G 55.0	921	907	892	876	871	863	879	863	871	876	892	907	921	921	921
G 57.5	836	817	801	788	778	781	782	781	778	788	801	817	836	836	836
G 60.0	748	734	717	696	693	693	696	693	696	717	734	748	748	748	748
G 62.5	664	647	631	615	608	604	613	604	608	615	631	647	664	664	664
G 65.0	579	565	544	532	524	525	532	525	524	532	544	565	579	579	579
G 67.5	497	483	464	448	443	435	450	435	443	448	464	483	497	497	497
G 70.0	416	399	381	364	359	361	361	361	359	364	381	399	416	416	416
G 72.5	336	321	304	287	284	284	286	284	284	287	304	321	336	336	336
G 75.0	259	247	232	218	212	210	217	210	212	218	232	247	259	259	259
G 77.5	191	180	165	155	150	149	153	149	150	155	165	180	191	191	191
G 80.0	130	118	108	98	94	87	94	87	94	98	108	118	130	130	130
G 82.5	78	67	60	50	48	46	48	46	48	50	60	67	78	78	78
G 85.0	40	32	28	23	24	25	27	25	24	23	28	32	40	40	40
G 87.5	14	11	10	10	10	11	12	11	10	10	11	14	14	14	14
G 90.0	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4
G 92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 95.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 97.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 102.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 105.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 107.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 110.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 112.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 115.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 117.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 120.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 122.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 125.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 127.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 130.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 132.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 135.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 137.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 140.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 142.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 145.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 147.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 150.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 152.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 155.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 157.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 160.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 162.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 165.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 167.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 170.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 172.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 175.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 177.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 180.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG Asymmetrical	

Luminous Intensity Table cd Table 2/2

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251
G 2.5	2247	2247	2247	2247	2246	2247	2246	2247	2247	2247	2247
G 5.0	2236	2235	2235	2234	2234	2234	2234	2234	2235	2235	2236
G 7.5	2216	2216	2215	2214	2213	2212	2213	2214	2215	2216	2216
G 10.0	2191	2188	2188	2183	2184	2184	2184	2183	2188	2188	2191
G 12.5	2150	2151	2149	2145	2141	2145	2141	2145	2149	2151	2150
G 15.0	2106	2105	2102	2099	2097	2096	2097	2099	2102	2105	2106
G 17.5	2060	2056	2052	2050	2048	2047	2048	2050	2052	2056	2060
G 20.0	2008	2004	1998	1995	1993	1992	1993	1995	1998	2004	2008
G 22.5	1952	1941	1936	1931	1933	1930	1933	1931	1936	1941	1952
G 25.0	1877	1873	1866	1862	1856	1863	1856	1862	1866	1873	1877
G 27.5	1808	1800	1793	1787	1787	1787	1787	1787	1793	1800	1808
G 30.0	1741	1729	1720	1716	1716	1715	1716	1716	1720	1729	1741
G 32.5	1667	1657	1644	1642	1640	1641	1640	1642	1644	1657	1667
G 35.0	1594	1576	1562	1559	1561	1558	1561	1559	1562	1576	1594
G 37.5	1498	1488	1474	1470	1464	1472	1464	1470	1474	1488	1498
G 40.0	1419	1398	1390	1383	1384	1387	1384	1383	1390	1398	1419
G 42.5	1335	1319	1306	1300	1295	1305	1295	1300	1306	1319	1335
G 45.0	1246	1236	1222	1216	1217	1216	1217	1216	1222	1236	1246
G 47.5	1165	1149	1130	1128	1133	1129	1133	1128	1130	1149	1165
G 50.0	1078	1064	1047	1042	1040	1048	1040	1042	1047	1064	1078
G 52.5	997	972	963	954	956	962	956	954	963	972	997
G 55.0	907	892	876	871	863	879	863	871	876	892	907
G 57.5	817	801	788	778	781	782	781	778	788	801	817
G 60.0	734	717	696	693	693	696	693	696	717	734	
G 62.5	647	631	615	608	604	613	604	608	615	631	647
G 65.0	565	544	532	524	525	532	525	524	532	544	565
G 67.5	483	464	448	443	435	450	435	443	448	464	483
G 70.0	399	381	364	359	361	361	361	359	364	381	399
G 72.5	321	304	287	284	284	286	284	284	287	304	321
G 75.0	247	232	218	212	210	217	210	212	218	232	247
G 77.5	180	165	155	150	149	153	149	150	155	165	180
G 80.0	118	108	98	94	87	94	87	94	98	108	118
G 82.5	67	60	50	48	46	48	46	48	50	60	67
G 85.0	32	28	23	24	25	27	25	24	23	28	32
G 87.5	11	10	10	10	11	12	11	10	10	10	11
G 90.0	3	3	3	3	3	3	3	3	3	3	3
G 92.5	0	0	0	0	0	0	0	0	0	0	0
G 95.0	0	0	0	0	0	0	0	0	0	0	0
G 97.5	0	0	0	0	0	0	0	0	0	0	0
G100.0	0	0	0	0	0	0	0	0	0	0	0
G102.5	0	0	0	0	0	0	0	0	0	0	0
G105.0	0	0	0	0	0	0	0	0	0	0	0
G107.5	0	0	0	0	0	0	0	0	0	0	0
G110.0	0	0	0	0	0	0	0	0	0	0	0
G112.5	0	0	0	0	0	0	0	0	0	0	0
G115.0	0	0	0	0	0	0	0	0	0	0	0
G117.5	0	0	0	0	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0	0	0	0	0
G122.5	0	0	0	0	0	0	0	0	0	0	0
G125.0	0	0	0	0	0	0	0	0	0	0	0
G127.5	0	0	0	0	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0	0	0	0	0
G132.5	0	0	0	0	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0	0	0	0	0
G137.5	0	0	0	0	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0	0	0	0	0

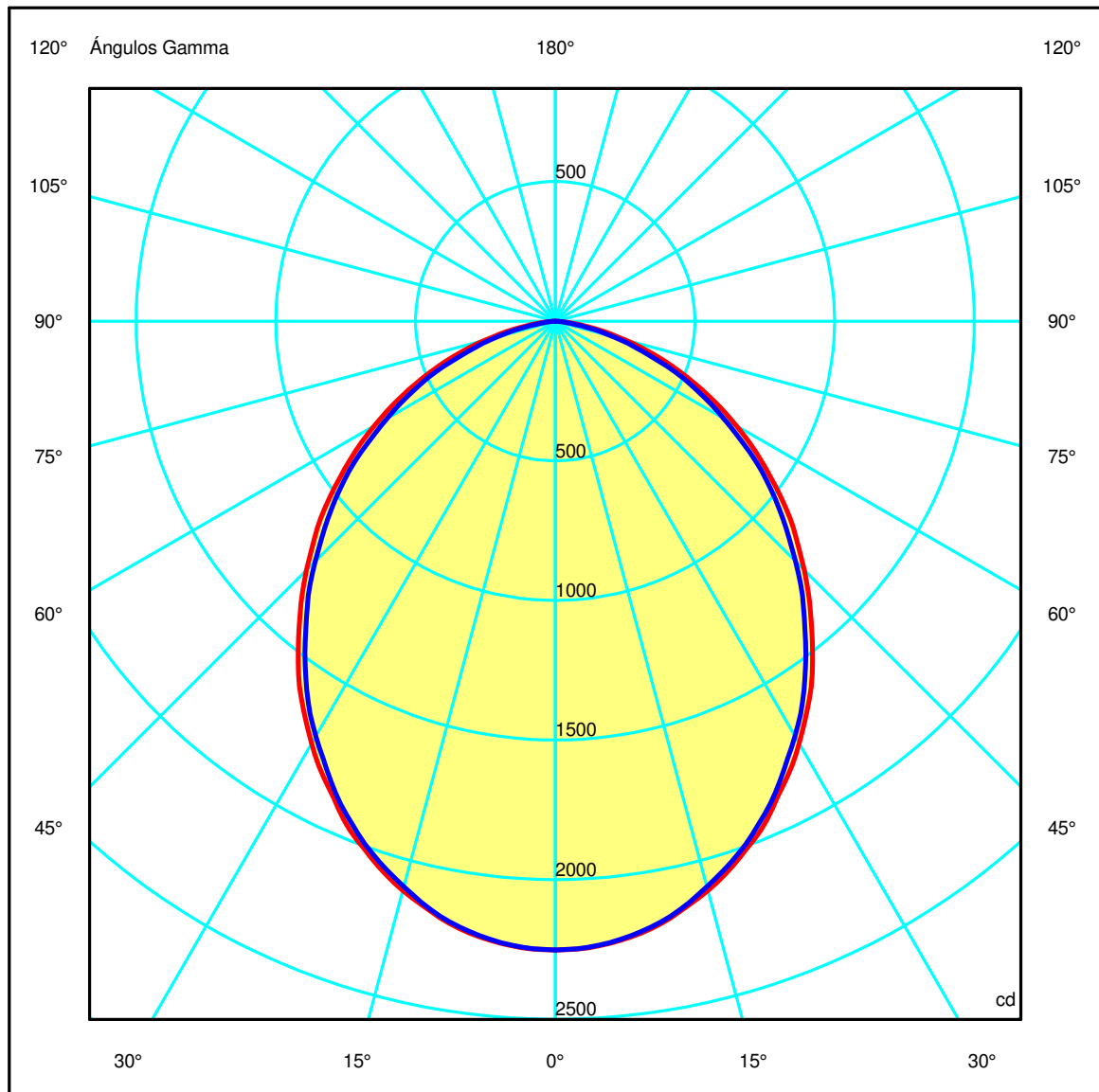
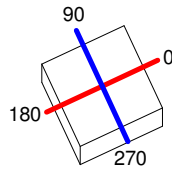
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Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

1200mm x 1200mm

Semiplanos C

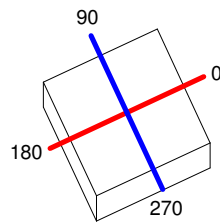
180.0 ————— 0.0
270.0 ————— 90.0



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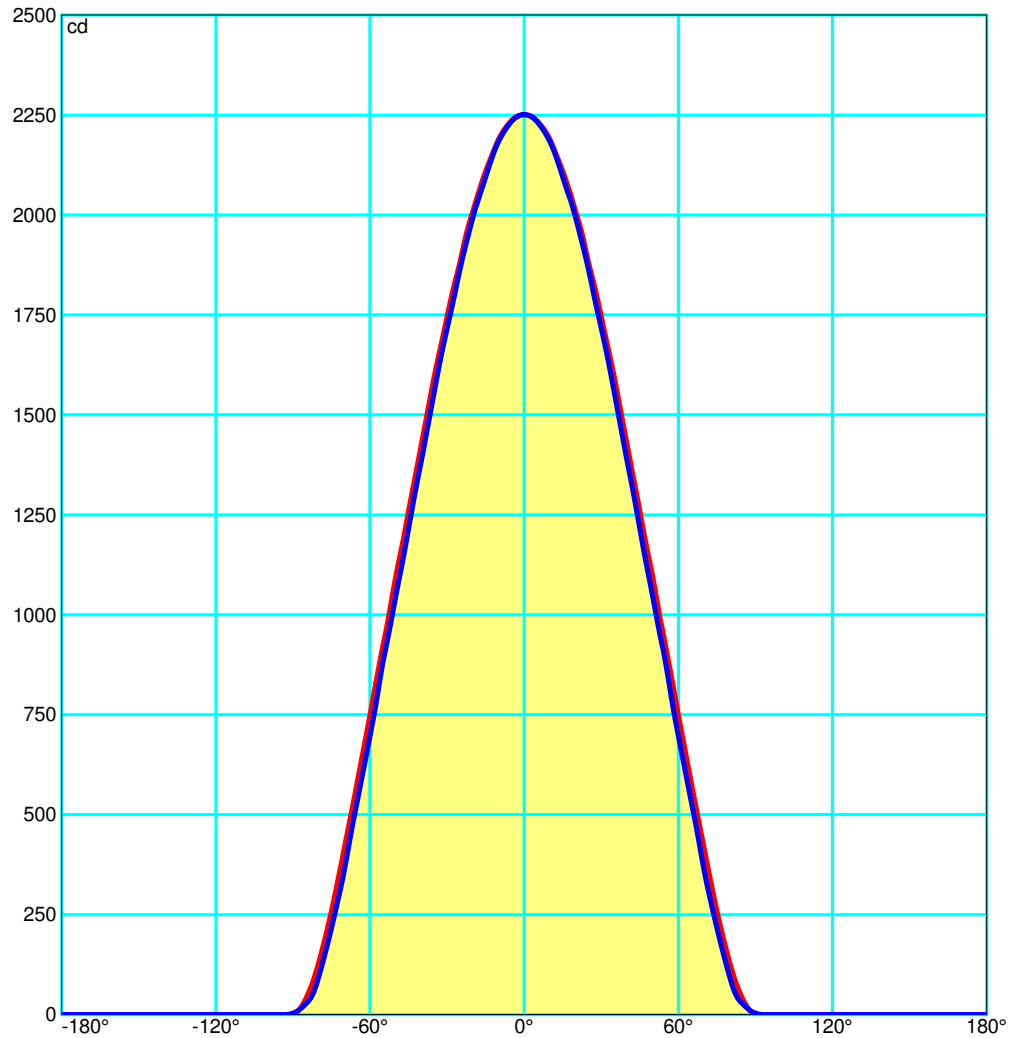
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Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

1200mm x 1200mm



Semiplanos C

180.0	—	0.0
270.0	—	90.0



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Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG Asymmetrical	

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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	11.9	13.2	12.2	13.4	13.6	11.7	12.9	12.0	13.1	13.3
x=2H y=3H	13.1	14.2	13.5	14.5	14.8	12.7	13.8	13.0	14.1	14.4
x=2H y=4H	13.5	14.5	13.8	14.8	15.1	13.0	14.1	13.3	14.3	14.6
x=2H y=6H	13.7	14.6	14.0	14.9	15.2	13.1	14.1	13.5	14.4	14.7
x=2H y=8H	13.7	14.6	14.0	14.9	15.2	13.1	14.0	13.5	14.3	14.7
x=2H y=12H	13.7	14.6	14.0	14.9	15.2	13.1	14.0	13.4	14.3	14.6
x=4H y=2H	12.5	13.5	12.8	13.8	14.1	12.2	13.3	12.6	13.6	13.8
x=4H y=3H	13.8	14.6	14.1	15.0	15.3	13.4	14.3	13.8	14.6	14.9
x=4H y=4H	14.2	15.0	14.6	15.3	15.7	13.8	14.5	14.2	14.9	15.3
x=4H y=6H	14.5	15.1	14.9	15.5	15.9	13.9	14.6	14.3	15.0	15.4
x=4H y=8H	14.5	15.1	14.9	15.5	15.9	13.9	14.5	14.3	14.9	15.3
x=4H y=12H	14.5	15.0	14.9	15.5	15.9	13.9	14.5	14.4	14.9	15.3
x=8H y=4H	14.3	14.9	14.7	15.3	15.7	13.9	14.5	14.3	14.9	15.3
x=8H y=6H	14.6	15.1	15.1	15.5	16.0	14.1	14.6	14.6	15.0	15.5
x=8H y=8H	14.7	15.1	15.1	15.5	16.0	14.1	14.5	14.6	15.0	15.5
x=8H y=12H	14.7	15.0	15.2	15.5	16.0	14.1	14.5	14.6	15.0	15.5
x=12H y=4H	14.3	14.9	14.7	15.3	15.7	13.9	14.5	14.3	14.9	15.3
x=12H y=6H	14.6	15.0	15.1	15.5	15.9	14.1	14.5	14.6	15.0	15.5
x=12H y=8H	14.7	15.0	15.1	15.5	16.0	14.1	14.5	14.6	15.0	15.5

Luminaire

Code 2645XX/23
Name STRUCTURAL

Measur.

Code CL252A19F014G
Name 3000K CRI90

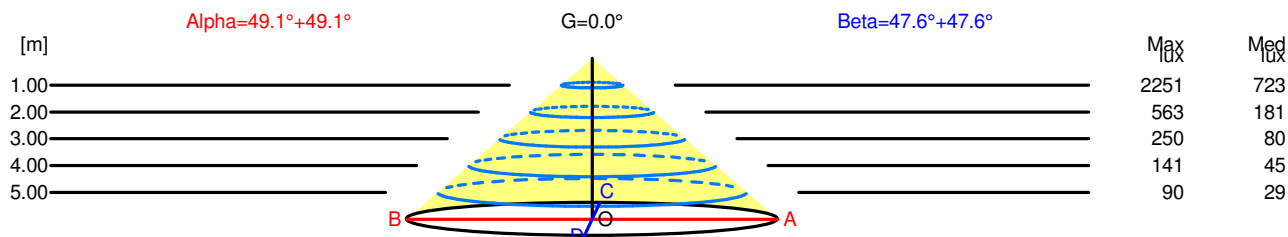
Luminaire Flux	5200.43 lm	Luminaire Power	75.00 W	Efficacy	69.34 lm/W	Efficiency	100.00%
Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG Asymmetrical	

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	1.15	2.31	3.46	4.62	5.77	OC	1.10	2.19	3.29	4.38	5.48
OB	1.15	2.31	3.46	4.62	5.77	OD	1.10	2.19	3.29	4.38	5.48

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	2251.45	2236.14	2110.18	1880.54	1596.43	1260.66	920.58	579.17	259.26	40.10
OB	2251.45	2236.14	2110.18	1880.54	1596.43	1260.66	920.58	579.17	259.26	40.10
OC	2251.45	2233.53	2095.74	1863.29	1557.66	1216.40	879.04	532.00	216.88	27.14
OD	2251.45	2233.53	2095.74	1863.29	1557.66	1216.40	879.04	532.00	216.88	27.14



H[m]	D[m]	Max lux	Med lux	Alpha=49.1°+49.1°	G=0.0	
1.00	2.31	2251	723			
2.00	4.62	563	181			
3.00	6.92	250	80			
4.00	9.23	141	45			
5.00	11.54	90	29			

H[m]	D[m]	Max lux	Med lux	Beta=47.6°+47.6°	G=0.0	
1.00	2.19	2251	723			
2.00	4.38	563	181			
3.00	6.57	250	80			
4.00	8.76	141	45			
5.00	10.95	90	29			

Luminaire
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Luminaire Flux	5200.43 lm	Luminaire Power	75.00 W	Efficacy	69.34 lm/W	Efficiency	100.00%
Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG Asymmetrical	

Flujo Total=5200.43 Flujo Luminaria=5200.43

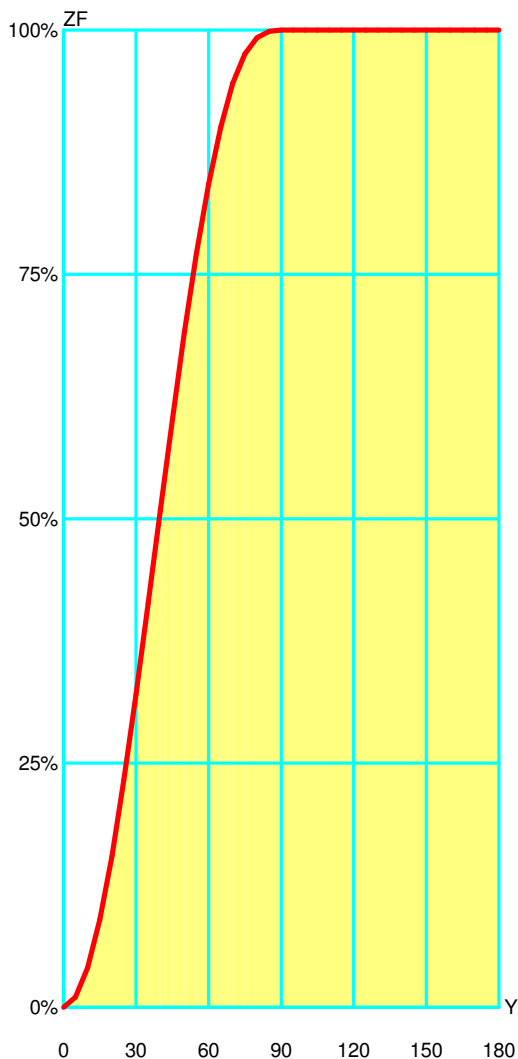
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.35	0.44	0.51	0.59	0.64	0.72	0.78	0.81	0.86	0.89	0.94	0.97
RC	4	4	4	4	4	4	4	4	3	3	3	3

		Flujo Zonal por 1000 Lúmenes																	
Y°		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)		41	155	320	508	691	842	945	992	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
53 84 98 100 100

C.I.E. 4/4/4/4/4/4/4/3/3/3
D DIN 5040 A40
F UTE 1.00 D
B NBN BZ 4
RN 0.00701 %
BLF 1.0

LOR 100.00000 %
ULOR 0.00701 %
DLOR 99.99299 %
UFF 0.00701 %
DFF 99.99299 %
FFR 0.00701 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.31	10.31	1.03 %	1.03 %
10°	30.42	40.73	3.04 %	4.07 %
15°	48.91	89.63	4.89 %	8.96 %
20°	64.98	154.62	6.50 %	15.46 %
25°	78.03	232.65	7.80 %	23.26 %
30°	87.35	320.00	8.74 %	32.00 %
35°	93.36	413.36	9.34 %	41.34 %
40°	95.06	508.42	9.51 %	50.84 %
45°	93.44	601.86	9.34 %	60.19 %
50°	88.76	690.61	8.88 %	69.06 %
55°	81.14	771.75	8.11 %	77.18 %
60°	70.73	842.49	7.07 %	84.25 %
65°	58.35	900.83	5.83 %	90.08 %
70°	44.56	945.39	4.46 %	94.54 %
75°	30.09	975.48	3.01 %	97.55 %
80°	16.77	992.26	1.68 %	99.23 %
85°	6.31	998.56	0.63 %	99.86 %
90°	1.37	999.93	0.14 %	99.99 %
95°	0.07	1000.00	0.01 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Luminaire Flux	5200.43 lm	Luminaire Power	75.00 W	Efficacy	69.34 lm/W	Efficiency	100.00%
Sources Flux	5200.43 lm	Maximum value	2251.45 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

Isolux (Floor)

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

