

Luminaire

Code 90328L009

Name 6TH ELEMENT DIR D140 940 50° LO

Measur.

Code 31/1/2023

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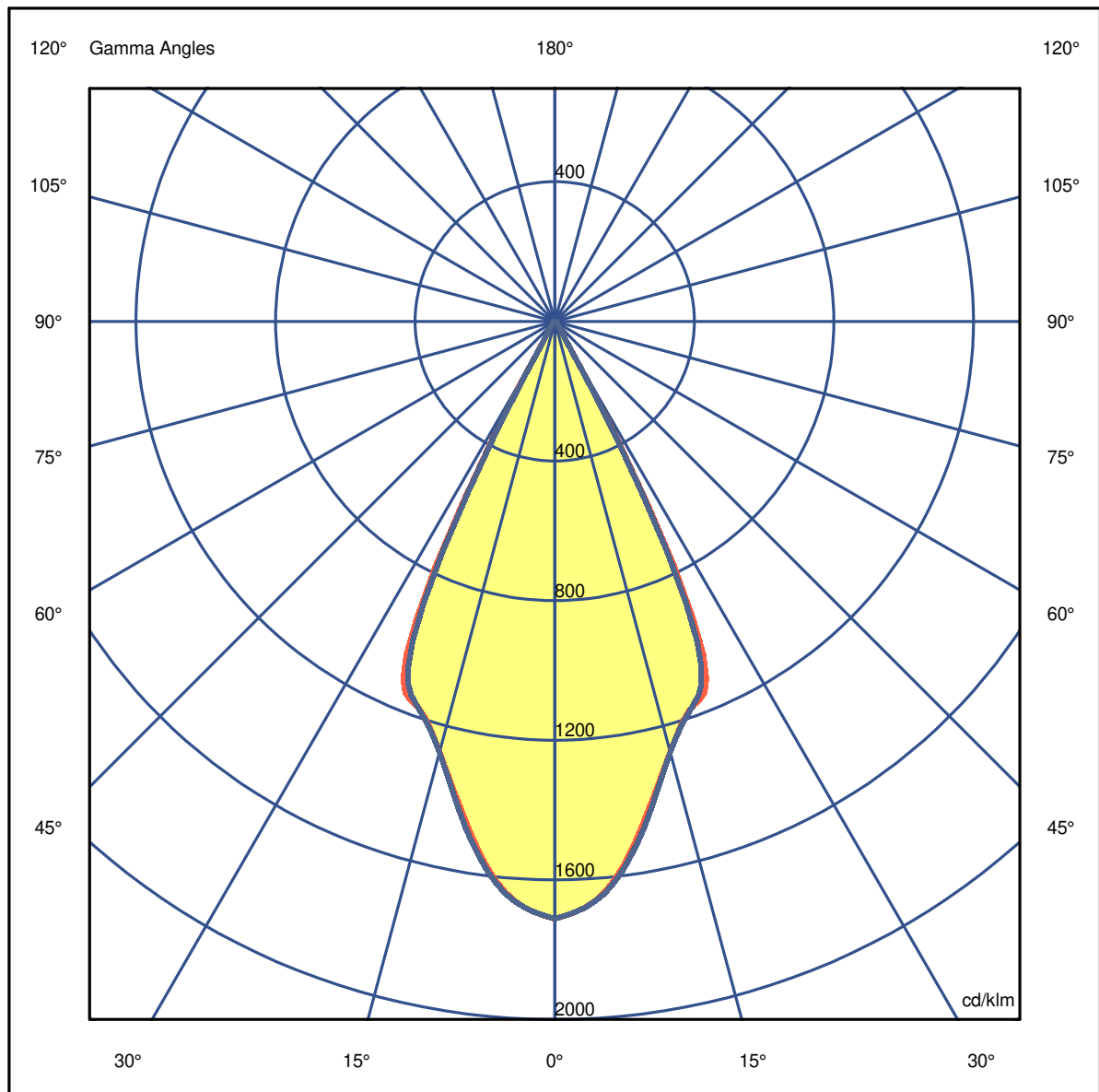
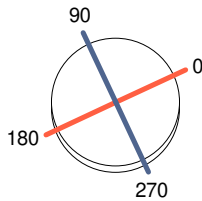
Luminaire Flux	1131 lm	Luminaire Power	8.6 W	Efficacy	131.502 lm/W	Efficiency	91.20%
Source Flux	1240 lm	Maximum value	1711.30 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=140mm

C Halfplanes

180.0 ——— 0.0

270.0 ——— 90.0



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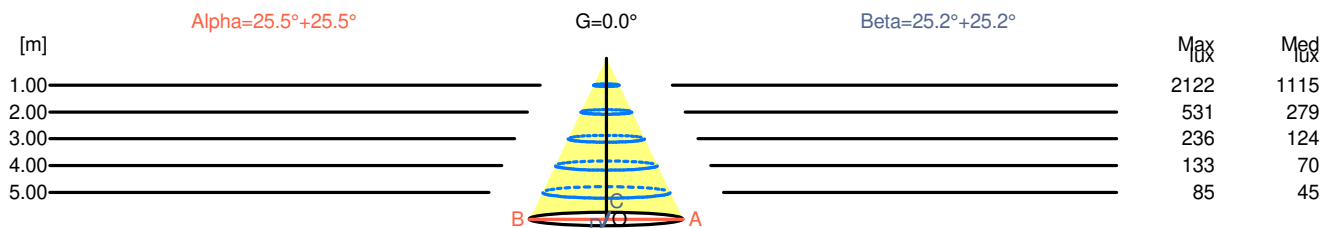
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Width at 50.00 % of Max Intensity

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	1.91	2.39	OC	0.47	0.94	1.41	1.88	2.35
OB	0.48	0.95	1.43	1.91	2.39	OD	0.47	0.94	1.41	1.88	2.35

	0	5	15	25	35	45	55	65	75	85
OA	2122.01	2034.59	1582.98	1161.51	30.01	15.13	10.91	9.55	5.58	4.22
OB	2122.01	2034.59	1582.98	1161.51	30.01	15.13	10.91	9.55	5.58	4.22
OC	2122.01	2037.94	1584.47	1100.25	32.36	13.76	10.66	8.56	5.83	3.84
OD	2122.01	2037.94	1584.47	1100.25	32.36	13.76	10.66	8.56	5.83	3.84



H[m]	D[m]	Max lux	Med lux	Alpha=25.5°+25.5°	G=0.0
1.00	0.95	2122	1115		
2.00	1.91	531	279		
3.00	2.86	236	124		
4.00	3.82	133	70		
5.00	4.77	85	45		

H[m]	D[m]	Max lux	Med lux	Beta=25.2°+25.2°	G=0.0
1.00	0.94	2122	1115		
2.00	1.88	531	279		
3.00	2.82	236	124		
4.00	3.76	133	70		
5.00	4.71	85	45		

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Source Flux	1240 lm	Maximum value	1711.30 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	6.7	7.4	7.0	7.6	7.8	6.5	7.2	6.7	7.4	7.5
x=2H y=3H	8.4	9.0	8.7	9.2	9.5	7.9	8.5	8.2	8.8	9.0
x=2H y=4H	8.9	9.4	9.2	9.7	10.0	8.4	9.0	8.7	9.3	9.5
x=2H y=6H	9.7	10.2	10.0	10.5	10.8	9.7	10.2	10.0	10.5	10.8
x=2H y=8H	10.1	10.6	10.4	10.9	11.2	10.2	10.7	10.5	11.0	11.3
x=2H y=12H	10.3	10.8	10.6	11.1	11.4	10.4	10.9	10.8	11.2	11.5
x=4H y=2H	7.0	7.6	7.3	7.8	8.1	6.9	7.5	7.2	7.7	8.0
x=4H y=3H	8.6	9.0	8.9	9.3	9.7	8.5	8.9	8.8	9.2	9.6
x=4H y=4H	9.1	9.5	9.5	9.9	10.2	9.0	9.4	9.4	9.8	10.1
x=4H y=6H	10.3	10.6	10.7	11.0	11.4	10.7	11.0	11.1	11.4	11.8
x=4H y=8H	10.8	11.1	11.3	11.5	11.9	11.4	11.7	11.8	12.1	12.5
x=4H y=12H	11.2	11.4	11.6	11.8	12.2	11.7	12.0	12.1	12.3	12.8
x=8H y=4H	9.1	9.4	9.6	9.8	10.2	9.0	9.3	9.5	9.7	10.1
x=8H y=6H	10.5	10.7	10.9	11.1	11.5	11.0	11.2	11.4	11.6	12.0
x=8H y=8H	11.1	11.3	11.6	11.8	12.2	11.8	12.0	12.3	12.4	12.9
x=8H y=12H	11.6	11.7	12.0	12.2	12.7	12.2	12.4	12.7	12.8	13.3
x=12H y=4H	9.2	9.5	9.6	9.9	10.3	9.1	9.3	9.5	9.7	10.1
x=12H y=6H	10.5	10.7	11.0	11.2	11.6	11.0	11.2	11.5	11.6	12.1
x=12H y=8H	11.2	11.4	11.7	11.8	12.3	11.9	12.0	12.3	12.5	13.0

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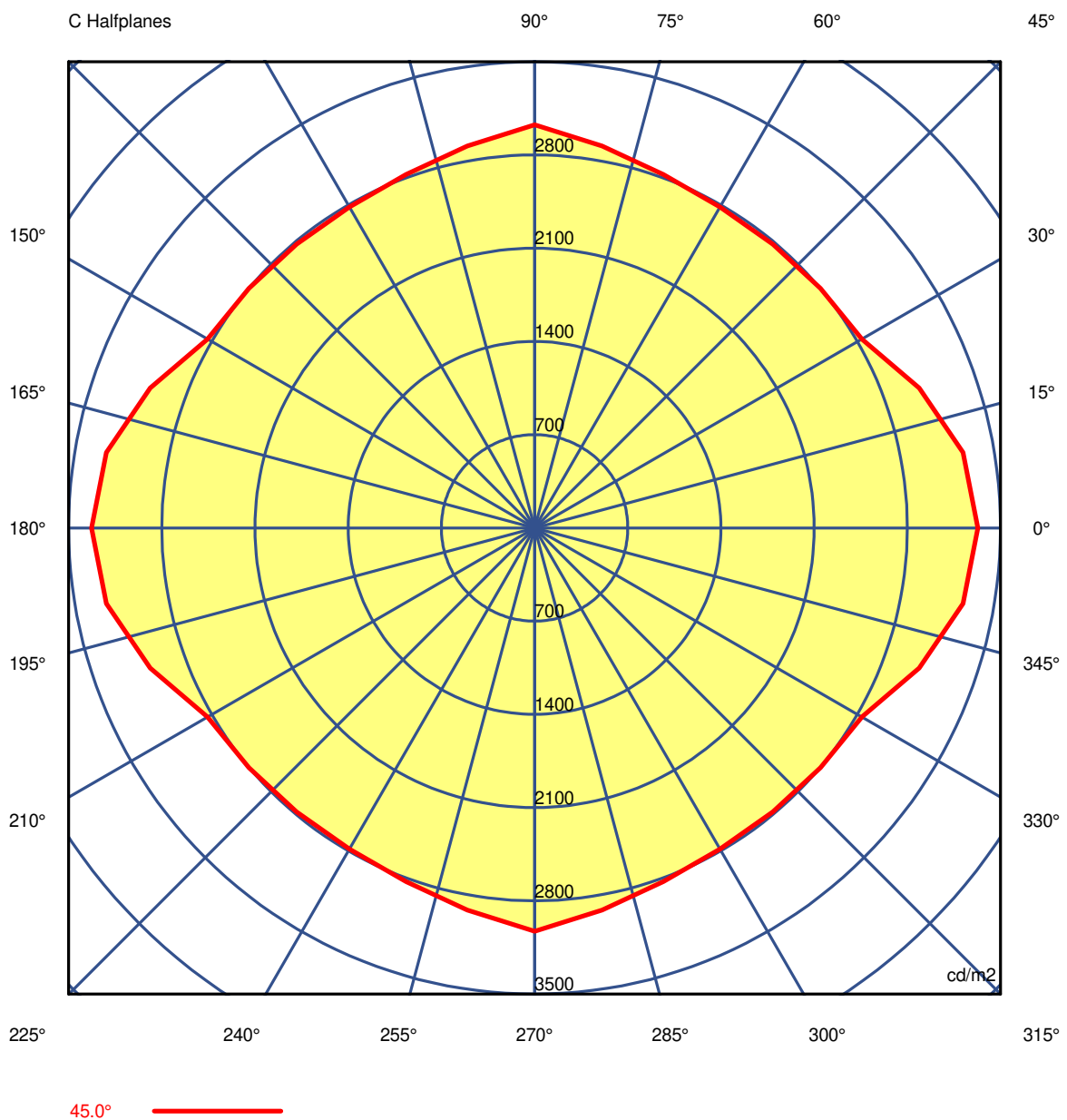
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Luminaire Flux	1131 lm	Luminaire Power	8.6 W	Efficacy	131.502 lm/W	Efficiency	91.20%
Source Flux	1240 lm	Maximum value	1711.30 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



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Luminaire Flux	1131 lm	Luminaire Power				8.6 W	Efficacy	131.502 lm/W			Efficiency	91.20%	
Source Flux	1240 lm	Maximum value				1711.30 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	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508
G 5.0	649939	649822	649643	649543	649649	649688	649662	650670	651287	651009	651287	650670	649662
G 10.0	530460	531676	532129	532606	534452	535255	534897	535595	535988	535406	535988	535595	534897
G 15.0	432174	431884	431801	432309	433415	433039	432140	433637	434232	432580	434232	433637	432140
G 20.0	372428	371636	371462	372014	372785	372908	372747	373322	373075	371535	373075	373322	372747
G 25.0	284408	285101	283510	281220	282286	285364	288082	288051	281565	269409	281565	288051	288082
G 30.0	18591	18700	19189	19700	19455	18905	18416	17988	17737	17657	17737	17988	18416
G 35.0	6850	6798	6810	6906	7075	7320	7529	7539	7461	7387	7461	7539	7529
G 40.0	4096	4037	3916	3820	3885	3866	3764	3823	3908	3930	3908	3823	3764
G 45.0	3329	3267	3074	2837	2801	2783	2783	2826	2914	3028	2914	2826	2783
G 50.0	2629	2575	2520	2466	2417	2347	2304	2367	2447	2493	2447	2367	2304
G 55.0	2387	2436	2428	2360	2274	2173	2116	2176	2266	2333	2266	2176	2116
G 60.0	2107	2107	2046	1943	2006	1989	1888	1946	2030	2052	2030	1946	1888
G 65.0	2142	2348	2044	1474	1403	1705	2003	1984	1945	1919	1945	1984	2003
G 70.0	1938	2142	1595	599	283	905	1767	1767	1786	1824	1786	1767	1767
G 75.0	1326	1326	1011	324	324	349	501	1070	1345	1385	1345	1070	501
G 80.0	1751	1890	1500	952	1110	1313	1444	2010	2299	2058	2299	2010	1444
G 85.0	1100	1064	898	647	488	449	582	907	1079	1003	1079	907	582
G 90.0	896	896	743	379	241	158	241	765	981	654	981	765	241

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Source Flux	1240 lm		Maximum value		1711.30 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	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508	
G 5.0	649688	649649	649543	649643	649822	649939	649822	649643	649543	649649	649688	649662	650670	
G 10.0	535255	534452	532606	532129	531676	530460	531676	532129	532606	534452	535255	534897	535595	
G 15.0	433039	433415	432309	431801	431884	432174	431884	431801	432309	433415	433039	432140	433637	
G 20.0	372908	372785	372014	371462	371636	372428	371636	371462	372014	372785	372908	372747	373322	
G 25.0	285364	282286	281220	283510	285101	284408	285101	283510	281220	282286	285364	288082	288051	
G 30.0	18905	19455	19700	19189	18700	18591	18700	19189	19700	19455	18905	18416	17988	
G 35.0	7320	7075	6906	6810	6798	6850	6798	6810	6906	7075	7320	7529	7539	
G 40.0	3866	3885	3820	3916	4037	4096	4037	3916	3820	3885	3866	3764	3823	
G 45.0	2783	2801	2837	3074	3267	3329	3267	3074	2837	2801	2783	2783	2826	
G 50.0	2347	2417	2466	2520	2575	2629	2575	2520	2466	2417	2347	2304	2367	
G 55.0	2173	2274	2360	2428	2436	2387	2436	2428	2360	2274	2173	2116	2176	
G 60.0	1989	2006	1943	2046	2107	2107	2107	2046	1943	2006	1989	1888	1946	
G 65.0	1705	1403	1474	2044	2348	2142	2348	2044	1474	1403	1705	2003	1984	
G 70.0	905	283	599	1595	2142	1938	2142	1595	599	283	905	1767	1767	
G 75.0	349	324	324	1011	1326	1326	1326	1011	324	324	349	501	1070	
G 80.0	1313	1110	952	1500	1890	1751	1890	1500	952	1110	1313	1444	2010	
G 85.0	449	488	647	898	1064	1100	1064	898	647	488	449	582	907	
G 90.0	158	241	379	743	896	896	896	743	379	241	158	241	765	

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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	750508	750508	750508	750508	750508	750508	750508	750508	750508	750508
G 5.0	651287	651009	651287	650670	649662	649688	649649	649543	649643	649822
G 10.0	535988	535406	535988	535595	534897	535255	534452	532606	532129	531676
G 15.0	434232	432580	434232	433637	432140	433039	433415	432309	431801	431884
G 20.0	373075	371535	373075	373322	372747	372908	372785	372014	371462	371636
G 25.0	281565	269409	281565	288051	288082	285364	282286	281220	283510	285101
G 30.0	17737	17657	17737	17988	18416	18905	19455	19700	19189	18700
G 35.0	7461	7387	7461	7539	7529	7320	7075	6906	6810	6798
G 40.0	3908	3930	3908	3823	3764	3866	3885	3820	3916	4037
G 45.0	2914	3028	2914	2826	2783	2783	2801	2837	3074	3267
G 50.0	2447	2493	2447	2367	2304	2347	2417	2466	2520	2575
G 55.0	2266	2333	2266	2176	2116	2173	2274	2360	2428	2436
G 60.0	2030	2052	2030	1946	1888	1989	2006	1943	2046	2107
G 65.0	1945	1919	1945	1984	2003	1705	1403	1474	2044	2348
G 70.0	1786	1824	1786	1767	1767	905	283	599	1595	2142
G 75.0	1345	1385	1345	1070	501	349	324	324	1011	1326
G 80.0	2299	2058	2299	2010	1444	1313	1110	952	1500	1890
G 85.0	1079	1003	1079	907	582	449	488	647	898	1064
G 90.0	981	654	981	765	241	158	241	379	743	896