

**Luminaire**

Code 90328L009  
 Name 6TH ELEMENT DIR D140 930 50° LO

**Measurem.**

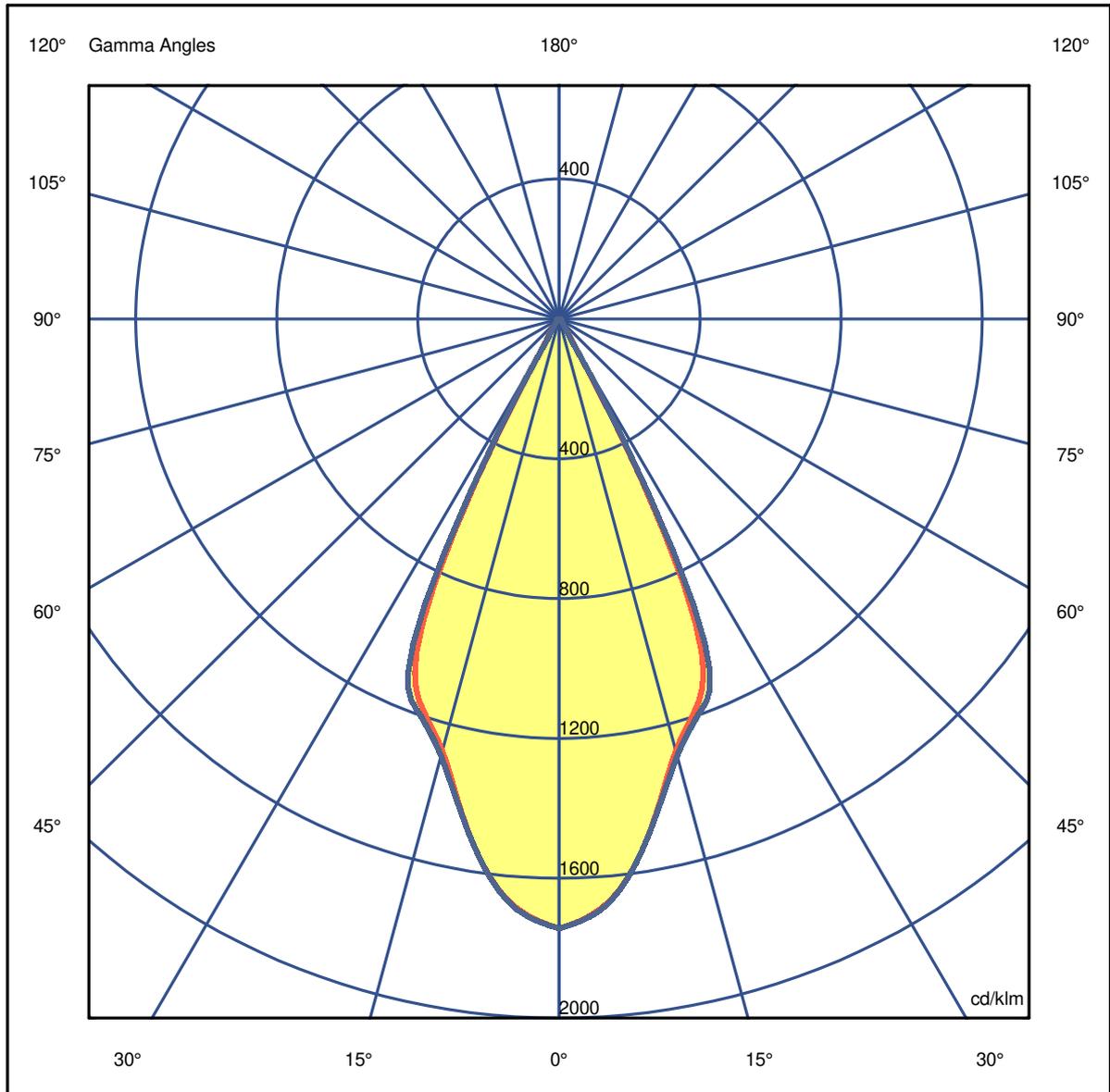
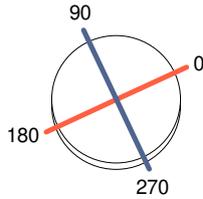
Code 31/1/2023  
 Name 6TH ELEMENT DIR D140 930 50° LO

Luminaire Flux	1067 lm	Luminaire Power	8.6 W	Efficacy	124.037 lm/W	Efficiency	91.17%
Source Flux	1170 lm	Maximum value	1743.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm

C Halfplanes

180.0 ———— 0.0  
 270.0 ———— 90.0



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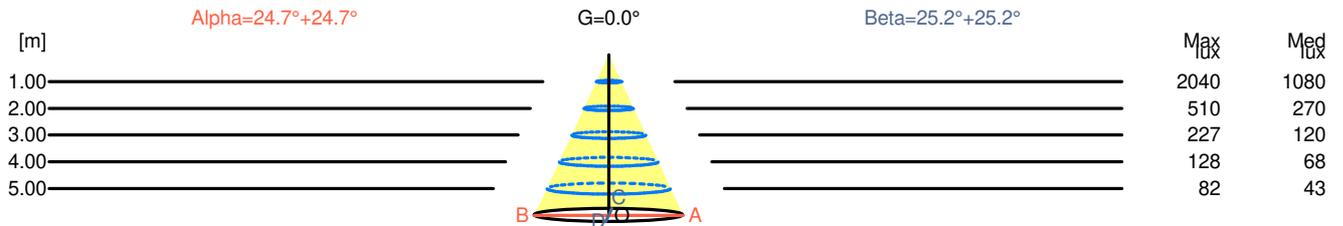
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Width at 50.00 % of Max Intensity

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	0.46	0.92	1.38	1.84	2.30	OC	0.47	0.94	1.41	1.88	2.35
OB	0.46	0.92	1.38	1.84	2.30	OD	0.47	0.94	1.41	1.88	2.35

	Luminous Intensities [ cd/klm ]									
	0	5	15	25	35	45	55	65	75	85
OA	2040.01	1952.73	1496.43	974.49	29.37	14.16	10.30	7.96	5.50	3.39
OB	2040.01	1952.73	1496.43	974.49	29.37	14.16	10.30	7.96	5.50	3.39
OC	2040.01	1955.89	1514.45	1054.99	31.82	12.52	9.71	8.66	5.50	3.86
OD	2040.01	1955.89	1514.45	1054.99	31.82	12.52	9.71	8.66	5.50	3.86



H[m]	D[m]	Max lux	Med lux	Alpha=24.7°+24.7°	G=0.0
1.00	0.92	2040	1080		
2.00	1.84	510	270		
3.00	2.76	227	120		
4.00	3.67	128	68		
5.00	4.59	82	43		

H[m]	D[m]	Max lux	Med lux	Beta=25.2°+25.2°	G=0.0
1.00	0.94	2040	1080		
2.00	1.88	510	270		
3.00	2.82	227	120		
4.00	3.76	128	68		
5.00	4.70	82	43		

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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	6.6	7.3	6.9	7.5	7.7	6.4	7.0	6.6	7.2	7.4
x=2H y=3H	7.8	8.4	8.1	8.7	8.9	7.8	8.4	8.1	8.6	8.8
x=2H y=4H	8.3	8.9	8.6	9.2	9.4	8.4	8.9	8.7	9.2	9.4
x=2H y=6H	9.3	9.8	9.6	10.1	10.3	9.5	10.0	9.8	10.3	10.6
x=2H y=8H	9.6	10.2	10.0	10.4	10.7	10.0	10.5	10.3	10.8	11.1
x=2H y=12H	9.8	10.3	10.2	10.6	10.9	10.2	10.7	10.6	11.0	11.3
x=4H y=2H	6.9	7.5	7.2	7.7	8.0	6.7	7.3	7.0	7.5	7.8
x=4H y=3H	8.0	8.5	8.4	8.8	9.1	8.3	8.7	8.6	9.0	9.3
x=4H y=4H	8.6	9.0	9.0	9.4	9.7	8.9	9.3	9.3	9.6	10.0
x=4H y=6H	10.0	10.3	10.4	10.7	11.0	10.4	10.7	10.8	11.1	11.5
x=4H y=8H	10.5	10.8	10.9	11.2	11.6	11.0	11.3	11.4	11.7	12.1
x=4H y=12H	10.8	11.1	11.3	11.5	11.9	11.3	11.6	11.8	12.0	12.4
x=8H y=4H	8.7	9.0	9.1	9.4	9.8	8.9	9.2	9.3	9.6	10.0
x=8H y=6H	10.2	10.5	10.7	10.9	11.3	10.6	10.8	11.1	11.3	11.7
x=8H y=8H	10.9	11.1	11.4	11.5	12.0	11.4	11.6	11.8	12.0	12.5
x=8H y=12H	11.3	11.5	11.8	11.9	12.4	11.8	11.9	12.2	12.4	12.9
x=12H y=4H	8.7	9.0	9.2	9.4	9.8	9.0	9.2	9.4	9.6	10.0
x=12H y=6H	10.3	10.5	10.8	10.9	11.4	10.7	10.9	11.1	11.3	11.8
x=12H y=8H	11.0	11.2	11.5	11.6	12.1	11.4	11.6	11.9	12.0	12.6

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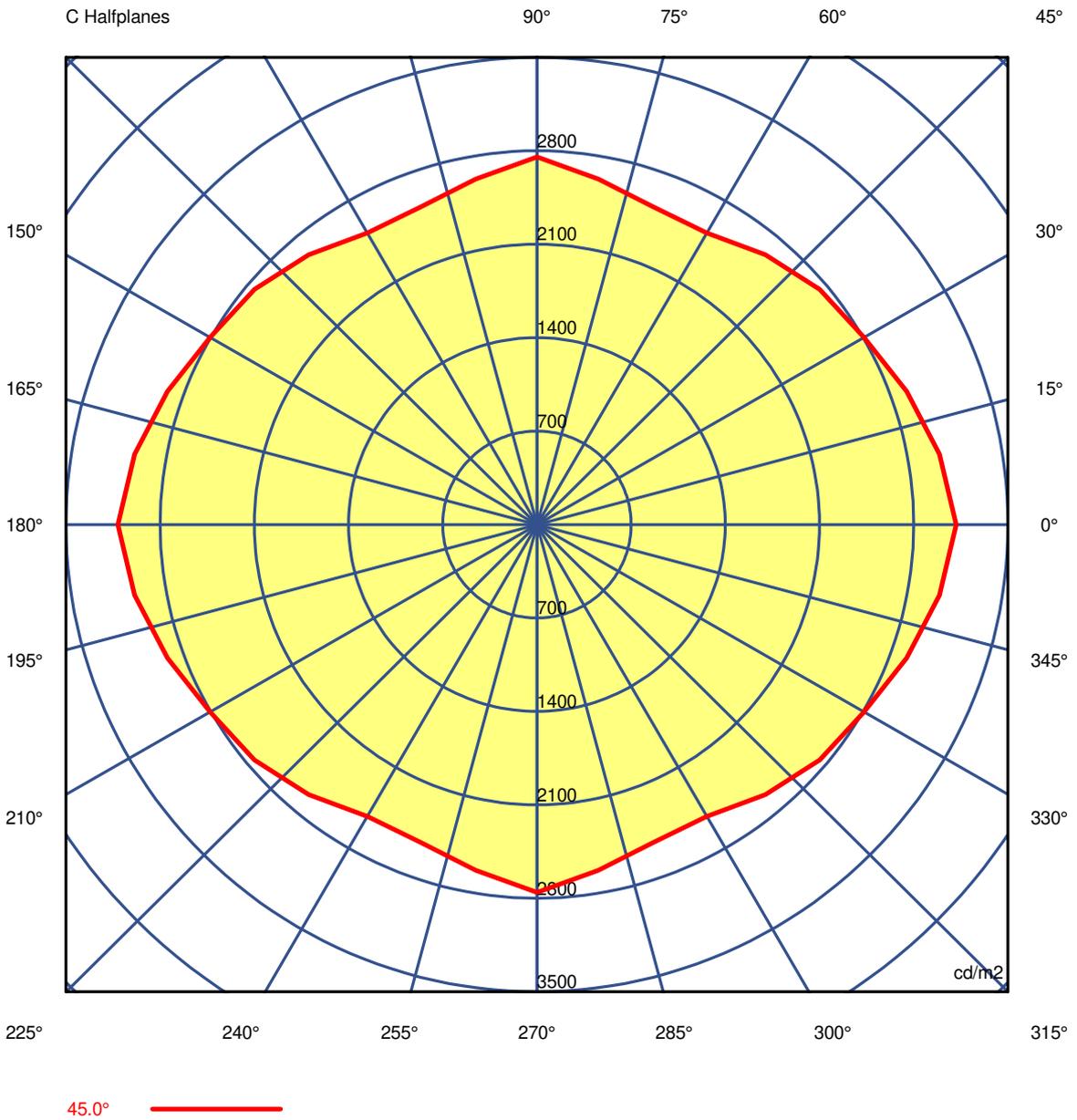
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Luminance



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**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	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507
G 5.0	623789	623814	624243	625097	625097	625309	626069	626532	626069	624798	626069	626532	626069
G 10.0	510192	511305	511728	511736	512224	512754	513109	513359	512533	510569	512533	513359	513109
G 15.0	408544	410276	411395	412121	413166	413901	414134	414271	414057	413463	414057	414271	414134
G 20.0	349358	349997	351280	352818	353504	353446	353119	353134	354425	356911	354425	353134	353119
G 25.0	238615	243257	247967	252367	256251	261722	267722	269971	266360	258326	266360	269971	267722
G 30.0	19497	19909	19943	19525	18894	18329	17900	17478	16972	16385	16972	17478	17900
G 35.0	6703	6798	6947	7104	7172	7277	7424	7472	7404	7264	7404	7472	7424
G 40.0	4074	3968	3870	3813	3796	3723	3578	3558	3597	3630	3597	3558	3578
G 45.0	3115	3037	2924	2806	2743	2640	2523	2532	2629	2755	2629	2532	2523
G 50.0	2404	2447	2375	2276	2333	2323	2199	2154	2219	2353	2219	2154	2199
G 55.0	2253	2212	2201	2201	2162	2080	2022	2067	2108	2125	2108	2067	2022
G 60.0	1988	1941	1874	1833	1876	1861	1807	1871	1911	1911	1911	1871	1807
G 65.0	1785	1785	1719	1522	1374	1496	1785	1903	1925	1942	1925	1903	1785
G 70.0	1748	1659	1298	565	347	847	1560	1632	1668	1668	1668	1632	1560
G 75.0	1306	1288	979	334	270	360	528	1114	1450	1306	1450	1114	528
G 80.0	1623	1793	1548	1130	1169	1169	1130	1676	1952	1971	1952	1676	1130
G 85.0	885	953	807	549	485	484	549	821	967	1007	967	821	549
G 90.0	943	888	688	390	189	99	228	657	828	585	828	657	228

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**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	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507
G 5.0	625309	625097	625097	624243	623814	623789	623814	624243	625097	625097	625309	626069	626532
G 10.0	512754	512224	511736	511728	511305	510192	511305	511728	511736	512224	512754	513109	513359
G 15.0	413901	413166	412121	411395	410276	408544	410276	411395	412121	413166	413901	414134	414271
G 20.0	353446	353504	352818	351280	349997	349358	349997	351280	352818	353504	353446	353119	353134
G 25.0	261722	256251	252367	247967	243257	238615	243257	247967	252367	256251	261722	267722	269971
G 30.0	18329	18894	19525	19943	19909	19497	19909	19943	19525	18894	18329	17900	17478
G 35.0	7277	7172	7104	6947	6798	6703	6798	6947	7104	7172	7277	7424	7472
G 40.0	3723	3796	3813	3870	3968	4074	3968	3870	3813	3796	3723	3578	3558
G 45.0	2640	2743	2806	2924	3037	3115	3037	2924	2806	2743	2640	2523	2532
G 50.0	2323	2333	2276	2375	2447	2404	2447	2375	2276	2333	2323	2199	2154
G 55.0	2080	2162	2201	2201	2212	2253	2212	2201	2162	2080	2022	2067	2067
G 60.0	1861	1876	1833	1874	1941	1988	1941	1874	1833	1876	1861	1807	1871
G 65.0	1496	1374	1522	1719	1785	1785	1785	1719	1522	1374	1496	1785	1903
G 70.0	847	347	565	1298	1659	1748	1659	1298	565	347	847	1560	1632
G 75.0	360	270	334	979	1288	1306	1288	979	334	270	360	528	1114
G 80.0	1169	1169	1130	1548	1793	1623	1793	1548	1130	1169	1169	1130	1676
G 85.0	484	485	549	807	953	885	953	807	549	485	484	549	821
G 90.0	99	189	390	688	888	943	888	688	390	189	99	228	657

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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	721507	721507	721507	721507	721507	721507	721507	721507	721507	721507
G 5.0	626069	624798	626069	626532	626069	625309	625097	625097	624243	623814
G 10.0	512533	510569	512533	513359	513109	512754	512224	511736	511728	511305
G 15.0	414057	413463	414057	414271	414134	413901	413166	412121	411395	410276
G 20.0	354425	356911	354425	353134	353119	353446	353504	352818	351280	349997
G 25.0	266360	258326	266360	269971	267722	261722	256251	252367	247967	243257
G 30.0	16972	16385	16972	17478	17900	18329	18894	19525	19943	19909
G 35.0	7404	7264	7404	7472	7424	7277	7172	7104	6947	6798
G 40.0	3597	3630	3597	3558	3578	3723	3796	3813	3870	3968
G 45.0	2629	2755	2629	2532	2523	2640	2743	2806	2924	3037
G 50.0	2219	2353	2219	2154	2199	2323	2333	2276	2375	2447
G 55.0	2108	2125	2108	2067	2022	2080	2162	2201	2201	2212
G 60.0	1911	1911	1911	1871	1807	1861	1876	1833	1874	1941
G 65.0	1925	1942	1925	1903	1785	1496	1374	1522	1719	1785
G 70.0	1668	1668	1668	1632	1560	847	347	565	1298	1659
G 75.0	1450	1306	1450	1114	528	360	270	334	979	1288
G 80.0	1952	1971	1952	1676	1130	1169	1169	1130	1548	1793
G 85.0	967	1007	967	821	549	484	485	549	807	953
G 90.0	828	585	828	657	228	99	189	390	688	888