



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I10-35-90-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-I10-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D5-I10-35-90-D35-IF150

[_SERIALNUMBER] VFR-210907-2763-MS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	26.66
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	9.24	44.72	18.81	50.47	93.48	88.08	152.83	56.07	17.75	56.07
95.0	13.36	85.32	106.05	207.88	192.52	214.91	238.35	85.64	34.00	85.64
97.5	25.01	103.40	192.28	308.44	311.51	311.93	300.97	98.97	52.99	98.97
100.0	41.71	114.88	260.53	353.39	419.89	414.99	330.04	108.61	72.12	108.61
102.5	60.04	123.13	307.37	403.47	521.05	519.29	341.29	118.76	90.88	118.76
105.0	79.55	133.11	329.80	462.03	615.15	590.91	342.11	132.01	109.64	132.01
107.5	98.89	147.08	339.40	503.72	681.69	637.44	337.15	148.09	128.29	148.09
110.0	117.71	163.11	338.43	523.45	722.31	653.27	327.99	164.49	145.41	164.49
112.5	135.97	179.75	330.21	529.24	737.09	642.52	321.91	179.51	161.80	179.51
115.0	152.93	194.99	319.60	532.25	728.56	613.65	319.97	193.75	176.65	193.75
117.5	168.51	209.05	311.97	539.95	699.39	576.15	321.31	207.56	190.31	207.56
120.0	183.29	221.79	309.63	513.40	660.84	539.31	325.04	220.51	203.00	220.51
122.5	196.80	234.15	311.81	483.89	619.03	506.72	329.72	232.80	214.23	232.80
125.0	209.44	245.69	317.40	461.23	578.95	480.53	335.15	243.65	224.97	243.65
127.5	220.85	255.92	323.91	445.33	545.39	460.37	340.24	253.37	234.92	253.37
130.0	231.24	265.35	331.12	434.43	517.73	445.20	345.47	262.47	244.49	262.47
132.5	241.12	273.64	338.05	426.97	495.07	434.56	350.21	271.25	253.43	271.25

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CANDELA TABULATION - (Cont.)

135.0	250.59	281.44	344.12	421.32	476.92	426.84	354.77	279.71	261.69	279.71
137.5	259.41	289.03	349.07	417.33	462.32	421.08	358.68	287.20	270.28	287.20
140.0	267.99	296.04	353.53	414.13	450.41	416.67	361.60	294.55	278.15	294.55
142.5	275.81	302.81	357.45	410.80	440.89	412.51	363.20	300.83	285.76	300.83
145.0	283.95	309.11	360.61	407.95	432.80	408.89	364.07	307.04	292.63	307.04
147.5	291.45	314.71	362.68	405.01	425.52	405.51	363.77	312.21	299.79	312.21
150.0	299.08	319.91	363.72	401.21	418.31	401.64	363.21	317.01	306.39	317.01
152.5	305.76	324.61	363.57	397.19	411.33	397.03	361.91	321.33	312.79	321.33
155.0	312.24	328.12	362.97	392.11	404.39	392.28	360.36	325.17	318.71	325.17
157.5	318.27	331.25	361.93	386.40	397.24	386.44	358.81	329.05	323.99	329.05
160.0	323.85	334.61	360.27	380.27	389.51	380.60	357.31	332.88	329.12	332.88
162.5	328.29	337.95	358.88	366.97	381.47	374.73	355.75	336.72	333.25	336.72
165.0	332.95	341.44	357.41	327.05	373.96	369.33	353.49	339.65	337.68	339.65
167.5	336.81	343.92	355.57	308.20	367.52	363.84	351.33	342.12	340.64	342.12
170.0	340.71	345.29	353.37	307.23	361.20	358.04	349.55	344.00	343.39	344.00
172.5	343.08	346.20	351.19	307.59	356.04	352.52	348.33	345.16	345.21	345.16
175.0	344.95	346.65	350.04	306.99	352.75	344.20	347.39	346.17	346.72	346.17
177.5	346.40	347.25	348.33	303.52	350.45	312.37	347.25	347.03	347.11	347.03
180.0	334.76	334.76	334.76	334.76	334.76	334.76	334.76	334.76	334.76	334.76

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	152.83	88.08	93.48	50.47	18.81	44.72	9.24
95.0	238.35	214.91	192.52	207.88	106.05	85.32	13.36
97.5	300.97	311.93	311.51	308.44	192.28	103.40	25.01
100.0	330.04	414.99	419.89	353.39	260.53	114.88	41.71
102.5	341.29	519.29	521.05	403.47	307.37	123.13	60.04
105.0	342.11	590.91	615.15	462.03	329.80	133.11	79.55
107.5	337.15	637.44	681.69	503.72	339.40	147.08	98.89
110.0	327.99	653.27	722.31	523.45	338.43	163.11	117.71
112.5	321.91	642.52	737.09	529.24	330.21	179.75	135.97
115.0	319.97	613.65	728.56	532.25	319.60	194.99	152.93
117.5	321.31	576.15	699.39	539.95	311.97	209.05	168.51
120.0	325.04	539.31	660.84	513.40	309.63	221.79	183.29
122.5	329.72	506.72	619.03	483.89	311.81	234.15	196.80
125.0	335.15	480.53	578.95	461.23	317.40	245.69	209.44
127.5	340.24	460.37	545.39	445.33	323.91	255.92	220.85
130.0	345.47	445.20	517.73	434.43	331.12	265.35	231.24
132.5	350.21	434.56	495.07	426.97	338.05	273.64	241.12
135.0	354.77	426.84	476.92	421.32	344.12	281.44	250.59
137.5	358.68	421.08	462.32	417.33	349.07	289.03	259.41
140.0	361.60	416.67	450.41	414.13	353.53	296.04	267.99
142.5	363.20	412.51	440.89	410.80	357.45	302.81	275.81
145.0	364.07	408.89	432.80	407.95	360.61	309.11	283.95
147.5	363.77	405.51	425.52	405.01	362.68	314.71	291.45
150.0	363.21	401.64	418.31	401.21	363.72	319.91	299.08
152.5	361.91	397.03	411.33	397.19	363.57	324.61	305.76
155.0	360.36	392.28	404.39	392.11	362.97	328.12	312.24
157.5	358.81	386.44	397.24	386.40	361.93	331.25	318.27
160.0	357.31	380.60	389.51	380.27	360.27	334.61	323.85
162.5	355.75	374.73	381.47	366.97	358.88	337.95	328.29
165.0	353.49	369.33	373.96	327.05	357.41	341.44	332.95
167.5	351.33	363.84	367.52	308.20	355.57	343.92	336.81
170.0	349.55	358.04	361.20	307.23	353.37	345.29	340.71
172.5	348.33	352.52	356.04	307.59	351.19	346.20	343.08
175.0	347.39	344.20	352.75	306.99	350.04	346.65	344.95
177.5	347.25	312.37	350.45	303.52	348.33	347.25	346.40
180.0	334.76	334.76	334.76	334.76	334.76	334.76	334.76

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	475.85	N.A.	15.90
0-30	745.89	N.A.	24.90
0-40	898.54	N.A.	30.00
0-60	983.39	N.A.	32.80
0-80	995.47	N.A.	33.20
0-90	999.60	N.A.	33.30
10-90	839.29	N.A.	28.00
20-40	422.70	N.A.	14.10
20-50	486.56	N.A.	16.20
40-70	91.51	N.A.	3.10
60-80	12.08	N.A.	0.40
70-80	5.41	N.A.	0.20
80-90	4.13	N.A.	0.10
90-110	497.58	N.A.	16.60
90-120	875.60	N.A.	29.20
90-130	1200.06	N.A.	40.00
90-150	1701.24	N.A.	56.70
90-180	2000.19	N.A.	66.70
110-180	1502.61	N.A.	50.10
0-180	2999.79	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	148.95
100-110	348.63
110-120	378.03
120-130	324.46
130-140	275.33
140-150	225.85
150-160	166.59
160-170	99.63
170-180	32.72

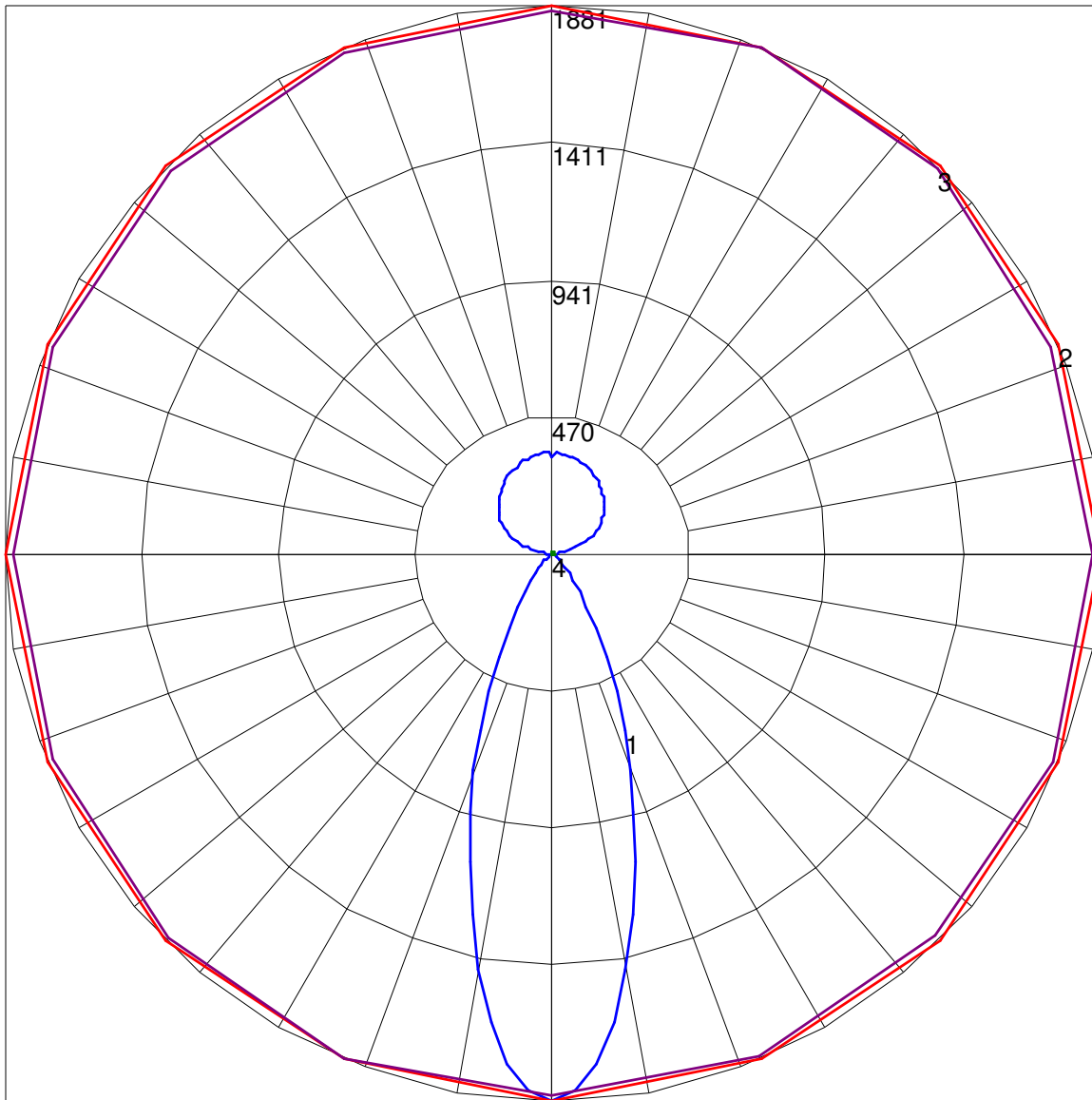
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33
1	96	92	89	86	86	83	81	78	67	65	64	52	51	50	38	38	37	31
2	89	82	77	73	80	75	71	67	61	58	56	48	46	45	36	35	34	29
3	82	74	68	63	74	68	63	59	56	52	49	44	42	40	34	33	32	27
4	76	67	61	56	69	62	56	52	51	47	44	41	39	37	32	31	29	26
5	71	61	55	50	65	56	51	46	47	43	40	38	36	34	30	29	27	24
6	66	56	49	44	60	52	46	42	43	39	36	36	33	31	28	27	26	23
7	62	52	45	40	57	48	42	38	40	36	33	33	31	28	27	25	24	21
8	58	48	41	37	53	44	38	34	38	33	30	31	29	26	26	24	23	20
9	55	44	38	33	50	41	36	32	35	31	28	30	27	25	24	23	21	19
10	52	41	35	31	47	38	33	29	33	29	26	28	25	23	23	21	20	18

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)