



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D3-NN-35-90-D35-BK.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Viso LabSpion - serial: 3668013500 sensor serial: 2584897701

[TESTLAB] Viso LabSpion - serial: 3668013500 sensor serial: 2584897701 - Test lab

[MANUFAC] Picasso Lighting

[ISSUEDATE] 9/7/2021

[LUMINAIRE] SIE-PR-1-MCO-2-D3-NN-35-90-D35-BK

[LUMCAT] SIE-PR-1-MCO-2-D3-NN-35-90-D35-BK

[_SERIALNUMBER] VFR-210907-2763-MS

CHARACTERISTICS

Lumens Per Lamp	700 (1 lamp)
Total Lamp Lumens	700
Luminaire Lumens	700
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	7.93
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.64
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.96 ft
Luminous Width (90-270)	0.06 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4557	8019	7896
55	1422	2814	2568
65	972	1023	938
75	1336	1318	1368
85	3117	3173	3328

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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	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421
2.5	1292.054	1294.867	1304.249	1312.507	1305.259	1305.682	1301.148	1294.128	1292.054	1294.867
5.0	1231.250	1234.938	1245.334	1257.163	1250.351	1249.864	1242.573	1234.358	1231.250	1234.938
7.5	1136.963	1143.389	1156.364	1170.277	1166.232	1164.260	1152.873	1142.463	1136.963	1143.389
10.0	1020.655	1029.676	1045.048	1062.715	1061.155	1056.970	1041.464	1028.586	1020.655	1029.676
12.5	894.097	905.059	922.331	943.383	944.003	937.999	918.494	903.323	894.097	905.059
15.0	768.358	780.495	799.743	822.473	825.250	817.780	795.194	779.306	768.358	780.495
17.5	654.402	666.396	685.232	704.848	713.502	701.835	681.242	664.502	654.402	666.396
20.0	551.461	564.793	583.803	601.197	613.030	597.979	580.152	562.949	551.461	564.793
22.5	456.104	473.081	494.141	513.226	524.005	509.337	492.028	471.727	456.104	473.081
25.0	365.933	388.671	413.126	435.836	445.598	432.516	415.067	387.472	365.933	388.671
27.5	281.981	309.659	342.912	367.324	374.699	365.395	346.354	309.159	281.981	309.659
30.0	210.158	238.816	282.100	306.270	307.004	304.916	285.042	238.724	210.158	238.816
32.5	153.552	179.597	228.419	249.911	243.166	248.563	231.128	179.382	153.552	179.597
35.0	112.277	133.220	182.203	198.459	187.518	197.356	184.644	133.383	112.277	133.220
37.5	82.932	98.972	143.396	154.187	142.612	153.406	145.230	99.112	82.932	98.972
40.0	61.843	73.765	110.830	117.958	107.633	117.691	112.093	74.313	61.843	73.765
42.5	46.703	54.994	83.875	89.731	81.059	89.700	84.578	56.297	46.703	54.994
45.0	35.239	41.417	62.008	67.919	61.058	67.882	62.392	42.919	35.239	41.417
47.5	26.243	31.439	45.445	50.835	45.694	50.955	45.496	32.678	26.243	31.439
50.0	19.217	23.676	33.215	37.895	33.655	37.856	33.208	24.603	19.217	23.676
52.5	13.343	17.278	24.326	27.677	23.968	27.608	24.224	17.853	13.343	17.278
55.0	8.918	11.945	17.651	19.718	16.107	19.494	17.529	12.250	8.918	11.945
57.5	6.161	7.957	12.518	13.285	9.981	12.948	12.330	8.142	6.161	7.957
60.0	5.019	5.583	8.658	8.303	6.249	8.147	8.405	5.701	5.019	5.583
62.5	4.536	4.654	6.024	5.494	4.740	5.479	5.874	4.681	4.536	4.654
65.0	4.491	4.427	4.729	4.640	4.334	4.554	4.725	4.405	4.491	4.427
67.5	4.318	4.360	4.352	4.271	4.248	4.177	4.410	4.349	4.318	4.360
70.0	4.221	4.197	4.231	4.084	4.201	3.992	4.174	4.319	4.221	4.197
72.5	3.938	3.991	3.976	3.959	4.119	3.914	3.911	4.026	3.938	3.991
75.0	3.780	3.794	3.731	3.720	3.871	3.780	3.842	3.815	3.780	3.794
77.5	3.589	3.518	3.553	3.671	3.634	3.640	3.659	3.662	3.589	3.518
80.0	3.421	3.292	3.359	3.408	3.460	3.399	3.411	3.425	3.421	3.292
82.5	3.180	3.062	3.204	3.293	3.255	3.214	3.168	3.133	3.180	3.062
85.0	2.971	2.983	3.024	2.992	3.172	3.040	3.109	2.906	2.971	2.983
87.5	2.836	2.676	2.886	2.791	2.621	2.760	2.621	2.769	2.836	2.676
90.0	2.376	0.334	2.335	0.312	2.547	2.375	2.547	2.204	2.376	0.334

**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	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421	1318.421
2.5	1304.249	1312.507	1305.259	1305.682	1301.148	1294.128	1292.054
5.0	1245.334	1257.163	1250.351	1249.864	1242.573	1234.358	1231.250
7.5	1156.364	1170.277	1166.232	1164.260	1152.873	1142.463	1136.963
10.0	1045.048	1062.715	1061.155	1056.970	1041.464	1028.586	1020.655
12.5	922.331	943.383	944.003	937.999	918.494	903.323	894.097
15.0	799.743	822.473	825.250	817.780	795.194	779.306	768.358
17.5	685.232	704.848	713.502	701.835	681.242	664.502	654.402
20.0	583.803	601.197	613.030	597.979	580.152	562.949	551.461
22.5	494.141	513.226	524.005	509.337	492.028	471.727	456.104
25.0	413.126	435.836	445.598	432.516	415.067	387.472	365.933
27.5	342.912	367.324	374.699	365.395	346.354	309.159	281.981
30.0	282.100	306.270	307.004	304.916	285.042	238.724	210.158

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CANDELA TABULATION - (Cont.)

32.5	228.419	249.911	243.166	248.563	231.128	179.382	153.552
35.0	182.203	198.459	187.518	197.356	184.644	133.383	112.277
37.5	143.396	154.187	142.612	153.406	145.230	99.112	82.932
40.0	110.830	117.958	107.633	117.691	112.093	74.313	61.843
42.5	83.875	89.731	81.059	89.700	84.578	56.297	46.703
45.0	62.008	67.919	61.058	67.882	62.392	42.919	35.239
47.5	45.445	50.835	45.694	50.955	45.496	32.678	26.243
50.0	33.215	37.895	33.655	37.856	33.208	24.603	19.217
52.5	24.326	27.677	23.968	27.608	24.224	17.853	13.343
55.0	17.651	19.718	16.107	19.494	17.529	12.250	8.918
57.5	12.518	13.285	9.981	12.948	12.330	8.142	6.161
60.0	8.658	8.303	6.249	8.147	8.405	5.701	5.019
62.5	6.024	5.494	4.740	5.479	5.874	4.681	4.536
65.0	4.729	4.640	4.334	4.554	4.725	4.405	4.491
67.5	4.352	4.271	4.248	4.177	4.410	4.349	4.318
70.0	4.231	4.084	4.201	3.992	4.174	4.319	4.221
72.5	3.976	3.959	4.119	3.914	3.911	4.026	3.938
75.0	3.731	3.720	3.871	3.780	3.842	3.815	3.780
77.5	3.553	3.671	3.634	3.640	3.659	3.662	3.589
80.0	3.359	3.408	3.460	3.399	3.411	3.425	3.421
82.5	3.204	3.293	3.255	3.214	3.168	3.133	3.180
85.0	3.024	2.992	3.172	3.040	3.109	2.906	2.971
87.5	2.886	2.791	2.621	2.760	2.621	2.769	2.836
90.0	2.335	0.312	2.547	2.375	2.547	2.204	2.376

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	333.43	47.60	47.60
0-30	522.03	74.60	74.60
0-40	628.60	89.80	89.80
0-60	687.81	98.30	98.30
0-80	696.68	99.50	99.50
0-90	699.84	100.00	100.00
10-90	587.61	83.90	84.00
20-40	295.18	42.20	42.20
20-50	339.65	48.50	48.50
40-70	64.07	9.20	9.20
60-80	8.87	1.30	1.30
70-80	4.01	0.60	0.60
80-90	3.16	0.50	0.50
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	699.84	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.23
10-20	221.19
20-30	188.61
30-40	106.57
40-50	44.47
50-60	14.74
60-70	4.86
70-80	4.01
80-90	3.16
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

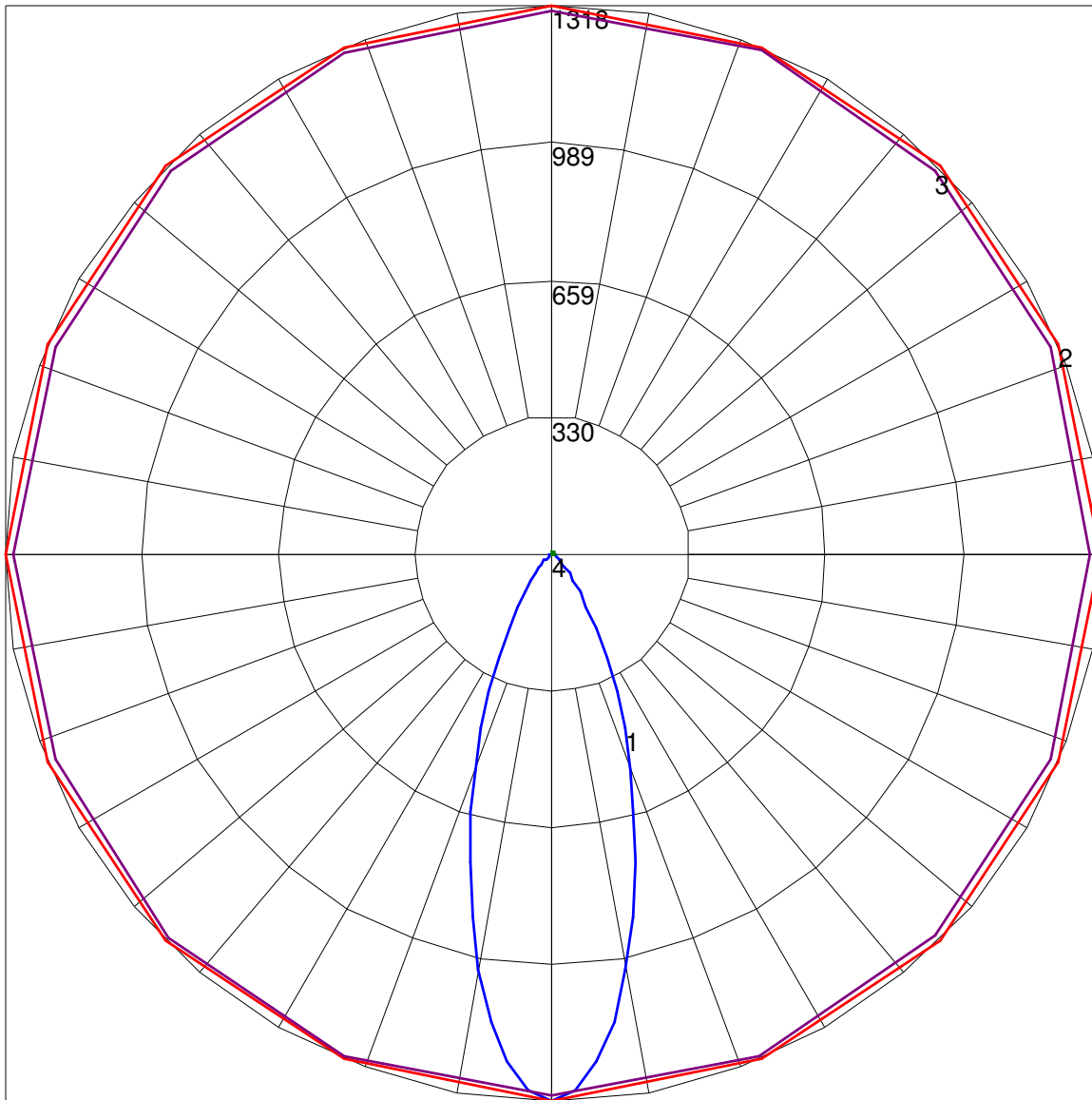
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	76
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	80	76	73	72
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	58
10	75	66	60	56	74	65	60	56	64	60	56	64	59	56	63	59	56	55

POLAR GRAPH



Maximum Candela = 1318.421 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.)
3 - Horizontal Cone Through Vertical Angle (2)
4 - Horizontal Cone Through Vertical Angle (90)