

Luminaire

Code 90328L016

Name 6TH ELEMENT DIR D140 940 50° HO

Measur.

Code 30/1/2023

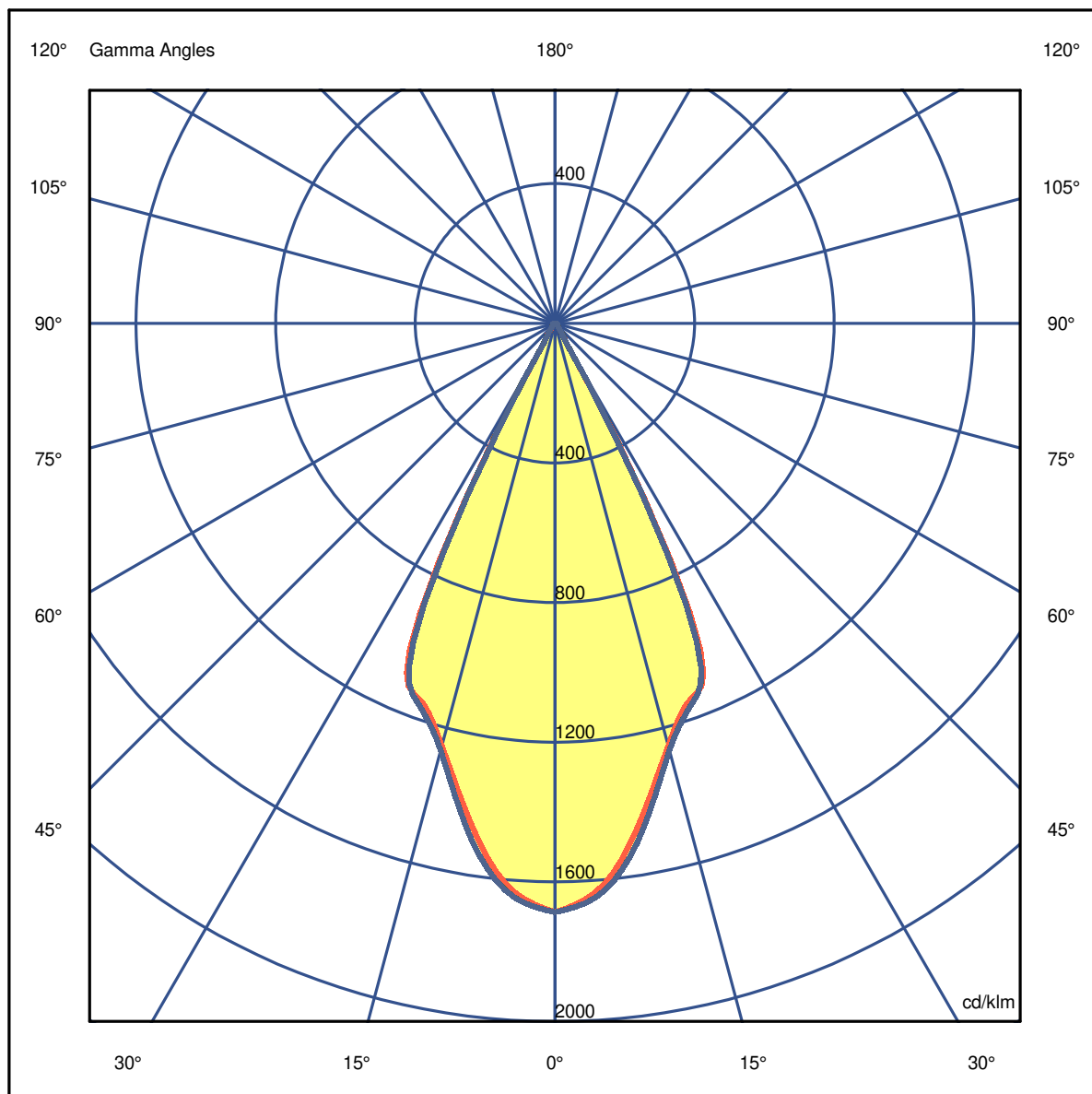
Name 6TH ELEMENT DIR D140 940 50° HO

Luminaire Flux	1510 lm	Luminaire Power	12.4 W	Efficacy	121.896 lm/W	Efficiency	89.90%
Source Flux	1680 lm	Maximum value	1687.00 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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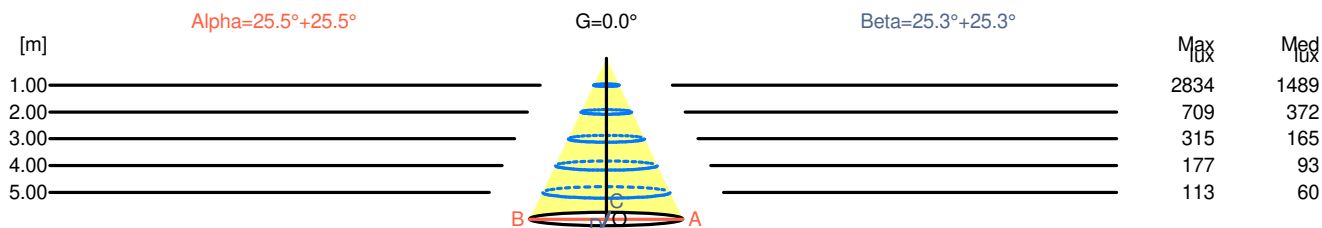
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Width at 50.00 % of Max Intensity

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	0.48	0.95	1.43	1.90	2.38	OC	0.47	0.94	1.42	1.89	2.36
OB	0.48	0.95	1.43	1.90	2.38	OD	0.47	0.94	1.42	1.89	2.36

	0	5	15	25	35	45	55	65	75	85
OA	2834.16	2708.50	2104.37	1539.89	39.65	19.99	14.11	12.26	7.39	4.87
OB	2834.16	2708.50	2104.37	1539.89	39.65	19.99	14.11	12.26	7.39	4.87
OC	2834.16	2739.07	2127.22	1486.80	44.18	18.31	14.11	11.42	7.90	5.21
OD	2834.16	2739.07	2127.22	1486.80	44.18	18.31	14.11	11.42	7.90	5.21



H[m]	D[m]	Max lux	Med lux	Alpha=25.5°+25.5°	G=0.0	
1.00	0.95	2834	1489			
2.00	1.90	709	372			
3.00	2.86	315	165			
4.00	3.81	177	93			
5.00	4.76	113	60			

H[m]	D[m]	Max lux	Med lux	Beta=25.3°+25.3°	G=0.0	
1.00	0.94	2834	1489			
2.00	1.89	709	372			
3.00	2.83	315	165			
4.00	3.78	177	93			
5.00	4.72	113	60			

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Source Flux	1680 lm	Maximum value	1687.00 cd/klm	Position	C=0.00 G=0.00	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	7.7	8.3	7.9	8.5	8.7	7.5	8.2	7.7	8.4	8.5
x=2H y=3H	9.2	9.9	9.5	10.1	10.3	8.9	9.5	9.2	9.7	10.0
x=2H y=4H	9.7	10.3	10.0	10.6	10.8	9.5	10.0	9.8	10.3	10.6
x=2H y=6H	10.5	11.1	10.9	11.4	11.6	10.5	11.1	10.9	11.4	11.6
x=2H y=8H	10.9	11.4	11.3	11.7	12.0	11.0	11.5	11.4	11.8	12.1
x=2H y=12H	11.1	11.6	11.5	11.9	12.2	11.3	11.8	11.6	12.1	12.4
x=4H y=2H	7.9	8.5	8.2	8.8	9.0	7.9	8.4	8.2	8.7	8.9
x=4H y=3H	9.4	9.9	9.8	10.2	10.5	9.4	9.9	9.7	10.2	10.5
x=4H y=4H	10.0	10.4	10.4	10.7	11.1	10.0	10.5	10.4	10.8	11.1
x=4H y=6H	11.2	11.5	11.5	11.9	12.2	11.5	11.8	11.9	12.2	12.6
x=4H y=8H	11.7	12.0	12.1	12.4	12.8	12.1	12.4	12.5	12.8	13.2
x=4H y=12H	12.0	12.2	12.4	12.6	13.1	12.4	12.7	12.8	13.1	13.5
x=8H y=4H	10.0	10.3	10.4	10.7	11.1	10.0	10.4	10.5	10.7	11.1
x=8H y=6H	11.4	11.6	11.8	12.0	12.4	11.7	12.0	12.2	12.4	12.8
x=8H y=8H	12.0	12.2	12.5	12.6	13.1	12.5	12.7	13.0	13.1	13.6
x=8H y=12H	12.4	12.6	12.9	13.0	13.5	12.9	13.1	13.4	13.5	14.0
x=12H y=4H	10.1	10.3	10.5	10.7	11.1	10.1	10.3	10.5	10.7	11.2
x=12H y=6H	11.5	11.6	11.9	12.1	12.5	11.8	12.0	12.3	12.4	12.9
x=12H y=8H	12.1	12.3	12.6	12.7	13.2	12.6	12.7	13.1	13.2	13.7

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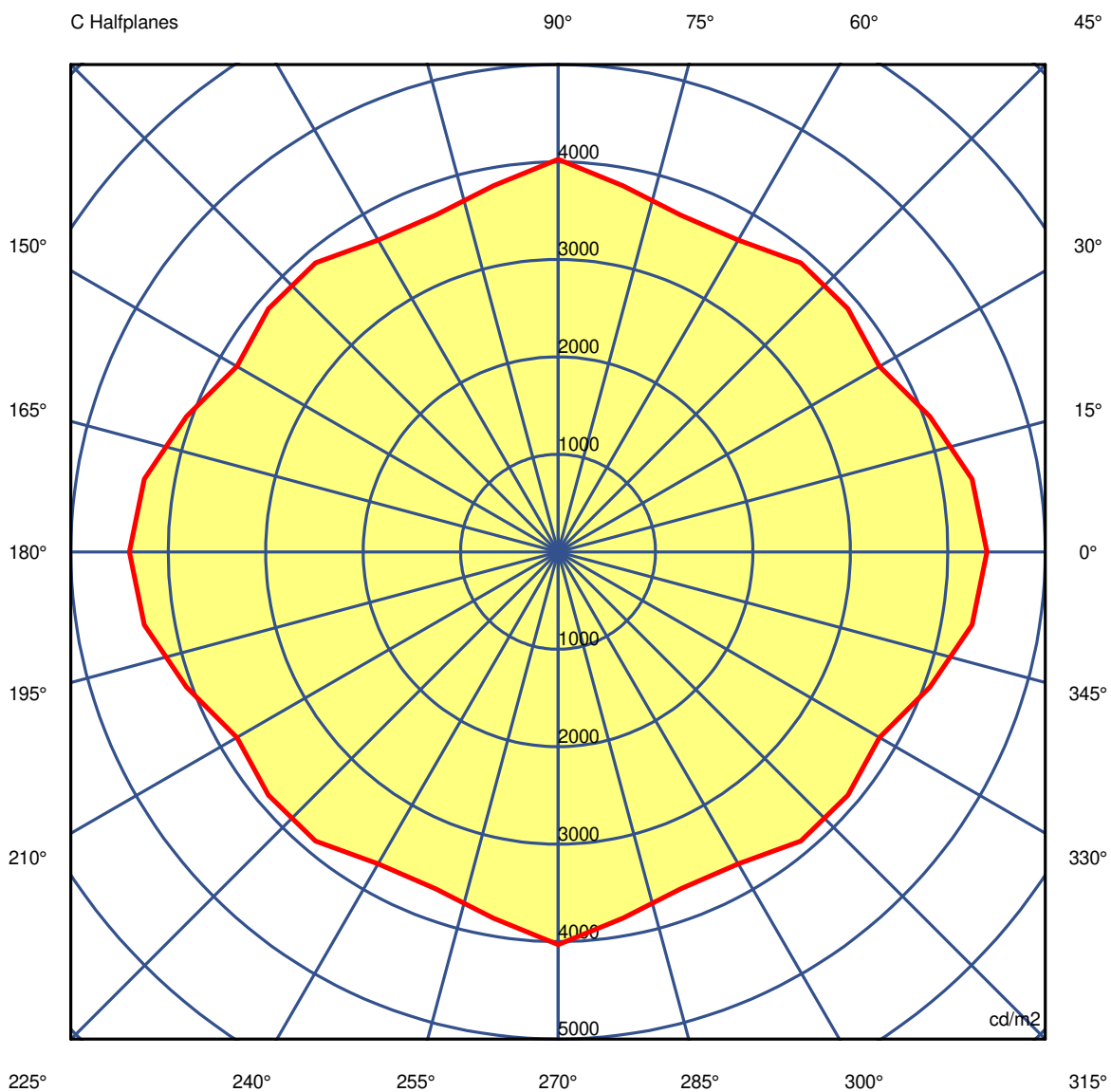
Measurem.

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Luminaire Flux	1510 lm	Luminaire Power	12.4 W	Efficacy	121.896 lm/W	Efficiency	89.90%
Source Flux	1680 lm	Maximum value	1687.00 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Source Flux	1680 lm		Maximum value		1687.00 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	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379
G 5.0	865214	866351	867039	867468	867611	868418	869132	867017	868396	874981	868396	867017	869132
G 10.0	706715	708908	710545	711938	713746	714630	714057	713364	715967	722088	715967	713364	714057
G 15.0	574518	576675	577650	577912	578982	580062	579655	577366	577391	580756	577391	577366	579655
G 20.0	493778	494746	495922	497840	500575	501196	499093	496762	496709	499006	496709	496762	499093
G 25.0	377058	375874	376680	378210	379554	384245	390469	383234	372252	364059	372252	383234	390469
G 30.0	25347	25579	25828	25940	25685	25223	24714	24220	23813	23488	23813	24220	24714
G 35.0	9050	9103	9150	9242	9455	9719	9932	10027	10062	10085	10062	10027	9932
G 40.0	5325	5300	5210	5063	5092	5172	5175	5095	5057	5100	5057	5095	5175
G 45.0	4399	4314	4059	3807	3881	3874	3696	3678	3817	4029	3817	3678	3696
G 50.0	3452	3389	3279	3195	3238	3163	3011	3083	3219	3305	3219	3083	3011
G 55.0	3087	3203	3130	2977	3007	2963	2830	2879	2996	3087	2996	2879	2830
G 60.0	2706	2763	2678	2558	2630	2663	2595	2603	2667	2744	2667	2603	2595
G 65.0	2751	3105	2658	1847	1898	2305	2563	2642	2620	2563	2620	2642	2563
G 70.0	2356	2754	2050	695	332	1161	2279	2382	2391	2395	2391	2382	2279
G 75.0	1756	1756	1318	359	260	411	679	1516	1876	1876	1876	1516	679
G 80.0	2248	2430	2043	1457	1572	1751	1873	2444	2719	2747	2719	2444	1873
G 85.0	1271	1271	1093	701	672	636	701	1154	1359	1359	1359	1154	701
G 90.0	1073	1185	933	467	275	188	327	969	1245	887	1245	969	327

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Source Flux	1680 lm		Maximum value		1687.00 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	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	
G 5.0	868418	867611	867468	867039	866351	865214	866351	867039	867468	867611	868418	869132	867017	
G 10.0	714630	713746	711938	710545	708908	706715	708908	710545	711938	713746	714630	714057	713364	
G 15.0	580062	578982	577912	577650	576675	574518	576675	577650	577912	578982	580062	579655	577366	
G 20.0	501196	500575	497840	495922	494746	493778	494746	495922	497840	500575	501196	499093	496762	
G 25.0	384245	379554	378210	376680	375874	377058	375874	376680	378210	379554	384245	390469	383234	
G 30.0	25223	25685	25940	25828	25579	25347	25579	25828	25940	25685	25223	24714	24220	
G 35.0	9719	9455	9242	9150	9103	9050	9103	9150	9242	9455	9719	9932	10027	
G 40.0	5172	5092	5063	5210	5300	5325	5300	5210	5063	5092	5172	5175	5095	
G 45.0	3874	3881	3807	4059	4314	4399	4314	4059	3807	3881	3874	3696	3678	
G 50.0	3163	3238	3195	3279	3389	3452	3389	3279	3195	3238	3163	3011	3083	
G 55.0	2963	3007	2977	3130	3203	3087	3203	3130	2977	3007	2963	2830	2879	
G 60.0	2663	2630	2558	2678	2763	2706	2763	2678	2558	2630	2663	2595	2603	
G 65.0	2305	1898	1847	2658	3105	2751	3105	2658	1847	1898	2305	2563	2642	
G 70.0	1161	332	695	2050	2754	2356	2754	2050	695	332	1161	2279	2382	
G 75.0	411	260	359	1318	1756	1756	1756	1318	359	260	411	679	1516	
G 80.0	1751	1572	1457	2043	2430	2248	2430	2043	1457	1572	1751	1873	2444	
G 85.0	636	672	701	1093	1271	1271	1271	1093	701	672	636	701	1154	
G 90.0	188	275	467	933	1185	1073	1185	933	467	275	188	327	969	

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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	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379	1002379
G 5.0	868396	874981	868396	867017	869132	868418	867611	867468	867039	866351
G 10.0	715967	722088	715967	713364	714057	714630	713746	711938	710545	708908
G 15.0	577391	580756	577391	577366	579655	580062	578982	577912	577650	576675
G 20.0	496709	499006	496709	496762	499093	501196	500575	497840	495922	494746
G 25.0	372252	364059	372252	383234	390469	384245	379554	378210	376680	375874
G 30.0	23813	23488	23813	24220	24714	25223	25685	25940	25828	25579
G 35.0	10062	10085	10062	10027	9932	9719	9455	9242	9150	9103
G 40.0	5057	5100	5057	5095	5175	5172	5092	5063	5210	5300
G 45.0	3817	4029	3817	3678	3696	3874	3881	3807	4059	4314
G 50.0	3219	3305	3219	3083	3011	3163	3238	3195	3279	3389
G 55.0	2996	3087	2996	2879	2830	2963	3007	2977	3130	3203
G 60.0	2667	2744	2667	2603	2595	2663	2630	2558	2678	2763
G 65.0	2620	2563	2620	2642	2563	2305	1898	1847	2658	3105
G 70.0	2391	2395	2391	2382	2279	1161	332	695	2050	2754
G 75.0	1876	1876	1876	1516	679	411	260	359	1318	1756
G 80.0	2719	2747	2719	2444	1873	1751	1572	1457	2043	2430
G 85.0	1359	1359	1359	1154	701	636	672	701	1093	1271
G 90.0	1245	887	1245	969	327	188	275	467	933	1185