

Luminaire

Code 90620L300

Name ROFY 85 D0300 GCONTROL+ 840 HO

Measurem.

Code 4/8/2023

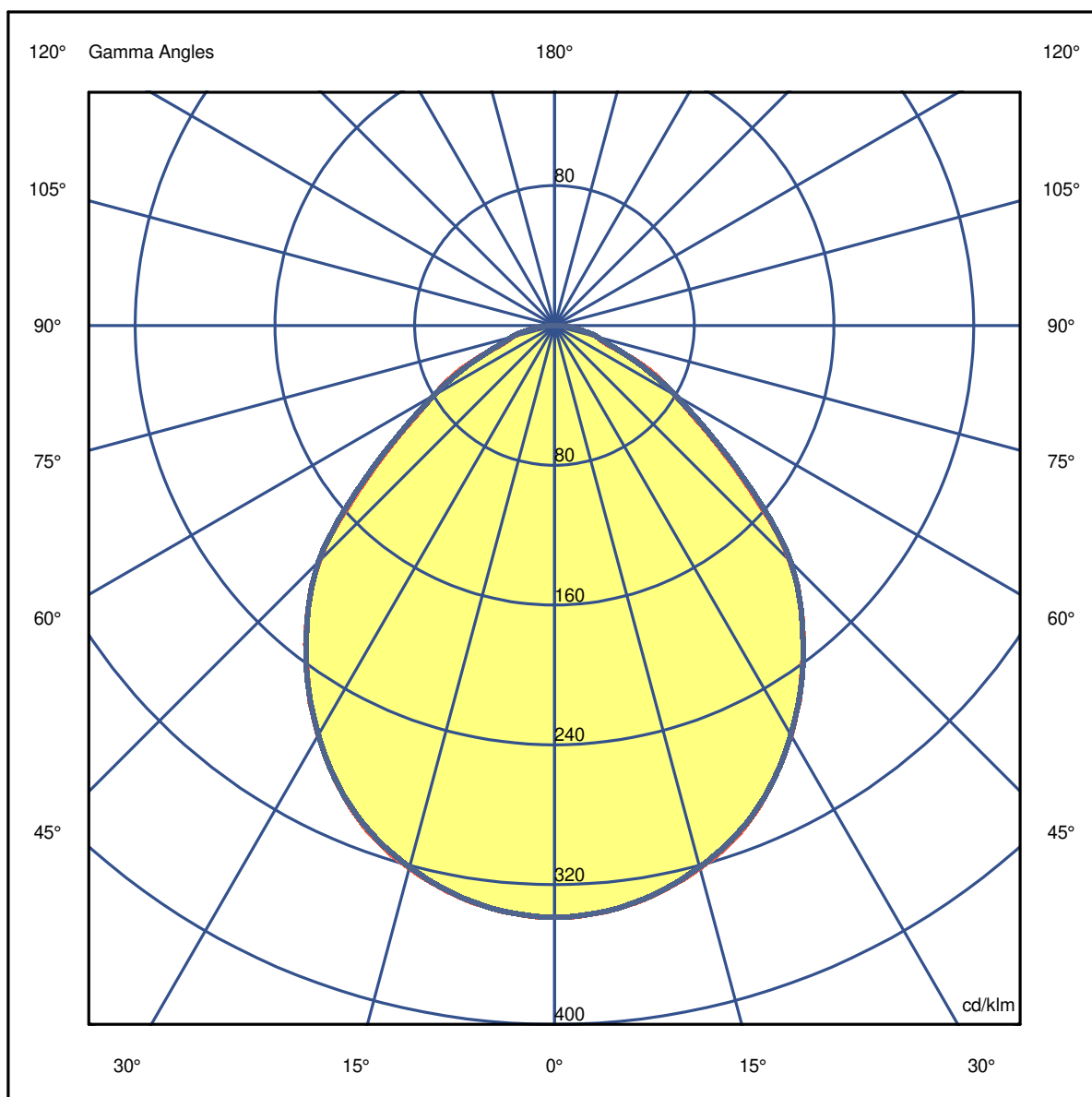
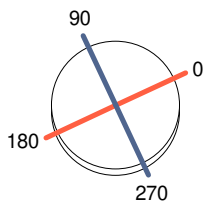
Name ROFY 85 D0300 GCONTROL+ 840 HO

Luminaire Flux	1991 lm	Luminaire Power	15.8 W	Efficacy	126.145 lm/W	Efficiency	73.67%
Source Flux	2702 lm	Maximum value	338.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=300mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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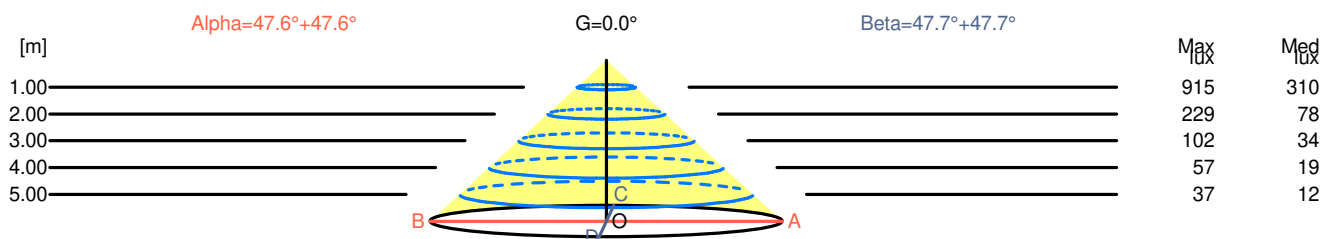
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Width at 50.00 % of Max Intensity

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	1.09	2.19	3.28	4.38	5.47	OC	1.10	2.20	3.30	4.40	5.50
OB	1.09	2.19	3.28	4.38	5.47	OD	1.10	2.20	3.30	4.40	5.50

	0	5	15	25	35	45	55	65	75	85
OA	914.90	909.49	868.15	788.17	666.31	515.27	290.19	158.34	68.36	19.45
OB	914.90	909.49	868.15	788.17	666.31	515.27	290.19	158.34	68.36	19.45
OC	914.90	909.22	867.07	787.63	666.85	516.62	294.52	150.77	68.90	19.18
OD	914.90	909.22	867.07	787.63	666.85	516.62	294.52	150.77	68.90	19.18



H[m]	D[m]	Max lux	Med lux	Alpha=47.6°+47.6°	G=0.0	
1.00	2.19	915	310			
2.00	4.38	229	78			
3.00	6.57	102	34			
4.00	8.76	57	19			
5.00	10.95	37	12			

H[m]	D[m]	Max lux	Med lux	Beta=47.7°+47.7°	G=0.0	
1.00	2.20	915	310			
2.00	4.40	229	78			
3.00	6.60	102	34			
4.00	8.80	57	19			
5.00	10.99	37	12			

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Source Flux	2702 lm	Maximum value	338.60 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	Lateral View					Viewed Endwise				
x=2H y=2H	18.1	19.3	18.4	19.5	19.7	18.1	19.3	18.4	19.5	19.7
x=2H y=3H	18.7	19.7	19.0	20.0	20.2	18.6	19.7	19.0	20.0	20.2
x=2H y=4H	18.8	19.8	19.2	20.1	20.4	18.8	19.8	19.1	20.1	20.3
x=2H y=6H	19.0	19.8	19.3	20.1	20.4	18.9	19.8	19.3	20.1	20.4
x=2H y=8H	19.0	19.8	19.3	20.1	20.5	19.0	19.8	19.3	20.1	20.5
x=2H y=12H	19.0	19.8	19.3	20.1	20.5	18.9	19.8	19.3	20.1	20.4
x=4H y=2H	18.2	19.2	18.6	19.5	19.8	18.3	19.2	18.6	19.5	19.8
x=4H y=3H	18.9	19.8	19.3	20.1	20.4	18.9	19.8	19.3	20.1	20.4
x=4H y=4H	19.2	19.9	19.6	20.3	20.6	19.2	19.9	19.6	20.3	20.6
x=4H y=6H	19.4	20.0	19.8	20.4	20.8	19.4	20.0	19.8	20.4	20.8
x=4H y=8H	19.5	20.0	19.9	20.4	20.8	19.4	20.0	19.9	20.4	20.8
x=4H y=12H	19.5	20.0	19.9	20.4	20.9	19.5	20.0	19.9	20.4	20.8
x=8H y=4H	19.3	19.8	19.7	20.2	20.6	19.2	19.8	19.7	20.2	20.6
x=8H y=6H	19.5	20.0	20.0	20.4	20.9	19.5	20.0	20.0	20.4	20.9
x=8H y=8H	19.6	20.1	20.1	20.5	21.0	19.6	20.1	20.1	20.5	21.0
x=8H y=12H	19.7	20.1	20.2	20.5	21.0	19.7	20.0	20.2	20.5	21.0
x=12H y=4H	19.2	19.8	19.7	20.2	20.6	19.2	19.8	19.7	20.2	20.6
x=12H y=6H	19.5	20.0	20.0	20.4	20.9	19.5	20.0	20.0	20.4	20.9
x=12H y=8H	19.7	20.0	20.2	20.5	21.0	19.7	20.0	20.2	20.5	21.0

Luminaire

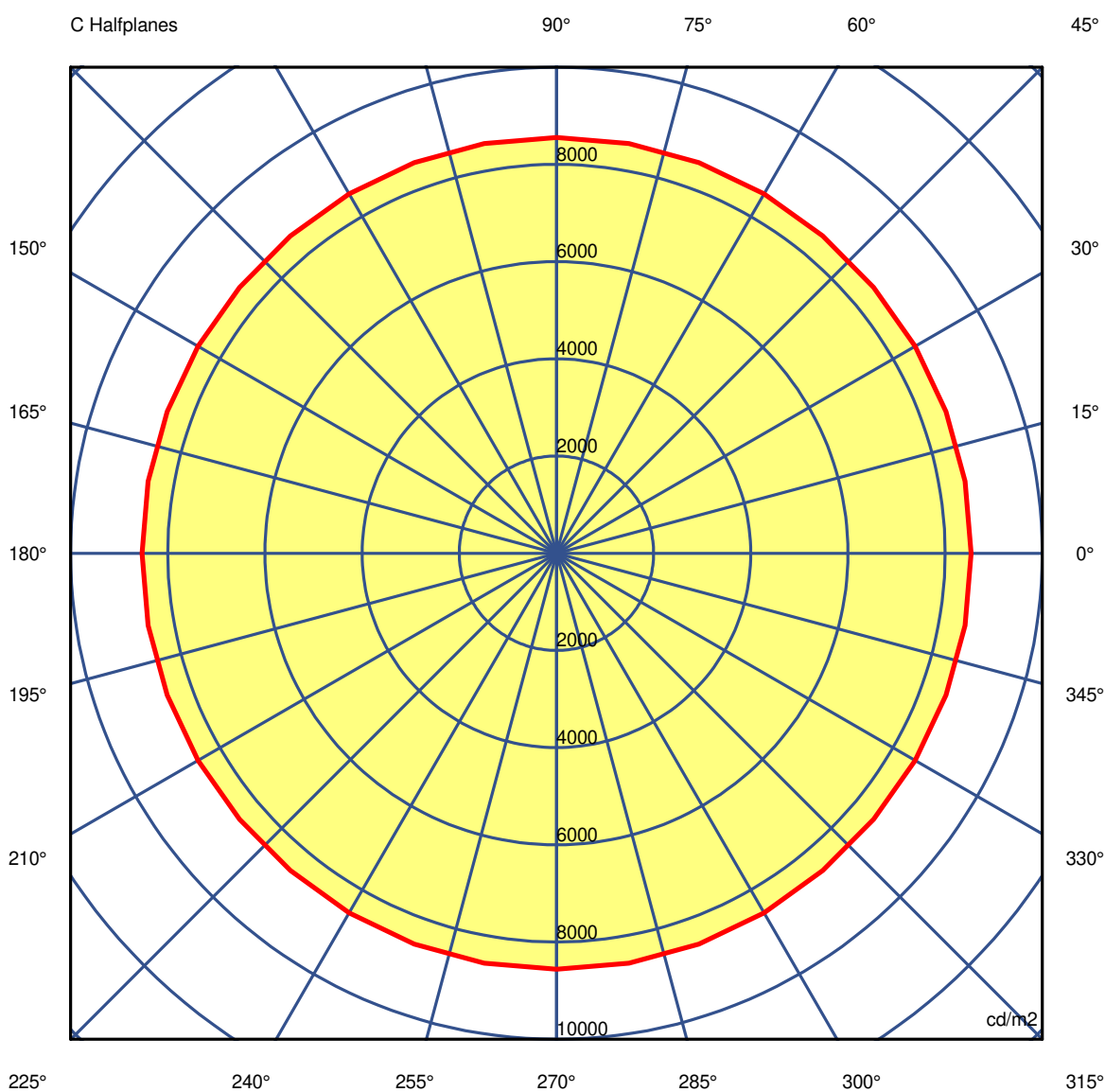
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Luminaire Flux	1991 lm	Luminaire Power	15.8 W	Efficacy	126.145 lm/W	Efficiency	73.67%
Source Flux	2702 lm	Maximum value	338.60 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

Luminaire

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Luminaire Flux	1991 lm		Luminaire Power		15.8 W		Efficacy		126.145 lm/W		Efficiency		73.67%	
Source Flux	2702 lm		Maximum value		338.60 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	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	
G 5.0	14342	14334	14335	14342	14343	14341	14338	14334	14334	14338	14334	14334	14338	
G 10.0	13791	13788	13785	13783	13780	13777	13774	13773	13776	13783	13776	13773	13774	
G 15.0	13227	13222	13213	13202	13196	13192	13190	13194	13202	13210	13202	13194	13190	
G 20.0	12654	12633	12607	12580	12564	12558	12564	12588	12609	12617	12609	12588	12564	
G 25.0	11967	11953	11940	11930	11921	11915	11917	11930	11945	11958	11945	11930	11917	
G 30.0	11214	11203	11204	11222	11249	11252	11230	11211	11206	11206	11206	11211	11230	
G 35.0	10396	10401	10423	10460	10487	10494	10472	10427	10408	10405	10408	10427	10472	
G 40.0	9538	9545	9559	9581	9606	9608	9589	9572	9553	9529	9553	9572	9589	
G 45.0	8535	8535	8532	8522	8516	8523	8540	8557	8563	8558	8563	8557	8540	
G 50.0	6842	6982	7061	6964	6662	6655	6955	7072	7031	6936	7031	7072	6955	
G 55.0	5294	5690	5508	4836	4328	4289	4762	5498	5746	5373	5746	5498	4762	
G 60.0	4174	4163	3857	3244	3324	3363	3359	3898	4167	4185	4167	3898	3359	
G 65.0	3327	3244	2955	2532	2716	2757	2595	2911	3123	3168	3123	2911	2595	
G 70.0	2122	2320	2369	2234	2031	2014	2184	2300	2299	2215	2299	2300	2184	
G 75.0	1756	1817	1729	1590	1624	1626	1590	1718	1808	1770	1808	1718	1590	
G 80.0	1211	1275	1335	1362	1332	1330	1362	1352	1298	1219	1298	1352	1362	
G 85.0	669	757	837	855	768	765	846	820	740	660	740	820	846	
G 90.0	91	91	91	91	91	91	91	91	91	91	91	91	91	

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Source Flux		2702 lm		Maximum value		338.60 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	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858
G 5.0	14341	14343	14342	14335	14334	14342	14334	14335	14342	14343	14342	14343	14341	14338	14334	14334
G 10.0	13777	13780	13783	13785	13788	13791	13788	13785	13783	13780	13780	13777	13774	13774	13773	13773
G 15.0	13192	13196	13202	13213	13222	13227	13222	13213	13202	13196	13196	13192	13190	13190	13194	13194
G 20.0	12558	12564	12580	12607	12633	12654	12633	12607	12580	12564	12564	12558	12564	12588	12588	12588
G 25.0	11915	11921	11930	11940	11953	11967	11953	11940	11930	11921	11921	11915	11917	11930	11930	11930
G 30.0	11252	11249	11222	11204	11203	11214	11203	11204	11222	11249	11249	11252	11230	11211	11211	11211
G 35.0	10494	10487	10460	10423	10401	10396	10401	10423	10460	10487	10494	10472	10472	10427	10427	10427
G 40.0	9608	9606	9581	9559	9545	9538	9545	9559	9581	9606	9608	9589	9572	9572	9572	9572
G 45.0	8523	8516	8522	8532	8535	8535	8535	8532	8522	8516	8523	8540	8557	8557	8557	8557
G 50.0	6655	6662	6964	7061	6982	6842	6982	7061	6964	6662	6655	6955	7072	7072	7072	7072
G 55.0	4289	4328	4836	5508	5690	5294	5690	5508	4836	4328	4289	4762	5498	5498	5498	5498
G 60.0	3363	3324	3244	3857	4163	4174	4163	3857	3244	3324	3363	3359	3898	3898	3898	3898
G 65.0	2757	2716	2532	2955	3244	3327	3244	2955	2532	2716	2757	2595	2911	2911	2911	2911
G 70.0	2014	2031	2234	2369	2320	2122	2320	2369	2234	2031	2014	2184	2300	2300	2300	2300
G 75.0	1626	1624	1590	1729	1817	1756	1817	1729	1590	1624	1626	1590	1718	1718	1718	1718
G 80.0	1330	1332	1362	1335	1275	1211	1275	1335	1362	1332	1330	1362	1352	1352	1352	1352
G 85.0	765	768	855	837	757	669	757	837	855	768	765	846	820	820	820	820
G 90.0	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91

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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	14858	14858	14858	14858	14858	14858	14858	14858	14858	14858
G 5.0	14334	14338	14334	14334	14338	14341	14343	14342	14335	14334
G 10.0	13776	13783	13776	13773	13774	13777	13780	13783	13785	13788
G 15.0	13202	13210	13202	13194	13190	13192	13196	13202	13213	13222
G 20.0	12609	12617	12609	12588	12564	12558	12564	12580	12607	12633
G 25.0	11945	11958	11945	11930	11917	11915	11921	11930	11940	11953
G 30.0	11206	11206	11206	11211	11230	11252	11249	11222	11204	11203
G 35.0	10408	10405	10408	10427	10472	10494	10487	10460	10423	10401
G 40.0	9553	9529	9553	9572	9589	9608	9606	9581	9559	9545
G 45.0	8563	8558	8563	8557	8540	8523	8516	8522	8532	8535
G 50.0	7031	6936	7031	7072	6955	6655	6662	6964	7061	6982
G 55.0	5746	5373	5746	5498	4762	4289	4328	4836	5508	5690
G 60.0	4167	4185	4167	3898	3359	3363	3324	3244	3857	4163
G 65.0	3123	3168	3123	2911	2595	2757	2716	2532	2955	3244
G 70.0	2299	2215	2299	2300	2184	2014	2031	2234	2369	2320
G 75.0	1808	1770	1808	1718	1590	1626	1624	1590	1729	1817
G 80.0	1298	1219	1298	1352	1362	1330	1332	1362	1335	1275
G 85.0	740	660	740	820	846	765	768	855	837	757
G 90.0	91	91	91	91	91	91	91	91	91	91