

**Luminaire**

Code 90621L900

Name ROFY 85 /E D0900 LIGHT+ K3 830 HO

**Measurem.**

Code 25/7/2023

Name ROFY 85 /E D0900 LIGHT+ K3 830 HO

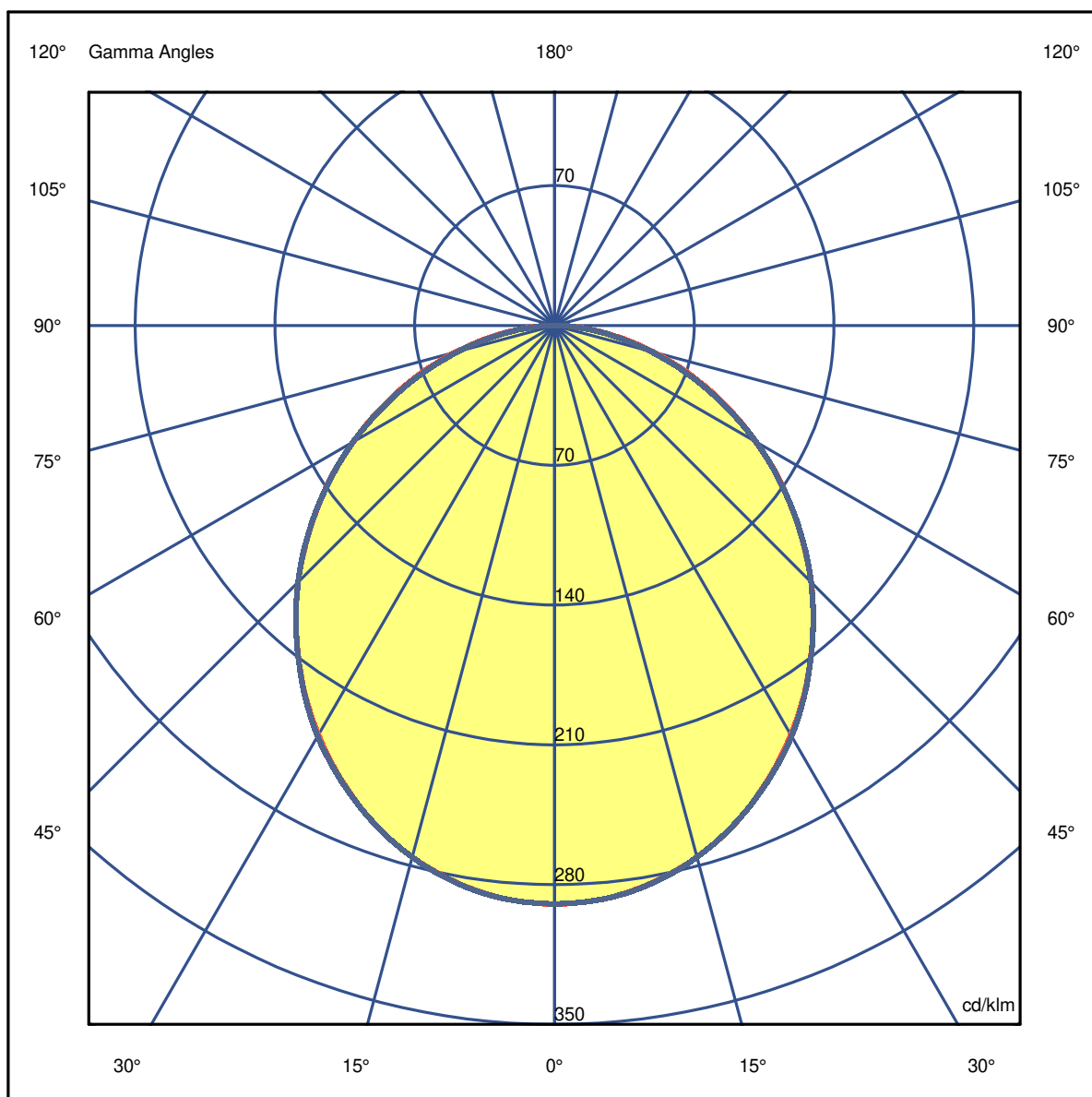
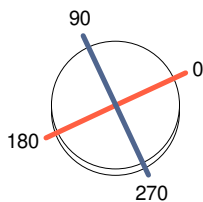
Luminaire Flux	9220 lm	Luminaire Power	64.9 W	Efficacy	142.023 lm/W	Efficiency	78.59%
Source Flux	11732 lm	Maximum value	289.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=900mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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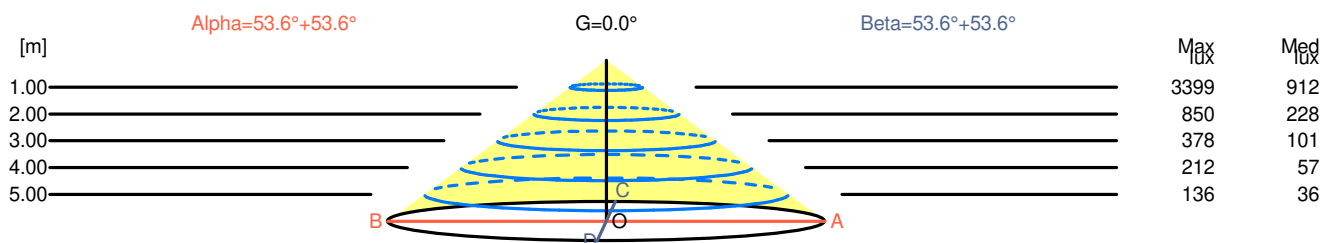
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Width at 50.00 % of Max Intensity

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	1.36	2.72	4.08	5.44	6.79	OC	1.36	2.71	4.07	5.43	6.78
OB	1.36	2.72	4.08	5.44	6.79	OD	1.36	2.71	4.07	5.43	6.78

	0	5	15	25	35	45	55	65	75	85
OA	3398.76	3379.99	3233.34	2954.12	2578.69	2131.70	1630.75	1105.15	599.51	165.42
OB	3398.76	3379.99	3233.34	2954.12	2578.69	2131.70	1630.75	1105.15	599.51	165.42
OC	3398.76	3379.99	3233.34	2957.64	2582.21	2131.70	1627.23	1094.60	579.56	152.52
OD	3398.76	3379.99	3233.34	2957.64	2582.21	2131.70	1627.23	1094.60	579.56	152.52



H[m]	D[m]	Max lux	Med lux	Alpha=53.6°+53.6°	G=0.0
1.00	2.72	3399	912		
2.00	5.44	850	228		
3.00	8.15	378	101		
4.00	10.87	212	57		
5.00	13.59	136	36		

H[m]	D[m]	Max lux	Med lux	Beta=53.6°+53.6°	G=0.0
1.00	2.71	3399	912		
2.00	5.43	850	228		
3.00	8.14	378	101		
4.00	10.85	212	57		
5.00	13.57	136	36		

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Source Flux	11732 lm	Maximum value	289.70 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										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	17.4	18.7	17.7	18.9	19.1	17.4	18.7	17.7	18.9	19.1
x=2H y=3H	18.8	20.0	19.1	20.2	20.5	18.7	19.9	19.0	20.2	20.5
x=2H y=4H	19.3	20.4	19.6	20.7	20.9	19.2	20.3	19.6	20.6	20.9
x=2H y=6H	19.6	20.7	20.0	21.0	21.3	19.6	20.6	19.9	20.9	21.2
x=2H y=8H	19.7	20.7	20.1	21.0	21.4	19.6	20.6	20.0	20.9	21.3
x=2H y=12H	19.8	20.7	20.1	21.0	21.4	19.7	20.6	20.0	20.9	21.3
x=4H y=2H	18.0	19.1	18.3	19.4	19.7	18.0	19.1	18.3	19.4	19.7
x=4H y=3H	19.5	20.5	19.9	20.8	21.2	19.5	20.5	19.9	20.8	21.1
x=4H y=4H	20.2	21.0	20.6	21.4	21.7	20.1	21.0	20.5	21.4	21.7
x=4H y=6H	20.7	21.4	21.1	21.8	22.2	20.6	21.3	21.0	21.7	22.1
x=4H y=8H	20.8	21.5	21.2	21.9	22.3	20.7	21.4	21.1	21.8	22.2
x=4H y=12H	20.9	21.5	21.3	21.9	22.3	20.8	21.4	21.2	21.8	22.2
x=8H y=4H	20.4	21.1	20.9	21.5	21.9	20.4	21.1	20.8	21.5	21.9
x=8H y=6H	21.0	21.6	21.5	22.0	22.5	20.9	21.5	21.4	21.9	22.4
x=8H y=8H	21.2	21.7	21.7	22.1	22.6	21.1	21.6	21.6	22.1	22.5
x=8H y=12H	21.3	21.8	21.8	22.2	22.7	21.2	21.7	21.7	22.1	22.6
x=12H y=4H	20.4	21.1	20.9	21.5	21.9	20.4	21.0	20.8	21.4	21.9
x=12H y=6H	21.0	21.5	21.5	22.0	22.5	21.0	21.5	21.5	21.9	22.4
x=12H y=8H	21.3	21.7	21.8	22.2	22.7	21.2	21.6	21.7	22.1	22.6

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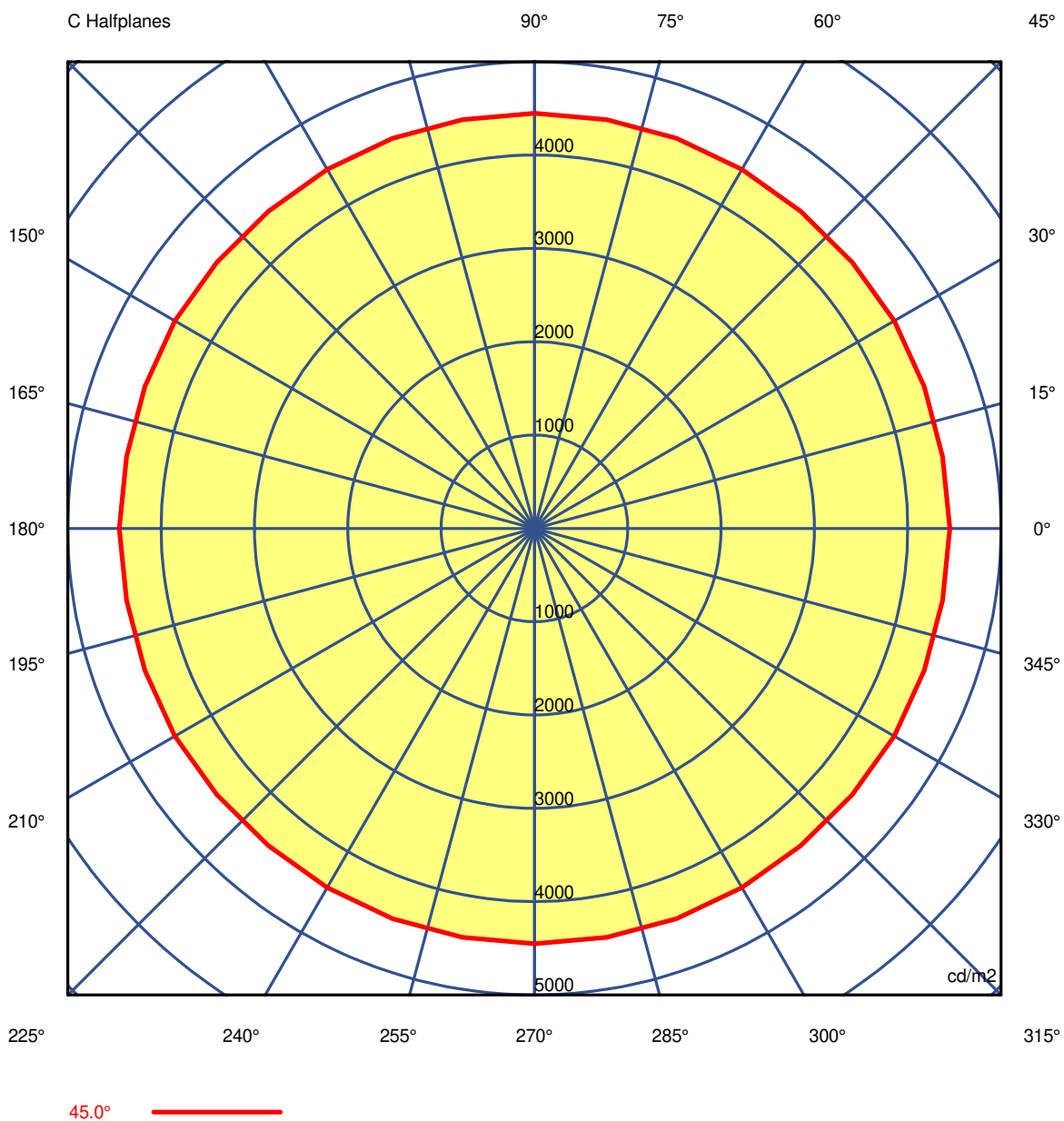
**Measurem.**

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Luminaire Flux	9220 lm	Luminaire Power	64.9 W	Efficacy	142.023 lm/W	Efficiency	78.59%
Source Flux	11732 lm	Maximum value	289.70 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



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Luminaire Flux	9220 lm		Luminaire Power		64.9 W		Efficacy		142.023 lm/W		Efficiency		78.59%	
Source Flux	11732 lm		Maximum value		289.70 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	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	
G 5.0	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	
G 10.0	5519	5521	5523	5522	5521	5521	5522	5521	5521	5522	5521	5521	5522	
G 15.0	5410	5408	5410	5412	5411	5410	5410	5410	5410	5410	5410	5410	5410	
G 20.0	5284	5282	5282	5284	5284	5283	5282	5282	5282	5282	5282	5282	5282	
G 25.0	5136	5141	5143	5142	5141	5141	5142	5144	5144	5142	5144	5144	5142	
G 30.0	4983	4984	4987	4989	4987	4984	4985	4990	4995	4998	4995	4990	4985	
G 35.0	4818	4820	4820	4820	4827	4829	4825	4822	4823	4825	4823	4822	4825	
G 40.0	4639	4636	4640	4646	4640	4636	4639	4642	4641	4637	4641	4642	4639	
G 45.0	4450	4441	4445	4453	4443	4438	4445	4450	4450	4450	4450	4450	4445	
G 50.0	4226	4232	4227	4220	4233	4239	4231	4226	4227	4234	4227	4226	4231	
G 55.0	3994	3990	3987	3983	3978	3979	3986	3991	3991	3986	3991	3991	3986	
G 60.0	3713	3713	3715	3716	3711	3712	3720	3719	3714	3710	3714	3719	3720	
G 65.0	3399	3393	3394	3399	3397	3386	3378	3381	3379	3367	3379	3381	3378	
G 70.0	3050	3024	3016	3016	3004	3002	3008	2995	2987	2987	2987	2995	3008	
G 75.0	2583	2565	2553	2543	2530	2531	2538	2523	2505	2497	2505	2523	2538	
G 80.0	2016	1990	1984	1984	1947	1933	1946	1927	1906	1901	1906	1927	1946	
G 85.0	1253	1239	1236	1236	1212	1193	1182	1163	1156	1156	1156	1163	1182	
G 90.0	556	464	477	526	460	460	526	472	434	483	434	472	526	

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Source Flux		11732 lm		Maximum value		289.70 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	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691
G 5.0	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615
G 10.0	5521	5521	5522	5523	5521	5519	5521	5521	5523	5522	5521	5521	5522	5521	5521
G 15.0	5410	5411	5412	5410	5408	5410	5408	5410	5412	5411	5410	5410	5410	5410	5410
G 20.0	5283	5284	5284	5282	5282	5284	5282	5282	5284	5284	5283	5282	5282	5282	5282
G 25.0	5141	5141	5142	5143	5141	5136	5141	5143	5142	5141	5141	5142	5144	5144	5144
G 30.0	4984	4987	4989	4987	4984	4983	4984	4987	4989	4987	4984	4985	4990	4990	4990
G 35.0	4829	4827	4820	4820	4820	4818	4820	4820	4820	4827	4829	4825	4822	4822	4822
G 40.0	4636	4640	4646	4640	4636	4639	4636	4640	4646	4640	4636	4639	4642	4642	4642
G 45.0	4438	4443	4453	4445	4441	4450	4441	4445	4453	4443	4438	4445	4450	4450	4450
G 50.0	4239	4233	4220	4227	4232	4226	4232	4227	4220	4233	4239	4231	4226	4226	4226
G 55.0	3979	3978	3983	3987	3990	3994	3990	3987	3983	3978	3979	3986	3991	3991	3991
G 60.0	3712	3711	3716	3715	3713	3713	3713	3715	3716	3711	3712	3720	3719	3719	3719
G 65.0	3386	3397	3399	3394	3393	3399	3393	3394	3399	3397	3386	3378	3381	3381	3381
G 70.0	3002	3004	3016	3016	3024	3050	3024	3016	3016	3004	3002	3008	2995	2995	2995
G 75.0	2531	2530	2543	2553	2565	2583	2565	2553	2543	2530	2531	2538	2523	2523	2523
G 80.0	1933	1947	1984	1984	1990	2016	1990	1984	1984	1947	1933	1946	1927	1927	1927
G 85.0	1193	1212	1236	1236	1239	1253	1239	1236	1236	1212	1193	1182	1163	1163	1163
G 90.0	460	460	526	477	464	556	464	477	526	460	460	526	472	472	472

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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	5691	5691	5691	5691	5691	5691	5691	5691	5691	5691
G 5.0	5615	5615	5615	5615	5615	5615	5615	5615	5615	5615
G 10.0	5521	5522	5521	5521	5522	5521	5521	5522	5523	5521
G 15.0	5410	5410	5410	5410	5410	5410	5411	5412	5410	5408
G 20.0	5282	5282	5282	5282	5282	5283	5284	5284	5282	5282
G 25.0	5144	5142	5144	5144	5142	5141	5141	5142	5143	5141
G 30.0	4995	4998	4995	4990	4985	4984	4987	4989	4987	4984
G 35.0	4823	4825	4823	4822	4825	4829	4827	4820	4820	4820
G 40.0	4641	4637	4641	4642	4639	4636	4640	4646	4640	4636
G 45.0	4450	4450	4450	4450	4445	4438	4443	4453	4445	4441
G 50.0	4227	4234	4227	4226	4231	4239	4233	4220	4227	4232
G 55.0	3991	3986	3991	3991	3986	3979	3978	3983	3987	3990
G 60.0	3714	3710	3714	3719	3720	3712	3711	3716	3715	3713
G 65.0	3379	3367	3379	3381	3378	3386	3397	3399	3394	3393
G 70.0	2987	2987	2987	2995	3008	3002	3004	3016	3016	3024
G 75.0	2505	2497	2505	2523	2538	2531	2530	2543	2553	2565
G 80.0	1906	1901	1906	1927	1946	1933	1947	1984	1984	1990
G 85.0	1156	1156	1156	1163	1182	1193	1212	1236	1236	1239
G 90.0	434	483	434	472	526	460	460	526	477	464