



IESNA:LM-63-2002
 [TEST] 25198
 [TESTDATE] 03/11/2005
 [LUMCAT] 2AVCG2CF42-PMW-1/2-EB
 [LUMINAIRE] ARIOSO CLOUD
 [LAMP] CFT42W
 [BALLAST] ADVANCE ICF-2S42-M2-LD
 [MANUFAC] DayBrite Group*
 [TESTLAB] Daybrite Lighting Photometric Laboratory, Tupelo, MS
 [MORE] [200016- 0] (NVLAP)
 [ISSUEDATE] 3/14/2005
 [_TEST_LEVEL]
 [_TIFF_FILE_NAME]
 [_VERSION] fo2ies 3.0c(90)
 [OTHER] Test distance = 30 ft.
 [OTHER] Shielding angle: normal 90, Parallel 90
 2 lamps, 3200 Lumens/lp, Total fixt. lumens = 3713, Fixt. Eff. = 58.0%
 Ballast Factor 0.970, Input Watts = 96
 LER = (Fixt-Eff * Lp-Lumens * BF) / Watts = 37.5

Zonal Lumen Summary				-----CANDELA-----				Zonal
Zone	LUMENS	%LAMP	%FIXTURE	Zone	Par(0)	45	Nrm(90)	Lumens
(0-30)	1059	16.5	28.5	0	1362	1362	1362	
(0-40)	1742	27.2	46.9	5	1367	1360	1334	73
(0-60)	3091	48.3	83.2	10	1350	1341	1315	127
(0-90)	3713	58.0	100.0	15	1319	1311	1285	185
				20	1278	1268	1246	237
				25	1231	1221	1194	282
				30	1171	1161	1133	317
				35	1104	1093	1065	343
				40	1038	1020	988	358
				45	956	936	894	360
				50	860	835	794	348
				55	749	719	669	319
				60	606	578	517	271
				65	448	425	386	208
				70	273	266	248	136
				75	151	149	149	80
				80	79	81	86	45
				85	36	37	41	25
				90	12	13	15	

Average Luminance (Cd/sq. m)			
Zone	Par(0)	45	Nrm(90)
45	3493	3364	3266
50	3430	3266	3167
55	3317	3112	2962
60	3042	2823	2595
65	2619	2403	2256
70	1927	1801	1751
75	1359	1270	1341
80	990	941	1078
85	753	683	858

Spacing Criteria: 0 plane = 1.3, 45 plane = 1.4, 90 plane = 1.2

These photometric results were obtained in the Day-Brite Lighting (Genlyte/Thomas Group) Laboratory, which is NVLAP-accredited by the National Institute of Standards and Technology. This does not constitute an endorsement of this product by NIST, NVLAP or the US Government.

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective floor cavity reflectance = 0.20

Ceil	80				70				50				30				10			
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	69	69	69	69	67	67	67	67	64	64	64	62	62	62	59	59	59			
1	64	61	59	57	62	60	58	56	57	55	54	55	54	52	53	52	51			
2	58	53	50	47	57	52	49	46	50	47	45	48	46	44	47	45	43			
3	53	47	43	39	52	46	42	39	44	41	38	43	40	37	41	39	37			
4	49	42	37	33	47	41	36	33	40	36	32	38	35	32	37	34	32			
5	45	37	32	29	43	37	32	28	36	31	28	34	31	28	33	30	27			
6	41	34	29	25	40	33	28	25	32	28	25	31	27	24	30	27	24			
7	38	31	25	22	37	30	25	22	29	25	22	28	24	22	28	24	21			
8	36	28	23	20	35	27	23	20	27	22	19	26	22	19	25	22	19			
9	33	26	21	18	32	25	21	18	25	20	17	24	20	17	23	20	17			
10	31	24	19	16	30	23	19	16	23	19	16	22	18	16	22	18	16			

LUMINANCE COEFFICIENTS

WALL COEFFICIENTS

Effective floor cavity reflectance = 0.20

Ceil	80				70				50				30				10			
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	25	17	9	3	24	16	9	3	16	9	3	15	9	3	14	8	3			
2	25	16	9	3	24	16	9	3	15	8	3	14	8	3	14	8	2			
3	24	15	8	2	23	15	8	2	14	8	2	14	7	2	13	7	2			
4	23	14	7	2	22	14	7	2	13	7	2	13	7	2	12	7	2			
5	22	13	7	2	21	13	7	2	12	6	2	12	6	2	11	6	2			
6	21	12	6	2	20	12	6	2	11	6	2	11	6	2	11	6	2			
7	20	11	6	2	20	11	6	2	11	5	2	10	5	2	10	5	2			
8	19	11	5	1	19	10	5	1	10	5	1	10	5	1	9	5	1			
9	18	10	5	1	18	10	5	1	9	5	1	9	5	1	9	5	1			
10	18	9	4	1	17	9	4	1	9	4	1	9	4	1	8	4	1			

CEILING COEFFICIENTS

Effective floor cavity reflectance = 0.20

Ceil	80				70				50				30				10			
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	11	11	11	11	9	9	9	9	6	6	6	4	4	4	1	1	1			
1	12	10	9	8	10	9	8	7	6	5	5	3	3	3	1	1	1			
2	13	10	8	6	11	8	7	5	6	5	3	3	3	2	1	1	1			
3	13	9	7	4	11	8	6	4	6	4	3	3	2	2	1	1	1			
4	13	9	6	3	11	8	5	3	5	4	2	3	2	1	1	1	0			
5	13	9	5	3	11	7	5	2	5	3	2	3	2	1	1	1	0			
6	13	8	5	2	11	7	4	2	5	3	1	3	2	1	1	1	0			
7	13	8	4	2	11	7	4	2	5	3	1	3	2	1	1	1	0			
8	13	7	4	2	11	6	3	1	4	2	1	3	1	1	1	0	0			
9	13	7	4	1	11	6	3	1	4	2	1	2	1	1	1	0	0			
10	12	7	3	1	10	6	3	1	4	2	1	2	1	0	1	0	0			

Day-Brite Lighting Photometric Data
 IES File 25198.IES, printed on 2/22/2010

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

Photometric Data in IES format

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[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0c(90)
[OTHER] Test distance = 30 ft.
[OTHER] Shielding angle: normal 90, Parallel 90
TILT=NONE

2	3200	1	37	5	1	1	2	2	0.0833											
0.97		1	96																	
0	2.5		5	7.5		10	12.5		15	17.5		20	22.5							
25	27.5		30	32.5		35	37.5		40	42.5		45	47.5							
50	52.5		55	57.5		60	62.5		65	67.5		70	72.5							
75	77.5		80	82.5		85	87.5		90											
0	22.5		45	67.5		90														
1362	1373		1367	1361		1350	1336		1319	1299		1278	1254							
1231	1200		1171	1142		1104	1073		1038	999		956	911							
860	809		749	681		606	537		448	359		273	201							
151	110		79	55		36	19		12											
1362	1372		1368	1360		1350	1334		1318	1299		1276	1254							
1227	1199		1170	1139		1104	1071		1033	991		950	907							
853	800		740	670		602	527		440	355		272	196							
149	112		79	56		33	20		14											
1362	1364		1360	1353		1341	1327		1311	1291		1268	1245							
1221	1187		1161	1128		1093	1060		1020	977		936	886							
835	778		719	647		578	506		425	350		266	197							
149	111		81	57		37	20		13											
1362	1352		1348	1341		1329	1316		1299	1280		1258	1233							
1208	1177		1145	1114		1080	1041		999	960		913	862							
805	748		678	609		539	467		394	329		256	190							
148	111		84	60		36	20		13											
1362	1339		1334	1326		1315	1302		1285	1265		1246	1219							
1194	1165		1133	1102		1065	1027		988	947		894	846							
794	732		669	600		517	453		386	316		248	196							
149	117		86	61		41	22		15											