

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SRKA-X8-L104-840-X-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #12118431.06

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 12 MAY 2023

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] SRKA-8-L104-840-x-DIM-UNV

[LUMINAIRE] White formed steel housing, clear plastic optic. Tested in

[MORE] Columbia CS Bi-Pin 2L reference housing.

[LAMP] 56 white LEDs

[BALLAST] One Philips CI024C045V052CNN1 driver

[OTHER] 25 C, 120.001 V, 0.17671 A, 21.1017 W, 0.995112 PF, 59.9981 Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9529
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	67.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.74
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.04 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	33675	2891	2007
55	26463	1737	1362
65	16865	1331	1254
75	9472	1717	1894
85	3927	3120	3376

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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>
0.0	8708.882	8708.882	8708.882	8708.882	8708.882
0.5	9038.353	8756.435	8623.967	8613.778	8623.967
1.0	9038.353	8753.038	8617.174	8603.588	8610.381
1.5	9034.956	8749.642	8610.381	8596.795	8593.398
2.0	9034.956	8746.245	8593.398	8562.829	8562.829
2.5	9031.559	8739.452	8576.415	8539.052	8532.259
3.0	9031.559	8729.262	8556.035	8501.690	8488.103
3.5	9028.163	8725.865	8528.863	8457.534	8440.551
4.0	9034.956	8712.279	8501.690	8413.378	8389.602
4.5	9028.163	8705.486	8464.327	8362.429	8325.067
5.0	9024.766	8691.899	8433.758	8297.894	8253.738
5.5	9028.163	8674.916	8389.602	8233.358	8175.616
6.0	9028.163	8657.933	8348.843	8158.633	8087.305
6.5	9017.973	8644.347	8297.894	8077.115	7992.200
7.0	9028.163	8623.967	8246.945	7988.803	7886.905
7.5	9017.973	8603.588	8185.806	7893.698	7768.024
8.0	9017.973	8579.812	8128.064	7785.007	7645.747
8.5	9017.973	8556.035	8063.528	7676.316	7513.279
9.0	9017.973	8539.052	7985.407	7557.435	7387.605
9.5	9014.576	8505.086	7910.681	7435.157	7241.551
10.0	9014.576	8481.310	7832.560	7306.087	7102.291
10.5	9011.180	8450.741	7747.645	7173.619	6949.444
11.0	9011.180	8416.775	7655.936	7034.359	6806.786
11.5	9004.387	8382.809	7564.228	6891.701	6647.146
12.0	8997.593	8348.843	7458.934	6752.441	6487.506
12.5	9000.990	8308.084	7353.639	6602.990	6327.866
13.0	8997.593	8270.721	7238.155	6450.143	6171.622
13.5	8997.593	8229.962	7129.463	6293.900	6001.792
14.0	8997.593	8185.806	7010.582	6134.260	5835.359
14.5	8987.404	8141.650	6881.512	5981.413	5665.529
15.0	8987.404	8090.701	6752.441	5818.376	5502.492
15.5	8990.800	8043.149	6630.163	5662.132	5325.869
16.0	8984.007	7995.596	6494.299	5499.095	5152.642
16.5	8987.404	7937.854	6361.832	5336.059	4976.019
17.0	8984.007	7876.715	6232.761	5166.229	4795.999
17.5	8984.007	7815.577	6090.104	5003.192	4619.376
18.0	8977.214	7757.834	5954.240	4826.569	4435.960
18.5	8967.024	7686.506	5811.583	4656.739	4252.543
19.0	8967.024	7618.574	5668.925	4480.115	4069.127
19.5	8956.834	7543.849	5522.872	4303.492	3889.107
20.0	8950.041	7469.123	5373.421	4126.869	3712.484
20.5	8946.644	7384.208	5227.367	3950.246	3532.464
21.0	8936.455	7306.087	5071.124	3773.623	3363.313
21.5	8929.661	7221.172	4911.484	3600.396	3202.314
22.0	8919.472	7139.653	4755.240	3430.566	3056.600
22.5	8909.282	7047.945	4592.203	3263.793	2878.279
23.0	8902.489	6956.237	4432.563	3101.435	2714.563
23.5	8895.695	6864.529	4272.923	2943.833	2566.811
24.0	8882.109	6766.027	4113.283	2791.326	2422.115
24.5	8868.523	6667.526	3953.642	2641.875	2286.591
25.0	8858.333	6562.231	3797.399	2500.577	2156.501
25.5	8844.746	6460.333	3641.155	2361.316	2028.450
26.0	8827.763	6348.245	3484.912	2231.227	1913.305
26.5	8810.780	6242.951	3336.480	2104.533	1801.896

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CANDELA TABULATION - (Cont.)

27.0	8797.194	6127.466	3184.652	1983.614	1693.205
27.5	8783.608	6005.189	3041.316	1871.187	1595.383
28.0	8763.228	5893.101	2898.658	1763.175	1501.637
28.5	8739.452	5770.823	2757.360	1661.277	1409.929
29.0	8722.469	5641.753	2621.836	1564.474	1327.052
29.5	8698.693	5516.078	2486.991	1474.464	1245.533
30.0	8674.916	5390.404	2358.599	1388.190	1173.865
30.5	8637.554	5261.333	2233.265	1309.389	1106.612
31.0	8617.174	5128.866	2106.232	1235.343	1044.794
31.5	8586.605	4993.002	1982.935	1164.694	989.430
32.0	8556.035	4860.535	1886.811	1102.197	937.801
32.5	8522.069	4728.067	1784.913	1044.455	891.608
33.0	8477.914	4592.203	1685.733	987.052	849.490
33.5	8440.551	4456.339	1592.326	937.801	811.448
34.0	8392.999	4317.079	1502.316	892.626	777.142
34.5	8355.636	4174.421	1419.439	852.207	745.554
35.0	8304.687	4041.954	1340.978	815.184	718.381
35.5	8250.341	3906.090	1266.592	781.218	692.227
36.0	8195.996	3763.433	1200.019	750.988	669.130
36.5	8134.857	3627.569	1136.163	723.815	647.732
37.0	8077.115	3488.308	1079.100	698.341	628.711
37.5	8005.786	3350.746	1026.792	675.584	610.369
38.0	7941.251	3214.882	978.221	654.864	594.405
38.5	7869.922	3082.754	935.084	635.504	578.441
39.0	7795.197	2950.966	896.363	618.181	564.855
39.5	7720.472	2822.914	860.019	601.538	551.268
40.0	7635.557	2698.259	828.431	586.932	538.701
40.5	7547.245	2578.359	798.880	572.667	527.492
41.0	7458.934	2461.516	774.085	559.760	515.944
41.5	7370.622	2349.768	750.309	545.834	505.754
42.0	7278.914	2244.813	729.250	534.625	495.564
42.5	7180.412	2142.236	708.870	524.435	485.374
43.0	7085.308	2045.093	688.830	514.245	476.543
43.5	6983.410	1951.007	668.451	503.716	466.693
44.0	6881.512	1863.035	650.449	494.205	458.201
44.5	6779.614	1778.120	633.466	484.695	449.370
45.0	6677.716	1697.621	617.502	474.845	440.199
45.5	6572.421	1619.839	603.236	465.334	432.048
46.0	6456.937	1546.472	589.650	456.503	423.896
46.5	6348.245	1475.823	576.403	447.332	416.084
47.0	6236.158	1409.589	563.496	438.841	407.592
47.5	6120.673	1346.412	551.268	429.670	399.101
48.0	6008.585	1286.292	538.701	421.178	391.628
48.5	5889.704	1231.607	526.133	412.008	382.457
49.0	5767.427	1180.658	513.906	403.176	373.966
49.5	5645.149	1134.125	501.678	393.666	364.795
50.0	5526.268	1090.648	488.431	383.476	355.284
50.5	5407.387	1051.248	474.845	372.607	346.114
51.0	5285.110	1015.583	460.579	361.398	337.282
51.5	5162.832	982.297	445.634	349.510	327.432
52.0	5033.761	952.407	429.330	337.622	318.261
52.5	4908.087	924.894	412.687	324.375	308.751
53.0	4779.016	900.778	392.647	311.129	298.561
53.5	4653.342	877.002	371.588	296.863	286.333
54.0	4520.875	855.264	350.529	282.937	274.106
54.5	4398.597	835.903	329.131	271.388	262.557

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55.0	4266.130	817.222	310.789	261.878	252.707
55.5	4133.662	797.522	295.165	254.066	245.235
56.0	4007.988	777.821	281.918	246.933	239.121
56.5	3878.917	757.781	269.011	240.140	232.667
57.0	3749.846	736.723	256.104	233.346	228.252
57.5	3630.965	712.946	244.555	227.233	223.157
58.0	3508.688	686.453	234.026	220.779	219.081
58.5	3390.486	657.242	224.515	214.325	214.665
59.0	3267.869	623.276	217.382	208.212	210.589
59.5	3154.083	584.555	211.608	203.117	206.513
60.0	3036.900	545.154	207.532	198.701	202.098
60.5	2928.888	509.490	204.136	195.305	197.682
61.0	2818.159	478.581	201.079	192.927	193.946
61.5	2709.468	448.012	198.701	190.889	191.229
62.0	2602.475	419.140	196.323	189.191	189.191
62.5	2499.218	392.307	194.286	187.492	187.832
63.0	2405.132	366.153	191.908	186.473	186.473
63.5	2320.897	346.793	189.870	185.454	185.454
64.0	2208.469	333.886	188.172	184.435	184.775
64.5	2105.552	323.356	186.473	183.416	184.096
65.0	2010.787	313.506	184.775	182.737	183.416
65.5	1919.079	303.996	182.737	182.058	183.077
66.0	1831.786	295.165	181.039	181.718	182.737
66.5	1747.551	286.673	179.340	181.039	182.397
67.0	1663.994	278.861	177.642	180.699	182.737
67.5	1585.193	271.728	176.284	180.359	182.397
68.0	1509.789	264.935	174.925	180.359	182.737
68.5	1435.743	258.481	173.227	180.699	183.077
69.0	1365.094	253.047	171.868	180.699	183.416
69.5	1296.822	247.612	170.509	181.039	183.756
70.0	1231.268	242.857	169.151	181.378	184.435
70.5	1168.430	238.102	168.132	181.718	185.115
71.0	1107.292	233.686	167.113	182.397	185.794
71.5	1049.549	229.610	166.094	183.077	186.813
72.0	993.506	226.214	165.414	183.756	187.153
72.5	939.839	223.157	164.735	184.775	188.172
73.0	887.532	220.439	164.056	185.454	188.851
73.5	837.941	218.062	163.376	186.473	189.870
74.0	782.237	216.363	163.037	187.492	191.229
74.5	734.345	213.986	162.697	188.851	192.587
75.0	697.322	211.948	162.357	189.870	193.946
75.5	655.883	209.910	162.018	190.889	195.305
76.0	614.785	207.872	162.018	192.927	197.003
76.5	574.705	205.834	161.678	194.965	199.041
77.0	536.323	204.136	162.018	196.663	201.079
77.5	499.300	202.098	162.357	198.701	203.117
78.0	463.296	200.060	162.357	200.739	203.796
78.5	428.651	198.361	163.037	202.437	202.098
79.0	395.704	196.663	163.716	202.098	197.342
79.5	364.116	194.965	164.735	198.022	191.229
80.0	333.206	193.606	165.754	190.549	185.794
80.5	303.656	191.908	166.773	183.416	183.077
81.0	276.144	190.889	167.792	179.001	181.039
81.5	249.310	189.530	167.452	176.284	180.359
82.0	224.515	188.851	164.056	174.585	180.020
82.5	200.399	188.172	158.621	174.585	180.359

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CANDELA TABULATION - (Cont.)

83.0	177.982	187.492	153.526	174.585	181.039
83.5	156.923	187.492	150.469	174.925	181.718
84.0	137.562	187.492	148.771	175.944	183.077
84.5	118.541	187.832	148.092	176.963	184.775
85.0	101.219	188.172	147.752	179.001	187.153
85.5	85.594	186.473	147.412	181.378	189.191
86.0	72.008	180.699	147.412	184.096	192.587
86.5	59.441	172.208	148.771	187.153	193.946
87.0	48.232	165.414	150.130	183.416	185.454
87.5	38.721	159.640	149.790	172.547	172.547
88.0	30.569	154.206	141.638	160.999	161.339
88.5	24.116	146.733	128.731	152.507	155.225
89.0	19.021	135.185	119.560	147.412	150.809
89.5	14.605	122.278	114.465	143.337	147.073
90.0	10.869	114.126	110.729	139.940	144.016
90.5	9.850	101.558	106.314	136.883	140.619
91.0	8.831	84.236	93.746	131.109	135.524
91.5	8.492	69.630	74.386	114.805	120.919
92.0	8.152	60.459	63.177	94.765	98.841
92.5	7.473	52.308	59.101	86.274	86.274
93.0	7.133	40.759	57.403	83.556	81.518
93.5	6.454	25.135	56.384	82.877	79.480
94.0	6.114	13.586	55.365	83.217	78.801
94.5	5.774	7.473	54.346	83.217	78.461
95.0	5.435	5.435	52.987	83.556	78.461
95.5	4.755	4.755	50.609	83.896	78.122
96.0	4.416	4.076	45.514	83.896	77.782
96.5	3.736	3.736	34.985	83.556	77.442
97.0	3.397	3.057	19.021	82.537	76.763
97.5	3.057	2.717	6.454	79.141	75.065
98.0	2.717	2.378	2.378	72.348	72.008
98.5	2.717	2.038	1.359	59.780	65.554
99.0	2.378	1.698	1.359	39.740	55.365
99.5	2.378	1.698	1.359	19.021	41.439
100.0	2.038	1.359	1.359	6.454	24.116
100.5	1.698	1.359	1.359	2.717	8.492
101.0	2.038	1.359	1.359	1.698	3.397
101.5	1.698	1.359	1.359	1.359	1.698
102.0	2.038	1.359	1.019	1.019	1.019
102.5	1.698	1.359	1.019	1.359	0.679
103.0	1.698	1.359	1.019	1.359	0.679
103.5	2.038	1.359	1.359	1.359	0.679
104.0	1.698	1.359	1.359	1.359	1.019
104.5	1.698	1.359	1.359	1.359	1.019
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SRKA-X8-L104-840-X-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SRKA-X8-L104-840-X-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SRKA-X8-L104-840-X-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2730.19	N.A.	28.70
0-30	4834.83	N.A.	50.70
0-40	6519.33	N.A.	68.40
0-60	8574.53	N.A.	90.00
0-80	9297.94	N.A.	97.60
0-90	9473.69	N.A.	99.40
10-90	8679.78	N.A.	91.10
20-40	3789.14	N.A.	39.80
20-50	5022.03	N.A.	52.70
40-70	2507.29	N.A.	26.30
60-80	723.41	N.A.	7.60
70-80	271.32	N.A.	2.80
80-90	175.75	N.A.	1.80
90-110	55.41	N.A.	0.60
90-120	55.41	N.A.	0.60
90-130	55.41	N.A.	0.60
90-150	55.41	N.A.	0.60
90-180	55.41	N.A.	0.60
110-180	0.00	N.A.	0.00
0-180	9529.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	793.91
10-20	1936.28
20-30	2104.64
30-40	1684.5
40-50	1232.89
50-60	822.31
60-70	452.09
70-80	271.32
80-90	175.75
90-100	54.53
100-110	0.88
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SRKA-X8-L104-840-X-DIM-UNV_.IES

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	404	404	404	404	394	394	394	394	376	376	376	360	360	360	345	345	345	338
1	377	364	353	342	368	356	346	336	342	333	326	329	322	315	316	311	306	299
2	352	330	311	296	343	323	307	292	311	298	286	301	289	279	290	281	273	266
3	328	300	278	261	321	295	275	258	285	268	254	276	261	249	268	255	245	239
4	307	274	251	232	300	270	248	231	262	243	228	255	238	225	247	233	222	215
5	288	253	228	210	281	249	226	208	242	222	206	236	218	204	230	214	202	196
6	270	233	209	191	265	230	207	190	225	204	188	219	201	187	214	198	185	179
7	255	217	192	175	249	214	191	174	209	188	173	205	186	172	200	184	171	165
8	240	202	178	161	236	200	177	161	196	175	160	192	173	159	188	171	158	153
9	228	189	166	150	223	187	165	149	184	163	149	180	161	148	177	160	147	142
10	216	178	155	140	212	176	154	139	173	153	139	170	151	138	167	150	138	132

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SRKA-X8-L104-840-X-DIM-UNV_.IES

UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	16.6	17.9	17.0	18.2	18.6	5.1	6.4	5.5	6.8	7.1
	3H	18.5	19.7	18.9	20.1	20.4	7.8	9.0	8.2	9.3	9.7
	4H	19.1	20.3	19.5	20.6	21.0	9.6	10.7	10.0	11.0	11.4
	6H	19.5	20.5	19.9	20.9	21.3	11.7	12.7	12.1	13.1	13.4
	8H	19.6	20.6	20.0	21.0	21.4	12.6	13.6	13.0	14.0	14.4
	12H	19.6	20.5	20.0	20.9	21.4	13.8	14.7	14.2	15.1	15.5

UGR Viewed Endwise

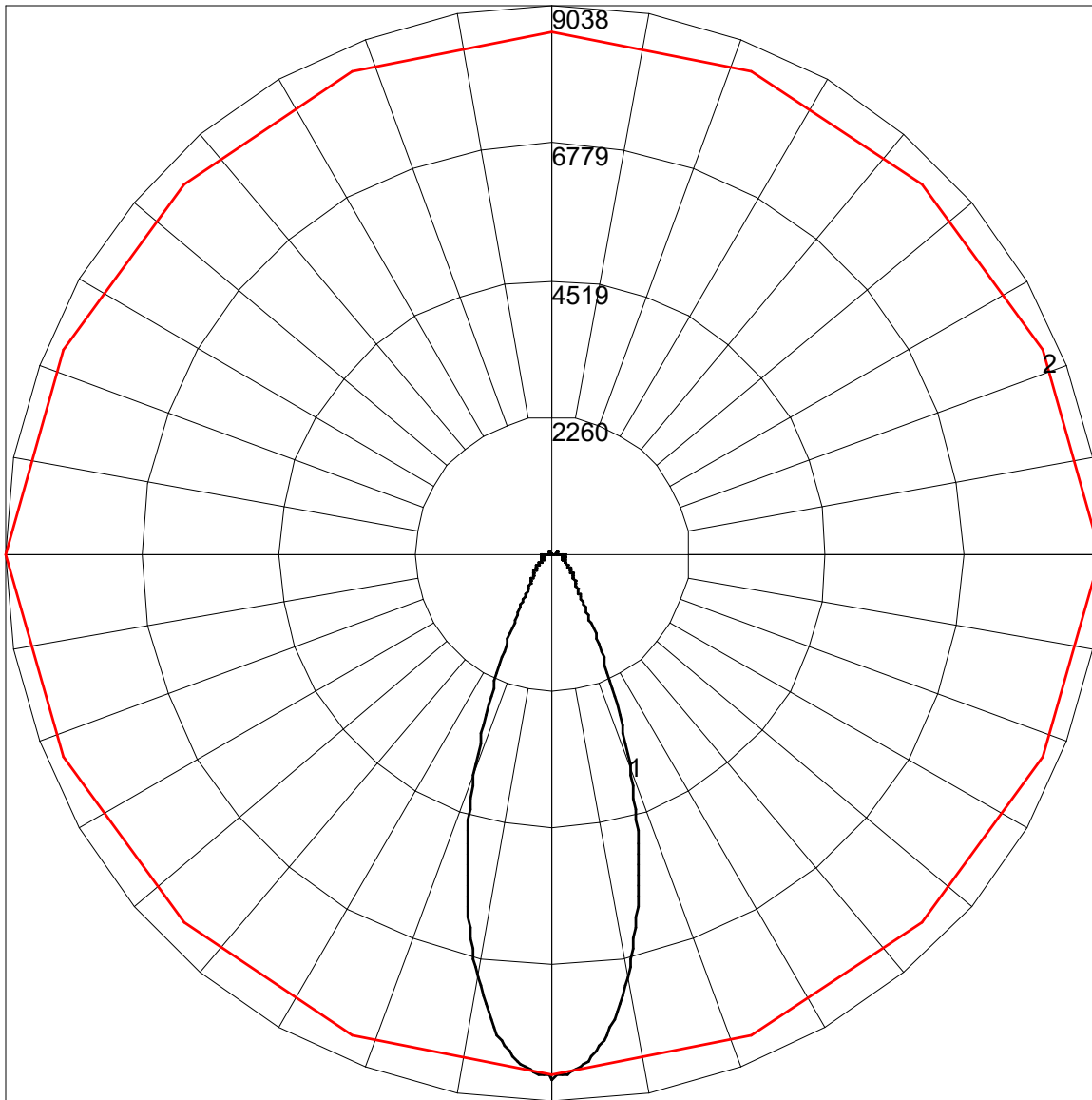
4H	2H	16.4	17.5	16.8	17.9	18.2	5.8	6.9	6.2	7.2	7.6
	3H	18.4	19.3	18.8	19.7	20.1	8.8	9.7	9.2	10.1	10.5
	4H	19.0	19.8	19.4	20.3	20.7	10.7	11.6	11.2	12.0	12.4
	6H	19.5	20.2	20.0	20.7	21.1	13.1	13.8	13.5	14.2	14.7
	8H	19.7	20.3	20.1	20.8	21.2	14.1	14.8	14.6	15.3	15.7
	12H	19.7	20.3	20.2	20.8	21.3	15.4	16.0	15.9	16.5	17.0

8H	4H	19.0	19.6	19.4	20.1	20.5	11.3	12.0	11.8	12.4	12.9
	6H	19.5	20.1	20.0	20.6	21.0	13.9	14.4	14.4	14.9	15.4
	8H	19.7	20.2	20.2	20.7	21.2	15.0	15.6	15.6	16.1	16.6
	12H	19.9	20.4	20.4	20.8	21.4	16.6	17.0	17.1	17.5	18.1

12H	4H	18.9	19.5	19.4	20.0	20.5	11.5	12.1	12.0	12.6	13.1
	6H	19.5	20.0	20.0	20.5	21.0	14.0	14.6	14.6	15.0	15.6
	8H	19.8	20.2	20.3	20.7	21.3	15.3	15.8	15.9	16.3	16.9

Maximum UGR = 21.4

POLAR GRAPH



Maximum Candela = 9038.353 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)