

**Luminaire**

Code 90280L016

Name 6TH ELEMENT D/I D140 940 80°/80°

**Measurem.**

Code 31/1/2023

Name 6TH ELEMENT D/I D140 940 80°/80°

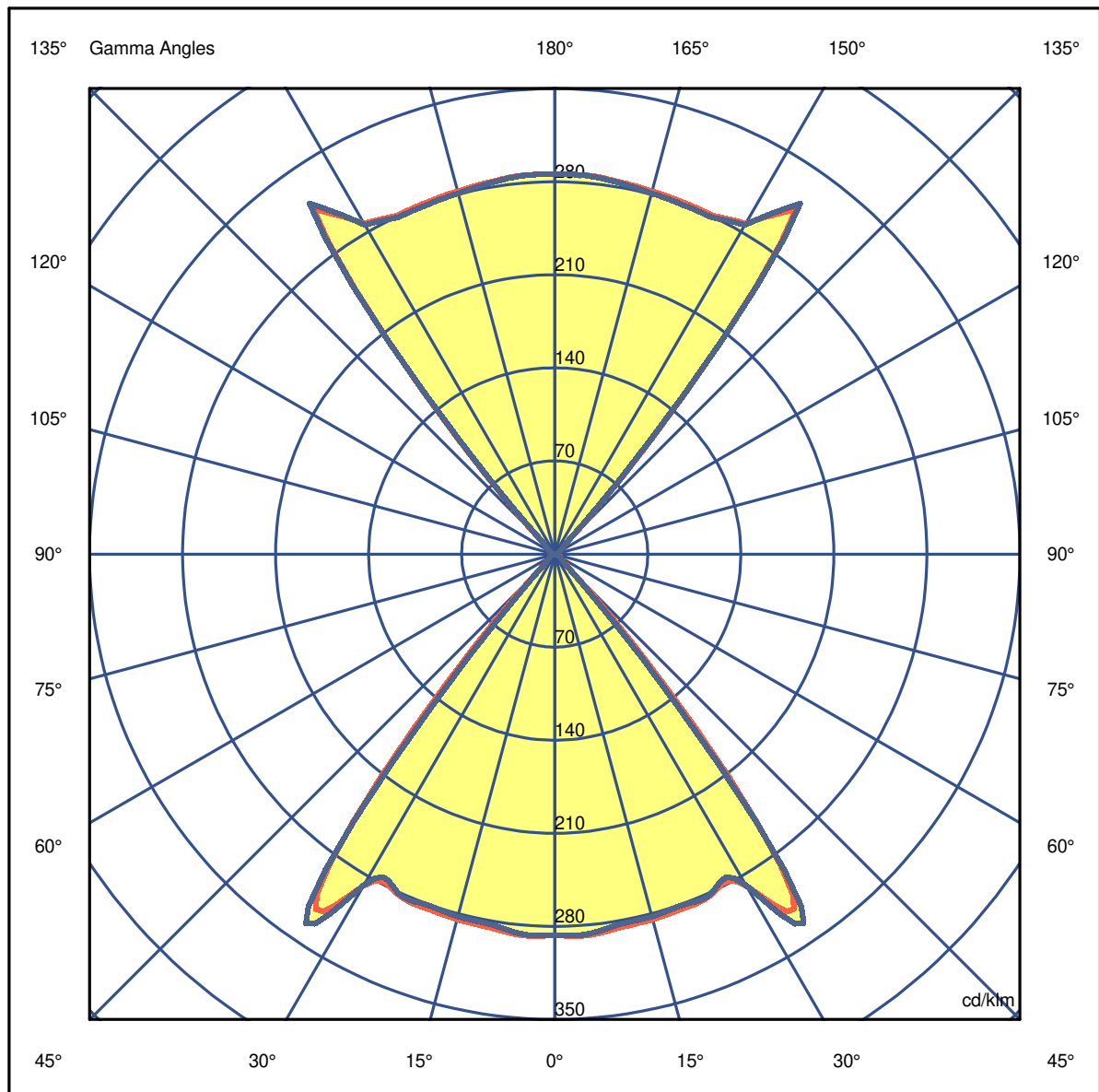
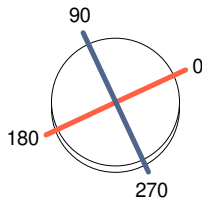
Luminaire Flux	2164 lm	Luminaire Power	17.2 W	Efficacy	125.821 lm/W	Efficiency	87.26%
Source Flux	2480 lm	Maximum value	323.30 cd/klm	Position	C=90.00 G=35.00	CG	Double Symmetrical

Diam=140mm

C Halfplanes

180.0 — 0.0

270.0 — 90.0



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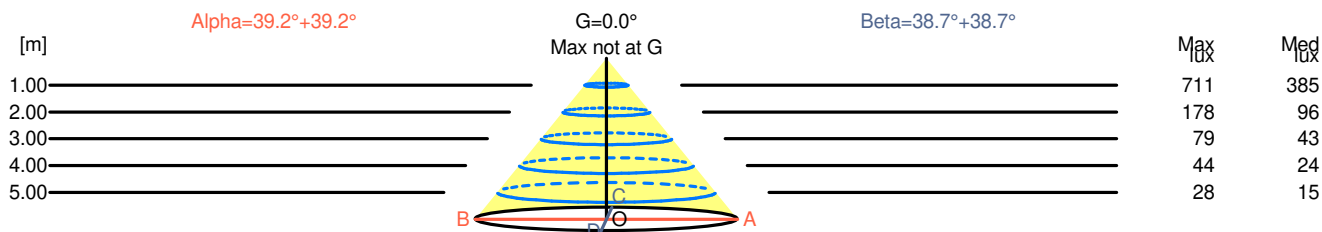
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Width at 50.00 % of Max Intensity

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	0.81	1.63	2.44	3.26	4.07	OC	0.80	1.60	2.41	3.21	4.01
OB	0.81	1.63	2.44	3.26	4.07	OD	0.80	1.60	2.41	3.21	4.01

	0	5	15	25	35	45	55	65	75	85
OA	710.02	713.50	705.06	697.87	774.01	36.46	13.64	9.67	2.73	1.49
OB	710.02	713.50	705.06	697.87	774.01	36.46	13.64	9.67	2.73	1.49
OC	710.02	710.77	699.36	695.64	801.78	33.73	13.89	4.96	2.48	0.99
OD	710.02	710.77	699.36	695.64	801.78	33.73	13.89	4.96	2.48	0.99



H[m]	D[m]	Max lux	Med lux	Alpha=39.2°+39.2°	G=0.0 Max not at G
1.00	1.63	711	385		
2.00	3.26	178	96		
3.00	4.89	79	43		
4.00	6.52	44	24		
5.00	8.15	28	15		

H[m]	D[m]	Max lux	Med lux	Beta=38.7°+38.7°	G=0.0 Max not at G
1.00	1.60	711	385		
2.00	3.21	178	96		
3.00	4.81	79	43		
4.00	6.42	44	24		
5.00	8.02	28	15		

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Source Flux	2480 lm	Maximum value	323.30 cd/klm	Position	C=90.00 G=35.00	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										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	19.0	19.6	19.9	20.5	21.5	19.1	19.7	20.0	20.5	21.5
x=2H y=3H	18.8	19.3	19.7	20.2	21.3	18.8	19.3	19.7	20.2	21.3
x=2H y=4H	18.6	19.1	19.6	20.0	21.2	18.7	19.2	19.6	20.0	21.2
x=2H y=6H	18.5	19.0	19.5	19.9	21.0	18.5	19.0	19.5	19.9	21.1
x=2H y=8H	18.4	18.9	19.4	19.8	21.0	18.5	18.9	19.4	19.8	21.0
x=2H y=12H	18.4	18.8	19.3	19.7	20.9	18.4	18.8	19.3	19.7	20.9
x=4H y=2H	18.6	19.1	19.6	20.0	21.1	18.7	19.2	19.6	20.0	21.2
x=4H y=3H	18.4	18.8	19.3	19.7	20.9	18.4	18.8	19.3	19.7	20.9
x=4H y=4H	18.2	18.6	19.2	19.5	20.7	18.2	18.6	19.2	19.5	20.8
x=4H y=6H	18.1	18.4	19.1	19.3	20.6	18.1	18.4	19.1	19.4	20.6
x=4H y=8H	18.0	18.3	19.0	19.2	20.5	18.0	18.3	19.0	19.3	20.5
x=4H y=12H	17.9	18.1	18.9	19.1	20.4	17.9	18.2	19.0	19.2	20.4
x=8H y=4H	18.0	18.2	19.0	19.2	20.5	18.0	18.3	19.0	19.3	20.5
x=8H y=6H	17.8	18.0	18.8	19.0	20.3	17.8	18.1	18.9	19.1	20.4
x=8H y=8H	17.7	17.9	18.8	18.9	20.3	17.8	17.9	18.8	19.0	20.3
x=8H y=12H	17.7	17.8	18.7	18.8	20.2	17.7	17.8	18.7	18.9	20.2
x=12H y=4H	17.9	18.1	18.9	19.1	20.4	17.9	18.2	18.9	19.1	20.4
x=12H y=6H	17.7	17.9	18.8	18.9	20.3	17.8	17.9	18.8	19.0	20.3
x=12H y=8H	17.7	17.8	18.7	18.8	20.2	17.7	17.8	18.7	18.9	20.2

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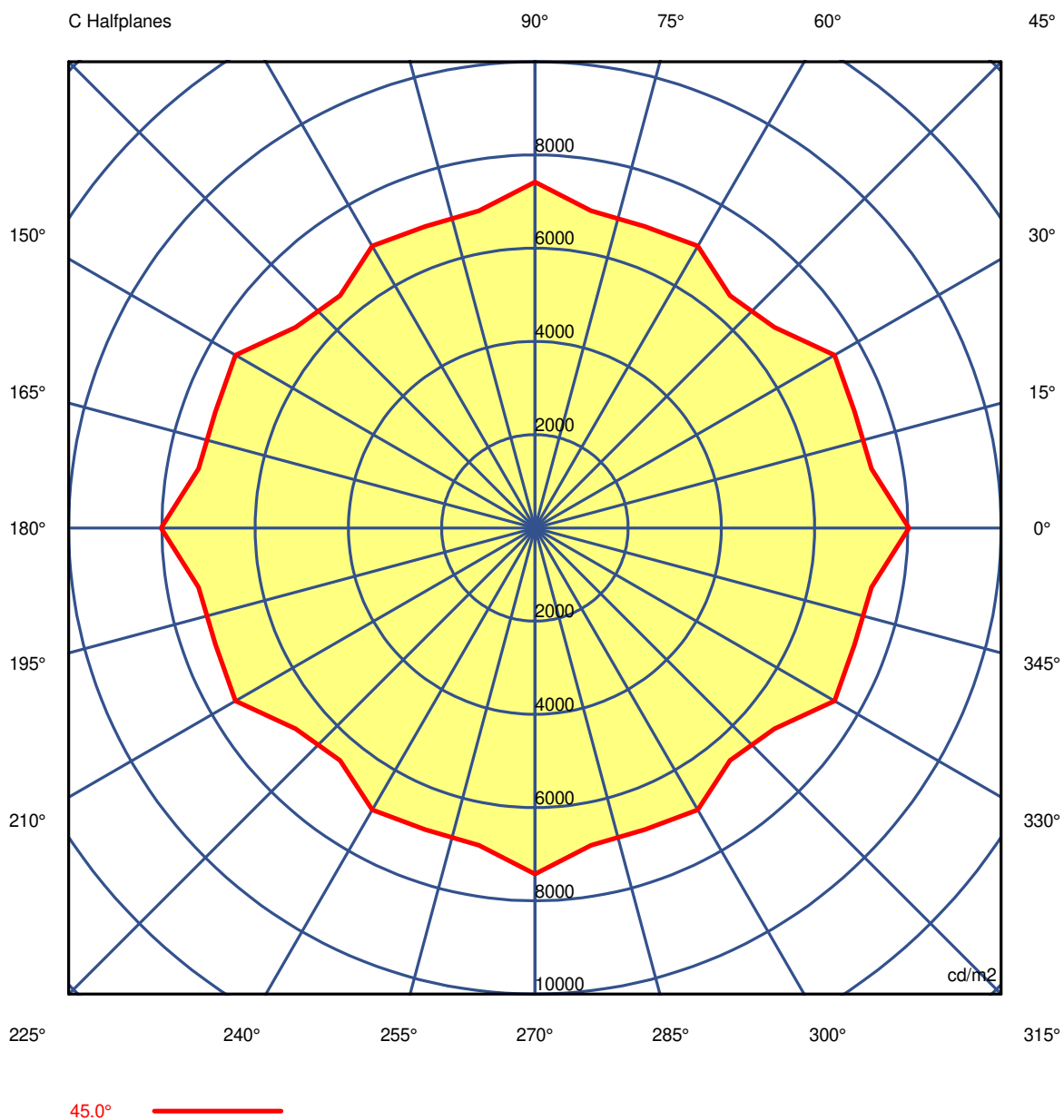
**Measurem.**

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Name 6TH ELEMENT D/I D140 940 80°/80°

Luminaire Flux	2164 lm	Luminaire Power	17.2 W	Efficacy	125.821 lm/W	Efficiency	87.26%
Source Flux	2480 lm	Maximum value	323.30 cd/klm	Position	C=90.00 G=35.00	CG Double Symmetrical	

Luminance



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Luminaire Flux	2164 lm	Luminaire Power		17.2 W		Efficacy		125.821 lm/W		Efficiency		87.26%	
Source Flux	2480 lm	Maximum value		323.30 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	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120
G 5.0	227922	226379	225392	225387	226278	226364	225942	225845	226304	227051	226304	225845	225942
G 10.0	207296	206146	206244	206933	206535	206691	207224	206213	205575	205478	205575	206213	207224
G 15.0	192491	191566	191556	192017	191671	191260	191069	190657	190558	190934	190558	190657	191069
G 20.0	180697	180167	180300	180761	180657	180718	180888	179893	179230	178975	179230	179893	180888
G 25.0	170882	171114	171577	172157	172584	173311	173796	172871	171498	170335	171498	172871	173796
G 30.0	168111	167457	167824	168811	169102	169325	169862	170221	169475	167644	169475	170221	169862
G 35.0	176675	178155	177766	177411	180436	181349	179845	181114	182704	183015	182704	181114	179845
G 40.0	70359	62992	65104	69418	60943	58947	64381	58830	54082	56465	54082	58830	64381
G 45.0	8021	7328	7293	7421	6700	6511	6985	6887	6913	7421	6913	6887	6985
G 50.0	4607	4536	4458	4282	3949	3857	3957	3836	3843	4120	3843	3836	3957
G 55.0	2984	2948	2789	2496	2496	2496	2496	2617	2817	3038	2817	2617	2496
G 60.0	2627	2540	2350	2080	1898	2030	2299	2299	2375	2682	2375	2299	2299
G 65.0	2170	1910	1487	1057	966	1050	1224	1502	1489	1113	1489	1502	1224
G 70.0	798	689	559	456	456	456	456	564	676	741	676	564	456
G 75.0	648	522	434	354	225	163	236	396	525	589	525	396	236
G 80.0	492	451	347	184	184	184	184	305	407	430	407	305	184
G 85.0	388	231	194	194	41	39	194	194	216	259	216	194	194
G 90.0	207	207	207	207	115	44	69	166	207	207	207	166	69

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Source Flux		2480 lm		Maximum value		323.30 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	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120
G 5.0	226364	226278	225387	225392	226379	227922	226379	225392	225387	226278	226364	225942	225845		
G 10.0	206691	206535	206933	206244	206146	207296	206146	206244	206933	206535	206691	207224	206213		
G 15.0	191260	191671	192017	191556	191566	192491	191566	191556	192017	191671	191260	191069	190657		
G 20.0	180718	180657	180761	180300	180167	180697	180167	180300	180761	180657	180718	180888	179893		
G 25.0	173311	172584	172157	171577	171114	170882	171114	171577	172157	172584	173311	173796	172871		
G 30.0	169325	169102	168811	167824	167457	168111	167457	167824	168811	169102	169325	169862	170221		
G 35.0	181349	180436	177411	177766	178155	176675	178155	177766	177411	180436	181349	179845	181114		
G 40.0	58947	60943	69418	65104	62992	70359	62992	65104	69418	60943	58947	64381	58830		
G 45.0	6511	6700	7421	7293	7328	8021	7328	7293	7421	6700	6511	6985	6887		
G 50.0	3857	3949	4282	4458	4536	4607	4536	4458	4282	3949	3857	3957	3836		
G 55.0	2496	2496	2496	2789	2948	2984	2948	2789	2496	2496	2496	2496	2617		
G 60.0	2030	1898	2080	2350	2540	2627	2540	2350	2080	1898	2030	2299	2299		
G 65.0	1050	966	1057	1487	1910	2170	1910	1487	1057	966	1050	1224	1502		
G 70.0	456	456	456	559	689	798	689	559	456	456	456	456	564		
G 75.0	163	225	354	434	522	648	522	434	354	225	163	236	396		
G 80.0	184	184	184	347	451	492	451	347	184	184	184	184	305		
G 85.0	39	41	194	194	231	388	231	194	194	41	39	194	194		
G 90.0	44	115	207	207	207	207	207	207	207	115	44	69	166		

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Source Flux	2480 lm	Maximum value	323.30 cd/klm	Position	C=90.00 G=35.00	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	251120	251120	251120	251120	251120	251120	251120	251120	251120	251120
G 5.0	226304	227051	226304	225845	225942	226364	226278	225387	225392	226379
G 10.0	205575	205478	205575	206213	207224	206691	206535	206933	206244	206146
G 15.0	190558	190934	190558	190657	191069	191260	191671	192017	191556	191566
G 20.0	179230	178975	179230	179893	180888	180718	180657	180761	180300	180167
G 25.0	171498	170335	171498	172871	173796	173311	172584	172157	171577	171114
G 30.0	169475	167644	169475	170221	169862	169325	169102	168811	167824	167457
G 35.0	182704	183015	182704	181114	179845	181349	180436	177411	177766	178155
G 40.0	54082	56465	54082	58830	64381	58947	60943	69418	65104	62992
G 45.0	6913	7421	6913	6887	6985	6511	6700	7421	7293	7328
G 50.0	3843	4120	3843	3836	3957	3857	3949	4282	4458	4536
G 55.0	2817	3038	2817	2617	2496	2496	2496	2496	2789	2948
G 60.0	2375	2682	2375	2299	2299	2030	1898	2080	2350	2540
G 65.0	1489	1113	1489	1502	1224	1050	966	1057	1487	1910
G 70.0	676	741	676	564	456	456	456	456	559	689
G 75.0	525	589	525	396	236	163	225	354	434	522
G 80.0	407	430	407	305	184	184	184	184	347	451
G 85.0	216	259	216	194	194	39	41	194	194	231
G 90.0	207	207	207	166	69	44	115	207	207	207