



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-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-D5-NN-35-90-D35-BK

[LUMCAT] SIE-PR-1-MCO-2-D5-NN-35-90-D35-BK

[_SERIALNUMBER] VFR-210907-2762-MS

CHARACTERISTICS

Lumens Per Lamp	1000 (1 lamp)
Total Lamp Lumens	1000
Luminaire Lumens	1000
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	11.72
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.60
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	6537	11569	11350
55	1987	4013	3650
65	1337	1425	1300
75	1804	1790	1847
85	4089	4221	4264

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-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	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266
2.5	1848.390	1849.324	1864.563	1878.780	1861.983	1861.599	1855.607	1856.077	1848.390	1849.324
5.0	1761.312	1764.934	1781.894	1799.830	1784.491	1783.514	1773.387	1769.772	1761.312	1764.934
7.5	1625.020	1632.657	1652.923	1675.512	1663.453	1660.840	1644.488	1635.388	1625.020	1632.657
10.0	1455.801	1467.733	1491.354	1518.224	1511.068	1505.897	1483.075	1466.914	1455.801	1467.733
12.5	1272.998	1289.104	1315.184	1345.141	1342.924	1335.517	1306.969	1285.353	1272.998	1289.104
15.0	1096.125	1113.909	1140.917	1173.003	1175.192	1165.002	1133.506	1107.617	1096.125	1113.909
17.5	934.813	953.079	980.276	1008.386	1018.136	1002.554	973.138	946.845	934.813	953.079
20.0	789.394	809.115	836.689	860.864	876.207	855.199	830.636	803.669	789.394	809.115
22.5	653.422	678.431	708.315	735.387	750.097	729.204	705.147	674.320	653.422	678.431
25.0	524.047	556.771	592.803	624.362	637.633	619.458	594.371	554.043	524.047	556.771
27.5	403.806	443.471	491.602	526.445	536.333	523.067	495.902	440.810	403.806	443.471
30.0	300.554	342.241	404.300	439.218	439.979	436.417	408.011	339.244	300.554	342.241
32.5	219.804	257.500	327.422	358.258	348.853	356.372	330.981	254.510	219.804	257.500
35.0	160.828	191.608	261.327	284.311	269.282	283.281	264.558	188.626	160.828	191.608
37.5	118.882	142.592	205.668	220.873	204.688	220.425	208.158	140.693	118.882	142.592
40.0	88.906	106.327	159.023	169.256	154.790	169.382	160.734	105.327	88.906	106.327
42.5	66.865	79.237	120.601	128.753	116.717	129.101	121.327	80.035	66.865	79.237
45.0	50.552	59.695	89.456	97.482	87.763	97.802	89.547	61.072	50.552	59.695
47.5	37.665	45.267	65.477	73.297	65.679	73.542	65.316	46.435	37.665	45.267
50.0	27.379	33.836	47.852	54.522	48.432	54.512	47.696	34.770	27.379	33.836
52.5	19.016	24.509	34.901	39.814	34.382	39.658	34.730	25.183	19.016	24.509
55.0	12.461	16.887	25.171	28.162	22.893	27.930	25.083	17.212	12.461	16.887
57.5	8.333	11.274	17.716	18.628	14.110	18.534	17.562	11.088	8.333	11.274
60.0	6.671	7.935	12.117	11.598	8.748	11.526	11.937	7.482	6.671	7.935
62.5	6.265	6.548	8.489	7.568	6.532	7.532	8.223	6.350	6.265	6.548
65.0	6.179	6.134	6.588	6.215	6.006	6.138	6.430	6.040	6.179	6.134
67.5	6.036	5.876	5.867	5.871	5.881	5.703	5.897	5.781	6.036	5.876
70.0	5.709	5.723	5.598	5.666	5.686	5.470	5.631	5.713	5.709	5.723
72.5	5.431	5.440	5.307	5.385	5.480	5.292	5.344	5.404	5.431	5.440
75.0	5.106	5.038	5.067	5.092	5.228	5.075	5.081	5.167	5.106	5.038
77.5	4.810	4.771	4.844	4.896	5.019	4.881	4.852	4.758	4.810	4.771
80.0	4.515	4.568	4.547	4.662	4.699	4.606	4.649	4.494	4.515	4.568
82.5	4.220	4.221	4.255	4.338	4.420	4.258	4.298	4.280	4.220	4.221
85.0	3.897	3.924	4.023	4.129	4.064	3.956	3.992	3.941	3.897	3.924
87.5	3.753	3.690	3.867	0.711	3.538	3.787	3.520	3.646	3.753	3.690
90.0	3.271	0.403	3.227	0.399	3.307	3.273	3.421	3.025	3.271	0.403

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	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266	1881.266
2.5	1864.563	1878.780	1861.983	1861.599	1855.607	1856.077	1848.390
5.0	1781.894	1799.830	1784.491	1783.514	1773.387	1769.772	1761.312
7.5	1652.923	1675.512	1663.453	1660.840	1644.488	1635.388	1625.020
10.0	1491.354	1518.224	1511.068	1505.897	1483.075	1466.914	1455.801
12.5	1315.184	1345.141	1342.924	1335.517	1306.969	1285.353	1272.998
15.0	1140.917	1173.003	1175.192	1165.002	1133.506	1107.617	1096.125
17.5	980.276	1008.386	1018.136	1002.554	973.138	946.845	934.813
20.0	836.689	860.864	876.207	855.199	830.636	803.669	789.394
22.5	708.315	735.387	750.097	729.204	705.147	674.320	653.422
25.0	592.803	624.362	637.633	619.458	594.371	554.043	524.047
27.5	491.602	526.445	536.333	523.067	495.902	440.810	403.806
30.0	404.300	439.218	439.979	436.417	408.011	339.244	300.554

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-NN-35-90-D35-BK.IES

CANDELA TABULATION - (Cont.)

32.5	327.422	358.258	348.853	356.372	330.981	254.510	219.804
35.0	261.327	284.311	269.282	283.281	264.558	188.626	160.828
37.5	205.668	220.873	204.688	220.425	208.158	140.693	118.882
40.0	159.023	169.256	154.790	169.382	160.734	105.327	88.906
42.5	120.601	128.753	116.717	129.101	121.327	80.035	66.865
45.0	89.456	97.482	87.763	97.802	89.547	61.072	50.552
47.5	65.477	73.297	65.679	73.542	65.316	46.435	37.665
50.0	47.852	54.522	48.432	54.512	47.696	34.770	27.379
52.5	34.901	39.814	34.382	39.658	34.730	25.183	19.016
55.0	25.171	28.162	22.893	27.930	25.083	17.212	12.461
57.5	17.716	18.628	14.110	18.534	17.562	11.088	8.333
60.0	12.117	11.598	8.748	11.526	11.937	7.482	6.671
62.5	8.489	7.568	6.532	7.532	8.223	6.350	6.265
65.0	6.588	6.215	6.006	6.138	6.430	6.040	6.179
67.5	5.867	5.871	5.881	5.703	5.897	5.781	6.036
70.0	5.598	5.666	5.686	5.470	5.631	5.713	5.709
72.5	5.307	5.385	5.480	5.292	5.344	5.404	5.431
75.0	5.067	5.092	5.228	5.075	5.081	5.167	5.106
77.5	4.844	4.896	5.019	4.881	4.852	4.758	4.810
80.0	4.547	4.662	4.699	4.606	4.649	4.494	4.515
82.5	4.255	4.338	4.420	4.258	4.298	4.280	4.220
85.0	4.023	4.129	4.064	3.956	3.992	3.941	3.897
87.5	3.867	0.711	3.538	3.787	3.520	3.646	3.753
90.0	3.227	0.399	3.307	3.273	3.421	3.025	3.271

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-NN-35-90-D35-BK.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	475.85	47.60	47.60
0-30	745.89	74.60	74.60
0-40	898.54	89.90	89.90
0-60	983.39	98.30	98.40
0-80	995.47	99.50	99.60
0-90	999.60	100.00	100.00
10-90	839.29	83.90	84.00
20-40	422.70	42.30	42.30
20-50	486.56	48.70	48.70
40-70	91.51	9.20	9.20
60-80	12.08	1.20	1.20
70-80	5.41	0.50	0.50
80-90	4.13	0.40	0.40
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	999.60	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	160.31
10-20	315.54
20-30	270.05
30-40	152.65
40-50	63.86
50-60	20.98
60-70	6.67
70-80	5.41
80-90	4.13
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

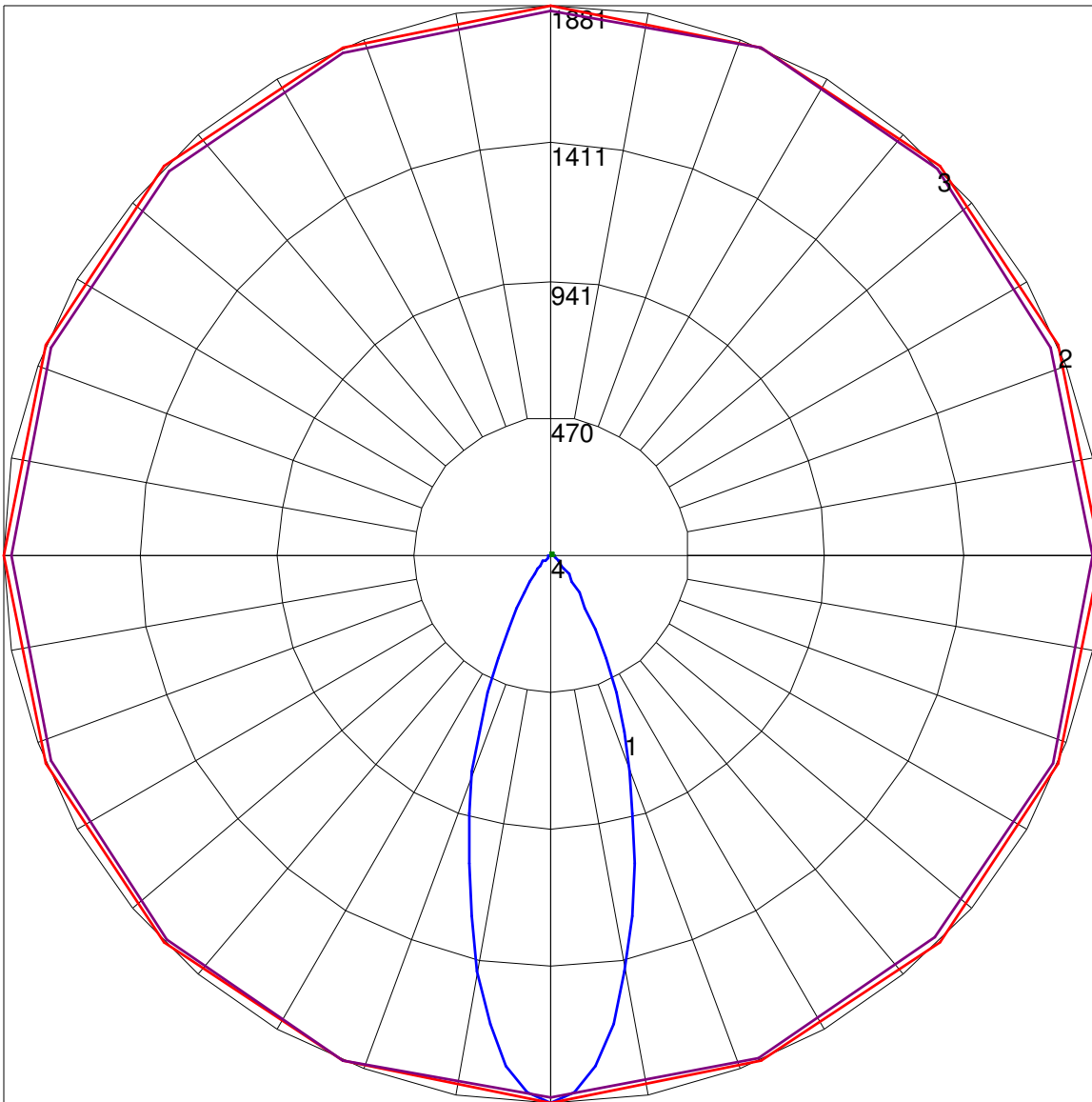
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-NN-35-90-D35-BK.IES

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	102	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	77
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 = 1881.266 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)