

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FSX460L840-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38882.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 12/13/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] FSX460L840-UNV-DIM
[LUMINAIRE] 4' FSX FLUXSTREAM SEALED STRIP
[MORE] 2-LINEP 2.40L7 4000K BOARDS 54W DRIVER 6.34K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 6025 LUMENS
[TEST DATE] 12/13/17
[LM79] Absolute Photometry tested in accordance with IES procedure LM79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	51.9
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.90 ft
Luminous Width (90-270)	0.19 ft
Luminous Height	0.12 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20106	15613	14994
55	18992	14191	13912
65	16107	12897	13006
75	12966	11774	12332
85	6492	10282	11925

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2
2.5	1517.1	1533.3	1544.5	1555.1	1553.7	1555.1	1544.5	1533.3	1515.7	1531.9
5.0	1512.3	1529.0	1540.8	1552.6	1550.8	1552.6	1540.8	1529.0	1509.8	1525.9
7.5	1504.2	1521.3	1534.4	1547.4	1546.0	1547.4	1534.4	1521.3	1500.4	1516.5
10.0	1493.1	1510.3	1525.1	1537.9	1539.0	1537.9	1525.1	1510.3	1487.6	1504.2
12.5	1478.5	1495.3	1513.0	1527.8	1528.0	1527.8	1513.0	1495.3	1471.4	1488.2
15.0	1460.4	1477.7	1496.7	1514.4	1514.1	1514.4	1496.7	1477.7	1451.3	1469.2
17.5	1439.0	1456.0	1478.1	1497.2	1498.8	1497.2	1478.1	1456.0	1428.3	1446.8
20.0	1414.6	1431.8	1457.2	1479.3	1480.4	1479.3	1457.2	1431.8	1402.5	1421.6
22.5	1386.5	1405.5	1432.7	1456.2	1459.0	1456.2	1432.7	1405.5	1373.7	1393.3
25.0	1355.7	1376.4	1405.3	1432.0	1436.2	1432.0	1405.3	1376.4	1341.7	1362.2
27.5	1321.4	1344.1	1376.0	1405.2	1409.2	1405.2	1376.0	1344.1	1306.9	1328.3
30.0	1284.6	1309.0	1346.2	1378.2	1379.0	1378.2	1346.2	1309.0	1269.3	1292.7
32.5	1244.7	1271.3	1313.8	1348.7	1354.4	1348.7	1313.8	1271.3	1229.1	1254.4
35.0	1202.2	1230.5	1277.3	1316.4	1325.1	1316.4	1277.3	1230.5	1186.2	1214.2
37.5	1158.2	1187.7	1238.8	1283.7	1293.5	1283.7	1238.8	1187.7	1140.8	1171.3
40.0	1111.6	1142.2	1199.8	1248.7	1260.7	1248.7	1199.8	1142.2	1093.1	1126.0
42.5	1062.0	1094.4	1159.6	1213.0	1226.5	1213.0	1159.6	1094.4	1042.9	1078.3
45.0	1009.8	1045.2	1117.0	1175.6	1192.0	1175.6	1117.0	1045.2	990.8	1028.7
47.5	955.6	993.8	1072.8	1137.7	1156.3	1137.7	1072.8	993.8	936.7	977.7
50.0	900.0	940.7	1027.4	1099.1	1119.4	1099.1	1027.4	940.7	880.4	924.9
52.5	842.4	886.4	981.8	1059.7	1082.7	1059.7	981.8	886.4	822.0	870.7
55.0	783.6	832.2	936.0	1019.7	1045.8	1019.7	936.0	832.2	761.8	815.6
57.5	723.2	777.2	891.2	980.4	1007.8	980.4	891.2	777.2	700.2	759.8
60.0	661.3	721.6	846.0	940.8	969.7	940.8	846.0	721.6	637.4	703.8
62.5	598.1	665.3	799.7	900.9	931.2	900.9	799.7	665.3	546.7	647.4
65.0	500.0	609.6	752.8	859.3	891.7	859.3	752.8	609.6	475.7	591.1
67.5	439.0	519.5	708.0	819.4	853.0	819.4	708.0	519.5	414.3	501.6
70.0	377.7	468.5	663.5	779.9	815.2	779.9	663.5	468.5	352.9	451.0
72.5	317.3	419.4	619.7	740.4	777.1	740.4	619.7	419.4	291.8	401.6
75.0	257.8	371.7	577.0	701.2	738.3	701.2	577.0	371.7	231.8	354.4
77.5	200.1	326.3	501.1	662.8	699.7	662.8	501.1	326.3	174.7	310.4
80.0	145.0	283.3	462.8	624.7	661.5	624.7	462.8	283.3	121.3	269.2
82.5	94.9	243.2	426.1	587.6	625.0	587.6	426.1	243.2	74.1	231.1
85.0	52.7	206.9	392.3	516.4	588.6	516.4	392.3	206.9	36.3	196.9
87.5	21.9	175.1	359.6	482.2	517.1	482.2	359.6	175.1	12.5	166.7
90.0	7.5	146.5	327.9	449.1	483.7	449.1	327.9	146.5	6.4	140.3
92.5	6.5	122.0	297.6	416.7	450.7	416.7	297.6	122.0	6.2	118.2
95.0	6.4	101.2	268.9	385.2	418.6	385.2	268.9	101.2	6.1	99.6
97.5	6.4	84.2	242.3	355.2	387.9	355.2	242.3	84.2	6.1	83.8
100.0	6.4	70.2	217.8	326.5	358.5	326.5	217.8	70.2	6.1	71.0
102.5	6.3	59.4	195.2	299.1	329.8	299.1	195.2	59.4	6.0	60.3
105.0	6.2	49.4	174.2	272.5	301.8	272.5	174.2	49.4	6.1	51.6
107.5	6.2	42.2	154.6	247.3	274.6	247.3	154.6	42.2	6.1	44.2
110.0	6.2	36.2	136.6	223.6	249.0	223.6	136.6	36.2	6.1	37.0
112.5	6.2	31.3	120.8	201.3	224.7	201.3	120.8	31.3	6.0	33.0
115.0	6.1	27.4	106.2	180.3	201.9	180.3	106.2	27.4	6.0	28.5
117.5	6.1	24.0	93.5	161.0	180.9	161.0	93.5	24.0	5.9	24.3
120.0	6.1	21.2	82.2	143.0	161.0	143.0	82.2	21.2	5.9	20.4
122.5	6.1	18.8	72.2	126.3	142.6	126.3	72.2	18.8	5.8	17.2
125.0	6.2	14.9	63.2	111.0	125.9	111.0	63.2	14.9	5.8	13.8
127.5	6.2	13.6	55.2	97.1	110.7	97.1	55.2	13.6	5.8	12.3
130.0	6.3	12.4	48.0	85.1	96.7	85.1	48.0	12.4	5.8	11.2
132.5	6.4	11.3	41.8	74.2	84.1	74.2	41.8	11.3	5.8	10.2

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSX460L840-UNV.IES

CANDELA TABULATION - (Cont.)

135.0	6.5	10.6	36.4	64.5	72.7	64.5	36.4	10.6	5.8	9.6
137.5	6.7	9.9	31.8	55.6	62.5	55.6	31.8	9.9	5.9	9.0
140.0	6.8	9.4	27.2	47.5	53.4	47.5	27.2	9.4	5.9	8.5
142.5	6.9	9.0	20.5	40.3	45.3	40.3	20.5	9.0	5.9	8.1
145.0	7.0	8.7	18.0	34.2	38.0	34.2	18.0	8.7	6.0	7.7
147.5	7.1	8.4	15.9	26.5	31.7	26.5	15.9	8.4	6.1	7.5
150.0	7.2	8.1	13.8	20.6	22.4	20.6	13.8	8.1	6.2	7.2
152.5	7.2	7.9	12.2	17.2	17.8	17.2	12.2	7.9	6.3	7.1
155.0	7.3	7.8	10.9	13.9	14.7	13.9	10.9	7.8	6.4	7.0
157.5	7.3	7.6	9.7	11.8	12.8	11.8	9.7	7.6	6.5	6.9
160.0	7.4	7.6	8.9	10.5	10.5	10.5	8.9	7.6	6.6	6.9
162.5	7.4	7.5	8.3	9.4	9.4	9.4	8.3	7.5	6.6	6.8
165.0	7.4	7.5	7.9	8.5	8.0	8.5	7.9	7.5	6.7	6.9
167.5	7.4	7.4	7.6	7.8	7.3	7.8	7.6	7.4	6.8	6.9
170.0	7.4	7.3	7.4	7.4	7.1	7.4	7.4	7.3	6.9	6.9
172.5	7.3	7.3	7.2	7.1	7.0	7.1	7.2	7.3	7.0	7.1
175.0	7.3	7.3	7.2	7.1	6.9	7.1	7.2	7.3	7.2	7.1
177.5	7.3	7.2	7.1	7.0	6.8	7.0	7.1	7.2	7.2	7.2
180.0	7.3	7.2	7.1	6.9	6.8	6.9	7.1	7.2	7.3	7.2

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2	1540.2
2.5	1542.6	1554.2	1554.8	1554.2	1542.6	1531.9	1517.1
5.0	1537.3	1549.5	1549.3	1549.5	1537.3	1525.9	1512.3
7.5	1528.9	1541.7	1542.1	1541.7	1528.9	1516.5	1504.2
10.0	1517.5	1531.9	1534.0	1531.9	1517.5	1504.2	1493.1
12.5	1503.9	1519.3	1521.5	1519.3	1503.9	1488.2	1478.5
15.0	1487.0	1503.5	1507.0	1503.5	1487.0	1469.2	1460.4
17.5	1466.5	1485.4	1489.5	1485.4	1466.5	1446.8	1439.0
20.0	1442.4	1465.0	1469.7	1465.0	1442.4	1421.6	1414.6
22.5	1417.5	1441.2	1448.4	1441.2	1417.5	1393.3	1386.5
25.0	1390.2	1415.9	1425.2	1415.9	1390.2	1362.2	1355.7
27.5	1359.7	1389.1	1399.4	1389.1	1359.7	1328.3	1321.4
30.0	1328.1	1361.3	1372.4	1361.3	1328.1	1292.7	1284.6
32.5	1295.0	1330.8	1345.1	1330.8	1295.0	1254.4	1244.7
35.0	1259.9	1300.2	1314.8	1300.2	1259.9	1214.2	1202.2
37.5	1222.2	1267.4	1283.5	1267.4	1222.2	1171.3	1158.2
40.0	1183.6	1232.9	1251.2	1232.9	1183.6	1126.0	1111.6
42.5	1142.1	1196.9	1218.0	1196.9	1142.1	1078.3	1062.0
45.0	1099.4	1160.4	1183.7	1160.4	1099.4	1028.7	1009.8
47.5	1056.2	1122.8	1148.5	1122.8	1056.2	977.7	955.6
50.0	1011.5	1084.6	1113.0	1084.6	1011.5	924.9	900.0
52.5	966.7	1046.1	1077.5	1046.1	966.7	870.7	842.4
55.0	921.8	1008.2	1041.4	1008.2	921.8	815.6	783.6
57.5	876.2	969.4	1005.1	969.4	876.2	759.8	723.2
60.0	831.2	930.8	969.2	930.8	831.2	703.8	661.3
62.5	786.2	892.3	932.5	892.3	786.2	647.4	598.1
65.0	741.4	854.1	895.1	854.1	741.4	591.1	500.0
67.5	697.0	814.6	859.3	814.6	697.0	501.6	439.0
70.0	653.4	777.6	823.7	777.6	653.4	451.0	377.7
72.5	610.6	740.3	787.2	740.3	610.6	401.6	317.3
75.0	532.8	703.1	750.9	703.1	532.8	354.4	257.8
77.5	495.6	666.2	714.8	666.2	495.6	310.4	200.1
80.0	459.6	630.4	679.5	630.4	459.6	269.2	145.0

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CANDELA TABULATION - (Cont.)

82.5	425.1	595.0	644.0	595.0	425.1	231.1	94.9
85.0	391.8	523.9	609.4	523.9	391.8	196.9	52.7
87.5	359.7	491.3	570.2	491.3	359.7	166.7	21.9
90.0	329.2	460.0	506.4	460.0	329.2	140.3	7.5
92.5	301.3	430.1	475.6	430.1	301.3	118.2	6.5
95.0	275.4	401.2	445.6	401.2	275.4	99.6	6.4
97.5	250.5	373.7	416.2	373.7	250.5	83.8	6.4
100.0	226.8	346.4	387.5	346.4	226.8	71.0	6.4
102.5	204.9	319.8	359.9	319.8	204.9	60.3	6.3
105.0	184.5	294.4	333.0	294.4	184.5	51.6	6.2
107.5	165.8	270.7	307.3	270.7	165.8	44.2	6.2
110.0	148.5	247.5	282.6	247.5	148.5	37.0	6.2
112.5	132.6	225.3	258.9	225.3	132.6	33.0	6.2
115.0	118.2	204.1	236.1	204.1	118.2	28.5	6.1
117.5	104.8	184.1	214.0	184.1	104.8	24.3	6.1
120.0	92.7	165.2	193.3	165.2	92.7	20.4	6.1
122.5	79.1	148.0	174.6	148.0	79.1	17.2	6.1
125.0	67.3	132.3	156.5	132.3	67.3	13.8	6.2
127.5	57.1	117.3	139.5	117.3	57.1	12.3	6.2
130.0	48.4	103.6	123.7	103.6	48.4	11.2	6.3
132.5	38.3	91.1	109.1	91.1	38.3	10.2	6.4
135.0	32.9	79.4	95.6	79.4	32.9	9.6	6.5
137.5	28.3	66.7	83.4	66.7	28.3	9.0	6.7
140.0	24.3	55.3	72.2	55.3	24.3	8.5	6.8
142.5	17.0	44.9	61.9	44.9	17.0	8.1	6.9
145.0	14.9	36.6	52.7	36.6	14.9	7.7	7.0
147.5	13.5	29.8	44.6	29.8	13.5	7.5	7.1
150.0	12.2	19.7	37.2	19.7	12.2	7.2	7.2
152.5	11.0	15.8	25.4	15.8	11.0	7.1	7.2
155.0	10.0	13.2	21.1	13.2	10.0	7.0	7.3
157.5	9.3	11.2	17.7	11.2	9.3	6.9	7.3
160.0	8.5	9.8	14.5	9.8	8.5	6.9	7.4
162.5	7.9	8.8	12.1	8.8	7.9	6.8	7.4
165.0	7.5	8.1	10.3	8.1	7.5	6.9	7.4
167.5	7.2	7.5	8.8	7.5	7.2	6.9	7.4
170.0	7.1	7.1	7.8	7.1	7.1	6.9	7.4
172.5	7.1	7.0	7.0	7.0	7.1	7.1	7.3
175.0	7.1	6.9	6.8	6.9	7.1	7.1	7.3
177.5	7.0	6.9	6.8	6.9	7.0	7.2	7.3
180.0	7.1	6.9	6.8	6.9	7.1	7.2	7.3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	566.65	N.A.	9.40
0-30	1210.03	N.A.	20.10
0-40	2001.37	N.A.	33.20
0-60	3674.41	N.A.	61.00
0-80	4950.13	N.A.	82.20
0-90	5346.75	N.A.	88.70
10-90	5200.61	N.A.	86.30
20-40	1434.72	N.A.	23.80
20-50	2285.4	N.A.	37.90
40-70	2388.73	N.A.	39.60
60-80	1275.71	N.A.	21.20
70-80	560.03	N.A.	9.30
80-90	396.63	N.A.	6.60
90-110	449.96	N.A.	7.50
90-120	561.38	N.A.	9.30
90-130	624.09	N.A.	10.40
90-150	669.84	N.A.	11.10
90-180	678.08	N.A.	11.30
110-180	228.11	N.A.	3.80
0-180	6024.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.14
10-20	420.51
20-30	643.38
30-40	791.34
40-50	850.67
50-60	822.37
60-70	715.69
70-80	560.03
80-90	396.63
90-100	270.14
100-110	179.82
110-120	111.41
120-130	62.71
130-140	31.87
140-150	13.88
150-160	5.29
160-170	2.27
170-180	0.68

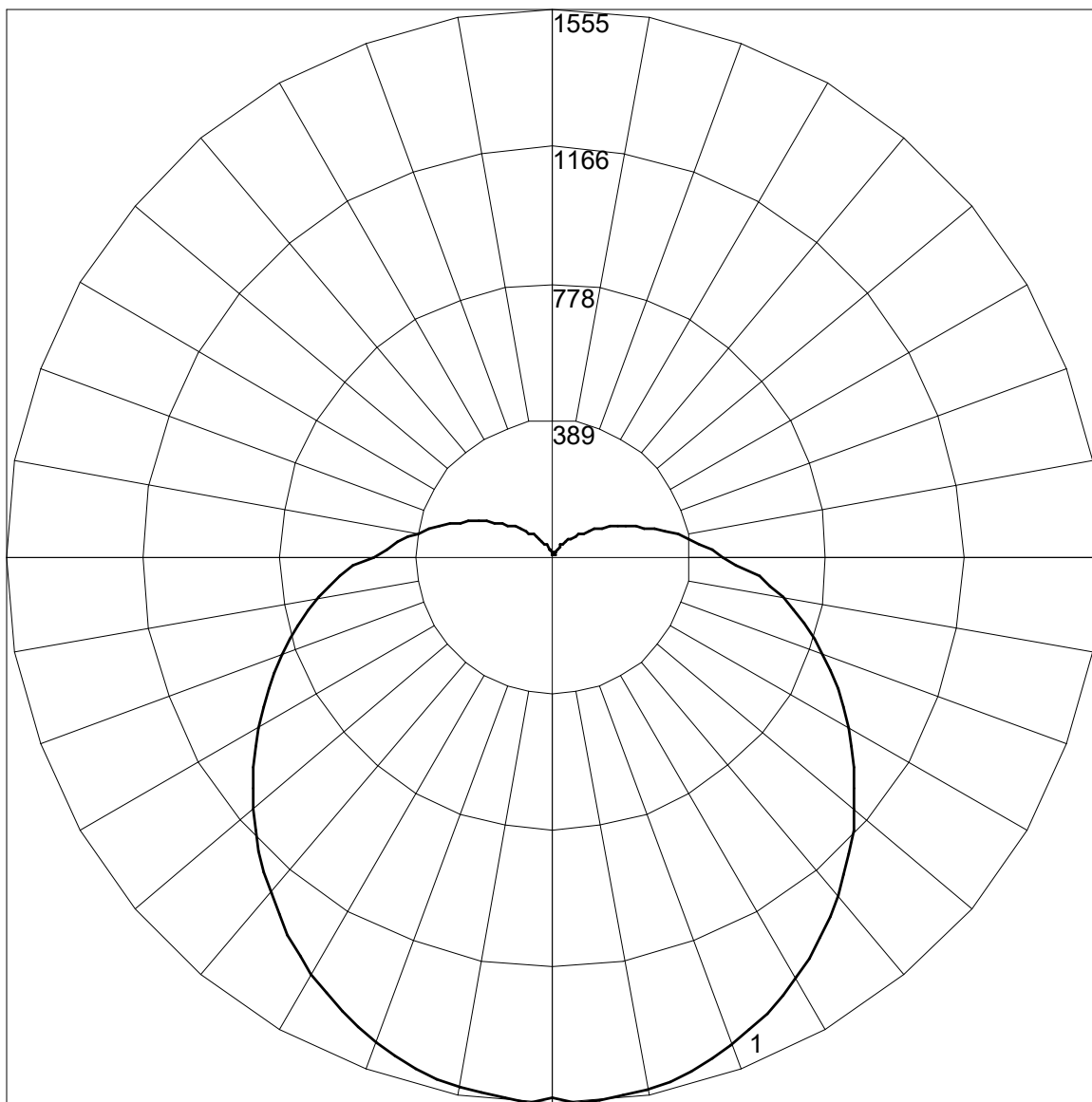
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FSX460L840-UNV.IES

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	104	98	93	88	100	94	90	85	88	84	81	82	79	76	77	74	72	69
2	93	84	76	70	89	81	74	68	76	70	65	71	66	62	66	62	59	56
3	85	73	64	57	81	71	62	56	66	59	53	62	56	51	58	53	49	46
4	77	64	55	48	74	62	53	47	58	51	45	54	48	43	51	46	41	39
5	71	57	48	41	68	55	46	40	52	44	38	49	42	37	46	40	36	33
6	65	51	42	35	62	50	41	35	47	39	33	44	37	32	41	35	31	29
7	60	46	37	31	58	45	36	30	42	35	29	40	33	28	38	32	27	25
8	56	42	33	27	54	41	33	27	39	31	26	36	30	25	34	29	24	22
9	52	39	30	24	50	37	30	24	35	28	23	34	27	23	32	26	22	20
10	49	35	27	22	47	35	27	22	33	26	21	31	25	20	30	24	20	18

POLAR GRAPH



Maximum Candela = 1555.1 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)