



IES INDOOR REPORT

PHOTOMETRIC FILENAME : GSR96L73W8600LDMV50K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LCZP19030519
 [TESTLAB] LCTECH
 [TESTDATE] 2019/3/28
 [ISSUE DATE] 2019/3/28
 [MANUFAC] Savegreen
 [LUMCAT] GSR96L73W8600LDMV50K
 [LUMINAIRE] Direct Linear Ambient Luminaires
 [LAMPCAT]
 [LAMP]

CHARACTERISTICS

Lumens Per Lamp	9624.84 (1 lamp)
Total Lamp Lumens	9624.84
Luminaire Lumens	9625
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	72.84
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.07 m
Luminous Height	0.03 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29558	24810	24288
55	27885	22754	22351
65	25141	20285	20358
75	19959	17252	17887
85	9347	14117	15670

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GSR96L73W8600LDMV50K.IES

CANDELA TABULATION

	<u>0</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>
0	2574.928	2574.928	2574.928	2574.928	2574.928	2574.928	2574.928
5	2556.736	2562.950	2564.646	2571.186	2566.176	2570.736	2589.902
10	2518.358	2525.374	2532.190	2545.720	2544.932	2548.498	2567.750
15	2459.524	2468.444	2478.748	2496.686	2503.284	2510.918	2532.972
20	2375.166	2385.970	2402.890	2432.108	2442.710	2454.144	2474.630
25	2266.188	2283.728	2309.022	2347.840	2361.688	2380.176	2400.392
30	2146.166	2159.914	2197.068	2240.656	2263.886	2287.038	2306.442
35	2002.522	2024.580	2065.058	2124.596	2150.678	2181.178	2200.448
40	1844.756	1873.142	1920.860	1988.196	2026.974	2060.568	2086.564
45	1671.694	1707.910	1764.754	1839.932	1892.666	1930.778	1958.714
50	1491.120	1531.282	1593.998	1682.808	1740.898	1786.908	1813.224
55	1292.624	1340.960	1419.882	1518.808	1581.776	1639.364	1659.788
60	1083.356	1141.732	1238.396	1343.440	1418.364	1479.514	1506.396
65	873.546	935.610	1041.490	1162.520	1246.860	1311.774	1335.846
70	659.482	730.854	850.546	974.906	1070.760	1139.658	1160.554
75	440.710	525.064	660.892	795.804	892.524	963.226	983.496
80	240.404	342.188	483.464	620.270	723.796	795.872	817.548
85	81.734	187.454	333.590	473.540	579.062	647.660	668.786
90	12.038	104.526	248.742	384.220	488.020	557.348	580.726
95	8.056	79.342	213.496	343.568	445.842	512.690	534.528
100	7.512	64.920	184.508	306.676	403.810	468.116	491.108
105	7.150	55.652	160.828	272.532	363.262	424.126	446.344
110	6.788	48.056	141.010	242.362	325.674	382.572	402.284
115	6.516	42.406	124.068	214.796	290.020	341.110	359.478
120	6.698	38.066	109.196	189.086	256.832	301.966	320.336
125	6.788	33.680	94.816	165.632	225.126	265.534	280.650
130	6.880	29.160	82.370	143.754	195.086	230.266	244.346
135	7.060	24.728	70.550	122.014	166.748	196.882	208.940
140	7.784	21.430	60.306	102.754	139.844	165.922	176.748
145	8.598	18.174	49.834	85.208	115.598	136.276	144.722
150	9.232	15.372	39.096	68.878	92.828	108.820	115.560
155	9.866	13.248	29.392	51.872	72.750	84.914	90.154
160	10.680	12.072	22.290	35.906	51.826	61.642	65.540
165	11.134	11.034	17.034	24.808	32.784	40.796	42.710
170	12.038	11.396	12.856	16.734	19.578	23.720	25.416
175	13.124	12.752	12.140	12.092	12.308	12.628	13.742
180	12.642	12.642	12.642	12.642	12.642	12.642	12.642

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GSR96L73W8600LDMV50K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	947.90	9.80	9.80
0-30	2024.82	21.00	21.00
0-40	3344.29	34.70	34.70
0-60	6090.74	63.30	63.30
0-80	8018.01	83.30	83.30
0-90	8507.24	88.40	88.40
10-90	8263.02	85.90	85.90
20-40	2396.39	24.90	24.90
20-50	3804.76	39.50	39.50
40-70	3869.49	40.20	40.20
60-80	1927.27	20.00	20.00
70-80	804.23	8.40	8.40
80-90	489.23	5.10	5.10
90-110	606.41	6.30	6.30
90-120	804.91	8.40	8.40
90-130	944.33	9.80	9.80
90-150	1084.84	11.30	11.30
90-180	1117.6	11.60	11.60
110-180	511.20	5.30	5.30
0-180	9624.84	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	244.22
10-20	703.68
20-30	1076.93
30-40	1319.46
40-50	1408.37
50-60	1338.08
60-70	1123.04
70-80	804.23
80-90	489.23
90-100	340.53
100-110	265.88
110-120	198.50
120-130	139.42
130-140	89.59
140-150	50.93
150-160	23.70
160-170	7.69
170-180	1.36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GSR96L73W8600LDMV50K.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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	104	99	94	90	100	95	91	87	89	85	82	83	80	77	78	75	73	70
2	94	85	78	72	90	82	75	70	77	71	66	72	67	63	67	63	60	57
3	85	74	66	59	82	72	64	57	67	60	55	63	57	52	59	54	50	47
4	78	65	56	49	75	63	55	48	59	52	46	56	49	44	52	47	43	40
5	72	58	49	42	69	56	48	41	53	45	40	50	43	38	47	41	37	34
6	66	52	43	36	63	51	42	36	48	40	35	45	38	33	42	37	32	30
7	61	47	38	32	59	46	37	31	43	36	30	41	34	29	38	33	28	26
8	57	43	34	28	54	42	34	28	39	32	27	37	31	26	35	30	25	23
9	53	39	31	25	51	38	30	25	36	29	24	34	28	24	33	27	23	21
10	50	36	28	23	48	35	28	23	33	27	22	32	26	21	30	25	21	19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GSR96L73W8600LDMV50K.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

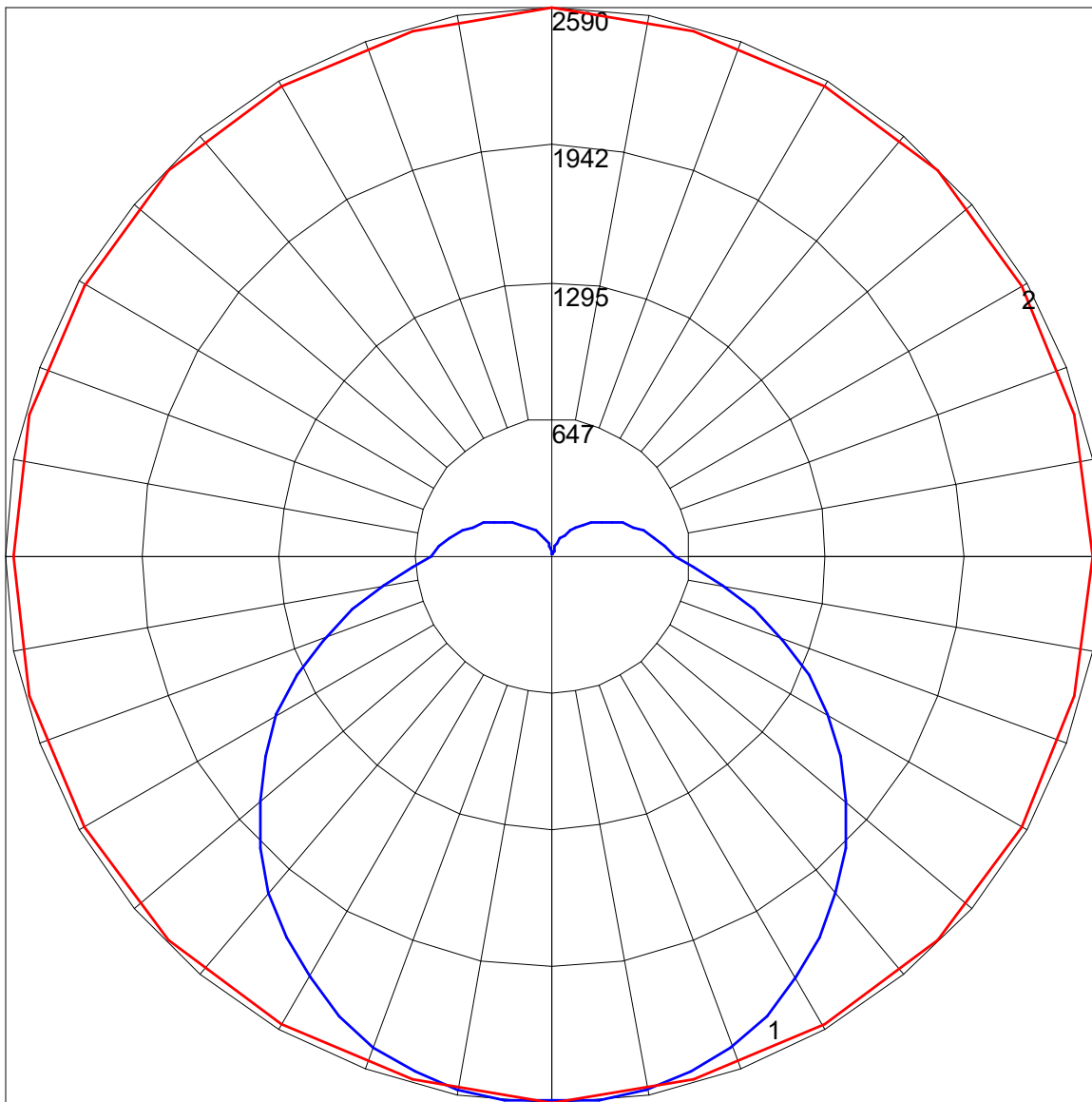
X=2H	Y=2H	20.9	22.3	21.5	22.9	23.5	23.4	24.8	23.9	25.3	25.9
	3H	22.3	23.6	22.9	24.2	24.8	25.8	27.2	26.4	27.7	28.3
	4H	22.8	24.0	23.3	24.6	25.2	27.0	28.2	27.6	28.8	29.5
	6H	23.0	24.2	23.6	24.7	25.4	28.2	29.3	28.8	29.9	30.6
	8H	23.0	24.2	23.6	24.8	25.4	28.8	29.9	29.4	30.5	31.2
	12H	23.1	24.1	23.7	24.7	25.4	29.4	30.5	30.0	31.1	31.8

UGR Viewed Endwise

4H	2H	21.9	23.1	22.4	23.7	24.3	23.8	25.0	24.3	25.6	26.2
	3H	23.5	24.6	24.1	25.2	25.9	26.4	27.5	27.0	28.1	28.8
	4H	24.1	25.1	24.7	25.7	26.4	27.8	28.7	28.4	29.4	30.1
	6H	24.5	25.3	25.1	25.9	26.7	29.1	30.0	29.8	30.6	31.3
	8H	24.5	25.3	25.2	26.0	26.7	29.8	30.6	30.5	31.3	32.0
	12H	24.6	25.3	25.2	26.0	26.7	30.6	31.3	31.2	32.0	32.7
8H	4H	24.8	25.6	25.4	26.2	27.0	28.0	28.8	28.6	29.4	30.1
	6H	25.3	26.0	26.0	26.7	27.4	29.5	30.1	30.1	30.8	31.6
	8H	25.5	26.1	26.2	26.8	27.5	30.3	30.9	31.0	31.6	32.3
	12H	25.6	26.1	26.3	26.8	27.6	31.2	31.8	31.9	32.4	33.2
12H	4H	25.0	25.7	25.6	26.4	27.1	28.0	28.7	28.6	29.3	30.1
	6H	25.6	26.2	26.3	26.9	27.7	29.5	30.1	30.2	30.8	31.6
	8H	25.9	26.4	26.5	27.1	27.9	30.4	30.9	31.1	31.6	32.4

Maximum UGR = 33.2

POLAR GRAPH



Maximum Candela = 2589.902 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)