

**Luminaire**

Code 90766L00H  
Name FESAL SQ IP Q105 PB TRANSP. 940 60° HO

**Measurem.**

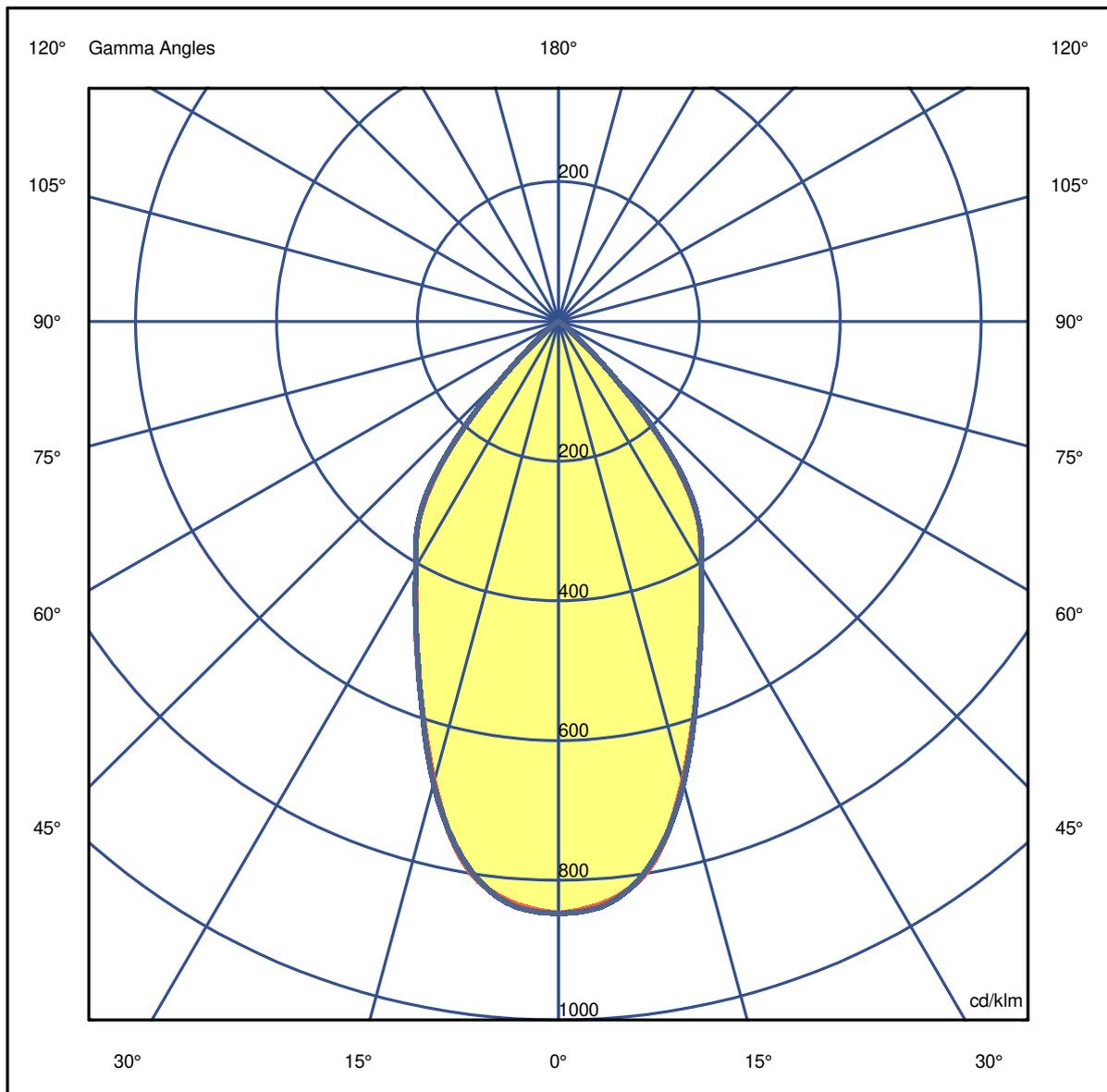
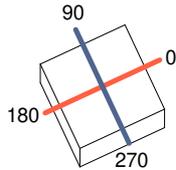
Code 45036  
Name FESAL SQ IP Q105 PB TRANSP. 940 60° HO

Luminaire Flux	1347 lm	Luminaire Power	11.8 W	Efficacy	114.518 lm/W	Efficiency	75.96%
Source Flux	1773 lm	Maximum value	847.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

105mm x 105mm

C Halfplanes

180.0 ———— 0.0  
270.0 ———— 90.0



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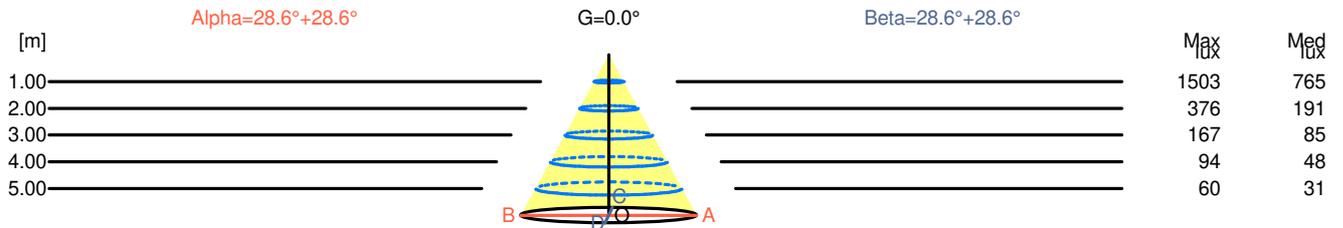
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Width at 50.00 % of Max Intensity

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	0.54	1.09	1.63	2.18	2.72	OC	0.55	1.09	1.64	2.18	2.73
OB	0.54	1.09	1.63	2.18	2.72	OD	0.55	1.09	1.64	2.18	2.73

	Luminous Intensities [ cd/klm ]									
	0	5	15	25	35	45	55	65	75	85
OA	1502.79	1475.67	1208.83	849.27	612.22	186.52	13.83	0.71	0.35	0.71
OB	1502.79	1475.67	1208.83	849.27	612.22	186.52	13.83	0.71	0.35	0.71
OC	1502.79	1481.52	1215.04	849.27	613.10	186.52	13.12	0.71	0.00	0.00
OD	1502.79	1481.52	1215.04	849.27	613.10	186.52	13.12	0.71	0.00	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=28.6°+28.6°	G=0.0	
1.00	1.09	1503	765			
2.00	2.18	376	191			
3.00	3.27	167	85			
4.00	4.35	94	48			
5.00	5.44	60	31			

H[m]	D[m]	Max lux	Med lux	Beta=28.6°+28.6°	G=0.0	
1.00	1.09	1503	765			
2.00	2.18	376	191			
3.00	3.28	167	85			
4.00	4.37	94	48			
5.00	5.46	60	31			

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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	22.5	23.2	22.7	23.4	23.6	22.5	23.2	22.7	23.4	23.6
x=2H y=3H	22.3	23.0	22.6	23.2	23.4	22.3	23.0	22.6	23.2	23.4
x=2H y=4H	22.2	22.8	22.5	23.1	23.3	22.2	22.9	22.6	23.1	23.4
x=2H y=6H	22.2	22.7	22.5	23.0	23.3	22.2	22.7	22.5	23.0	23.3
x=2H y=8H	22.1	22.7	22.5	23.0	23.3	22.1	22.7	22.5	23.0	23.3
x=2H y=12H	22.1	22.6	22.4	22.9	23.2	22.1	22.6	22.5	22.9	23.2
x=4H y=2H	22.2	22.8	22.5	23.1	23.3	22.3	22.9	22.6	23.1	23.4
x=4H y=3H	22.1	22.6	22.4	22.9	23.2	22.1	22.6	22.5	22.9	23.2
x=4H y=4H	22.0	22.4	22.4	22.8	23.1	22.0	22.5	22.4	22.8	23.1
x=4H y=6H	21.9	22.3	22.3	22.7	23.0	22.0	22.3	22.4	22.7	23.1
x=4H y=8H	21.9	22.2	22.3	22.6	23.0	21.9	22.2	22.3	22.6	23.0
x=4H y=12H	21.9	22.2	22.3	22.6	23.0	21.9	22.2	22.3	22.6	23.0
x=8H y=4H	21.9	22.2	22.3	22.6	23.0	21.9	22.2	22.3	22.6	23.0
x=8H y=6H	21.8	22.1	22.3	22.5	22.9	21.8	22.1	22.3	22.5	22.9
x=8H y=8H	21.8	22.0	22.2	22.4	22.9	21.8	22.0	22.3	22.5	22.9
x=8H y=12H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9
x=12H y=4H	21.9	22.1	22.3	22.6	23.0	21.9	22.2	22.3	22.6	23.0
x=12H y=6H	21.8	22.0	22.2	22.4	22.9	21.8	22.0	22.3	22.5	22.9
x=12H y=8H	21.7	21.9	22.2	22.4	22.9	21.7	21.9	22.2	22.4	22.9

**Luminaire**

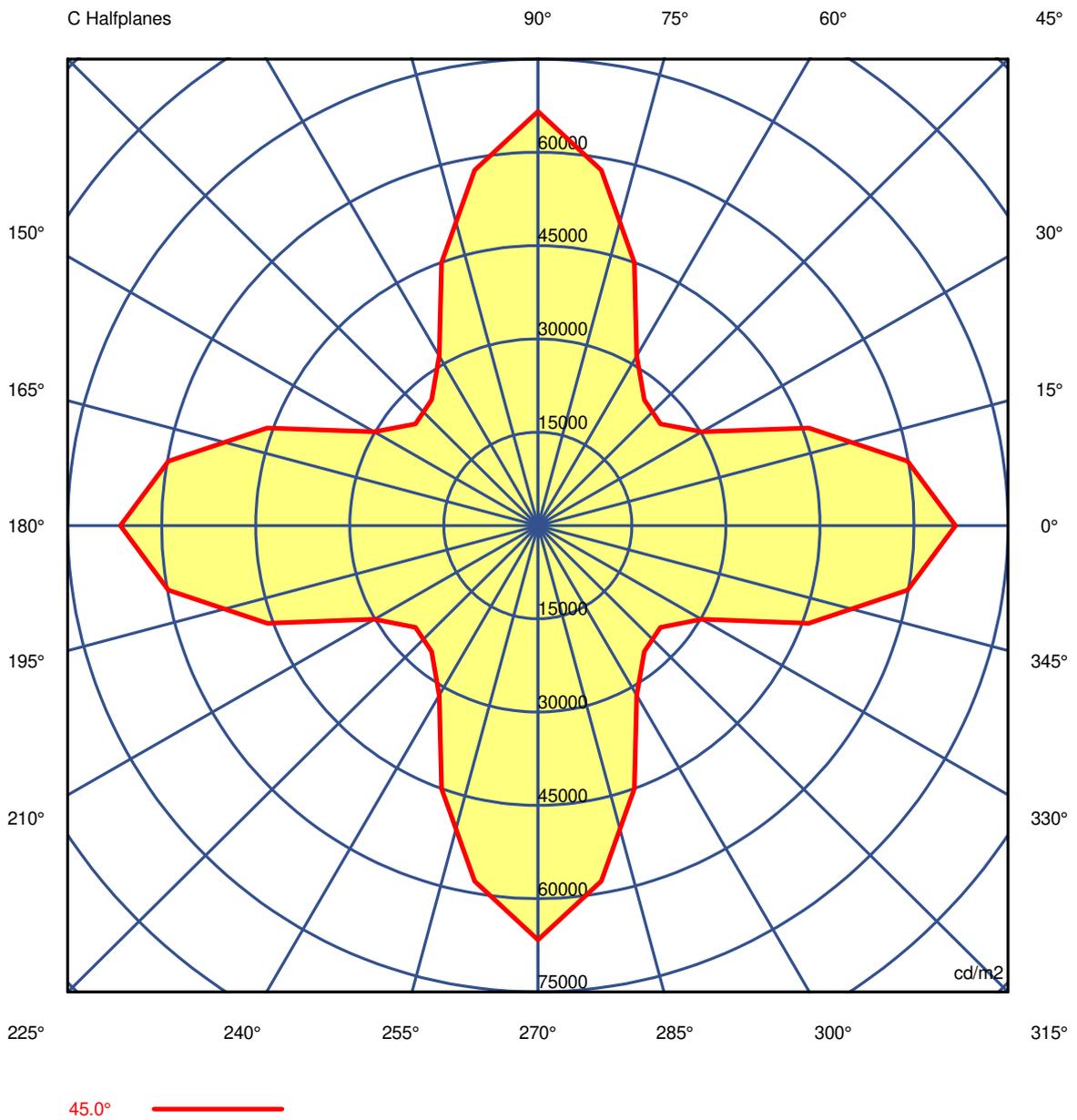
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**Measurem.**

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Luminaire Flux	1347 lm	Luminaire Power	11.8 W	Efficacy	114.518 lm/W	Efficiency	75.96%
Source Flux	1773 lm	Maximum value	847.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



**Luminaire**

Code 90766L00H  
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**Measurement**

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Luminaire Flux	1347 lm	Luminaire Power	11.8 W	Efficacy	114.518 lm/W	Efficiency	75.96%
Source Flux	1773 lm	Maximum value	847.60 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	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571
G 5.0	374143	374447	374584	374323	373790	374681	376301	375971	375746	375627	375746	375971	376301
G 10.0	356506	356305	356185	355960	355441	355442	355960	356114	355793	355187	355793	356114	355960
G 15.0	316093	316690	316819	316511	316316	316844	317716	317914	317799	317716	317799	317914	317716
G 20.0	272496	273137	273733	273783	272880	272704	273306	273119	272699	272496	272699	273119	273306
G 25.0	236680	236946	237332	237323	236373	236239	237026	237110	236858	236680	236858	237110	237026
G 30.0	209321	209717	209397	208286	207145	207464	208804	209261	209452	209889	209452	209261	208804
G 35.0	188771	186059	180920	173846	168429	168932	175377	183307	188034	189044	188034	183307	175377
G 40.0	141704	132603	116693	96164	81620	81378	95814	117062	133780	143399	133780	117062	95814
G 45.0	66624	59876	45939	30146	25482	26412	31539	45030	58037	66624	58037	45030	31539
G 50.0	18532	18253	17277	14839	12630	12455	14561	17452	19291	19786	19291	17452	14561
G 55.0	6090	5487	3856	1874	1285	1414	2030	3576	4974	5778	4974	3576	2030
G 60.0	717	717	694	627	563	518	537	662	717	717	717	662	537
G 65.0	424	424	424	424	424	424	424	424	424	424	424	424	424
G 70.0	524	524	524	524	524	524	524	424	407	524	407	424	524
G 75.0	346	346	346	346	463	545	519	424	245	0	245	424	519
G 80.0	516	682	872	1032	1061	980	774	422	141	0	141	422	774
G 85.0	2055	2055	2055	2055	2055	2055	2055	1430	658	0	658	1430	2055
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**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	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571
G 5.0	374681	373790	374323	374584	374447	374143	374447	374584	374323	373790	374681	376301	375971
G 10.0	355442	355441	355960	356185	356305	356506	356305	356185	355960	355441	355442	355960	356114
G 15.0	316844	316316	316511	316819	316690	316093	316690	316819	316511	316316	316844	317716	317914
G 20.0	272704	272880	273783	273733	273137	272496	273137	273733	273783	272880	272704	273306	273119
G 25.0	236239	236373	237323	237332	236946	236680	236946	237332	237323	236373	236239	237026	237110
G 30.0	207464	207145	208286	209397	209717	209321	209717	209397	208286	207145	207464	208804	209261
G 35.0	168932	168429	173846	180920	186059	188771	186059	180920	173846	168429	168932	175377	183307
G 40.0	81378	81620	96164	116693	132603	141704	132603	116693	96164	81620	81378	95814	117062
G 45.0	26412	25482	30146	45939	59876	66624	59876	45939	30146	25482	26412	31539	45030
G 50.0	12455	12630	14839	17277	18253	18532	18253	17277	14839	12630	12455	14561	17452
G 55.0	1414	1285	1874	3856	5487	6090	5487	3856	1874	1285	1414	2030	3576
G 60.0	518	563	627	694	717	717	694	627	563	518	518	537	662
G 65.0	424	424	424	424	424	424	424	424	424	424	424	424	424
G 70.0	524	524	524	524	524	524	524	524	524	524	524	524	424
G 75.0	545	463	346	346	346	346	346	346	346	463	545	519	424
G 80.0	980	1061	1032	872	682	516	682	1032	1061	980	980	774	422
G 85.0	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	2055	1430
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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**Measur.**

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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	379571	379571	379571	379571	379571	379571	379571	379571	379571	379571
G 5.0	375746	375627	375746	375971	376301	374681	373790	374323	374584	374447
G 10.0	355793	355187	355793	356114	355960	355442	355441	355960	356185	356305
G 15.0	317799	317716	317799	317914	317716	316844	316316	316511	316819	316690
G 20.0	272699	272496	272699	273119	273306	272704	272880	273783	273733	273137
G 25.0	236858	236680	236858	237110	237026	236239	236373	237323	237332	236946
G 30.0	209452	209889	209452	209261	208804	207464	207145	208286	209397	209717
G 35.0	188034	189044	188034	183307	175377	168932	168429	173846	180920	186059
G 40.0	133780	143399	133780	117062	95814	81378	81620	96164	116693	132603
G 45.0	58037	66624	58037	45030	31539	26412	25482	30146	45939	59876
G 50.0	19291	19786	19291	17452	14561	12455	12630	14839	17277	18253
G 55.0	4974	5778	4974	3576	2030	1414	1285	1874	3856	5487
G 60.0	717	717	717	662	537	518	563	627	694	717
G 65.0	424	424	424	424	424	424	424	424	424	424
G 70.0	407	524	407	424	524	524	524	524	524	524
G 75.0	245	0	245	424	519	545	463	346	346	346
G 80.0	141	0	141	422	774	980	1061	1032	872	682
G 85.0	658	0	658	1430	2055	2055	2055	2055	2055	2055
G 90.0	0	0	0	0	0	0	0	0	0	0