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IES INDOOR REPORT
PHOTOMETRIC FILENAME : FAB-9595-CREM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 13498111.11
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 9/16/2020
[MANUFAC] Justice Design Group L L C
[LUMCAT] FAB-9595-CREM
[LUMINAIRE] Circular metal frame housing with plastic inner diffuse lens and fabric decorative outer lens
[LAMP] Three (3) Maxlite LED lamps - E9A119GUD930/JA8
[OTHER] 25.3 C, 120.063 V, 0.220286 A, 24.8093 W, 0.938039 PF, 59.9995
[MORE] Hz
[OTHER] This test was performed using the calibrated photodetector method of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1105
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	24.8093
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.25 ft (Diameter)
Luminous Width (90-270)	1.25 ft (Diameter)
Luminous Height	0.35 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2140	2140	2140
55	1951	1951	1951
65	1724	1724	1724
75	1424	1424	1424
85	977	977	977

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CANDELA TABULATION

	<u>0</u>
0.0	325.70
0.5	325.70
1.0	325.70
1.5	325.70
2.0	325.50
2.5	325.40
3.0	325.50
3.5	325.20
4.0	325.20
4.5	324.90
5.0	324.80
5.5	324.50
6.0	324.30
6.5	324.10
7.0	323.70
7.5	323.40
8.0	323.00
8.5	322.60
9.0	322.30
9.5	322.00
10.0	321.40
10.5	320.90
11.0	320.50
11.5	320.00
12.0	319.50
12.5	318.90
13.0	318.30
13.5	317.70
14.0	317.10
14.5	316.40
15.0	315.80
15.5	315.00
16.0	314.30
16.5	313.50
17.0	312.70
17.5	311.90
18.0	311.00
18.5	310.20
19.0	309.30
19.5	308.40
20.0	307.40
20.5	306.50
21.0	305.50
21.5	304.50
22.0	303.50
22.5	302.50
23.0	301.40
23.5	300.20
24.0	299.20
24.5	298.00
25.0	296.90
25.5	295.80
26.0	294.60
26.5	293.30

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CANDELA TABULATION - (Cont.)

27.0	292.00
27.5	290.70
28.0	289.50
28.5	288.20
29.0	287.00
29.5	285.60
30.0	284.20
30.5	282.90
31.0	281.50
31.5	280.10
32.0	278.70
32.5	277.20
33.0	275.70
33.5	274.30
34.0	272.70
34.5	271.30
35.0	269.60
35.5	268.10
36.0	266.50
36.5	264.90
37.0	263.30
37.5	261.60
38.0	259.90
38.5	258.20
39.0	256.60
39.5	254.80
40.0	253.10
40.5	251.30
41.0	249.70
41.5	247.80
42.0	246.10
42.5	244.40
43.0	242.40
43.5	240.50
44.0	238.60
44.5	236.90
45.0	234.90
45.5	233.00
46.0	231.20
46.5	229.10
47.0	227.30
47.5	225.30
48.0	223.20
48.5	221.30
49.0	219.30
49.5	217.10
50.0	215.10
50.5	213.00
51.0	210.70
51.5	208.70
52.0	206.60
52.5	204.50
53.0	202.30
53.5	200.10
54.0	197.90
54.5	195.70

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CANDELA TABULATION - (Cont.)

55.0	193.50
55.5	191.40
56.0	189.20
56.5	186.90
57.0	184.60
57.5	182.50
58.0	180.20
58.5	177.90
59.0	175.70
59.5	173.40
60.0	170.90
60.5	168.70
61.0	166.50
61.5	164.10
62.0	161.70
62.5	159.40
63.0	157.10
63.5	154.60
64.0	152.10
64.5	149.70
65.0	147.40
65.5	144.80
66.0	142.50
66.5	140.00
67.0	137.60
67.5	135.10
68.0	132.70
68.5	130.30
69.0	127.70
69.5	125.40
70.0	122.90
70.5	120.40
71.0	118.00
71.5	115.50
72.0	113.10
72.5	110.70
73.0	108.30
73.5	105.90
74.0	103.50
74.5	101.10
75.0	98.68
75.5	96.28
76.0	93.88
76.5	91.40
77.0	88.90
77.5	86.42
78.0	83.95
78.5	81.46
79.0	78.97
79.5	76.48
80.0	73.98
80.5	71.49
81.0	69.01
81.5	66.54
82.0	64.09
82.5	61.65

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CANDELA TABULATION - (Cont.)

83.0	59.24
83.5	56.85
84.0	54.48
84.5	52.12
85.0	49.78
85.5	47.50
86.0	45.24
86.5	43.05
87.0	40.95
87.5	39.02
88.0	37.25
88.5	35.73
89.0	34.44
89.5	33.31
90.0	32.19
90.5	31.09
91.0	29.93
91.5	28.68
92.0	27.28
92.5	25.82
93.0	24.30
93.5	22.75
94.0	21.14
94.5	19.53
95.0	17.88
95.5	16.20
96.0	14.51
96.5	12.81
97.0	11.12
97.5	9.48
98.0	7.93
98.5	6.49
99.0	5.19
99.5	4.02
100.0	2.98
100.5	2.08
101.0	1.33
101.5	0.75
102.0	0.35
102.5	0.11
103.0	0.03
103.5	0.00
104.0	0.00
104.5	0.00
105.0	0.00
105.5	0.00
106.0	0.00
106.5	0.00
107.0	0.00
107.5	0.00
108.0	0.00
108.5	0.00
109.0	0.00
109.5	0.00
110.0	0.00
110.5	0.00

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CANDELA TABULATION - (Cont.)

111.0	0.00
111.5	0.00
112.0	0.00
112.5	0.00
113.0	0.00
113.5	0.00
114.0	0.00
114.5	0.00
115.0	0.00
115.5	0.00
116.0	0.00
116.5	0.00
117.0	0.00
117.5	0.00
118.0	0.00
118.5	0.00
119.0	0.00
119.5	0.00
120.0	0.00
120.5	0.00
121.0	0.00
121.5	0.00
122.0	0.00
122.5	0.00
123.0	0.00
123.5	0.00
124.0	0.00
124.5	0.00
125.0	0.00
125.5	0.00
126.0	0.00
126.5	0.00
127.0	0.00
127.5	0.00
128.0	0.00
128.5	0.00
129.0	0.00
129.5	0.00
130.0	0.00
130.5	0.00
131.0	0.00
131.5	0.00
132.0	0.00
132.5	0.00
133.0	0.00
133.5	0.00
134.0	0.00
134.5	0.00
135.0	0.00
135.5	0.00
136.0	0.00
136.5	0.00
137.0	0.00
137.5	0.00
138.0	0.00
138.5	0.00

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CANDELA TABULATION - (Cont.)

139.0	0.00
139.5	0.00
140.0	0.00
140.5	0.00
141.0	0.00
141.5	0.00
142.0	0.00
142.5	0.00
143.0	0.00
143.5	0.00
144.0	0.00
144.5	0.00
145.0	0.00
145.5	0.00
146.0	0.00
146.5	0.00
147.0	0.00
147.5	0.00
148.0	0.00
148.5	0.00
149.0	0.00
149.5	0.00
150.0	0.00
150.5	0.00
151.0	0.00
151.5	0.00
152.0	0.00
152.5	0.00
153.0	0.00
153.5	0.00
154.0	0.00
154.5	0.00
155.0	0.00
155.5	0.00
156.0	0.00
156.5	0.00
157.0	0.00
157.5	0.00
158.0	0.00
158.5	0.00
159.0	0.00
159.5	0.00
160.0	0.00
160.5	0.00
161.0	0.00
161.5	0.00
162.0	0.00
162.5	0.00
163.0	0.00
163.5	0.00
164.0	0.00
164.5	0.00
165.0	0.00
165.5	0.00
166.0	0.00
166.5	0.00

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CANDELA TABULATION - (Cont.)

167.0	0.00
167.5	0.00
168.0	0.00
168.5	0.00
169.0	0.00
169.5	0.00
170.0	0.00
170.5	0.00
171.0	0.00
171.5	0.00
172.0	0.00
172.5	0.00
173.0	0.00
173.5	0.00
174.0	0.00
174.5	0.00
175.0	0.00
175.5	0.00
176.0	0.00
176.5	0.00
177.0	0.00
177.5	0.00
178.0	0.00
178.5	0.00
179.0	0.00
179.5	0.00
180.0	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	120.05	N.A.	10.90
0-30	256.97	N.A.	23.30
0-40	425.76	N.A.	38.50
0-60	780.18	N.A.	70.60
0-80	1030.06	N.A.	93.20
0-90	1085.36	N.A.	98.20
10-90	1054.46	N.A.	95.40
20-40	305.71	N.A.	27.70
20-50	487.02	N.A.	44.10
40-70	500.22	N.A.	45.30
60-80	249.88	N.A.	22.60
70-80	104.08	N.A.	9.40
80-90	55.30	N.A.	5.00
90-110	19.67	N.A.	1.80
90-120	19.67	N.A.	1.80
90-130	19.67	N.A.	1.80
90-150	19.67	N.A.	1.80
90-180	19.67	N.A.	1.80
110-180	0.00	N.A.	0.00
0-180	1105.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	30.89
10-20	89.16
20-30	136.92
30-40	168.79
40-50	181.32
50-60	173.10
60-70	145.80
70-80	104.08
80-90	55.30
90-100	19.34
100-110	0.33
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	106	101	96	91	103	98	94	90	94	90	87	89	86	84	86	83	81	78
2	96	87	79	73	93	85	78	72	81	75	70	77	72	68	74	70	66	64
3	87	76	67	60	84	74	66	59	71	63	58	67	61	56	65	60	55	53
4	79	67	57	50	77	65	56	50	62	55	49	60	53	48	57	52	47	45
5	73	59	50	43	71	58	49	42	56	48	42	53	46	41	51	45	40	38
6	67	53	44	37	65	52	43	37	50	42	36	48	41	36	46	40	35	33
7	62	48	39	33	60	47	38	32	45	38	32	44	37	32	42	36	31	29
8	58	44	35	29	56	43	35	29	41	34	28	40	33	28	39	32	28	26
9	54	40	32	26	52	39	31	26	38	31	26	37	30	25	36	30	25	23
10	51	37	29	23	49	36	29	23	35	28	23	34	28	23	33	27	23	21

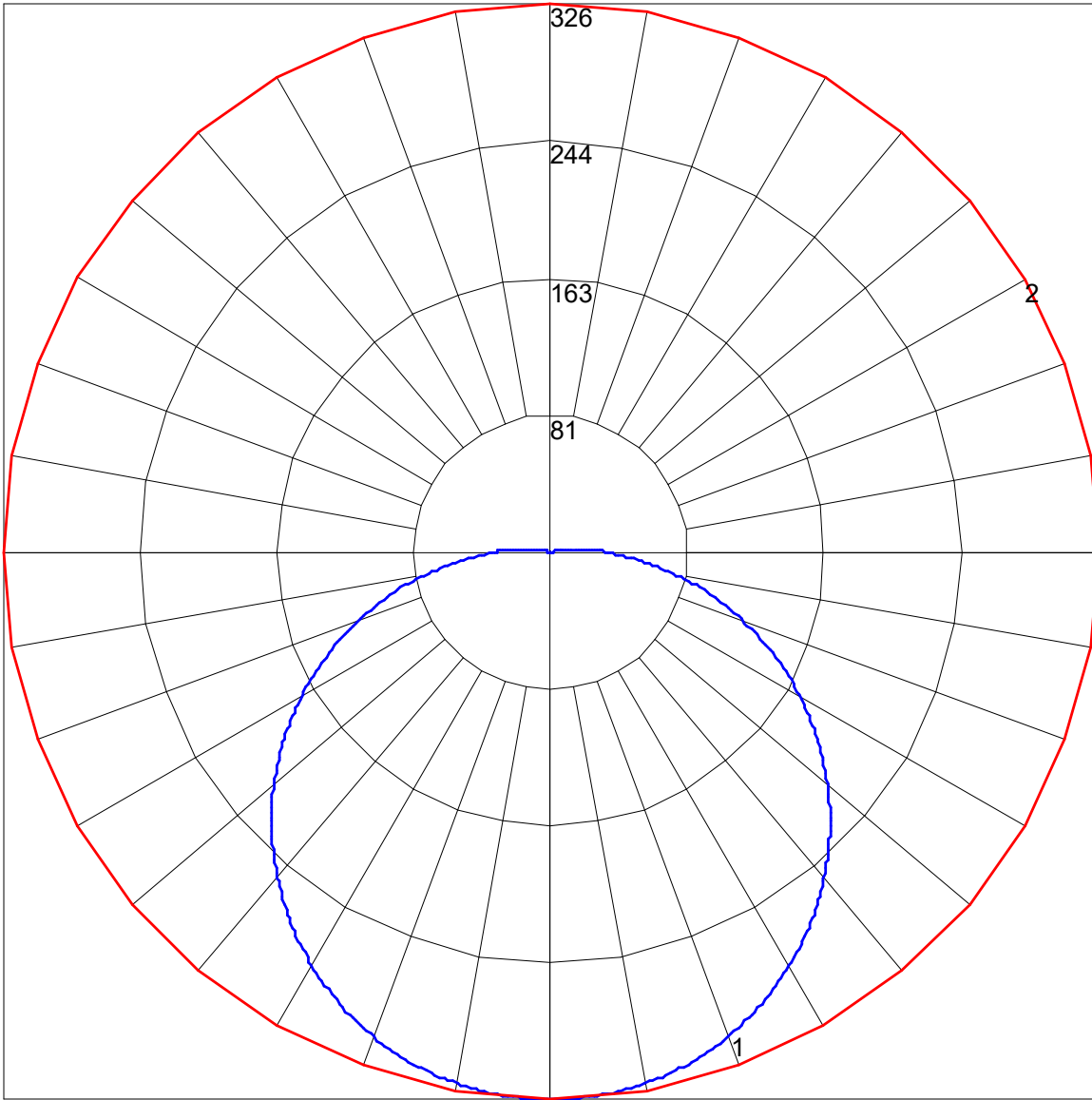
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UGR TABLE - CORRECTED

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	13.5	15.1	13.8	15.5	15.8	13.5	15.1	13.8	15.5	15.8
	3H	15.4	17.0	15.8	17.3	17.7	15.4	17.0	15.8	17.3	17.7
	4H	16.2	17.7	16.7	18.1	18.5	16.2	17.7	16.7	18.1	18.5
	6H	16.9	18.3	17.3	18.7	19.1	16.9	18.3	17.3	18.7	19.1
	8H	17.2	18.5	17.6	18.9	19.3	17.2	18.5	17.6	18.9	19.3
	12H	17.4	18.6	17.9	19.1	19.5	17.4	18.6	17.9	19.1	19.5
4H	2H	14.1	15.5	14.5	15.9	16.3	14.1	15.5	14.5	15.9	16.3
	3H	16.3	17.5	16.7	17.9	18.4	16.3	17.5	16.7	17.9	18.4
	4H	17.2	18.3	17.7	18.8	19.3	17.2	18.3	17.7	18.8	19.3
	6H	18.0	19.0	18.5	19.5	20.0	18.0	19.0	18.5	19.5	20.0
	8H	18.4	19.3	18.8	19.8	20.3	18.4	19.3	18.8	19.8	20.3
	12H	18.6	19.5	19.1	20.0	20.5	18.6	19.5	19.1	20.0	20.5
8H	4H	17.6	18.5	18.0	19.0	19.5	17.6	18.5	18.0	19.0	19.5
	6H	18.5	19.3	19.0	19.8	20.3	18.5	19.3	19.0	19.8	20.3
	8H	18.9	19.7	19.5	20.2	20.7	18.9	19.7	19.5	20.2	20.7
	12H	19.3	20.0	19.9	20.5	21.1	19.3	20.0	19.9	20.5	21.1
12H	4H	17.6	18.5	18.1	19.0	19.5	17.6	18.5	18.1	19.0	19.5
	6H	18.6	19.3	19.2	19.8	20.4	18.6	19.3	19.2	19.8	20.4
	8H	19.1	19.7	19.6	20.2	20.8	19.1	19.7	19.6	20.2	20.8

Maximum UGR = 21.1

POLAR GRAPH



Maximum Candela = 325.7 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)