

Luminaire

Code 90581L400

Name ROFY 85 IP /C D0400 LIGHT+ 840 HO

Measurem.

Code 4/8/2023

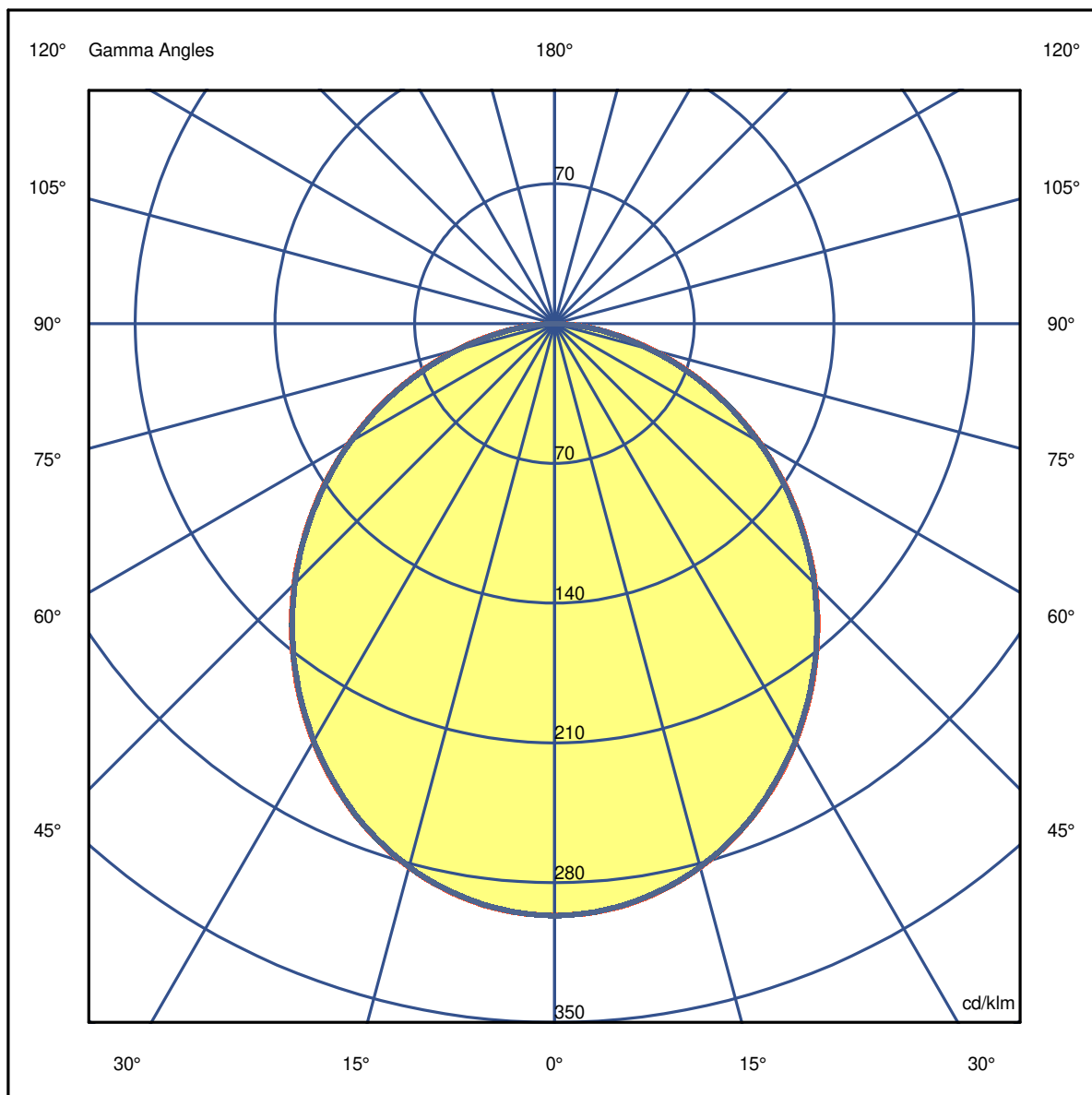
Name ROFY 85 IP /C D0400 LIGHT+ 840 HO

Luminaire Flux	3406 lm	Luminaire Power	23.9 W	Efficacy	142.814 lm/W	Efficiency	79.49%
Source Flux	4285 lm	Maximum value	296.50 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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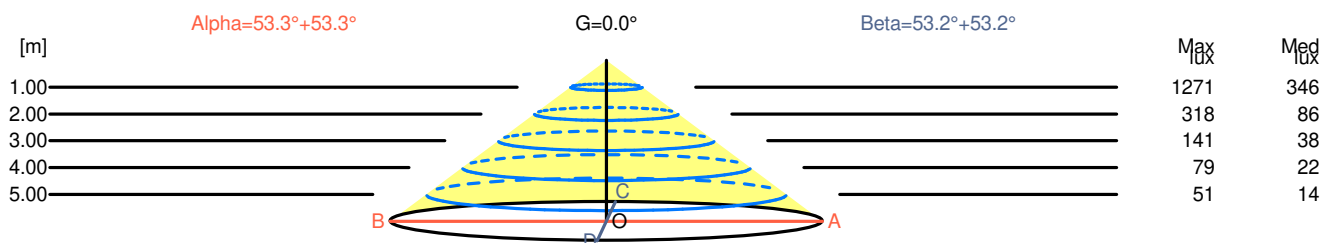
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Width at 50.00 % of Max Intensity

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	1.34	2.69	4.03	5.38	6.72	OC	1.34	2.67	4.01	5.35	6.68
OB	1.34	2.69	4.03	5.38	6.72	OD	1.34	2.67	4.01	5.35	6.68

	0	5	15	25	35	45	55	65	75	85
OA	1270.50	1263.22	1207.51	1103.39	959.84	790.58	603.76	408.79	217.25	53.56
OB	1270.50	1263.22	1207.51	1103.39	959.84	790.58	603.76	408.79	217.25	53.56
OC	1270.50	1261.93	1206.66	1100.39	958.13	788.44	600.76	405.36	212.11	49.28
OD	1270.50	1261.93	1206.66	1100.39	958.13	788.44	600.76	405.36	212.11	49.28



H[m]	D[m]	Max lux	Med lux	Alpha=53.3°+53.3°	G=0.0	
1.00	2.69	1271	346			
2.00	5.38	318	86			
3.00	8.06	141	38			
4.00	10.75	79	22			
5.00	13.44	51	14			

H[m]	D[m]	Max lux	Med lux	Beta=53.2°+53.2°	G=0.0	
1.00	2.67	1271	346			
2.00	5.35	318	86			
3.00	8.02	141	38			
4.00	10.69	79	22			
5.00	13.37	51	14			

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Source Flux	4285 lm	Maximum value	296.50 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	19.1	20.4	19.4	20.7	20.9	19.1	20.4	19.4	20.6	20.9
x=2H y=3H	20.4	21.6	20.7	21.9	22.1	20.4	21.6	20.7	21.8	22.1
x=2H y=4H	20.8	22.0	21.2	22.2	22.5	20.8	21.9	21.1	22.2	22.5
x=2H y=6H	21.1	22.2	21.5	22.5	22.8	21.1	22.1	21.4	22.4	22.7
x=2H y=8H	21.2	22.2	21.5	22.5	22.8	21.1	22.1	21.5	22.4	22.7
x=2H y=12H	21.2	22.2	21.6	22.5	22.8	21.1	22.1	21.5	22.4	22.7
x=4H y=2H	19.7	20.8	20.0	21.1	21.4	19.7	20.8	20.0	21.1	21.4
x=4H y=3H	21.2	22.1	21.5	22.4	22.8	21.1	22.1	21.5	22.4	22.7
x=4H y=4H	21.7	22.6	22.1	22.9	23.3	21.7	22.5	22.1	22.9	23.2
x=4H y=6H	22.1	22.8	22.5	23.2	23.6	22.0	22.7	22.4	23.1	23.5
x=4H y=8H	22.2	22.9	22.6	23.3	23.7	22.1	22.8	22.5	23.2	23.6
x=4H y=12H	22.2	22.8	22.7	23.2	23.7	22.1	22.7	22.6	23.1	23.6
x=8H y=4H	21.9	22.6	22.4	23.0	23.4	21.9	22.5	22.3	22.9	23.4
x=8H y=6H	22.4	22.9	22.8	23.4	23.8	22.3	22.9	22.8	23.3	23.7
x=8H y=8H	22.5	23.0	23.0	23.5	24.0	22.5	22.9	22.9	23.4	23.9
x=8H y=12H	22.6	23.0	23.1	23.5	24.0	22.5	22.9	23.0	23.4	23.9
x=12H y=4H	21.9	22.5	22.4	22.9	23.4	21.9	22.5	22.3	22.9	23.3
x=12H y=6H	22.4	22.9	22.9	23.4	23.8	22.4	22.8	22.8	23.3	23.8
x=12H y=8H	22.6	23.0	23.1	23.5	24.0	22.5	22.9	23.0	23.4	23.9

Luminaire

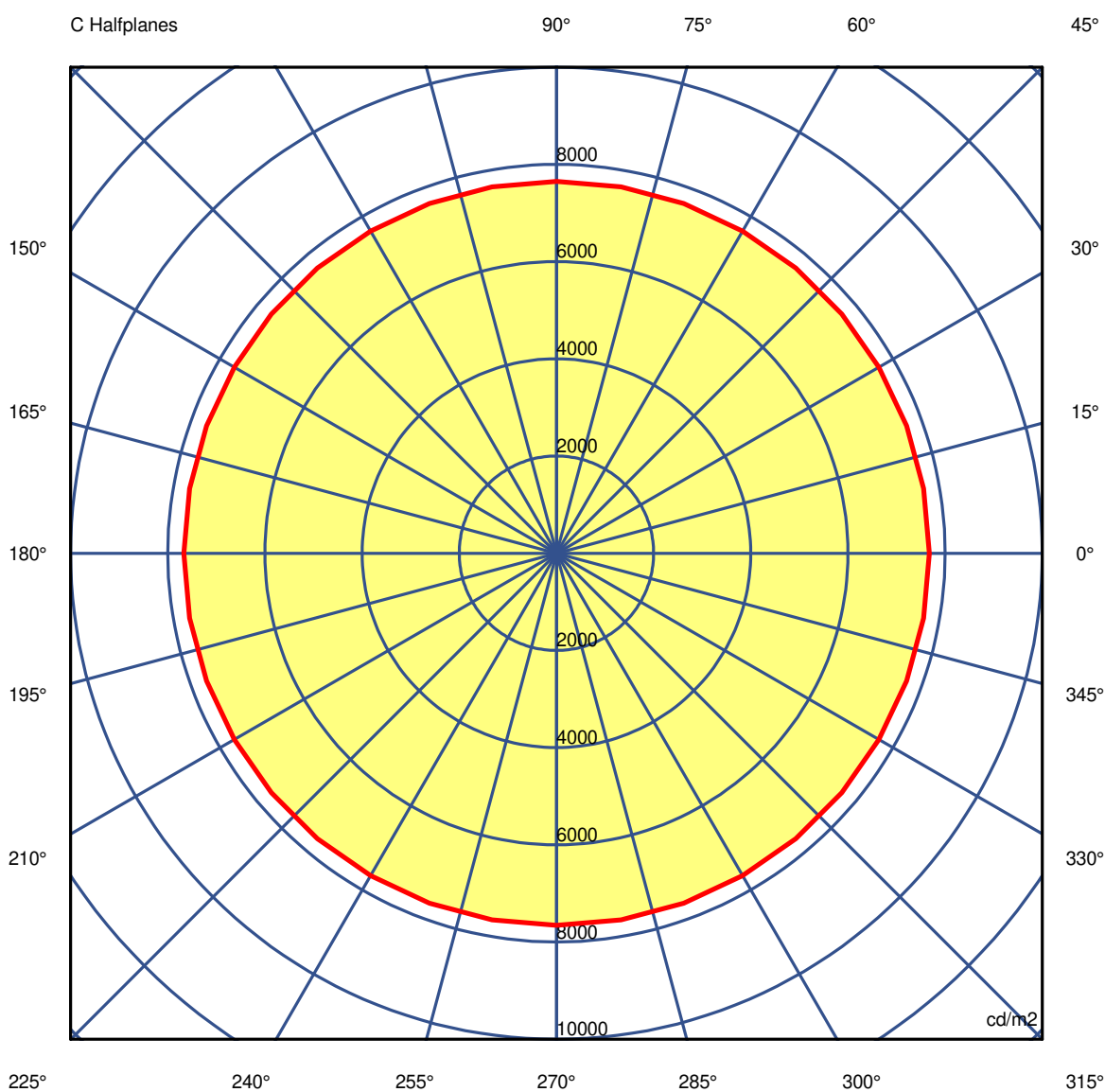
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Source Flux	4285 lm	Maximum value	296.50 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

Luminaire

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Source Flux	4285 lm	Maximum value	296.50 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	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203
G 5.0	10909	10909	10909	10909	10912	10912	10909	10912	10910	10898	10910	10912	10909
G 10.0	10590	10594	10592	10587	10588	10592	10594	10593	10586	10576	10586	10593	10594
G 15.0	10241	10244	10246	10245	10242	10242	10245	10243	10239	10234	10239	10243	10245
G 20.0	9869	9873	9870	9866	9868	9868	9866	9869	9866	9855	9866	9869	9866
G 25.0	9476	9474	9471	9469	9469	9469	9469	9468	9461	9451	9461	9468	9469
G 30.0	9056	9054	9050	9048	9054	9054	9048	9048	9045	9045	9048	9048	9048
G 35.0	8614	8611	8610	8610	8610	8609	8606	8604	8601	8599	8601	8604	8606
G 40.0	8153	8153	8150	8145	8148	8148	8145	8145	8142	8133	8142	8145	8145
G 45.0	7673	7671	7665	7661	7664	7662	7656	7659	7659	7652	7659	7659	7656
G 50.0	7158	7154	7153	7153	7147	7144	7144	7139	7132	7127	7132	7139	7144
G 55.0	6598	6595	6592	6588	6585	6584	6584	6582	6575	6565	6575	6582	6584
G 60.0	5996	5989	5985	5981	5974	5969	5966	5959	5954	5951	5954	5959	5966
G 65.0	5295	5290	5289	5289	5283	5274	5267	5264	5259	5251	5259	5264	5267
G 70.0	4518	4504	4498	4493	4477	4462	4456	4452	4446	4437	4446	4452	4456
G 75.0	3588	3588	3583	3567	3548	3527	3510	3510	3508	3503	3508	3510	3510
G 80.0	2529	2526	2513	2496	2482	2454	2421	2421	2419	2404	2419	2421	2421
G 85.0	1273	1286	1273	1243	1229	1213	1192	1184	1179	1172	1179	1184	1192
G 90.0	159	149	146	146	146	146	146	146	146	146	146	146	146

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Source Flux	4285 lm		Maximum value		296.50 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	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203	
G 5.0	10912	10912	10909	10909	10909	10909	10909	10909	10909	10912	10912	10909	10912	
G 10.0	10592	10588	10587	10592	10594	10590	10594	10592	10587	10588	10592	10594	10593	
G 15.0	10242	10242	10245	10246	10244	10241	10244	10246	10245	10242	10242	10245	10243	
G 20.0	9868	9868	9866	9870	9873	9869	9873	9870	9866	9868	9868	9866	9869	
G 25.0	9469	9469	9469	9471	9474	9476	9474	9471	9469	9469	9469	9469	9468	
G 30.0	9054	9054	9048	9050	9054	9056	9054	9050	9048	9054	9054	9048	9048	
G 35.0	8609	8610	8610	8610	8611	8614	8611	8610	8610	8610	8609	8606	8604	
G 40.0	8148	8148	8145	8150	8153	8153	8153	8150	8145	8148	8148	8145	8145	
G 45.0	7662	7664	7661	7665	7671	7673	7671	7665	7661	7664	7662	7656	7659	
G 50.0	7144	7147	7153	7153	7154	7158	7154	7153	7153	7147	7144	7144	7139	
G 55.0	6584	6585	6588	6592	6595	6598	6595	6592	6588	6585	6584	6584	6582	
G 60.0	5969	5974	5981	5985	5989	5996	5989	5985	5981	5974	5969	5966	5959	
G 65.0	5274	5283	5289	5289	5290	5295	5290	5289	5289	5283	5274	5267	5264	
G 70.0	4462	4477	4493	4498	4504	4518	4504	4498	4493	4477	4462	4456	4452	
G 75.0	3527	3548	3567	3583	3588	3588	3588	3583	3567	3548	3527	3510	3510	
G 80.0	2454	2482	2496	2513	2526	2529	2526	2513	2496	2482	2454	2421	2421	
G 85.0	1213	1229	1243	1273	1286	1273	1286	1273	1243	1229	1213	1192	1184	
G 90.0	146	146	146	146	149	159	149	146	146	146	146	146	146	

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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	11203	11203	11203	11203	11203	11203	11203	11203	11203	11203
G 5.0	10910	10898	10910	10912	10909	10912	10912	10909	10909	10909
G 10.0	10586	10576	10586	10593	10594	10592	10588	10587	10592	10594
G 15.0	10239	10234	10239	10243	10245	10242	10242	10245	10246	10244
G 20.0	9866	9855	9866	9869	9866	9868	9868	9866	9870	9873
G 25.0	9461	9451	9461	9468	9469	9469	9469	9469	9471	9474
G 30.0	9048	9045	9048	9048	9048	9054	9054	9048	9050	9054
G 35.0	8601	8599	8601	8604	8606	8609	8610	8610	8610	8611
G 40.0	8142	8133	8142	8145	8145	8148	8148	8145	8150	8153
G 45.0	7659	7652	7659	7659	7656	7662	7664	7661	7665	7671
G 50.0	7132	7127	7132	7139	7144	7144	7147	7153	7153	7154
G 55.0	6575	6565	6575	6582	6584	6584	6585	6588	6592	6595
G 60.0	5954	5951	5954	5959	5966	5969	5974	5981	5985	5989
G 65.0	5259	5251	5259	5264	5267	5274	5283	5289	5289	5290
G 70.0	4446	4437	4446	4452	4456	4462	4477	4493	4498	4504
G 75.0	3508	3503	3508	3510	3510	3527	3548	3567	3583	3588
G 80.0	2419	2404	2419	2421	2421	2454	2482	2496	2513	2526
G 85.0	1179	1172	1179	1184	1192	1213	1229	1243	1273	1286
G 90.0	146	146	146	146	146	146	146	146	146	149