



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D10-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-D10-NN-35-90-D35-BK

[LUMCAT] SIE-PR-1-MCO-2-D10-NN-35-90-D35-BK

[_SERIALNUMBER] VFR-210907-2760-MS

CHARACTERISTICS

Lumens Per Lamp	2000 (1 lamp)
Total Lamp Lumens	2000
Luminaire Lumens	2000
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	25.48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.66
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	13261	23326	22619
55	4101	8171	7359
65	2802	2994	2720
75	3885	3817	3847
85	8989	9189	9558

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D10-NN-35-90-D35-BK.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>
0.0	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192
2.5	3664.907	3674.471	3695.286	3716.259	3738.052	3727.088	3699.729	3676.722	3664.907	3674.471
5.0	3493.308	3508.365	3533.079	3560.487	3583.543	3571.387	3537.206	3508.971	3493.308	3508.365
7.5	3227.742	3246.682	3278.632	3317.559	3339.889	3323.647	3281.642	3246.088	3227.742	3246.682
10.0	2896.555	2920.048	2960.812	3010.766	3031.181	3011.704	2959.836	2918.785	2896.555	2920.048
12.5	2537.433	2564.398	2612.819	2672.286	2689.395	2668.806	2609.005	2563.630	2537.433	2564.398
15.0	2188.882	2216.679	2269.959	2334.123	2351.936	2325.415	2264.005	2215.162	2188.882	2216.679
17.5	1867.958	1897.966	1952.942	2009.065	2036.163	2000.521	1944.621	1895.763	1867.958	1897.966
20.0	1577.670	1612.569	1668.662	1715.215	1752.336	1705.554	1660.174	1609.544	1577.670	1612.569
22.5	1307.274	1353.080	1412.498	1467.219	1499.382	1453.658	1410.156	1350.262	1307.274	1353.080
25.0	1049.700	1110.529	1182.971	1246.791	1274.869	1235.894	1189.110	1109.056	1049.700	1110.529
27.5	811.463	884.671	983.057	1051.640	1073.886	1043.017	992.406	884.652	811.463	884.671
30.0	606.626	683.330	808.925	877.271	880.604	871.475	816.736	683.438	606.626	683.330
32.5	445.054	514.092	655.925	717.256	696.018	711.185	662.573	515.082	445.054	514.092
35.0	326.306	382.771	524.421	571.165	536.704	564.088	530.082	383.674	326.306	382.771
37.5	241.060	285.147	413.084	444.631	407.651	439.001	417.530	286.263	241.060	285.147
40.0	180.162	212.830	319.820	341.408	307.945	337.019	322.722	214.949	180.162	212.830
42.5	135.924	158.830	242.707	260.224	232.479	256.843	243.933	162.876	135.924	158.830
45.0	102.543	119.971	180.372	197.207	174.907	194.835	180.239	124.315	102.543	119.971
47.5	76.609	91.127	132.205	148.399	131.075	146.576	131.709	94.317	76.609	91.127
50.0	55.561	68.257	96.669	110.438	97.063	108.879	96.092	70.677	55.561	68.257
52.5	38.570	49.650	70.696	80.779	68.783	79.665	70.190	51.361	38.570	49.650
55.0	25.721	34.529	51.253	57.189	46.159	56.052	50.735	35.417	25.721	34.529
57.5	17.628	22.910	36.139	38.040	28.274	36.983	35.790	23.456	17.628	22.910
60.0	14.251	16.100	24.877	24.181	17.454	23.061	24.613	16.323	14.251	16.100
62.5	13.275	13.549	17.494	16.194	13.403	15.214	16.997	13.597	13.275	13.549
65.0	12.948	12.837	13.839	13.121	12.571	12.923	13.457	12.739	12.948	12.837
67.5	12.463	12.397	12.323	12.197	12.336	12.336	12.260	12.424	12.463	12.397
70.0	12.041	11.718	11.741	11.729	11.900	11.828	11.922	11.981	12.041	11.718
72.5	11.421	11.470	11.354	11.361	11.474	11.283	11.395	11.490	11.421	11.470
75.0	10.995	10.845	10.804	10.960	10.888	11.041	10.705	10.972	10.995	10.845
77.5	10.242	10.310	10.231	10.451	10.528	10.463	10.186	10.306	10.242	10.310
80.0	9.677	9.655	9.723	9.865	10.217	9.961	9.864	9.729	9.677	9.655
82.5	9.203	9.083	9.191	9.328	9.660	9.316	9.330	9.262	9.203	9.083
85.0	8.567	8.418	8.758	8.884	9.110	8.897	8.873	8.727	8.567	8.418
87.5	8.123	7.917	8.371	8.215	7.626	8.644	7.443	8.094	8.123	7.917
90.0	6.779	1.178	7.031	1.099	7.067	6.723	7.233	6.268	6.779	1.178

**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	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192	3749.192
2.5	3695.286	3716.259	3738.052	3727.088	3699.729	3676.722	3664.907
5.0	3533.079	3560.487	3583.543	3571.387	3537.206	3508.971	3493.308
7.5	3278.632	3317.559	3339.889	3323.647	3281.642	3246.088	3227.742
10.0	2960.812	3010.766	3031.181	3011.704	2959.836	2918.785	2896.555
12.5	2612.819	2672.286	2689.395	2668.806	2609.005	2563.630	2537.433
15.0	2269.959	2334.123	2351.936	2325.415	2264.005	2215.162	2188.882
17.5	1952.942	2009.065	2036.163	2000.521	1944.621	1895.763	1867.958
20.0	1668.662	1715.215	1752.336	1705.554	1660.174	1609.544	1577.670
22.5	1412.498	1467.219	1499.382	1453.658	1410.156	1350.262	1307.274
25.0	1182.971	1246.791	1274.869	1235.894	1189.110	1109.056	1049.700
27.5	983.057	1051.640	1073.886	1043.017	992.406	884.652	811.463
30.0	808.925	877.271	880.604	871.475	816.736	683.438	606.626

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D10-NN-35-90-D35-BK.IES

CANDELA TABULATION - (Cont.)

32.5	655.925	717.256	696.018	711.185	662.573	515.082	445.054
35.0	524.421	571.165	536.704	564.088	530.082	383.674	326.306
37.5	413.084	444.631	407.651	439.001	417.530	286.263	241.060
40.0	319.820	341.408	307.945	337.019	322.722	214.949	180.162
42.5	242.707	260.224	232.479	256.843	243.933	162.876	135.924
45.0	180.372	197.207	174.907	194.835	180.239	124.315	102.543
47.5	132.205	148.399	131.075	146.576	131.709	94.317	76.609
50.0	96.669	110.438	97.063	108.879	96.092	70.677	55.561
52.5	70.696	80.779	68.783	79.665	70.190	51.361	38.570
55.0	51.253	57.189	46.159	56.052	50.735	35.417	25.721
57.5	36.139	38.040	28.274	36.983	35.790	23.456	17.628
60.0	24.877	24.181	17.454	23.061	24.613	16.323	14.251
62.5	17.494	16.194	13.403	15.214	16.997	13.597	13.275
65.0	13.839	13.121	12.571	12.923	13.457	12.739	12.948
67.5	12.323	12.197	12.336	12.336	12.260	12.424	12.463
70.0	11.741	11.729	11.900	11.828	11.922	11.981	12.041
72.5	11.354	11.361	11.474	11.283	11.395	11.490	11.421
75.0	10.804	10.960	10.888	11.041	10.705	10.972	10.995
77.5	10.231	10.451	10.528	10.463	10.186	10.306	10.242
80.0	9.723	9.865	10.217	9.961	9.864	9.729	9.677
82.5	9.191	9.328	9.660	9.316	9.330	9.262	9.203
85.0	8.758	8.884	9.110	8.897	8.873	8.727	8.567
87.5	8.371	8.215	7.626	8.644	7.443	8.094	8.123
90.0	7.031	1.099	7.067	6.723	7.233	6.268	6.779

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D10-NN-35-90-D35-BK.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	948.60	47.40	47.40
0-30	1488.34	74.40	74.40
0-40	1794.44	89.70	89.70
0-60	1965.44	98.30	98.30
0-80	1990.87	99.50	99.50
0-90	2000.08	100.00	100.00
10-90	1680.93	84.00	84.00
20-40	845.85	42.30	42.30
20-50	974.30	48.70	48.70
40-70	184.93	9.20	9.20
60-80	25.43	1.30	1.30
70-80	11.50	0.60	0.60
80-90	9.20	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	2000.08	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	319.15
10-20	629.45
20-30	539.74
30-40	306.10
40-50	128.45
50-60	42.54
60-70	13.94
70-80	11.50
80-90	9.20
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

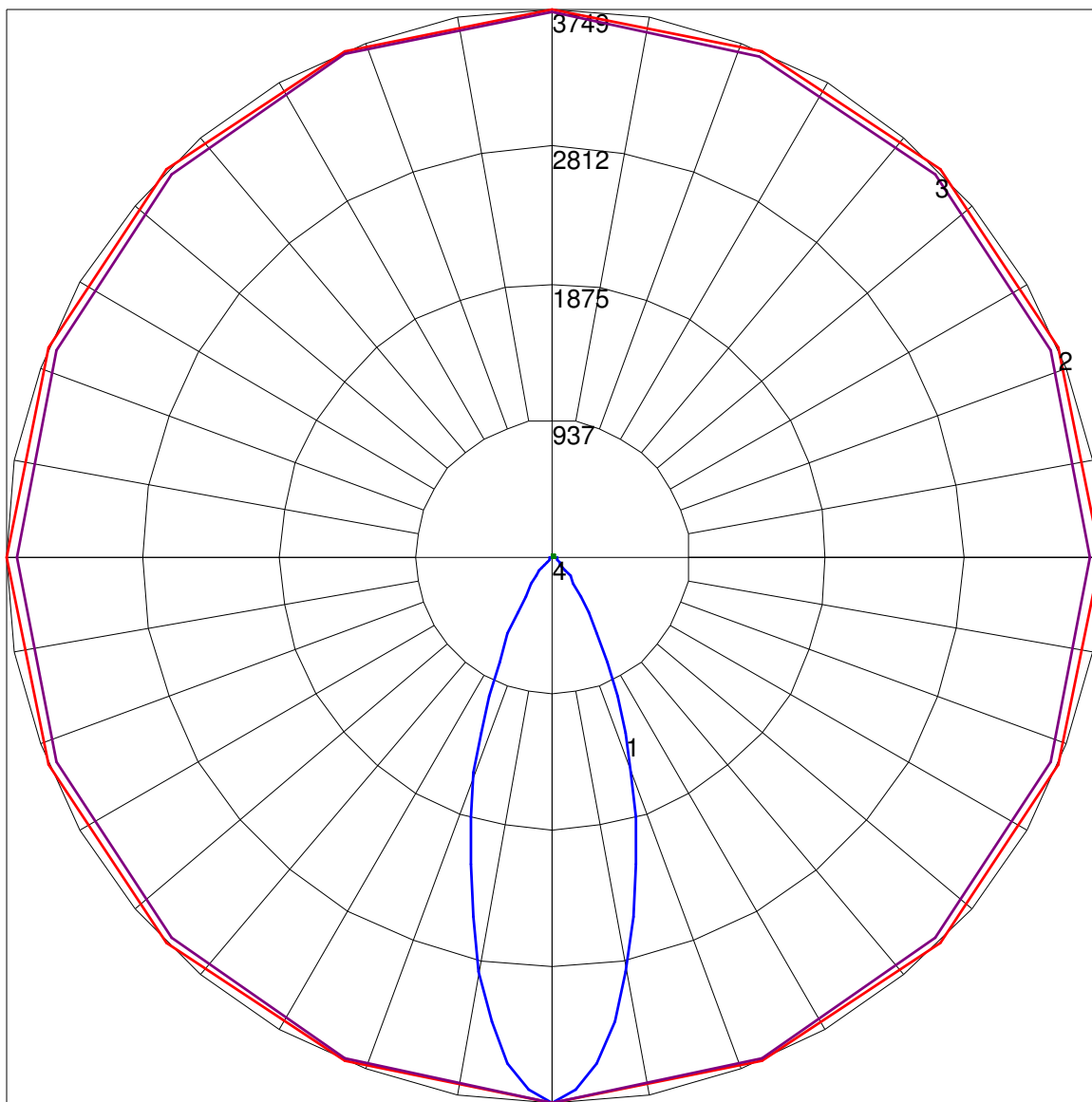
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D10-NN-35-90-D35-BK.IES

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	80	78	76
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	81	75	71	88	80	74	70	78	74	70	77	73	70	76	72	69	68
7	85	76	70	66	84	76	70	66	74	69	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	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55

POLAR GRAPH



Maximum Candela = 3749.192 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)