

Luminaire

Code 90703L002

Name ELI 50 SPOT /E 2 PB 930 50° LO

Measurem.

Code 1/6/2022

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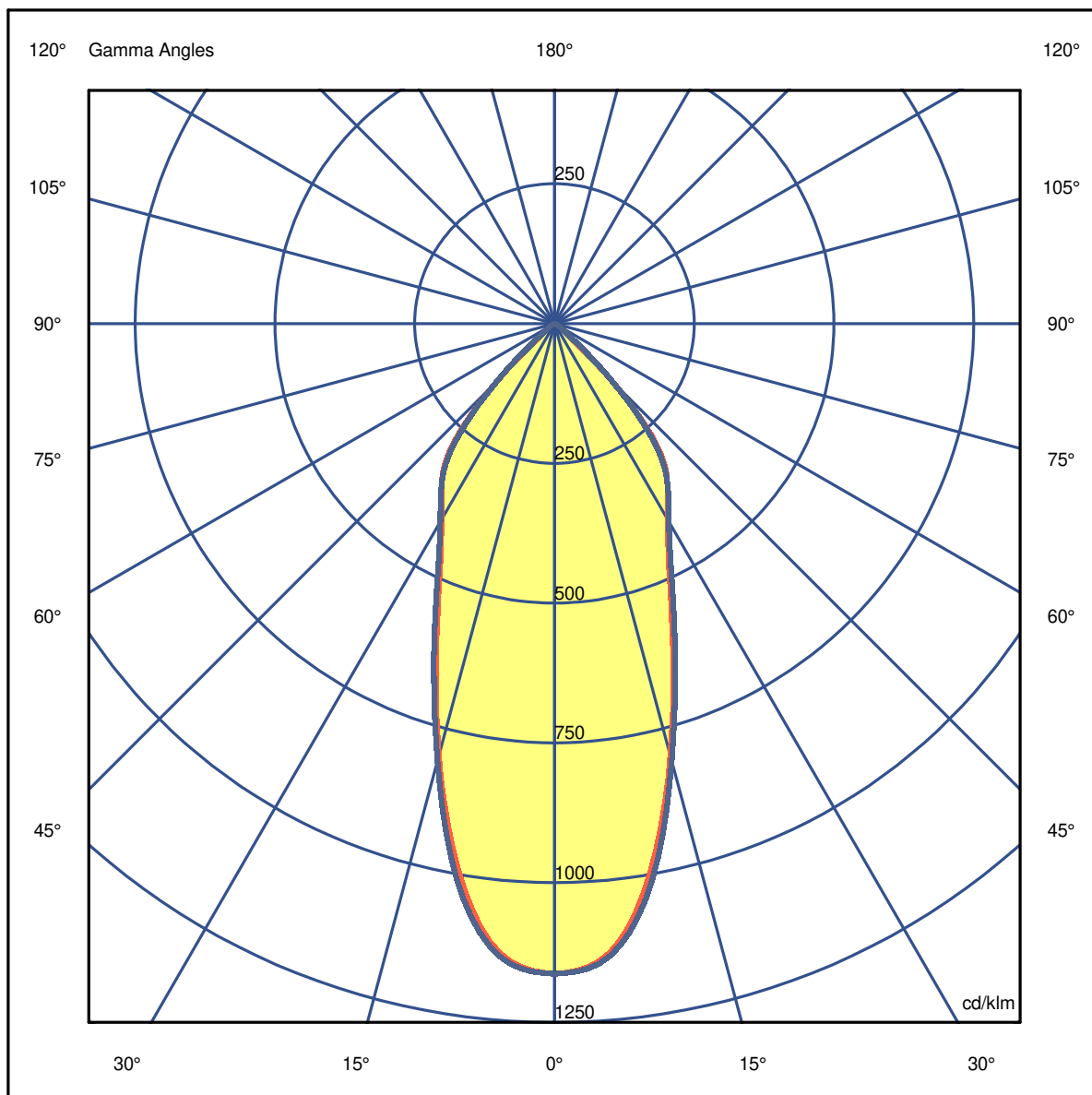
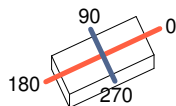
Luminaire Flux	1369 lm	Luminaire Power	10.0 W	Efficacy	136.612 lm/W	Efficiency	91.38%
Source Flux	1498 lm	Maximum value	1163.20 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

50mm x 110mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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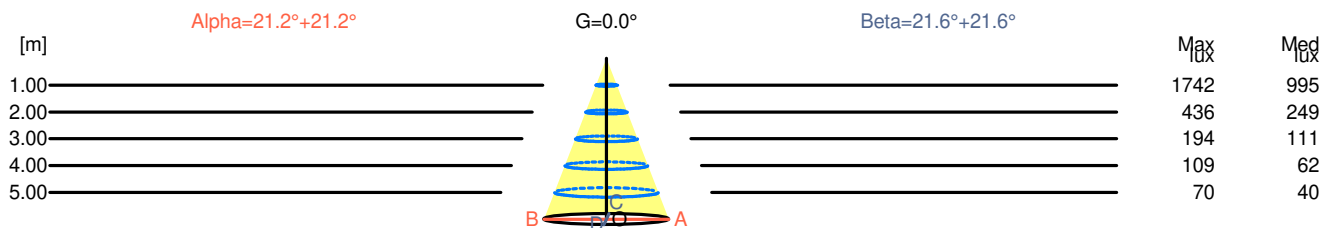
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Width at 50.00 % of Max Intensity

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	0.39	0.78	1.17	1.55	1.94	OC	0.40	0.79	1.19	1.59	1.98
OB	0.39	0.78	1.17	1.55	1.94	OD	0.40	0.79	1.19	1.59	1.98

	0	5	15	25	35	45	55	65	75	85
OA	1742.47	1692.14	1198.55	726.23	526.70	218.11	20.67	7.64	2.10	0.75
OB	1742.47	1692.14	1198.55	726.23	526.70	218.11	20.67	7.64	2.10	0.75
OC	1742.47	1701.13	1212.93	740.76	528.79	218.86	21.42	8.24	2.10	0.75
OD	1742.47	1701.13	1212.93	740.76	528.79	218.86	21.42	8.24	2.10	0.75



H[m]	D[m]	Max lux	Med lux	Alpha=21.2°+21.2°	G=0.0
1.00	0.78	1742	995		
2.00	1.55	436	249		
3.00	2.33	194	111		
4.00	3.11	109	62		
5.00	3.88	70	40		

H[m]	D[m]	Max lux	Med lux	Beta=21.6°+21.6°	G=0.0
1.00	0.79	1742	995		
2.00	1.59	436	249		
3.00	2.38	194	111		
4.00	3.17	109	62		
5.00	3.97	70	40		

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Source Flux	1498 lm	Maximum value	1163.20 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	20.1	20.9	20.4	21.1	21.3	19.4	20.2	19.7	20.4	20.6
x=2H y=3H	20.0	20.7	20.3	20.9	21.1	19.3	20.0	19.6	20.2	20.5
x=2H y=4H	19.9	20.6	20.2	20.8	21.1	19.2	19.9	19.5	20.1	20.4
x=2H y=6H	19.8	20.4	20.1	20.7	21.0	19.1	19.7	19.5	20.0	20.3
x=2H y=8H	19.8	20.4	20.1	20.7	21.0	19.1	19.7	19.4	20.0	20.3
x=2H y=12H	19.8	20.3	20.1	20.6	20.9	19.1	19.6	19.4	19.9	20.2
x=4H y=2H	19.9	20.6	20.2	20.8	21.1	19.2	19.9	19.5	20.1	20.4
x=4H y=3H	19.8	20.3	20.1	20.6	20.9	19.1	19.6	19.4	19.9	20.2
x=4H y=4H	19.7	20.2	20.1	20.5	20.8	19.0	19.5	19.4	19.8	20.2
x=4H y=6H	19.6	20.0	20.0	20.4	20.8	18.9	19.3	19.3	19.7	20.1
x=4H y=8H	19.6	19.9	20.0	20.3	20.7	18.9	19.3	19.3	19.6	20.0
x=4H y=12H	19.5	19.8	20.0	20.3	20.7	18.9	19.2	19.3	19.6	20.0
x=8H y=4H	19.6	19.9	20.0	20.3	20.7	18.9	19.3	19.3	19.6	20.0
x=8H y=6H	19.5	19.8	19.9	20.2	20.6	18.8	19.1	19.3	19.5	20.0
x=8H y=8H	19.4	19.7	19.9	20.1	20.6	18.8	19.0	19.2	19.4	19.9
x=8H y=12H	19.4	19.6	19.9	20.1	20.5	18.7	18.9	19.2	19.4	19.9
x=12H y=4H	19.5	19.8	20.0	20.3	20.7	18.9	19.2	19.3	19.6	20.0
x=12H y=6H	19.4	19.7	19.9	20.1	20.6	18.8	19.0	19.2	19.4	19.9
x=12H y=8H	19.4	19.6	19.9	20.1	20.5	18.7	18.9	19.2	19.4	19.9

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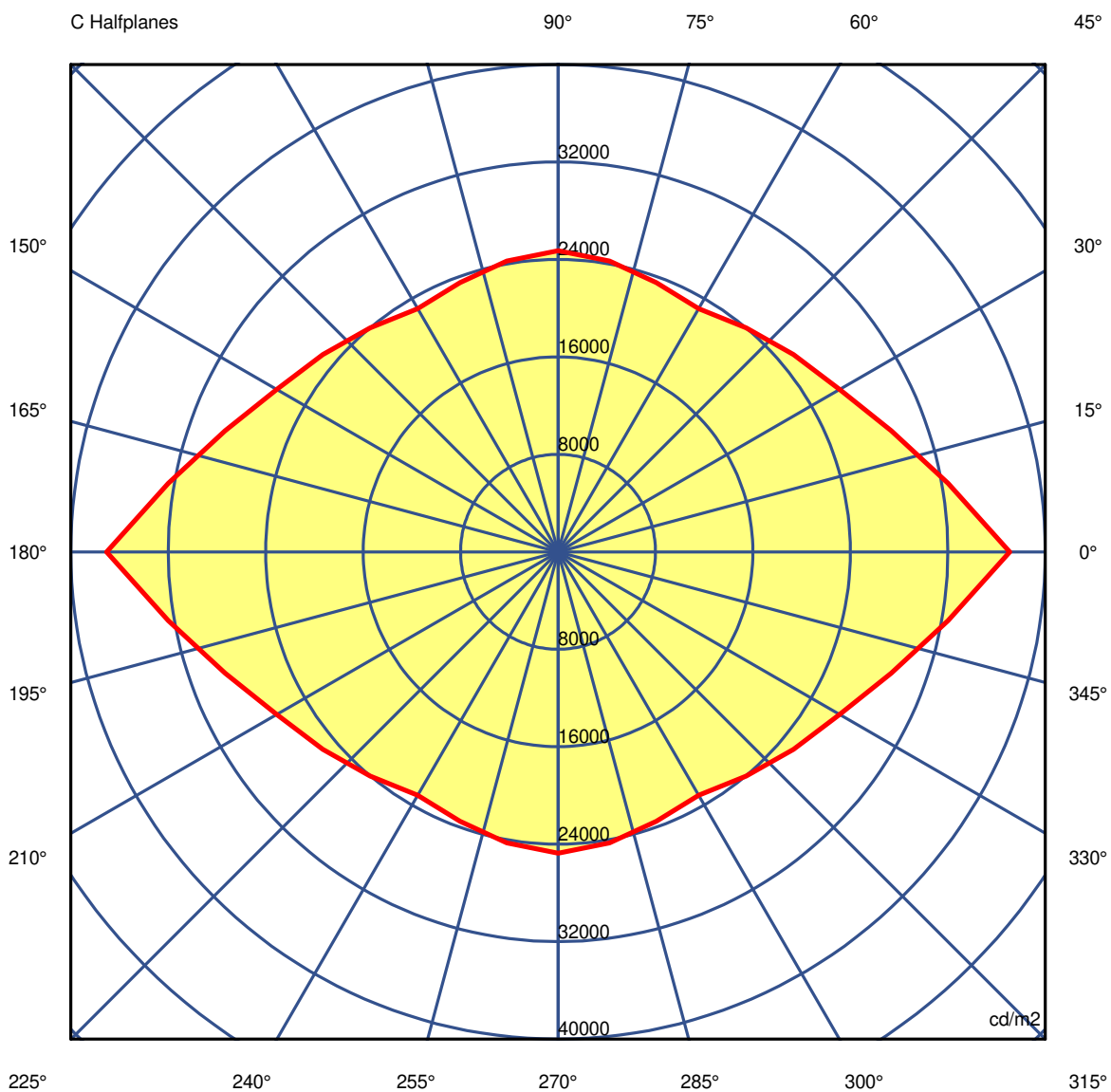
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Luminaire Flux	1369 lm	Luminaire Power	10.0 W	Efficacy	136.612 lm/W	Efficiency	91.38%
Source Flux	1498 lm	Maximum value	1163.20 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



Luminaire

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Luminaire Flux		1369 lm		Luminaire Power		10.0 W		Efficacy		136.612 lm/W		Efficiency		91.38%	
Source Flux		1498 lm		Maximum value		1163.20 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	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485
G 5.0	319476	313215	308215	304289	300877	298226	296689	296497	297766	300412	297766	296497	296689	296497	296689
G 10.0	269206	260052	252329	245962	240946	237557	235764	236371	238420	241569	238420	236371	235764	236371	235764
G 15.0	209935	198526	189542	182767	177844	174466	172753	173044	175001	178472	175001	173044	172753	173044	172753
G 20.0	158583	147922	139536	133104	128963	126117	124560	125035	126871	129790	126871	125035	124560	125035	124560
G 25.0	122092	112252	104775	99368	95775	93115	91480	91670	93231	95913	93231	91670	91480	91670	91480
G 30.0	101011	91462	84371	79340	76081	73736	72276	72304	73467	75601	73467	72304	72276	72304	72276
G 35.0	87687	78302	71430	66541	63348	61218	59998	59934	60890	62835	60890	59934	59998	59934	59998
G 40.0	71621	63030	56924	52506	49290	47277	46313	46100	46670	48119	46670	46100	46313	46100	46313
G 45.0	37078	32506	29099	26683	25211	24008	23067	23523	24240	24723	24240	23523	23067	23067	23067
G 50.0	7317	6403	5632	5081	5198	5084	4845	5275	5673	5995	5673	5275	4845	4845	4845
G 55.0	3705	3130	2755	2531	2422	2332	2244	2210	2253	2375	2253	2210	2244	2244	2244
G 60.0	2458	2045	1789	1639	1546	1480	1442	1438	1467	1531	1467	1438	1442	1442	1442
G 65.0	1496	1263	1095	980	933	883	836	852	883	924	883	852	836	836	836
G 70.0	872	741	636	530	438	435	480	463	456	479	456	463	480	480	480
G 75.0	468	369	310	273	250	223	196	216	234	246	234	216	196	196	196
G 80.0	182	140	131	142	130	122	118	118	112	91	112	118	118	118	118
G 85.0	202	151	123	107	50	47	88	87	90	95	90	87	88	88	88
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Source Flux	1498 lm	Maximum value		1163.20 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	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485
G 5.0	298226	300877	304289	308215	313215	319476	313215	308215	304289	300877	298226	296689	296497
G 10.0	237557	240946	245962	252329	260052	269206	260052	252329	245962	240946	237557	235764	236371
G 15.0	174466	177844	182767	189542	198526	209935	198526	189542	182767	177844	174466	172753	173044
G 20.0	126117	128963	133104	139536	147922	158583	147922	139536	133104	128963	126117	124560	125035
G 25.0	93115	95775	99368	104775	112252	122092	112252	104775	99368	95775	93115	91480	91670
G 30.0	73736	76081	79340	84371	91462	101011	91462	84371	79340	76081	73736	72276	72304
G 35.0	61218	63348	66541	71430	78302	87687	78302	71430	66541	63348	61218	59998	59934
G 40.0	47277	49290	52506	56924	63030	71621	63030	56924	52506	49290	47277	46313	46100
G 45.0	24008	25211	26683	29099	32506	37078	32506	29099	26683	25211	24008	23067	23523
G 50.0	5084	5198	5081	5632	6403	7317	6403	5632	5081	5198	5084	4845	5275
G 55.0	2332	2422	2531	2755	3130	3705	3130	2755	2531	2422	2332	2244	2210
G 60.0	1480	1546	1639	1789	2045	2458	2045	1789	1639	1546	1480	1442	1438
G 65.0	883	933	980	1095	1263	1496	1263	1095	980	933	883	836	852
G 70.0	435	438	530	636	741	872	741	636	530	438	435	480	463
G 75.0	223	250	273	310	369	468	369	310	273	250	223	196	216
G 80.0	122	130	142	131	140	182	140	131	142	130	122	118	118
G 85.0	47	50	107	123	151	202	151	123	107	50	47	88	87
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	346485	346485	346485	346485	346485	346485	346485	346485	346485	346485
G 5.0	297766	300412	297766	296497	296689	298226	300877	304289	308215	313215
G 10.0	238420	241569	238420	236371	235764	237557	240946	245962	252329	260052
G 15.0	175001	178472	175001	173044	172753	174466	177844	182767	189542	198526
G 20.0	126871	129790	126871	125035	124560	126117	128963	133104	139536	147922
G 25.0	93231	95913	93231	91670	91480	93115	95775	99368	104775	112252
G 30.0	73467	75601	73467	72304	72276	73736	76081	79340	84371	91462
G 35.0	60890	62835	60890	59934	59998	61218	63348	66541	71430	78302
G 40.0	46670	48119	46670	46100	46313	47277	49290	52506	56924	63030
G 45.0	24240	24723	24240	23523	23067	24008	25211	26683	29099	32506
G 50.0	5673	5995	5673	5275	4845	5084	5198	5081	5632	6403
G 55.0	2253	2375	2253	2210	2244	2332	2422	2531	2755	3130
G 60.0	1467	1531	1467	1438	1442	1480	1546	1639	1789	2045
G 65.0	883	924	883	852	836	883	933	980	1095	1263
G 70.0	456	479	456	463	480	435	438	530	636	741
G 75.0	234	246	234	216	196	223	250	273	310	369
G 80.0	112	91	112	118	118	122	130	142	131	140
G 85.0	90	95	90	87	88	47	50	107	123	151
G 90.0	0	0	0	0	0	0	0	0	0	0