

Luminaire

Code 90619L400
Name ROFY 85 D0400 LIGHT+ 840 HO

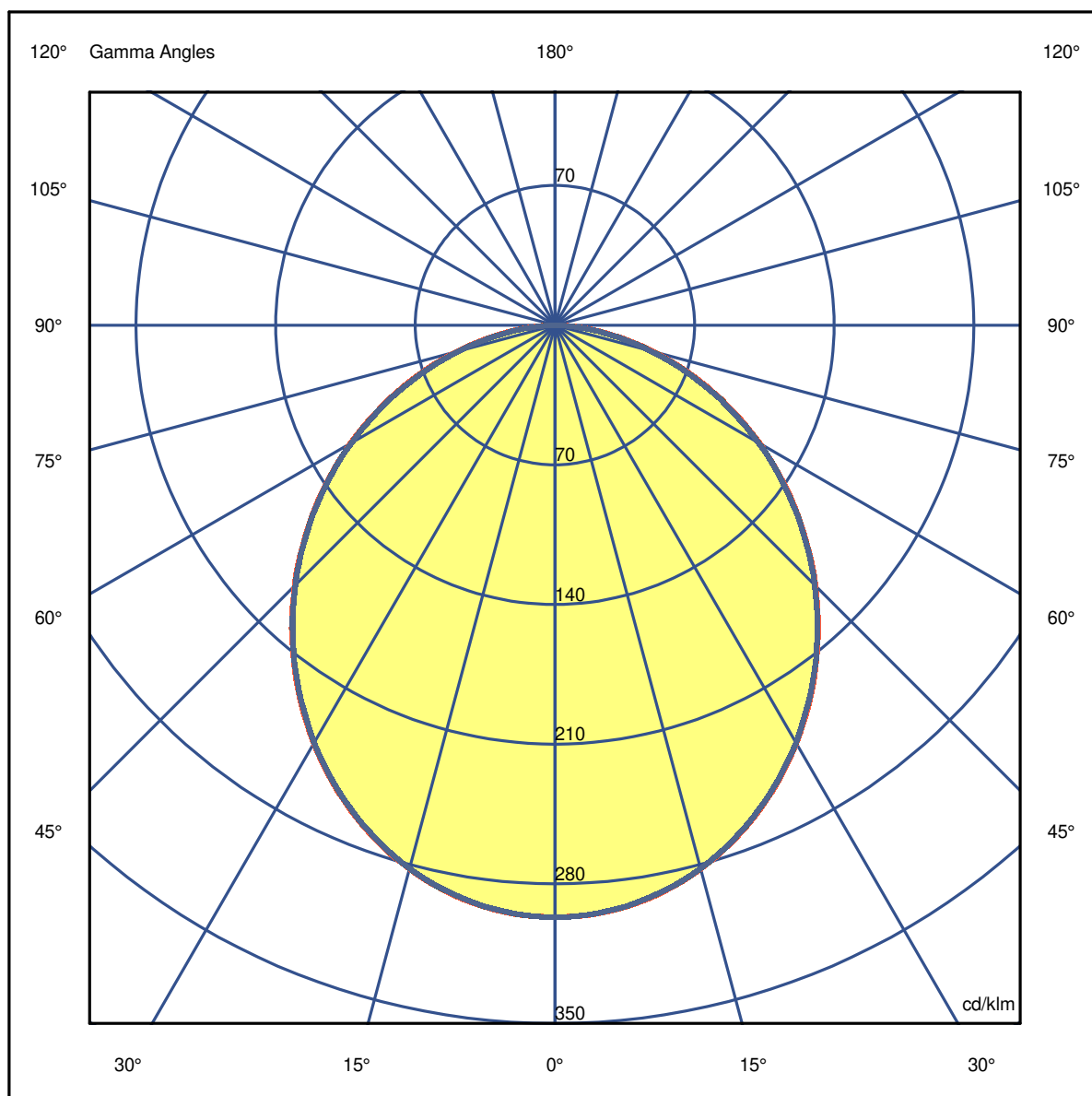
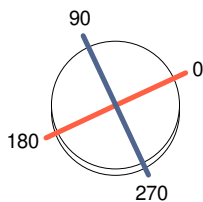
Measur.

Code 4/8/2023
Name ROFY 85 D0400 LIGHT+ 840 HO

Luminaire Flux	3410 lm	Luminaire Power	23.9 W	Efficacy	142.961 lm/W	Efficiency	79.57%
Source Flux	4285 lm	Maximum value	296.80 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=400mm

C Halfplanes



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Measurem.

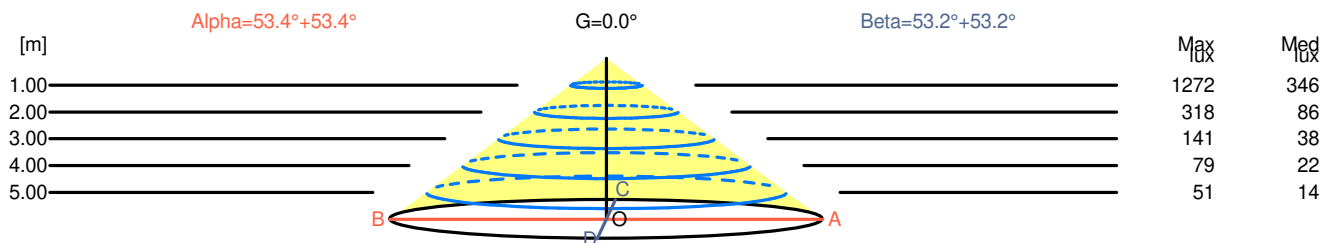
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Width at 50.00 % of Max Intensity

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	1271.79	1264.50	1208.37	1104.24	960.70	791.44	604.19	409.22	217.68	53.56
OB	1271.79	1264.50	1208.37	1104.24	960.70	791.44	604.19	409.22	217.68	53.56
OC	1271.79	1263.22	1207.51	1101.67	958.98	788.87	601.61	405.79	212.11	49.28
OD	1271.79	1263.22	1207.51	1101.67	958.98	788.87	601.61	405.79	212.11	49.28



H[m]	D[m]	Max lux	Med lux	Alpha=53.4°+53.4°	G=0.0
1.00	2.69	1272	346		
2.00	5.38	318	86		
3.00	8.07	141	38		
4.00	10.76	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	1272	346		
2.00	5.35	318	86		
3.00	8.02	141	38		
4.00	10.69	79	22		
5.00	13.36	51	14		

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Source Flux	4285 lm	Maximum value	296.80 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	20.7	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	20.9	22.0	21.2	22.3	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	21.6	22.5	22.8	21.1	22.1	21.5	22.4	22.8
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	20.1	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	22.8	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	23.3	23.7	22.1	22.8	22.6	23.2	23.6
x=8H y=4H	21.9	22.6	22.4	23.0	23.4	21.9	22.6	22.3	23.0	23.4
x=8H y=6H	22.4	22.9	22.9	23.4	23.8	22.3	22.9	22.8	23.3	23.8
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	23.0	23.4	21.9	22.5	22.3	22.9	23.3
x=12H y=6H	22.4	22.9	22.9	23.3	23.8	22.3	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

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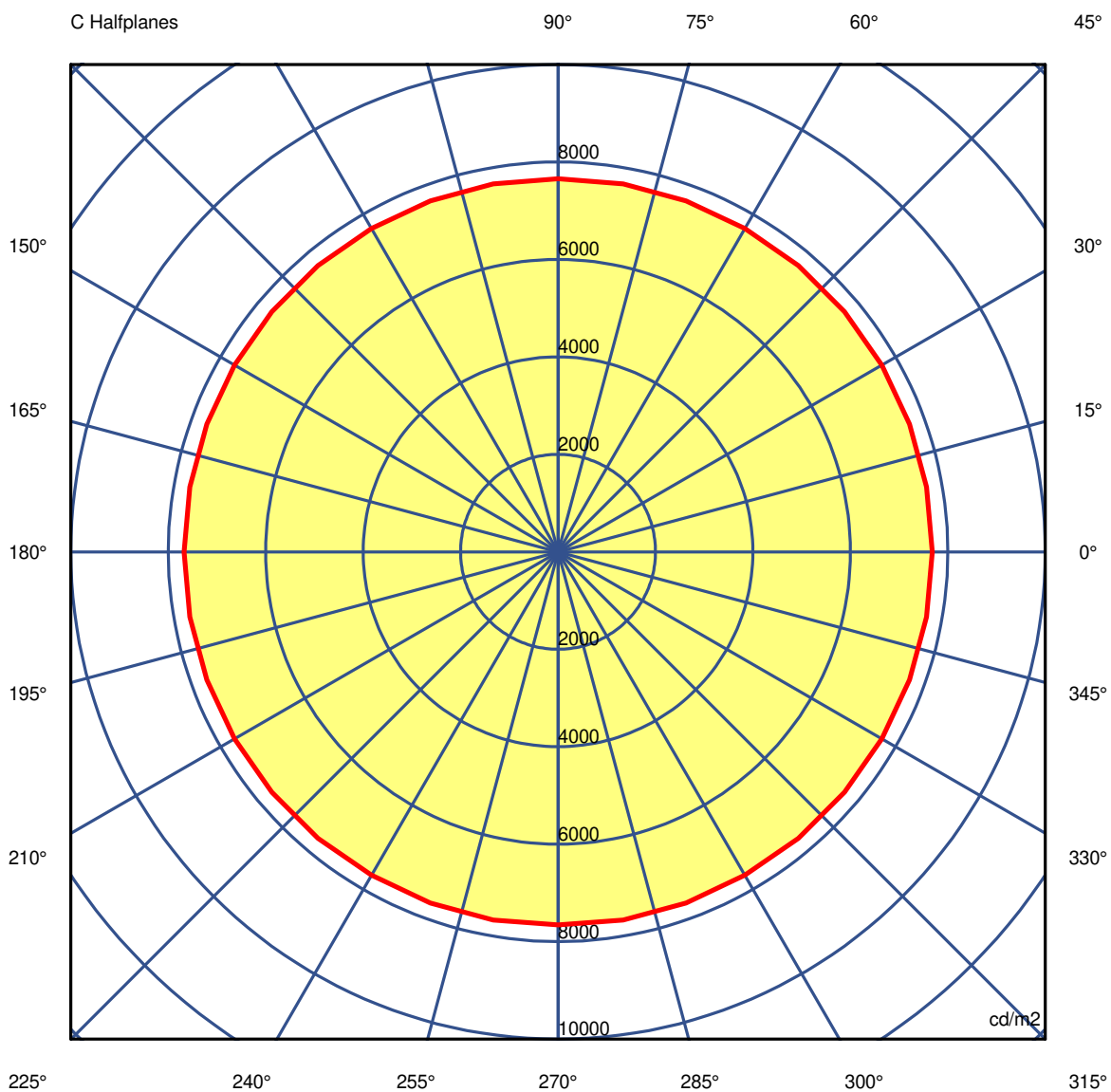
Measurem.

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Luminaire Flux	3410 lm	Luminaire Power	23.9 W	Efficacy	142.961 lm/W	Efficiency	79.57%
Source Flux	4285 lm	Maximum value	296.80 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Source Flux	4285 lm		Maximum value		296.80 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	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	
G 5.0	10920	10920	10920	10920	10923	10923	10920	10924	10921	10909	10921	10924	10920	
G 10.0	10601	10605	10603	10598	10599	10603	10605	10604	10597	10587	10597	10604	10605	
G 15.0	10249	10254	10257	10256	10253	10253	10256	10254	10249	10241	10249	10254	10256	
G 20.0	9880	9884	9882	9876	9876	9876	9876	9876	9873	9862	9873	9876	9876	
G 25.0	9484	9481	9480	9480	9480	9479	9476	9474	9470	9462	9470	9474	9476	
G 30.0	9063	9063	9062	9060	9063	9061	9056	9058	9059	9052	9059	9058	9056	
G 35.0	8622	8622	8620	8618	8618	8617	8614	8614	8612	8606	8612	8614	8614	
G 40.0	8161	8161	8158	8153	8155	8156	8153	8153	8150	8141	8150	8153	8153	
G 45.0	7681	7680	7674	7669	7673	7669	7661	7666	7667	7656	7667	7666	7661	
G 50.0	7162	7158	7159	7162	7157	7151	7149	7146	7142	7136	7142	7146	7149	
G 55.0	6602	6602	6600	6593	6588	6590	6593	6588	6580	6574	6580	6588	6593	
G 60.0	6002	5994	5990	5986	5979	5974	5971	5964	5959	5956	5959	5964	5971	
G 65.0	5301	5297	5293	5289	5286	5280	5273	5269	5264	5256	5264	5269	5273	
G 70.0	4524	4510	4504	4499	4483	4468	4462	4458	4453	4444	4453	4458	4462	
G 75.0	3595	3590	3585	3574	3550	3529	3517	3512	3508	3503	3508	3512	3517	
G 80.0	2529	2526	2514	2496	2481	2457	2429	2422	2417	2404	2417	2422	2429	
G 85.0	1273	1284	1277	1253	1233	1211	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		296.80 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	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214	
G 5.0	10923	10923	10920	10920	10920	10920	10920	10920	10920	10923	10923	10920	10924	
G 10.0	10603	10599	10598	10603	10605	10601	10605	10603	10598	10599	10603	10605	10604	
G 15.0	10253	10253	10256	10257	10254	10249	10254	10257	10256	10253	10253	10256	10254	
G 20.0	9876	9876	9876	9882	9884	9880	9884	9882	9876	9876	9876	9876	9876	
G 25.0	9479	9480	9480	9480	9481	9484	9481	9480	9480	9480	9479	9476	9474	
G 30.0	9061	9063	9060	9062	9063	9063	9063	9062	9060	9063	9061	9056	9058	
G 35.0	8617	8618	8618	8620	8622	8622	8622	8620	8618	8618	8617	8614	8614	
G 40.0	8156	8155	8153	8158	8161	8161	8161	8158	8153	8155	8156	8153	8153	
G 45.0	7669	7673	7669	7674	7680	7681	7680	7674	7669	7673	7669	7661	7666	
G 50.0	7151	7157	7162	7159	7158	7162	7158	7159	7162	7157	7151	7149	7146	
G 55.0	6590	6588	6593	6600	6602	6602	6602	6600	6593	6588	6590	6593	6588	
G 60.0	5974	5979	5986	5990	5994	6002	5994	5990	5986	5979	5974	5971	5964	
G 65.0	5280	5286	5289	5293	5297	5301	5297	5293	5289	5286	5280	5273	5269	
G 70.0	4468	4483	4499	4504	4510	4524	4510	4504	4499	4483	4468	4462	4458	
G 75.0	3529	3550	3574	3585	3590	3595	3590	3585	3574	3550	3529	3517	3512	
G 80.0	2457	2481	2496	2514	2526	2529	2526	2514	2496	2481	2457	2429	2422	
G 85.0	1211	1233	1253	1277	1284	1273	1284	1277	1253	1233	1211	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	11214	11214	11214	11214	11214	11214	11214	11214	11214	11214
G 5.0	10921	10909	10921	10924	10920	10923	10923	10920	10920	10920
G 10.0	10597	10587	10597	10604	10605	10603	10599	10598	10603	10605
G 15.0	10249	10241	10249	10254	10256	10253	10253	10256	10257	10254
G 20.0	9873	9862	9873	9876	9876	9876	9876	9876	9882	9884
G 25.0	9470	9462	9470	9474	9476	9479	9480	9480	9480	9481
G 30.0	9059	9052	9059	9058	9056	9061	9063	9060	9062	9063
G 35.0	8612	8606	8612	8614	8614	8617	8618	8618	8620	8622
G 40.0	8150	8141	8150	8153	8153	8156	8155	8153	8158	8161
G 45.0	7667	7656	7667	7666	7661	7669	7673	7669	7674	7680
G 50.0	7142	7136	7142	7146	7149	7151	7157	7162	7159	7158
G 55.0	6580	6574	6580	6588	6593	6590	6588	6593	6600	6602
G 60.0	5959	5956	5959	5964	5971	5974	5979	5986	5990	5994
G 65.0	5264	5256	5264	5269	5273	5280	5286	5289	5293	5297
G 70.0	4453	4444	4453	4458	4462	4468	4483	4499	4504	4510
G 75.0	3508	3503	3508	3512	3517	3529	3550	3574	3585	3590
G 80.0	2417	2404	2417	2422	2429	2457	2481	2496	2514	2526
G 85.0	1179	1172	1179	1184	1192	1211	1233	1253	1277	1284
G 90.0	146	146	146	146	146	146	146	146	146	149