



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12186363.04
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 06-21-2023
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV
 [LUMINAIRE] White formed steel housing, frosted plastic patterned lens
 [LAMP] HLM 90 CRI 5000K CCT
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Healthcare, Direct
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1070
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.46
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.67 ft
Luminous Width (90-270)	1.67 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1900	1722	1368
55	1656	1502	1174
65	1348	1233	984
75	1141	1015	845
85	1080	909	825

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

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>
0.0	439.579	439.579	439.579	439.579	439.579	439.579	439.579	439.579	439.579
0.5	440.844	440.035	439.680	441.148	442.818	439.782	437.150	436.796	437.302
1.0	442.514	441.603	440.946	441.654	442.767	439.022	435.834	435.126	435.480
1.5	444.235	443.172	442.008	442.211	442.616	438.213	434.468	433.354	433.658
2.0	445.804	444.589	443.071	442.717	442.413	437.352	433.051	431.532	431.735
2.5	447.271	445.956	444.083	443.223	442.160	436.441	431.583	429.761	429.761
3.0	448.840	447.373	445.045	443.577	441.958	435.480	430.014	427.889	427.838
3.5	450.308	448.739	445.956	443.931	441.603	434.518	428.547	425.966	425.814
4.0	451.674	449.954	446.867	444.235	441.249	433.456	426.978	423.992	423.739
4.5	453.041	451.168	447.676	444.539	440.844	432.342	425.308	421.968	421.563
5.0	454.306	452.282	448.435	444.741	440.338	431.279	423.587	419.893	419.437
5.5	455.470	453.395	449.245	444.893	439.832	430.065	421.816	417.919	417.160
6.0	456.634	454.407	449.903	444.994	439.275	428.850	420.044	415.793	414.883
6.5	457.849	455.470	450.460	444.994	438.618	427.534	418.324	413.567	412.555
7.0	458.861	456.381	451.016	444.994	437.960	426.219	416.502	411.340	410.125
7.5	459.822	457.241	451.573	444.944	437.201	424.852	414.579	409.063	407.696
8.0	460.784	458.102	452.029	444.842	436.391	423.435	412.605	406.785	405.216
8.5	461.695	458.911	452.383	444.690	435.581	421.968	410.530	404.457	402.686
9.0	462.504	459.620	452.788	444.539	434.721	420.399	408.506	402.180	400.409
9.5	463.314	460.278	453.091	444.235	433.709	418.779	406.380	399.903	397.777
10.0	464.023	460.885	453.395	443.931	432.747	417.210	404.255	397.423	395.095
10.5	464.681	461.492	453.597	443.577	431.684	415.540	402.079	394.892	392.362
11.0	465.338	461.948	453.699	443.172	430.571	413.668	400.004	392.261	389.629
11.5	465.946	462.454	453.800	442.717	429.458	411.846	397.777	389.629	386.846
12.0	466.502	462.859	453.800	442.160	428.243	410.075	395.399	386.998	384.012
12.5	467.059	463.213	453.800	441.603	427.028	408.202	393.020	384.265	381.127
13.0	467.515	463.517	453.749	440.996	425.662	406.279	390.591	381.431	378.192
13.5	467.919	463.719	453.597	440.288	424.346	404.255	388.111	378.597	375.307
14.0	468.274	463.921	453.446	439.528	422.980	402.433	385.631	375.763	372.321
14.5	468.577	464.023	453.142	438.668	421.512	400.409	383.050	372.827	369.336
15.0	468.830	464.124	452.788	437.757	420.044	398.435	380.419	369.842	366.248
15.5	469.033	464.073	452.383	436.846	418.476	396.309	377.736	366.805	363.212
16.0	469.134	464.023	451.877	435.885	416.907	394.133	375.054	363.718	360.125
16.5	469.134	463.921	451.320	434.822	415.287	391.907	372.321	360.682	356.987
17.0	469.083	463.770	450.763	433.658	413.617	389.629	369.538	357.544	353.799
17.5	468.982	463.466	450.106	432.494	411.795	387.352	366.704	354.457	350.560
18.0	468.780	463.112	449.397	431.279	409.974	385.024	363.870	351.218	347.321
18.5	468.476	462.707	448.638	429.964	408.202	382.645	361.036	347.979	344.032
19.0	468.071	462.251	447.727	428.648	406.279	380.216	358.101	344.740	340.692
19.5	467.616	461.695	446.816	427.332	404.407	377.736	355.165	341.501	337.301
20.0	467.160	461.087	445.804	425.915	402.484	375.206	352.179	338.161	333.910
20.5	466.452	460.429	444.690	424.397	400.510	372.726	349.092	334.872	330.469
21.0	465.845	459.569	443.577	422.879	398.587	370.145	346.056	331.481	326.977
21.5	465.085	458.759	442.413	421.310	396.461	367.564	343.019	328.141	323.485
22.0	464.225	457.849	441.249	419.690	394.285	364.882	339.882	324.649	319.892
22.5	463.314	456.836	439.984	417.970	392.058	362.149	336.744	321.157	316.349
23.0	462.353	455.774	438.668	416.198	389.781	359.416	333.606	317.665	312.756
23.5	461.340	454.711	437.251	414.427	387.504	356.633	330.368	314.173	309.112
24.0	460.278	453.547	435.733	412.605	385.176	353.799	327.179	310.630	305.469
24.5	459.114	452.282	434.265	410.733	382.797	350.914	323.839	307.037	301.825
25.0	457.849	450.966	432.696	408.708	380.317	348.030	320.550	303.444	298.181
25.5	456.583	449.549	431.077	406.785	377.888	345.094	317.210	299.800	294.487
26.0	455.217	448.132	429.407	404.710	375.307	342.109	313.869	296.258	290.843
26.5	453.850	446.614	427.737	402.635	372.827	339.072	310.529	292.614	287.098

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

CANDELA TABULATION - (Cont.)

27.0	452.383	445.045	425.966	400.459	370.246	336.036	307.088	288.970	283.404
27.5	450.865	443.375	424.144	398.384	367.564	332.898	303.647	285.276	279.659
28.0	449.346	441.705	422.221	396.158	364.882	329.811	300.256	281.632	275.964
28.5	447.626	439.933	420.247	393.830	362.149	326.673	296.764	278.039	272.270
29.0	445.804	438.111	418.223	391.552	359.366	323.485	293.272	274.446	268.525
29.5	443.881	436.138	416.097	389.123	356.532	320.297	289.729	270.853	264.780
30.0	442.008	434.164	414.022	386.694	353.698	317.108	286.238	267.209	261.085
30.5	440.035	432.089	411.795	384.113	350.762	313.920	282.746	263.565	257.391
31.0	438.010	429.913	409.467	381.532	347.777	310.681	279.304	259.922	253.596
31.5	435.986	427.737	407.089	378.951	344.791	307.341	275.812	256.278	249.851
32.0	434.012	425.409	404.660	376.319	341.754	304.001	272.270	252.634	246.106
32.5	431.836	423.081	402.231	373.587	338.718	300.711	268.677	249.041	242.462
33.0	429.761	420.601	399.700	370.854	335.631	297.371	265.185	245.498	238.767
33.5	427.585	418.071	397.069	368.020	332.442	294.031	261.642	241.905	235.124
34.0	425.308	415.389	394.336	365.084	329.254	290.691	258.150	238.312	231.480
34.5	422.929	412.605	391.502	361.997	326.015	287.250	254.608	234.769	227.887
35.0	420.500	409.771	388.617	358.910	322.726	283.758	251.065	231.227	224.294
35.5	418.020	406.937	385.682	355.722	319.436	280.266	247.523	227.684	220.700
36.0	415.389	403.951	382.645	352.483	316.046	276.774	244.081	224.192	217.209
36.5	412.504	401.016	379.508	349.244	312.705	273.282	240.589	220.650	213.717
37.0	409.569	398.030	376.269	345.955	309.315	269.790	237.097	217.209	210.326
37.5	406.482	394.741	372.979	342.564	305.873	266.298	233.555	213.767	206.935
38.0	403.192	391.400	369.589	339.072	302.381	262.806	230.012	210.427	203.595
38.5	400.054	387.858	366.147	335.530	298.738	259.213	226.520	207.087	200.255
39.0	396.461	384.265	362.605	331.886	295.145	255.670	223.028	203.696	196.915
39.5	392.868	380.672	359.012	328.242	291.551	252.077	219.537	200.356	193.575
40.0	389.123	376.977	355.317	324.598	287.908	248.484	216.095	197.016	190.285
40.5	385.277	373.182	351.572	320.904	284.264	244.891	212.654	193.727	186.996
41.0	381.279	369.285	347.726	317.210	280.620	241.298	209.213	190.488	183.757
41.5	377.180	365.287	343.728	313.414	276.825	237.705	205.771	187.249	180.619
42.0	373.030	361.137	339.730	309.618	273.080	234.112	202.380	184.060	177.481
42.5	368.728	356.937	335.681	305.671	269.284	230.569	198.990	180.872	174.394
43.0	364.528	352.635	331.582	301.673	265.438	226.925	195.650	177.734	171.257
43.5	360.226	348.232	327.432	297.675	261.541	223.281	192.310	174.546	168.170
44.0	355.924	343.829	323.232	293.677	257.695	219.587	189.020	171.409	165.083
44.5	351.572	339.376	318.981	289.628	253.798	215.893	185.680	168.372	162.097
45.0	347.169	334.872	314.629	285.529	249.952	212.300	182.492	165.336	159.111
45.5	342.665	330.317	310.226	281.430	246.156	208.757	179.253	162.350	156.277
46.0	338.111	325.610	305.873	277.331	242.310	205.265	176.064	159.414	153.493
46.5	333.455	320.853	301.319	273.130	238.413	201.672	172.826	156.429	150.659
47.0	328.647	315.995	296.865	268.879	234.516	198.079	169.637	153.595	147.876
47.5	323.839	311.238	292.361	264.577	230.569	194.486	166.500	150.761	145.143
48.0	318.930	306.379	287.806	260.276	226.622	190.893	163.362	147.876	142.410
48.5	313.819	301.521	283.302	255.923	222.826	187.350	160.325	145.092	139.779
49.0	308.809	296.713	278.849	251.723	219.030	183.909	157.289	142.360	137.147
49.5	303.545	291.855	274.193	247.472	215.235	180.518	154.252	139.627	134.566
50.0	298.232	286.946	269.588	243.221	211.490	177.127	151.317	137.046	132.036
50.5	292.918	281.936	264.932	238.970	207.593	173.787	148.382	134.465	129.556
51.0	287.553	276.875	260.225	234.719	203.797	170.447	145.447	131.833	127.076
51.5	282.290	271.865	255.569	230.417	199.901	167.107	142.562	129.303	124.596
52.0	276.976	266.855	250.863	226.166	196.105	163.716	139.677	126.772	122.167
52.5	271.713	261.845	246.207	221.915	192.360	160.427	136.843	124.293	119.687
53.0	266.450	256.885	241.500	217.664	188.716	157.137	134.111	121.813	117.258
53.5	261.085	251.925	236.794	213.464	184.971	153.999	131.378	119.384	114.880
54.0	255.873	246.915	232.087	209.364	181.328	150.862	128.696	117.005	112.602
54.5	250.559	241.804	227.381	205.164	177.633	147.775	126.013	114.677	110.325

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

55.0	245.397	236.642	222.674	201.014	173.990	144.688	123.382	112.349	108.048
55.5	240.336	231.480	217.968	196.763	170.396	141.601	120.750	110.021	105.871
56.0	235.276	226.419	213.312	192.613	166.753	138.513	118.169	107.744	103.695
56.5	230.215	221.409	208.656	188.463	163.159	135.426	115.639	105.517	101.519
57.0	225.255	216.449	204.101	184.314	159.617	132.441	113.159	103.290	99.394
57.5	220.296	211.540	199.546	180.214	156.176	129.505	110.730	101.114	97.319
58.0	215.184	206.682	195.042	176.166	152.684	126.671	108.301	98.989	95.345
58.5	210.073	201.824	190.488	172.218	149.242	123.888	105.922	96.914	93.371
59.0	205.063	196.915	185.933	168.220	145.801	121.054	103.543	94.839	91.499
59.5	200.053	192.006	181.429	164.222	142.360	118.270	101.165	92.865	89.576
60.0	195.144	187.148	176.925	160.224	138.918	115.386	98.837	90.841	87.703
60.5	190.184	182.390	172.522	156.176	135.578	112.653	96.610	88.867	85.831
61.0	185.174	177.785	168.170	152.228	132.339	109.971	94.333	86.894	84.060
61.5	180.214	173.230	163.868	148.382	129.151	107.288	92.157	85.021	82.187
62.0	175.255	168.676	159.566	144.637	126.013	104.707	90.031	83.199	80.466
62.5	170.346	164.222	155.315	140.892	122.876	102.228	87.956	81.377	78.746
63.0	165.538	159.769	151.165	137.198	119.738	99.748	85.831	79.606	77.076
63.5	160.680	155.315	146.914	133.503	116.550	97.268	83.756	77.835	75.355
64.0	156.125	150.862	142.765	129.910	113.463	94.788	81.681	76.114	73.736
64.5	151.520	146.509	138.615	126.266	110.426	92.359	79.657	74.393	72.065
65.0	147.167	142.258	134.617	122.724	107.491	89.879	77.683	72.673	70.446
65.5	142.815	138.109	130.669	119.232	104.606	87.551	75.810	71.053	68.877
66.0	138.615	134.111	126.823	115.791	101.772	85.274	73.938	69.434	67.258
66.5	134.414	130.113	123.027	112.501	98.938	83.047	72.065	67.814	65.790
67.0	130.416	126.115	119.283	109.212	96.104	80.871	70.244	66.296	64.272
67.5	126.570	122.167	115.588	105.922	93.321	78.746	68.422	64.727	62.855
68.0	122.825	118.270	111.944	102.683	90.487	76.570	66.650	63.209	61.438
68.5	119.131	114.525	108.301	99.495	87.754	74.444	64.879	61.691	59.970
69.0	115.538	110.882	104.758	96.357	85.072	72.369	63.158	60.173	58.553
69.5	112.046	107.288	101.317	93.270	82.491	70.244	61.438	58.705	57.136
70.0	108.554	103.746	98.027	90.234	79.910	68.219	59.768	57.237	55.770
70.5	105.163	100.406	94.738	87.248	77.430	66.246	58.148	55.820	54.403
71.0	101.772	97.066	91.549	84.363	74.900	64.322	56.579	54.403	53.088
71.5	98.382	93.776	88.361	81.529	72.420	62.450	55.011	53.037	51.772
72.0	95.092	90.436	85.223	78.695	69.991	60.578	53.391	51.620	50.486
72.5	91.802	87.096	82.136	75.861	67.561	58.705	51.822	50.254	49.201
73.0	88.614	83.958	79.100	73.128	65.233	56.833	50.304	48.867	47.905
73.5	85.477	80.922	76.165	70.446	62.905	54.960	48.826	47.495	46.584
74.0	82.389	77.885	73.280	67.814	60.729	53.088	47.394	46.144	45.259
74.5	79.302	75.001	70.547	65.233	58.553	51.316	45.987	44.808	43.963
75.0	76.317	72.116	67.865	62.703	56.529	49.560	44.596	43.477	42.688
75.5	73.381	69.333	65.233	60.274	54.454	47.880	43.189	42.156	41.453
76.0	70.446	66.600	62.551	57.895	52.379	46.210	41.772	40.861	40.228
76.5	67.612	63.816	59.920	55.567	50.324	44.525	40.360	39.565	38.973
77.0	64.778	61.033	57.288	53.189	48.275	42.865	38.958	38.275	37.728
77.5	61.995	58.351	54.808	50.911	46.256	41.164	37.591	36.989	36.458
78.0	59.363	55.770	52.379	48.644	44.327	39.469	36.255	35.653	35.188
78.5	56.782	53.341	50.026	46.387	42.460	37.804	34.919	34.353	33.907
79.0	54.302	50.962	47.662	44.211	40.633	36.179	33.563	33.103	32.602
79.5	51.772	48.528	45.329	42.111	38.821	34.601	32.156	31.858	31.387
80.0	49.297	46.088	43.012	40.016	36.974	33.047	30.754	30.587	30.172
80.5	46.878	43.685	40.694	37.946	35.081	31.513	29.363	29.312	28.963
81.0	44.449	41.321	38.361	35.871	33.168	29.975	27.961	28.022	27.718
81.5	41.979	38.963	36.028	33.750	31.271	28.406	26.503	26.756	26.448
82.0	39.515	36.610	33.720	31.675	29.423	26.792	25.056	25.476	25.162
82.5	37.075	34.261	31.488	29.616	27.617	25.182	23.609	24.185	23.877

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

CANDELA TABULATION - (Cont.)

83.0	34.636	31.999	29.332	27.561	25.835	23.573	22.237	22.870	22.596
83.5	32.151	29.757	27.192	25.552	24.029	21.999	20.861	21.584	21.270
84.0	29.585	27.495	24.995	23.568	22.257	20.466	19.454	20.294	19.960
84.5	26.949	25.147	22.733	21.584	20.425	18.937	17.971	18.988	18.684
85.0	24.332	22.687	20.476	19.631	18.588	17.404	16.468	17.677	17.358
85.5	21.640	20.167	18.254	17.642	16.721	15.830	14.965	16.346	15.992
86.0	18.983	17.667	16.068	15.633	14.838	14.221	13.517	14.965	14.585
86.5	16.301	15.198	13.917	13.588	12.956	12.591	12.090	13.558	13.057
87.0	13.679	12.743	11.731	11.508	11.083	10.936	10.673	12.156	11.528
87.5	11.139	10.329	9.469	9.413	9.200	9.256	9.241	10.698	10.041
88.0	8.806	8.092	7.374	7.323	7.343	7.581	7.819	9.231	8.573
88.5	6.680	6.053	5.466	5.233	5.476	5.941	6.432	7.733	7.080
89.0	4.727	4.246	3.720	3.406	3.613	4.357	5.056	6.306	5.688
89.5	3.042	2.621	2.212	1.903	1.898	2.890	3.694	4.965	4.383
90.0	1.716	1.437	1.083	0.739	0.628	1.635	2.470	3.689	3.224
90.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

CANDELA TABULATION - (Cont.)

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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES****CANDELA TABULATION - (Cont.)**

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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	159.18	N.A.	14.90
0-30	333.04	N.A.	31.10
0-40	533.51	N.A.	49.90
0-60	881.69	N.A.	82.40
0-80	1049.1	N.A.	98.00
0-90	1069.97	N.A.	100.00
10-90	1028.47	N.A.	96.10
20-40	374.33	N.A.	35.00
20-50	566.78	N.A.	53.00
40-70	454.82	N.A.	42.50
60-80	167.42	N.A.	15.60
70-80	60.77	N.A.	5.70
80-90	20.87	N.A.	2.00
90-110	0.05	N.A.	0.00
90-120	0.05	N.A.	0.00
90-130	0.05	N.A.	0.00
90-150	0.05	N.A.	0.00
90-180	0.05	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1070.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.50
10-20	117.68
20-30	173.87
30-40	200.46
40-50	192.45
50-60	155.73
60-70	106.64
70-80	60.77
80-90	20.87
90-100	0.05
100-110	0.00
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 : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	57	66	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	28	27

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).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	14.3	15.9	14.7	16.2	16.5	12.2	13.8	12.5	14.1	14.4
	3H	15.8	17.2	16.2	17.5	17.9	13.7	15.1	14.1	15.5	15.8
	4H	16.4	17.7	16.8	18.1	18.4	14.3	15.6	14.7	16.0	16.4
	6H	16.8	18.1	17.3	18.4	18.8	14.8	16.0	15.2	16.4	16.8
	8H	17.0	18.2	17.4	18.6	19.0	15.0	16.2	15.4	16.5	16.9
	12H	17.2	18.3	17.6	18.7	19.1	15.1	16.3	15.6	16.6	17.1

UGR Viewed Endwise

4H	2H	14.8	16.1	15.2	16.4	16.8	12.7	14.1	13.1	14.4	14.8
	3H	16.5	17.6	16.9	18.0	18.4	14.5	15.6	14.9	16.0	16.4
	4H	17.1	18.2	17.6	18.6	19.0	15.2	16.2	15.6	16.6	17.1
	6H	17.8	18.6	18.2	19.1	19.5	15.8	16.7	16.3	17.2	17.6
	8H	18.0	18.8	18.5	19.3	19.7	16.1	16.9	16.5	17.4	17.8
	12H	18.2	19.0	18.7	19.4	19.9	16.3	17.0	16.8	17.5	18.0

8H	4H	17.4	18.2	17.8	18.6	19.1	15.5	16.3	16.0	16.8	17.2
	6H	18.1	18.8	18.6	19.3	19.8	16.3	17.0	16.8	17.5	17.9
	8H	18.4	19.1	18.9	19.6	20.0	16.6	17.2	17.1	17.7	18.2
	12H	18.7	19.3	19.2	19.8	20.3	16.9	17.5	17.4	18.0	18.5

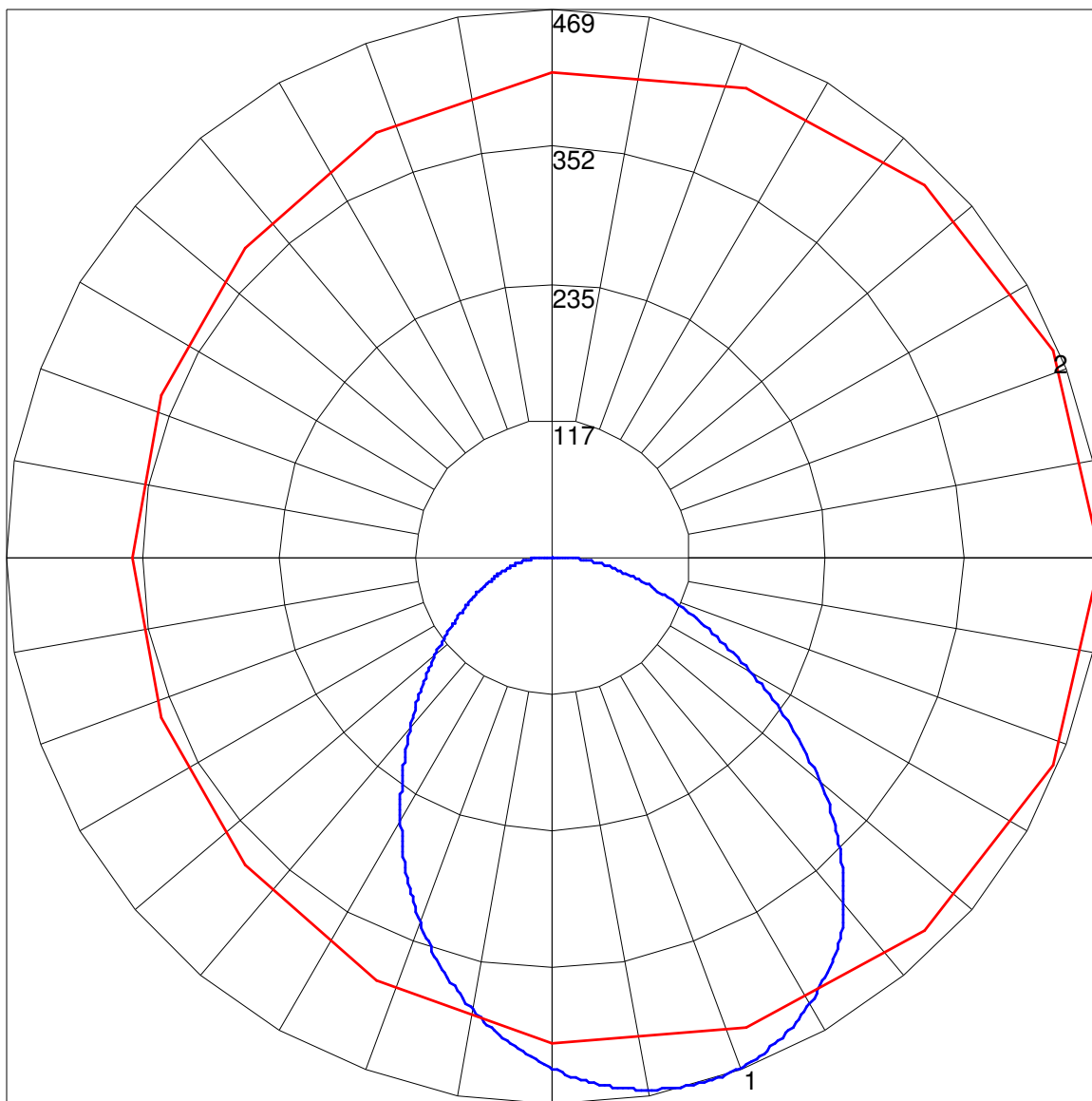
12H	4H	17.4	18.1	17.9	18.6	19.1	15.5	16.3	16.0	16.8	17.2
	6H	18.2	18.8	18.7	19.2	19.8	16.4	17.0	16.9	17.4	18.0
	8H	18.5	19.1	19.0	19.6	20.1	16.7	17.3	17.2	17.8	18.4

Maximum UGR = 20.3

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-22-L100-950-SYM-ASY-2C-EM10W-DIM-UNV_(EMER MODE).IES

POLAR GRAPH



Maximum Candela = 469.134 Located At Horizontal Angle = 0, Vertical Angle = 16

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (16) (Through Max. Cd.)