

**Luminaire**

Code 90620L400

Name ROFY 85 D0400 GCONTROL+ 840 HO

**Measurem.**

Code 4/8/2023

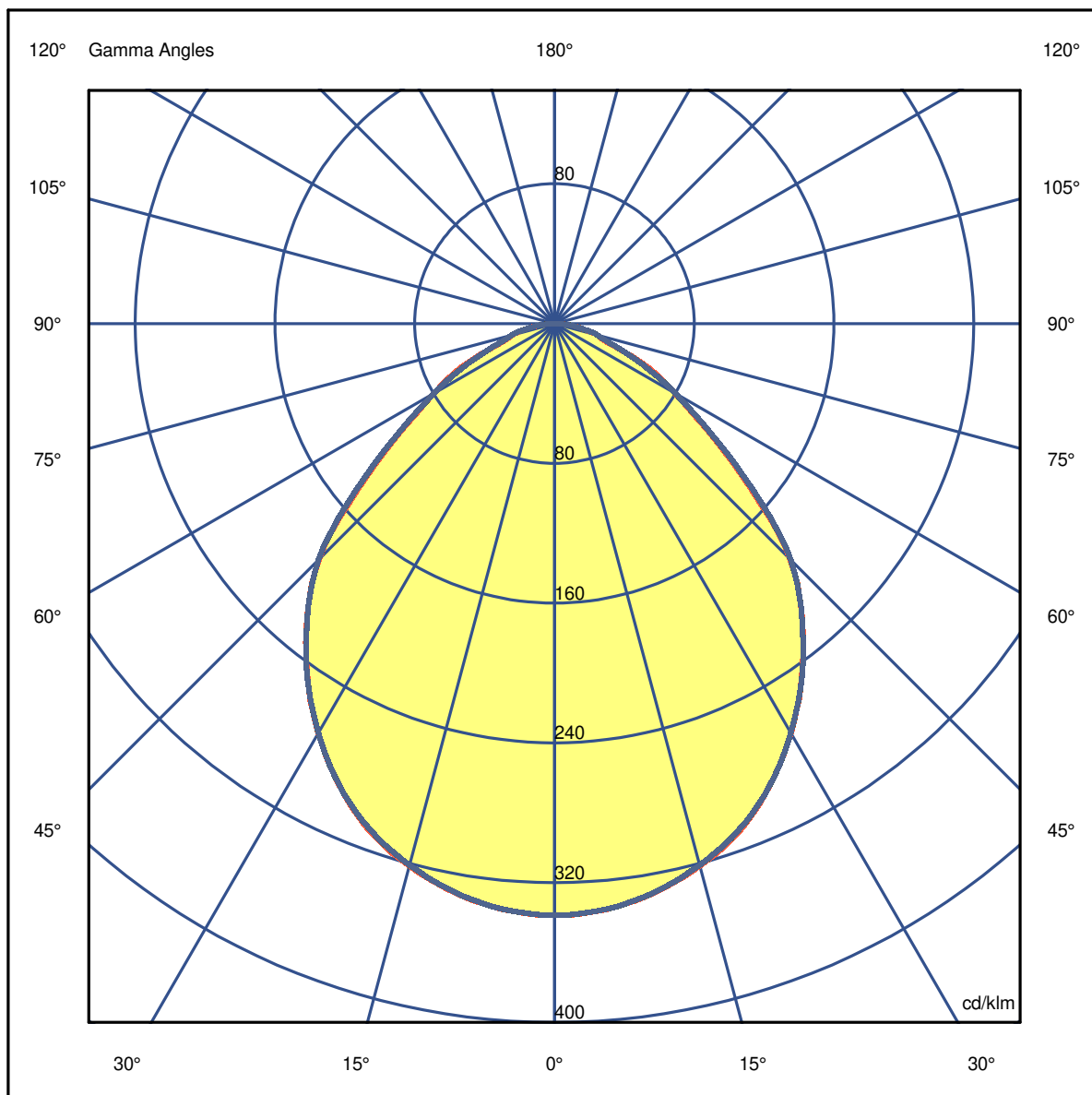
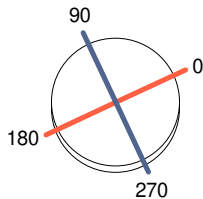
Name ROFY 85 D0400 GCONTROL+ 840 HO

Luminaire Flux	3157 lm	Luminaire Power	23.9 W	Efficacy	132.360 lm/W	Efficiency	73.67%
Source Flux	4285 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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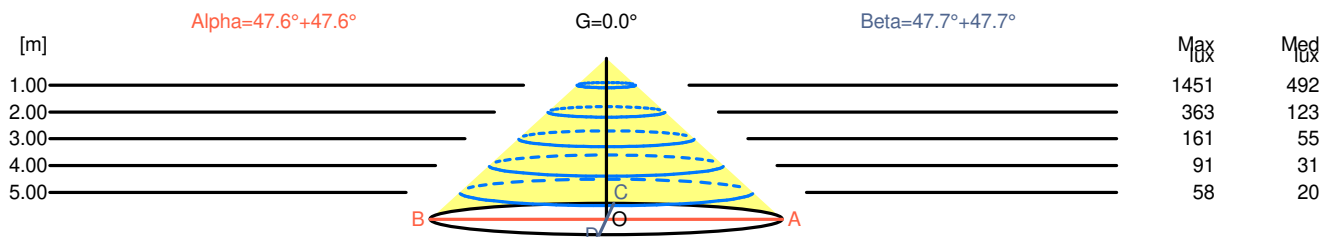
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Width at 50.00 % of Max Intensity

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	1450.90	1442.33	1376.77	1249.93	1056.68	817.15	460.21	251.10	108.41	30.85
OB	1450.90	1442.33	1376.77	1249.93	1056.68	817.15	460.21	251.10	108.41	30.85
OC	1450.90	1441.90	1375.06	1249.08	1057.54	819.29	467.06	239.10	109.27	30.42
OD	1450.90	1441.90	1375.06	1249.08	1057.54	819.29	467.06	239.10	109.27	30.42



H[m]	D[m]	Max lux	Med lux	Alpha=47.6°+47.6°	G=0.0	
1.00	2.19	1451	492			
2.00	4.38	363	123			
3.00	6.57	161	55			
4.00	8.76	91	31			
5.00	10.95	58	20			

H[m]	D[m]	Max lux	Med lux	Beta=47.7°+47.7°	G=0.0	
1.00	2.20	1451	492			
2.00	4.40	363	123			
3.00	6.60	161	55			
4.00	8.80	91	31			
5.00	10.99	58	20			

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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	17.9	19.1	18.2	19.3	19.5	17.9	19.1	18.2	19.3	19.5
x=2H y=3H	18.5	19.5	18.8	19.8	20.0	18.5	19.5	18.8	19.8	20.0
x=2H y=4H	18.7	19.6	19.0	19.9	20.2	18.6	19.6	19.0	19.9	20.2
x=2H y=6H	18.8	19.7	19.1	20.0	20.3	18.8	19.7	19.1	20.0	20.3
x=2H y=8H	18.8	19.7	19.2	20.0	20.3	18.8	19.7	19.2	20.0	20.3
x=2H y=12H	18.8	19.7	19.2	20.0	20.3	18.8	19.6	19.2	20.0	20.3
x=4H y=2H	18.0	19.0	18.4	19.3	19.6	18.1	19.0	18.4	19.3	19.6
x=4H y=3H	18.8	19.6	19.1	19.9	20.3	18.8	19.6	19.1	19.9	20.2
x=4H y=4H	19.1	19.8	19.4	20.1	20.5	19.0	19.8	19.4	20.1	20.5
x=4H y=6H	19.3	19.9	19.7	20.3	20.7	19.3	19.9	19.7	20.3	20.7
x=4H y=8H	19.3	19.9	19.8	20.3	20.7	19.3	19.9	19.8	20.3	20.7
x=4H y=12H	19.4	19.9	19.8	20.3	20.8	19.4	19.9	19.8	20.3	20.7
x=8H y=4H	19.1	19.7	19.6	20.1	20.5	19.1	19.7	19.5	20.1	20.5
x=8H y=6H	19.4	19.9	19.9	20.3	20.8	19.4	19.9	19.9	20.3	20.8
x=8H y=8H	19.6	20.0	20.0	20.4	20.9	19.5	20.0	20.0	20.4	20.9
x=8H y=12H	19.6	20.0	20.1	20.5	20.9	19.6	20.0	20.1	20.4	20.9
x=12H y=4H	19.1	19.6	19.6	20.1	20.5	19.1	19.6	19.6	20.0	20.5
x=12H y=6H	19.5	19.9	19.9	20.3	20.8	19.4	19.9	19.9	20.3	20.8
x=12H y=8H	19.6	19.9	20.1	20.4	20.9	19.6	19.9	20.1	20.4	20.9

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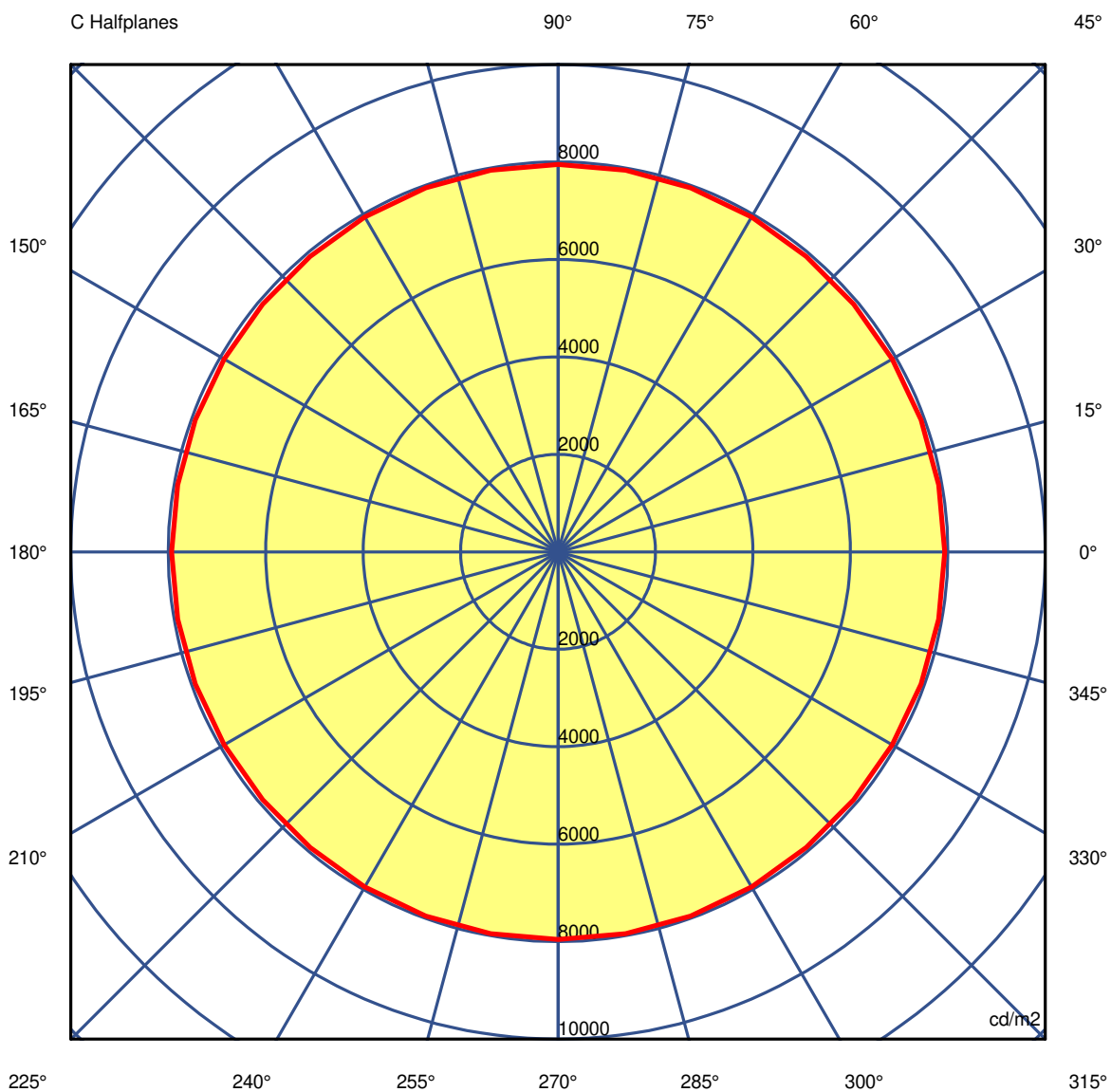
**Measurem.**

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Luminaire Flux	3157 lm	Luminaire Power	23.9 W	Efficacy	132.360 lm/W	Efficiency	73.67%
Source Flux	4285 lm	Maximum value	338.60 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Luminaire Flux	3157 lm		Luminaire Power		23.9 W		Efficacy		132.360 lm/W		Efficiency		73.67%	
Source Flux	4285 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	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	
G 5.0	12456	12449	12450	12456	12457	12455	12452	12449	12449	12452	12449	12449	12452	
G 10.0	12077	12075	12072	12070	12067	12065	12063	12062	12064	12070	12064	12062	12063	
G 15.0	11677	11673	11665	11655	11650	11646	11644	11648	11655	11662	11655	11648	11644	
G 20.0	11261	11243	11219	11195	11181	11175	11181	11203	11221	11228	11221	11203	11181	
G 25.0	10735	10722	10711	10702	10694	10689	10691	10702	10716	10728	10716	10702	10691	
G 30.0	10142	10133	10134	10150	10174	10177	10157	10140	10135	10135	10135	10140	10157	
G 35.0	9483	9487	9508	9541	9566	9572	9552	9511	9493	9491	9493	9511	9552	
G 40.0	8778	8784	8797	8818	8840	8843	8826	8810	8792	8770	8792	8810	8826	
G 45.0	7931	7931	7928	7918	7913	7919	7935	7951	7957	7952	7957	7951	7935	
G 50.0	6425	6556	6630	6539	6255	6249	6530	6640	6601	6512	6601	6640	6530	
G 55.0	5029	5405	5233	4594	4112	4074	4523	5223	5458	5104	5458	5223	4523	
G 60.0	4018	4008	3712	3122	3200	3237	3234	3752	4011	4028	4011	3752	3234	
G 65.0	3252	3171	2888	2475	2656	2695	2536	2846	3053	3097	3053	2846	2536	
G 70.0	2113	2311	2359	2225	2023	2006	2175	2291	2290	2206	2290	2291	2175	
G 75.0	1790	1852	1763	1621	1656	1658	1621	1751	1843	1805	1843	1751	1621	
G 80.0	1273	1340	1403	1431	1400	1397	1431	1421	1364	1281	1364	1421	1431	
G 85.0	733	830	918	937	842	839	927	899	811	723	811	899	927	
G 90.0	106	106	106	106	106	106	106	106	106	106	106	106	106	

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Source Flux	4285 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	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793
G 5.0	12455	12457	12456	12450	12449	12456	12449	12450	12456	12457	12455	12452	12449
G 10.0	12065	12067	12070	12072	12075	12077	12075	12072	12070	12067	12065	12063	12062
G 15.0	11646	11650	11655	11665	11673	11677	11673	11665	11655	11650	11646	11644	11648
G 20.0	11175	11181	11195	11219	11243	11261	11243	11219	11195	11181	11175	11181	11203
G 25.0	10689	10694	10702	10711	10722	10735	10722	10711	10702	10694	10689	10691	10702
G 30.0	10177	10174	10150	10134	10133	10142	10133	10134	10150	10174	10177	10157	10140
G 35.0	9572	9566	9541	9508	9487	9483	9487	9508	9541	9566	9572	9552	9511
G 40.0	8843	8840	8818	8797	8784	8778	8784	8797	8818	8840	8843	8826	8810
G 45.0	7919	7913	7918	7928	7931	7931	7931	7928	7918	7913	7919	7935	7951
G 50.0	6249	6255	6539	6630	6556	6425	6556	6630	6539	6255	6249	6530	6640
G 55.0	4074	4112	4594	5233	5405	5029	5405	5233	4594	4112	4074	4523	5223
G 60.0	3237	3200	3122	3712	4008	4018	4008	3712	3122	3200	3237	3234	3752
G 65.0	2695	2656	2475	2888	3171	3252	3171	2888	2475	2656	2695	2536	2846
G 70.0	2006	2023	2225	2359	2311	2113	2311	2359	2225	2023	2006	2175	2291
G 75.0	1658	1656	1621	1763	1852	1790	1852	1763	1621	1656	1658	1621	1751
G 80.0	1397	1400	1431	1403	1340	1273	1340	1403	1431	1400	1397	1431	1421
G 85.0	839	842	937	918	830	733	830	918	937	842	839	927	899
G 90.0	106	106	106	106	106	106	106	106	106	106	106	106	106

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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	12793	12793	12793	12793	12793	12793	12793	12793	12793	12793
G 5.0	12449	12452	12449	12449	12452	12455	12457	12456	12450	12449
G 10.0	12064	12070	12064	12062	12063	12065	12067	12070	12072	12075
G 15.0	11655	11662	11655	11648	11644	11646	11650	11655	11665	11673
G 20.0	11221	11228	11221	11203	11181	11175	11181	11195	11219	11243
G 25.0	10716	10728	10716	10702	10691	10689	10694	10702	10711	10722
G 30.0	10135	10135	10135	10140	10157	10177	10174	10150	10134	10133
G 35.0	9493	9491	9493	9511	9552	9572	9566	9541	9508	9487
G 40.0	8792	8770	8792	8810	8826	8843	8840	8818	8797	8784
G 45.0	7957	7952	7957	7951	7935	7919	7913	7918	7928	7931
G 50.0	6601	6512	6601	6640	6530	6249	6255	6539	6630	6556
G 55.0	5458	5104	5458	5223	4523	4074	4112	4594	5233	5405
G 60.0	4011	4028	4011	3752	3234	3237	3200	3122	3712	4008
G 65.0	3053	3097	3053	2846	2536	2695	2656	2475	2888	3171
G 70.0	2290	2206	2290	2291	2175	2006	2023	2225	2359	2311
G 75.0	1843	1805	1843	1751	1621	1658	1656	1621	1763	1852
G 80.0	1364	1281	1364	1421	1431	1397	1400	1431	1403	1340
G 85.0	811	723	811	899	927	839	842	937	918	830
G 90.0	106	106	106	106	106	106	106	106	106	106