

Luminaire

Code 90620L400

Name ROFY 85 D0400 GCONTROL+ 830 HO

Measurem.

Code 4/8/2023

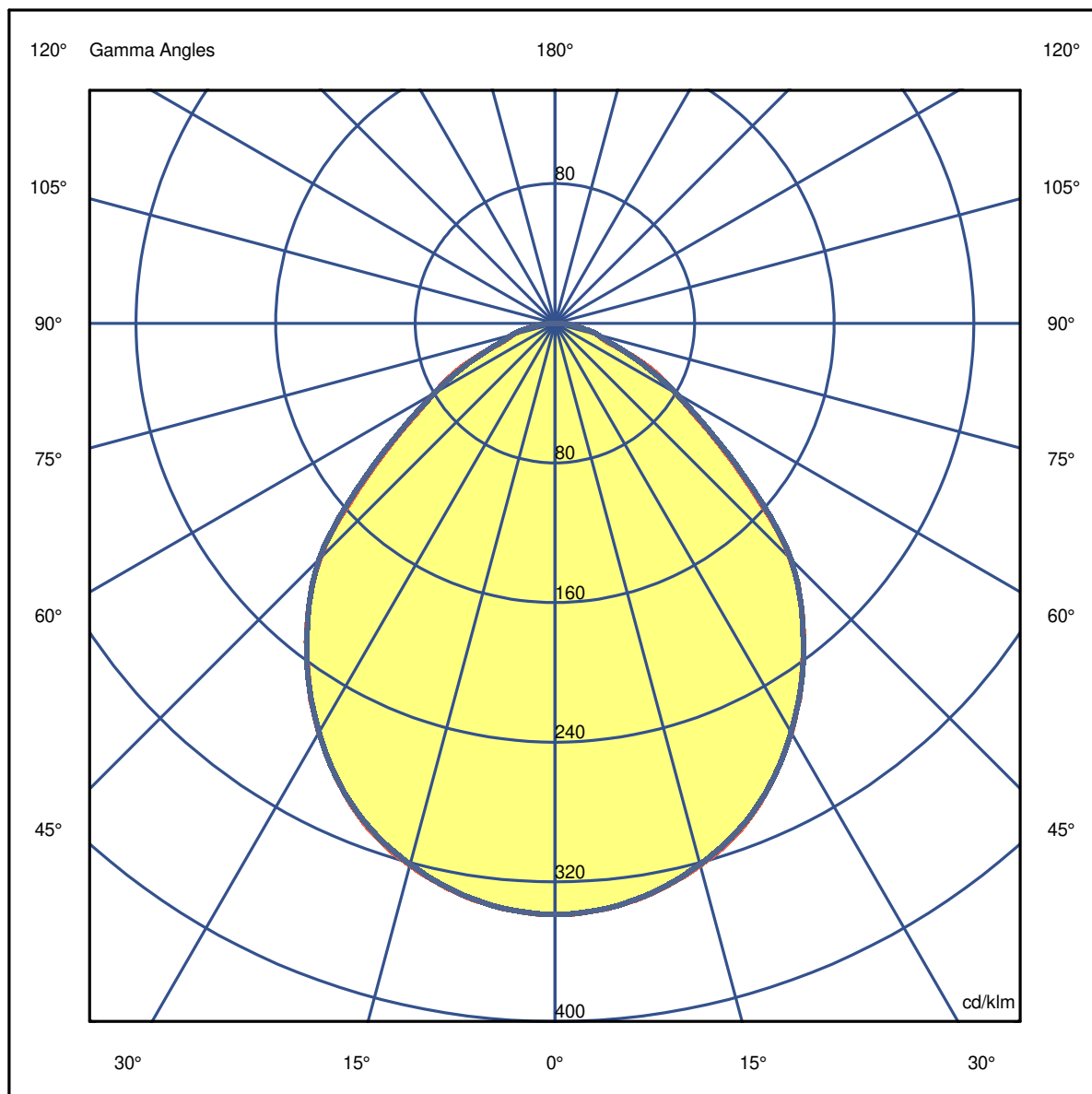
Name ROFY 85 D0400 GCONTROL+ 830 HO

Luminaire Flux	3015 lm	Luminaire Power	23.9 W	Efficacy	126.429 lm/W	Efficiency	73.67%
Source Flux	4093 lm	Maximum value	338.60 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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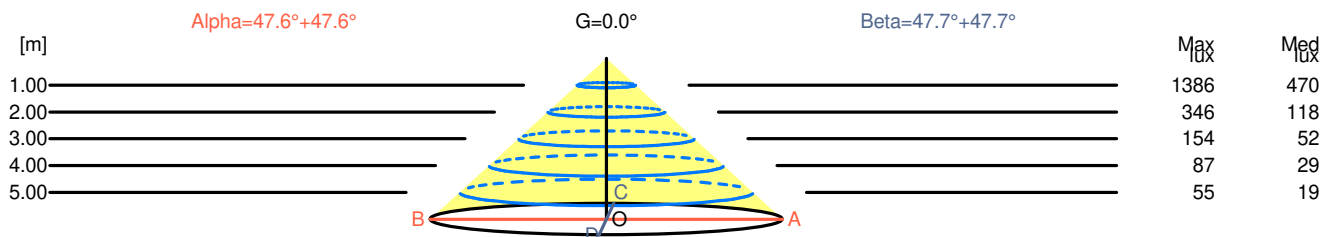
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Width at 50.00 % of Max Intensity

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	1.09	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	1385.89	1377.70	1315.08	1193.93	1009.33	780.54	439.59	239.85	103.55	29.47
OB	1385.89	1377.70	1315.08	1193.93	1009.33	780.54	439.59	239.85	103.55	29.47
OC	1385.89	1377.29	1313.44	1193.11	1010.15	782.58	446.14	228.39	104.37	29.06
OD	1385.89	1377.29	1313.44	1193.11	1010.15	782.58	446.14	228.39	104.37	29.06



H[m]	D[m]	Max lux	Med lux	Alpha=47.6°+47.6°	G=0.0
1.00	2.19	1386	470		
2.00	4.38	346	118		
3.00	6.57	154	52		
4.00	8.76	87	29		
5.00	10.95	55	19		

H[m]	D[m]	Max lux	Med lux	Beta=47.7°+47.7°	G=0.0
1.00	2.20	1386	470		
2.00	4.40	346	118		
3.00	6.60	154	52		
4.00	8.80	87	29		
5.00	10.99	55	19		

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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	17.7	18.9	18.0	19.1	19.4	17.8	18.9	18.1	19.1	19.4
x=2H y=3H	18.3	19.4	18.6	19.6	19.9	18.3	19.3	18.6	19.6	19.9
x=2H y=4H	18.5	19.5	18.8	19.8	20.0	18.5	19.5	18.8	19.7	20.0
x=2H y=6H	18.6	19.5	19.0	19.8	20.1	18.6	19.5	19.0	19.8	20.1
x=2H y=8H	18.7	19.5	19.0	19.8	20.2	18.7	19.5	19.0	19.8	20.2
x=2H y=12H	18.7	19.5	19.0	19.8	20.2	18.6	19.5	19.0	19.8	20.1
x=4H y=2H	17.9	18.9	18.2	19.1	19.4	17.9	18.9	18.2	19.1	19.4
x=4H y=3H	18.6	19.5	19.0	19.8	20.1	18.6	19.4	19.0	19.7	20.1
x=4H y=4H	18.9	19.6	19.3	20.0	20.3	18.9	19.6	19.3	20.0	20.3
x=4H y=6H	19.1	19.8	19.6	20.1	20.5	19.1	19.7	19.5	20.1	20.5
x=4H y=8H	19.2	19.8	19.6	20.1	20.6	19.2	19.8	19.6	20.1	20.6
x=4H y=12H	19.2	19.8	19.7	20.2	20.6	19.2	19.7	19.7	20.1	20.6
x=8H y=4H	19.0	19.5	19.4	19.9	20.3	18.9	19.5	19.4	19.9	20.3
x=8H y=6H	19.3	19.8	19.7	20.2	20.6	19.3	19.8	19.7	20.2	20.6
x=8H y=8H	19.4	19.8	19.9	20.3	20.7	19.4	19.8	19.9	20.3	20.7
x=8H y=12H	19.5	19.8	20.0	20.3	20.8	19.5	19.8	19.9	20.3	20.8
x=12H y=4H	19.0	19.5	19.4	19.9	20.3	18.9	19.5	19.4	19.9	20.3
x=12H y=6H	19.3	19.7	19.8	20.2	20.6	19.3	19.7	19.8	20.1	20.6
x=12H y=8H	19.4	19.8	19.9	20.3	20.7	19.4	19.8	19.9	20.2	20.7

Luminaire

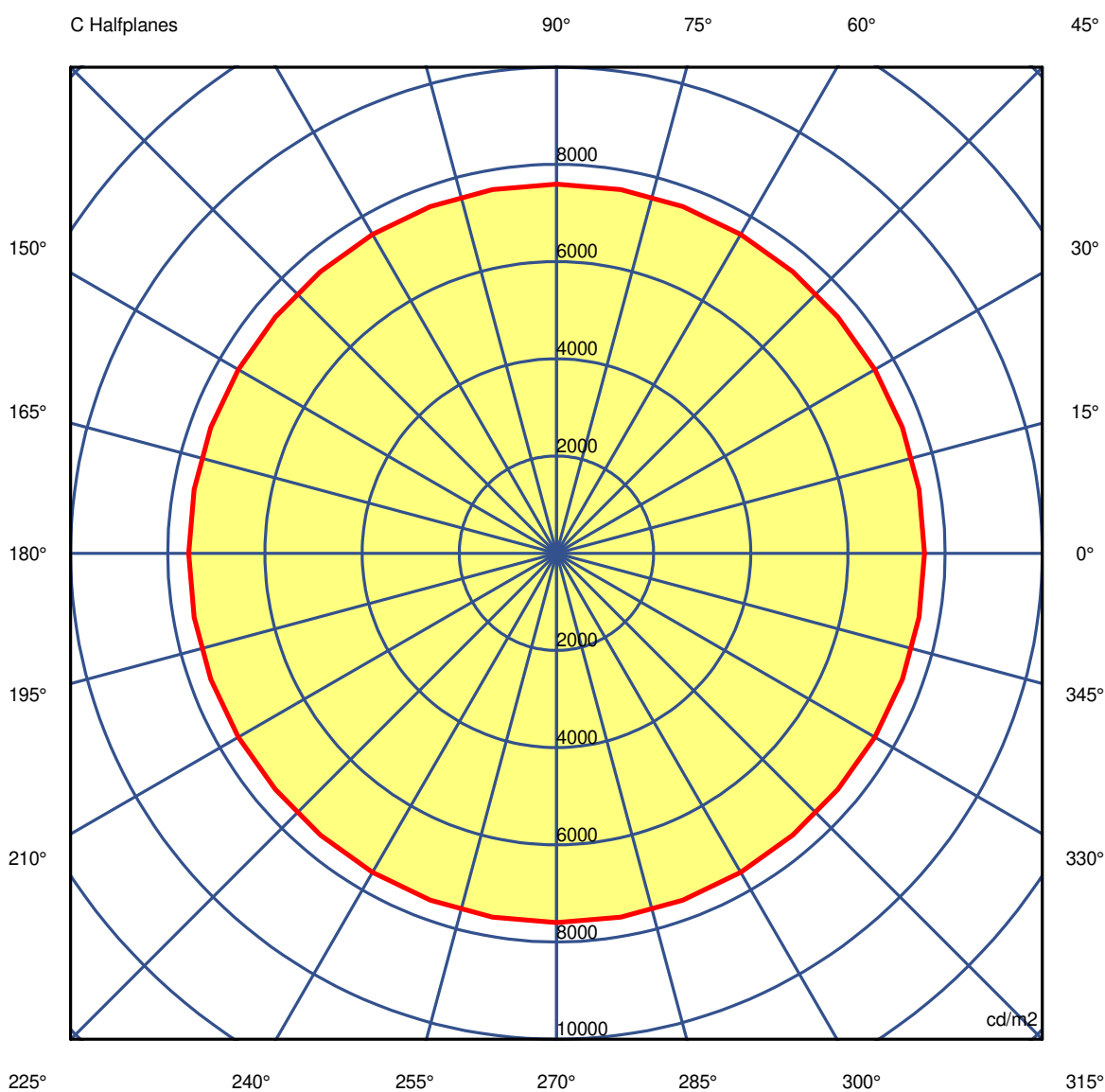
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Luminaire Flux	3015 lm	Luminaire Power	23.9 W	Efficacy	126.429 lm/W	Efficiency	73.67%
Source Flux	4093 lm	Maximum value	338.60 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Source Flux	4093 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	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	
G 5.0	11898	11891	11892	11898	11899	11897	11894	11891	11891	11894	11891	11891	11894	
G 10.0	11536	11534	11531	11529	11527	11524	11522	11521	11524	11529	11524	11521	11522	
G 15.0	11154	11150	11142	11133	11128	11124	11122	11126	11133	11140	11133	11126	11122	
G 20.0	10756	10739	10717	10694	10680	10674	10680	10701	10718	10725	10718	10701	10680	
G 25.0	10254	10242	10231	10222	10215	10210	10212	10223	10236	10247	10236	10223	10212	
G 30.0	9688	9679	9679	9695	9718	9721	9702	9685	9681	9681	9681	9685	9702	
G 35.0	9058	9062	9082	9113	9137	9143	9124	9085	9068	9066	9068	9085	9124	
G 40.0	8384	8391	8403	8422	8444	8447	8430	8415	8398	8377	8398	8415	8430	
G 45.0	7576	7576	7572	7564	7558	7564	7580	7595	7600	7595	7600	7595	7580	
G 50.0	6137	6262	6333	6246	5975	5969	6237	6343	6306	6221	6306	6343	6237	
G 55.0	4804	5163	4998	4388	3927	3891	4321	4989	5213	4875	5213	4989	4321	
G 60.0	3838	3828	3546	2982	3056	3092	3089	3584	3831	3848	3831	3584	3089	
G 65.0	3107	3029	2759	2365	2537	2575	2423	2718	2916	2958	2916	2718	2423	
G 70.0	2019	2207	2254	2125	1932	1916	2078	2188	2188	2107	2188	2188	2078	
G 75.0	1710	1769	1684	1548	1582	1584	1548	1673	1761	1724	1761	1673	1548	
G 80.0	1216	1280	1340	1367	1337	1335	1367	1358	1303	1224	1303	1358	1367	
G 85.0	701	793	877	895	804	801	886	859	774	691	774	859	886	
G 90.0	101	101	101	101	101	101	101	101	101	101	101	101	101	

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Source Flux	4093 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	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220	
G 5.0	11897	11899	11898	11892	11891	11898	11891	11892	11898	11899	11897	11894	11891	
G 10.0	11524	11527	11529	11531	11534	11536	11534	11531	11529	11527	11524	11522	11521	
G 15.0	11124	11128	11133	11142	11150	11154	11150	11142	11133	11128	11124	11122	11126	
G 20.0	10674	10680	10694	10717	10739	10756	10739	10717	10694	10680	10674	10680	10701	
G 25.0	10210	10215	10222	10231	10242	10254	10242	10231	10222	10215	10210	10212	10223	
G 30.0	9721	9718	9695	9679	9679	9688	9679	9679	9695	9718	9721	9702	9685	
G 35.0	9143	9137	9113	9082	9062	9058	9062	9082	9113	9137	9143	9124	9085	
G 40.0	8447	8444	8422	8403	8391	8384	8391	8403	8422	8444	8447	8430	8415	
G 45.0	7564	7558	7564	7572	7576	7576	7576	7572	7564	7558	7564	7580	7595	
G 50.0	5969	5975	6246	6333	6262	6137	6262	6333	6246	5975	5969	6237	6343	
G 55.0	3891	3927	4388	4998	5163	4804	5163	4998	4388	3927	3891	4321	4989	
G 60.0	3092	3056	2982	3546	3828	3838	3828	3546	2982	3056	3092	3089	3584	
G 65.0	2575	2537	2365	2759	3029	3107	3029	2759	2365	2537	2575	2423	2718	
G 70.0	1916	1932	2125	2254	2207	2019	2207	2254	2125	1932	1916	2078	2188	
G 75.0	1584	1582	1548	1684	1769	1710	1769	1684	1582	1584	1584	1548	1673	
G 80.0	1335	1337	1367	1340	1280	1216	1280	1340	1367	1337	1335	1367	1358	
G 85.0	801	804	895	877	793	701	793	877	895	804	801	886	859	
G 90.0	101	101	101	101	101	101	101	101	101	101	101	101	101	

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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	12220	12220	12220	12220	12220	12220	12220	12220	12220	12220
G 5.0	11891	11894	11891	11891	11894	11897	11899	11898	11892	11891
G 10.0	11524	11529	11524	11521	11522	11524	11527	11529	11531	11534
G 15.0	11133	11140	11133	11126	11122	11124	11128	11133	11142	11150
G 20.0	10718	10725	10718	10701	10680	10674	10680	10694	10717	10739
G 25.0	10236	10247	10236	10223	10212	10210	10215	10222	10231	10242
G 30.0	9681	9681	9681	9685	9702	9721	9718	9695	9679	9679
G 35.0	9068	9066	9068	9085	9124	9143	9137	9113	9082	9062
G 40.0	8398	8377	8398	8415	8430	8447	8444	8422	8403	8391
G 45.0	7600	7595	7600	7595	7580	7564	7558	7564	7572	7576
G 50.0	6306	6221	6306	6343	6237	5969	5975	6246	6333	6262
G 55.0	5213	4875	5213	4989	4321	3891	3927	4388	4998	5163
G 60.0	3831	3848	3831	3584	3089	3092	3056	2982	3546	3828
G 65.0	2916	2958	2916	2718	2423	2575	2537	2365	2759	3029
G 70.0	2188	2107	2188	2188	2078	1916	1932	2125	2254	2207
G 75.0	1761	1724	1761	1673	1548	1584	1582	1548	1684	1769
G 80.0	1303	1224	1303	1358	1367	1335	1337	1367	1340	1280
G 85.0	774	691	774	859	886	801	804	895	877	793
G 90.0	101	101	101	101	101	101	101	101	101	101