

**Luminaire**

Code 90019L00L  
Name FESAL D136 PB 940 35° LO

**Measurem.**

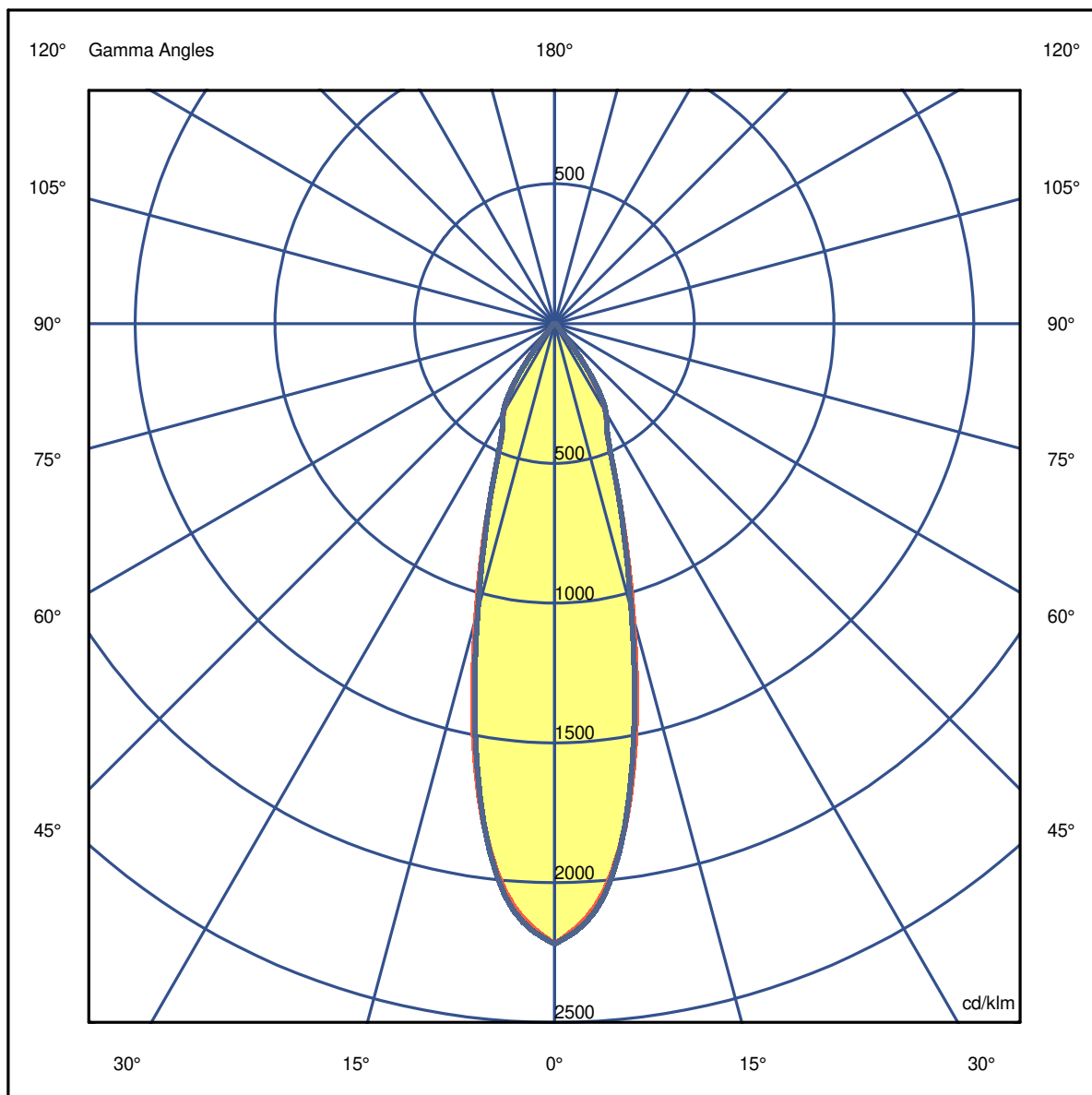
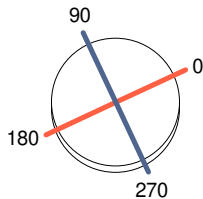
Code 26/4/2023  
Name FESAL D136 PB 940 35° LO

Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	2218.80 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=136mm

C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



**Luminaire**

Code 90019L00L  
Name FESAL D136 PB 940 35° LO

**Measurem.**

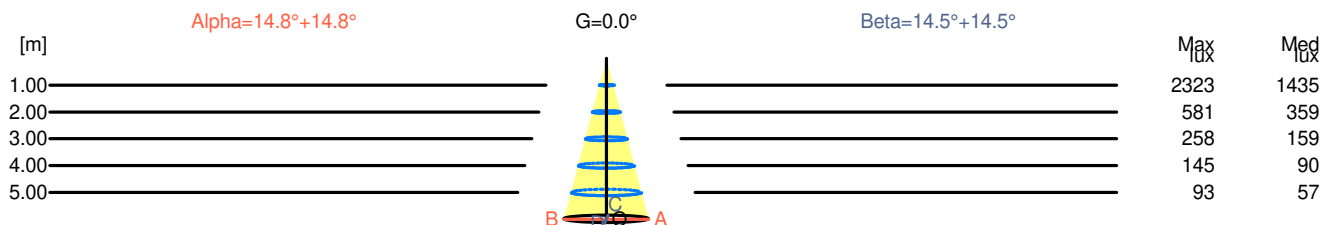
Code 26/4/2023  
Name FESAL D136 PB 940 35° LO

Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	2218.80 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.26	0.53	0.79	1.05	1.32	OC	0.26	0.52	0.78	1.04	1.30
OB	0.26	0.53	0.79	1.05	1.32	OD	0.26	0.52	0.78	1.04	1.30

	0	5	15	25	35	45	55	65	75	85
OA	2323.08	2134.10	1136.62	471.78	239.13	23.14	12.46	9.32	6.60	0.00
OB	2323.08	2134.10	1136.62	471.78	239.13	23.14	12.46	9.32	6.60	0.00
OC	2323.08	2148.86	1112.44	472.41	239.66	23.66	12.88	9.42	6.60	0.00
OD	2323.08	2148.86	1112.44	472.41	239.66	23.66	12.88	9.42	6.60	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=14.8°+14.8°	G=0.0
1.00	0.53	2323	1435		
2.00	1.05	581	359		
3.00	1.58	258	159		
4.00	2.11	145	90		
5.00	2.64	93	57		

H[m]	D[m]	Max lux	Med lux	Beta=14.5°+14.5°	G=0.0
1.00	0.52	2323	1435		
2.00	1.04	581	359		
3.00	1.56	258	159		
4.00	2.07	145	90		
5.00	2.59	93	57		

**Luminaire**

Code 90019L00L  
Name FESAL D136 PB 940 35° LO

**Measurem.**

Code 26/4/2023  
Name FESAL D136 PB 940 35° LO

Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	2218.80 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	12.6	13.2	12.8	13.4	13.6	12.6	13.3	12.9	13.5	13.7
x=2H y=3H	12.7	13.3	13.0	13.6	13.8	12.8	13.4	13.1	13.6	13.9
x=2H y=4H	12.9	13.5	13.2	13.7	14.0	13.0	13.5	13.3	13.8	14.1
x=2H y=6H	12.9	13.5	13.3	13.8	14.0	13.0	13.5	13.3	13.8	14.1
x=2H y=8H	12.9	13.4	13.2	13.7	14.0	12.9	13.5	13.3	13.8	14.1
x=2H y=12H	12.9	13.3	13.2	13.6	14.0	12.9	13.4	13.2	13.7	14.0
x=4H y=2H	12.5	13.1	12.8	13.3	13.6	12.6	13.1	12.9	13.4	13.7
x=4H y=3H	12.8	13.3	13.1	13.6	13.9	12.8	13.3	13.2	13.6	13.9
x=4H y=4H	13.1	13.5	13.5	13.8	14.2	13.1	13.6	13.5	13.9	14.2
x=4H y=6H	13.2	13.5	13.6	13.9	14.3	13.2	13.5	13.6	13.9	14.3
x=4H y=8H	13.2	13.5	13.6	13.8	14.2	13.2	13.5	13.6	13.9	14.3
x=4H y=12H	13.1	13.4	13.5	13.8	14.2	13.1	13.4	13.6	13.8	14.2
x=8H y=4H	13.1	13.5	13.6	13.8	14.2	13.2	13.5	13.6	13.9	14.3
x=8H y=6H	13.2	13.5	13.7	13.9	14.3	13.3	13.5	13.7	13.9	14.4
x=8H y=8H	13.2	13.4	13.7	13.8	14.3	13.2	13.4	13.7	13.9	14.3
x=8H y=12H	13.1	13.3	13.6	13.8	14.3	13.2	13.3	13.7	13.8	14.3
x=12H y=4H	13.1	13.4	13.5	13.8	14.2	13.2	13.4	13.6	13.8	14.3
x=12H y=6H	13.2	13.4	13.7	13.8	14.3	13.2	13.4	13.7	13.9	14.3
x=12H y=8H	13.2	13.3	13.6	13.8	14.3	13.2	13.3	13.7	13.8	14.3

**Luminaire**

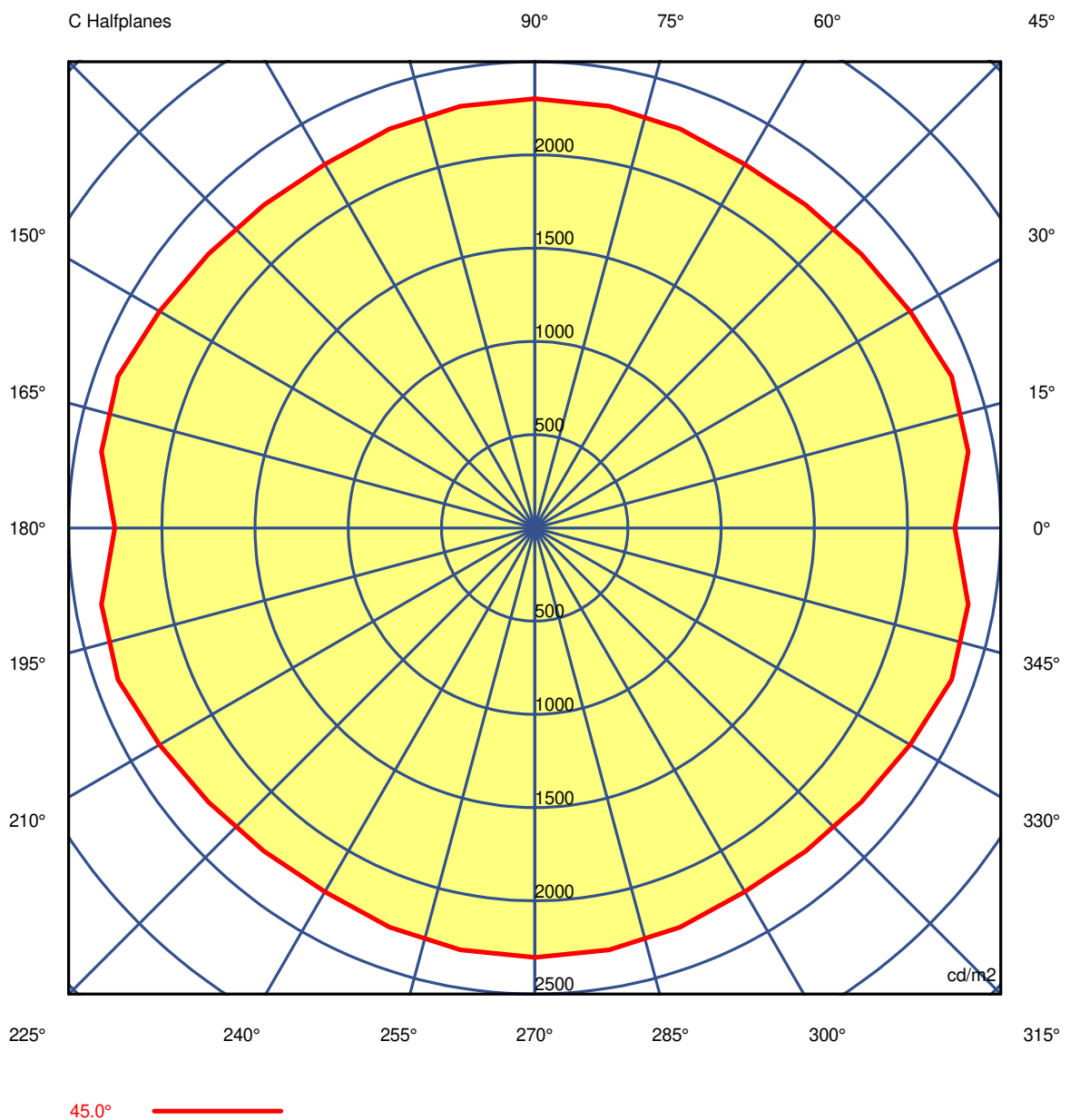
Code 90019L00L  
Name FESAL D136 PB 940 35° LO

**Measurem.**

Code 26/4/2023  
Name FESAL D136 PB 940 35° LO

Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	2218.80 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



**Luminaire**

Code 90019L00L  
Name FESAL D136 PB 940 35° LO

**Measurement**

Code 26/4/2023  
Name FESAL D136 PB 940 35° LO

Luminaire Flux		934 lm		Luminaire Power		6.5 W		Efficacy		142.812 lm/W		Efficiency		89.21%	
Source Flux		1047 lm		Maximum value		2218.80 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	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918
G 5.0	147470	148382	148554	148410	148983	149160	148714	148622	148564	148490	148564	148622	148714	148714	148714
G 10.0	118590	119157	119018	118547	118713	118636	118181	118103	117861	117215	117861	118103	118181	118181	118181
G 15.0	81004	81266	80844	80183	80283	80000	79377	79625	79754	79280	79754	79625	79377	79377	79377
G 20.0	52432	52831	52585	52056	52177	52229	52010	52082	52131	52064	52131	52082	52010	52010	52010
G 25.0	35834	36449	36300	35786	35965	35989	35667	35708	35849	35882	35849	35708	35667	35667	35667
G 30.0	30468	30261	30189	30252	30339	30433	30510	30535	30558	30601	30558	30535	30510	30510	30510
G 35.0	20096	20000	19941	19938	19979	20010	19990	19937	19979	20140	19979	19937	19990	19990	19990
G 40.0	5372	6225	6282	5777	5617	5393	5034	4992	5121	5259	5121	4992	5034	5034	5034
G 45.0	2253	2360	2379	2324	2286	2261	2253	2279	2297	2304	2297	2279	2253	2253	2253
G 50.0	1671	1694	1679	1648	1655	1654	1637	1649	1669	1682	1669	1649	1637	1637	1637
G 55.0	1495	1513	1527	1533	1528	1511	1495	1499	1519	1546	1519	1499	1495	1495	1495
G 60.0	1470	1484	1480	1470	1482	1478	1456	1451	1464	1485	1464	1451	1456	1456	1456
G 65.0	1518	1476	1470	1484	1469	1476	1501	1488	1492	1535	1492	1488	1501	1501	1501
G 70.0	1454	1485	1501	1496	1480	1475	1475	1443	1437	1475	1437	1443	1475	1475	1475
G 75.0	1754	1686	1674	1699	1699	1714	1754	1754	1754	1754	1754	1754	1754	1754	1754
G 80.0	291	674	702	540	653	674	498	421	415	415	415	421	498	498	498
G 85.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Luminaire**

Code 90019L00L  
Name FESAL D136 PB 940 35° LO

**Measurement**

Code 26/4/2023  
Name FESAL D136 PB 940 35° LO

Luminaire Flux		934 lm		Luminaire Power		6.5 W		Efficacy		142.812 lm/W		Efficiency		89.21%		
Source Flux		1047 lm		Maximum value		2218.80 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	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918
G 5.0	149160	148983	148410	148554	148382	147470	148382	148554	148410	148983	149160	148714	148622	148622	148622	148622
G 10.0	118636	118713	118547	119018	119157	118590	119157	119018	118547	118713	118636	118181	118103	118103	118103	118103
G 15.0	80000	80283	80183	80844	81266	81004	81266	80844	80183	80283	80000	79377	79625	79625	79625	79625
G 20.0	52229	52177	52056	52585	52831	52432	52831	52585	52056	52177	52229	52010	52082	52082	52082	52082
G 25.0	35989	35965	35786	36300	36449	35834	36449	36300	35786	35965	35989	35667	35708	35708	35708	35708
G 30.0	30433	30339	30252	30189	30261	30468	30261	30189	30252	30339	30433	30510	30535	30535	30535	30535
G 35.0	20010	19979	19938	19941	20000	20096	20000	19941	19938	19979	20010	19990	19937	19937	19937	19937
G 40.0	5393	5617	5777	6282	6225	5372	6225	6282	5777	5617	5393	5034	4992	4992	4992	4992
G 45.0	2261	2286	2324	2379	2360	2253	2360	2379	2324	2286	2261	2253	2279	2279	2279	2279
G 50.0	1654	1655	1648	1679	1694	1671	1694	1679	1648	1655	1654	1637	1649	1649	1649	1649
G 55.0	1511	1528	1533	1527	1513	1495	1513	1527	1533	1528	1511	1495	1499	1499	1499	1499
G 60.0	1478	1482	1470	1480	1484	1470	1484	1480	1470	1482	1478	1456	1451	1451	1451	1451
G 65.0	1476	1469	1484	1470	1476	1518	1476	1470	1484	1469	1476	1501	1488	1488	1488	1488
G 70.0	1475	1480	1496	1501	1485	1454	1485	1501	1496	1480	1475	1475	1443	1443	1443	1443
G 75.0	1714	1699	1699	1674	1686	1754	1686	1674	1699	1699	1714	1754	1754	1754	1754	1754
G 80.0	674	653	540	702	674	291	674	702	540	653	674	498	421	421	421	421
G 85.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Luminaire**

Code 90019L00L

Name FESAL D136 PB 940 35° LO

**Measurem.**

Code 26/4/2023

Name FESAL D136 PB 940 35° LO

Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	2218.80 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**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	159918	159918	159918	159918	159918	159918	159918	159918	159918	159918
G 5.0	148564	148490	148564	148622	148714	149160	148983	148410	148554	148382
G 10.0	117861	117215	117861	118103	118181	118636	118713	118547	119018	119157
G 15.0	79754	79280	79754	79625	79377	80000	80283	80183	80844	81266
G 20.0	52131	52064	52131	52082	52010	52229	52177	52056	52585	52831
G 25.0	35849	35882	35849	35708	35667	35989	35965	35786	36300	36449
G 30.0	30558	30601	30558	30535	30510	30433	30339	30252	30189	30261
G 35.0	19979	20140	19979	19937	19990	20010	19979	19938	19941	20000
G 40.0	5121	5259	5121	4992	5034	5393	5617	5777	6282	6225
G 45.0	2297	2304	2297	2279	2253	2261	2286	2324	2379	2360
G 50.0	1669	1682	1669	1649	1637	1654	1655	1648	1679	1694
G 55.0	1519	1546	1519	1499	1495	1511	1528	1533	1527	1513
G 60.0	1464	1485	1464	1451	1456	1478	1482	1470	1480	1484
G 65.0	1492	1535	1492	1488	1501	1476	1469	1484	1470	1476
G 70.0	1437	1475	1437	1443	1475	1475	1480	1496	1501	1485
G 75.0	1754	1754	1754	1754	1754	1714	1699	1699	1674	1686
G 80.0	415	415	415	421	498	674	653	540	702	674
G 85.0	0	0	0	0	0	0	0	0	0	0
G 90.0	0	0	0	0	0	0	0	0	0	0