



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D7-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-D7-NN-35-90-D35-BK

[LUMCAT] SIE-PR-1-MCO-2-D7-NN-35-90-D35-BK

[_SERIALNUMBER] VFR-210907-2761-MS

CHARACTERISTICS

Lumens Per Lamp	1500 (1 lamp)
Total Lamp Lumens	1500
Luminaire Lumens	1500
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	18.31
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	9935	17470	17098
55	3065	6069	5530
65	2064	2207	2060
75	2814	2830	2888
85	6701	6863	7025

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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	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865
2.5	2749.798	2757.555	2777.748	2791.470	2785.465	2780.823	2769.621	2756.413	2749.798	2757.555
5.0	2620.954	2633.083	2654.856	2674.767	2671.299	2664.481	2647.780	2631.589	2620.954	2633.083
7.5	2420.799	2436.317	2463.063	2491.552	2490.837	2481.617	2456.689	2434.502	2420.799	2436.317
10.0	2172.423	2191.219	2224.007	2261.403	2262.082	2251.342	2216.035	2188.624	2172.423	2191.219
12.5	1903.384	1924.756	1962.501	2007.072	2010.157	1996.416	1954.182	1921.777	1903.384	1924.756
15.0	1640.850	1664.462	1704.301	1752.695	1759.363	1741.945	1695.492	1659.808	1640.850	1664.462
17.5	1400.736	1424.809	1465.817	1508.866	1524.420	1500.271	1456.658	1420.749	1400.736	1424.809
20.0	1183.141	1210.294	1252.181	1287.578	1313.032	1279.618	1243.971	1206.751	1183.141	1210.294
22.5	980.206	1015.777	1060.098	1101.099	1123.892	1091.440	1057.151	1012.122	980.206	1015.777
25.0	786.837	833.723	887.477	935.684	956.017	927.779	891.550	831.538	786.837	833.723
27.5	608.459	664.201	737.217	789.489	805.490	783.836	744.460	663.115	608.459	664.201
30.0	454.772	512.978	606.496	658.863	660.692	654.541	613.091	512.481	454.772	512.978
32.5	333.553	386.018	491.521	538.568	523.220	534.946	497.450	386.214	333.553	386.018
35.0	244.326	287.252	392.808	428.745	404.292	425.019	397.929	287.349	244.326	287.252
37.5	180.727	214.058	309.565	333.707	307.272	331.240	313.252	214.363	180.727	214.058
40.0	135.127	159.750	239.628	256.047	232.340	254.759	242.277	160.968	135.127	159.750
42.5	101.821	119.386	181.772	195.249	175.462	194.433	182.937	121.942	101.821	119.386
45.0	76.822	89.881	135.092	147.909	132.210	147.339	135.115	92.982	76.822	89.881
47.5	57.437	68.294	98.943	111.357	99.013	110.743	98.667	70.770	57.437	68.294
50.0	41.790	51.145	72.262	82.853	72.918	82.186	71.711	53.082	41.790	51.145
52.5	29.021	37.018	52.773	60.441	51.980	59.992	52.492	38.450	29.021	37.018
55.0	19.223	25.515	38.065	42.839	34.688	42.288	37.934	26.345	19.223	25.515
57.5	13.086	16.915	27.012	28.663	21.334	28.151	26.520	17.470	13.086	16.915
60.0	10.531	11.908	18.712	18.213	13.264	17.512	18.167	12.153	10.531	11.908
62.5	9.910	9.921	13.086	12.037	10.178	11.415	12.576	10.047	9.910	9.921
65.0	9.538	9.267	10.200	9.709	9.521	9.429	9.917	9.427	9.538	9.267
67.5	9.162	9.058	9.167	9.164	9.037	9.074	9.189	9.234	9.162	9.058
70.0	8.901	8.781	8.783	8.735	8.742	8.728	8.878	8.927	8.901	8.781
72.5	8.406	8.438	8.432	8.372	8.574	8.471	8.572	8.388	8.406	8.438
75.0	7.964	8.093	8.009	8.013	8.173	8.088	8.177	7.993	7.964	8.093
77.5	7.618	7.625	7.715	7.645	7.740	7.640	7.863	7.663	7.618	7.625
80.0	7.207	7.216	7.235	7.341	7.497	7.378	7.218	7.434	7.207	7.216
82.5	6.830	6.818	6.731	6.954	6.995	6.963	6.812	6.862	6.830	6.818
85.0	6.387	6.284	6.541	6.480	6.696	6.543	6.575	6.393	6.387	6.284
87.5	6.189	5.764	6.314	5.996	5.714	6.221	5.590	5.961	6.189	5.764
90.0	5.134	0.649	5.195	0.713	5.553	5.125	5.433	4.650	5.134	0.649

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	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865	2805.865
2.5	2777.748	2791.470	2785.465	2780.823	2769.621	2756.413	2749.798
5.0	2654.856	2674.767	2671.299	2664.481	2647.780	2631.589	2620.954
7.5	2463.063	2491.552	2490.837	2481.617	2456.689	2434.502	2420.799
10.0	2224.007	2261.403	2262.082	2251.342	2216.035	2188.624	2172.423
12.5	1962.501	2007.072	2010.157	1996.416	1954.182	1921.777	1903.384
15.0	1704.301	1752.695	1759.363	1741.945	1695.492	1659.808	1640.850
17.5	1465.817	1508.866	1524.420	1500.271	1456.658	1420.749	1400.736
20.0	1252.181	1287.578	1313.032	1279.618	1243.971	1206.751	1183.141
22.5	1060.098	1101.099	1123.892	1091.440	1057.151	1012.122	980.206
25.0	887.477	935.684	956.017	927.779	891.550	831.538	786.837
27.5	737.217	789.489	805.490	783.836	744.460	663.115	608.459
30.0	606.496	658.863	660.692	654.541	613.091	512.481	454.772

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CANDELA TABULATION - (Cont.)

32.5	491.521	538.568	523.220	534.946	497.450	386.214	333.553
35.0	392.808	428.745	404.292	425.019	397.929	287.349	244.326
37.5	309.565	333.707	307.272	331.240	313.252	214.363	180.727
40.0	239.628	256.047	232.340	254.759	242.277	160.968	135.127
42.5	181.772	195.249	175.462	194.433	182.937	121.942	101.821
45.0	135.092	147.909	132.210	147.339	135.115	92.982	76.822
47.5	98.943	111.357	99.013	110.743	98.667	70.770	57.437
50.0	72.262	82.853	72.918	82.186	71.711	53.082	41.790
52.5	52.773	60.441	51.980	59.992	52.492	38.450	29.021
55.0	38.065	42.839	34.688	42.288	37.934	26.345	19.223
57.5	27.012	28.663	21.334	28.151	26.520	17.470	13.086
60.0	18.712	18.213	13.264	17.512	18.167	12.153	10.531
62.5	13.086	12.037	10.178	11.415	12.576	10.047	9.910
65.0	10.200	9.709	9.521	9.429	9.917	9.427	9.538
67.5	9.167	9.164	9.037	9.074	9.189	9.234	9.162
70.0	8.783	8.735	8.742	8.728	8.878	8.927	8.901
72.5	8.432	8.372	8.574	8.471	8.572	8.388	8.406
75.0	8.009	8.013	8.173	8.088	8.177	7.993	7.964
77.5	7.715	7.645	7.740	7.640	7.863	7.663	7.618
80.0	7.235	7.341	7.497	7.378	7.218	7.434	7.207
82.5	6.731	6.954	6.995	6.963	6.812	6.862	6.830
85.0	6.541	6.480	6.696	6.543	6.575	6.393	6.387
87.5	6.314	5.996	5.714	6.221	5.590	5.961	6.189
90.0	5.195	0.713	5.553	5.125	5.433	4.650	5.134

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	711.01	47.40	47.40
0-30	1115.93	74.40	74.40
0-40	1345.77	89.70	89.70
0-60	1474.15	98.30	98.30
0-80	1493.03	99.50	99.50
0-90	1499.84	100.00	100.00
10-90	1260.74	84.00	84.10
20-40	634.75	42.30	42.30
20-50	731.26	48.80	48.80
40-70	138.73	9.20	9.20
60-80	18.88	1.30	1.30
70-80	8.53	0.60	0.60
80-90	6.82	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	1499.84	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	239.10
10-20	471.91
20-30	404.91
30-40	229.84
40-50	96.51
50-60	31.87
60-70	10.35
70-80	8.53
80-90	6.82
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

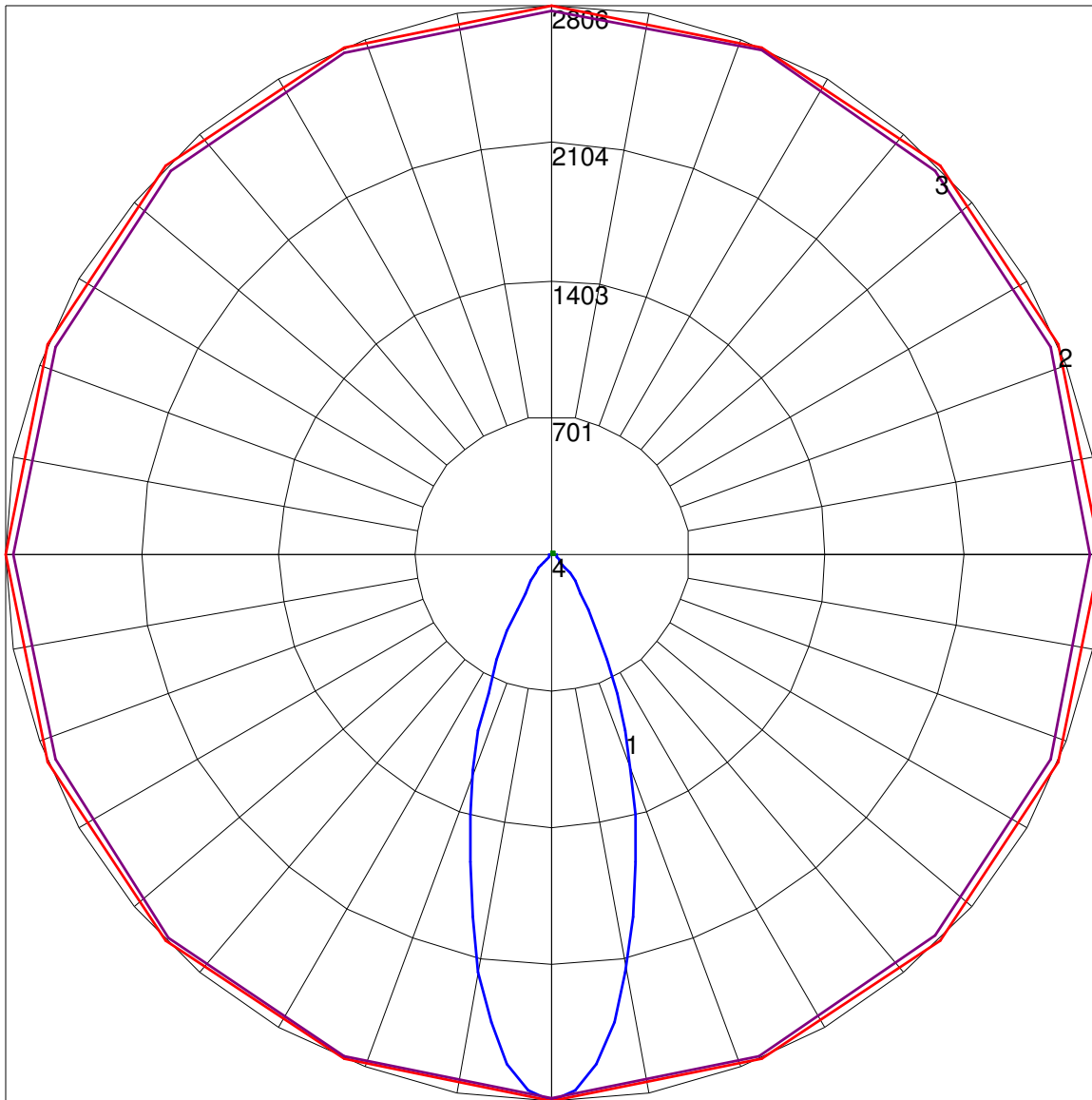
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 2805.865 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)