



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D3-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-D3-I7-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D3-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	2200
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	19.134
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	4557	8019	7896
55	1422	2814	2568
65	972	1023	937
75	1336	1318	1367
85	3116	3169	3326

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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	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42
2.5	1292.05	1294.87	1304.25	1312.51	1305.26	1305.68	1301.15	1294.13	1292.05	1294.87
5.0	1231.25	1234.94	1245.33	1257.16	1250.35	1249.86	1242.57	1234.36	1231.25	1234.94
7.5	1136.96	1143.39	1156.36	1170.28	1166.23	1164.26	1152.87	1142.46	1136.96	1143.39
10.0	1020.66	1029.68	1045.05	1062.72	1061.15	1056.97	1041.46	1028.59	1020.66	1029.68
12.5	894.10	905.06	922.33	943.38	944.00	938.00	918.49	903.32	894.10	905.06
15.0	768.36	780.49	799.74	822.47	825.25	817.78	795.19	779.31	768.36	780.49
17.5	654.40	666.40	685.23	704.85	713.50	701.83	681.24	664.50	654.40	666.40
20.0	551.46	564.79	583.80	601.20	613.03	597.98	580.15	562.95	551.46	564.79
22.5	456.10	473.08	494.14	513.23	524.01	509.34	492.03	471.73	456.10	473.08
25.0	365.93	388.67	413.13	435.84	445.60	432.52	415.07	387.47	365.93	388.67
27.5	281.98	309.66	342.91	367.32	374.70	365.39	346.35	309.16	281.98	309.66
30.0	210.16	238.82	282.10	306.27	307.00	304.92	285.04	238.72	210.16	238.82
32.5	153.55	179.60	228.42	249.91	243.17	248.56	231.13	179.38	153.55	179.60
35.0	112.28	133.22	182.20	198.46	187.52	197.36	184.64	133.38	112.28	133.22
37.5	82.93	98.97	143.40	154.19	142.61	153.41	145.23	99.11	82.93	98.97
40.0	61.84	73.76	110.83	117.96	107.63	117.69	112.09	74.31	61.84	73.76
42.5	46.70	54.99	83.88	89.73	81.06	89.70	84.58	56.30	46.70	54.99
45.0	35.24	41.42	62.01	67.92	61.06	67.88	62.39	42.92	35.24	41.42
47.5	26.24	31.44	45.44	50.84	45.69	50.96	45.50	32.68	26.24	31.44
50.0	19.22	23.68	33.21	37.90	33.66	37.86	33.21	24.60	19.22	23.68
52.5	13.34	17.28	24.33	27.68	23.97	27.61	24.22	17.85	13.34	17.28
55.0	8.92	11.94	17.65	19.72	16.11	19.49	17.53	12.25	8.92	11.94
57.5	6.16	7.96	12.52	13.29	9.98	12.95	12.33	8.14	6.16	7.96
60.0	5.02	5.58	8.66	8.30	6.25	8.15	8.41	5.70	5.02	5.58
62.5	4.54	4.65	6.02	5.49	4.74	5.48	5.87	4.68	4.54	4.65
65.0	4.49	4.43	4.73	4.64	4.33	4.55	4.73	4.40	4.49	4.43
67.5	4.32	4.36	4.35	4.27	4.25	4.18	4.41	4.35	4.32	4.36
70.0	4.22	4.20	4.23	4.08	4.20	3.99	4.17	4.32	4.22	4.20
72.5	3.94	3.99	3.98	3.96	4.12	3.91	3.91	4.03	3.94	3.99
75.0	3.78	3.79	3.73	3.72	3.87	3.78	3.84	3.82	3.78	3.79
77.5	3.59	3.52	3.55	3.67	3.63	3.64	3.66	3.66	3.59	3.52
80.0	3.42	3.29	3.36	3.41	3.46	3.40	3.41	3.43	3.42	3.29
82.5	3.18	3.06	3.20	3.29	3.25	3.21	3.17	3.13	3.18	3.06
85.0	2.97	2.98	3.02	2.99	3.17	3.04	3.11	2.91	2.97	2.98
87.5	2.84	2.68	2.89	2.79	2.62	2.76	2.62	2.77	2.84	2.68
90.0	2.38	0.33	2.33	0.31	2.55	2.37	2.55	2.20	2.38	0.33
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	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42	1318.42
2.5	1304.25	1312.51	1305.26	1305.68	1301.15	1294.13	1292.05
5.0	1245.33	1257.16	1250.35	1249.86	1242.57	1234.36	1231.25
7.5	1156.36	1170.28	1166.23	1164.26	1152.87	1142.46	1136.96
10.0	1045.05	1062.72	1061.15	1056.97	1041.46	1028.59	1020.66
12.5	922.33	943.38	944.00	938.00	918.49	903.32	894.10
15.0	799.74	822.47	825.25	817.78	795.19	779.31	768.36
17.5	685.23	704.85	713.50	701.83	681.24	664.50	654.40
20.0	583.80	601.20	613.03	597.98	580.15	562.95	551.46
22.5	494.14	513.23	524.01	509.34	492.03	471.73	456.10
25.0	413.13	435.84	445.60	432.52	415.07	387.47	365.93
27.5	342.91	367.32	374.70	365.39	346.35	309.16	281.98
30.0	282.10	306.27	307.00	304.92	285.04	238.72	210.16
32.5	228.42	249.91	243.17	248.56	231.13	179.38	153.55
35.0	182.20	198.46	187.52	197.36	184.64	133.38	112.28
37.5	143.40	154.19	142.61	153.41	145.23	99.11	82.93
40.0	110.83	117.96	107.63	117.69	112.09	74.31	61.84
42.5	83.88	89.73	81.06	89.70	84.58	56.30	46.70
45.0	62.01	67.92	61.06	67.88	62.39	42.92	35.24
47.5	45.44	50.84	45.69	50.96	45.50	32.68	26.24
50.0	33.21	37.90	33.66	37.86	33.21	24.60	19.22
52.5	24.33	27.68	23.97	27.61	24.22	17.85	13.34
55.0	17.65	19.72	16.11	19.49	17.53	12.25	8.92
57.5	12.52	13.29	9.98	12.95	12.33	8.14	6.16
60.0	8.66	8.30	6.25	8.15	8.41	5.70	5.02
62.5	6.02	5.49	4.74	5.48	5.87	4.68	4.54
65.0	4.73	4.64	4.33	4.55	4.73	4.40	4.49
67.5	4.35	4.27	4.25	4.18	4.41	4.35	4.32
70.0	4.23	4.08	4.20	3.99	4.17	4.32	4.22
72.5	3.98	3.96	4.12	3.91	3.91	4.03	3.94
75.0	3.73	3.72	3.87	3.78	3.84	3.82	3.78
77.5	3.55	3.67	3.63	3.64	3.66	3.66	3.59
80.0	3.36	3.41	3.46	3.40	3.41	3.43	3.42

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CANDELA TABULATION - (Cont.)

82.5	3.20	3.29	3.25	3.21	3.17	3.13	3.18
85.0	3.02	2.99	3.17	3.04	3.11	2.91	2.97
87.5	2.89	2.79	2.62	2.76	2.62	2.77	2.84
90.0	2.33	0.31	2.55	2.37	2.55	2.20	2.38
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	333.43	N.A.	15.20
0-30	522.03	N.A.	23.70
0-40	628.60	N.A.	28.60
0-60	687.81	N.A.	31.30
0-80	696.68	N.A.	31.70
0-90	699.84	N.A.	31.80
10-90	587.60	N.A.	26.70
20-40	295.18	N.A.	13.40
20-50	339.65	N.A.	15.40
40-70	64.07	N.A.	2.90
60-80	8.86	N.A.	0.40
70-80	4.01	N.A.	0.20
80-90	3.16	N.A.	0.10
90-110	373.18	N.A.	17.00
90-120	656.70	N.A.	29.90
90-130	900.04	N.A.	40.90
90-150	1275.93	N.A.	58.00
90-180	1500.14	N.A.	68.20
110-180	1126.96	N.A.	51.20
0-180	2199.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	112.23
10-20	221.19
20-30	188.61
30-40	106.57
40-50	44.47
50-60	14.74
60-70	4.85
70-80	4.01
80-90	3.16
90-100	111.71
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

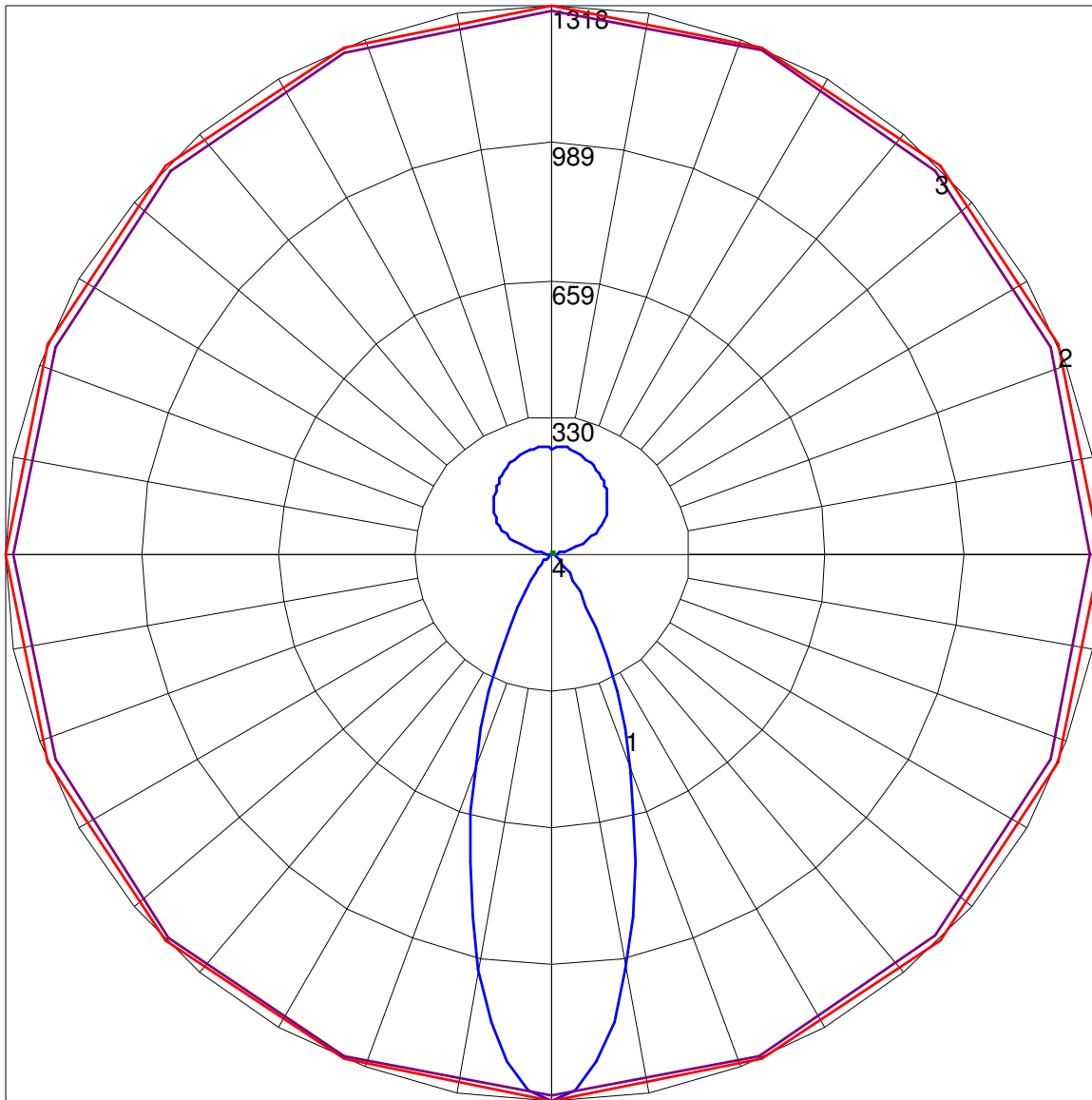
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	92	92	92	92	73	73	73	56	56	56	39	39	39	32
1	95	92	88	85	86	83	80	78	66	64	63	51	50	49	37	37	36	30
2	88	82	77	73	79	74	70	67	60	57	55	47	45	44	35	34	33	28
3	82	74	68	63	74	67	62	58	55	51	49	43	41	39	33	32	31	26
4	76	67	60	55	69	61	55	51	50	46	43	40	38	36	31	29	28	24
5	71	61	54	49	64	56	50	46	46	42	39	37	35	33	29	28	26	23
6	66	56	49	44	60	51	45	41	43	38	35	35	32	30	27	26	25	22
7	61	51	44	40	56	47	41	37	40	35	32	33	30	28	26	24	23	20
8	58	47	40	36	53	44	38	34	37	33	30	31	28	26	25	23	22	19
9	54	44	37	33	49	41	35	31	34	30	27	29	26	24	23	22	20	18
10	51	41	34	30	47	38	32	29	32	28	26	27	24	22	22	21	19	17

POLAR GRAPH



Maximum Candela = 1318.42 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)