

**Luminaire**

Code 90328L016

Name 6TH ELEMENT DIR D140 940 80° HO

**Measur.**

Code 31/1/2023

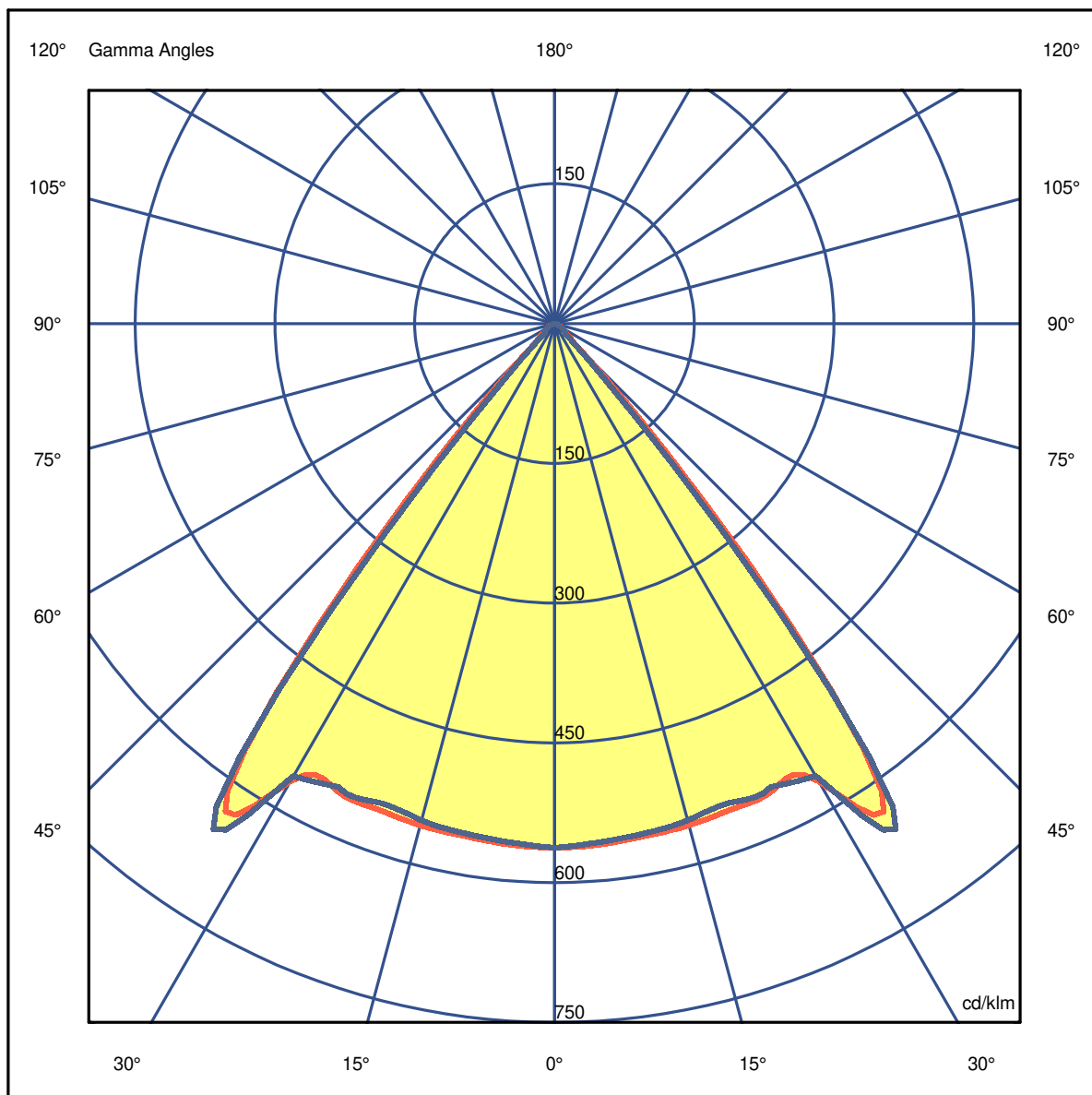
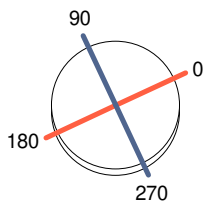
Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm	Luminaire Power	12.4 W	Efficacy	115.084 lm/W	Efficiency	84.87%
Source Flux	1680 lm	Maximum value	633.00 cd/klm	Position	C=90.00 G=35.00	CG	Double Symmetrical

Diam=140mm

C Halfplanes

180.0 — 0.0  
270.0 — 90.0



**Luminaire**

Code 90328L016  
Name 6TH ELEMENT DIR D140 940 80° HO

**Measurem.**

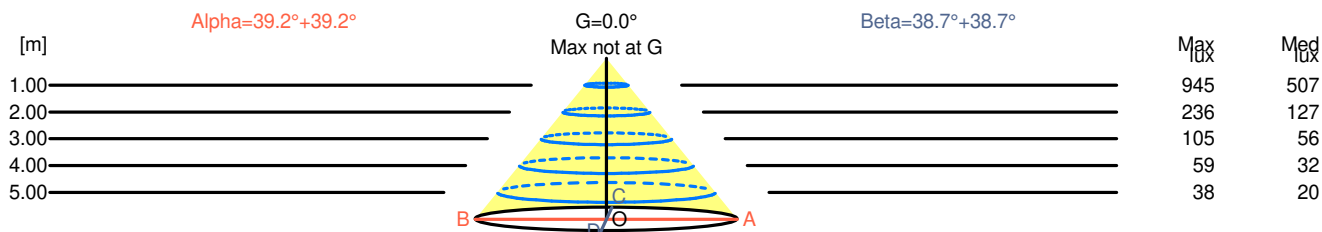
Code 31/1/2023  
Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm	Luminaire Power	12.4 W	Efficacy	115.084 lm/W	Efficiency	84.87%
Source Flux	1680 lm	Maximum value	633.00 cd/klm	Position	C=90.00 G=35.00	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	0.81	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	945.00	942.82	936.26	929.38	1028.16	48.72	17.98	12.77	3.53	1.34
OB	945.00	942.82	936.26	929.38	1028.16	48.72	17.98	12.77	3.53	1.34
OC	945.00	938.28	926.86	921.82	1063.44	44.69	18.31	6.89	3.19	1.01
OD	945.00	938.28	926.86	921.82	1063.44	44.69	18.31	6.89	3.19	1.01



H[m]	D[m]	Max lux	Med lux	Alpha=39.2°+39.2°	G=0.0 Max not at G
1.00	1.63	945	507		
2.00	3.26	236	127		
3.00	4.89	105	56		
4.00	6.52	59	32		
5.00	8.15	38	20		

H[m]	D[m]	Max lux	Med lux	Beta=38.7°+38.7°	G=0.0 Max not at G
1.00	1.60	945	507		
2.00	3.21	236	127		
3.00	4.81	105	56		
4.00	6.42	59	32		
5.00	8.02	38	20		

**Luminaire**

Code 90328L016  
Name 6TH ELEMENT DIR D140 940 80° HO

**Measurem.**

Code 31/1/2023  
Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm	Luminaire Power	12.4 W	Efficacy	115.084 lm/W	Efficiency	84.87%
Source Flux	1680 lm	Maximum value	633.00 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	Lateral View					Viewed Endwise				
x=2H y=2H	23.6	24.3	23.8	24.5	24.7	23.6	24.3	23.8	24.5	24.7
x=2H y=3H	23.5	24.1	23.7	24.3	24.6	23.4	24.1	23.7	24.3	24.5
x=2H y=4H	23.4	24.0	23.7	24.2	24.5	23.4	24.0	23.7	24.2	24.5
x=2H y=6H	23.3	23.9	23.6	24.1	24.4	23.3	23.8	23.6	24.1	24.4
x=2H y=8H	23.3	23.8	23.6	24.1	24.4	23.3	23.8	23.6	24.1	24.4
x=2H y=12H	23.2	23.7	23.6	24.0	24.3	23.2	23.7	23.6	24.0	24.3
x=4H y=2H	23.4	24.0	23.7	24.2	24.5	23.4	24.0	23.7	24.2	24.5
x=4H y=3H	23.2	23.7	23.6	24.0	24.3	23.2	23.7	23.6	24.0	24.3
x=4H y=4H	23.2	23.6	23.5	23.9	24.3	23.2	23.6	23.5	23.9	24.3
x=4H y=6H	23.1	23.4	23.5	23.8	24.2	23.1	23.4	23.5	23.8	24.2
x=4H y=8H	23.1	23.4	23.5	23.8	24.1	23.0	23.4	23.4	23.7	24.1
x=4H y=12H	23.0	23.3	23.4	23.7	24.1	23.0	23.3	23.4	23.7	24.1
x=8H y=4H	23.0	23.4	23.5	23.7	24.1	23.0	23.3	23.4	23.7	24.1
x=8H y=6H	23.0	23.2	23.4	23.6	24.1	22.9	23.2	23.4	23.6	24.0
x=8H y=8H	22.9	23.1	23.4	23.6	24.0	22.9	23.1	23.4	23.5	24.0
x=8H y=12H	22.9	23.0	23.4	23.5	24.0	22.9	23.0	23.3	23.5	24.0
x=12H y=4H	23.0	23.3	23.4	23.7	24.1	23.0	23.3	23.4	23.7	24.1
x=12H y=6H	22.9	23.1	23.4	23.6	24.0	22.9	23.1	23.4	23.5	24.0
x=12H y=8H	22.9	23.0	23.4	23.5	24.0	22.9	23.0	23.3	23.5	24.0

**Luminaire**

Code 90328L016

Name 6TH ELEMENT DIR D140 940 80° HO

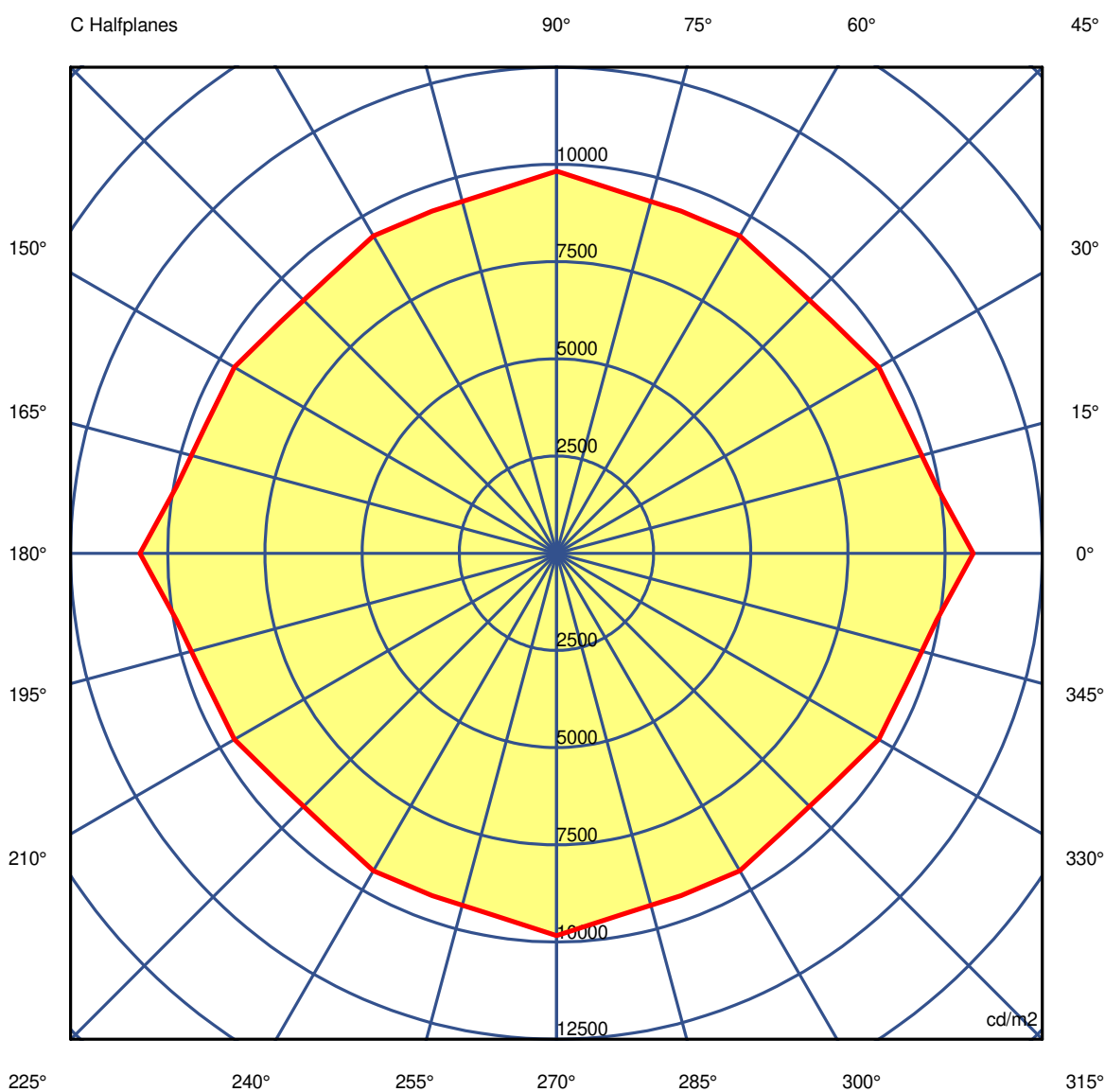
**Measurem.**

Code 31/1/2023

Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm	Luminaire Power	12.4 W	Efficacy	115.084 lm/W	Efficiency	84.87%
Source Flux	1680 lm	Maximum value	633.00 cd/klm	Position	C=90.00 G=35.00	CG Double Symmetrical	

Luminance



45.0°

**Luminaire**

Code 90328L016

Name 6TH ELEMENT DIR D140 940 80° HO

**Measur.**

Code 31/1/2023

Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm		Luminaire Power		12.4 W		Efficacy		115.084 lm/W		Efficiency		84.87%	
Source Flux	1680 lm		Maximum value		633.00 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	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	
G 5.0	301177	301177	301051	300748	300560	300063	299782	300650	300840	299728	300840	300650	299782	
G 10.0	275137	274261	274371	274891	274322	273639	273610	274019	274115	273709	274115	274019	273610	
G 15.0	255612	254982	254576	254419	254234	253364	252401	252668	252982	253043	252982	252668	252401	
G 20.0	239630	239601	239529	239414	238360	237325	236908	236972	236909	236519	236909	236972	236908	
G 25.0	227568	227015	226854	226910	226617	226130	225922	226294	226324	225717	226324	226294	225922	
G 30.0	224283	222744	221866	221832	221990	221664	221080	222165	222665	221673	222665	222165	221080	
G 35.0	234688	239273	240242	239328	241122	240838	238906	240930	242434	242741	242434	240930	238906	
G 40.0	93488	80059	75875	75600	74240	75455	77813	74103	72200	75450	72200	74103	77813	
G 45.0	10720	9925	9605	9574	9266	9212	9426	9366	9443	9833	9443	9366	9426	
G 50.0	6132	5944	5722	5508	5411	5510	5618	5450	5340	5435	5340	5450	5618	
G 55.0	3933	4247	4136	3749	3666	3884	4080	3939	3856	4006	3856	3939	4080	
G 60.0	3448	4074	3766	2855	2627	3155	3745	3572	3450	3596	3450	3572	3745	
G 65.0	2864	2233	1734	1432	1316	1359	1583	1951	1968	1545	1968	1951	1583	
G 70.0	1120	1003	833	657	596	672	811	901	944	966	944	901	811	
G 75.0	838	748	585	399	321	335	439	637	732	758	732	637	439	
G 80.0	666	636	492	291	196	135	166	421	555	583	555	421	166	
G 85.0	351	351	295	175	175	175	175	302	353	263	353	302	175	
G 90.0	187	187	187	187	187	187	187	187	187	187	187	187	187	

**Luminaire**

Code 90328L016

Name 6TH ELEMENT DIR D140 940 80° HO

**Measur.**

Code 31/1/2023

Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm		Luminaire Power		12.4 W		Efficacy		115.084 lm/W		Efficiency		84.87%		
Source Flux	1680 lm		Maximum value		633.00 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	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225	
G 5.0	300063	300560	300748	301051	301177	301177	301177	301051	300748	300560	300063	299782	300650		
G 10.0	273639	274322	274891	274371	274261	275137	274261	274371	274891	274322	273639	273610	274019		
G 15.0	253364	254234	254419	254576	254982	255612	254982	254576	254419	254234	253364	252401	252668		
G 20.0	237325	238360	239414	239529	239601	239630	239601	239529	239414	238360	237325	236908	236972		
G 25.0	226130	226617	226910	226854	227015	227568	227015	226854	226910	226617	226130	225922	226294		
G 30.0	221664	221990	221832	221866	222744	224283	222744	221866	221832	221990	221664	221080	222165		
G 35.0	240838	241122	239328	240242	239273	234688	239273	240242	239328	241122	240838	238906	240930		
G 40.0	75455	74240	75600	75875	80059	93488	80059	75875	75600	74240	75455	77813	74103		
G 45.0	9212	9266	9574	9605	9925	10720	9925	9605	9574	9266	9212	9426	9366		
G 50.0	5510	5411	5508	5722	5944	6132	5944	5722	5508	5411	5510	5618	5450		
G 55.0	3884	3666	3749	4136	4247	3933	4247	4136	3749	3666	3884	4080	3939		
G 60.0	3155	2627	2855	3766	4074	3448	4074	3766	2855	2627	3155	3745	3572		
G 65.0	1359	1316	1432	1734	2233	2864	2233	1734	1432	1316	1359	1583	1951		
G 70.0	672	596	657	833	1003	1120	1003	833	657	596	672	811	901		
G 75.0	335	321	399	585	748	838	748	585	399	321	335	439	637		
G 80.0	135	196	291	492	636	666	636	492	291	196	135	166	421		
G 85.0	175	175	175	295	351	351	351	295	175	175	175	175	302		
G 90.0	187	187	187	187	187	187	187	187	187	187	187	187	187		

**Luminaire**

Code 90328L016

Name 6TH ELEMENT DIR D140 940 80° HO

**Measurem.**

Code 31/1/2023

Name 6TH ELEMENT DIR D140 940 80° HO

Luminaire Flux	1426 lm	Luminaire Power	12.4 W	Efficacy	115.084 lm/W	Efficiency	84.87%
Source Flux	1680 lm	Maximum value	633.00 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	334225	334225	334225	334225	334225	334225	334225	334225	334225	334225
G 5.0	300840	299728	300840	300650	299782	300063	300560	300748	301051	301177
G 10.0	274115	273709	274115	274019	273610	273639	274322	274891	274371	274261
G 15.0	252982	253043	252982	252668	252401	253364	254234	254419	254576	254982
G 20.0	236909	236519	236909	236972	236908	237325	238360	239414	239529	239601
G 25.0	226324	225717	226324	226294	225922	226130	226617	226910	226854	227015
G 30.0	222665	221673	222665	222165	221080	221664	221990	221832	221866	222744
G 35.0	242434	242741	242434	240930	238906	240838	241122	239328	240242	239273
G 40.0	72200	75450	72200	74103	77813	75455	74240	75600	75875	80059
G 45.0	9443	9833	9443	9366	9426	9212	9266	9574	9605	9925
G 50.0	5340	5435	5340	5450	5618	5510	5411	5508	5722	5944
G 55.0	3856	4006	3856	3939	4080	3884	3666	3749	4136	4247
G 60.0	3450	3596	3450	3572	3745	3155	2627	2855	3766	4074
G 65.0	1968	1545	1968	1951	1583	1359	1316	1432	1734	2233
G 70.0	944	966	944	901	811	672	596	657	833	1003
G 75.0	732	758	732	637	439	335	321	399	585	748
G 80.0	555	583	555	421	166	135	196	291	492	636
G 85.0	353	263	353	302	175	175	175	175	295	351
G 90.0	187	187	187	187	187	187	187	187	187	187