

Luminaire

Code 90898Q260
Name FLAT /E L60W60 BOPTICS 840 W LO

Measur.

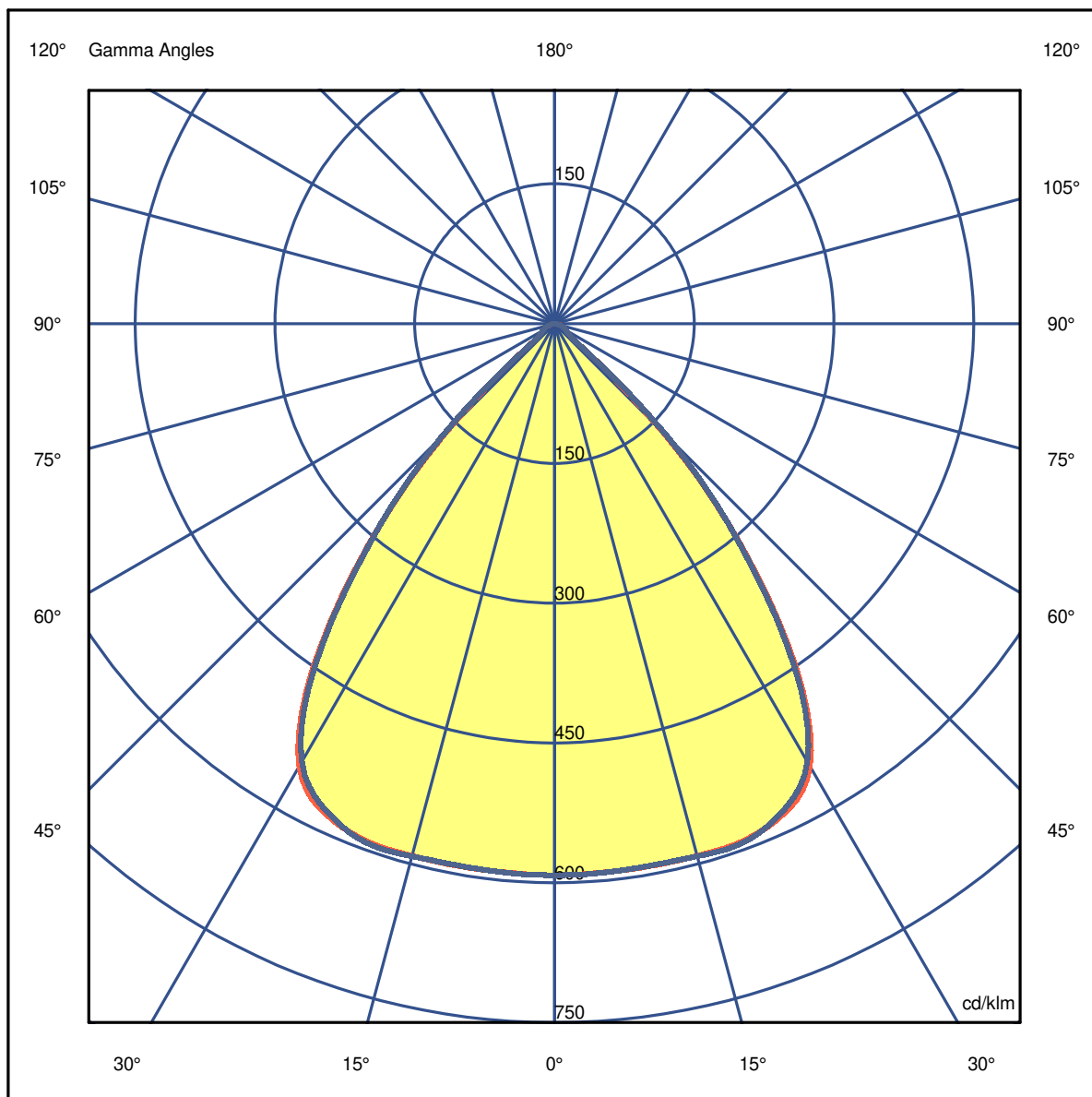
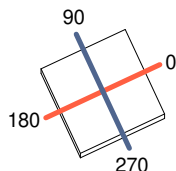
Code 22/10/2024
Name FLAT /E L60W60 BOPTICS 840 W LO

Luminaire Flux	3581 lm	Luminaire Power	21.6 W	Efficacy	165.466 lm/W	Efficiency	97.30%
Source Flux	3680 lm	Maximum value	592.40 cd/klm	Position	C=90.00 G=20.00	CG	Double Symmetrical

595mm x 595mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



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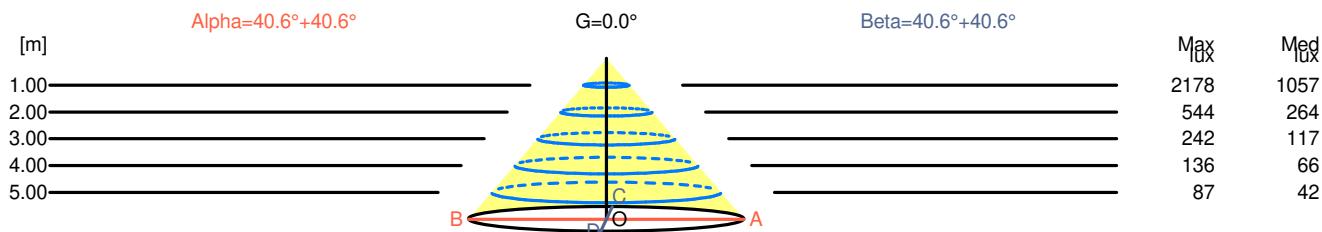
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Width at 50.00 % of Max Intensity

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	0.86	1.71	2.57	3.43	4.28	OC	0.86	1.71	2.57	3.42	4.28
OB	0.86	1.71	2.57	3.43	4.28	OD	0.86	1.71	2.57	3.42	4.28

	0	5	15	25	35	45	55	65	75	85
OA	2177.82	2175.25	2175.25	2136.98	1666.30	610.88	62.56	44.16	22.45	5.89
OB	2177.82	2175.25	2175.25	2136.98	1666.30	610.88	62.56	44.16	22.45	5.89
OC	2177.82	2176.35	2177.09	2126.67	1651.58	630.75	62.93	43.42	21.34	5.15
OD	2177.82	2176.35	2177.09	2126.67	1651.58	630.75	62.93	43.42	21.34	5.15



H[m]	D[m]	Max lux	Med lux	Alpha=40.6°+40.6°	G=0.0	
1.00	1.71	2178	1057			
2.00	3.43	544	264			
3.00	5.14	242	117			
4.00	6.85	136	66			
5.00	8.57	87	42			

H[m]	D[m]	Max lux	Med lux	Beta=40.6°+40.6°	G=0.0	
1.00	1.71	2178	1057			
2.00	3.42	544	264			
3.00	5.13	242	117			
4.00	6.85	136	66			
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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										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	15.7	16.5	15.9	16.7	16.9	15.7	16.5	16.0	16.7	17.0
x=2H y=3H	15.6	16.4	15.9	16.6	16.8	15.6	16.4	15.9	16.6	16.9
x=2H y=4H	15.6	16.3	15.9	16.6	16.8	15.6	16.3	15.9	16.6	16.8
x=2H y=6H	15.6	16.2	15.9	16.5	16.8	15.6	16.2	15.9	16.5	16.8
x=2H y=8H	15.5	16.1	15.9	16.4	16.8	15.5	16.1	15.9	16.4	16.8
x=2H y=12H	15.5	16.1	15.9	16.4	16.7	15.5	16.1	15.9	16.4	16.7
x=4H y=2H	15.5	16.2	15.8	16.5	16.8	15.5	16.3	15.9	16.5	16.8
x=4H y=3H	15.5	16.1	15.8	16.4	16.7	15.5	16.1	15.8	16.4	16.7
x=4H y=4H	15.5	16.0	15.9	16.3	16.7	15.5	16.0	15.9	16.3	16.7
x=4H y=6H	15.5	15.9	15.9	16.3	16.7	15.5	15.9	15.9	16.3	16.6
x=4H y=8H	15.5	15.9	15.9	16.2	16.6	15.4	15.8	15.9	16.2	16.6
x=4H y=12H	15.4	15.8	15.9	16.2	16.6	15.4	15.8	15.9	16.2	16.6
x=8H y=4H	15.4	15.8	15.8	16.2	16.6	15.4	15.8	15.8	16.2	16.6
x=8H y=6H	15.4	15.7	15.9	16.1	16.6	15.4	15.7	15.9	16.1	16.6
x=8H y=8H	15.4	15.7	15.9	16.1	16.6	15.4	15.6	15.8	16.1	16.5
x=8H y=12H	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.8	16.0	16.5
x=12H y=4H	15.4	15.7	15.8	16.1	16.5	15.4	15.7	15.8	16.1	16.6
x=12H y=6H	15.4	15.6	15.8	16.1	16.5	15.4	15.6	15.8	16.1	16.5
x=12H y=8H	15.4	15.6	15.8	16.0	16.6	15.4	15.6	15.8	16.0	16.5

Luminaire

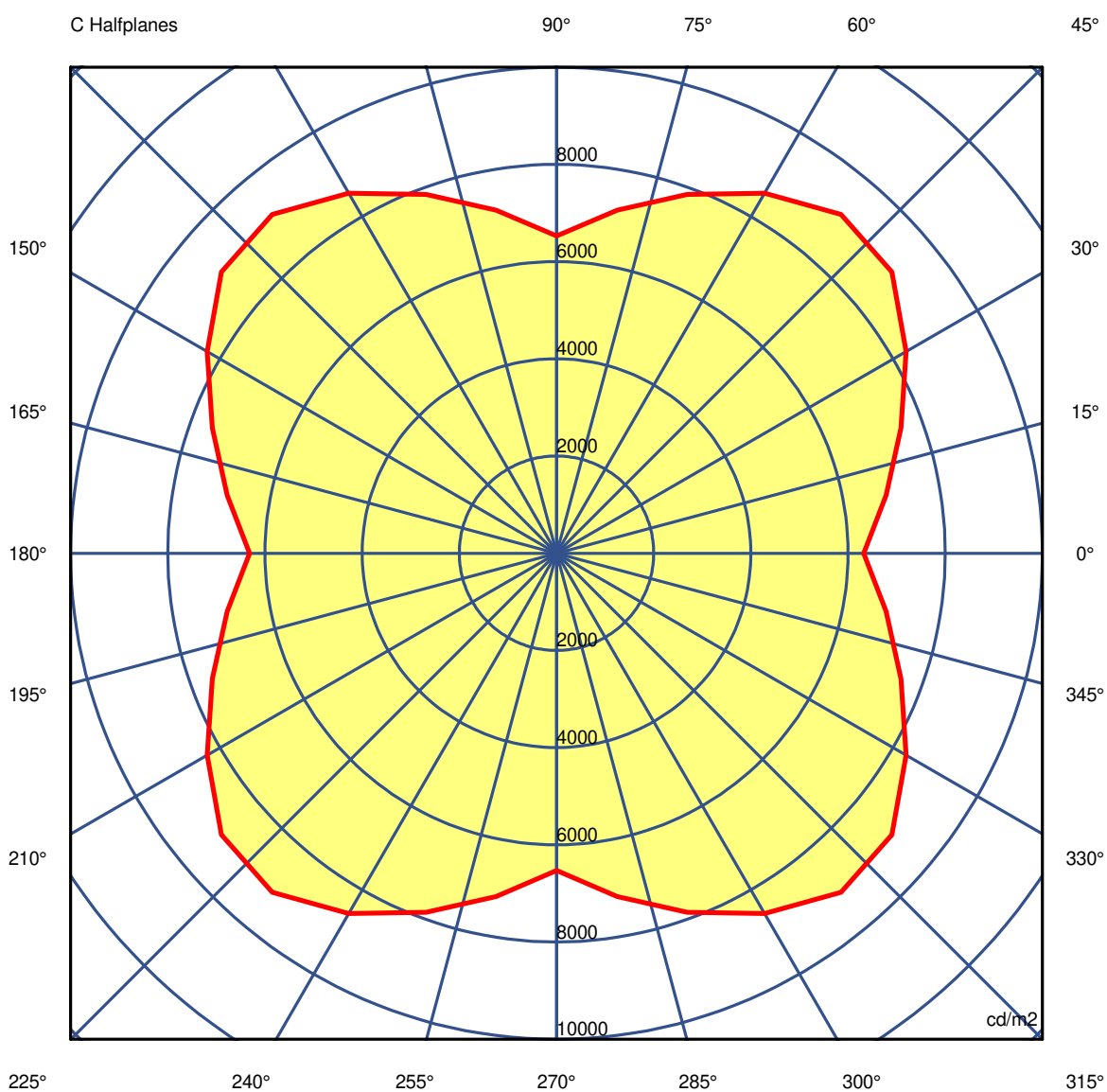
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Luminance



45.0°

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Source Flux	3680 lm		Maximum value		592.40 cd/klm		Position		C=90.00 G=20.00		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	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	
G 5.0	15980	15984	15987	15988	15987	15985	15983	15983	15984	15988	15984	15983	15983	
G 10.0	16160	16150	16151	16157	16151	16141	16135	16134	16138	16146	16138	16134	16135	
G 15.0	16481	16475	16479	16487	16480	16464	16453	16466	16483	16495	16483	16466	16453	
G 20.0	16933	16936	16941	16936	16906	16895	16913	16934	16955	16978	16955	16934	16913	
G 25.0	17256	17272	17278	17271	17255	17241	17227	17202	17183	17173	17183	17202	17227	
G 30.0	17048	17052	17054	17054	17129	17090	16955	16938	16921	16877	16921	16938	16955	
G 35.0	14887	15177	15560	15923	16044	16040	15897	15484	15063	14756	15063	15484	15897	
G 40.0	10983	11161	11597	12562	13396	13371	12488	11486	11064	10923	11064	11486	12488	
G 45.0	6323	6883	7541	8307	9006	9101	8558	7857	7171	6528	7171	7857	8558	
G 50.0	1043	1236	1753	2807	3484	3500	2832	1740	1214	1035	1214	1740	2832	
G 55.0	798	808	848	920	1442	1435	906	844	809	803	809	844	906	
G 60.0	781	781	785	808	849	846	803	783	781	781	781	783	803	
G 65.0	765	772	785	797	788	784	784	772	759	752	759	772	784	
G 70.0	717	724	744	756	734	724	732	719	701	693	701	719	732	
G 75.0	635	657	672	666	635	625	635	623	608	604	608	623	635	
G 80.0	558	570	574	558	523	513	527	520	505	496	505	520	527	
G 85.0	494	494	475	433	433	433	433	433	433	433	433	433	433	
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Source Flux	3680 lm		Maximum value		592.40 cd/klm		Position		C=90.00 G=20.00		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	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938	
G 5.0	15985	15987	15988	15987	15984	15980	15984	15987	15988	15987	15985	15983	15983	
G 10.0	16141	16151	16157	16151	16150	16160	16150	16151	16157	16151	16141	16135	16134	
G 15.0	16464	16480	16487	16479	16475	16481	16475	16479	16487	16480	16464	16453	16466	
G 20.0	16895	16906	16936	16941	16936	16933	16936	16941	16936	16906	16895	16913	16934	
G 25.0	17241	17255	17271	17278	17272	17256	17272	17278	17271	17255	17241	17227	17202	
G 30.0	17090	17129	17054	17054	17052	17048	17052	17054	17054	17129	17090	16955	16938	
G 35.0	16040	16044	15923	15560	15177	14887	15177	15560	15923	16044	16040	15897	15484	
G 40.0	13371	13396	12562	11597	11161	10983	11161	11597	12562	13396	13371	12488	11486	
G 45.0	9101	9006	8307	7541	6883	6323	6883	7541	8307	9006	9101	8558	7857	
G 50.0	3500	3484	2807	1753	1236	1043	1236	1753	2807	3484	3500	2832	1740	
G 55.0	1435	1442	920	848	808	798	808	848	920	1442	1435	906	844	
G 60.0	846	849	808	785	781	781	781	785	808	849	846	803	783	
G 65.0	784	788	797	785	772	765	772	785	797	788	784	784	772	
G 70.0	724	734	756	744	724	717	724	744	756	734	724	732	719	
G 75.0	625	635	666	672	657	635	657	672	666	635	625	635	623	
G 80.0	513	523	558	574	570	558	570	574	558	523	513	527	520	
G 85.0	433	433	433	475	494	494	494	475	433	433	433	433	433	
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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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	15938	15938	15938	15938	15938	15938	15938	15938	15938	15938
G 5.0	15984	15988	15984	15983	15983	15985	15987	15988	15987	15984
G 10.0	16138	16146	16138	16134	16135	16141	16151	16157	16151	16150
G 15.0	16483	16495	16483	16466	16453	16464	16480	16487	16479	16475
G 20.0	16955	16978	16955	16934	16913	16895	16906	16936	16941	16936
G 25.0	17183	17173	17183	17202	17227	17241	17255	17271	17278	17272
G 30.0	16921	16877	16921	16938	16955	17090	17129	17054	17054	17052
G 35.0	15063	14756	15063	15484	15897	16040	16044	15923	15560	15177
G 40.0	11064	10923	11064	11486	12488	13371	13396	12562	11597	11161
G 45.0	7171	6528	7171	7857	8558	9101	9006	8307	7541	6883
G 50.0	1214	1035	1214	1740	2832	3500	3484	2807	1753	1236
G 55.0	809	803	809	844	906	1435	1442	920	848	808
G 60.0	781	781	781	783	803	846	849	808	785	781
G 65.0	759	752	759	772	784	784	788	797	785	772
G 70.0	701	693	701	719	732	724	734	756	744	724
G 75.0	608	604	608	623	635	625	635	666	672	657
G 80.0	505	496	505	520	527	513	523	558	574	570
G 85.0	433	433	433	433	433	433	433	433	475	494
G 90.0	0	0	0	0	0	0	0	0	0	0