



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] P8644-LED35-MO  
 [TESTLAB] Intertek  
 [ISSUE DATE]  
 [MANUFAC] Prudential Lighting

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8612
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	85
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	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7642	7579	7558
55	7371	7273	7304
65	7026	6875	6900
75	6565	6337	6249
85	6139	5540	5336

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : P8644-LED35-MO.IES**

**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>
<b>0.0</b>	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476
<b>2.5</b>	2992.766	2994.704	2988.738	2993.564	2991.322	2992.690	2988.890	2991.322	2989.346	2991.322
<b>5.0</b>	2981.822	2980.492	2983.912	2980.796	2982.924	2980.986	2980.112	2982.392	2977.984	2982.392
<b>7.5</b>	2964.152	2967.648	2965.672	2965.938	2965.292	2963.506	2961.758	2961.986	2958.794	2961.986
<b>10.0</b>	2939.490	2939.870	2939.414	2937.134	2940.630	2939.566	2937.742	2937.210	2925.962	2937.210
<b>12.5</b>	2912.358	2912.510	2906.088	2910.268	2908.900	2908.216	2904.416	2906.240	2899.552	2906.240
<b>15.0</b>	2876.296	2872.990	2867.214	2871.432	2871.394	2872.192	2869.076	2867.708	2856.042	2867.708
<b>17.5</b>	2833.242	2828.150	2823.172	2826.934	2828.568	2828.948	2823.666	2821.842	2812.190	2821.842
<b>20.0</b>	2786.274	2779.662	2780.232	2777.002	2777.496	2773.468	2774.950	2769.782	2757.736	2769.782
<b>22.5</b>	2728.780	2725.094	2723.802	2723.042	2722.700	2723.042	2716.278	2717.570	2700.926	2717.570
<b>25.0</b>	2669.728	2662.394	2662.584	2665.358	2664.864	2659.848	2658.518	2652.590	2641.532	2652.590
<b>27.5</b>	2607.484	2590.764	2595.058	2597.262	2595.590	2593.842	2589.054	2583.430	2567.280	2583.430
<b>30.0</b>	2530.306	2522.630	2519.058	2525.328	2521.642	2522.326	2515.448	2510.774	2493.940	2510.774
<b>32.5</b>	2456.016	2444.768	2444.236	2444.198	2444.122	2440.018	2435.002	2433.862	2416.610	2433.862
<b>35.0</b>	2380.054	2361.206	2361.016	2365.082	2363.410	2358.660	2351.744	2349.920	2328.944	2349.920
<b>37.5</b>	2287.828	2276.086	2275.098	2275.820	2272.704	2268.296	2265.674	2264.306	2240.138	2264.306
<b>40.0</b>	2195.982	2186.596	2184.164	2185.912	2179.870	2181.960	2175.576	2170.142	2149.850	2170.142
<b>42.5</b>	2103.946	2089.544	2088.822	2092.014	2083.768	2085.706	2078.942	2074.420	2054.622	2074.420
<b>45.0</b>	2009.896	1987.286	1993.442	1990.554	1987.780	1982.004	1980.484	1972.010	1953.048	1972.010
<b>47.5</b>	1906.764	1877.694	1884.572	1886.890	1883.432	1878.226	1875.946	1868.308	1843.456	1868.308
<b>50.0</b>	1796.070	1780.490	1775.284	1777.412	1771.484	1770.724	1762.668	1761.452	1740.856	1761.452
<b>52.5</b>	1682.146	1665.122	1668.238	1666.300	1667.288	1659.422	1656.268	1650.416	1628.262	1650.416
<b>55.0</b>	1572.668	1550.742	1551.730	1555.568	1558.342	1549.488	1543.560	1535.884	1515.402	1535.884
<b>57.5</b>	1463.152	1437.616	1441.188	1436.134	1438.984	1436.514	1424.164	1424.278	1401.934	1424.278
<b>60.0</b>	1345.428	1323.122	1320.614	1318.828	1318.828	1313.432	1308.530	1303.932	1280.752	1303.932
<b>62.5</b>	1224.892	1203.194	1199.812	1203.536	1202.054	1199.204	1188.982	1187.956	1165.346	1187.956
<b>65.0</b>	1104.470	1086.116	1080.758	1077.376	1084.596	1075.476	1070.802	1068.180	1044.430	1068.180
<b>67.5</b>	990.698	963.452	963.034	962.198	963.262	960.488	950.836	948.442	930.772	948.442
<b>70.0</b>	869.934	846.906	844.930	839.990	841.700	838.850	836.798	832.238	806.132	832.238
<b>72.5</b>	749.854	727.396	727.320	720.670	718.238	716.604	714.438	711.360	692.474	711.360
<b>75.0</b>	631.978	614.612	610.090	608.988	601.578	602.680	598.500	597.816	582.958	597.816
<b>77.5</b>	522.462	499.016	494.456	492.632	489.668	484.766	487.312	488.870	468.654	488.870
<b>80.0</b>	408.310	388.702	389.462	376.276	379.392	376.162	378.024	373.920	362.672	373.920
<b>82.5</b>	300.580	280.972	282.454	277.096	268.622	271.586	270.066	269.344	254.068	269.344
<b>85.0</b>	199.006	181.906	179.588	173.166	172.976	173.090	170.050	170.772	159.182	170.772
<b>87.5</b>	102.182	85.956	83.904	84.018	84.132	78.622	78.698	75.924	65.132	75.924
<b>90.0</b>	18.354	8.778	4.370	6.688	8.360	8.664	4.522	6.004	3.268	6.004
<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. 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	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476	2994.476
2.5	2988.890	2992.690	2991.322	2993.564	2988.738	2994.704	2992.766
5.0	2980.112	2980.986	2982.924	2980.796	2983.912	2980.492	2981.822
7.5	2961.758	2963.506	2965.292	2965.938	2965.672	2967.648	2964.152
10.0	2937.742	2939.566	2940.630	2937.134	2939.414	2939.870	2939.490
12.5	2904.416	2908.216	2908.900	2910.268	2906.088	2912.510	2912.358
15.0	2869.076	2872.192	2871.394	2871.432	2867.214	2872.990	2876.296
17.5	2823.666	2828.948	2828.568	2826.934	2823.172	2828.150	2833.242
20.0	2774.950	2773.468	2777.496	2777.002	2780.232	2779.662	2786.274
22.5	2716.278	2723.042	2722.700	2723.042	2723.802	2725.094	2728.780
25.0	2658.518	2659.848	2664.864	2665.358	2662.584	2662.394	2669.728
27.5	2589.054	2593.842	2595.590	2597.262	2595.058	2590.764	2607.484
30.0	2515.448	2522.326	2521.642	2525.328	2519.058	2522.630	2530.306
32.5	2435.002	2440.018	2444.122	2444.198	2444.236	2444.768	2456.016
35.0	2351.744	2358.660	2363.410	2365.082	2361.016	2361.206	2380.054
37.5	2265.674	2268.296	2272.704	2275.820	2275.098	2276.086	2287.828
40.0	2175.576	2181.960	2179.870	2185.912	2184.164	2186.596	2195.982
42.5	2078.942	2085.706	2083.768	2092.014	2088.822	2089.544	2103.946
45.0	1980.484	1982.004	1987.780	1990.554	1993.442	1987.286	2009.896
47.5	1875.946	1878.226	1883.432	1886.890	1884.572	1877.694	1906.764
50.0	1762.668	1770.724	1771.484	1777.412	1775.284	1780.490	1796.070
52.5	1656.268	1659.422	1667.288	1666.300	1668.238	1665.122	1682.146
55.0	1543.560	1549.488	1558.342	1555.568	1551.730	1550.742	1572.668
57.5	1424.164	1436.514	1438.984	1436.134	1441.188	1437.616	1463.152
60.0	1308.530	1313.432	1318.828	1318.828	1320.614	1323.122	1345.428
62.5	1188.982	1199.204	1202.054	1203.536	1199.812	1203.194	1224.892
65.0	1070.802	1075.476	1084.596	1077.376	1080.758	1086.116	1104.470
67.5	950.836	960.488	963.262	962.198	963.034	963.452	990.698
70.0	836.798	838.850	841.700	839.990	844.930	846.906	869.934
72.5	714.438	716.604	718.238	720.670	727.320	727.396	749.854
75.0	598.500	602.680	601.578	608.988	610.090	614.612	631.978
77.5	487.312	484.766	489.668	492.632	494.456	499.016	522.462
80.0	378.024	376.162	379.392	376.276	389.462	388.702	408.310

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CANDELA TABULATION - (Cont.)

82.5	270.066	271.586	268.622	277.096	282.454	280.972	300.580
85.0	170.050	173.090	172.976	173.166	179.588	181.906	199.006
87.5	78.698	78.622	84.132	84.018	83.904	85.956	102.182
90.0	4.522	8.664	8.360	6.688	4.370	8.778	18.354
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	1093.00	N.A.	12.70
0-30	2318.38	N.A.	26.90
0-40	3793.31	N.A.	44.00
0-60	6706.58	N.A.	77.90
0-80	8413.5	N.A.	97.70
0-90	8610.96	N.A.	100.00
10-90	8327.73	N.A.	96.70
20-40	2700.31	N.A.	31.40
20-50	4229.88	N.A.	49.10
40-70	3980.12	N.A.	46.20
60-80	1706.92	N.A.	19.80
70-80	640.07	N.A.	7.40
80-90	197.46	N.A.	2.30
90-110	1.00	N.A.	0.00
90-120	1.00	N.A.	0.00
90-130	1.00	N.A.	0.00
90-150	1.00	N.A.	0.00
90-180	1.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8611.96	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	283.23
10-20	809.77
20-30	1225.38
30-40	1474.93
40-50	1529.57
50-60	1383.71
60-70	1066.85
70-80	640.07
80-90	197.46
90-100	1.00
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

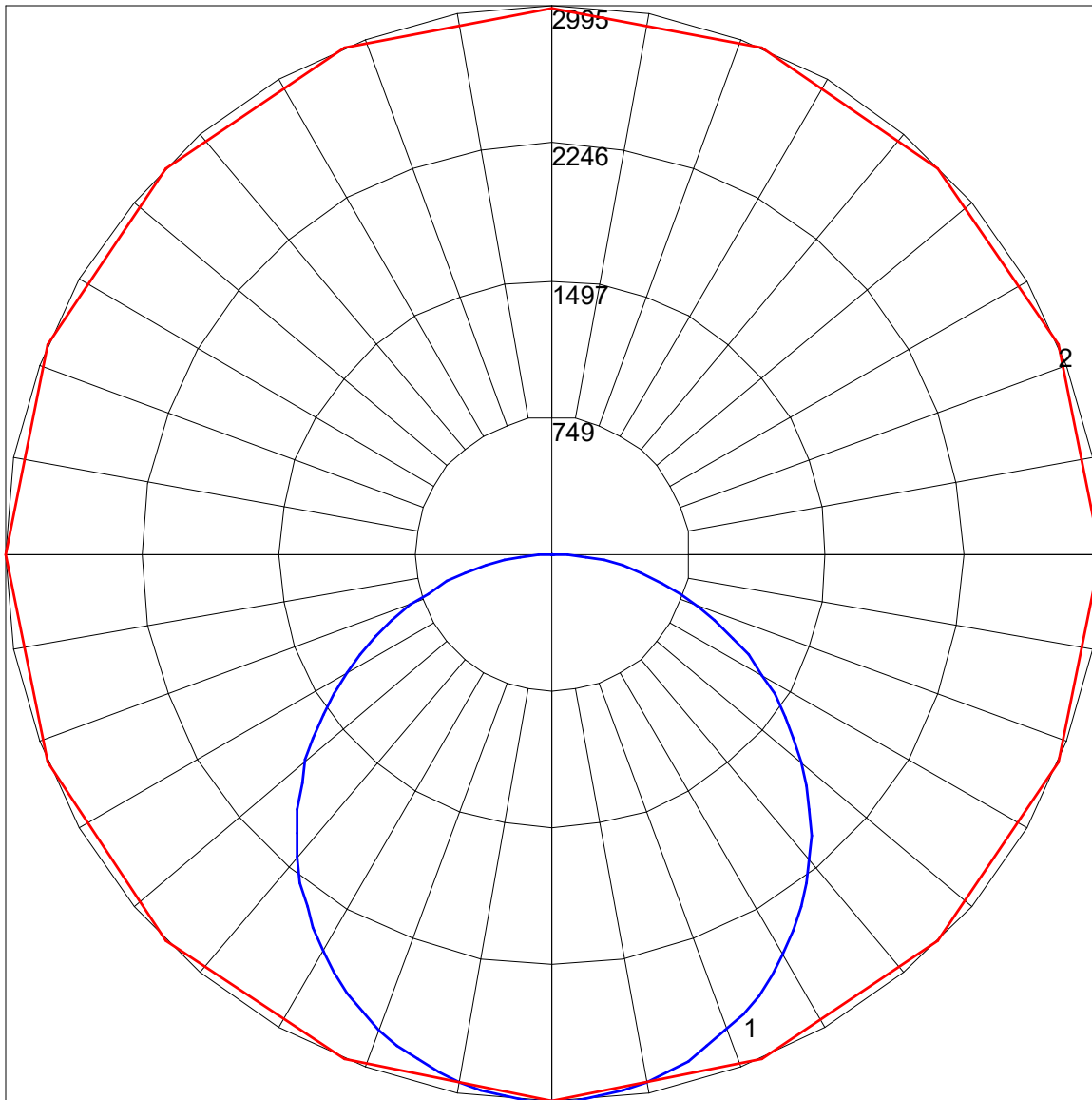
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 2994.704 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)