



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D3-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-D3-I5-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D3-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	1700
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	15.4
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	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	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	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	333.43	N.A.	19.60
0-30	522.03	N.A.	30.70
0-40	628.60	N.A.	37.00
0-60	687.81	N.A.	40.50
0-80	696.68	N.A.	41.00
0-90	699.84	N.A.	41.20
10-90	587.60	N.A.	34.60
20-40	295.18	N.A.	17.40
20-50	339.65	N.A.	20.00
40-70	64.07	N.A.	3.80
60-80	8.86	N.A.	0.50
70-80	4.01	N.A.	0.20
80-90	3.16	N.A.	0.20
90-110	248.87	N.A.	14.60
90-120	437.88	N.A.	25.80
90-130	600.11	N.A.	35.30
90-150	850.70	N.A.	50.00
90-180	1000.18	N.A.	58.80
110-180	751.30	N.A.	44.20
0-180	1700.01	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	74.56
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

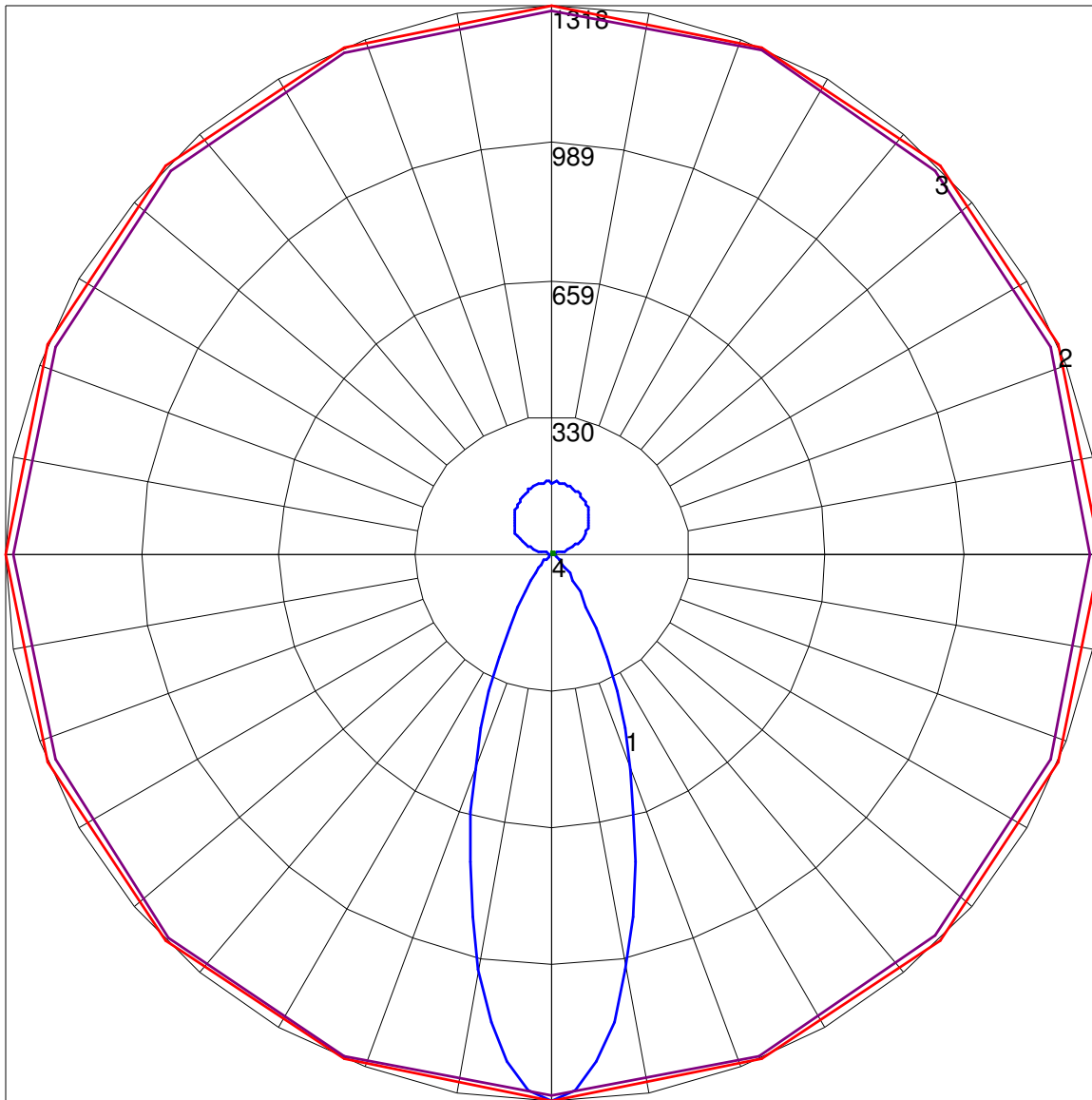
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	98	94	91	88	89	86	84	81	71	70	68	58	57	56	45	45	44	38
2	91	85	80	76	83	78	74	70	65	63	60	54	52	50	43	42	41	36
3	85	77	71	66	77	71	66	62	60	57	54	50	47	46	40	39	38	34
4	79	70	64	59	72	65	59	55	55	51	48	46	44	42	38	36	35	31
5	74	64	57	53	68	60	54	50	51	47	44	43	40	38	36	34	33	30
6	69	59	52	47	64	55	49	45	48	43	40	41	38	35	34	32	31	28
7	65	55	48	43	60	51	45	41	44	40	37	38	35	33	32	30	29	26
8	61	51	44	40	56	47	42	38	42	37	34	36	33	31	31	29	27	25
9	57	47	41	37	53	44	39	35	39	35	32	34	31	29	29	27	26	24
10	54	44	38	34	50	42	36	32	37	33	30	32	29	27	28	26	24	23

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)