

Luminaire

Code 90629L400

Name ROFY 85 D0400 GCONTROL+ 840 LO

Measurem.

Code 4/8/2023

Name ROFY 85 D0400 GCONTROL+ 840 LO

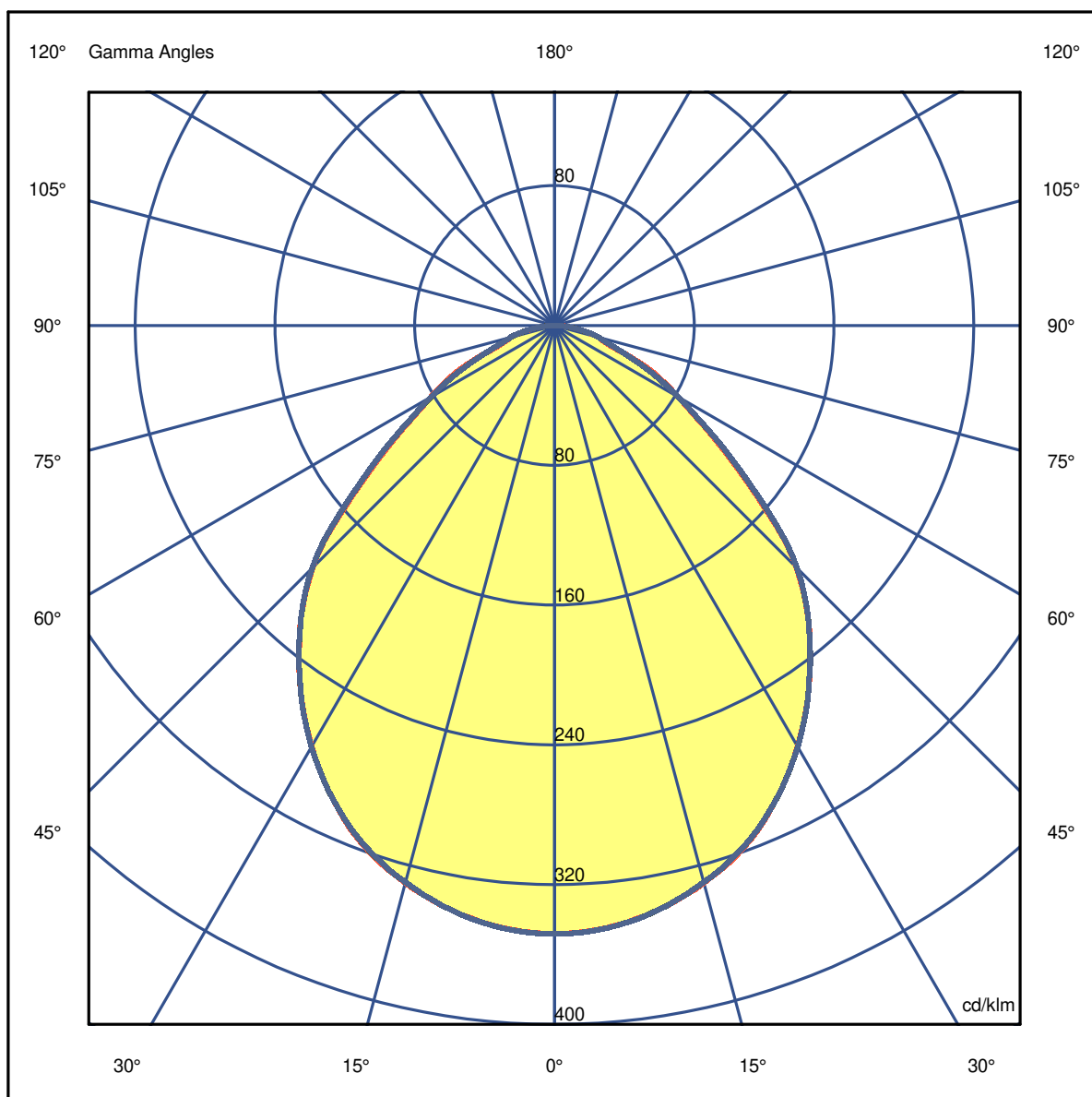
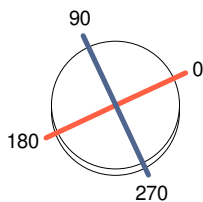
Luminaire Flux	2233 lm	Luminaire Power	16.5 W	Efficacy	135.586 lm/W	Efficiency	75.70%
Source Flux	2950 lm	Maximum value	348.10 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=400mm

C Halfplanes

180.0 ——— 0.0

270.0 ——— 90.0



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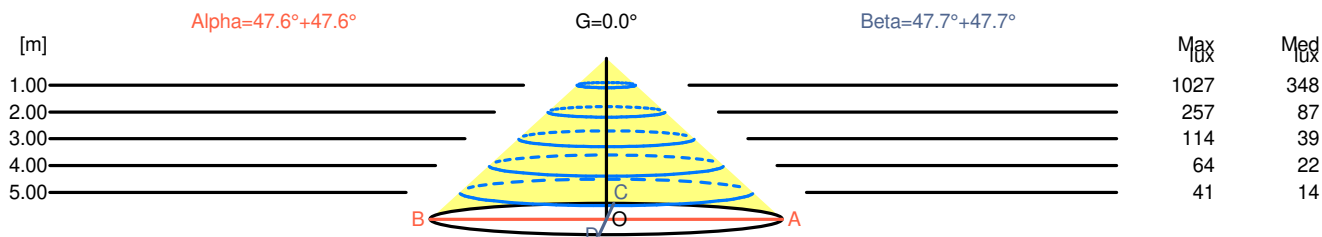
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Source Flux	2950 lm	Maximum value	348.10 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	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	1026.90	1020.40	974.09	884.12	748.12	578.20	325.38	177.59	77.00	21.83
OB	1026.90	1020.40	974.09	884.12	748.12	578.20	325.38	177.59	77.00	21.83
OC	1026.90	1021.00	972.91	883.82	748.12	579.09	331.29	169.62	77.59	21.83
OD	1026.90	1021.00	972.91	883.82	748.12	579.09	331.29	169.62	77.59	21.83



H[m]	D[m]	Max lux	Med lux	Alpha=47.6°+47.6°	G=0.0	
1.00	2.19	1027	348			
2.00	4.38	257	87			
3.00	6.57	114	39			
4.00	8.76	64	22			
5.00	10.95	41	14			

H[m]	D[m]	Max lux	Med lux	Beta=47.7°+47.7°	G=0.0	
1.00	2.20	1027	348			
2.00	4.40	257	87			
3.00	6.60	114	39			
4.00	8.79	64	22			
5.00	10.99	41	14			

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Luminaire Flux	2233 lm	Luminaire Power	16.5 W	Efficacy	135.586 lm/W	Efficiency	75.70%
Source Flux	2950 lm	Maximum value	348.10 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	16.7	17.9	17.0	18.1	18.3	16.7	17.9	17.0	18.1	18.3
x=2H y=3H	17.3	18.3	17.6	18.6	18.8	17.3	18.3	17.6	18.6	18.8
x=2H y=4H	17.5	18.4	17.8	18.7	19.0	17.4	18.4	17.8	18.7	19.0
x=2H y=6H	17.6	18.5	18.0	18.8	19.1	17.6	18.5	17.9	18.8	19.1
x=2H y=8H	17.6	18.5	18.0	18.8	19.1	17.6	18.5	18.0	18.8	19.1
x=2H y=12H	17.6	18.4	18.0	18.8	19.1	17.6	18.4	18.0	18.8	19.1
x=4H y=2H	16.8	17.8	17.2	18.1	18.4	16.9	17.8	17.2	18.1	18.4
x=4H y=3H	17.6	18.4	17.9	18.7	19.1	17.6	18.4	17.9	18.7	19.0
x=4H y=4H	17.9	18.6	18.2	18.9	19.3	17.8	18.6	18.2	18.9	19.3
x=4H y=6H	18.1	18.7	18.5	19.1	19.5	18.1	18.7	18.5	19.1	19.5
x=4H y=8H	18.1	18.7	18.6	19.1	19.5	18.1	18.7	18.6	19.1	19.5
x=4H y=12H	18.2	18.7	18.6	19.1	19.5	18.2	18.7	18.6	19.1	19.5
x=8H y=4H	17.9	18.5	18.3	18.9	19.3	17.9	18.5	18.3	18.9	19.3
x=8H y=6H	18.2	18.7	18.7	19.1	19.6	18.2	18.7	18.7	19.1	19.6
x=8H y=8H	18.4	18.8	18.8	19.2	19.7	18.4	18.8	18.8	19.2	19.7
x=8H y=12H	18.4	18.8	18.9	19.2	19.7	18.4	18.8	18.9	19.2	19.7
x=12H y=4H	17.9	18.4	18.4	18.8	19.3	17.9	18.4	18.3	18.8	19.2
x=12H y=6H	18.3	18.7	18.7	19.1	19.6	18.3	18.7	18.7	19.1	19.6
x=12H y=8H	18.4	18.7	18.9	19.2	19.7	18.4	18.7	18.9	19.2	19.7

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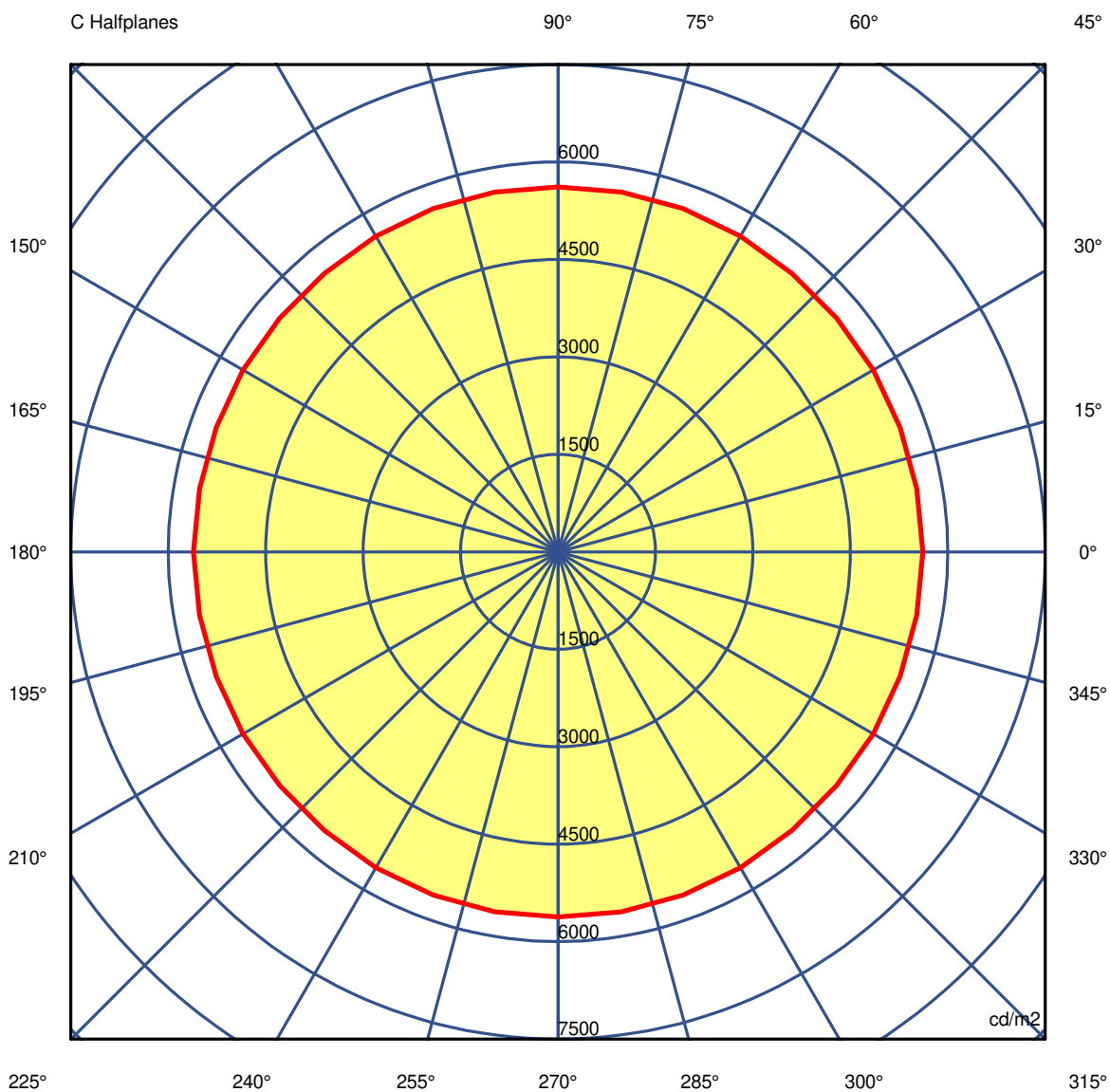
Measurem.

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Luminaire Flux	2233 lm	Luminaire Power	16.5 W	Efficacy	135.586 lm/W	Efficiency	75.70%
Source Flux	2950 lm	Maximum value	348.10 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

Luminaire

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Luminaire Flux	2233 lm		Luminaire Power		16.5 W		Efficacy		135.586 lm/W		Efficiency		75.70%	
Source Flux	2950 lm		Maximum value		348.10 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	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	
G 5.0	8812	8810	8810	8810	8810	8810	8810	8807	8809	8817	8809	8807	8810	
G 10.0	8541	8543	8543	8541	8539	8538	8538	8536	8537	8543	8537	8536	8538	
G 15.0	8262	8259	8253	8247	8242	8241	8241	8243	8246	8252	8246	8243	8241	
G 20.0	7963	7953	7936	7918	7910	7907	7911	7925	7940	7951	7940	7925	7911	
G 25.0	7593	7588	7577	7565	7564	7562	7563	7568	7578	7591	7578	7568	7563	
G 30.0	7178	7172	7173	7184	7198	7201	7189	7170	7167	7184	7167	7170	7189	
G 35.0	6714	6717	6727	6748	6769	6775	6759	6731	6717	6714	6717	6731	6759	
G 40.0	6216	6218	6225	6238	6251	6254	6246	6233	6221	6213	6221	6233	6246	
G 45.0	5612	5605	5603	5603	5596	5598	5612	5623	5626	5620	5626	5623	5612	
G 50.0	4553	4634	4681	4619	4430	4432	4629	4703	4673	4607	4673	4703	4629	
G 55.0	3556	3819	3703	3256	2906	2880	3208	3698	3862	3620	3862	3698	3208	
G 60.0	2850	2840	2628	2205	2261	2287	2282	2653	2838	2850	2838	2653	2282	
G 65.0	2300	2242	2040	1746	1878	1908	1792	2009	2159	2197	2159	2009	1792	
G 70.0	1489	1635	1672	1574	1428	1417	1540	1624	1623	1562	1623	1624	1540	
G 75.0	1272	1311	1246	1145	1173	1174	1145	1237	1305	1281	1305	1237	1145	
G 80.0	899	951	993	1008	986	987	1014	1004	961	905	961	1004	1014	
G 85.0	519	591	651	659	592	594	659	641	579	519	579	641	659	
G 90.0	73	73	73	73	73	73	73	73	73	73	73	73	73	

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Source Flux	2950 lm		Maximum value		348.10 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	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055	
G 5.0	8810	8810	8810	8810	8810	8812	8810	8810	8810	8810	8810	8810	8807	
G 10.0	8538	8539	8541	8543	8543	8541	8543	8543	8541	8539	8538	8538	8536	
G 15.0	8241	8242	8247	8253	8259	8262	8259	8253	8247	8242	8241	8241	8243	
G 20.0	7907	7910	7918	7936	7953	7963	7953	7936	7918	7910	7907	7911	7925	
G 25.0	7562	7564	7565	7577	7588	7593	7588	7577	7565	7564	7562	7563	7568	
G 30.0	7201	7198	7184	7173	7172	7178	7172	7173	7184	7198	7201	7189	7170	
G 35.0	6775	6769	6748	6727	6717	6714	6717	6727	6748	6769	6775	6759	6731	
G 40.0	6254	6251	6238	6225	6218	6216	6218	6225	6238	6251	6254	6246	6233	
G 45.0	5598	5596	5603	5603	5605	5612	5605	5603	5603	5596	5598	5612	5623	
G 50.0	4432	4430	4619	4681	4634	4553	4634	4681	4619	4430	4432	4629	4703	
G 55.0	2880	2906	3256	3703	3819	3556	3819	3703	3256	2906	2880	3208	3698	
G 60.0	2287	2261	2205	2628	2840	2850	2840	2628	2205	2261	2287	2282	2653	
G 65.0	1908	1878	1746	2040	2242	2300	2242	2040	1746	1878	1908	1792	2009	
G 70.0	1417	1428	1574	1672	1635	1489	1635	1672	1574	1428	1417	1540	1624	
G 75.0	1174	1173	1145	1246	1311	1272	1311	1246	1145	1173	1174	1145	1237	
G 80.0	987	986	1008	993	951	899	951	993	1008	986	987	1014	1004	
G 85.0	594	592	659	651	591	519	591	651	659	592	594	659	641	
G 90.0	73	73	73	73	73	73	73	73	73	73	73	73	73	

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Source Flux	2950 lm	Maximum value	348.10 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	9055	9055	9055	9055	9055	9055	9055	9055	9055	9055
G 5.0	8809	8817	8809	8807	8810	8810	8810	8810	8810	8810
G 10.0	8537	8543	8537	8536	8538	8538	8539	8541	8543	8543
G 15.0	8246	8252	8246	8243	8241	8241	8242	8247	8253	8259
G 20.0	7940	7951	7940	7925	7911	7907	7910	7918	7936	7953
G 25.0	7578	7591	7578	7568	7563	7562	7564	7565	7577	7588
G 30.0	7167	7184	7167	7170	7189	7201	7198	7184	7173	7172
G 35.0	6717	6714	6717	6731	6759	6775	6769	6748	6727	6717
G 40.0	6221	6213	6221	6233	6246	6254	6251	6238	6225	6218
G 45.0	5626	5620	5626	5623	5612	5598	5596	5603	5603	5605
G 50.0	4673	4607	4673	4703	4629	4432	4430	4619	4681	4634
G 55.0	3862	3620	3862	3698	3208	2880	2906	3256	3703	3819
G 60.0	2838	2850	2838	2653	2282	2287	2261	2205	2628	2840
G 65.0	2159	2197	2159	2009	1792	1908	1878	1746	2040	2242
G 70.0	1623	1562	1623	1624	1540	1417	1428	1574	1672	1635
G 75.0	1305	1281	1305	1237	1145	1174	1173	1145	1246	1311
G 80.0	961	905	961	1004	1014	987	986	1008	993	951
G 85.0	579	519	579	641	659	594	592	659	651	591
G 90.0	73	73	73	73	73	73	73	73	73	73