

**Luminaire**

Code 90328L009

Name 6TH ELEMENT DIR D140 930 80° LO

**Measurem.**

Code 31/1/2023

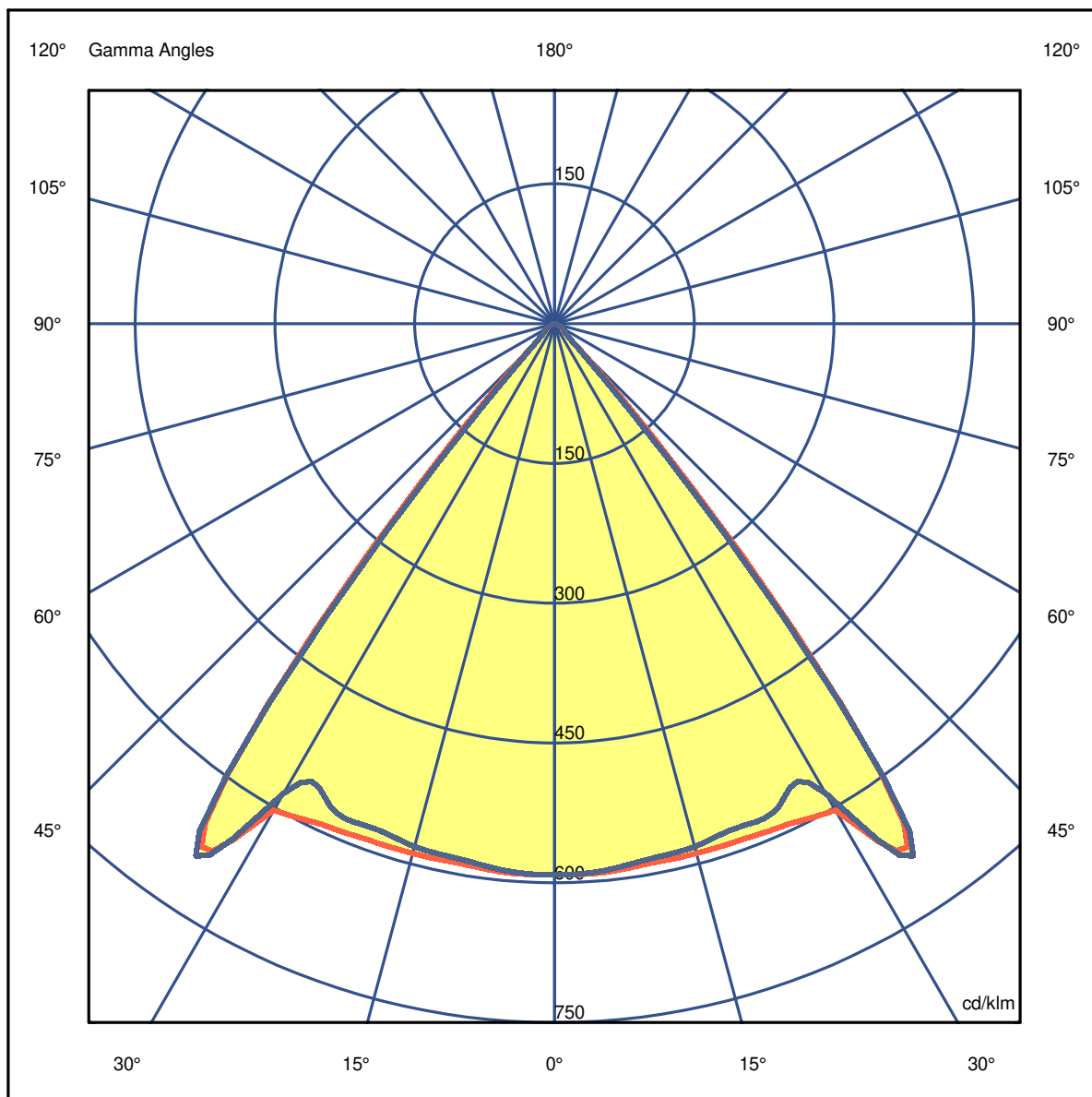
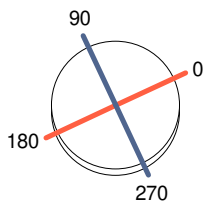
Name 6TH ELEMENT DIR D140 930 80° LO

Luminaire Flux	1033 lm	Luminaire Power	8.6 W	Efficacy	120.079 lm/W	Efficiency	88.26%
Source Flux	1170 lm	Maximum value	664.50 cd/klm	Position	C=90.00 G=35.00	CG	Double Symmetrical

Diam=140mm

C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



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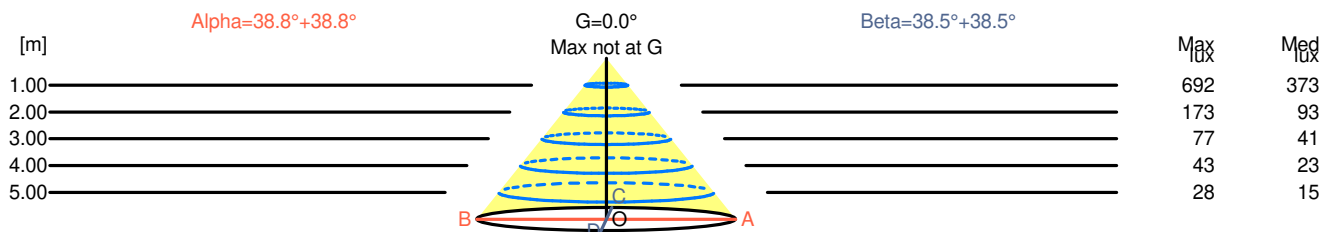
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Width at 50.00 % of Max Intensity

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	0.80	1.61	2.41	3.22	4.02	OC	0.80	1.59	2.39	3.18	3.98
OB	0.80	1.61	2.41	3.22	4.02	OD	0.80	1.59	2.39	3.18	3.98

	0	5	15	25	35	45	55	65	75	85
OA	692.17	691.82	688.31	693.22	764.59	29.95	12.17	5.97	2.81	1.05
OB	692.17	691.82	688.31	693.22	764.59	29.95	12.17	5.97	2.81	1.05
OC	692.17	689.71	679.65	667.84	777.46	32.41	14.98	7.60	2.11	0.70
OD	692.17	689.71	679.65	667.84	777.46	32.41	14.98	7.60	2.11	0.70



H[m]	D[m]	Max lux	Med lux	Alpha=38.8°+38.8°	G=0.0 Max not at G
1.00	1.61	692	373		
2.00	3.22	173	93		
3.00	4.83	77	41		
4.00	6.43	43	23		
5.00	8.04	28	15		

H[m]	D[m]	Max lux	Med lux	Beta=38.5°+38.5°	G=0.0 Max not at G
1.00	1.59	692	373		
2.00	3.18	173	93		
3.00	4.78	77	41		
4.00	6.37	43	23		
5.00	7.96	28	15		

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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	22.5	23.1	22.7	23.3	23.5	22.4	23.1	22.6	23.3	23.5
x=2H y=3H	22.3	23.0	22.6	23.2	23.4	22.3	22.9	22.5	23.1	23.4
x=2H y=4H	22.3	22.9	22.6	23.1	23.4	22.2	22.8	22.5	23.0	23.3
x=2H y=6H	22.2	22.7	22.5	23.0	23.3	22.1	22.7	22.5	22.9	23.2
x=2H y=8H	22.2	22.7	22.5	23.0	23.3	22.1	22.6	22.4	22.9	23.2
x=2H y=12H	22.1	22.6	22.5	22.9	23.2	22.1	22.6	22.4	22.9	23.2
x=4H y=2H	22.3	22.8	22.6	23.1	23.3	22.2	22.8	22.5	23.0	23.3
x=4H y=3H	22.1	22.6	22.5	22.9	23.2	22.1	22.6	22.4	22.9	23.2
x=4H y=4H	22.1	22.5	22.4	22.8	23.1	22.0	22.4	22.3	22.7	23.1
x=4H y=6H	22.0	22.3	22.4	22.7	23.1	21.9	22.3	22.3	22.6	23.0
x=4H y=8H	22.0	22.3	22.4	22.6	23.0	21.9	22.2	22.3	22.6	23.0
x=4H y=12H	21.9	22.2	22.3	22.6	23.0	21.8	22.1	22.3	22.5	22.9
x=8H y=4H	22.0	22.3	22.4	22.6	23.0	21.9	22.2	22.3	22.6	23.0
x=8H y=6H	21.9	22.1	22.3	22.5	23.0	21.8	22.0	22.2	22.4	22.9
x=8H y=8H	21.8	22.0	22.3	22.5	22.9	21.7	21.9	22.2	22.4	22.8
x=8H y=12H	21.8	21.9	22.3	22.4	22.9	21.7	21.8	22.2	22.3	22.8
x=12H y=4H	21.9	22.2	22.3	22.6	23.0	21.8	22.1	22.3	22.5	22.9
x=12H y=6H	21.8	22.0	22.3	22.5	22.9	21.7	21.9	22.2	22.4	22.8
x=12H y=8H	21.8	21.9	22.2	22.4	22.9	21.7	21.8	22.2	22.3	22.8

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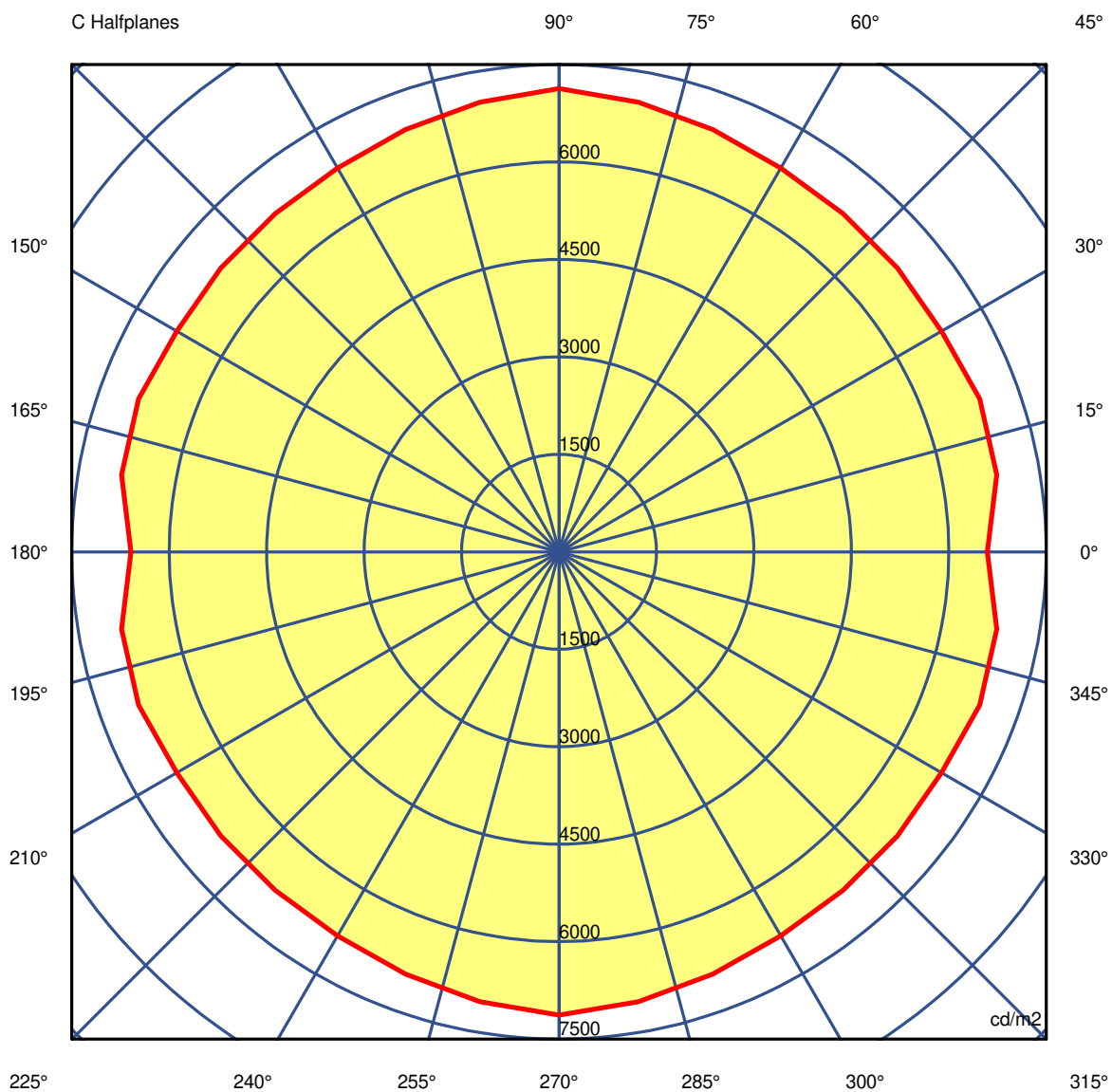
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Luminaire Flux	1033 lm	Luminaire Power	8.6 W	Efficacy	120.079 lm/W	Efficiency	88.26%
Source Flux	1170 lm	Maximum value	664.50 cd/klm	Position	C=90.00 G=35.00	CG Double Symmetrical	

Luminance



45.0°

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**Measur.**

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Luminaire Flux		1033 lm		Luminaire Power		8.6 W		Efficacy		120.079 lm/W		Efficiency		88.26%	
Source Flux		1170 lm		Maximum value		664.50 cd/klm		Position		C=90.00 G=35.00		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	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806
G 5.0	220998	220638	220221	219877	219843	220013	220176	220176	220204	220326	220204	220176	220176	220176	220176
G 10.0	201771	201033	200730	200535	199780	199394	199643	199873	200024	200158	200024	199873	199643	199643	199643
G 15.0	187917	187099	186421	185905	185478	185142	184851	184601	184827	185554	184827	184601	184851	184851	184851
G 20.0	177207	176487	175841	175130	174164	173367	172753	172059	172128	173084	172128	172059	172753	172753	172753
G 25.0	169744	168961	168252	167337	165822	164216	162954	162231	162474	163527	162474	162231	162954	162954	162954
G 30.0	165946	165098	164747	164266	162472	160391	159116	159017	159567	160300	159567	159017	159116	159116	159116
G 35.0	174526	171554	172141	175354	176884	176675	175835	175416	176018	177464	176018	175416	175835	175835	175835
G 40.0	60146	59919	58427	53695	47913	44963	45286	46114	47665	50039	47665	46114	45286	45286	45286
G 45.0	6590	6840	6891	6796	6796	6800	6822	6917	7032	7131	7032	6917	6822	6822	6822
G 50.0	3887	3981	3958	3861	3854	3936	4015	4002	3994	4040	3994	4002	4015	4015	4015
G 55.0	2662	2629	2517	2432	2584	2843	3021	3037	3096	3277	3096	3037	3021	3021	3021
G 60.0	2685	2651	2356	1730	1623	1963	2401	2634	2797	2995	2797	2634	2401	2401	2401
G 65.0	1339	1945	1783	1076	818	1145	1627	1662	1689	1706	1689	1662	1627	1627	1627
G 70.0	807	771	653	484	393	456	592	637	665	726	665	637	592	592	592
G 75.0	667	555	446	334	223	198	278	396	475	500	475	396	278	278	278
G 80.0	522	483	373	174	113	122	174	313	414	435	414	313	174	174	174
G 85.0	275	198	183	183	50	2	92	165	183	183	183	165	92	92	92
G 90.0	195	195	181	130	63	11	32	153	192	98	192	153	32	32	32

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Source Flux		1170 lm		Maximum value		664.50 cd/klm		Position		C=90.00 G=35.00		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	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806
G 5.0	220013	219843	219877	220221	220638	220998	220638	220221	219877	219843	220013	220176	220176	220176	220176	220176
G 10.0	199394	199780	200535	200730	201033	201771	201033	200730	200535	199780	199394	199643	199643	199643	199643	199873
G 15.0	185142	185478	185905	186421	187099	187917	187099	186421	185905	185478	185142	184851	184851	184851	184601	184601
G 20.0	173367	174164	175130	175841	176487	177207	176487	175841	175130	174164	173367	172753	172753	172753	172059	172059
G 25.0	164216	165822	167337	168252	168961	169744	168961	168252	167337	165822	164216	162954	162954	162954	162231	162231
G 30.0	160391	162472	164266	164747	165098	165946	165098	164747	164266	162472	160391	159116	159116	159116	159017	159017
G 35.0	176675	176884	175354	172141	171554	174526	171554	172141	175354	176884	176675	175835	175835	175835	175416	175416
G 40.0	44963	47913	53695	58427	59919	60146	59919	58427	53695	47913	44963	45286	45286	45286	46114	46114
G 45.0	6800	6796	6796	6891	6840	6590	6840	6891	6796	6796	6800	6822	6822	6822	6917	6917
G 50.0	3936	3854	3861	3958	3981	3887	3981	3958	3861	3854	3936	4015	4015	4015	4002	4002
G 55.0	2843	2584	2432	2517	2629	2662	2629	2517	2432	2584	2843	3021	3021	3021	3037	3037
G 60.0	1963	1623	1730	2356	2651	2685	2651	2356	1730	1623	1963	2401	2401	2401	2634	2634
G 65.0	1145	818	1076	1783	1945	1339	1945	1783	1076	818	1145	1627	1627	1627	1662	1662
G 70.0	456	393	484	653	771	807	771	653	484	393	456	592	592	592	637	637
G 75.0	198	223	334	446	555	667	555	446	334	223	198	278	278	278	396	396
G 80.0	122	113	174	373	483	522	483	373	174	113	122	174	174	174	313	313
G 85.0	2	50	183	183	198	275	198	183	50	2	92	165	165	165	165	165
G 90.0	11	63	130	181	195	195	195	181	63	11	32	153	153	153	153	153

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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	244806	244806	244806	244806	244806	244806	244806	244806	244806	244806
G 5.0	220204	220326	220204	220176	220176	220013	219843	219877	220221	220638
G 10.0	200024	200158	200024	199873	199643	199394	199780	200535	200730	201033
G 15.0	184827	185554	184827	184601	184851	185142	185478	185905	186421	187099
G 20.0	172128	173084	172128	172059	172753	173367	174164	175130	175841	176487
G 25.0	162474	163527	162474	162231	162954	164216	165822	167337	168252	168961
G 30.0	159567	160300	159567	159017	159116	160391	162472	164266	164747	165098
G 35.0	176018	177464	176018	175416	175835	176675	176884	175354	172141	171554
G 40.0	47665	50039	47665	46114	45286	44963	47913	53695	58427	59919
G 45.0	7032	7131	7032	6917	6822	6800	6796	6796	6891	6840
G 50.0	3994	4040	3994	4002	4015	3936	3854	3861	3958	3981
G 55.0	3096	3277	3096	3037	3021	2843	2584	2432	2517	2629
G 60.0	2797	2995	2797	2634	2401	1963	1623	1730	2356	2651
G 65.0	1689	1706	1689	1662	1627	1145	818	1076	1783	1945
G 70.0	665	726	665	637	592	456	393	484	653	771
G 75.0	475	500	475	396	278	198	223	334	446	555
G 80.0	414	435	414	313	174	122	113	174	373	483
G 85.0	183	183	183	165	92	2	50	183	183	198
G 90.0	192	98	192	153	32	11	63	130	181	195