



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D3-I3-35-90-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-I3-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D3-I3-35-90-D35-IF150

[_SERIALNUMBER] VFR-210907-2763-MS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	13.16
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	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	3.23	15.65	6.58	17.66	32.72	30.83	53.49	19.62	6.21	19.62
95.0	4.68	29.86	37.12	72.76	67.38	75.22	83.42	29.97	11.90	29.97
97.5	8.75	36.19	67.30	107.95	109.03	109.18	105.34	34.64	18.55	34.64
100.0	14.60	40.21	91.19	123.69	146.96	145.25	115.51	38.01	25.24	38.01
102.5	21.01	43.10	107.58	141.21	182.37	181.75	119.45	41.57	31.81	41.57
105.0	27.84	46.59	115.43	161.71	215.30	206.82	119.74	46.20	38.37	46.20
107.5	34.61	51.48	118.79	176.30	238.59	223.10	118.00	51.83	44.90	51.83
110.0	41.20	57.09	118.45	183.21	252.81	228.64	114.80	57.57	50.89	57.57
112.5	47.59	62.91	115.57	185.23	257.98	224.88	112.67	62.83	56.63	62.83
115.0	53.53	68.25	111.86	186.29	255.00	214.78	111.99	67.81	61.83	67.81
117.5	58.98	73.17	109.19	188.98	244.79	201.65	112.46	72.65	66.61	72.65
120.0	64.15	77.63	108.37	179.69	231.29	188.76	113.76	77.18	71.05	77.18
122.5	68.88	81.95	109.13	169.36	216.66	177.35	115.40	81.48	74.98	81.48
125.0	73.30	85.99	111.09	161.43	202.63	168.19	117.30	85.28	78.74	85.28
127.5	77.30	89.57	113.37	155.87	190.89	161.13	119.08	88.68	82.22	88.68
130.0	80.93	92.87	115.89	152.05	181.21	155.82	120.91	91.86	85.57	91.86
132.5	84.39	95.77	118.32	149.44	173.27	152.10	122.57	94.94	88.70	94.94

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CANDELA TABULATION - (Cont.)

135.0	87.71	98.50	120.44	147.46	166.92	149.39	124.17	97.90	91.59	97.90
137.5	90.79	101.16	122.17	146.07	161.81	147.38	125.54	100.52	94.60	100.52
140.0	93.80	103.61	123.74	144.95	157.64	145.83	126.56	103.09	97.35	103.09
142.5	96.53	105.98	125.11	143.78	154.31	144.38	127.12	105.29	100.02	105.29
145.0	99.38	108.19	126.21	142.78	151.48	143.11	127.42	107.46	102.42	107.46
147.5	102.01	110.15	126.94	141.75	148.93	141.93	127.32	109.27	104.93	109.27
150.0	104.68	111.97	127.30	140.42	146.41	140.57	127.12	110.95	107.24	110.95
152.5	107.02	113.61	127.25	139.02	143.97	138.96	126.67	112.47	109.48	112.47
155.0	109.28	114.84	127.04	137.24	141.54	137.30	126.13	113.81	111.55	113.81
157.5	111.39	115.94	126.68	135.24	139.03	135.25	125.58	115.17	113.40	115.17
160.0	113.35	117.11	126.09	133.09	136.33	133.21	125.06	116.51	115.19	116.51
162.5	114.90	118.28	125.61	128.44	133.51	131.16	124.51	117.85	116.64	117.85
165.0	116.53	119.50	125.09	114.47	130.89	129.27	123.72	118.88	118.19	118.88
167.5	117.88	120.37	124.45	107.87	128.63	127.34	122.97	119.74	119.22	119.74
170.0	119.25	120.85	123.68	107.53	126.42	125.31	122.34	120.40	120.19	120.40
172.5	120.08	121.17	122.92	107.66	124.61	123.38	121.92	120.81	120.82	120.81
175.0	120.73	121.33	122.51	107.45	123.46	120.47	121.59	121.16	121.35	121.16
177.5	121.24	121.54	121.92	106.23	122.66	109.33	121.54	121.46	121.49	121.46
180.0	117.17	117.17	117.17	117.17	117.17	117.17	117.17	117.17	117.17	117.17

Vert. 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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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	53.49	30.83	32.72	17.66	6.58	15.65	3.23
95.0	83.42	75.22	67.38	72.76	37.12	29.86	4.68
97.5	105.34	109.18	109.03	107.95	67.30	36.19	8.75
100.0	115.51	145.25	146.96	123.69	91.19	40.21	14.60
102.5	119.45	181.75	182.37	141.21	107.58	43.10	21.01
105.0	119.74	206.82	215.30	161.71	115.43	46.59	27.84
107.5	118.00	223.10	238.59	176.30	118.79	51.48	34.61
110.0	114.80	228.64	252.81	183.21	118.45	57.09	41.20
112.5	112.67	224.88	257.98	185.23	115.57	62.91	47.59
115.0	111.99	214.78	255.00	186.29	111.86	68.25	53.53
117.5	112.46	201.65	244.79	188.98	109.19	73.17	58.98
120.0	113.76	188.76	231.29	179.69	108.37	77.63	64.15
122.5	115.40	177.35	216.66	169.36	109.13	81.95	68.88
125.0	117.30	168.19	202.63	161.43	111.09	85.99	73.30
127.5	119.08	161.13	190.89	155.87	113.37	89.57	77.30
130.0	120.91	155.82	181.21	152.05	115.89	92.87	80.93
132.5	122.57	152.10	173.27	149.44	118.32	95.77	84.39
135.0	124.17	149.39	166.92	147.46	120.44	98.50	87.71
137.5	125.54	147.38	161.81	146.07	122.17	101.16	90.79
140.0	126.56	145.83	157.64	144.95	123.74	103.61	93.80
142.5	127.12	144.38	154.31	143.78	125.11	105.98	96.53
145.0	127.42	143.11	151.48	142.78	126.21	108.19	99.38
147.5	127.32	141.93	148.93	141.75	126.94	110.15	102.01
150.0	127.12	140.57	146.41	140.42	127.30	111.97	104.68
152.5	126.67	138.96	143.97	139.02	127.25	113.61	107.02
155.0	126.13	137.30	141.54	137.24	127.04	114.84	109.28
157.5	125.58	135.25	139.03	135.24	126.68	115.94	111.39
160.0	125.06	133.21	136.33	133.09	126.09	117.11	113.35
162.5	124.51	131.16	133.51	128.44	125.61	118.28	114.90
165.0	123.72	129.27	130.89	114.47	125.09	119.50	116.53
167.5	122.97	127.34	128.63	107.87	124.45	120.37	117.88
170.0	122.34	125.31	126.42	107.53	123.68	120.85	119.25
172.5	121.92	123.38	124.61	107.66	122.92	121.17	120.08
175.0	121.59	120.47	123.46	107.45	122.51	121.33	120.73
177.5	121.54	109.33	122.66	106.23	121.92	121.54	121.24
180.0	117.17	117.17	117.17	117.17	117.17	117.17	117.17

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	333.43	N.A.	23.80
0-30	522.03	N.A.	37.30
0-40	628.60	N.A.	44.90
0-60	687.81	N.A.	49.10
0-80	696.68	N.A.	49.80
0-90	699.84	N.A.	50.00
10-90	587.60	N.A.	42.00
20-40	295.18	N.A.	21.10
20-50	339.65	N.A.	24.30
40-70	64.07	N.A.	4.60
60-80	8.86	N.A.	0.60
70-80	4.01	N.A.	0.30
80-90	3.16	N.A.	0.20
90-110	174.29	N.A.	12.40
90-120	306.60	N.A.	21.90
90-130	420.16	N.A.	30.00
90-150	595.57	N.A.	42.50
90-180	700.20	N.A.	50.00
110-180	525.91	N.A.	37.60
0-180	1400.04	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	52.27
100-110	122.02
110-120	132.31
120-130	113.56
130-140	96.36
140-150	79.05
150-160	58.31
160-170	34.87
170-180	11.45

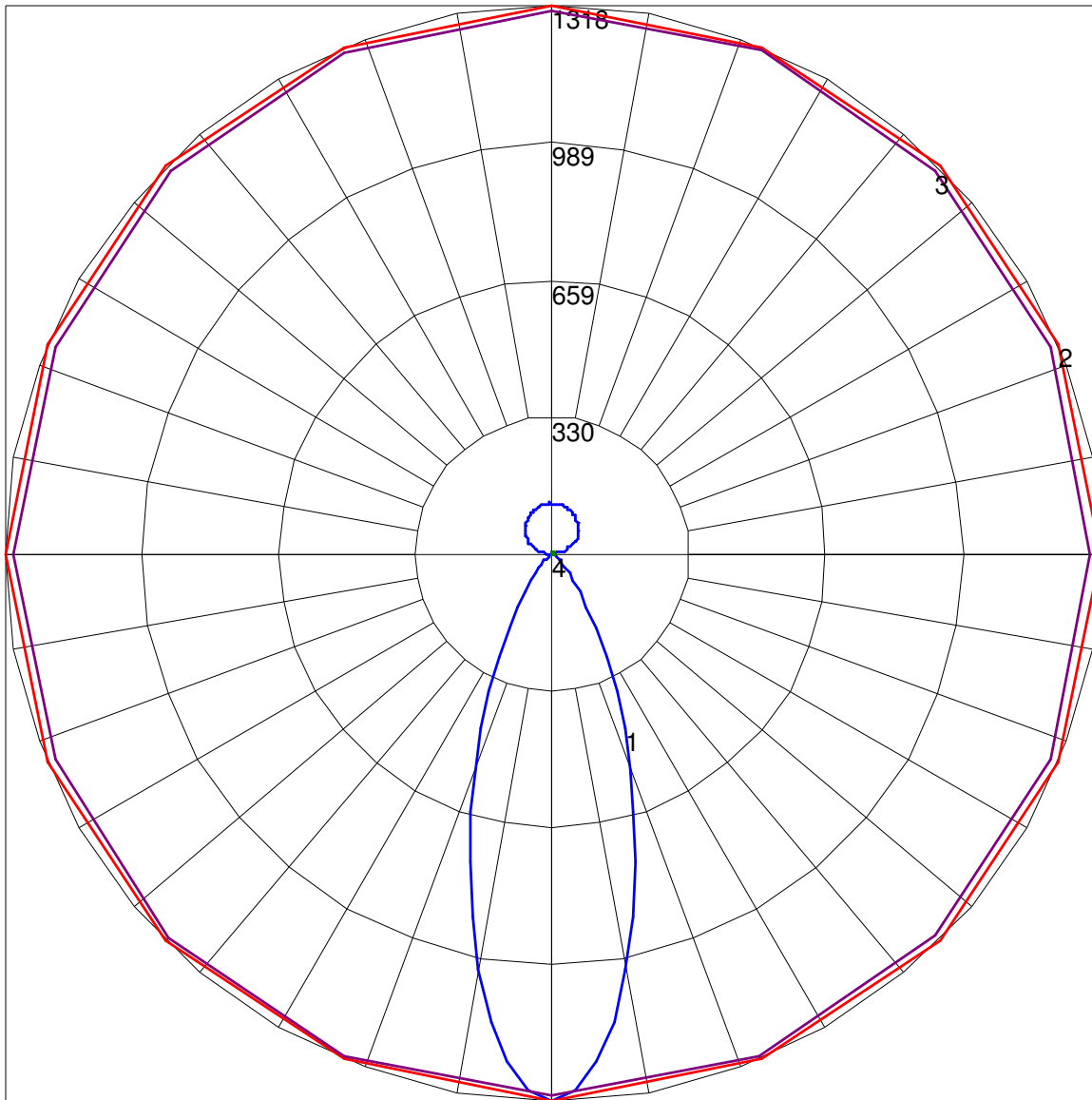
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	53	56	52	48	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	44	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 = 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)