

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FSW455L835-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] FO43879P3.PSO

[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUE DATE] 6/8/2022

[MANUFAC] DAY-BRITE / CFI

[LUMCAT] FSW455L835-UNV-DIM

[LUMINAIRE] 4FT FLUXSTREAM WRAP 2-FLS VO+TvS 22" 835 LV2E BOARDS, XI040C110V054BST2 DRIVER @900mA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5181
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	40.3
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)	3.63 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	11937	10023	9658
55	11214	8997	8637
65	10109	7816	7523
75	8101	6348	6252
85	3966	4371	4721

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW455L835-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	1528.848	1528.848	1528.848	1528.848	1528.848
2.5	1506.588	1521.938	1528.915	1533.829	1540.368
5.0	1500.871	1516.479	1524.410	1529.713	1536.233
7.5	1491.807	1507.620	1516.810	1523.359	1530.730
10.0	1479.138	1495.228	1506.360	1515.093	1523.135
12.5	1462.688	1479.518	1492.780	1503.285	1511.770
15.0	1443.062	1460.280	1476.112	1487.176	1495.427
17.5	1420.151	1437.700	1455.580	1467.476	1476.657
20.0	1393.718	1412.313	1431.473	1444.988	1454.972
22.5	1364.180	1383.802	1405.069	1419.966	1429.084
25.0	1331.179	1352.183	1375.337	1391.324	1400.772
27.5	1295.049	1317.449	1341.946	1360.113	1369.644
30.0	1256.531	1279.874	1306.921	1325.389	1335.767
32.5	1215.234	1239.701	1269.531	1288.749	1297.487
35.0	1171.704	1197.923	1229.285	1248.459	1258.584
37.5	1126.174	1153.644	1185.409	1207.561	1218.119
40.0	1078.791	1107.136	1140.522	1165.170	1175.178
42.5	1028.600	1058.707	1095.338	1119.995	1130.519
45.0	976.473	1009.801	1047.852	1073.322	1083.491
47.5	923.887	958.681	998.791	1025.963	1035.295
50.0	869.972	905.914	948.311	977.123	986.530
52.5	814.159	852.279	896.448	926.879	937.080
55.0	755.969	798.117	843.533	875.913	886.186
57.5	696.814	742.069	790.324	823.278	833.750
60.0	637.163	685.267	736.060	770.862	781.345
62.5	576.926	627.194	681.005	717.901	728.664
65.0	515.281	569.439	626.167	664.296	676.331
67.5	453.259	511.546	571.470	610.355	623.326
70.0	391.351	452.997	516.222	556.582	570.589
72.5	329.079	395.450	460.884	503.078	518.188
75.0	267.172	339.526	406.522	449.248	465.636
77.5	207.621	284.263	352.364	396.921	413.810
80.0	152.528	230.022	299.561	345.490	362.580
82.5	100.418	178.783	248.397	295.921	313.890
85.0	55.471	130.872	201.164	249.158	268.065
87.5	21.748	88.081	159.248	207.574	226.442
90.0	2.534	58.585	127.367	175.727	193.991
92.5	2.132	47.894	109.274	155.002	172.029
95.0	3.223	45.735	101.412	143.538	159.595
97.5	4.454	45.462	98.037	137.699	152.800
100.0	5.472	45.335	97.067	134.502	148.843
102.5	6.892	45.194	96.258	133.060	146.930
105.0	7.776	44.902	95.190	131.476	145.125
107.5	8.709	44.428	93.954	129.578	142.964
110.0	9.636	43.388	92.575	127.454	140.488
112.5	10.464	41.547	90.655	124.964	137.655
115.0	11.299	38.271	88.334	122.080	134.377
117.5	12.128	35.500	85.229	119.268	131.011
120.0	12.907	33.661	81.254	116.222	127.609
122.5	13.643	31.567	76.802	112.774	123.795
125.0	14.332	31.334	72.240	109.170	119.085
127.5	14.935	31.445	67.188	104.406	113.369
130.0	15.666	31.383	60.751	98.095	107.943
132.5	17.204	31.494	54.795	91.138	103.615

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW455L835-UNV-DIM.IES

CANDELA TABULATION - (Cont.)

135.0	18.619	32.067	52.115	85.299	100.513
137.5	20.111	32.717	49.150	77.843	95.935
140.0	21.586	33.464	45.722	69.393	88.825
142.5	23.077	34.104	45.310	63.304	81.289
145.0	24.643	34.778	45.432	57.554	75.596
147.5	26.216	35.187	45.162	51.914	67.352
150.0	27.639	35.309	44.533	49.795	61.224
152.5	28.964	35.641	43.958	47.823	58.360
155.0	30.256	35.998	43.451	45.056	55.486
157.5	31.556	36.014	42.814	42.872	51.857
160.0	32.734	36.040	42.034	40.906	47.977
162.5	34.013	36.234	40.883	38.853	44.097
165.0	35.488	36.757	40.007	36.775	40.237
167.5	36.363	36.919	38.838	35.185	32.536
170.0	36.755	37.007	37.796	34.159	22.218
172.5	37.467	37.590	37.418	32.927	20.962
175.0	38.141	38.135	37.556	32.461	20.101
177.5	38.521	38.608	37.752	32.680	19.903
180.0	34.696	34.696	34.696	34.696	34.696

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW455L835-UNV-DIM.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	560.52	N.A.	10.80
0-30	1192.44	N.A.	23.00
0-40	1957.5	N.A.	37.80
0-60	3506.49	N.A.	67.70
0-80	4527.29	N.A.	87.40
0-90	4734.95	N.A.	91.40
10-90	4590.2	N.A.	88.60
20-40	1396.98	N.A.	27.00
20-50	2199.72	N.A.	42.50
40-70	2156.82	N.A.	41.60
60-80	1020.81	N.A.	19.70
70-80	412.98	N.A.	8.00
80-90	207.66	N.A.	4.00
90-110	196.81	N.A.	3.80
90-120	276.54	N.A.	5.30
90-130	339.06	N.A.	6.50
90-150	412.92	N.A.	8.00
90-180	446.31	N.A.	8.60
110-180	249.51	N.A.	4.80
0-180	5181.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.75
10-20	415.78
20-30	631.92
30-40	765.06
40-50	802.75
50-60	746.24
60-70	607.83
70-80	412.98
80-90	207.66
90-100	104.92
100-110	91.89
110-120	79.73
120-130	62.52
130-140	44.29
140-150	29.57
150-160	19.39
160-170	10.72
170-180	3.28

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW455L835-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	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	74
2	96	87	80	73	92	84	78	72	79	74	69	75	70	66	70	67	63	61	61
3	87	76	67	61	84	74	66	59	69	63	57	65	60	55	62	57	53	51	51
4	79	67	58	51	76	65	57	50	61	54	48	58	52	47	55	50	45	43	43
5	73	60	50	44	70	58	49	43	55	47	42	52	46	40	49	44	39	37	37
6	67	54	44	38	65	52	44	37	49	42	36	47	40	35	45	39	34	32	32
7	62	48	40	33	60	47	39	33	45	37	32	43	36	31	41	35	30	28	28
8	58	44	36	30	56	43	35	29	41	34	29	39	33	28	37	32	27	25	25
9	54	40	32	27	52	40	32	26	38	31	26	36	30	25	34	29	25	23	23
10	51	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20	20

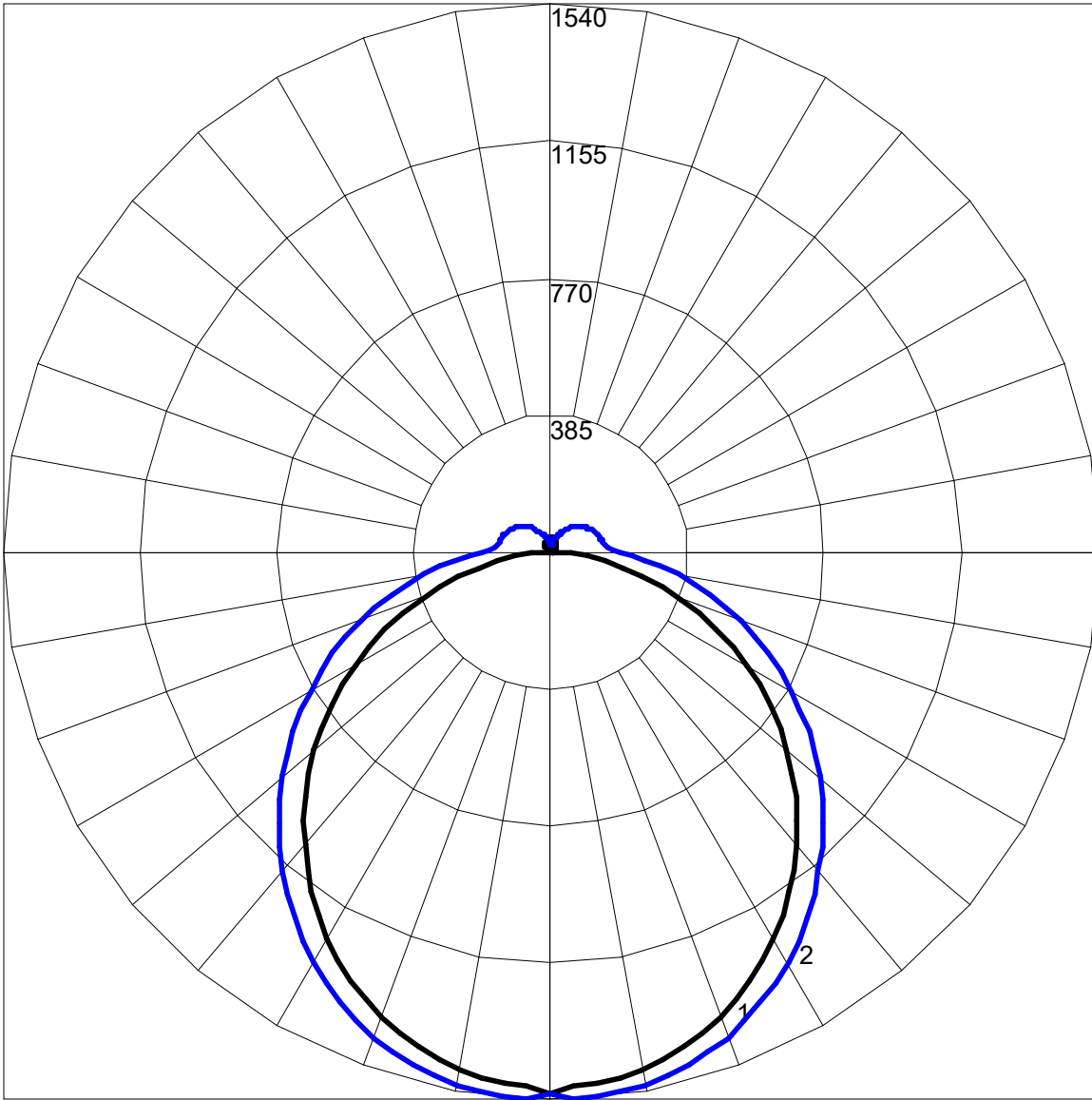
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSW455L835-UNV-DIM.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	18.2	19.7	18.7	20.2	20.7	20.0	21.4	20.5	21.9	22.5
	3H	19.7	21.1	20.2	21.6	22.1	22.2	23.5	22.7	24.0	24.6
	4H	20.2	21.5	20.7	22.0	22.6	23.2	24.5	23.7	25.0	25.6
	6H	20.5	21.6	21.0	22.2	22.8	24.1	25.3	24.7	25.9	26.5
	8H	20.5	21.6	21.1	22.2	22.8	24.6	25.7	25.1	26.3	26.9
	12H	20.5	21.6	21.1	22.2	22.8	25.0	26.1	25.6	26.7	27.3
4H	2H	19.0	20.3	19.6	20.8	21.4	20.4	21.7	20.9	22.2	22.8
	3H	20.8	21.8	21.3	22.4	23.0	22.8	23.9	23.4	24.5	25.1
	4H	21.4	22.4	21.9	22.9	23.6	24.0	25.0	24.6	25.5	26.2
	6H	21.8	22.6	22.4	23.2	23.9	25.1	26.0	25.7	26.6	27.2
	8H	21.9	22.7	22.5	23.3	23.9	25.6	26.4	26.2	27.0	27.7
	12H	21.9	22.6	22.5	23.3	23.9	26.2	26.9	26.8	27.5	28.2
8H	4H	21.9	22.7	22.5	23.3	24.0	24.2	25.0	24.8	25.6	26.2
	6H	22.4	23.1	23.1	23.8	24.4	25.4	26.1	26.0	26.7	27.4
	8H	22.6	23.2	23.3	23.9	24.6	26.1	26.7	26.7	27.3	28.0
	12H	22.7	23.3	23.3	23.9	24.6	26.7	27.3	27.4	27.9	28.7
12H	4H	22.0	22.7	22.6	23.4	24.0	24.2	24.9	24.8	25.5	26.2
	6H	22.6	23.2	23.3	23.9	24.6	25.5	26.1	26.1	26.7	27.4
	8H	22.8	23.4	23.5	24.0	24.8	26.1	26.7	26.8	27.3	28.1

Maximum UGR = 28.7

POLAR GRAPH



Maximum Candela = 1540.368 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)