

**Luminaire**

Code 90766L00H  
Name FESAL SQ IP Q105 PB TRANSP. 930 60° HO

**Measurem.**

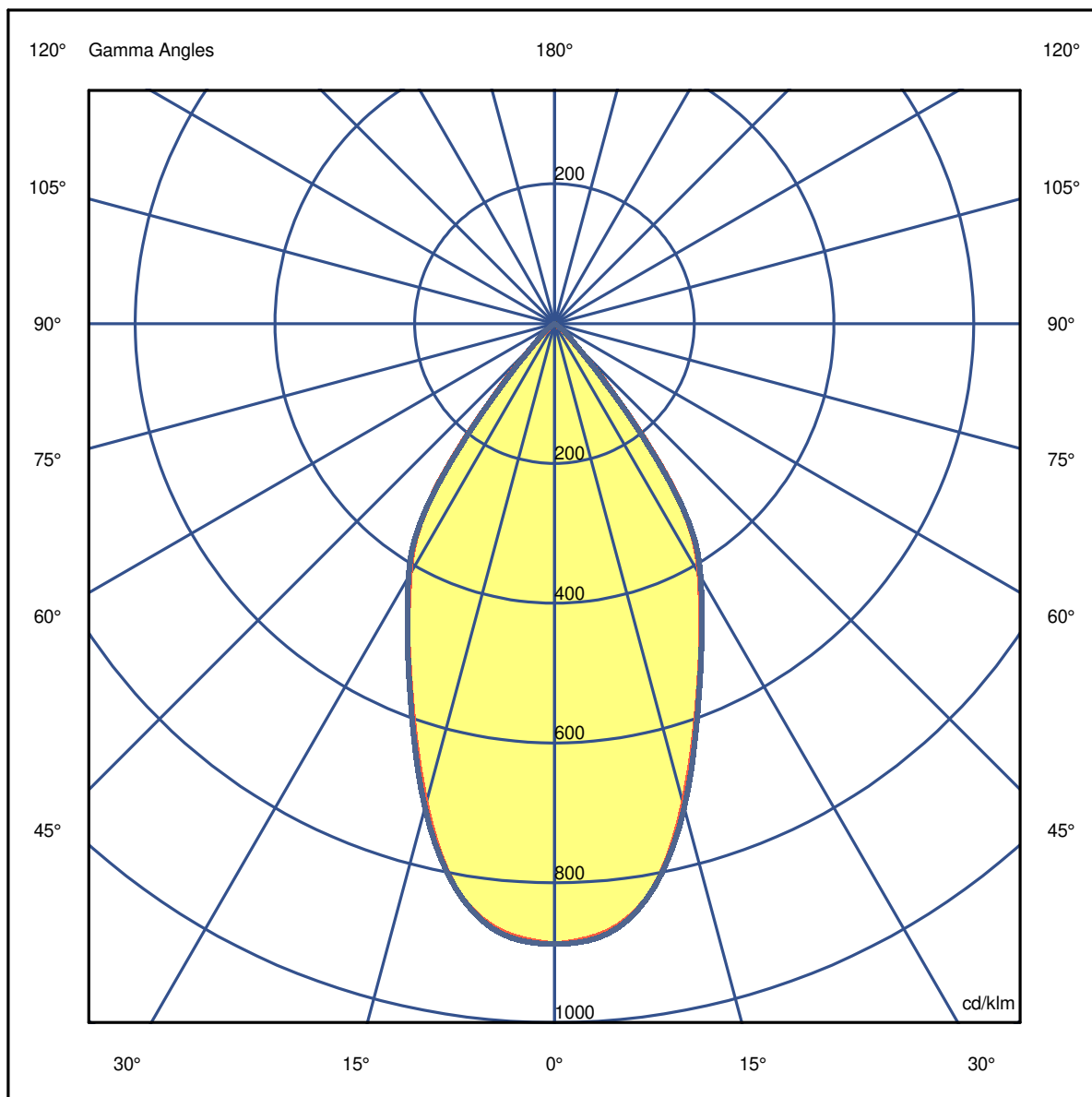
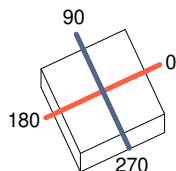
Code 45058  
Name FESAL SQ IP Q105 PB TRANSP. 930 60° HO

Luminaire Flux	1300 lm	Luminaire Power	11.8 W	Efficacy	110.566 lm/W	Efficiency	79.00%
Source Flux	1646 lm	Maximum value	887.90 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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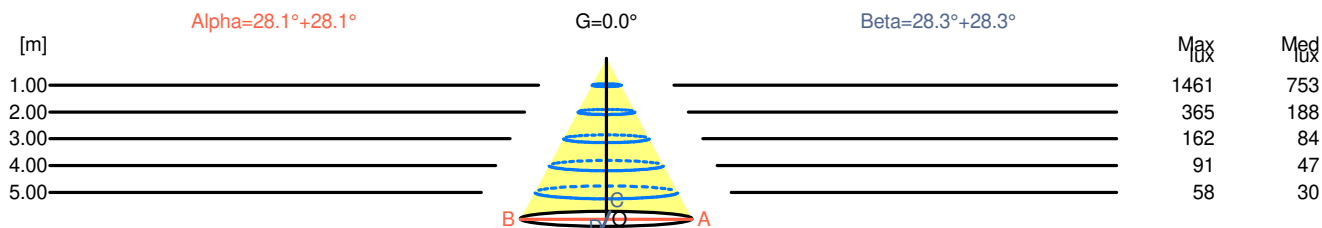
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Width at 50.00 % of Max Intensity

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	0.53	1.07	1.60	2.14	2.67	OC	0.54	1.08	1.62	2.15	2.69
OB	0.53	1.07	1.60	2.14	2.67	OD	0.54	1.08	1.62	2.15	2.69

	0	5	15	25	35	45	55	65	75	85
OA	1461.48	1436.63	1170.80	817.57	521.78	65.84	2.47	0.66	0.66	0.66
OB	1461.48	1436.63	1170.80	817.57	521.78	65.84	2.47	0.66	0.66	0.66
OC	1461.48	1441.73	1180.35	820.20	521.12	68.80	2.47	0.66	0.66	0.66
OD	1461.48	1441.73	1180.35	820.20	521.12	68.80	2.47	0.66	0.66	0.66



H[m]	D[m]	Max lux	Med lux	Alpha=28.1°+28.1°	G=0.0
1.00	1.07	1461	753		
2.00	2.14	365	188		
3.00	3.21	162	84		
4.00	4.27	91	47		
5.00	5.34	58	30		

H[m]	D[m]	Max lux	Med lux	Beta=28.3°+28.3°	G=0.0
1.00	1.08	1461	753		
2.00	2.15	365	188		
3.00	3.23	162	84		
4.00	4.31	91	47		
5.00	5.39	58	30		

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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	22.2	22.9	22.4	23.1	23.3	22.3	23.0	22.5	23.2	23.4
x=2H y=3H	22.1	22.7	22.4	23.0	23.2	22.1	22.8	22.4	23.0	23.2
x=2H y=4H	22.0	22.6	22.3	22.9	23.1	22.1	22.7	22.4	22.9	23.2
x=2H y=6H	21.9	22.5	22.3	22.8	23.1	22.0	22.5	22.3	22.8	23.1
x=2H y=8H	21.9	22.4	22.2	22.7	23.0	22.0	22.5	22.3	22.8	23.1
x=2H y=12H	21.9	22.4	22.2	22.7	23.0	21.9	22.4	22.3	22.7	23.0
x=4H y=2H	22.0	22.6	22.3	22.9	23.1	22.1	22.7	22.4	22.9	23.2
x=4H y=3H	21.9	22.4	22.2	22.7	23.0	21.9	22.4	22.3	22.7	23.0
x=4H y=4H	21.8	22.2	22.2	22.6	22.9	21.8	22.3	22.2	22.6	22.9
x=4H y=6H	21.7	22.1	22.1	22.4	22.8	21.8	22.1	22.2	22.5	22.9
x=4H y=8H	21.7	22.0	22.1	22.4	22.8	21.7	22.1	22.1	22.4	22.8
x=4H y=12H	21.6	21.9	22.1	22.3	22.7	21.7	22.0	22.1	22.4	22.8
x=8H y=4H	21.7	22.0	22.1	22.4	22.8	21.7	22.1	22.1	22.4	22.8
x=8H y=6H	21.6	21.8	22.0	22.3	22.7	21.6	21.9	22.1	22.3	22.8
x=8H y=8H	21.6	21.8	22.0	22.2	22.7	21.6	21.8	22.1	22.2	22.7
x=8H y=12H	21.5	21.7	22.0	22.1	22.6	21.6	21.7	22.0	22.2	22.7
x=12H y=4H	21.6	21.9	22.1	22.3	22.7	21.7	22.0	22.1	22.4	22.8
x=12H y=6H	21.6	21.8	22.0	22.2	22.7	21.6	21.8	22.1	22.2	22.7
x=12H y=8H	21.5	21.7	22.0	22.1	22.6	21.5	21.7	22.0	22.2	22.7

**Luminaire**

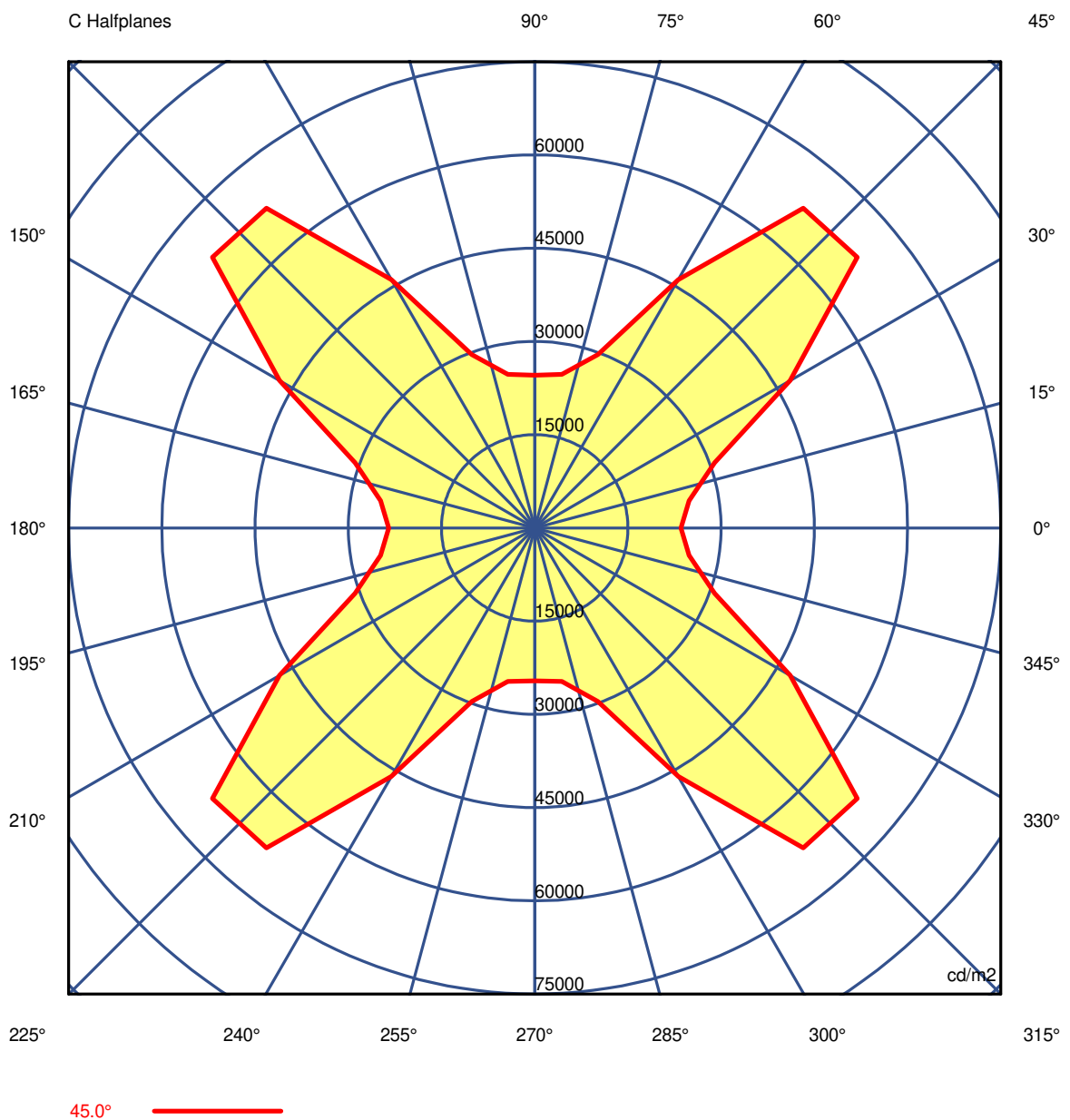
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**Measurem.**

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Luminaire Flux	1300 lm	Luminaire Power	11.8 W	Efficacy	110.566 lm/W	Efficiency	79.00%
Source Flux	1646 lm	Maximum value	887.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



**Luminaire**

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**Measurement**

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Name FESAL SQ IP Q105 PB TRANSP. 930 60° HO

Luminaire Flux		1300 lm		Luminaire Power		11.8 W		Efficacy		110.566 lm/W		Efficiency		79.00%	
Source Flux		1646 lm		Maximum value		887.90 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	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137
G 5.0	364245	364301	364459	364704	364712	364875	365205	365310	365379	365539	365379	365310	365205	364875	364712
G 10.0	345787	349807	349384	346125	346097	346139	346251	346145	345998	345787	345998	346145	346251	346139	346097
G 15.0	306149	306542	306587	306536	307005	307689	308085	307980	308084	308645	308084	307980	308085	307689	307005
G 20.0	262888	263177	262969	262755	263452	263728	263640	263829	264115	264259	264115	263829	263640	263728	263452
G 25.0	227846	228046	228034	227892	227901	227953	227984	228014	228164	228580	228164	228014	227984	227953	227901
G 30.0	198984	199811	200653	201336	201144	200387	200904	205951	206701	200616	206701	205951	200904	200387	201144
G 35.0	160886	166168	173346	179766	180240	180747	180020	173884	166579	160683	166579	173884	180020	180747	180240
G 40.0	74731	83153	101408	124878	137987	138447	125529	100684	81082	72072	81082	100684	125529	138447	137987
G 45.0	23518	25203	30782	47447	67736	67179	46154	29685	25086	24576	25086	29685	46154	67179	67736
G 50.0	10931	12846	14870	16881	18367	18234	16622	14916	13909	13582	13909	14916	16622	18234	18367
G 55.0	1087	1375	2135	3769	5955	5907	3624	1915	1203	1087	1203	1915	3624	5907	5955
G 60.0	499	552	615	665	665	665	665	615	552	499	552	615	665	665	665
G 65.0	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393
G 70.0	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
G 75.0	643	643	643	643	536	453	482	595	643	643	643	595	482	453	536
G 80.0	958	958	958	958	958	958	958	958	958	958	958	958	958	958	958
G 85.0	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Source Flux	1646 lm		Maximum value		887.90 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	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137	
G 5.0	364875	364712	364704	364459	364301	364245	364301	364459	364704	364712	364875	365205	365310	
G 10.0	346139	346097	346125	349384	349807	345787	349807	349384	346125	346097	346139	346251	346145	
G 15.0	307689	307005	306536	306587	306542	306149	306542	306587	306536	307005	307689	308085	307980	
G 20.0	263728	263452	262755	262969	263177	262888	263177	262969	262755	263452	263728	263640	263829	
G 25.0	227953	227901	227892	228034	228046	227846	228046	228034	227892	227901	227953	227984	228014	
G 30.0	200387	201144	201336	200653	199811	198984	199811	200653	201336	201144	200387	200904	205951	
G 35.0	180747	180240	179766	173346	166168	160886	166168	173346	179766	180240	180747	180020	173884	
G 40.0	138447	137987	124878	101408	83153	74731	83153	101408	124878	137987	138447	125529	100684	
G 45.0	67179	67736	47447	30782	25203	23518	25203	30782	47447	67736	67179	46154	29685	
G 50.0	18234	18367	16881	14870	12846	10931	12846	14870	16881	18367	18234	16622	14916	
G 55.0	5907	5955	3769	2135	1375	1087	1375	2135	3769	5955	5907	3624	1915	
G 60.0	665	665	665	615	552	499	552	615	665	665	665	665	615	
G 65.0	393	393	393	393	393	393	393	393	393	393	393	393	393	
G 70.0	486	486	486	486	486	486	486	486	486	486	486	486	486	
G 75.0	453	536	643	643	643	643	643	643	536	453	482	482	595	
G 80.0	958	958	958	958	958	958	958	958	958	958	958	958	958	
G 85.0	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908	
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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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	369137	369137	369137	369137	369137	369137	369137	369137	369137	369137
G 5.0	365379	365539	365379	365310	365205	364875	364712	364704	364459	364301
G 10.0	345998	345787	345998	346145	346251	346139	346097	346125	349384	349807
G 15.0	308084	308645	308084	307980	308085	307689	307005	306536	306587	306542
G 20.0	264115	264259	264115	263829	263640	263728	263452	262755	262969	263177
G 25.0	228164	228580	228164	228014	227984	227953	227901	227892	228034	228046
G 30.0	206701	200616	206701	205951	200904	200387	201144	201336	200653	199811
G 35.0	166579	160683	166579	173884	180020	180747	180240	179766	173346	166168
G 40.0	81082	72072	81082	100684	125529	138447	137987	124878	101408	83153
G 45.0	25086	24576	25086	29685	46154	67179	67736	47447	30782	25203
G 50.0	13909	13582	13909	14916	16622	18234	18367	16881	14870	12846
G 55.0	1203	1087	1203	1915	3624	5907	5955	3769	2135	1375
G 60.0	552	499	552	615	665	665	665	665	615	552
G 65.0	393	393	393	393	393	393	393	393	393	393
G 70.0	486	486	486	486	486	486	486	486	486	486
G 75.0	643	643	643	595	482	453	536	643	643	643
G 80.0	958	958	958	958	958	958	958	958	958	958
G 85.0	1908	1908	1908	1908	1908	1908	1908	1908	1908	1908
G 90.0	0	0	0	0	0	0	0	0	0	0