

Luminaire

Code 90903L120

Name CONCEPT O 30 D1200 BOPTICS 840

Measurem.

Code 6/2/2024

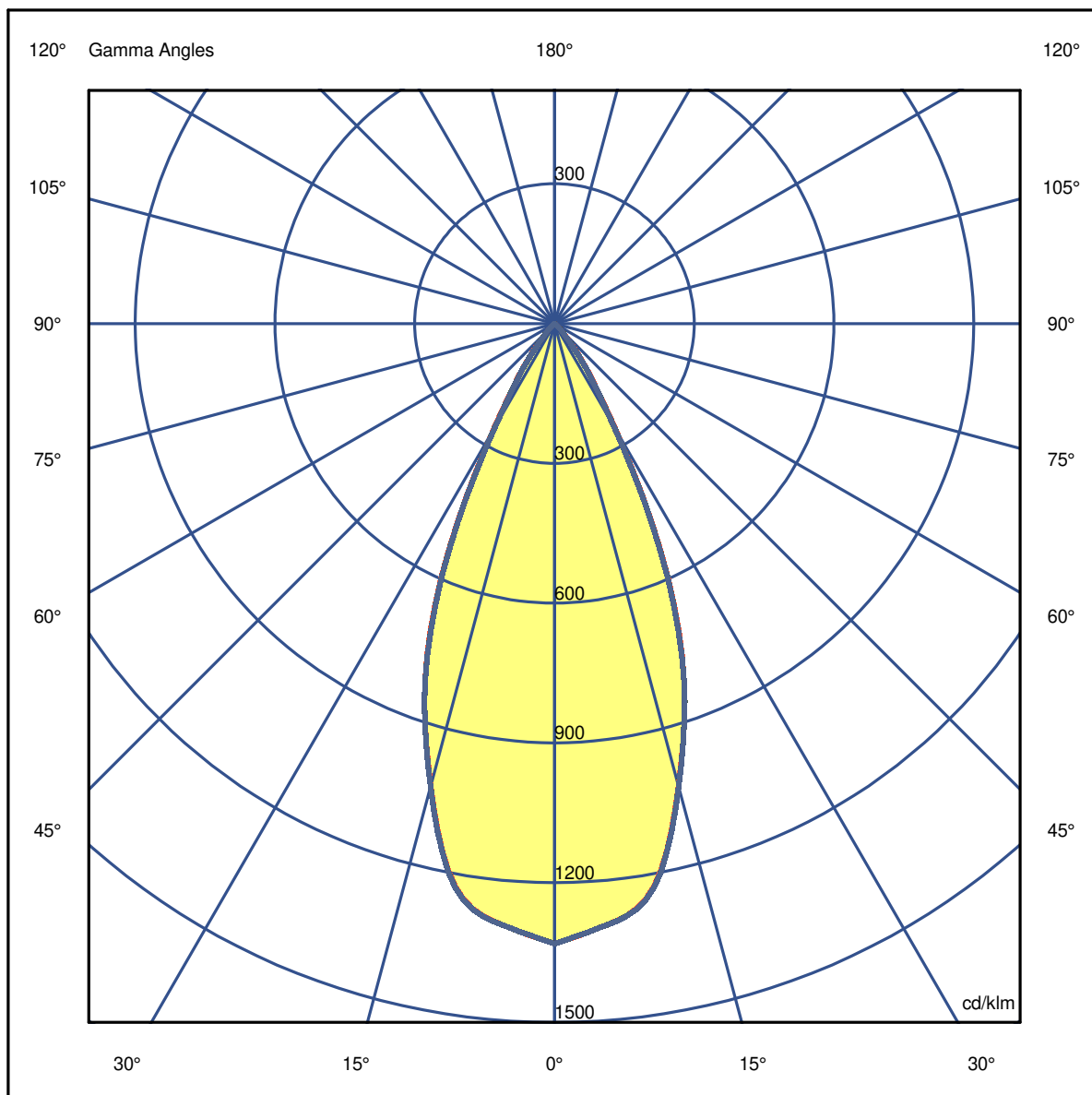
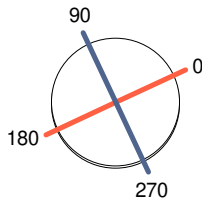
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Luminaire Flux	7462 lm	Luminaire Power	88.0 W	Efficacy	84.793 lm/W	Efficiency	75.07%
Source Flux	9940 lm	Maximum value	1330.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1210mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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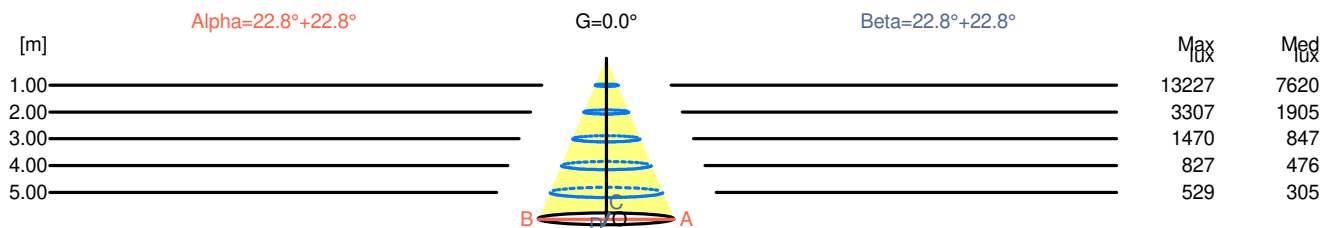
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Source Flux	9940 lm	Maximum value	1330.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.42	0.84	1.26	1.69	2.11	OC	0.42	0.84	1.26	1.68	2.10
OB	0.42	0.84	1.26	1.69	2.11	OD	0.42	0.84	1.26	1.68	2.10

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	13227.16	12873.29	10211.36	5366.61	1237.53	197.81	6.96	1.99	0.99	1.99
OB	13227.16	12873.29	10211.36	5366.61	1237.53	197.81	6.96	1.99	0.99	1.99
OC	13227.16	12874.29	10226.27	5326.85	1203.73	191.84	6.96	1.99	0.99	1.99
OD	13227.16	12874.29	10226.27	5326.85	1203.73	191.84	6.96	1.99	0.99	1.99



H[m]	D[m]	Max lux	Med lux	Alpha=22.8°+22.8°	G=0.0	
1.00	0.84	13227	7620			
2.00	1.69	3307	1905			
3.00	2.53	1470	847			
4.00	3.37	827	476			
5.00	4.21	529	305			

H[m]	D[m]	Max lux	Med lux	Beta=22.8°+22.8°	G=0.0	
1.00	0.84	13227	7620			
2.00	1.68	3307	1905			
3.00	2.52	1470	847			
4.00	3.36	827	476			
5.00	4.20	529	305			

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Source Flux	9940 lm	Maximum value	1330.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	1.8	2.4	2.0	2.6	2.8	1.7	2.4	1.9	2.5	2.7
x=2H y=3H	1.6	2.2	1.9	2.5	2.7	1.6	2.2	1.9	2.4	2.6
x=2H y=4H	1.6	2.1	1.9	2.4	2.6	1.5	2.1	1.8	2.3	2.6
x=2H y=6H	1.5	2.0	1.8	2.3	2.6	1.4	1.9	1.8	2.2	2.5
x=2H y=8H	1.5	2.0	1.8	2.2	2.5	1.4	1.9	1.7	2.2	2.5
x=2H y=12H	1.4	1.9	1.8	2.2	2.5	1.4	1.8	1.7	2.1	2.4
x=4H y=2H	1.6	2.1	1.9	2.4	2.6	1.5	2.1	1.8	2.3	2.6
x=4H y=3H	1.4	1.9	1.8	2.2	2.5	1.4	1.8	1.7	2.1	2.4
x=4H y=4H	1.4	1.8	1.7	2.1	2.4	1.3	1.7	1.7	2.0	2.4
x=4H y=6H	1.3	1.6	1.7	2.0	2.4	1.2	1.5	1.6	1.9	2.3
x=4H y=8H	1.3	1.5	1.7	1.9	2.3	1.2	1.5	1.6	1.8	2.2
x=4H y=12H	1.2	1.5	1.7	1.9	2.3	1.1	1.4	1.6	1.8	2.2
x=8H y=4H	1.2	1.5	1.7	1.9	2.3	1.2	1.5	1.6	1.8	2.2
x=8H y=6H	1.2	1.4	1.6	1.8	2.3	1.1	1.3	1.5	1.7	2.2
x=8H y=8H	1.1	1.3	1.6	1.7	2.2	1.0	1.2	1.5	1.7	2.1
x=8H y=12H	1.1	1.2	1.6	1.7	2.2	1.0	1.1	1.5	1.6	2.1
x=12H y=4H	1.2	1.5	1.7	1.9	2.3	1.1	1.4	1.6	1.8	2.2
x=12H y=6H	1.1	1.3	1.6	1.7	2.2	1.0	1.2	1.5	1.7	2.1
x=12H y=8H	1.1	1.2	1.6	1.7	2.2	1.0	1.1	1.5	1.6	2.1

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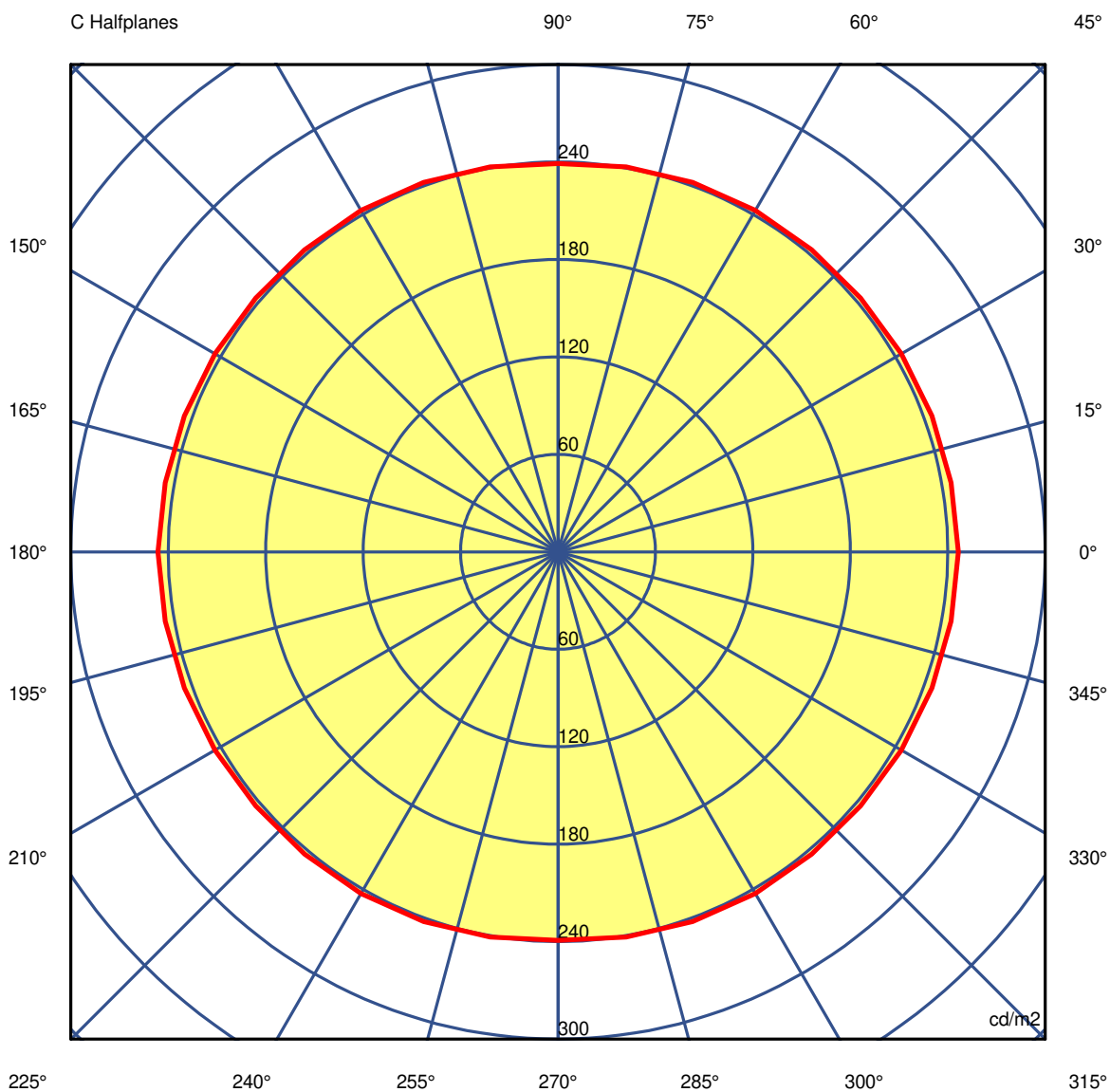
Measurem.

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Luminaire Flux	7462 lm	Luminaire Power	88.0 W	Efficacy	84.793 lm/W	Efficiency	75.07%
Source Flux	9940 lm	Maximum value	1330.70 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Luminaire Flux	7462 lm		Luminaire Power		88.0 W		Efficacy		84.793 lm/W		Efficiency		75.07%	
Source Flux	9940 lm		Maximum value		1330.70 cd/klm		Position		C=0.00 G=0.00		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	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	
G 5.0	11388	11387	11384	11379	11380	11379	11377	11382	11387	11389	11387	11382	11377	
G 10.0	10916	10915	10911	10907	10914	10921	10925	10931	10933	10929	10933	10931	10925	
G 15.0	9316	9314	9306	9299	9313	9313	9302	9318	9329	9330	9329	9318	9302	
G 20.0	7569	7567	7569	7573	7573	7572	7572	7567	7565	7565	7565	7567	7572	
G 25.0	5218	5202	5197	5196	5181	5191	5209	5180	5162	5180	5162	5180	5209	
G 30.0	2610	2595	2591	2591	2576	2570	2577	2575	2569	2565	2569	2575	2577	
G 35.0	1331	1327	1322	1316	1313	1309	1306	1305	1301	1295	1301	1305	1306	
G 40.0	524	517	512	510	510	508	504	505	504	499	504	505	504	
G 45.0	247	246	245	244	243	243	243	242	241	239	241	242	243	
G 50.0	56	54	53	53	51	51	52	52	51	50	51	52	52	
G 55.0	11	11	11	11	11	11	11	11	11	11	11	11	11	
G 60.0	7	7	7	7	7	7	7	7	7	7	7	7	7	
G 65.0	4	4	4	4	4	4	4	4	4	4	4	4	4	
G 70.0	3	3	3	5	6	4	3	4	5	5	5	4	3	
G 75.0	3	3	3	3	3	4	7	7	6	3	6	7	7	
G 80.0	10	6	5	5	5	5	5	5	6	10	6	5	5	
G 85.0	20	20	20	20	20	20	20	20	20	20	20	20	20	
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Source Flux	9940 lm		Maximum value		1330.70 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
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	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656	
G 5.0	11379	11380	11379	11384	11387	11388	11387	11384	11379	11380	11379	11377	11382	
G 10.0	10921	10914	10907	10911	10915	10916	10915	10911	10907	10914	10921	10925	10931	
G 15.0	9313	9313	9299	9306	9314	9316	9314	9306	9299	9313	9313	9302	9318	
G 20.0	7572	7573	7573	7569	7567	7569	7567	7569	7573	7573	7572	7572	7567	
G 25.0	5191	5181	5196	5197	5202	5218	5202	5197	5196	5181	5191	5209	5180	
G 30.0	2570	2576	2591	2591	2595	2610	2595	2591	2591	2576	2570	2577	2575	
G 35.0	1309	1313	1316	1322	1327	1331	1327	1322	1316	1313	1309	1306	1305	
G 40.0	508	510	510	512	517	524	517	512	510	510	508	504	505	
G 45.0	243	243	244	245	246	247	246	245	244	243	243	243	242	
G 50.0	51	51	53	53	54	56	54	53	53	51	51	52	52	
G 55.0	11	11	11	11	11	11	11	11	11	11	11	11	11	
G 60.0	7	7	7	7	7	7	7	7	7	7	7	7	7	
G 65.0	4	4	4	4	4	4	4	4	4	4	4	4	4	
G 70.0	4	6	5	3	3	3	3	3	5	6	4	3	4	
G 75.0	4	3	3	3	3	3	3	3	3	3	4	7	7	
G 80.0	5	5	5	5	6	10	6	5	5	5	5	5	5	
G 85.0	20	20	20	20	20	20	20	20	20	20	20	20	20	
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Source Flux	9940 lm	Maximum value	1330.70 cd/klm	Position	C=0.00 G=0.00	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	11656	11656	11656	11656	11656	11656	11656	11656	11656	11656
G 5.0	11387	11389	11387	11382	11377	11379	11380	11379	11384	11387
G 10.0	10933	10929	10933	10931	10925	10921	10914	10907	10911	10915
G 15.0	9329	9330	9329	9318	9302	9313	9313	9299	9306	9314
G 20.0	7565	7565	7565	7567	7572	7572	7573	7573	7569	7567
G 25.0	5162	5180	5162	5180	5209	5191	5181	5196	5197	5202
G 30.0	2569	2565	2569	2575	2577	2570	2576	2591	2591	2595
G 35.0	1301	1295	1301	1305	1306	1309	1313	1316	1322	1327
G 40.0	504	499	504	505	504	508	510	510	512	517
G 45.0	241	239	241	242	243	243	243	244	245	246
G 50.0	51	50	51	52	52	51	51	53	53	54
G 55.0	11	11	11	11	11	11	11	11	11	11
G 60.0	7	7	7	7	7	7	7	7	7	7
G 65.0	4	4	4	4	4	4	4	4	4	4
G 70.0	5	5	5	4	3	4	6	5	3	3
G 75.0	6	3	6	7	7	4	3	3	3	3
G 80.0	6	10	6	5	5	5	5	5	5	6
G 85.0	20	20	20	20	20	20	20	20	20	20
G 90.0	0	0	0	0	0	0	0	0	0	0