



The Perfect Lighting Choice.™

visit us at www.JDG.com

IES INDOOR REPORT

PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLI-18210-1

[TESTLAB] LightLab International (www.LightLabInternational.com)

[MANUFAC] Justice Design Group, Los Angeles, CA 90071

[LUMCAT] Textile Woven Fabric (FAB) - Cream (CREM) 18" Drum Pendant

[LUMINAIRE] Justice Design Group - Pendant mount luminaire. Product ID: FAB CREM 18" Drum Pendant

[MORE] Metal support structure and white plastic/fabric drum with diffuse white plastic bottom lens.

[MORE] 40 LEDs in four lamps each with 10 LEDs mounted in circular array and plastic dome lens

[MORE] No driver.

[MORE] Operating at 120 VAC and 60 Hz.

[OTHER] Absolute test - lamp lumens value set to -1

[MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.

[MORE] The sample was tested at a distance of 8m.

[MORE] This IES file created by LightLab/LSA Report program version 3.820a.

[DATE] This file created: Monday, August 6, 2018 4:22:11 PM

[ISSUEDATE] Monday, August 6, 2018 4:22:11 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2385
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	30.2
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.46 m (Diameter)
Luminous Width (90-270)	0.46 m (Diameter)
Luminous Height	0.15 m

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	966	966	966
55	851	851	851
65	712	712	712
75	541	541	541
85	319	319	319

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

CANDELA TABULATION

	<u>0</u>
0.0	227.28
0.5	227.33
1.0	227.29
1.5	227.23
2.0	227.24
2.5	227.08
3.0	226.93
3.5	226.84
4.0	226.76
4.5	226.57
5.0	226.41
5.5	226.25
6.0	226.06
6.5	225.90
7.0	225.61
7.5	225.36
8.0	225.09
8.5	224.80
9.0	224.54
9.5	224.18
10.0	223.87
10.5	223.46
11.0	223.12
11.5	222.75
12.0	222.30
12.5	221.87
13.0	221.46
13.5	221.00
14.0	220.55
14.5	220.01
15.0	219.51
15.5	218.97
16.0	218.45
16.5	217.90
17.0	217.33
17.5	217.03
18.0	216.73
18.5	216.43
19.0	216.01
19.5	215.59
20.0	215.08
20.5	214.51
21.0	213.93
21.5	213.28
22.0	212.45
22.5	211.64
23.0	210.78
23.5	209.92
24.0	208.99
24.5	208.14
25.0	207.17
25.5	206.26
26.0	205.29
26.5	204.30

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

CANDELA TABULATION - (Cont.)

27.0	203.31
27.5	202.27
28.0	201.20
28.5	200.16
29.0	199.11
29.5	198.04
30.0	196.91
30.5	195.78
31.0	194.71
31.5	193.63
32.0	192.52
32.5	191.30
33.0	190.13
33.5	189.00
34.0	187.81
34.5	186.62
35.0	185.41
35.5	184.16
36.0	182.94
36.5	181.73
37.0	180.54
37.5	179.18
38.0	177.98
38.5	176.65
39.0	175.36
39.5	173.97
40.0	172.69
40.5	171.29
41.0	170.00
41.5	168.58
42.0	167.24
42.5	165.87
43.0	164.43
43.5	163.04
44.0	161.60
44.5	160.13
45.0	158.69
45.5	157.27
46.0	155.77
46.5	154.36
47.0	152.84
47.5	151.33
48.0	149.78
48.5	148.30
49.0	146.70
49.5	145.18
50.0	143.69
50.5	142.04
51.0	140.47
51.5	138.88
52.0	137.32
52.5	135.70
53.0	134.10
53.5	132.48
54.0	130.86
54.5	129.22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

CANDELA TABULATION - (Cont.)

55.0	127.58
55.5	125.89
56.0	124.24
56.5	122.54
57.0	120.93
57.5	119.17
58.0	117.53
58.5	115.83
59.0	114.14
59.5	112.45
60.0	110.72
60.5	108.99
61.0	107.29
61.5	105.53
62.0	103.80
62.5	102.05
63.0	100.30
63.5	98.63
64.0	96.87
64.5	95.11
65.0	93.34
65.5	91.61
66.0	89.80
66.5	88.07
67.0	86.32
67.5	84.59
68.0	82.92
68.5	81.07
69.0	79.32
69.5	77.58
70.0	75.83
70.5	74.09
71.0	72.35
71.5	70.58
72.0	68.81
72.5	67.19
73.0	65.44
73.5	63.74
74.0	61.97
74.5	60.29
75.0	58.60
75.5	56.88
76.0	55.18
76.5	53.48
77.0	51.79
77.5	50.17
78.0	48.49
78.5	46.86
79.0	45.20
79.5	43.56
80.0	41.91
80.5	40.33
81.0	38.65
81.5	37.09
82.0	35.52
82.5	33.91

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES**

CANDELA TABULATION - (Cont.)

83.0	32.37
83.5	30.78
84.0	29.22
84.5	27.69
85.0	26.20
85.5	24.69
86.0	23.29
86.5	21.80
87.0	20.43
87.5	19.04
88.0	17.76
88.5	16.59
89.0	15.70
89.5	15.29
90.0	15.20
90.5	15.19
91.0	16.14
91.5	18.43
92.0	20.85
92.5	23.07
93.0	25.37
93.5	27.77
94.0	30.28
94.5	32.94
95.0	35.65
95.5	38.51
96.0	41.40
96.5	44.31
97.0	47.37
97.5	50.36
98.0	53.40
98.5	56.54
99.0	59.79
99.5	62.84
100.0	66.09
100.5	69.35
101.0	72.56
101.5	75.82
102.0	79.07
102.5	82.48
103.0	86.14
103.5	90.00
104.0	94.28
104.5	99.02
105.0	103.92
105.5	108.84
106.0	113.84
106.5	118.85
107.0	124.03
107.5	129.16
108.0	134.52
108.5	139.61
109.0	145.03
109.5	150.56
110.0	156.24
110.5	162.15

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

CANDELA TABULATION - (Cont.)

111.0	167.98
111.5	173.98
112.0	179.90
112.5	185.96
113.0	191.92
113.5	198.05
114.0	204.00
114.5	209.93
115.0	215.75
115.5	221.24
116.0	227.03
116.5	232.98
117.0	239.33
117.5	245.74
118.0	252.48
118.5	259.47
119.0	266.57
119.5	273.78
120.0	280.92
120.5	288.19
121.0	295.31
121.5	302.49
122.0	309.35
122.5	316.36
123.0	322.98
123.5	329.32
124.0	335.55
124.5	341.34
125.0	346.98
125.5	352.09
126.0	356.98
126.5	361.49
127.0	365.77
127.5	369.92
128.0	373.98
128.5	377.94
129.0	381.73
129.5	385.54
130.0	389.12
130.5	392.66
131.0	396.16
131.5	399.54
132.0	402.91
132.5	406.12
133.0	409.36
133.5	412.52
134.0	415.65
134.5	418.68
135.0	421.51
135.5	424.10
136.0	426.77
136.5	429.39
137.0	431.98
137.5	434.62
138.0	437.17
138.5	439.79

**IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES**

CANDELA TABULATION - (Cont.)

139.0	442.23
139.5	444.71
140.0	447.14
140.5	449.51
141.0	451.84
141.5	454.18
142.0	456.51
142.5	458.67
143.0	460.77
143.5	462.73
144.0	464.61
144.5	466.33
145.0	467.95
145.5	469.49
146.0	471.02
146.5	472.41
147.0	473.64
147.5	474.81
148.0	475.82
148.5	476.81
149.0	477.66
149.5	478.42
150.0	479.16
150.5	479.67
151.0	480.29
151.5	480.73
152.0	481.04
152.5	481.32
153.0	481.57
153.5	481.83
154.0	481.94
154.5	482.10
155.0	482.21
155.5	482.27
156.0	482.31
156.5	482.39
157.0	482.28
157.5	481.82
158.0	480.92
158.5	479.69
159.0	478.23
159.5	476.57
160.0	474.59
160.5	472.40
161.0	470.40
161.5	468.51
162.0	466.62
162.5	464.93
163.0	463.15
163.5	461.36
164.0	459.51
164.5	457.53
165.0	455.38
165.5	452.84
166.0	449.46
166.5	443.73

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

CANDELA TABULATION - (Cont.)

167.0	435.94
167.5	425.33
168.0	412.84
168.5	403.36
169.0	396.52
169.5	389.81
170.0	382.51
170.5	373.35
171.0	363.64
171.5	354.90
172.0	346.69
172.5	337.77
173.0	328.27
173.5	317.57
174.0	307.01
174.5	297.68
175.0	289.34
175.5	279.94
176.0	270.81
176.5	259.41
177.0	246.41
177.5	232.32
178.0	214.13
178.5	192.92
179.0	167.18
179.5	142.36
180.0	126.72

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	83.61	N.A.	3.50
0-30	179.08	N.A.	7.50
0-40	295.12	N.A.	12.40
0-60	531.59	N.A.	22.30
0-80	685.92	N.A.	28.80
0-90	715.06	N.A.	30.00
10-90	693.53	N.A.	29.10
20-40	211.51	N.A.	8.90
20-50	333.95	N.A.	14.00
40-70	328.87	N.A.	13.80
60-80	154.33	N.A.	6.50
70-80	61.94	N.A.	2.60
80-90	29.14	N.A.	1.20
90-110	152.54	N.A.	6.40
90-120	366.46	N.A.	15.40
90-130	672.68	N.A.	28.20
90-150	1289.98	N.A.	54.10
90-180	1670.13	N.A.	70.00
110-180	1517.59	N.A.	63.60
0-180	2385.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	21.53
10-20	62.08
20-30	95.47
30-40	116.03
40-50	122.45
50-60	114.02
60-70	92.40
70-80	61.94
80-90	29.14
90-100	40.34
100-110	112.20
110-120	213.92
120-130	306.22
130-140	324.78
140-150	292.52
150-160	222.58
160-170	127.19
170-180	30.39

IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.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	
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	93	88	85	81	83	79	76	73	62	60	58	47	45	44	33	32	31	24
2	84	77	71	66	75	69	64	60	54	51	48	41	38	36	28	27	26	20
3	77	67	60	54	68	61	54	49	48	43	40	36	33	30	25	23	22	17
4	70	59	52	46	62	53	47	42	42	37	34	32	29	26	22	20	18	14
5	64	53	45	39	57	47	41	35	38	33	29	28	25	22	20	18	16	12
6	59	47	39	33	53	42	36	31	34	29	25	26	22	19	18	16	14	11
7	54	42	34	29	48	38	31	27	30	25	22	23	20	17	16	14	12	9
8	50	38	31	25	45	35	28	23	28	23	19	21	18	15	15	13	11	8
9	47	35	27	22	42	31	25	21	25	20	17	19	16	13	14	11	10	7
10	43	32	25	20	39	29	23	18	23	18	15	18	14	12	13	10	9	7

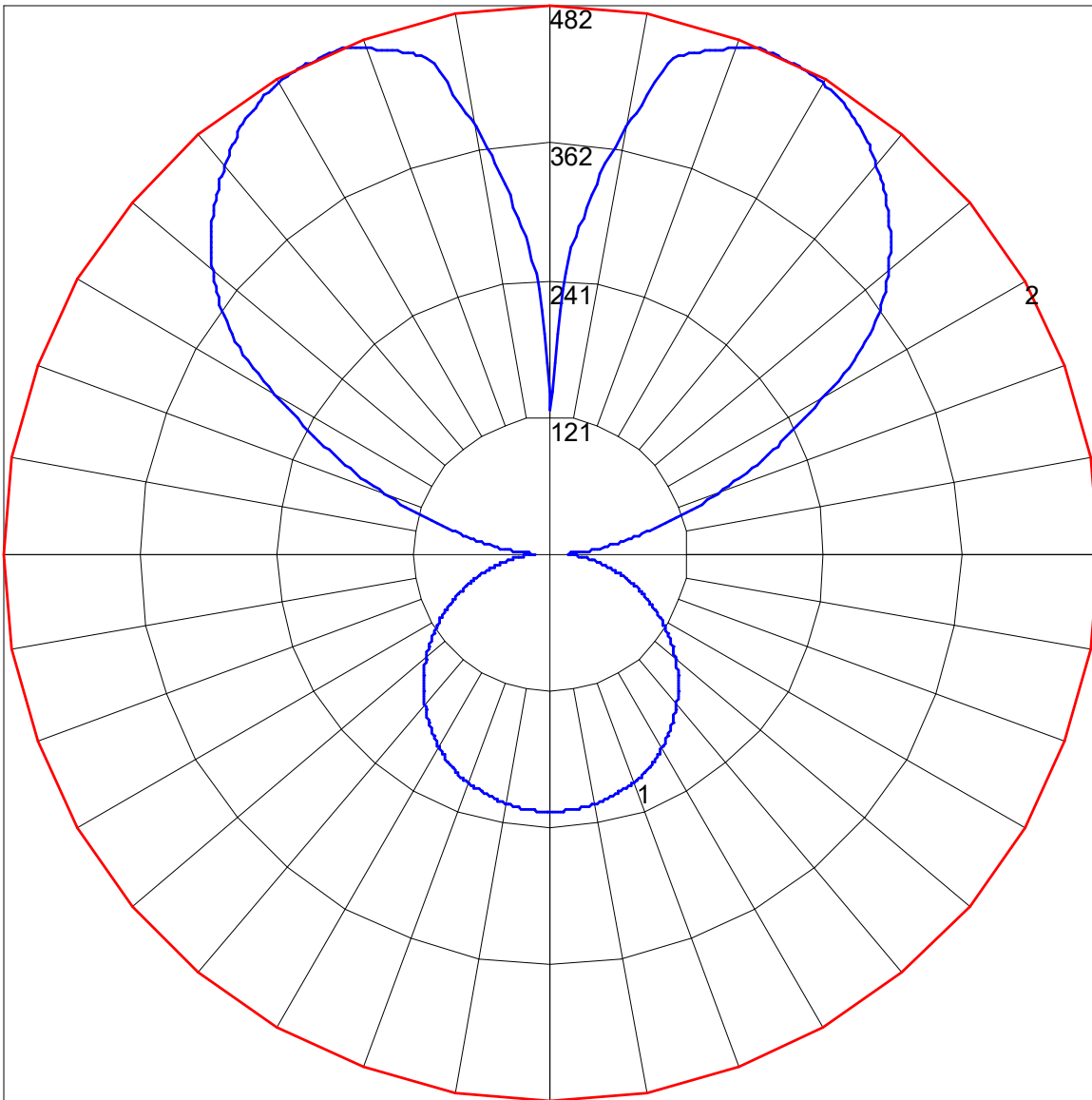
IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB CREM 18 DRUM.IES

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	4.6	5.4	5.7	6.5	8.0	4.6	5.4	5.7	6.5	8.0
	3H	6.4	7.0	7.5	8.2	9.7	6.4	7.0	7.5	8.2	9.7
	4H	7.0	7.7	8.2	8.8	10.3	7.0	7.7	8.2	8.8	10.3
	6H	7.6	8.1	8.7	9.2	10.8	7.6	8.1	8.7	9.2	10.8
	8H	7.7	8.3	8.9	9.4	11.0	7.7	8.3	8.9	9.4	11.0
	12H	7.9	8.4	9.0	9.5	11.1	7.9	8.4	9.0	9.5	11.1
4H	2H	5.1	5.7	6.2	6.8	8.4	5.1	5.7	6.2	6.8	8.4
	3H	7.1	7.6	8.2	8.7	10.3	7.1	7.6	8.2	8.7	10.3
	4H	7.8	8.3	9.0	9.4	11.0	7.8	8.3	9.0	9.4	11.0
	6H	8.5	8.9	9.6	10.0	11.6	8.5	8.9	9.6	10.0	11.6
	8H	8.7	9.1	9.9	10.2	11.8	8.7	9.1	9.9	10.2	11.8
	12H	8.9	9.2	10.0	10.4	12.0	8.9	9.2	10.0	10.4	12.0
8H	4H	8.1	8.4	9.2	9.6	11.2	8.1	8.4	9.2	9.6	11.2
	6H	8.8	9.2	10.0	10.3	11.9	8.8	9.2	10.0	10.3	11.9
	8H	9.2	9.4	10.3	10.6	12.2	9.2	9.4	10.3	10.6	12.2
	12H	9.4	9.7	10.6	10.8	12.5	9.4	9.7	10.6	10.8	12.5
12H	4H	8.1	8.4	9.2	9.6	11.2	8.1	8.4	9.2	9.6	11.2
	6H	8.9	9.2	10.1	10.3	11.9	8.9	9.2	10.1	10.3	11.9
	8H	9.2	9.5	10.4	10.6	12.3	9.2	9.5	10.4	10.6	12.3

Maximum UGR = 12.5

POLAR GRAPH



Maximum Candela = 482.39 Located At Horizontal Angle = 0, Vertical Angle = 156.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (156.5) (Through Max. Cd.)