

Luminaire

Code 90220L101
Name VISA Q110 830 90°+90° LO

Measurem.

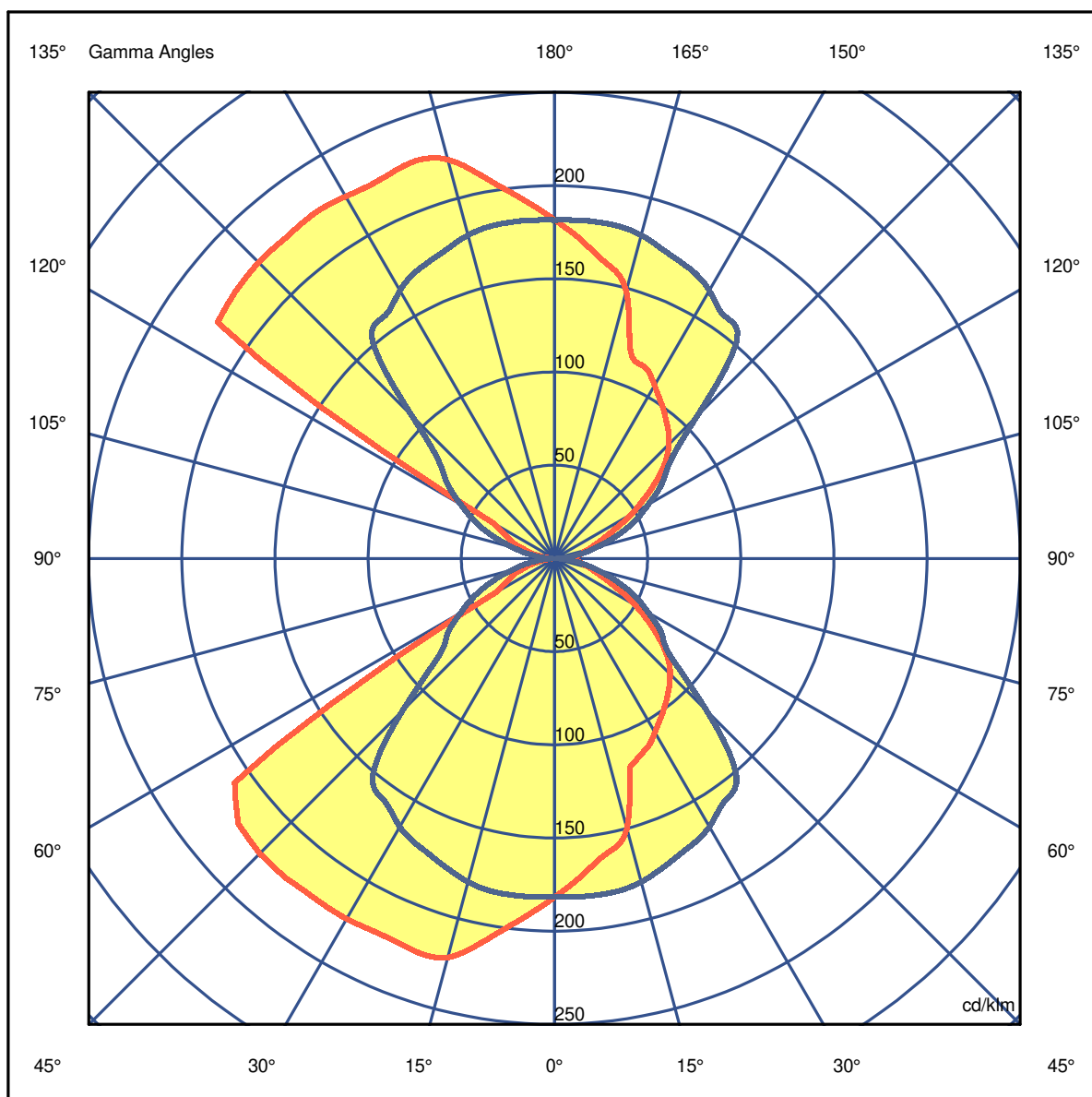
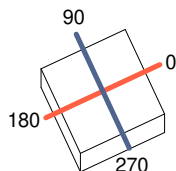
Code 11/8/2023
Name VISA Q110 830 90°+90° LO

Luminaire Flux	135 lm	Luminaire Power	3.0 W	Efficacy	45.000 lm/W	Efficiency	100.00%
Source Flux	135 lm	Maximum value	228.21 cd/klm	Position	C=165.00 G=20.00	CG Asymmetrical	

110mm x 110mm

C Halfplanes

180.0 ——— 0.0
270.0 ——— 90.0



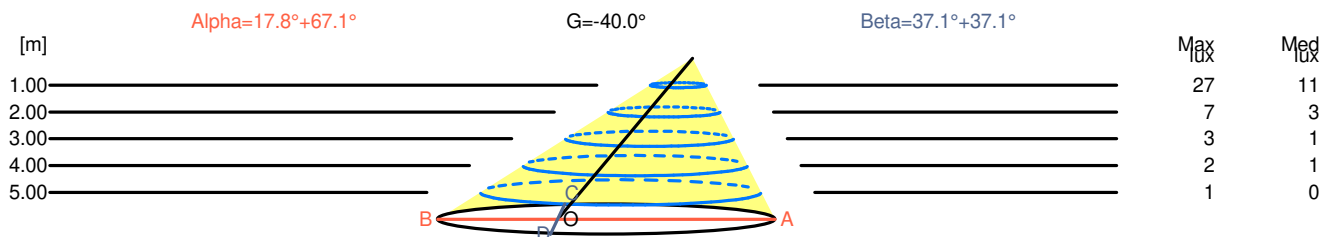
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Source Flux	135 lm	Maximum value	228.21 cd/klm	Position	C=165.00 G=20.00	CG Asymmetrical	

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	1.35	2.70	4.05	5.41	6.76	OC	0.99	1.98	2.97	3.95	4.94
OB	0.75	1.49	2.24	2.98	3.73	OD	0.99	1.98	2.97	3.95	4.94

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	24.52	23.02	20.25	15.36	13.65	11.83	8.63	4.87	2.65	1.46
OB	24.52	26.13	29.91	29.99	30.14	30.21	28.29	3.67	1.93	0.24
OC	24.52	24.56	24.24	23.06	21.46	15.59	9.49	6.41	3.22	0.85
OD	24.52	24.56	24.24	23.06	21.46	15.59	9.49	6.41	3.22	0.85



H[m]	D[m]	Max lux	Med lux	Alpha=17.8°+67.1°	G=-40.0	
1.00	2.10	27	11			
2.00	4.19	7	3			
3.00	6.29	3	1			
4.00	8.39	2	1			
5.00	10.49	1	0			

H[m]	D[m]	Max lux	Med lux	Beta=37.1°+37.1°	G=0.0	
1.00	1.98	27	11			
2.00	3.95	7	3			
3.00	5.93	3	1			
4.00	7.91	2	1			
5.00	9.89	1	0			

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Source Flux	135 lm	Maximum value	228.21 cd/klm	Position	C=165.00 G=20.00	CG	Asymmetrical

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	11.0	11.7	11.8	12.6	13.7	6.7	7.5	7.6	8.4	9.5
x=2H y=3H	10.8	11.5	11.7	12.4	13.6	7.4	8.1	8.3	9.0	10.2
x=2H y=4H	10.7	11.4	11.7	12.3	13.4	7.6	8.2	8.5	9.2	10.3
x=2H y=6H	10.6	11.2	11.6	12.1	13.3	7.7	8.3	8.6	9.2	10.4
x=2H y=8H	10.5	11.1	11.5	12.0	13.2	7.7	8.2	8.6	9.2	10.4
x=2H y=12H	10.5	11.0	11.4	11.9	13.2	7.7	8.2	8.6	9.1	10.4
x=4H y=2H	10.7	11.3	11.6	12.2	13.4	6.8	7.5	7.8	8.4	9.6
x=4H y=3H	10.5	11.1	11.5	12.0	13.2	7.6	8.2	8.6	9.1	10.3
x=4H y=4H	10.5	10.9	11.4	11.9	13.1	7.9	8.4	8.9	9.3	10.6
x=4H y=6H	10.4	10.8	11.4	11.7	13.0	8.1	8.5	9.1	9.4	10.7
x=4H y=8H	10.3	10.7	11.3	11.7	13.0	8.1	8.5	9.1	9.4	10.7
x=4H y=12H	10.2	10.6	11.2	11.6	12.9	8.1	8.4	9.1	9.4	10.7
x=8H y=4H	10.3	10.7	11.3	11.7	12.9	7.8	8.2	8.8	9.2	10.5
x=8H y=6H	10.2	10.5	11.2	11.5	12.8	8.0	8.3	9.1	9.4	10.7
x=8H y=8H	10.1	10.4	11.2	11.4	12.8	8.1	8.4	9.1	9.4	10.7
x=8H y=12H	10.1	10.3	11.1	11.3	12.7	8.1	8.3	9.2	9.4	10.7
x=12H y=4H	10.2	10.5	11.2	11.5	12.8	7.8	8.1	8.8	9.1	10.4
x=12H y=6H	10.1	10.4	11.2	11.4	12.7	8.0	8.3	9.0	9.3	10.6
x=12H y=8H	10.1	10.3	11.1	11.3	12.7	8.1	8.3	9.1	9.3	10.7

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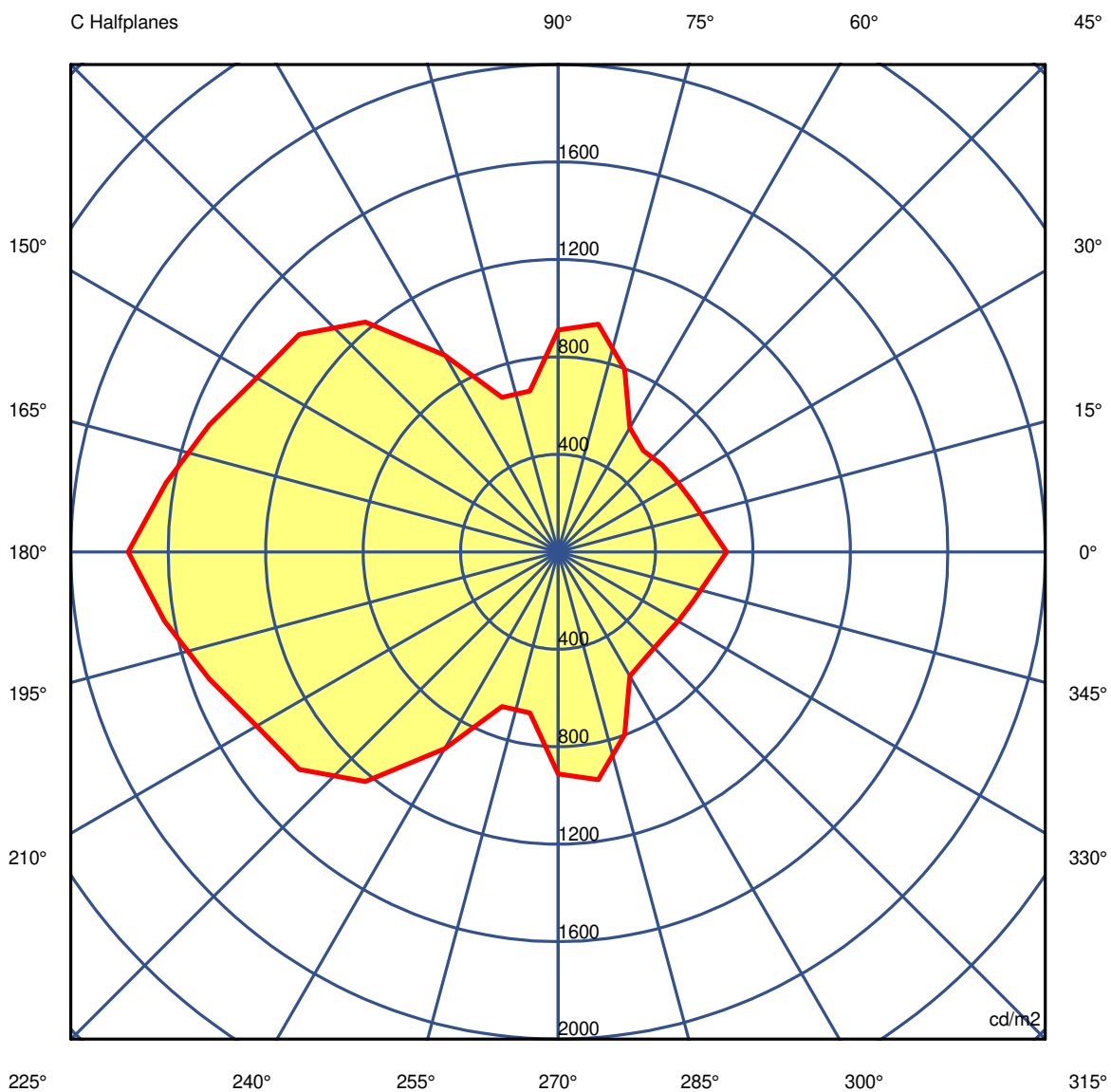
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Source Flux	135 lm	Maximum value	228.21 cd/klm	Position	C=165.00 G=20.00	CG	Asymmetrical

Luminance



Luminaire

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Luminaire Flux	135 lm		Luminaire Power		3.0 W		Efficacy		45.000 lm/W		Efficiency		100.00%	
Source Flux	135 lm		Maximum value		228.21 cd/klm		Position		C=165.00 G=20.00		CG		Asymmetrical	
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	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	
G 5.0	1756	1732	1718	1715	1719	1731	1752	1780	1821	1874	1878	1883	1889	
G 10.0	1548	1508	1486	1482	1489	1510	1545	1594	1663	1751	1748	1753	1770	
G 15.0	1366	1314	1293	1298	1310	1338	1385	1445	1529	1636	1630	1640	1672	
G 20.0	1034	994	946	953	1095	1210	1249	1314	1409	1524	1515	1531	1582	
G 25.0	955	901	873	856	851	930	1126	1213	1293	1434	1426	1450	1517	
G 30.0	880	823	794	777	770	808	941	1095	1231	1358	1348	1366	1414	
G 35.0	810	751	716	702	692	703	736	955	1153	1273	1269	1296	1341	
G 40.0	749	688	649	633	627	636	659	867	1066	1202	1212	1247	1288	
G 45.0	692	628	590	569	557	544	588	797	949	911	671	675	933	
G 50.0	616	551	520	508	489	490	520	557	592	641	585	481	505	
G 55.0	512	454	436	435	418	420	450	481	518	563	509	467	432	
G 60.0	407	359	346	351	342	348	377	404	434	476	428	386	355	
G 65.0	303	266	261	271	266	277	305	321	351	398	348	306	279	
G 70.0	225	198	191	195	197	212	239	263	286	307	251	212	191	
G 75.0	179	196	181	150	144	160	184	200	210	217	168	135	119	
G 80.0	142	118	112	114	111	118	133	141	142	138	99	73	62	
G 85.0	111	89	82	80	73	74	84	85	78	65	34	17	12	
G 90.0	40	44	36	25	31	30	22	30	28	8	8	7	7	

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Source Flux	135 lm		Maximum value		228.21 cd/klm		Position		C=165.00 G=20.00		CG Asymmetrical			
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	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026
G 5.0	1899	1912	1928	1944	1965	1993	1965	1944	1928	1912	1899	1889	1889	1883
G 10.0	1798	1833	1871	1905	1946	1997	1946	1905	1871	1833	1798	1770	1770	1753
G 15.0	1720	1778	1837	1893	1950	2018	1950	1893	1837	1778	1720	1672	1672	1640
G 20.0	1662	1732	1785	1848	1892	1945	1892	1848	1785	1732	1662	1582	1582	1531
G 25.0	1598	1646	1674	1738	1798	1865	1798	1738	1674	1646	1598	1517	1517	1450
G 30.0	1492	1544	1578	1655	1736	1824	1736	1655	1578	1544	1492	1414	1414	1366
G 35.0	1414	1471	1517	1602	1691	1789	1691	1602	1517	1471	1414	1341	1341	1296
G 40.0	1352	1410	1467	1557	1654	1774	1658	1557	1467	1410	1352	1288	1288	1247
G 45.0	1231	1389	1429	1524	1634	1765	1641	1524	1429	1389	1231	933	933	675
G 50.0	1040	1316	1394	1496	1614	1754	1624	1496	1394	1316	1040	505	505	540
G 55.0	313	686	1369	1472	1553	1679	1553	1552	1369	686	412	432	432	467
G 60.0	346	322	286	275	277	291	277	275	286	322	346	355	355	386
G 65.0	260	231	203	207	216	228	216	207	203	231	260	279	279	306
G 70.0	179	165	154	164	176	189	176	164	154	165	179	191	191	212
G 75.0	119	113	104	114	123	130	123	114	104	113	119	119	119	135
G 80.0	66	63	55	63	70	72	70	63	55	63	66	62	62	73
G 85.0	18	20	16	19	20	18	20	19	16	20	18	12	12	17
G 90.0	7	8	8	8	9	11	9	8	8	8	7	7	7	7

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Source Flux	135 lm	Maximum value	228.21 cd/klm	Position	C=165.00 G=20.00	CG	Asymmetrical

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	2026	2026	2026	2026	2026	2026	2026	2026	2026	2026
G 5.0	1878	1874	1821	1780	1752	1731	1719	1715	1718	1732
G 10.0	1748	1751	1663	1594	1545	1510	1489	1482	1486	1508
G 15.0	1630	1636	1529	1445	1385	1338	1310	1298	1293	1314
G 20.0	1515	1524	1409	1314	1249	1210	1095	953	963	994
G 25.0	1426	1434	1293	1213	1126	930	851	856	873	901
G 30.0	1348	1358	1231	1095	941	808	770	777	794	823
G 35.0	1269	1273	1153	955	736	703	692	702	716	751
G 40.0	1212	1202	1066	867	659	636	627	633	649	688
G 45.0	671	911	949	797	588	563	557	569	590	628
G 50.0	585	641	589	557	520	490	489	508	520	551
G 55.0	509	563	518	481	450	420	418	435	436	454
G 60.0	428	476	434	404	377	348	342	351	346	359
G 65.0	348	398	351	321	305	277	266	271	261	266
G 70.0	251	307	286	263	239	212	197	195	191	198
G 75.0	168	217	210	200	184	160	144	150	181	196
G 80.0	99	138	142	141	133	118	111	114	112	118
G 85.0	34	65	78	85	84	74	73	80	82	89
G 90.0	8	8	28	30	22	30	31	25	36	44