

Luminaire

Code 90686L240

Name ELI 50 SQ L240 PB 940 50° HO

Measurem.

Code 1/6/2022

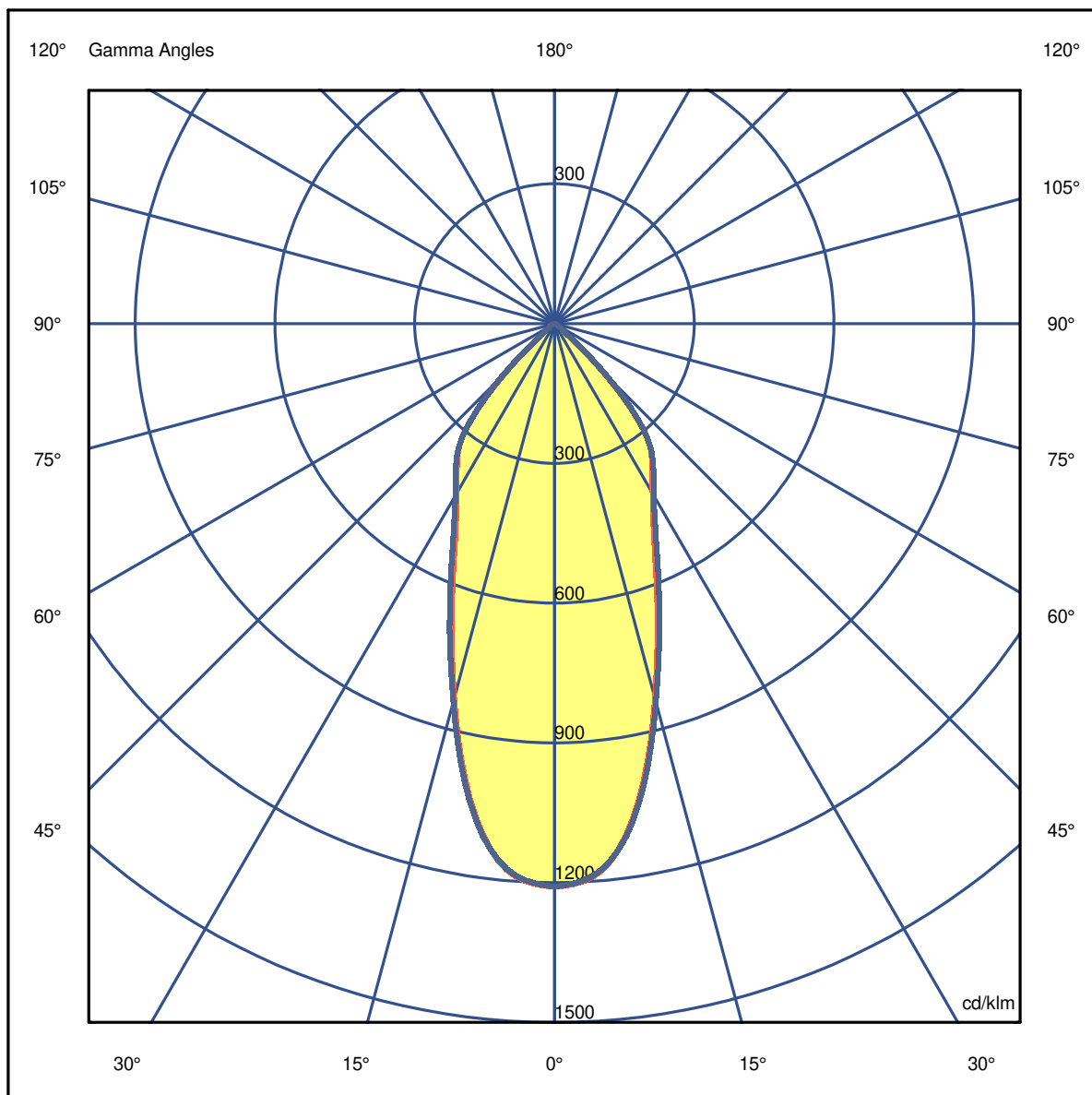
Name ELI 50 SQ L240 PB 940 50° HO

Luminaire Flux	1149 lm	Luminaire Power	10.8 W	Efficacy	106.507 lm/W	Efficiency	95.45%
Source Flux	1204 lm	Maximum value	1208.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

50mm x 50mm

C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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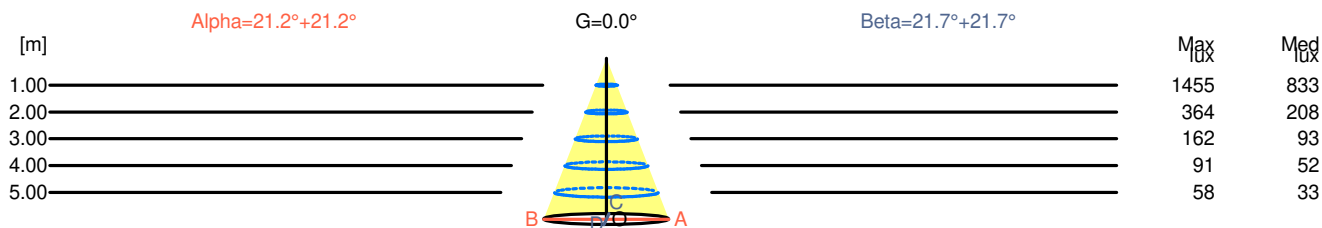
Name ELI 50 SQ L240 PB 940 50° HO

Luminaire Flux	1149 lm	Luminaire Power	10.8 W	Efficacy	106.507 lm/W	Efficiency	95.45%
Source Flux	1204 lm	Maximum value	1208.70 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	0.39	0.78	1.17	1.55	1.94	OC	0.40	0.80	1.20	1.59	1.99
OB	0.39	0.78	1.17	1.55	1.94	OD	0.40	0.80	1.20	1.59	1.99

	0	5	15	25	35	45	55	65	75	85
OA	1455.27	1416.99	1002.21	607.30	439.34	183.49	17.22	6.50	1.32	0.72
OB	1455.27	1416.99	1002.21	607.30	439.34	183.49	17.22	6.50	1.32	0.72
OC	1455.27	1414.46	1012.32	621.26	444.64	190.11	16.62	6.26	1.44	0.72
OD	1455.27	1414.46	1012.32	621.26	444.64	190.11	16.62	6.26	1.44	0.72



H[m]	D[m]	Max lux	Med lux	Alpha=21.2°+21.2°	G=0.0
1.00	0.78	1455	833		
2.00	1.55	364	208		
3.00	2.33	162	93		
4.00	3.11	91	52		
5.00	3.89	58	33		

H[m]	D[m]	Max lux	Med lux	Beta=21.7°+21.7°	G=0.0
1.00	0.80	1455	833		
2.00	1.59	364	208		
3.00	2.39	162	93		
4.00	3.19	91	52		
5.00	3.99	58	33		

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Luminaire Flux	1149 lm	Luminaire Power	10.8 W	Efficacy	106.507 lm/W	Efficiency	95.45%
Source Flux	1204 lm	Maximum value	1208.70 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	22.1	22.9	22.4	23.1	23.3	22.2	23.0	22.4	23.2	23.4
x=2H y=3H	22.0	22.7	22.3	22.9	23.2	22.1	22.8	22.4	23.0	23.2
x=2H y=4H	21.9	22.6	22.2	22.8	23.1	22.0	22.7	22.3	22.9	23.2
x=2H y=6H	21.9	22.5	22.2	22.7	23.0	21.9	22.5	22.3	22.8	23.1
x=2H y=8H	21.8	22.4	22.2	22.7	23.0	21.9	22.5	22.2	22.8	23.1
x=2H y=12H	21.8	22.3	22.1	22.6	23.0	21.9	22.4	22.2	22.7	23.0
x=4H y=2H	21.9	22.6	22.2	22.8	23.1	22.0	22.7	22.3	22.9	23.2
x=4H y=3H	21.8	22.3	22.2	22.7	23.0	21.9	22.4	22.2	22.7	23.0
x=4H y=4H	21.7	22.2	22.1	22.5	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	21.7	22.1	22.1	22.5	22.9
x=4H y=8H	21.6	22.0	22.0	22.4	22.8	21.7	22.0	22.1	22.4	22.8
x=4H y=12H	21.6	21.9	22.0	22.3	22.7	21.6	22.0	22.1	22.4	22.8
x=8H y=4H	21.6	22.0	22.0	22.4	22.8	21.7	22.0	22.1	22.4	22.8
x=8H y=6H	21.5	21.8	22.0	22.2	22.7	21.6	21.9	22.0	22.3	22.7
x=8H y=8H	21.5	21.7	21.9	22.2	22.6	21.6	21.8	22.0	22.2	22.7
x=8H y=12H	21.4	21.6	21.9	22.1	22.6	21.5	21.7	22.0	22.2	22.7
x=12H y=4H	21.6	21.9	22.0	22.3	22.7	21.6	22.0	22.1	22.4	22.8
x=12H y=6H	21.5	21.7	21.9	22.2	22.6	21.6	21.8	22.0	22.2	22.7
x=12H y=8H	21.4	21.6	21.9	22.1	22.6	21.5	21.7	22.0	22.2	22.7

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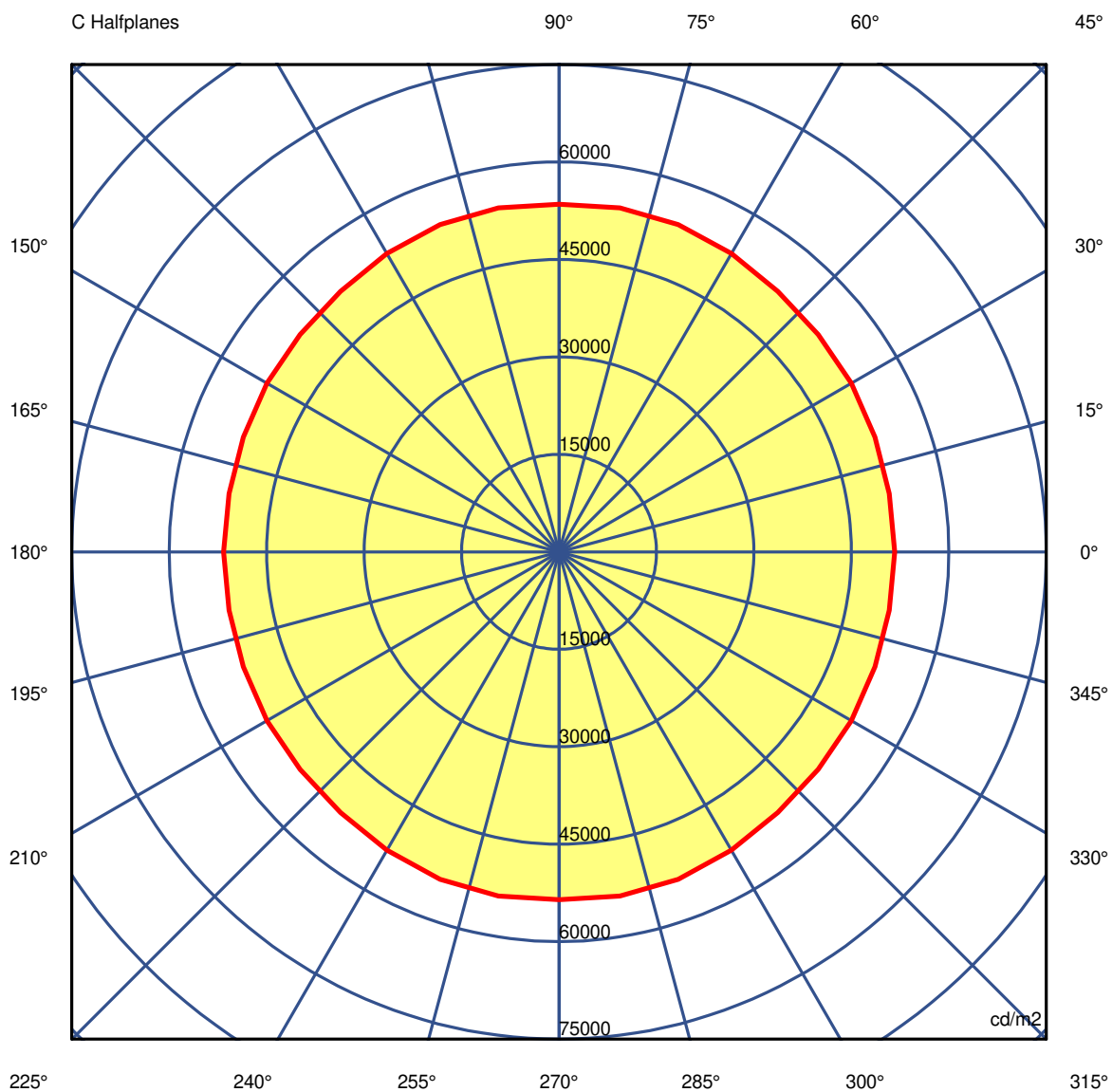
Measurem.

Code 1/6/2022

Name ELI 50 SQ L240 PB 940 50° HO

Luminaire Flux	1149 lm	Luminaire Power	10.8 W	Efficacy	106.507 lm/W	Efficiency	95.45%
Source Flux	1204 lm	Maximum value	1208.70 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

Luminaire

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Luminaire Flux		1149 lm		Luminaire Power		10.8 W		Efficacy		106.507 lm/W		Efficiency		95.45%	
Source Flux		1204 lm		Maximum value		1208.70 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	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802
G 5.0	703190	703492	704561	705401	704165	702527	701995	702596	702747	701935	702747	702596	701995	703190	703492
G 10.0	549061	549467	551494	553339	551564	549622	549642	550631	551444	551754	551444	550631	549642	549061	549467
G 15.0	396547	396896	398068	400263	400841	400337	400072	400838	401176	400548	401176	400838	400072	396547	396896
G 20.0	281342	281663	282446	284182	285808	286566	287066	288468	288904	287809	288904	288468	287066	281342	281663
G 25.0	204974	205136	205698	206884	207614	208098	208590	209076	209444	209688	209444	209076	208590	204974	205136
G 30.0	160737	160623	160913	161540	162056	162344	162497	162676	162838	162956	162838	162676	162497	160737	160623
G 35.0	132801	133021	133017	132947	133217	133721	134075	133973	134006	134403	134006	133973	134075	132801	133021
G 40.0	103660	103444	103465	103590	103490	103484	103625	103625	103648	103695	103648	103625	103625	103660	103444
G 45.0	51641	51573	51709	51946	52040	52374	53030	53626	53777	53505	53777	53626	53030	51641	51573
G 50.0	10134	10325	10349	10233	10166	10190	10267	10303	10178	9902	10178	10303	10267	10134	10325
G 55.0	4666	4835	5024	5155	5120	5081	5025	4788	4584	4503	4584	4788	5025	4666	4835
G 60.0	2980	3102	3258	3401	3432	3345	3175	2974	2808	2689	2808	2974	3175	2980	3102
G 65.0	1750	1788	1849	1912	1928	1881	1815	1793	1759	1685	1759	1793	1815	1750	1788
G 70.0	850	850	860	882	882	882	882	860	850	850	850	860	882	850	850
G 75.0	365	424	416	365	365	365	365	365	373	398	373	365	365	365	424
G 80.0	306	306	306	306	258	238	238	216	204	204	204	216	238	306	306
G 85.0	211	211	211	211	211	211	211	211	211	211	211	211	211	211	211
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Source Flux	1204 lm	Maximum value		1208.70 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	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802
G 5.0	702527	704165	705401	704561	703492	703190	703492	704561	705401	704165	702527	701995	702596
G 10.0	549622	551564	553339	551494	549467	549061	549467	551494	553339	551564	549622	549642	550631
G 15.0	400337	400841	400263	398068	396896	396547	396896	398068	400263	400841	400337	400072	400838
G 20.0	286566	285808	284182	282446	281663	281342	281663	282446	284182	285808	286566	287066	288468
G 25.0	208098	207614	206884	205698	205136	204974	205136	205698	206884	207614	208098	208590	209076
G 30.0	162344	162056	161540	160913	160623	160737	160623	160913	161540	162056	162344	162497	162676
G 35.0	133721	133217	132947	133017	133021	132801	133021	133017	132947	133217	133721	134075	133973
G 40.0	103484	103490	103590	103465	103444	103660	103444	103465	103590	103490	103484	103625	103625
G 45.0	52374	52040	51946	51709	51573	51641	51573	51709	51946	52040	52374	53030	53626
G 50.0	10190	10166	10233	10349	10325	10134	10325	10349	10233	10166	10190	10267	10303
G 55.0	5081	5120	5155	5024	4835	4666	4835	5024	5155	5120	5081	5025	4788
G 60.0	3345	3432	3401	3258	3102	2980	3102	3258	3401	3432	3345	3175	2974
G 65.0	1881	1928	1912	1849	1788	1750	1788	1849	1912	1928	1881	1815	1793
G 70.0	882	882	882	860	850	850	850	860	882	882	882	882	860
G 75.0	365	365	365	416	424	365	424	416	365	365	365	365	365
G 80.0	238	258	306	306	306	306	306	306	258	238	238	238	216
G 85.0	211	211	211	211	211	211	211	211	211	211	211	211	211
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Source Flux	1204 lm	Maximum value	1208.70 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	838802	838802	838802	838802	838802	838802	838802	838802	838802	838802
G 5.0	702747	701935	702747	702596	701995	702527	704165	705401	704561	703492
G 10.0	551444	551754	551444	550631	549642	549622	551564	553339	551494	549467
G 15.0	401176	400548	401176	400838	400072	400337	400841	400263	398068	396896
G 20.0	288904	287809	288904	288468	287066	286566	285808	284182	282446	281663
G 25.0	209444	209688	209444	209076	208590	208098	207614	206884	205698	205136
G 30.0	162838	162956	162838	162676	162497	162344	162056	161540	160913	160623
G 35.0	134006	134403	134006	133973	134075	133721	133217	132947	133017	133021
G 40.0	103648	103695	103648	103625	103625	103484	103490	103590	103465	103444
G 45.0	53777	53505	53777	53626	53030	52374	52040	51946	51709	51573
G 50.0	10178	9902	10178	10303	10267	10190	10166	10233	10349	10325
G 55.0	4584	4503	4584	4788	5025	5081	5120	5155	5024	4835
G 60.0	2808	2689	2808	2974	3175	3345	3432	3401	3258	3102
G 65.0	1759	1685	1759	1793	1815	1881	1928	1912	1849	1788
G 70.0	850	850	850	860	882	882	882	882	860	850
G 75.0	373	398	373	365	365	365	365	365	416	424
G 80.0	204	204	204	216	238	238	258	306	306	306
G 85.0	211	211	211	211	211	211	211	211	211	211
G 90.0	0	0	0	0	0	0	0	0	0	0