

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FSW8110L835-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO43879P6.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 6/8/2022
[MANUFAC] DAY-BRITE / CFI
[LUMCAT] FSW8110L835-UNV-DIM
[LUMINAIRE] 8FT FLUXSTREAM WRAP 4-FLS VO+TvS 22" 835 LV2E BOARDS

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10347
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	80.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.34 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.14 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12014	10003	9539
55	11376	9007	8530
65	10385	7856	7429
75	8544	6418	6175
85	4633	4465	4662

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW8110L835-UNV-DIM.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	3053.109	3053.109	3053.109	3053.109	3053.109
2.5	3008.657	3039.311	3053.243	3063.057	3076.115
5.0	2997.240	3028.409	3044.246	3054.837	3067.856
7.5	2979.139	3010.716	3029.070	3042.148	3056.868
10.0	2953.839	2985.970	3008.200	3025.640	3041.701
12.5	2920.989	2954.597	2981.082	3002.059	3019.004
15.0	2881.794	2916.179	2947.795	2969.890	2986.368
17.5	2836.042	2871.087	2906.794	2930.549	2948.884
20.0	2783.254	2820.389	2858.651	2885.642	2905.579
22.5	2724.268	2763.453	2805.922	2835.672	2853.880
25.0	2658.365	2700.309	2746.547	2778.474	2797.343
27.5	2586.213	2630.946	2679.866	2716.146	2735.179
30.0	2509.291	2555.909	2609.920	2646.802	2667.527
32.5	2426.822	2475.684	2535.253	2573.631	2591.081
35.0	2339.892	2392.252	2454.882	2493.173	2513.392
37.5	2248.970	2303.827	2367.262	2411.500	2432.583
40.0	2154.345	2210.951	2277.622	2326.844	2346.830
42.5	2054.115	2114.238	2187.390	2236.630	2257.646
45.0	1950.017	2016.572	2092.561	2143.425	2163.731
47.5	1845.002	1914.486	1994.585	2048.849	2067.484
50.0	1737.333	1809.110	1893.777	1951.315	1970.100
52.5	1625.875	1702.002	1790.206	1850.978	1871.348
55.0	1509.669	1593.839	1684.536	1749.199	1769.713
57.5	1391.538	1481.912	1578.278	1644.087	1664.999
60.0	1272.415	1368.478	1469.911	1539.412	1560.346
62.5	1152.121	1252.507	1359.967	1433.649	1455.143
65.0	1029.015	1137.170	1250.455	1326.600	1350.633
67.5	905.159	1021.557	1141.226	1218.878	1244.783
70.0	781.528	904.634	1030.896	1111.495	1139.467
72.5	657.171	789.713	920.386	1004.647	1034.821
75.0	533.542	678.033	811.825	897.149	929.875
77.5	414.620	567.673	703.670	792.651	826.378
80.0	304.598	459.355	598.224	689.943	724.072
82.5	200.535	357.029	496.048	590.954	626.838
85.0	110.776	261.352	401.725	497.568	535.326
87.5	43.431	175.897	318.017	414.525	452.205
90.0	5.060	116.995	254.352	350.928	387.400
92.5	4.258	95.645	218.220	309.539	343.541
95.0	6.436	91.333	202.519	286.646	318.711
97.5	8.894	90.789	195.780	274.985	305.142
100.0	10.927	90.534	193.843	268.600	297.239
102.5	13.764	90.252	192.228	265.722	293.418
105.0	15.528	89.669	190.094	262.558	289.816
107.5	17.392	88.723	187.626	258.767	285.500
110.0	19.244	86.646	184.873	254.525	280.554
112.5	20.897	82.969	181.039	249.552	274.898
115.0	22.565	76.426	176.402	243.795	268.351
117.5	24.220	70.894	170.202	238.179	261.629
120.0	25.775	67.221	162.264	232.095	254.836
122.5	27.246	63.040	153.373	225.210	247.219
125.0	28.621	62.573	144.264	218.012	237.813
127.5	29.824	62.797	134.175	208.498	226.397
130.0	31.286	62.672	121.320	195.897	215.562
132.5	34.356	62.894	109.426	182.003	206.918

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW8110L835-UNV-DIM.IES

CANDELA TABULATION - (Cont.)

135.0	37.181	64.038	104.074	170.341	200.723
137.5	40.162	65.336	98.153	155.453	191.583
140.0	43.108	66.827	91.307	138.578	177.384
142.5	46.085	68.105	90.483	126.417	162.334
145.0	49.212	69.452	90.728	114.935	150.966
147.5	52.354	70.268	90.188	103.672	134.503
150.0	55.195	70.511	88.933	99.440	122.265
152.5	57.841	71.176	87.784	95.503	116.546
155.0	60.422	71.889	86.772	89.976	110.806
157.5	63.018	71.920	85.499	85.616	103.559
160.0	65.369	71.972	83.943	81.689	95.810
162.5	67.925	72.359	81.644	77.590	88.062
165.0	70.869	73.405	79.893	73.440	80.354
167.5	72.618	73.727	77.559	70.264	64.975
170.0	73.399	73.902	75.478	68.216	44.369
172.5	74.821	75.068	74.724	65.756	41.861
175.0	76.168	76.156	75.000	64.825	40.141
177.5	76.926	77.101	75.391	65.263	39.746
180.0	69.287	69.287	69.287	69.287	69.287

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW8110L835-UNV-DIM.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1119.36	N.A.	10.80
0-30	2381.3	N.A.	23.00
0-40	3909.13	N.A.	37.80
0-60	7002.46	N.A.	67.70
0-80	9041.01	N.A.	87.40
0-90	9455.69	N.A.	91.40
10-90	9166.64	N.A.	88.60
20-40	2789.77	N.A.	27.00
20-50	4392.85	N.A.	42.50
40-70	4307.17	N.A.	41.60
60-80	2038.55	N.A.	19.70
70-80	824.71	N.A.	8.00
80-90	414.69	N.A.	4.00
90-110	393.02	N.A.	3.80
90-120	552.25	N.A.	5.30
90-130	677.11	N.A.	6.50
90-150	824.61	N.A.	8.00
90-180	891.29	N.A.	8.60
110-180	498.27	N.A.	4.80
0-180	10346.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	289.06
10-20	830.30
20-30	1261.94
30-40	1527.83
40-50	1603.09
50-60	1490.25
60-70	1213.84
70-80	824.71
80-90	414.69
90-100	209.52
100-110	183.50
110-120	159.23
120-130	124.86
130-140	88.44
140-150	59.05
150-160	38.73
160-170	21.40
170-180	6.56

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW8110L835-UNV-DIM.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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	106	100	96	91	102	97	93	89	91	88	85	86	83	81	81	79	77	74
2	96	87	80	73	92	84	77	72	79	74	69	75	70	66	70	67	63	61
3	87	76	67	61	84	74	66	59	69	63	57	65	60	55	62	57	53	51
4	79	67	58	51	76	65	57	50	61	54	48	58	52	47	55	50	45	43
5	73	60	50	44	70	58	49	43	55	47	42	52	46	40	49	44	39	37
6	67	54	44	38	65	52	44	37	49	42	36	47	40	35	45	39	34	32
7	62	48	40	33	60	47	39	33	45	37	32	43	36	31	41	35	30	28
8	58	44	36	30	56	43	35	29	41	34	29	39	33	28	37	32	27	25
9	54	40	32	27	52	40	32	26	38	31	26	36	30	25	34	29	25	23
10	51	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW8110L835-UNV-DIM.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	18.2	19.7	18.7	20.2	20.7	20.0	21.5	20.5	22.0	22.5
	3H	19.7	21.0	20.2	21.5	22.1	22.3	23.6	22.8	24.1	24.7
	4H	20.1	21.4	20.7	21.9	22.5	23.3	24.5	23.8	25.1	25.6
	6H	20.4	21.6	21.0	22.1	22.7	24.2	25.4	24.8	26.0	26.6
	8H	20.5	21.6	21.0	22.2	22.8	24.7	25.9	25.3	26.4	27.0
	12H	20.5	21.6	21.0	22.1	22.8	25.2	26.3	25.8	26.8	27.5

UGR Viewed Endwise

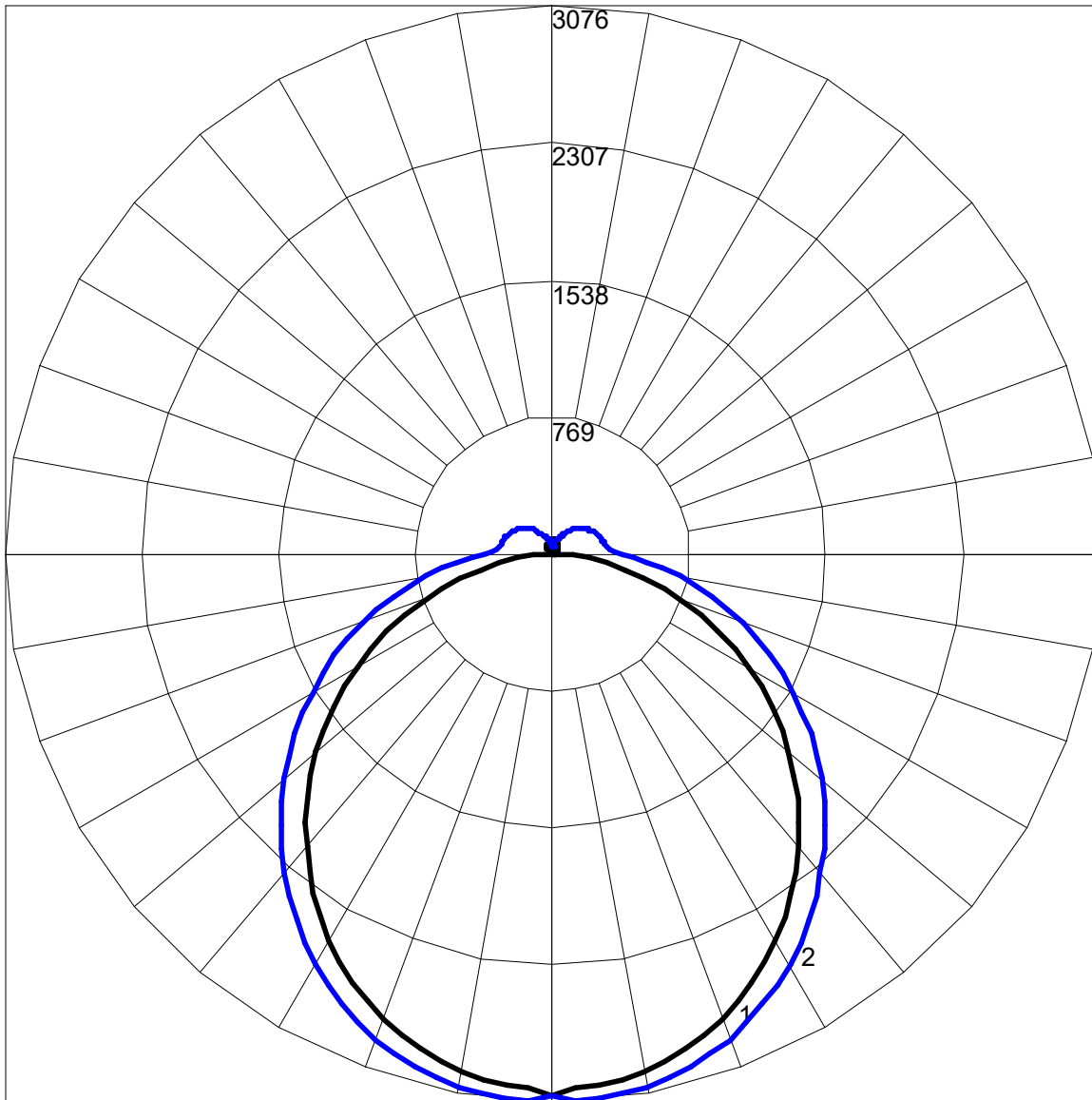
4H	2H	19.0	20.3	19.5	20.8	21.4	20.4	21.7	21.0	22.2	22.8
	3H	20.7	21.8	21.3	22.4	23.0	22.9	24.0	23.4	24.5	25.1
	4H	21.4	22.3	21.9	22.9	23.5	24.1	25.0	24.6	25.6	26.2
	6H	21.8	22.6	22.3	23.2	23.9	25.2	26.1	25.8	26.7	27.3
	8H	21.8	22.6	22.4	23.2	23.9	25.8	26.6	26.3	27.2	27.8
	12H	21.9	22.6	22.5	23.2	23.9	26.3	27.1	26.9	27.7	28.3

8H	4H	21.9	22.7	22.5	23.3	24.0	24.3	25.1	24.9	25.7	26.3
	6H	22.4	23.1	23.1	23.8	24.4	25.5	26.2	26.1	26.8	27.5
	8H	22.6	23.2	23.2	23.9	24.5	26.2	26.8	26.8	27.4	28.1
	12H	22.7	23.2	23.3	23.9	24.6	26.9	27.4	27.5	28.1	28.8

12H	4H	22.0	22.7	22.6	23.4	24.0	24.3	25.0	24.9	25.6	26.3
	6H	22.6	23.2	23.3	23.9	24.6	25.6	26.2	26.2	26.8	27.5
	8H	22.8	23.4	23.5	24.0	24.8	26.2	26.8	26.9	27.4	28.2

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 3076.115 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Vertical Plane Through Horizontal Angles (90 - 270)