

# Day-Brite

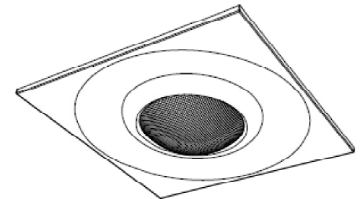
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 25198.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 25198  
[DATE] 03/11/2005  
[LUMCAT] 2AVCG2CF42-PMW-1/2-EB  
[LUMINAIRE] DAY-BRITE ARIOSO CLOUD  
[LAMP] CFT42W  
[BALLAST] ADVANCE ICF-2S42-M2-LD  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 3/14/2005  
[\_TEST\_LEVEL]  
[\_TIFF\_FILE\_NAME]  
[\_VERSION] fo2ies 3.0c(90)  
[OTHER] Test distance = 30 ft.  
[MORE] Shielding angle: normal 90, Parallel 90

## CHARACTERISTICS

Lumens Per Lamp	3200 (2 lamps)
Total Lamp Lumens	6400
Luminaire Lumens	3714
Total Luminaire Efficiency	58 %
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	96
Ballast Factor	0.97
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.08 ft



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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3489	3361	3263
55	3314	3109	2960
65	2616	2400	2254
75	1357	1269	1340
85	752	682	857

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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>
<b>0.0</b>	1362	1362	1362	1362	1362
<b>2.5</b>	1373	1372	1364	1352	1339
<b>5.0</b>	1367	1368	1360	1348	1334
<b>7.5</b>	1361	1360	1353	1341	1326
<b>10.0</b>	1350	1350	1341	1329	1315
<b>12.5</b>	1336	1334	1327	1316	1302
<b>15.0</b>	1319	1318	1311	1299	1285
<b>17.5</b>	1299	1299	1291	1280	1265
<b>20.0</b>	1278	1276	1268	1258	1246
<b>22.5</b>	1254	1254	1245	1233	1219
<b>25.0</b>	1231	1227	1221	1208	1194
<b>27.5</b>	1200	1199	1187	1177	1165
<b>30.0</b>	1171	1170	1161	1145	1133
<b>32.5</b>	1142	1139	1128	1114	1102
<b>35.0</b>	1104	1104	1093	1080	1065
<b>37.5</b>	1073	1071	1060	1041	1027
<b>40.0</b>	1038	1033	1020	999	988
<b>42.5</b>	999	991	977	960	947
<b>45.0</b>	956	950	936	913	894
<b>47.5</b>	911	907	886	862	846
<b>50.0</b>	860	853	835	805	794
<b>52.5</b>	809	800	778	748	732
<b>55.0</b>	749	740	719	678	669
<b>57.5</b>	681	670	647	609	600
<b>60.0</b>	606	602	578	539	517
<b>62.5</b>	537	527	506	467	453
<b>65.0</b>	448	440	425	394	386
<b>67.5</b>	359	355	350	329	316
<b>70.0</b>	273	272	266	256	248
<b>72.5</b>	201	196	197	190	196
<b>75.0</b>	151	149	149	148	149
<b>77.5</b>	110	112	111	111	117
<b>80.0</b>	79	79	81	84	86
<b>82.5</b>	55	56	57	60	61
<b>85.0</b>	36	33	37	36	41
<b>87.5</b>	19	20	20	20	22
<b>90.0</b>	12	14	13	13	15

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1058.47	16.50	28.50
0-40	1741.22	27.20	46.90
0-60	3089.99	48.30	83.20
0-90	3713.91	58.00	100.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
0-180	3713.91	58.00	100.00

Total Luminaire Efficiency = 58.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	128.92
10-20	368.99
20-30	560.56
30-40	682.74
40-50	716.87
50-60	631.90
60-70	414.33
70-80	165.64
80-90	43.96
90-100	0.00
100-110	0.00
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

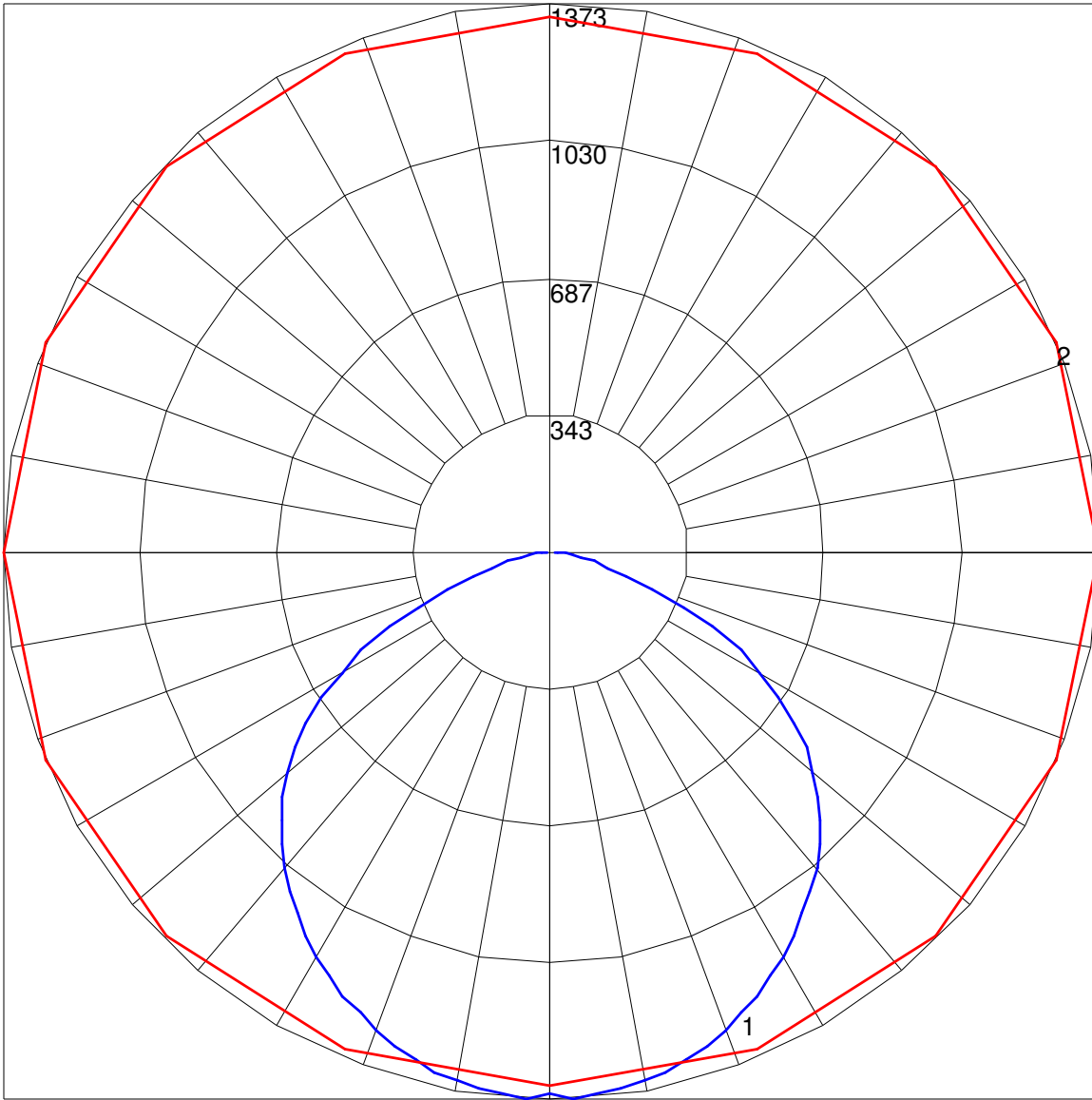
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	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	69	69	69	69	67	67	67	67	64	64	64	62	62	62	59	59	59	58	58
1	64	61	59	57	62	60	58	56	57	55	54	55	54	52	53	52	51	49	49
2	58	53	50	47	57	52	49	46	50	47	45	48	46	44	47	45	43	42	42
3	53	47	43	39	52	46	42	39	44	41	38	43	40	37	41	39	37	35	35
4	49	42	37	33	47	41	36	33	40	36	32	38	35	32	37	34	32	30	30
5	45	37	32	29	43	37	32	28	36	31	28	34	31	28	33	30	27	26	26
6	41	34	29	25	40	33	28	25	32	28	25	31	27	24	30	27	24	23	23
7	38	31	25	22	37	30	25	22	29	25	22	28	24	22	28	24	21	20	20
8	36	28	23	20	35	27	23	20	27	22	19	26	22	19	25	22	19	18	18
9	33	26	21	18	32	25	21	18	25	20	17	24	20	17	23	20	17	16	16
10	31	24	19	16	30	23	19	16	23	19	16	22	18	16	22	18	16	15	15

POLAR GRAPH



Maximum Candela = 1373 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)