



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D3-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-D3-I10-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D3-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	2700
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	22.87
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	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	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	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	333.43	N.A.	12.30
0-30	522.03	N.A.	19.30
0-40	628.60	N.A.	23.30
0-60	687.81	N.A.	25.50
0-80	696.68	N.A.	25.80
0-90	699.84	N.A.	25.90
10-90	587.60	N.A.	21.80
20-40	295.18	N.A.	10.90
20-50	339.65	N.A.	12.60
40-70	64.07	N.A.	2.40
60-80	8.86	N.A.	0.30
70-80	4.01	N.A.	0.10
80-90	3.16	N.A.	0.10
90-110	497.49	N.A.	18.40
90-120	875.51	N.A.	32.40
90-130	1199.97	N.A.	44.40
90-150	1701.15	N.A.	63.00
90-180	2000.1	N.A.	74.10
110-180	1502.61	N.A.	55.70
0-180	2699.94	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	148.86
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

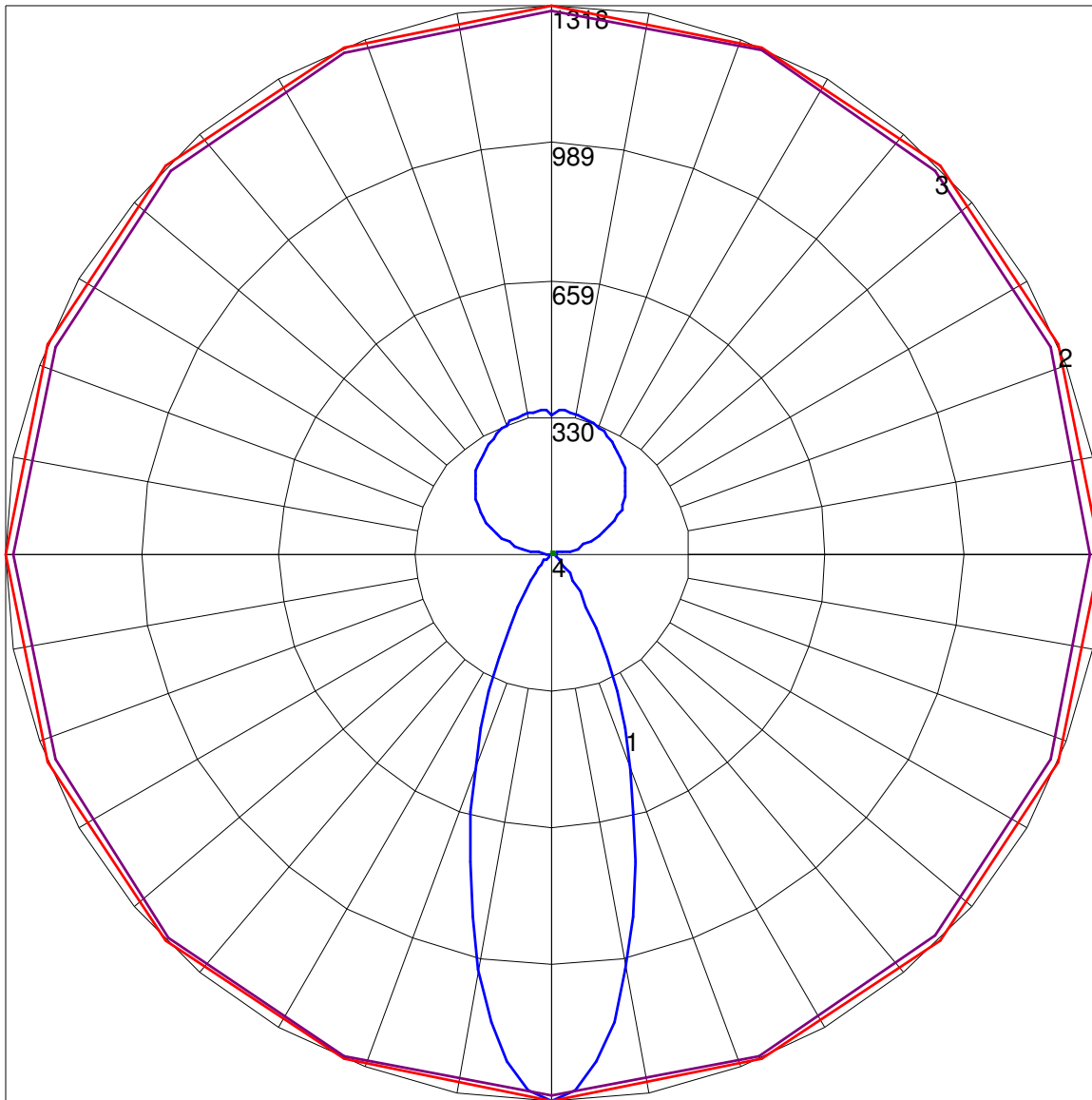
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	94	90	87	84	83	80	78	75	63	61	60	47	46	45	32	31	31	24
2	86	80	75	71	77	72	68	64	57	54	52	43	41	40	30	29	28	23
3	80	72	66	61	71	65	60	55	52	48	45	39	37	35	28	27	26	21
4	74	65	58	53	66	59	53	49	47	43	40	36	34	32	26	25	24	20
5	69	59	52	47	61	53	47	43	43	39	36	34	31	29	25	23	22	19
6	64	53	46	41	57	49	43	38	40	35	32	31	29	26	23	22	21	18
7	59	49	42	37	54	45	39	35	37	32	29	29	26	24	22	20	19	17
8	56	45	38	34	50	41	35	31	34	30	27	27	24	22	21	19	18	16
9	52	41	35	31	47	38	32	29	32	28	25	25	23	21	20	18	17	15
10	49	39	32	28	44	35	30	26	30	26	23	24	21	19	19	17	16	14

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)