



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] Prudential Lighting  
 [TESTLAB] Intertek  
 [ISSUE DATE] March 28, 2017  
 [MANUFAC] OLV-40-LED35-MO-FWA-D1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6776
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	97
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	3.00 ft (Diameter)
Luminous Width (90-270)	3.00 ft (Diameter)
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3352	3344	3334
55	3247	3227	3224
65	3092	3070	3061
75	2882	2856	2847
85	2608	2567	2546

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D1.IES**

**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244
<b>2.5</b>	2332.533	2332.989	2333.993	2334.960	2334.570	2334.960	2333.993	2332.989	2332.533	2332.989
<b>5.0</b>	2324.014	2325.037	2325.698	2325.949	2325.605	2325.949	2325.698	2325.037	2324.014	2325.037
<b>7.5</b>	2310.752	2312.027	2312.640	2312.771	2312.464	2312.771	2312.640	2312.027	2310.752	2312.027
<b>10.0</b>	2293.101	2293.417	2293.352	2293.947	2294.152	2293.947	2293.352	2293.417	2293.101	2293.417
<b>12.5</b>	2269.023	2270.418	2269.302	2269.963	2269.963	2269.963	2269.302	2270.418	2269.023	2270.418
<b>15.0</b>	2240.947	2241.774	2241.812	2241.198	2240.919	2241.198	2241.812	2241.774	2240.947	2241.774
<b>17.5</b>	2207.057	2208.332	2207.764	2207.755	2207.578	2207.755	2207.764	2208.332	2207.057	2208.332
<b>20.0</b>	2169.318	2169.764	2168.351	2168.072	2168.118	2168.072	2168.351	2169.764	2169.318	2169.764
<b>22.5</b>	2126.036	2127.143	2125.310	2124.539	2123.655	2124.539	2125.310	2127.143	2126.036	2127.143
<b>25.0</b>	2078.383	2079.564	2077.536	2076.969	2075.425	2076.969	2077.536	2079.564	2078.383	2079.564
<b>27.5</b>	2027.158	2027.037	2026.461	2025.038	2022.769	2025.038	2026.461	2027.037	2027.158	2027.037
<b>30.0</b>	1967.778	1971.479	1970.047	1967.973	1965.927	1967.973	1970.047	1971.479	1967.778	1971.479
<b>32.5</b>	1907.737	1912.154	1910.071	1907.746	1905.728	1907.746	1910.071	1912.154	1907.737	1912.154
<b>35.0</b>	1845.008	1848.561	1846.245	1843.716	1840.954	1843.716	1846.245	1848.561	1845.008	1848.561
<b>37.5</b>	1779.118	1780.401	1778.011	1776.151	1772.933	1776.151	1778.011	1780.401	1779.118	1780.401
<b>40.0</b>	1710.828	1709.759	1706.838	1704.123	1701.714	1704.123	1706.838	1709.759	1710.828	1709.759
<b>42.5</b>	1636.475	1636.447	1632.317	1629.137	1628.402	1629.137	1632.317	1636.447	1636.475	1636.447
<b>45.0</b>	1557.973	1558.215	1554.318	1551.138	1549.417	1551.138	1554.318	1558.215	1557.973	1558.215
<b>47.5</b>	1476.756	1476.887	1473.418	1470.377	1468.089	1470.377	1473.418	1476.887	1476.756	1476.887
<b>50.0</b>	1394.061	1394.014	1389.959	1386.704	1386.370	1386.704	1389.959	1394.014	1394.061	1394.014
<b>52.5</b>	1310.798	1308.808	1304.502	1301.572	1300.847	1301.572	1304.502	1308.808	1310.798	1308.808
<b>55.0</b>	1224.029	1221.230	1216.607	1214.292	1215.659	1214.292	1216.607	1221.230	1224.029	1221.230
<b>57.5</b>	1133.800	1132.154	1127.913	1125.365	1126.091	1125.365	1127.913	1132.154	1133.800	1132.154
<b>60.0</b>	1041.684	1041.488	1036.755	1035.406	1032.951	1035.406	1036.755	1041.488	1041.684	1041.488
<b>62.5</b>	951.074	949.558	944.936	943.466	940.379	943.466	944.936	949.558	951.074	949.558
<b>65.0</b>	858.948	856.995	852.764	850.522	850.392	850.522	852.764	856.995	858.948	856.995
<b>67.5</b>	766.534	764.218	760.480	758.489	758.982	758.489	760.480	764.218	766.534	764.218
<b>70.0</b>	672.762	672.130	668.056	666.364	665.806	666.364	668.056	672.130	672.762	672.130
<b>72.5</b>	579.985	580.171	576.461	575.930	573.810	575.930	576.461	580.171	579.985	580.171
<b>75.0</b>	490.259	489.719	485.823	485.646	484.307	485.646	485.823	489.719	490.259	489.719
<b>77.5</b>	402.662	400.439	397.250	396.413	395.455	396.413	397.250	400.439	402.662	400.439
<b>80.0</b>	314.917	313.010	311.150	309.783	310.118	309.783	311.150	313.010	314.917	313.010
<b>82.5</b>	229.450	228.176	227.069	226.297	226.399	226.297	227.069	228.176	229.450	228.176
<b>85.0</b>	149.432	147.572	147.061	145.926	145.871	145.926	147.061	147.572	149.432	147.572
<b>87.5</b>	73.182	71.201	71.033	69.685	68.969	69.685	71.033	71.201	73.182	71.201
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	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.)**

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. Horizontal Angles**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244	2336.244
2.5	2333.993	2334.960	2334.570	2334.960	2333.993	2332.989	2332.533
5.0	2325.698	2325.949	2325.605	2325.949	2325.698	2325.037	2324.014
7.5	2312.640	2312.771	2312.464	2312.771	2312.640	2312.027	2310.752
10.0	2293.352	2293.947	2294.152	2293.947	2293.352	2293.417	2293.101
12.5	2269.302	2269.963	2269.963	2269.963	2269.302	2270.418	2269.023
15.0	2241.812	2241.198	2240.919	2241.198	2241.812	2241.774	2240.947
17.5	2207.764	2207.755	2207.578	2207.755	2207.764	2208.332	2207.057
20.0	2168.351	2168.072	2168.118	2168.072	2168.351	2169.764	2169.318
22.5	2125.310	2124.539	2123.655	2124.539	2125.310	2127.143	2126.036
25.0	2077.536	2076.969	2075.425	2076.969	2077.536	2079.564	2078.383
27.5	2026.461	2025.038	2022.769	2025.038	2026.461	2027.037	2027.158
30.0	1970.047	1967.973	1965.927	1967.973	1970.047	1971.479	1967.778
32.5	1910.071	1907.746	1905.728	1907.746	1910.071	1912.154	1907.737
35.0	1846.245	1843.716	1840.954	1843.716	1846.245	1848.561	1845.008
37.5	1778.011	1776.151	1772.933	1776.151	1778.011	1780.401	1779.118
40.0	1706.838	1704.123	1701.714	1704.123	1706.838	1709.759	1710.828
42.5	1632.317	1629.137	1628.402	1629.137	1632.317	1636.447	1636.475
45.0	1554.318	1551.138	1549.417	1551.138	1554.318	1558.215	1557.973
47.5	1473.418	1470.377	1468.089	1470.377	1473.418	1476.887	1476.756
50.0	1389.959	1386.704	1386.370	1386.704	1389.959	1394.014	1394.061
52.5	1304.502	1301.572	1300.847	1301.572	1304.502	1308.808	1310.798
55.0	1216.607	1214.292	1215.659	1214.292	1216.607	1221.230	1224.029
57.5	1127.913	1125.365	1126.091	1125.365	1127.913	1132.154	1133.800
60.0	1036.755	1035.406	1032.951	1035.406	1036.755	1041.488	1041.684
62.5	944.936	943.466	940.379	943.466	944.936	949.558	951.074
65.0	852.764	850.522	850.392	850.522	852.764	856.995	858.948
67.5	760.480	758.489	758.982	758.489	760.480	764.218	766.534
70.0	668.056	666.364	665.806	666.364	668.056	672.130	672.762
72.5	576.461	575.930	573.810	575.930	576.461	580.171	579.985
75.0	485.823	485.646	484.307	485.646	485.823	489.719	490.259
77.5	397.250	396.413	395.455	396.413	397.250	400.439	402.662
80.0	311.150	309.783	310.118	309.783	311.150	313.010	314.917

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : OLV-40-LED35-MO-FWA-D1.IES

CANDELA TABULATION - (Cont.)

82.5	227.069	226.297	226.399	226.297	227.069	228.176	229.450
85.0	147.061	145.926	145.871	145.926	147.061	147.572	149.432
87.5	71.033	69.685	68.969	69.685	71.033	71.201	73.182
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	853.44	N.A.	12.60
0-30	1810.96	N.A.	26.70
0-40	2965.22	N.A.	43.80
0-60	5252.31	N.A.	77.50
0-80	6612.47	N.A.	97.60
0-90	6775.98	N.A.	100.00
10-90	6555.01	N.A.	96.70
20-40	2111.77	N.A.	31.20
20-50	3310.49	N.A.	48.90
40-70	3132.09	N.A.	46.20
60-80	1360.15	N.A.	20.10
70-80	515.16	N.A.	7.60
80-90	163.52	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	6775.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	220.97
10-20	632.47
20-30	957.51
30-40	1154.26
40-50	1198.72
50-60	1088.37
60-70	844.99
70-80	515.16
80-90	163.52
90-100	0.00
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

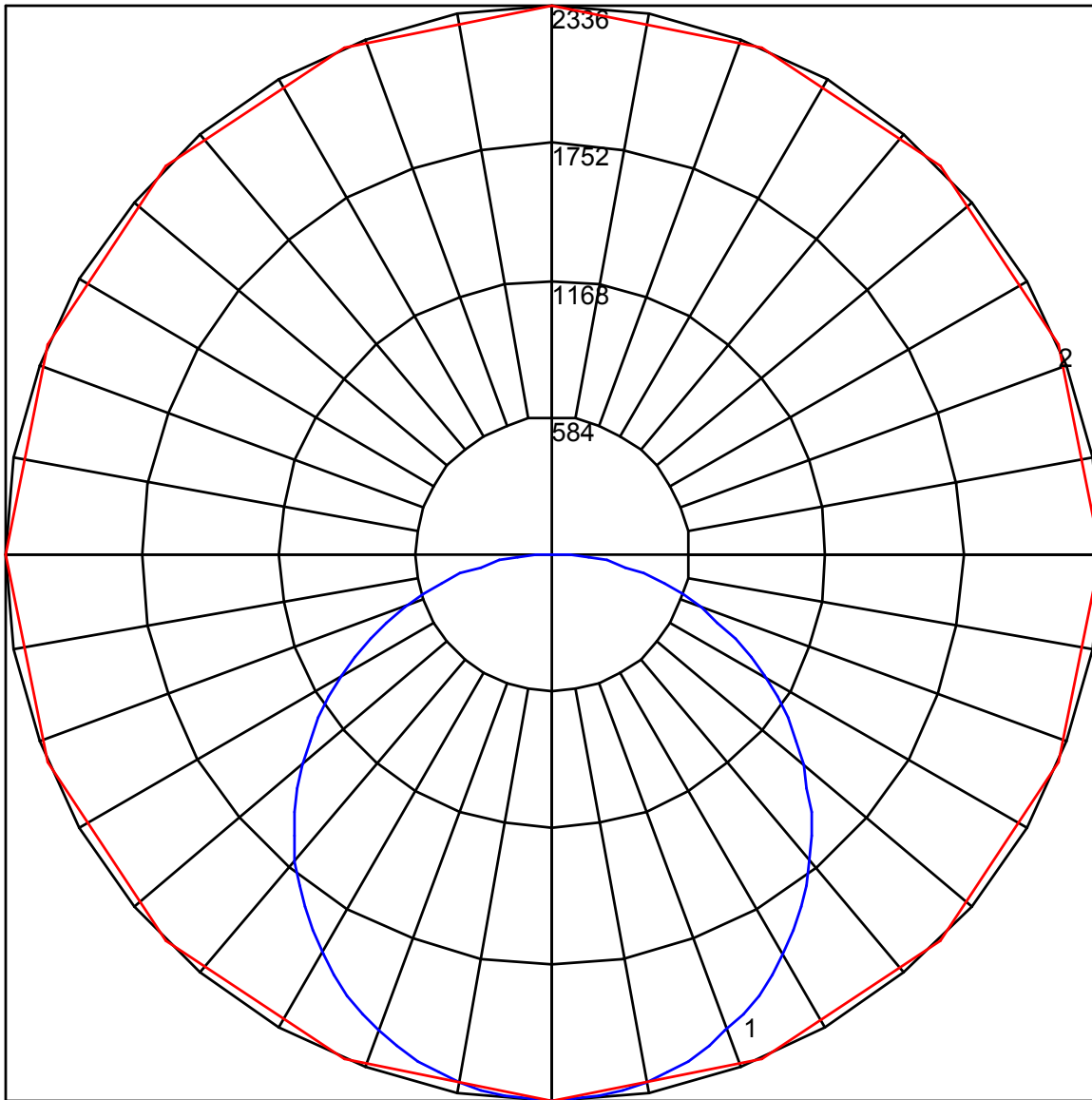
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 2336.244 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)