

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-55L35KEX-MWI-MW-TF2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00609_6
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 5/25/2018
 [UPDATE] 7/24/2018
 [LUMCAT] EG1612GV-55L-35K-EX-MWI-MW-TF2
 [LUMINAIRE] Nom. 16.2" diam reflector x 12.5" H decorative Domo Pendant
 [OTHER] 4" Frosted Glass Dome
 [OTHER] 89.1 Degree Beam Angle
 [OTHER] Remote driver in canopy
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] This report generated by Spectrum Lighting
 [_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT] 15L x 0.265, 27L x 0.463, 37L x 0.68
 [_CRI] 85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3868
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.35 ft (Diameter)
Luminous Width (90-270)	1.35 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-55L35KEX-MWI-MW-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9523	10112	10279
55	5006	5175	5231
65	4485	4589	4653
75	4164	4290	4390
85	2962	3470	3577

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293
2.5	1868.296	1869.081	1868.855	1868.926	1866.767	1863.800	1863.470	1860.348	1860.336	1859.966
5.0	1864.976	1868.475	1866.859	1865.740	1860.900	1854.501	1854.719	1849.408	1848.199	1849.124
7.5	1858.129	1860.902	1858.554	1856.324	1851.089	1839.838	1838.836	1832.004	1832.629	1833.534
10.0	1845.070	1849.251	1846.605	1846.329	1835.782	1821.523	1820.900	1813.010	1813.940	1813.565
12.5	1828.282	1831.958	1828.608	1826.891	1816.475	1799.613	1798.852	1791.031	1791.978	1789.526
15.0	1808.341	1812.044	1808.715	1807.064	1793.585	1776.138	1775.932	1767.380	1767.607	1764.669
17.5	1786.845	1789.861	1786.215	1781.620	1768.566	1751.414	1749.386	1741.141	1742.635	1739.180
20.0	1762.837	1766.844	1763.263	1756.424	1745.307	1728.293	1722.332	1716.928	1717.307	1715.306
22.5	1737.860	1743.858	1739.806	1734.851	1722.877	1706.206	1700.943	1695.246	1695.630	1692.442
25.0	1714.238	1720.881	1714.340	1712.464	1698.001	1680.768	1680.034	1671.001	1675.727	1666.571
27.5	1691.011	1691.218	1687.056	1683.879	1672.209	1653.551	1647.748	1644.158	1647.094	1639.199
30.0	1647.994	1660.202	1648.587	1651.974	1632.056	1612.533	1614.688	1607.692	1615.152	1598.997
32.5	1600.598	1607.946	1601.678	1602.768	1587.762	1565.742	1563.984	1563.081	1568.083	1553.610
35.0	1534.261	1552.799	1544.049	1549.550	1531.921	1507.983	1511.842	1506.311	1516.584	1489.645
37.5	1465.116	1469.330	1479.906	1481.513	1473.684	1446.704	1440.858	1441.215	1425.377	1419.949
40.0	1305.581	1383.687	1343.749	1382.290	1345.833	1311.271	1353.460	1295.557	1325.573	1242.043
42.5	1138.116	1165.554	1172.770	1196.606	1207.866	1157.534	1148.912	1104.989	1098.760	1039.778
45.0	896.287	945.303	951.746	996.909	967.416	929.276	942.965	887.676	853.648	819.994
47.5	654.597	741.268	711.162	766.024	718.675	688.286	730.414	658.378	676.540	597.386
50.0	541.940	546.808	569.563	582.299	584.423	560.099	545.886	528.124	505.142	496.696
52.5	433.473	466.076	457.361	481.676	454.533	444.094	460.806	432.203	434.911	407.593
55.0	382.152	390.333	395.060	403.077	399.384	388.603	386.830	376.678	368.434	362.006
57.5	333.544	348.073	343.488	355.644	346.067	336.306	342.591	331.822	333.021	318.344
60.0	305.456	309.080	311.339	318.041	315.620	308.944	305.263	303.211	298.491	293.321
62.5	277.804	285.538	282.144	292.024	285.963	281.712	282.363	277.705	275.426	268.339
65.0	252.296	261.072	258.122	265.845	261.763	256.862	258.413	251.303	251.885	243.963
67.5	226.336	233.660	234.399	239.514	236.585	231.241	232.733	224.786	225.282	218.902
70.0	199.136	206.037	206.477	210.443	207.998	201.463	204.813	197.145	197.443	190.404
72.5	171.494	178.097	177.893	179.951	179.548	172.639	174.900	169.326	166.785	161.574
75.0	143.436	148.193	147.791	150.892	151.248	145.148	145.009	141.048	137.914	132.292
77.5	114.586	118.223	119.680	121.897	121.067	116.063	115.801	113.389	110.029	104.728
80.0	85.957	90.130	92.118	93.137	92.749	88.027	87.899	85.024	82.267	77.603
82.5	58.615	63.789	65.099	65.762	66.521	61.515	61.702	56.168	57.095	51.956
85.0	34.364	38.063	40.260	42.406	41.499	36.286	35.497	32.189	30.863	28.243
87.5	12.966	16.344	16.652	17.887	18.737	13.509	14.179	11.815	10.954	8.044
90.0	1.315	0.907	2.297	1.188	2.196	1.313	0.790	1.452	0.561	1.399
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293	1868.293
2.5	1861.205	1862.673	1864.270	1866.929	1866.091	1868.114	1868.296
5.0	1852.453	1853.131	1855.470	1860.944	1861.223	1864.857	1864.976
7.5	1836.788	1836.444	1841.468	1848.690	1852.349	1854.356	1858.129
10.0	1819.091	1817.772	1823.544	1832.984	1838.839	1842.059	1845.070
12.5	1794.850	1792.603	1802.553	1811.866	1817.518	1823.715	1828.282
15.0	1769.221	1766.837	1779.672	1788.315	1793.704	1804.331	1808.341
17.5	1743.311	1739.553	1752.045	1761.647	1766.461	1780.769	1786.845
20.0	1717.361	1713.199	1722.088	1733.896	1741.434	1756.770	1762.837
22.5	1693.459	1688.725	1696.400	1709.701	1718.875	1735.952	1737.860
25.0	1669.731	1661.053	1672.407	1686.430	1691.071	1715.265	1714.238
27.5	1636.653	1628.227	1634.970	1649.255	1658.453	1679.205	1691.011
30.0	1602.913	1586.921	1593.465	1609.409	1613.808	1642.161	1647.994
32.5	1547.790	1534.435	1539.891	1554.507	1560.088	1586.744	1600.598
35.0	1489.712	1466.391	1483.665	1497.761	1495.269	1528.240	1534.261
37.5	1392.893	1381.480	1381.468	1406.453	1423.705	1441.739	1465.116
40.0	1278.534	1222.909	1272.077	1312.914	1269.340	1334.960	1305.581
42.5	1038.991	999.505	1040.023	1083.715	1073.627	1114.463	1138.116
45.0	810.467	793.505	796.825	854.827	859.609	897.836	896.287
47.5	636.585	600.274	636.478	673.723	638.436	696.714	654.597
50.0	486.074	481.374	480.083	502.428	516.252	525.744	541.940
52.5	418.497	406.349	416.039	432.379	423.467	446.064	433.473
55.0	359.395	354.515	353.976	366.590	368.334	377.760	382.152
57.5	322.990	313.550	320.069	327.681	321.696	335.961	333.544
60.0	290.917	285.627	287.514	291.611	294.158	300.216	305.456
62.5	268.186	262.632	265.090	267.734	269.525	275.773	277.804
65.0	244.408	238.138	241.930	243.557	244.555	251.012	252.296

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CANDELA TABULATION - (Cont.)

67.5	218.905	213.223	215.326	218.474	219.462	225.786	226.336
70.0	190.912	185.311	187.695	191.862	191.281	197.846	199.136
72.5	160.703	156.959	158.099	163.023	162.952	167.732	171.494
75.0	132.202	128.071	129.825	135.237	134.283	139.289	143.436
77.5	104.218	100.640	102.111	107.549	106.747	111.197	114.586
80.0	76.671	73.914	74.215	79.133	79.711	83.471	85.957
82.5	50.233	47.681	49.882	52.222	53.386	58.237	58.615
85.0	27.590	25.517	25.772	27.628	29.481	32.242	34.364
87.5	8.834	6.853	7.567	9.438	10.106	12.627	12.966
90.0	0.650	0.933	1.345	0.380	1.586	0.613	1.315
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	681.08	N.A.	17.60
0-30	1459.53	N.A.	37.70
0-40	2396.02	N.A.	61.90
0-60	3432.26	N.A.	88.70
0-80	3828.64	N.A.	99.00
0-90	3868.16	N.A.	100.00
10-90	3691.71	N.A.	95.40
20-40	1714.94	N.A.	44.30
20-50	2402.41	N.A.	62.10
40-70	1284.53	N.A.	33.20
60-80	396.38	N.A.	10.20
70-80	148.09	N.A.	3.80
80-90	39.52	N.A.	1.00
90-110	0.16	N.A.	0.00
90-120	0.16	N.A.	0.00
90-130	0.16	N.A.	0.00
90-150	0.16	N.A.	0.00
90-180	0.16	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3868.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.45
10-20	504.63
20-30	778.45
30-40	936.50
40-50	687.47
50-60	348.77
60-70	248.29
70-80	148.09
80-90	39.52
90-100	0.16
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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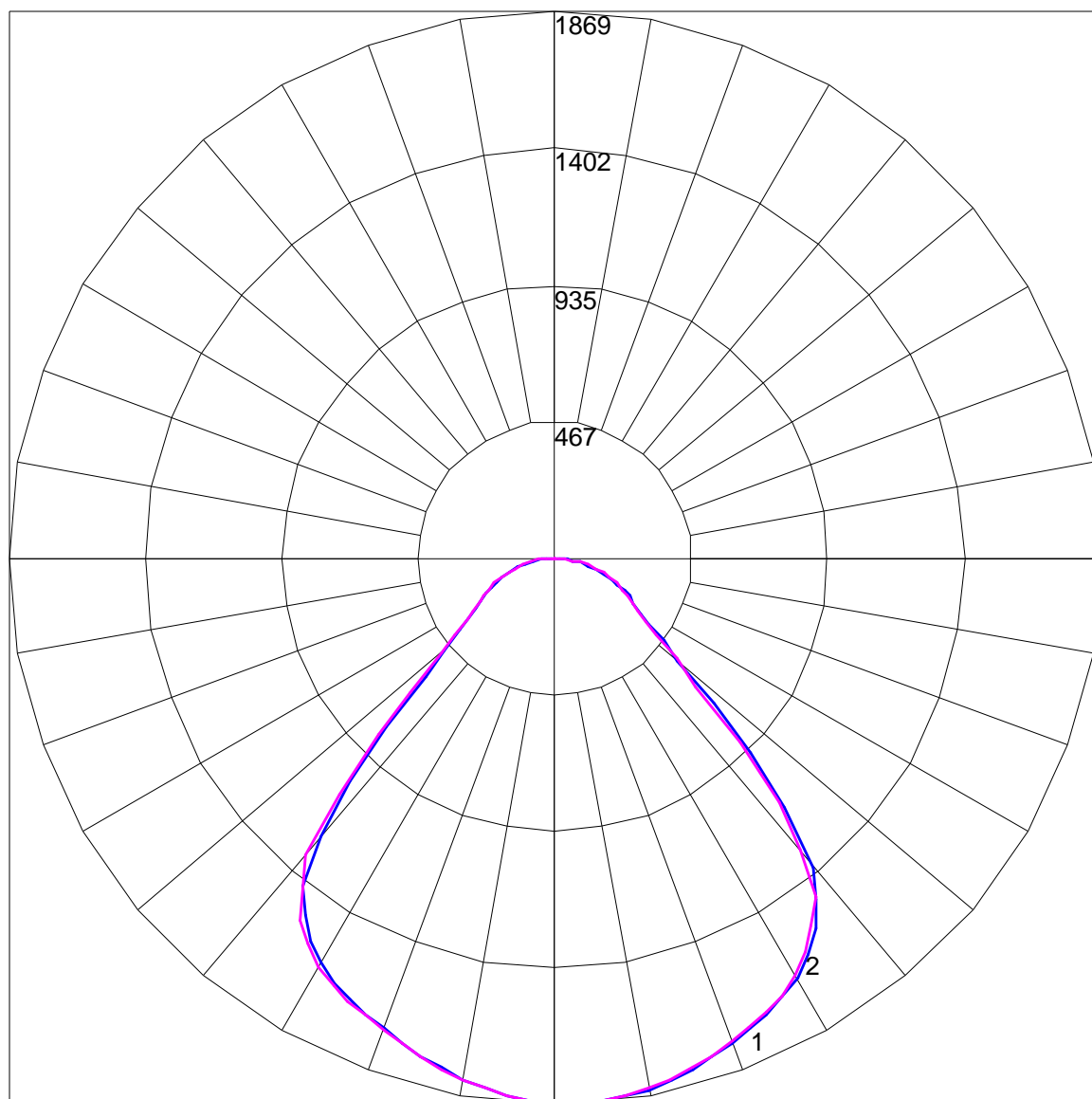
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59
5	81	70	62	56	80	69	62	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-55L35KEX-MWI-MW-TF2.IES

POLAR GRAPH



Maximum Candela = 1869.081 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)