

**Luminaire**

Code 90220L101  
Name VISA Q110 840 90°+90° LO

**Measurem.**

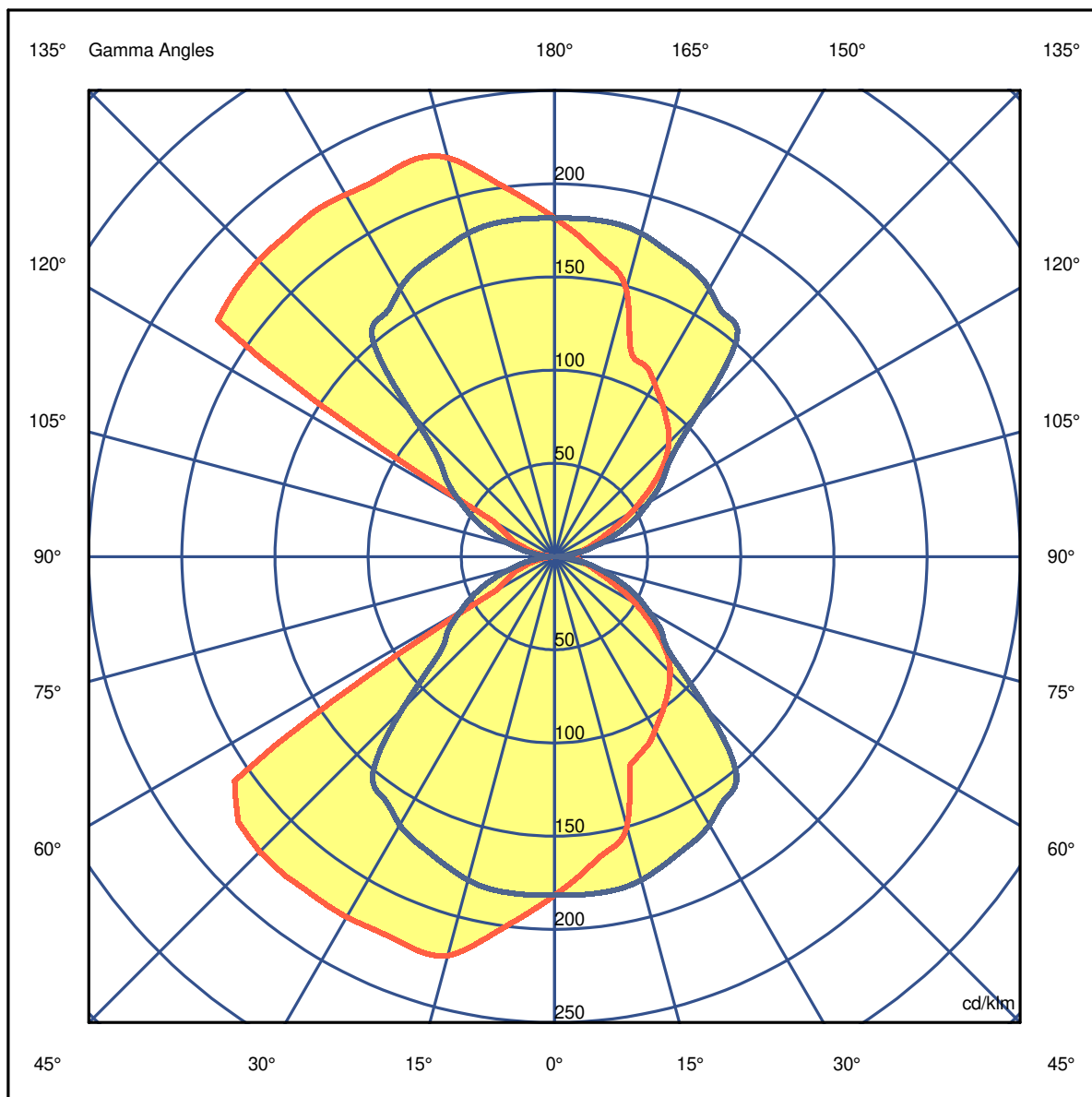
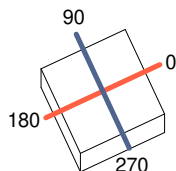
Code 11/8/2023  
Name VISA Q110 840 90°+90° LO

Luminaire Flux	150 lm	Luminaire Power	3.0 W	Efficacy	50.000 lm/W	Efficiency	100.00%
Source Flux	150 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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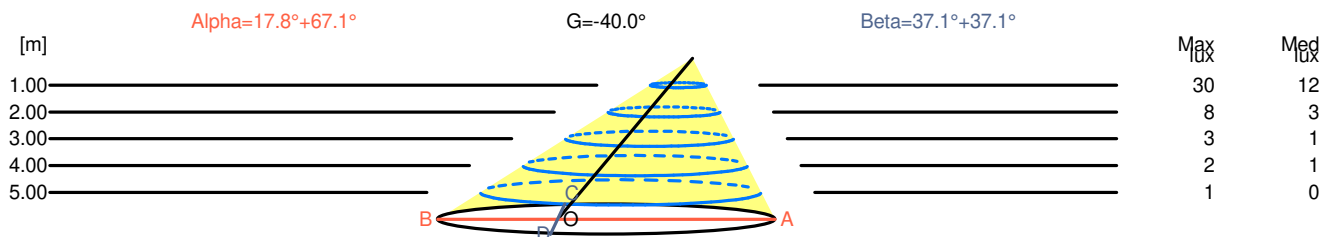
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Width at 50.00 % of Max Intensity

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	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	27.24	25.58	22.50	17.06	15.17	13.15	9.59	5.41	2.94	1.62
OB	27.24	29.03	33.23	33.33	33.49	33.57	31.44	4.08	2.14	0.27
OC	27.24	27.29	26.94	25.62	23.84	17.32	10.54	7.12	3.57	0.94
OD	27.24	27.29	26.94	25.62	23.84	17.32	10.54	7.12	3.57	0.94



H[m]	D[m]	Max lux	Med lux	Alpha=17.8°+67.1°	G=-40.0
1.00	2.10	30	12		
2.00	4.19	8	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	30	12		
2.00	3.95	8	3		
3.00	5.93	3	1		
4.00	7.91	2	1		
5.00	9.89	1	0		

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Luminaire Flux	150 lm	Luminaire Power	3.0 W	Efficacy	50.000 lm/W	Efficiency	100.00%
Source Flux	150 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	11.3	12.1	12.2	13.0	14.1	7.1	7.9	7.9	8.7	9.8
x=2H y=3H	11.2	11.9	12.1	12.8	13.9	7.8	8.5	8.7	9.4	10.5
x=2H y=4H	11.1	11.7	12.0	12.6	13.8	8.0	8.6	8.9	9.5	10.7
x=2H y=6H	11.0	11.6	11.9	12.5	13.7	8.1	8.6	9.0	9.6	10.8
x=2H y=8H	10.9	11.5	11.9	12.4	13.6	8.1	8.6	9.0	9.5	10.8
x=2H y=12H	10.8	11.4	11.8	12.3	13.5	8.0	8.5	9.0	9.5	10.7
x=4H y=2H	11.0	11.7	11.9	12.6	13.7	7.2	7.8	8.1	8.8	9.9
x=4H y=3H	10.9	11.4	11.9	12.4	13.6	8.0	8.5	9.0	9.5	10.7
x=4H y=4H	10.8	11.3	11.8	12.3	13.5	8.3	8.7	9.3	9.7	11.0
x=4H y=6H	10.7	11.1	11.7	12.1	13.4	8.4	8.8	9.4	9.8	11.1
x=4H y=8H	10.7	11.0	11.7	12.0	13.3	8.5	8.8	9.5	9.8	11.1
x=4H y=12H	10.6	10.9	11.6	11.9	13.2	8.4	8.8	9.4	9.8	11.1
x=8H y=4H	10.7	11.0	11.7	12.0	13.3	8.2	8.6	9.2	9.6	10.8
x=8H y=6H	10.6	10.9	11.6	11.9	13.2	8.4	8.7	9.4	9.7	11.0
x=8H y=8H	10.5	10.8	11.5	11.8	13.1	8.5	8.7	9.5	9.7	11.1
x=8H y=12H	10.4	10.7	11.5	11.7	13.0	8.5	8.7	9.5	9.7	11.1
x=12H y=4H	10.6	10.9	11.6	11.9	13.2	8.1	8.5	9.1	9.5	10.8
x=12H y=6H	10.5	10.8	11.5	11.8	13.1	8.4	8.6	9.4	9.6	11.0
x=12H y=8H	10.4	10.7	11.5	11.7	13.0	8.4	8.7	9.5	9.7	11.0

**Luminaire**

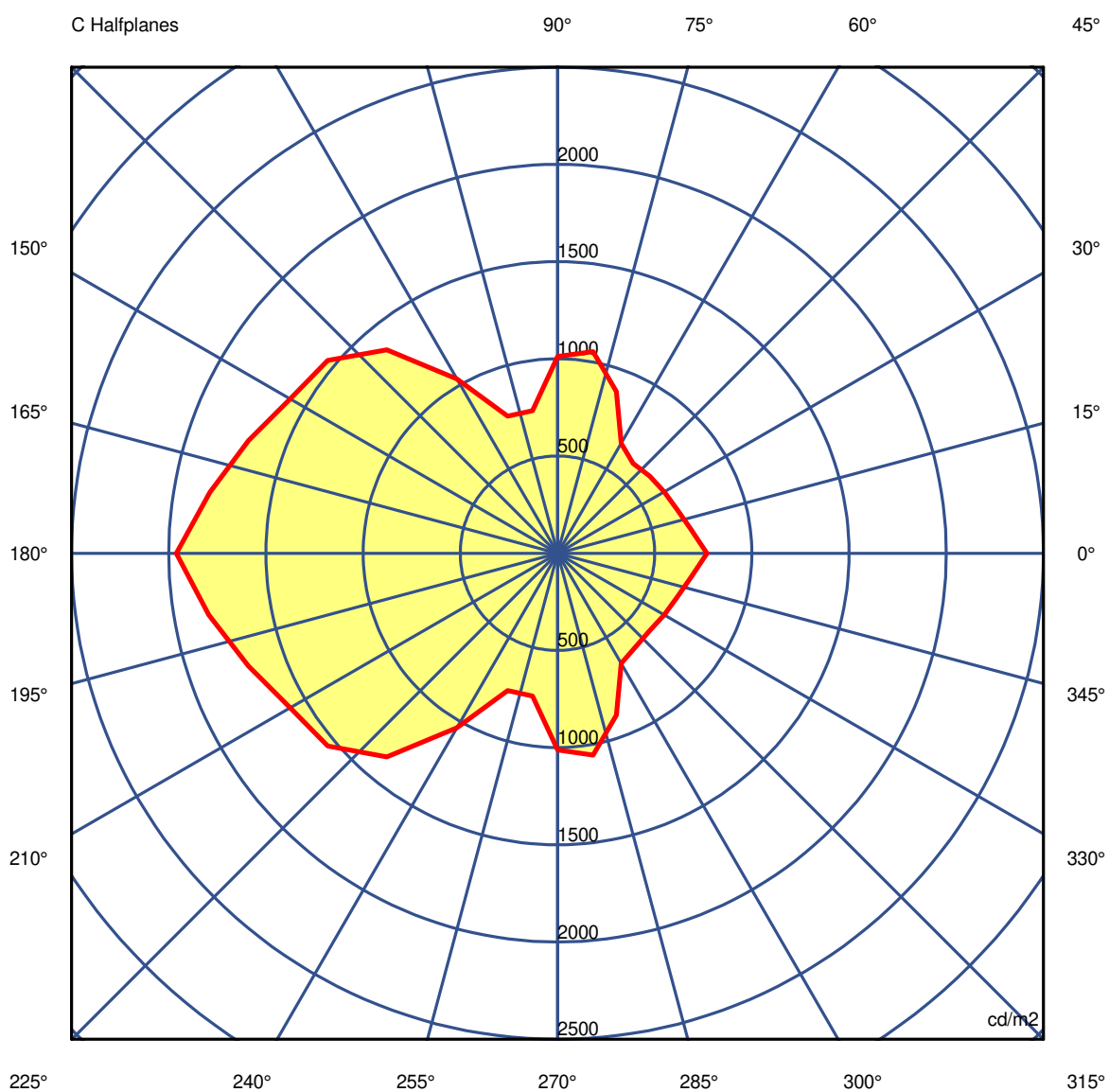
Code 90220L101  
Name VISA Q110 840 90°+90° LO

**Measurem.**

Code 11/8/2023  
Name VISA Q110 840 90°+90° LO

Luminaire Flux	150 lm	Luminaire Power	3.0 W	Efficacy	50.000 lm/W	Efficiency	100.00%
Source Flux	150 lm	Maximum value	228.21 cd/klm	Position	C=165.00 G=20.00	CG	Asymmetrical

Luminance



45.0°

**Luminaire**

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**Measurem.**

Code 11/8/2023

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Luminaire Flux	150 lm		Luminaire Power		3.0 W		Efficacy		50.000 lm/W		Efficiency		100.00%	
Source Flux	150 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	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	
G 5.0	1951	1925	1909	1906	1910	1924	1946	1978	2024	2082	2087	2093	2099	
G 10.0	1720	1675	1651	1646	1654	1678	1717	1771	1848	1945	1943	1948	1967	
G 15.0	1518	1460	1437	1442	1456	1487	1539	1605	1698	1818	1811	1822	1857	
G 20.0	1149	1105	1051	1058	1217	1344	1388	1460	1566	1693	1683	1702	1758	
G 25.0	1061	1002	970	951	945	1033	1251	1348	1437	1593	1584	1611	1686	
G 30.0	977	915	882	863	855	898	1045	1217	1367	1509	1497	1518	1571	
G 35.0	900	835	796	780	769	781	818	1061	1281	1415	1410	1440	1490	
G 40.0	833	764	721	703	697	706	732	964	1184	1336	1346	1385	1431	
G 45.0	768	697	655	632	619	604	654	886	1054	1012	745	751	1037	
G 50.0	685	612	578	564	543	545	578	619	658	712	650	534	561	
G 55.0	569	504	484	483	465	467	500	535	576	626	566	518	480	
G 60.0	452	398	385	390	380	387	419	449	482	529	476	429	394	
G 65.0	336	296	290	301	296	308	339	357	390	443	386	340	310	
G 70.0	250	220	212	216	219	235	265	292	317	341	279	235	212	
G 75.0	198	218	201	167	160	178	204	223	234	241	187	150	132	
G 80.0	158	131	124	126	123	131	148	157	157	154	110	81	69	
G 85.0	124	98	91	89	81	82	93	94	86	72	38	19	14	
G 90.0	44	49	39	28	35	33	24	34	31	9	8	8	7	

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**Measurem.**

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Name VISA Q110 840 90°+90° LO

Luminaire Flux	150 lm		Luminaire Power		3.0 W		Efficacy		50.000 lm/W		Efficiency		100.00%													
Source Flux	150 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	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251
G 5.0	2109	2124	2142	2160	2184	2215	2184	2160	2142	2124	2109	2099	2093	2087	2081	2075	2069	2063	2057	2051	2045	2039	2033	2027	2021	2015
G 10.0	1998	2037	2078	2116	2162	2219	2162	2116	2078	2037	1998	1967	1948	1929	1911	1893	1875	1857	1839	1822	1804	1786	1768	1750	1732	1714
G 15.0	1911	1975	2041	2103	2167	2242	2167	2103	2041	1975	1911	1857	1822	1797	1772	1747	1722	1697	1672	1647	1622	1597	1572	1547	1522	1497
G 20.0	1847	1924	1984	2053	2102	2161	2102	2053	1984	1924	1847	1758	1702	1677	1652	1627	1602	1577	1552	1527	1502	1477	1452	1427	1402	1377
G 25.0	1776	1829	1860	1931	1998	2072	1998	1931	1860	1829	1776	1686	1611	1581	1551	1521	1491	1461	1431	1401	1371	1341	1311	1281	1251	1221
G 30.0	1657	1715	1754	1839	1929	2026	1929	1839	1754	1715	1657	1571	1518	1488	1458	1428	1398	1368	1338	1308	1278	1248	1218	1188	1158	1128
G 35.0	1571	1634	1685	1780	1879	1988	1879	1780	1685	1634	1571	1490	1440	1410	1380	1350	1320	1290	1260	1230	1200	1170	1140	1110	1080	1050
G 40.0	1502	1566	1630	1730	1838	1971	1842	1730	1630	1566	1502	1431	1385	1355	1325	1295	1265	1235	1205	1175	1145	1115	1085	1055	1025	995
G 45.0	1368	1543	1588	1694	1816	1961	1823	1694	1588	1543	1368	1037	751	681	651	621	591	561	531	501	471	441	411	381	351	321
G 50.0	1155	1462	1548	1662	1793	1949	1804	1662	1548	1462	1155	561	600	570	540	510	480	450	420	390	360	330	300	270	240	210
G 55.0	347	762	1521	1636	1726	1865	1726	1724	1521	762	458	480	518	488	458	428	398	368	338	308	278	248	218	188	158	128
G 60.0	384	358	317	306	308	323	308	306	317	358	384	394	429	404	374	344	314	284	254	224	194	164	134	104	74	44
G 65.0	289	256	225	230	241	254	241	230	225	256	289	310	340	315	285	255	225	195	165	135	105	75	45	15	10	5
G 70.0	199	183	171	182	196	210	196	182	171	183	199	212	235	217	199	181	163	145	127	109	91	73	55	37	19	1
G 75.0	132	125	116	127	137	144	137	127	116	125	132	132	150	139	129	119	109	99	89	79	69	59	49	39	29	19
G 80.0	73	70	61	70	77	80	77	70	61	70	73	69	81	75	69	63	57	51	45	39	33	27	21	15	9	3
G 85.0	20	22	18	21	22	20	22	21	18	22	20	14	19	17	15	13	11	9	7	5	3	1	1	1	1	1
G 90.0	8	9	9	9	10	13	10	9	9	9	8	7	8	7	6	5	4	3	2	1	1	1	1	1	1	1

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Source Flux	150 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	2251	2251	2251	2251	2251	2251	2251	2251	2251	2251
G 5.0	2087	2082	2024	1978	1946	1924	1910	1906	1909	1925
G 10.0	1943	1945	1848	1771	1717	1678	1654	1646	1651	1675
G 15.0	1811	1818	1698	1605	1539	1487	1456	1442	1437	1460
G 20.0	1683	1693	1566	1460	1388	1344	1217	1058	1070	1105
G 25.0	1584	1593	1437	1348	1251	1033	945	951	970	1002
G 30.0	1497	1509	1367	1217	1045	898	855	863	882	915
G 35.0	1410	1415	1281	1061	818	781	769	780	796	835
G 40.0	1346	1336	1184	964	732	706	697	703	721	764
G 45.0	745	1012	1054	886	654	626	619	632	655	697
G 50.0	650	712	654	619	578	545	543	564	578	612
G 55.0	566	626	576	535	500	467	465	483	484	504
G 60.0	476	529	482	449	419	387	380	390	385	398
G 65.0	386	443	390	357	339	308	296	301	290	296
G 70.0	279	341	317	292	265	235	219	216	212	220
G 75.0	187	241	234	223	204	178	160	167	201	218
G 80.0	110	154	157	157	148	131	123	126	124	131
G 85.0	38	72	86	94	93	82	81	89	91	98
G 90.0	8	9	31	34	24	33	35	28	39	49