Luminaire
Code 32513xxx189
Name URBAN PF/120 LED WHITE RIBBON
Measurem.
Code CL092A22F023G
Name URBAN PF/120 LED WHITE RIBBON

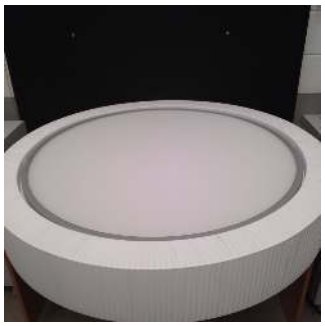
Luminaire Flux	9633.46 lm	Luminaire Power	77.35 W	Efficacy	124.54 lm/W	Efficiency	100.00%
Sources Flux	9633.46 lm	Maximum value	3661.73 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 1200 mm	Height	20 mm
Round Luminous Area	Diam. 1200 mm	Height	200 mm
Horizontal Luminous Area	1.130973 m2	Emitting area on Plane 180°	0.240000 m2
Emitting area on Plane 0°	0.240000 m2	Emitting area on Plane 270°	0.240000 m2
Emitting area on Plane 90°	0.240000 m2	Glare area at 76°	0.506478 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	23-09-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	9633.45 lm
Operator	ASSELUM	Rated Voltage	33.22 V
Temperature	26.30 °C	Rated Current	2.40 A
Humidity	48.80 %	Photocell	Czibula Grundmann
Notes	RM22071402.6		

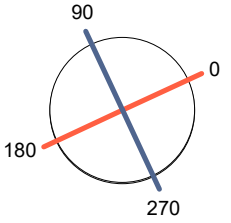
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	LED	9633.46	77.35	1

C.I.E.	49 79 95 96 100	D DIN 5040	A31
F UTE	0.96 E + 0.04 T	B NBN	BZ 4



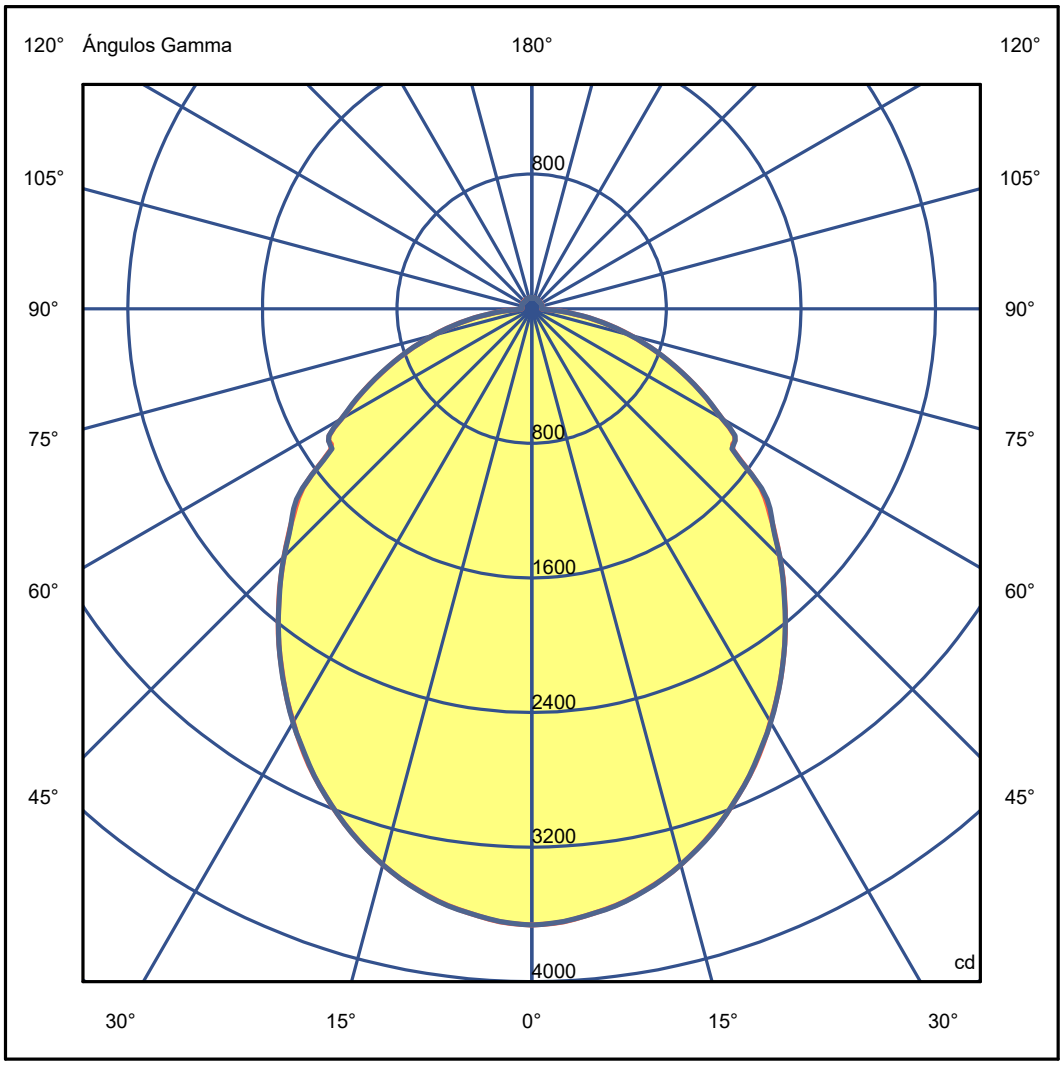
Diam=1200mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 4.07 %
DLOR 95.93 %
RN 4.07 %



Luminaire
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Measurem.
Code CL092A22F023G
Name URBAN PF/120 LED WHITE RIBBON

Luminaire Flux	9633.46 lm	Luminaire Power	77.35 W	Efficacy	124.54 lm/W	Efficiency	100.00%
Sources Flux	9633.46 lm	Maximum value	3661.73 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

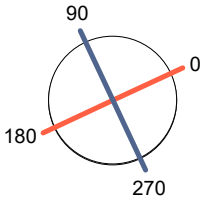
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	3661.73	3661.73	3661.73	3661.73	3661.73	3661.73	3661.73
G 2.5	3651.85	3652.16	3651.58	3650.77	3650.26	3650.05	3650.02
G 5.0	3623.39	3625.93	3627.15	3626.93	3625.39	3623.55	3622.66
G 7.5	3589.23	3591.24	3591.64	3591.29	3590.92	3590.70	3590.62
G 10.0	3543.39	3545.78	3546.16	3545.72	3545.44	3545.38	3545.40
G 12.5	3487.38	3490.47	3490.98	3490.22	3489.32	3488.65	3488.38
G 15.0	3420.37	3423.70	3423.73	3422.42	3421.38	3420.84	3420.68
G 17.5	3342.55	3346.34	3346.89	3345.93	3344.92	3344.23	3343.97
G 20.0	3257.05	3261.49	3261.95	3260.47	3258.83	3257.63	3257.16
G 22.5	3161.93	3166.19	3166.48	3164.88	3163.19	3161.98	3161.51
G 25.0	3061.91	3065.94	3065.31	3063.02	3061.48	3060.86	3060.75
G 27.5	2952.97	2958.13	2958.11	2955.39	2952.19	2949.64	2948.60
G 30.0	2836.02	2841.86	2842.67	2841.30	2840.10	2839.44	2839.25
G 32.5	2718.88	2724.12	2724.17	2722.12	2720.49	2719.64	2719.40
G 35.0	2595.49	2600.96	2601.28	2599.51	2598.14	2597.49	2597.32
G 37.5	2472.26	2477.66	2477.26	2474.61	2472.65	2471.69	2471.44
G 40.0	2342.98	2348.76	2349.24	2346.94	2344.11	2341.83	2340.89
G 42.5	2214.76	2219.70	2219.01	2216.14	2213.93	2212.77	2212.43
G 45.0	2082.44	2085.95	2084.02	2081.27	2081.21	2082.78	2083.79
G 47.5	1955.30	1969.27	1977.53	1977.34	1967.41	1955.03	1949.86
G 50.0	1829.99	1821.17	1812.05	1812.00	1823.94	1840.39	1847.37
G 52.5	1685.20	1687.56	1686.35	1684.86	1685.50	1687.27	1688.28
G 55.0	1459.46	1512.89	1552.74	1559.84	1524.56	1475.46	1450.62
G 57.5	1435.21	1392.21	1344.04	1325.40	1357.80	1409.89	1437.15
G 60.0	1307.76	1311.95	1313.10	1312.28	1310.52	1308.78	1307.99
G 62.5	1184.11	1186.94	1187.62	1187.25	1186.74	1186.36	1186.21
G 65.0	1063.50	1067.43	1068.76	1068.38	1067.16	1065.88	1065.28
G 67.5	945.30	948.85	949.99	949.67	948.75	947.82	947.40
G 70.0	831.71	834.63	834.95	833.71	831.85	830.18	829.45
G 72.5	716.52	719.67	720.36	719.67	718.58	717.63	717.22
G 75.0	603.86	606.95	607.89	607.59	606.90	606.24	605.94
G 77.5	495.84	497.42	496.74	495.64	495.49	495.96	496.29
G 80.0	388.66	391.09	391.10	389.88	388.49	387.41	386.97
G 82.5	279.30	282.81	284.30	284.30	283.35	282.20	281.64
G 85.0	180.51	183.02	183.32	182.11	180.11	178.23	177.39
G 87.5	86.55	96.52	105.30	107.80	101.12	91.18	86.07
G 90.0	58.73	61.28	63.37	64.52	62.77	60.19	58.91
G 92.5	59.31	59.41	59.50	59.55	59.55	59.52	59.50
G 95.0	59.97	60.02	60.04	60.06	60.07	60.07	60.07
G 97.5	60.72	60.73	60.71	60.69	60.67	60.66	60.66
G100.0	61.68	61.63	61.53	61.44	61.39	61.38	61.38
G102.5	62.56	62.46	62.31	62.18	62.13	62.13	62.14
G105.0	63.29	63.09	62.84	62.65	62.63	62.71	62.76
G107.5	63.71	63.55	63.29	63.07	62.98	62.98	63.00
G110.0	63.94	63.81	63.59	63.36	63.21	63.13	63.11
G112.5	64.03	63.83	63.59	63.36	63.16	63.05	63.01
G115.0	63.84	63.77	63.59	63.32	63.04	62.79	62.64
G117.5	63.70	63.63	63.43	63.13	62.76	62.45	62.31
G120.0	63.59	63.50	63.26	62.93	62.56	62.24	62.11
G122.5	63.45	63.35	63.09	62.72	62.32	61.99	61.85
G125.0	63.20	63.12	62.87	62.49	62.03	61.64	61.47
G127.5	62.92	62.84	62.59	62.19	61.72	61.32	61.15
G130.0	62.55	62.53	62.34	61.99	61.52	61.10	60.92
G132.5	62.44	62.41	62.26	61.98	61.53	61.11	60.87
G135.0	62.77	62.60	62.30	61.94	61.56	61.27	61.15
G137.5	63.02	62.75	62.30	61.87	61.62	61.52	61.50
G140.0	62.97	62.62	62.10	61.65	61.48	61.48	61.52
G142.5	62.72	62.40	61.88	61.45	61.29	61.32	61.37
G145.0	62.38	62.30	62.10	61.87	61.67	61.52	61.47
G147.5	62.97	62.86	62.64	62.44	62.34	62.31	62.31
G150.0	64.30	63.95	63.43	63.06	63.07	63.29	63.42
G152.5	65.08	64.79	64.32	63.99	64.02	64.24	64.37
G155.0	65.34	65.15	64.77	64.48	64.49	64.66	64.77
G157.5	65.61	65.37	64.89	64.54	64.67	64.87	64.94
G160.0	65.66	65.40	64.94	64.64	64.73	65.02	65.19
G162.5	65.74	65.33	64.68	64.32	64.65	65.13	65.38
G165.0	65.59	65.30	64.87	64.74	65.17	65.81	66.13
G167.5	65.59	65.36	65.00	64.89	65.27	65.83	66.12
G170.0	64.98	64.57	64.05	63.87	64.31	64.98	65.32
G172.5	64.14	63.87	63.59	63.38	63.36	63.41	63.44
G175.0	65.21	64.72	64.24	64.04	64.29	64.72	64.95
G177.5	66.74	66.12	65.52	65.29	65.74	66.48	66.86
G180.0	65.88	65.88	65.88	65.88	65.88	65.88	65.88

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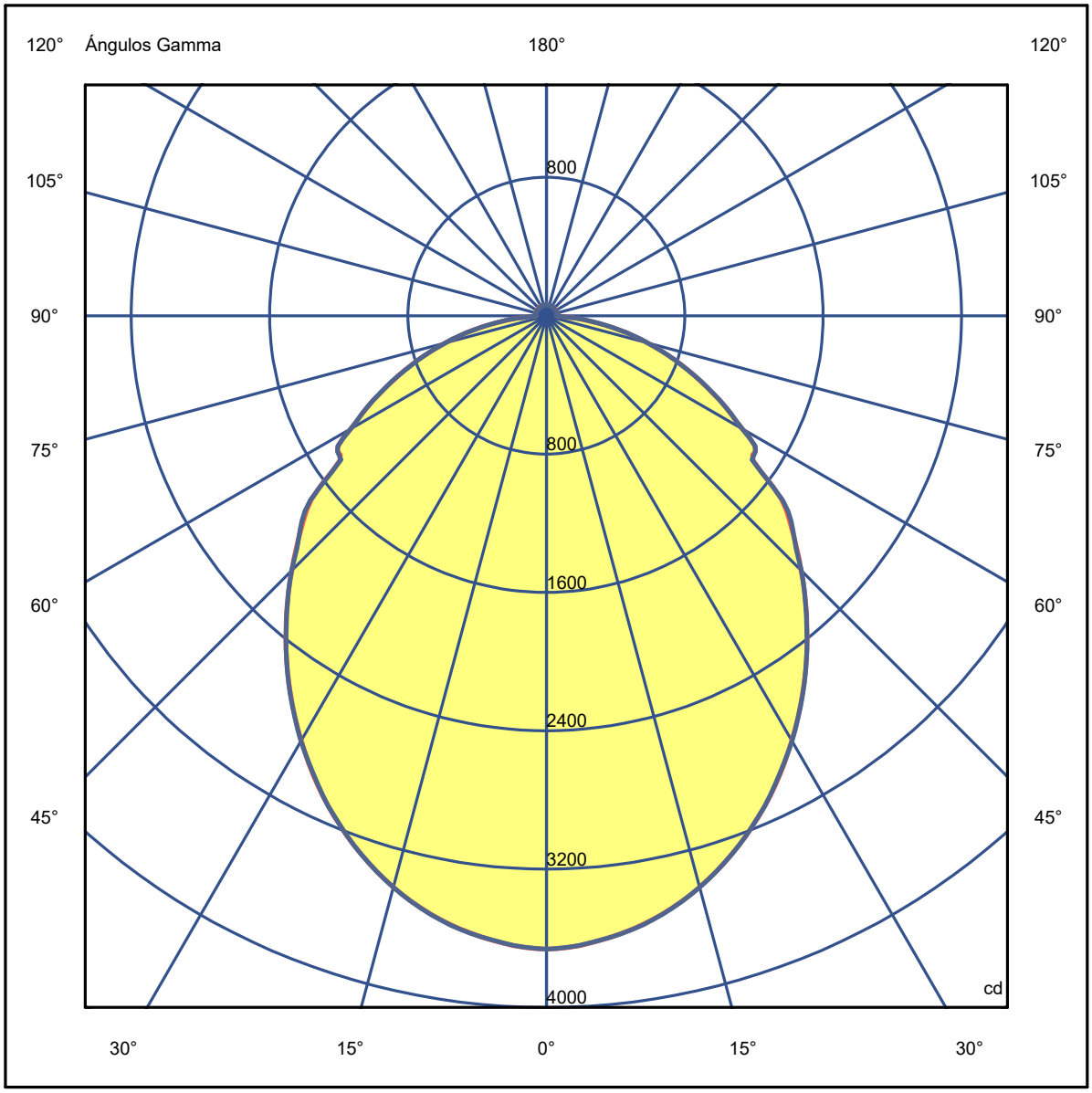
Luminaire Flux	9633.46 lm	Luminaire Power	77.35 W	Efficacy	124.54 lm/W	Efficiency	100.00%
Sources Flux	9633.46 lm	Maximum value	3661.73 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1200mm



Semiplanos C

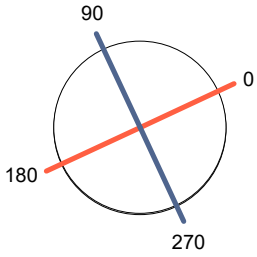




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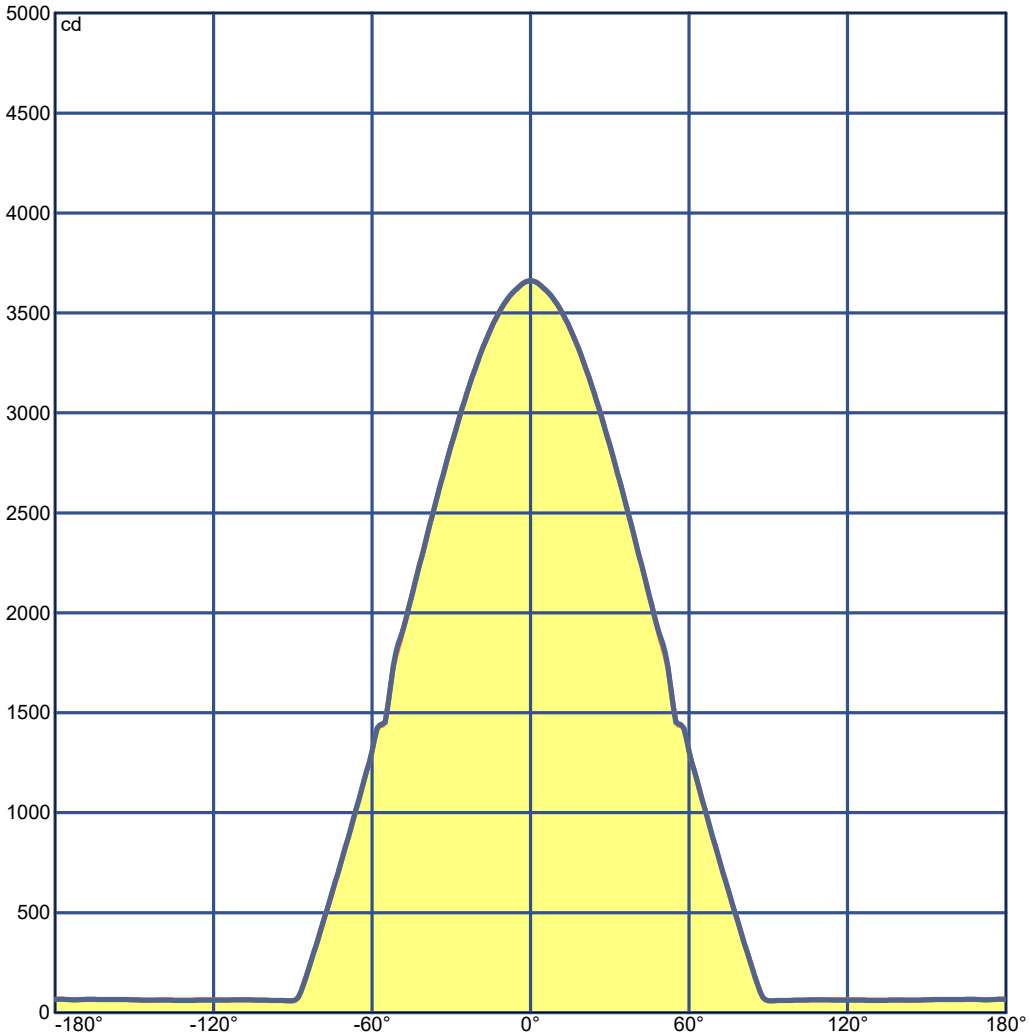
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Semiplanos C





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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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	14.3	15.6	14.7	15.9	16.2	14.3	15.6	14.7	15.8	16.2
x=2H y=3H	15.7	16.8	16.0	17.1	17.5	15.7	16.8	16.0	17.1	17.5
x=2H y=4H	16.2	17.2	16.6	17.6	18.0	16.2	17.2	16.6	17.6	18.0
x=2H y=6H	16.6	17.5	17.0	17.9	18.3	16.5	17.5	17.0	17.9	18.3
x=2H y=8H	16.7	17.6	17.1	18.0	18.4	16.7	17.6	17.1	18.0	18.4
x=2H y=12H	16.7	17.6	17.2	18.0	18.4	16.7	17.6	17.1	18.0	18.4
x=4H y=2H	14.9	15.9	15.3	16.3	16.7	14.9	15.9	15.3	16.3	16.7
x=4H y=3H	16.4	17.3	16.9	17.7	18.2	16.4	17.3	16.9	17.7	18.2
x=4H y=4H	17.1	17.9	17.6	18.3	18.8	17.1	17.9	17.5	18.3	18.8
x=4H y=6H	17.6	18.3	18.1	18.7	19.2	17.6	18.3	18.1	18.7	19.2
x=4H y=8H	17.7	18.4	18.2	18.8	19.3	17.7	18.4	18.2	18.8	19.3
x=4H y=12H	17.8	18.4	18.3	18.9	19.4	17.8	18.4	18.3	18.9	19.4
x=8H y=4H	17.3	18.0	17.8	18.5	19.0	17.3	18.0	17.8	18.4	18.9
x=8H y=6H	18.0	18.5	18.5	19.0	19.5	17.9	18.5	18.5	19.0	19.5
x=8H y=8H	18.2	18.6	18.7	19.1	19.7	18.2	18.6	18.7	19.1	19.7
x=8H y=12H	18.3	18.7	18.9	19.2	19.8	18.3	18.7	18.8	19.2	19.8
x=12H y=4H	17.7	18.3	18.2	18.8	19.3	17.7	18.3	18.2	18.8	19.3
x=12H y=6H	18.3	18.8	18.8	19.3	19.8	18.3	18.7	18.8	19.3	19.8
x=12H y=8H	18.5	18.9	19.1	19.4	20.0	18.5	18.9	19.1	19.4	20.0

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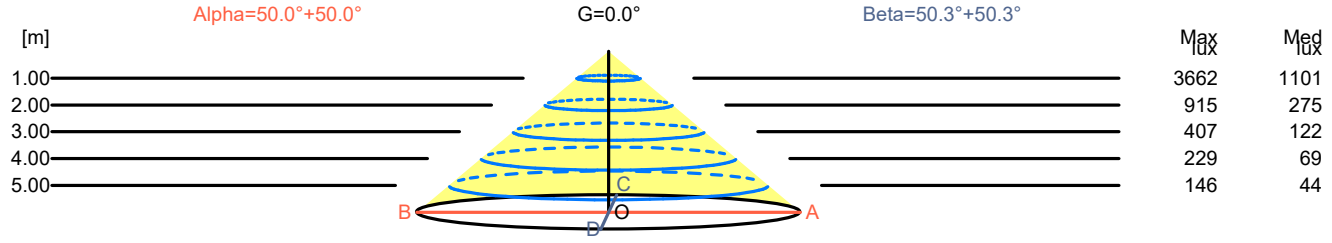
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Sources Flux	9633.46 lm	Maximum value	3661.73 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.19	2.38	3.57	4.76	5.95	OC	1.21	2.41	3.62	4.83	6.03
OB	1.19	2.38	3.57	4.76	5.95	OD	1.21	2.41	3.62	4.83	6.03

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	3661.73	3623.39	3420.37	3061.91	2595.49	2082.44	1459.46	1063.50	603.86	180.51
OB	3661.73	3623.39	3420.37	3061.91	2595.49	2082.44	1459.46	1063.50	603.86	180.51
OC	3661.73	3622.66	3420.68	3060.75	2597.32	2083.79	1450.62	1065.28	605.94	177.39
OD	3661.73	3622.66	3420.68	3060.75	2597.32	2083.79	1450.62	1065.28	605.94	177.39



H[m]	D[m]	Max lux	Med lux	Alpha=50.0°+50.0° G=0.0
1.00	2.38	3662	1101	
2.00	4.76	915	275	
3.00	7.15	407	122	
4.00	9.53	229	69	
5.00	11.91	146	44	

H[m]	D[m]	Max lux	Med lux	Beta=50.3°+50.3° G=0.0
1.00	2.41	3662	1101	
2.00	4.83	915	275	
3.00	7.24	407	122	
4.00	9.65	229	69	
5.00	12.06	146	44	

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Flujo Total=9633.46 Flujo Luminaria=9633.46

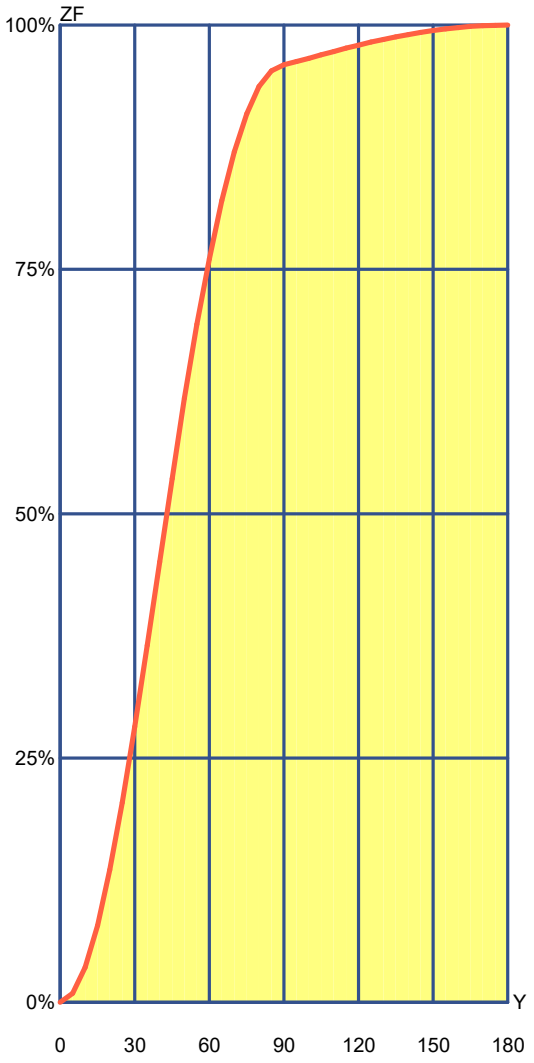
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.33	0.41	0.48	0.55	0.60	0.69	0.74	0.78	0.83	0.86	0.93	0.96
RC	5	5	5	5	5	5	5	5	5	5	4	4

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)	36	136	282	451	618	761	870	937	959	966	973	980	985	990	994	997	999	1000

Códigos de Flujo C.I.E.
49 79 95 96 100

C.I.E.	5/5/5/5/5/5/5/5/5/4/4	LOR	100.00000 %
D DIN 5040	A31	ULOR	4.07470 %
F UTE	0.96 E + 0.04 T	DLOR	95.92530 %
B NBN	BZ 4	UFF	4.07470 %
RN	4.07470 %	DFF	95.92530 %
BLF	1.0	FFR	4.24779 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.04	9.04	0.90 %	0.90 %
10°	26.62	35.67	2.66 %	3.57 %
15°	42.90	78.57	4.29 %	7.86 %
20°	57.15	135.72	5.72 %	13.57 %
25°	68.81	204.53	6.88 %	20.45 %
30°	77.52	282.05	7.75 %	28.20 %
35°	83.11	365.16	8.31 %	36.52 %
40°	85.61	450.77	8.56 %	45.08 %
45°	85.09	535.86	8.51 %	53.59 %
50°	82.18	618.03	8.22 %	61.80 %
55°	75.68	693.71	7.57 %	69.37 %
60°	66.90	760.61	6.69 %	76.06 %
65°	59.91	820.52	5.99 %	82.05 %
70°	49.87	870.39	4.99 %	87.04 %
75°	39.01	909.40	3.90 %	90.94 %
80°	27.60	937.00	2.76 %	93.70 %
85°	16.01	953.02	1.60 %	95.30 %
90°	6.24	959.25	0.62 %	95.93 %
95°	3.42	962.68	0.34 %	96.27 %
100°	3.43	966.10	0.34 %	96.61 %
105°	3.46	969.56	0.35 %	96.96 %
110°	3.43	972.98	0.34 %	97.30 %
115°	3.33	976.32	0.33 %	97.63 %
120°	3.18	979.50	0.32 %	97.95 %
125°	3.01	982.51	0.30 %	98.25 %
130°	2.80	985.31	0.28 %	98.53 %
135°	2.60	987.91	0.26 %	98.79 %
140°	2.38	990.29	0.24 %	99.03 %
145°	2.14	992.43	0.21 %	99.24 %
150°	1.91	994.35	0.19 %	99.43 %
155°	1.69	996.03	0.17 %	99.60 %
160°	1.41	997.45	0.14 %	99.74 %
165°	1.11	998.56	0.11 %	99.86 %
170°	0.80	999.36	0.08 %	99.94 %
175°	0.48	999.84	0.05 %	99.98 %
180°	0.16	1000.00	0.02 %	100.00 %

Luminaire
Code 32513xxx189
Name URBAN PF/120 LED WHITE RIBBON
Measurem.
Code CL092A22F023G
Name URBAN PF/120 LED WHITE RIBBON

Luminaire Flux	9633.46 lm	Luminaire Power	77.35 W	Efficacy	124.54 lm/W	Efficiency	100.00%
Sources Flux	9633.46 lm	Maximum value	3661.73 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

