



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I5-35-90-D35-IF150.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-I5-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D5-I5-35-90-D35-IF150

[_SERIALNUMBER] VFR-210907-2763-MS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	19.19
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
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	11349
55	1986	4013	3649
65	1337	1426	1300
75	1805	1791	1848
85	4092	4218	4260

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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	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27
2.5	1848.39	1849.32	1864.56	1878.78	1861.98	1861.60	1855.61	1856.08	1848.39	1849.32
5.0	1761.31	1764.93	1781.89	1799.83	1784.49	1783.51	1773.39	1769.77	1761.31	1764.93
7.5	1625.02	1632.66	1652.92	1675.51	1663.45	1660.84	1644.49	1635.39	1625.02	1632.66
10.0	1455.80	1467.73	1491.35	1518.22	1511.07	1505.90	1483.08	1466.91	1455.80	1467.73
12.5	1273.00	1289.10	1315.18	1345.14	1342.92	1335.52	1306.97	1285.35	1273.00	1289.10
15.0	1096.13	1113.91	1140.92	1173.00	1175.19	1165.00	1133.51	1107.62	1096.13	1113.91
17.5	934.81	953.08	980.28	1008.39	1018.14	1002.55	973.14	946.85	934.81	953.08
20.0	789.39	809.11	836.69	860.86	876.21	855.20	830.64	803.67	789.39	809.11
22.5	653.42	678.43	708.31	735.39	750.10	729.20	705.15	674.32	653.42	678.43
25.0	524.05	556.77	592.80	624.36	637.63	619.46	594.37	554.04	524.05	556.77
27.5	403.81	443.47	491.60	526.44	536.33	523.07	495.90	440.81	403.81	443.47
30.0	300.55	342.24	404.30	439.22	439.98	436.42	408.01	339.24	300.55	342.24
32.5	219.80	257.50	327.42	358.26	348.85	356.37	330.98	254.51	219.80	257.50
35.0	160.83	191.61	261.33	284.31	269.28	283.28	264.56	188.63	160.83	191.61
37.5	118.88	142.59	205.67	220.87	204.69	220.43	208.16	140.69	118.88	142.59
40.0	88.91	106.33	159.02	169.26	154.79	169.38	160.73	105.33	88.91	106.33
42.5	66.87	79.24	120.60	128.75	116.72	129.10	121.33	80.04	66.87	79.24
45.0	50.55	59.69	89.46	97.48	87.76	97.80	89.55	61.07	50.55	59.69
47.5	37.66	45.27	65.48	73.30	65.68	73.54	65.32	46.44	37.66	45.27
50.0	27.38	33.84	47.85	54.52	48.43	54.51	47.70	34.77	27.38	33.84
52.5	19.02	24.51	34.90	39.81	34.38	39.66	34.73	25.18	19.02	24.51
55.0	12.46	16.89	25.17	28.16	22.89	27.93	25.08	17.21	12.46	16.89
57.5	8.33	11.27	17.72	18.63	14.11	18.53	17.56	11.09	8.33	11.27
60.0	6.67	7.93	12.12	11.60	8.75	11.53	11.94	7.48	6.67	7.93
62.5	6.26	6.55	8.49	7.57	6.53	7.53	8.22	6.35	6.26	6.55
65.0	6.18	6.13	6.59	6.21	6.01	6.14	6.43	6.04	6.18	6.13
67.5	6.04	5.88	5.87	5.87	5.88	5.70	5.90	5.78	6.04	5.88
70.0	5.71	5.72	5.60	5.67	5.69	5.47	5.63	5.71	5.71	5.72
72.5	5.43	5.44	5.31	5.39	5.48	5.29	5.34	5.40	5.43	5.44
75.0	5.11	5.04	5.07	5.09	5.23	5.07	5.08	5.17	5.11	5.04
77.5	4.81	4.77	4.84	4.90	5.02	4.88	4.85	4.76	4.81	4.77
80.0	4.52	4.57	4.55	4.66	4.70	4.61	4.65	4.49	4.52	4.57
82.5	4.22	4.22	4.25	4.34	4.42	4.26	4.30	4.28	4.22	4.22
85.0	3.90	3.92	4.02	4.13	4.06	3.96	3.99	3.94	3.90	3.92
87.5	3.75	3.69	3.87	0.71	3.54	3.79	3.52	3.65	3.75	3.69
90.0	3.27	0.40	3.23	0.40	3.31	3.27	3.42	3.03	3.27	0.40
92.5	4.62	22.36	9.41	25.23	46.74	44.04	76.41	28.03	8.87	28.03
95.0	6.68	42.66	53.03	103.94	96.26	107.45	119.17	42.82	17.00	42.82
97.5	12.51	51.70	96.14	154.22	155.75	155.97	150.49	49.49	26.49	49.49
100.0	20.85	57.44	130.27	176.69	209.95	207.49	165.02	54.31	36.06	54.31
102.5	30.02	61.57	153.69	201.73	260.53	259.65	170.65	59.38	45.44	59.38
105.0	39.77	66.55	164.90	231.01	307.57	295.45	171.05	66.01	54.82	66.01
107.5	49.45	73.54	169.70	251.86	340.85	318.72	168.57	74.05	64.15	74.05
110.0	58.85	81.55	169.21	261.73	361.15	326.63	163.99	82.25	72.71	82.25
112.5	67.99	89.87	165.11	264.62	368.55	321.26	160.95	89.75	80.90	89.75
115.0	76.47	97.49	159.80	266.13	364.28	306.83	159.99	96.87	88.33	96.87
117.5	84.25	104.53	155.99	269.97	349.69	288.07	160.65	103.78	95.15	103.78
120.0	91.65	110.89	154.81	256.70	330.42	269.65	162.52	110.25	101.50	110.25
122.5	98.40	117.07	155.91	241.95	309.51	253.36	164.86	116.40	107.11	116.40
125.0	104.72	122.85	158.70	230.61	289.47	240.27	167.57	121.83	112.49	121.83
127.5	110.43	127.96	161.95	222.67	272.69	230.19	170.12	126.69	117.46	126.69
130.0	115.62	132.67	165.56	217.21	258.87	222.60	172.73	131.23	122.25	131.23
132.5	120.56	136.82	169.03	213.49	247.53	217.28	175.11	135.63	126.71	135.63

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CANDELA TABULATION - (Cont.)

135.0	125.29	140.72	172.06	210.66	238.46	213.42	177.39	139.85	130.85	139.85
137.5	129.71	144.51	174.53	208.67	231.16	210.54	179.34	143.60	135.14	143.60
140.0	133.99	148.02	176.77	207.07	225.21	208.33	180.80	147.27	139.07	147.27
142.5	137.91	151.41	178.73	205.40	220.45	206.25	181.60	150.41	142.88	150.41
145.0	141.97	154.55	180.31	203.97	216.40	204.45	182.03	153.52	146.31	153.52
147.5	145.73	157.35	181.34	202.51	212.76	202.75	181.89	156.11	149.89	156.11
150.0	149.54	159.95	181.86	200.61	209.15	200.82	181.61	158.51	153.19	158.51
152.5	152.88	162.31	181.79	198.59	205.67	198.51	180.95	160.67	156.39	160.67
155.0	156.12	164.06	181.49	196.05	202.19	196.14	180.18	162.59	159.35	162.59
157.5	159.13	165.63	180.97	193.20	198.62	193.22	179.41	164.53	161.99	164.53
160.0	161.93	167.31	180.13	190.13	194.75	190.30	178.65	166.44	164.56	166.44
162.5	164.15	168.97	179.44	183.49	190.73	187.37	177.87	168.36	166.63	168.36
165.0	166.47	170.72	178.71	163.53	186.98	184.67	176.75	169.83	168.84	169.83
167.5	168.41	171.96	177.79	154.10	183.76	181.92	175.67	171.06	170.32	171.06
170.0	170.35	172.65	176.69	153.61	180.60	179.02	174.77	172.00	171.69	172.00
172.5	171.54	173.10	175.59	153.79	178.02	176.26	174.17	172.58	172.61	172.58
175.0	172.47	173.33	175.02	153.49	176.37	172.10	173.69	173.09	173.36	173.09
177.5	173.20	173.63	174.17	151.76	175.23	156.19	173.63	173.51	173.55	173.51
180.0	167.38	167.38	167.38	167.38	167.38	167.38	167.38	167.38	167.38	167.38

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	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27	1881.27
2.5	1864.56	1878.78	1861.98	1861.60	1855.61	1856.08	1848.39
5.0	1781.89	1799.83	1784.49	1783.51	1773.39	1769.77	1761.31
7.5	1652.92	1675.51	1663.45	1660.84	1644.49	1635.39	1625.02
10.0	1491.35	1518.22	1511.07	1505.90	1483.08	1466.91	1455.80
12.5	1315.18	1345.14	1342.92	1335.52	1306.97	1285.35	1273.00
15.0	1140.92	1173.00	1175.19	1165.00	1133.51	1107.62	1096.13
17.5	980.28	1008.39	1018.14	1002.55	973.14	946.85	934.81
20.0	836.69	860.86	876.21	855.20	830.64	803.67	789.39
22.5	708.31	735.39	750.10	729.20	705.15	674.32	653.42
25.0	592.80	624.36	637.63	619.46	594.37	554.04	524.05
27.5	491.60	526.44	536.33	523.07	495.90	440.81	403.81
30.0	404.30	439.22	439.98	436.42	408.01	339.24	300.55
32.5	327.42	358.26	348.85	356.37	330.98	254.51	219.80
35.0	261.33	284.31	269.28	283.28	264.56	188.63	160.83
37.5	205.67	220.87	204.69	220.43	208.16	140.69	118.88
40.0	159.02	169.26	154.79	169.38	160.73	105.33	88.91
42.5	120.60	128.75	116.72	129.10	121.33	80.04	66.87
45.0	89.46	97.48	87.76	97.80	89.55	61.07	50.55
47.5	65.48	73.30	65.68	73.54	65.32	46.44	37.66
50.0	47.85	54.52	48.43	54.51	47.70	34.77	27.38
52.5	34.90	39.81	34.38	39.66	34.73	25.18	19.02
55.0	25.17	28.16	22.89	27.93	25.08	17.21	12.46
57.5	17.72	18.63	14.11	18.53	17.56	11.09	8.33
60.0	12.12	11.60	8.75	11.53	11.94	7.48	6.67
62.5	8.49	7.57	6.53	7.53	8.22	6.35	6.26
65.0	6.59	6.21	6.01	6.14	6.43	6.04	6.18
67.5	5.87	5.87	5.88	5.70	5.90	5.78	6.04
70.0	5.60	5.67	5.69	5.47	5.63	5.71	5.71
72.5	5.31	5.39	5.48	5.29	5.34	5.40	5.43
75.0	5.07	5.09	5.23	5.07	5.08	5.17	5.11
77.5	4.84	4.90	5.02	4.88	4.85	4.76	4.81
80.0	4.55	4.66	4.70	4.61	4.65	4.49	4.52

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82.5	4.25	4.34	4.42	4.26	4.30	4.28	4.22
85.0	4.02	4.13	4.06	3.96	3.99	3.94	3.90
87.5	3.87	0.71	3.54	3.79	3.52	3.65	3.75
90.0	3.23	0.40	3.31	3.27	3.42	3.03	3.27
92.5	76.41	44.04	46.74	25.23	9.41	22.36	4.62
95.0	119.17	107.45	96.26	103.94	53.03	42.66	6.68
97.5	150.49	155.97	155.75	154.22	96.14	51.70	12.51
100.0	165.02	207.49	209.95	176.69	130.27	57.44	20.85
102.5	170.65	259.65	260.53	201.73	153.69	61.57	30.02
105.0	171.05	295.45	307.57	231.01	164.90	66.55	39.77
107.5	168.57	318.72	340.85	251.86	169.70	73.54	49.45
110.0	163.99	326.63	361.15	261.73	169.21	81.55	58.85
112.5	160.95	321.26	368.55	264.62	165.11	89.87	67.99
115.0	159.99	306.83	364.28	266.13	159.80	97.49	76.47
117.5	160.65	288.07	349.69	269.97	155.99	104.53	84.25
120.0	162.52	269.65	330.42	256.70	154.81	110.89	91.65
122.5	164.86	253.36	309.51	241.95	155.91	117.07	98.40
125.0	167.57	240.27	289.47	230.61	158.70	122.85	104.72
127.5	170.12	230.19	272.69	222.67	161.95	127.96	110.43
130.0	172.73	222.60	258.87	217.21	165.56	132.67	115.62
132.5	175.11	217.28	247.53	213.49	169.03	136.82	120.56
135.0	177.39	213.42	238.46	210.66	172.06	140.72	125.29
137.5	179.34	210.54	231.16	208.67	174.53	144.51	129.71
140.0	180.80	208.33	225.21	207.07	176.77	148.02	133.99
142.5	181.60	206.25	220.45	205.40	178.73	151.41	137.91
145.0	182.03	204.45	216.40	203.97	180.31	154.55	141.97
147.5	181.89	202.75	212.76	202.51	181.34	157.35	145.73
150.0	181.61	200.82	209.15	200.61	181.86	159.95	149.54
152.5	180.95	198.51	205.67	198.59	181.79	162.31	152.88
155.0	180.18	196.14	202.19	196.05	181.49	164.06	156.12
157.5	179.41	193.22	198.62	193.20	180.97	165.63	159.13
160.0	178.65	190.30	194.75	190.13	180.13	167.31	161.93
162.5	177.87	187.37	190.73	183.49	179.44	168.97	164.15
165.0	176.75	184.67	186.98	163.53	178.71	170.72	166.47
167.5	175.67	181.92	183.76	154.10	177.79	171.96	168.41
170.0	174.77	179.02	180.60	153.61	176.69	172.65	170.35
172.5	174.17	176.26	178.02	153.79	175.59	173.10	171.54
175.0	173.69	172.10	176.37	153.49	175.02	173.33	172.47
177.5	173.63	156.19	175.23	151.76	174.17	173.63	173.20
180.0	167.38	167.38	167.38	167.38	167.38	167.38	167.38

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	475.85	N.A.	23.80
0-30	745.89	N.A.	37.30
0-40	898.54	N.A.	44.90
0-60	983.39	N.A.	49.20
0-80	995.47	N.A.	49.80
0-90	999.60	N.A.	50.00
10-90	839.29	N.A.	42.00
20-40	422.70	N.A.	21.10
20-50	486.56	N.A.	24.30
40-70	91.51	N.A.	4.60
60-80	12.08	N.A.	0.60
70-80	5.41	N.A.	0.30
80-90	4.13	N.A.	0.20
90-110	248.96	N.A.	12.40
90-120	437.97	N.A.	21.90
90-130	600.21	N.A.	30.00
90-150	850.79	N.A.	42.50
90-180	1000.27	N.A.	50.00
110-180	751.30	N.A.	37.60
0-180	1999.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

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	74.65
100-110	174.32
110-120	189.01
120-130	162.23
130-140	137.66
140-150	112.93
150-160	83.30
160-170	49.82
170-180	16.36

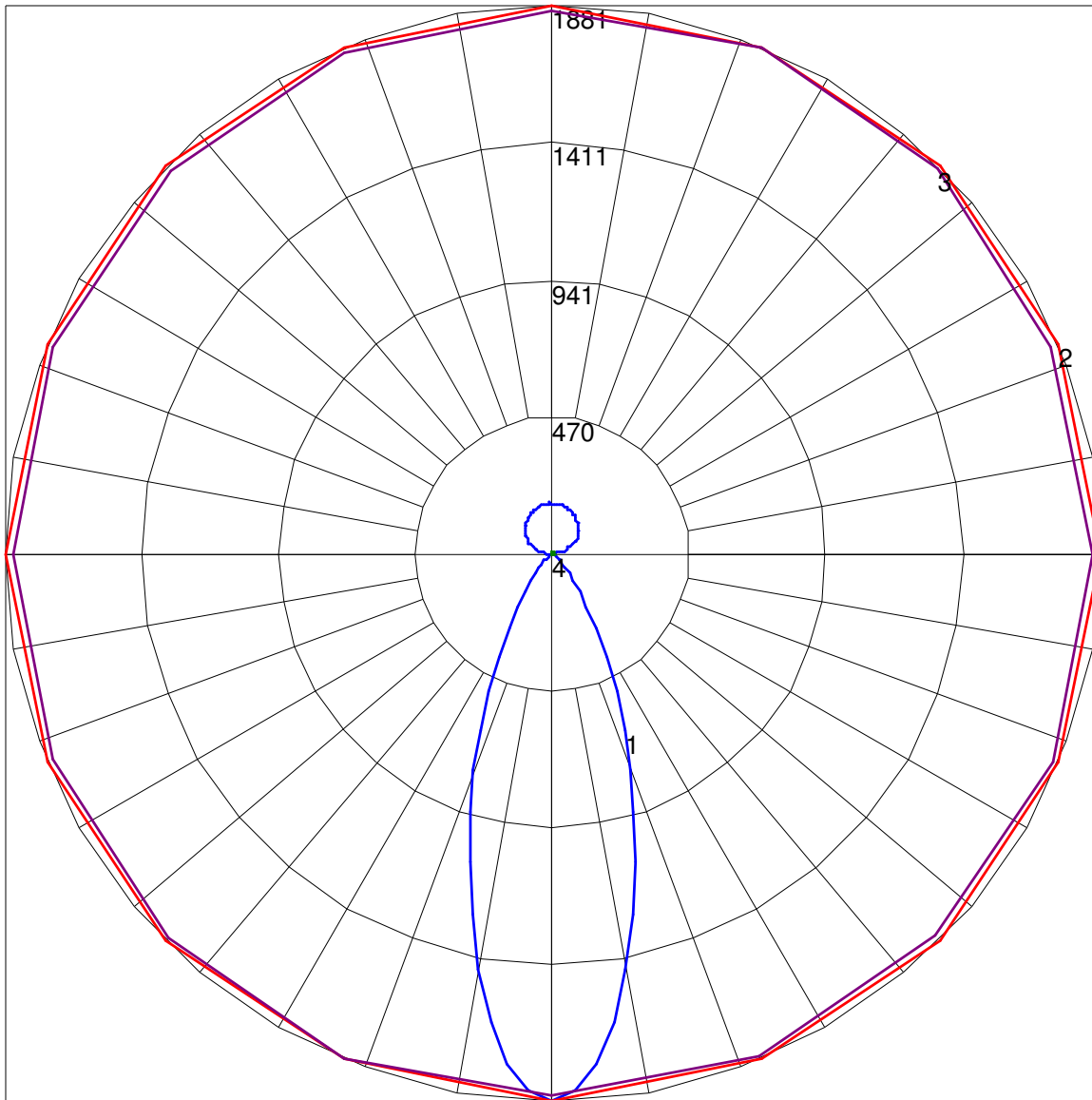
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	91	92	90	87	85	76	75	73	64	63	62	53	52	52	47
2	93	88	83	79	86	82	78	74	70	67	65	60	58	56	50	49	48	44
3	87	80	74	70	81	75	70	66	65	61	58	56	53	51	47	46	45	41
4	82	73	67	62	76	69	63	59	60	56	53	52	49	47	45	43	42	38
5	77	67	61	56	71	63	58	54	56	52	49	49	46	44	42	40	39	36
6	72	62	56	51	67	59	53	49	52	48	45	46	43	41	40	38	36	34
7	68	58	51	47	63	55	49	45	49	45	41	43	40	38	38	36	34	32
8	64	54	47	43	60	51	45	42	46	42	38	41	38	35	36	34	32	30
9	61	50	44	40	57	48	42	39	43	39	36	39	36	33	35	32	31	29
10	57	47	41	37	54	45	40	36	41	37	34	37	34	31	33	31	29	27

POLAR GRAPH



Maximum Candela = 1881.27 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)