

Luminaire

Code 90686L240

Name ELI 50 SQ L240 PB 930 20° HO

Measurement

Code 1/6/2022

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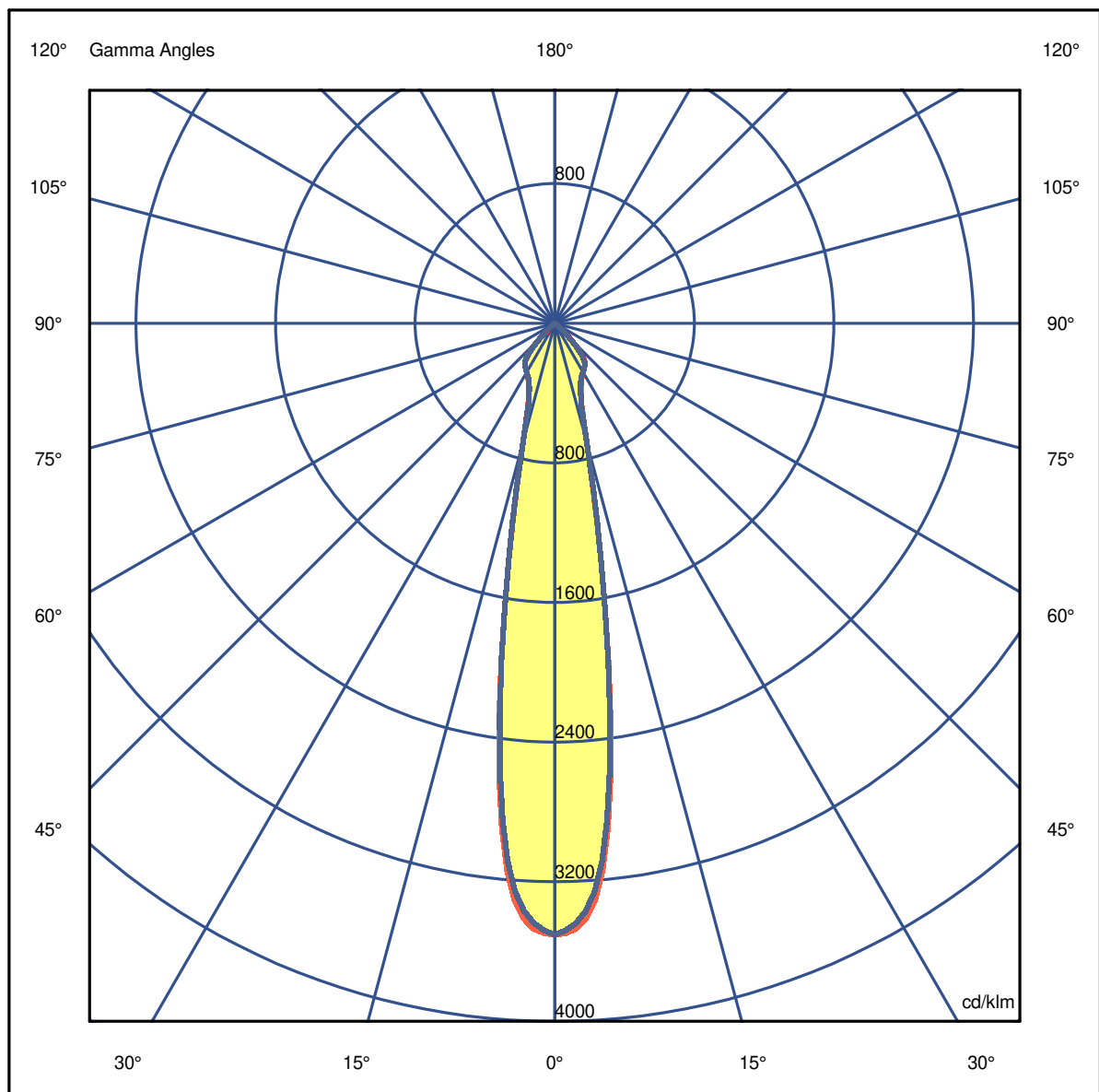
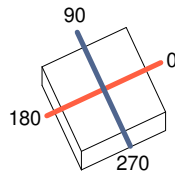
Luminaire Flux	1112 lm	Luminaire Power	10.8 W	Efficacy	103.055 lm/W	Efficiency	94.00%
Source Flux	1183 lm	Maximum value	3503.10 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

50mm x 50mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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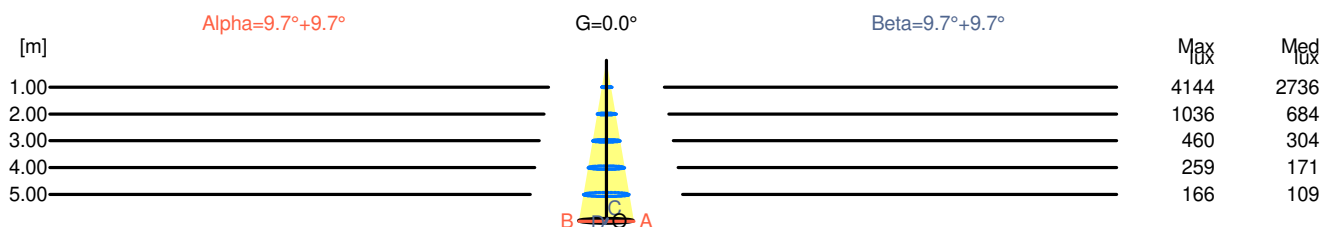
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Width at 50.00 % of Max Intensity

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	0.17	0.34	0.51	0.68	0.85	OC	0.17	0.34	0.51	0.68	0.85
OB	0.17	0.34	0.51	0.68	0.85	OD	0.17	0.34	0.51	0.68	0.85

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	4144.17	3722.07	835.79	424.46	352.42	142.31	4.14	1.77	0.71	0.71
OB	4144.17	3722.07	835.79	424.46	352.42	142.31	4.14	1.77	0.71	0.71
OC	4144.17	3660.68	833.42	421.50	350.52	138.77	4.14	1.77	1.06	0.35
OD	4144.17	3660.68	833.42	421.50	350.52	138.77	4.14	1.77	1.06	0.35



H[m]	D[m]	Max lux	Med lux	Alpha=9.7°+9.7°	G=0.0	
1.00	0.34	4144	2736			
2.00	0.68	1036	684			
3.00	1.02	460	304			
4.00	1.37	259	171			
5.00	1.71	166	109			

H[m]	D[m]	Max lux	Med lux	Beta=9.7°+9.7°	G=0.0	
1.00	0.34	4144	2736			
2.00	0.68	1036	684			
3.00	1.02	460	304			
4.00	1.36	259	171			
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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	20.6	21.4	20.9	21.6	21.8	20.6	21.4	20.9	21.6	21.8
x=2H y=3H	20.5	21.2	20.8	21.4	21.6	20.5	21.2	20.8	21.4	21.6
x=2H y=4H	20.4	21.1	20.7	21.3	21.6	20.4	21.0	20.7	21.3	21.6
x=2H y=6H	20.4	20.9	20.7	21.2	21.5	20.4	20.9	20.7	21.2	21.5
x=2H y=8H	20.3	20.9	20.7	21.2	21.5	20.3	20.9	20.7	21.1	21.4
x=2H y=12H	20.3	20.8	20.6	21.1	21.4	20.3	20.8	20.6	21.1	21.4
x=4H y=2H	20.4	21.1	20.7	21.3	21.6	20.4	21.0	20.7	21.3	21.6
x=4H y=3H	20.3	20.8	20.6	21.1	21.4	20.3	20.8	20.6	21.1	21.4
x=4H y=4H	20.2	20.7	20.6	21.0	21.4	20.2	20.7	20.6	21.0	21.3
x=4H y=6H	20.1	20.5	20.5	20.9	21.3	20.1	20.5	20.5	20.9	21.2
x=4H y=8H	20.1	20.4	20.5	20.8	21.2	20.1	20.4	20.5	20.8	21.2
x=4H y=12H	20.1	20.4	20.5	20.8	21.2	20.1	20.4	20.5	20.8	21.2
x=8H y=4H	20.1	20.4	20.5	20.8	21.2	20.1	20.4	20.5	20.8	21.2
x=8H y=6H	20.0	20.3	20.5	20.7	21.1	20.0	20.3	20.4	20.7	21.1
x=8H y=8H	20.0	20.2	20.4	20.6	21.1	20.0	20.2	20.4	20.6	21.1
x=8H y=12H	19.9	20.1	20.4	20.6	21.1	19.9	20.1	20.4	20.6	21.0
x=12H y=4H	20.1	20.4	20.5	20.8	21.2	20.1	20.4	20.5	20.8	21.2
x=12H y=6H	20.0	20.2	20.4	20.6	21.1	20.0	20.2	20.4	20.6	21.1
x=12H y=8H	19.9	20.1	20.4	20.6	21.1	19.9	20.1	20.4	20.6	21.0

Luminaire

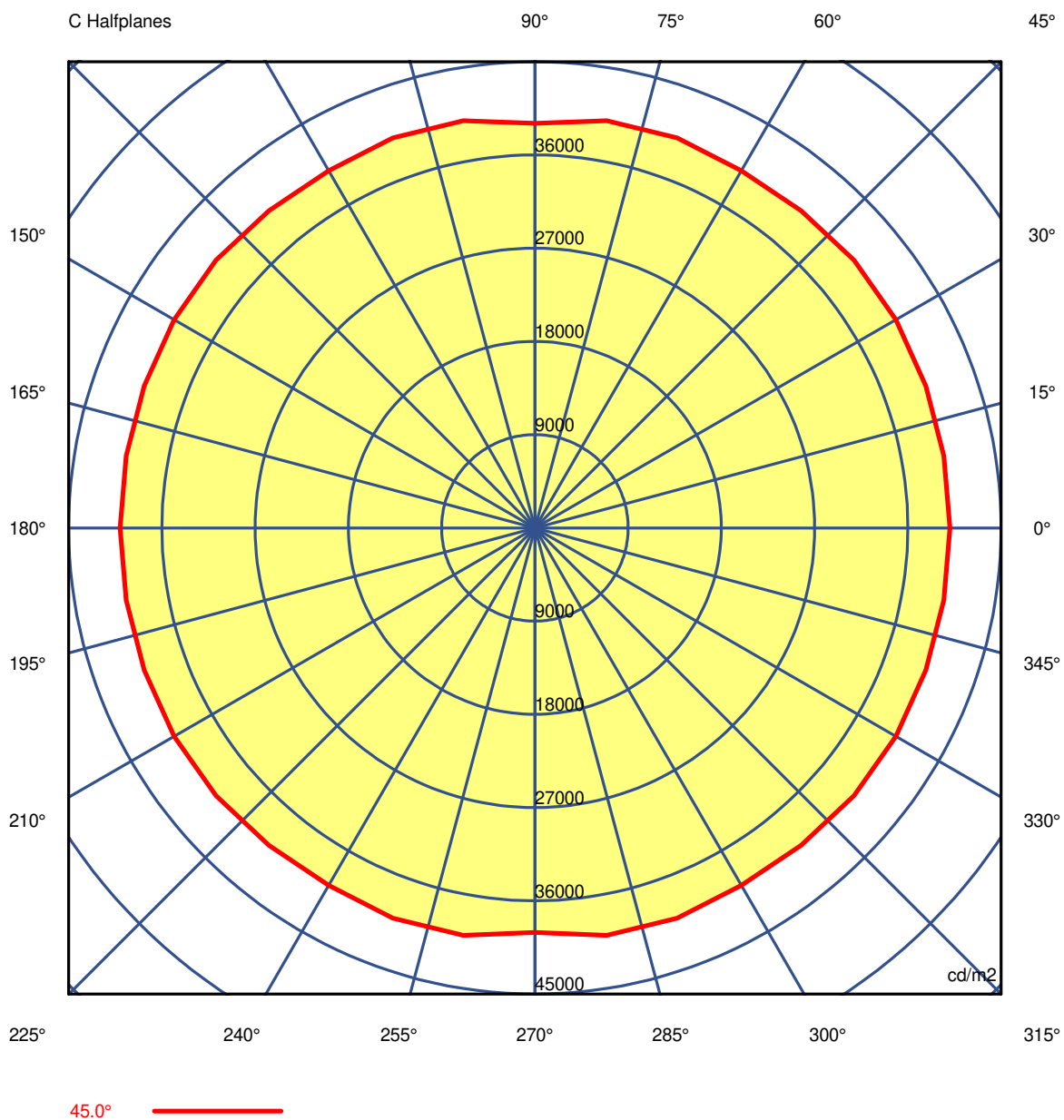
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Source Flux	1183 lm	Maximum value	3503.10 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



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Luminaire Flux		1112 lm		Luminaire Power		10.8 W		Efficacy		103.055 lm/W		Efficiency		94.00%	
Source Flux		1183 lm		Maximum value		3503.10 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	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645
G 5.0	1847105	1842025	1848337	1855206	1843170	1844040	1853797	1835987	1822115	1816636	1822115	1835987	1853797		
G 10.0	860103	862570	860605	855901	854395	854913	857353	862537	863621	859014	863621	862537	857353		
G 15.0	330699	330402	329340	328031	327391	325097	323210	326438	328858	329763	328858	326438	323210		
G 20.0	187310	188009	187743	186837	186476	186188	186107	186871	187054	186193	187054	186871	186107		
G 25.0	143263	143211	143250	143303	143102	143153	143423	143331	142888	142265	142888	143331	143423		
G 30.0	122002	121902	121915	122002	122048	122244	122528	122567	122245	121664	122245	122567	122528		
G 35.0	106526	106443	106521	106669	106675	106804	107027	106971	106573	105954	106573	106971	107027		
G 40.0	86153	86057	86062	86085	85819	85683	85672	85347	84804	84195	84804	85347	85672		
G 45.0	40053	40075	40129	40219	40205	39977	39820	40089	39917	39054	39917	40089	39820		
G 50.0	3254	3480	3460	3417	4251	4442	4165	5038	5877	6053	5877	5038	4165		
G 55.0	1122	1178	1173	1122	1095	1086	1090	1112	1122	1122	1122	1112	1090		
G 60.0	732	708	700	700	700	700	700	681	657	637	657	681	700		
G 65.0	478	501	514	510	487	478	478	478	478	478	478	478	478		
G 70.0	385	336	321	321	321	321	321	299	289	289	289	299	321		
G 75.0	196	196	196	196	264	294	294	294	294	294	294	294	294		
G 80.0	200	149	134	134	134	134	134	134	149	200	149	134	134		
G 85.0	207	207	185	138	138	138	138	138	130	104	130	138	138		
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

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Source Flux		1183 lm		Maximum value		3503.10 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	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645
G 5.0	1844040	1843170	1855206	1848337	1842025	1847105	1842025	1848337	1855206	1843170	1844040	1853797	1835987												
G 10.0	854913	854395	855901	860605	862570	860103	862570	860605	855901	854395	854913	857353	862537												
G 15.0	325097	327391	328031	329340	330402	330699	330402	329340	328031	327391	325097	323210	326438												
G 20.0	186188	186476	186837	187743	188009	187310	188009	187743	186837	186476	186188	186107	186871												
G 25.0	143153	143102	143303	143250	143211	143263	143211	143250	143303	143102	143153	143423	143331												
G 30.0	122244	122048	122002	121915	121902	122002	121902	121915	122002	122048	122244	122528	122567												
G 35.0	106804	106675	106669	106521	106443	106526	106443	106521	106669	106675	106804	107027	106971												
G 40.0	85683	85819	86085	86062	86057	86153	86057	86062	86085	85819	85683	85672	85347												
G 45.0	39977	40205	40219	40129	40075	40053	40075	40129	40219	40205	39977	39820	40089												
G 50.0	4442	4251	3417	3460	3480	3254	3480	3460	3417	4251	4442	4165	5038												
G 55.0	1086	1095	1122	1173	1178	1122	1178	1173	1122	1095	1086	1090	1112												
G 60.0	700	700	700	700	708	732	708	700	700	700	700	700	681												
G 65.0	478	487	510	514	501	478	501	514	510	487	478	478	478												
G 70.0	321	321	321	321	336	385	336	321	321	321	321	321	299												
G 75.0	294	264	196	196	196	196	196	196	196	264	294	294	294												
G 80.0	134	134	134	134	149	200	149	134	134	134	134	134	134												
G 85.0	138	138	138	185	207	207	207	185	138	138	138	138	138												
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	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645	2388645
G 5.0	1822115	1816636	1822115	1835987	1853797	1844040	1843170	1855206	1848337	1842025
G 10.0	863621	859014	863621	862537	857353	854913	854395	855901	860605	862570
G 15.0	328858	329763	328858	326438	323210	325097	327391	328031	329340	330402
G 20.0	187054	186193	187054	186871	186107	186188	186476	186837	187743	188009
G 25.0	142888	142265	142888	143331	143423	143153	143102	143303	143250	143211
G 30.0	122245	121664	122245	122567	122528	122244	122048	122002	121915	121902
G 35.0	106573	105954	106573	106971	107027	106804	106675	106669	106521	106443
G 40.0	84804	84195	84804	85347	85672	85683	85819	86085	86062	86057
G 45.0	39917	39054	39917	40089	39820	39977	40205	40219	40129	40075
G 50.0	5877	6053	5877	5038	4165	4442	4251	3417	3460	3480
G 55.0	1122	1122	1122	1112	1090	1086	1095	1122	1173	1178
G 60.0	657	637	657	681	700	700	700	700	700	708
G 65.0	478	478	478	478	478	478	487	510	514	501
G 70.0	289	289	289	299	321	321	321	321	321	336
G 75.0	294	294	294	294	294	294	264	196	196	196
G 80.0	149	200	149	134	134	134	134	134	134	149
G 85.0	130	104	130	138	138	138	138	138	185	207
G 90.0	0	0	0	0	0	0	0	0	0	0