



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I7-35-90-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-I7-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D5-I7-35-90-D35-IF150

[_SERIALNUMBER] VFR-210907-2763-MS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2500
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	22.924
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	6.93	33.54	14.11	37.85	70.11	66.06	114.62	42.05	13.31	42.05
95.0	10.02	63.99	79.54	155.91	144.39	161.18	178.76	64.23	25.50	64.23
97.5	18.76	77.55	144.21	231.33	233.63	233.95	225.73	74.23	39.74	74.23
100.0	31.28	86.16	195.40	265.04	314.92	311.24	247.53	81.46	54.09	81.46
102.5	45.03	92.35	230.53	302.60	390.79	389.47	255.97	89.07	68.16	89.07
105.0	59.66	99.83	247.35	346.52	461.36	443.18	256.58	99.01	82.23	99.01
107.5	74.17	110.31	254.55	377.79	511.27	478.08	252.86	111.07	96.22	111.07
110.0	88.28	122.33	253.82	392.59	541.73	489.95	245.99	123.37	109.06	123.37
112.5	101.98	134.81	247.66	396.93	552.82	481.89	241.43	134.63	121.35	134.63
115.0	114.70	146.24	239.70	399.19	546.42	460.24	239.98	145.31	132.49	145.31
117.5	126.38	156.79	233.98	404.96	524.54	432.11	240.98	155.67	142.73	155.67
120.0	137.47	166.34	232.22	385.05	495.63	404.48	243.78	165.38	152.25	165.38
122.5	147.60	175.61	233.86	362.92	464.27	380.04	247.29	174.60	160.67	174.60
125.0	157.08	184.27	238.05	345.92	434.21	360.40	251.36	182.74	168.73	182.74
127.5	165.64	191.94	242.93	334.00	409.04	345.28	255.18	190.03	176.19	190.03
130.0	173.43	199.01	248.34	325.82	388.30	333.90	259.10	196.85	183.37	196.85
132.5	180.84	205.23	253.54	320.23	371.30	325.92	262.66	203.44	190.07	203.44

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CANDELA TABULATION - (Cont.)

135.0	187.94	211.08	258.09	315.99	357.69	320.13	266.08	209.78	196.27	209.78
137.5	194.56	216.77	261.80	313.00	346.74	315.81	269.01	215.40	202.71	215.40
140.0	200.99	222.03	265.15	310.60	337.81	312.50	271.20	220.91	208.61	220.91
142.5	206.86	227.11	268.09	308.10	330.67	309.38	272.40	225.62	214.32	225.62
145.0	212.96	231.83	270.46	305.96	324.60	306.67	273.05	230.28	219.47	230.28
147.5	218.59	236.03	272.01	303.76	319.14	304.13	272.83	234.16	224.84	234.16
150.0	224.31	239.93	272.79	300.91	313.73	301.23	272.41	237.76	229.79	237.76
152.5	229.32	243.46	272.68	297.89	308.50	297.77	271.43	241.00	234.59	241.00
155.0	234.18	246.09	272.23	294.08	303.29	294.21	270.27	243.88	239.03	243.88
157.5	238.70	248.44	271.45	289.80	297.93	289.83	269.11	246.79	242.99	246.79
160.0	242.89	250.96	270.20	285.20	292.13	285.45	267.98	249.66	246.84	249.66
162.5	246.22	253.46	269.16	275.23	286.10	281.05	266.81	252.54	249.94	252.54
165.0	249.71	256.08	268.06	245.29	280.47	277.00	265.12	254.74	253.26	254.74
167.5	252.61	257.94	266.68	231.15	275.64	272.88	263.50	256.59	255.48	256.59
170.0	255.53	258.97	265.03	230.42	270.90	268.53	262.16	258.00	257.54	258.00
172.5	257.31	259.65	263.39	230.69	267.03	264.39	261.25	258.87	258.91	258.87
175.0	258.71	259.99	262.53	230.24	264.56	258.15	260.54	259.63	260.04	259.63
177.5	259.80	260.44	261.25	227.64	262.84	234.28	260.44	260.27	260.33	260.27
180.0	251.07	251.07	251.07	251.07	251.07	251.07	251.07	251.07	251.07	251.07

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	114.62	66.06	70.11	37.85	14.11	33.54	6.93
95.0	178.76	161.18	144.39	155.91	79.54	63.99	10.02
97.5	225.73	233.95	233.63	231.33	144.21	77.55	18.76
100.0	247.53	311.24	314.92	265.04	195.40	86.16	31.28
102.5	255.97	389.47	390.79	302.60	230.53	92.35	45.03
105.0	256.58	443.18	461.36	346.52	247.35	99.83	59.66
107.5	252.86	478.08	511.27	377.79	254.55	110.31	74.17
110.0	245.99	489.95	541.73	392.59	253.82	122.33	88.28
112.5	241.43	481.89	552.82	396.93	247.66	134.81	101.98
115.0	239.98	460.24	546.42	399.19	239.70	146.24	114.70
117.5	240.98	432.11	524.54	404.96	233.98	156.79	126.38
120.0	243.78	404.48	495.63	385.05	232.22	166.34	137.47
122.5	247.29	380.04	464.27	362.92	233.86	175.61	147.60
125.0	251.36	360.40	434.21	345.92	238.05	184.27	157.08
127.5	255.18	345.28	409.04	334.00	242.93	191.94	165.64
130.0	259.10	333.90	388.30	325.82	248.34	199.01	173.43
132.5	262.66	325.92	371.30	320.23	253.54	205.23	180.84
135.0	266.08	320.13	357.69	315.99	258.09	211.08	187.94
137.5	269.01	315.81	346.74	313.00	261.80	216.77	194.56
140.0	271.20	312.50	337.81	310.60	265.15	222.03	200.99
142.5	272.40	309.38	330.67	308.10	268.09	227.11	206.86
145.0	273.05	306.67	324.60	305.96	270.46	231.83	212.96
147.5	272.83	304.13	319.14	303.76	272.01	236.03	218.59
150.0	272.41	301.23	313.73	300.91	272.79	239.93	224.31
152.5	271.43	297.77	308.50	297.89	272.68	243.46	229.32
155.0	270.27	294.21	303.29	294.08	272.23	246.09	234.18
157.5	269.11	289.83	297.93	289.80	271.45	248.44	238.70
160.0	267.98	285.45	292.13	285.20	270.20	250.96	242.89
162.5	266.81	281.05	286.10	275.23	269.16	253.46	246.22
165.0	265.12	277.00	280.47	245.29	268.06	256.08	249.71
167.5	263.50	272.88	275.64	231.15	266.68	257.94	252.61
170.0	262.16	268.53	270.90	230.42	265.03	258.97	255.53
172.5	261.25	264.39	267.03	230.69	263.39	259.65	257.31
175.0	260.54	258.15	264.56	230.24	262.53	259.99	258.71
177.5	260.44	234.28	262.84	227.64	261.25	260.44	259.80
180.0	251.07	251.07	251.07	251.07	251.07	251.07	251.07

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	475.85	N.A.	19.00
0-30	745.89	N.A.	29.80
0-40	898.54	N.A.	35.90
0-60	983.39	N.A.	39.30
0-80	995.47	N.A.	39.80
0-90	999.60	N.A.	40.00
10-90	839.29	N.A.	33.60
20-40	422.70	N.A.	16.90
20-50	486.56	N.A.	19.50
40-70	91.51	N.A.	3.70
60-80	12.08	N.A.	0.50
70-80	5.41	N.A.	0.20
80-90	4.13	N.A.	0.20
90-110	373.27	N.A.	14.90
90-120	656.79	N.A.	26.30
90-130	900.14	N.A.	36.00
90-150	1276.02	N.A.	51.00
90-180	1500.23	N.A.	60.00
110-180	1126.96	N.A.	45.10
0-180	2499.83	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	111.80
100-110	261.47
110-120	283.52
120-130	243.35
130-140	206.49
140-150	169.39
150-160	124.94
160-170	74.73
170-180	24.54

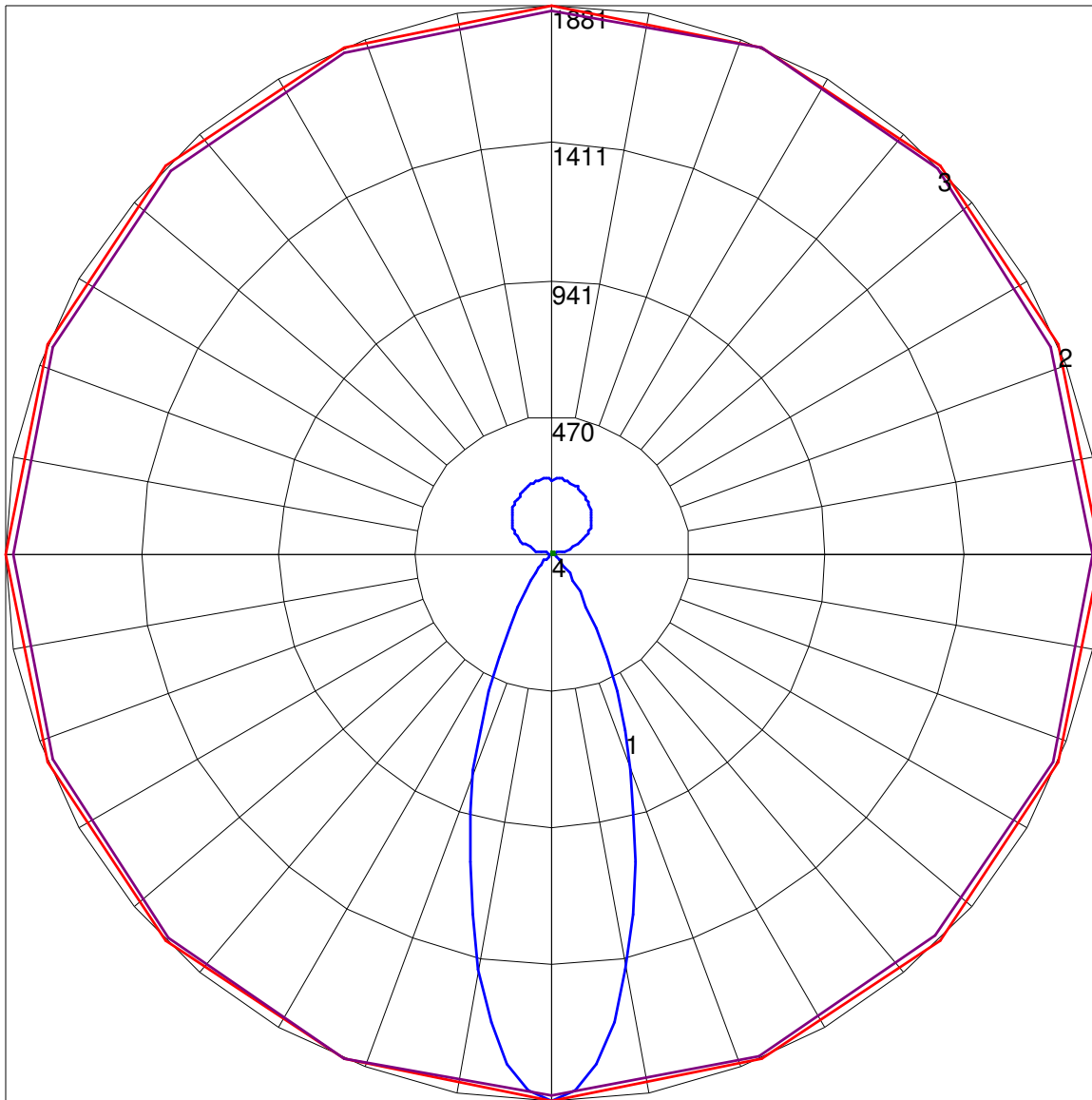
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	97	94	91	88	89	86	83	81	71	69	68	57	56	55	44	44	43	37
2	90	85	80	75	83	78	73	70	65	62	59	53	51	49	42	41	40	35
3	84	77	71	66	77	71	66	62	59	56	53	49	47	45	39	38	37	33
4	78	70	63	58	72	64	59	55	55	51	48	46	43	41	37	36	34	31
5	73	64	57	52	67	59	53	49	51	46	43	43	40	38	35	33	32	29
6	69	59	52	47	63	55	49	45	47	43	40	40	37	35	33	31	30	27
7	64	54	47	43	59	51	45	41	44	39	36	37	34	32	31	30	28	26
8	61	50	44	39	56	47	41	37	41	37	34	35	32	30	30	28	26	24
9	57	47	40	36	53	44	38	34	38	34	31	33	30	28	28	26	25	23
10	54	44	38	33	50	41	36	32	36	32	29	32	29	26	27	25	24	22

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)