



IESNA:LM-63-2002
 [TEST] 27598
 [TESTDATE] 07/24/2008
 [LUMCAT] 2AVEG328-PMW-EB
 [LUMINAIRE] 2X4 ARIOSO ESSENCE FULL RECESSED W/
 PERF
 [LAMP] F28T5
 [BALLAST] TRIAD B228PUNV-C
 [MANUFAC] DayBrite Group*
 [TESTLAB] Daybrite Lighting Photometric
 Laboratory, Tupelo, MS
 [MORE] NVLAP laboratory code 200016-0
 [ISSUEDATE] 7/25/2008
 [_TEST_LEVEL]
 [_TIFF_FILE_NAME]
 [_VERSION] fo2ies 3.0d(90)
 [OTHER] Reflection factor 0.92, Test distance =
 26 ft.
 [OTHER] Shielding angle: normal 90, Parallel 90
 3 lamps, 2600 Lumens/lp, Total fixt. lumens = 5239, Fixt. Eff. = 67.2%
 Ballast Factor 1.000, Input Watts = 95
 LER = (Fixt-Eff * Lp-Lumens * BF) / Watts = 55.2

Zonal Lumen Summary				-----CANDELA-----				Zonal
Zone	LUMENS	%LAMP	%FIXTURE	Zone	Par(0)	45	Nrm(90)	Lumens
(0-30)	1394	17.9	26.6	0	1782	1782	1782	
(0-40)	2291	29.4	43.7	5	1776	1782	1753	96
(0-60)	4100	52.6	78.3	10	1749	1762	1736	167
(0-90)	5239	67.2	100.0	15	1706	1724	1708	244
				20	1647	1674	1668	312
				25	1566	1606	1614	371
				30	1474	1531	1548	417
				35	1367	1437	1474	450
				40	1243	1337	1391	469
				45	1109	1228	1299	472
				50	964	1111	1196	461
				55	807	988	1091	436
				60	655	866	972	399
				65	502	735	818	348
				70	366	589	611	279
				75	246	408	315	185
				80	139	152	165	98
				85	53	56	60	35
				90	5	1	1	

Average Luminance (Cd/sq. m)			
Zone	Par(0)	45	Nrm(90)
45	2110	2337	2472
50	2018	2326	2503
55	1893	2318	2559
60	1763	2330	2616
65	1598	2340	2604
70	1440	2317	2404
75	1279	2121	1638
80	1077	1178	1278
85	818	865	926

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

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.

APPROVED BY _____ DATE / /

ZONAL CAVITY COEFFICIENTS OF UTILIZATION

Effective floor cavity reflectance = 0.20

Ceiling	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	80	80	80	80	78	78	78	78	75	75	75	71	71	71	69	69	69				
1	73	70	67	64	71	68	66	63	65	63	61	63	61	59	60	59	58				
2	66	61	56	52	65	59	55	52	57	53	50	55	52	49	53	50	48				
3	60	53	48	43	59	52	47	43	50	46	42	48	44	41	46	43	41				
4	55	47	41	36	54	46	40	36	44	40	36	43	39	35	41	38	35				
5	51	42	36	31	49	41	35	31	40	35	31	38	34	30	37	33	30				
6	47	38	32	27	45	37	31	27	36	31	27	35	30	27	34	30	26				
7	43	34	28	24	42	34	28	24	32	27	24	32	27	24	31	26	23				
8	40	31	25	21	39	31	25	21	30	25	21	29	24	21	28	24	21				
9	38	29	23	19	37	28	23	19	27	22	19	27	22	19	26	22	19				
10	35	26	21	17	34	26	21	17	25	21	17	25	20	17	24	20	17				

LUMINANCE COEFFICIENTS

WALL COEFFICIENTS

Effective floor cavity reflectance = 0.20

Ceiling	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	0
1	31	21	12	4	30	20	12	4	19	11	4	19	11	3	18	10	3				
2	30	20	11	3	30	19	11	3	18	10	3	18	10	3	17	10	3				
3	29	18	10	3	28	18	10	3	17	9	3	17	9	3	16	9	3				
4	28	17	9	3	27	17	9	3	16	8	3	15	8	2	15	8	2				
5	27	16	8	2	26	15	8	2	15	8	2	14	8	2	14	7	2				
6	25	14	7	2	24	14	7	2	14	7	2	13	7	2	13	7	2				
7	24	13	7	2	23	13	7	2	13	6	2	12	6	2	12	6	2				
8	23	13	6	2	22	12	6	2	12	6	2	12	6	2	11	6	2				
9	22	12	6	2	21	12	6	2	11	6	2	11	5	2	11	5	2				
10	21	11	5	1	20	11	5	1	11	5	1	10	5	1	10	5	1				

CEILING COEFFICIENTS

Effective floor cavity reflectance = 0.20

Ceiling	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	13	13	13	13	11	11	11	11	7	7	7	4	4	4	1	1	1				
1	14	12	10	9	12	10	9	8	7	6	5	4	4	3	1	1	1				
2	15	12	9	7	13	10	8	6	7	5	4	4	3	2	1	1	1				
3	15	11	8	5	13	9	7	4	7	5	3	4	3	2	1	1	1				
4	16	11	7	4	13	9	6	3	6	4	2	4	2	1	1	1	0				
5	16	10	6	3	13	9	5	3	6	4	2	3	2	1	1	1	0				
6	16	10	6	3	13	8	5	2	6	3	2	3	2	1	1	1	0				
7	15	9	5	2	13	8	4	2	5	3	1	3	2	1	1	1	0				
8	15	9	5	2	13	7	4	2	5	3	1	3	2	1	1	1	0				
9	15	8	4	2	13	7	4	1	5	3	1	3	2	1	1	1	0				
10	14	8	4	2	12	7	4	1	5	2	1	3	1	1	1	0	0				

Day-Brite Lighting Photometric Data
 IES File 27598.IES, printed on 2/22/2010

-----CANDLEPOWER DATA-----					
Planes	0.0	22.5	45.0	67.5	90.0
Zone					
0.0	1782	1782	1782	1782	1782
2.5	1780	1807	1788	1770	1758
5.0	1776	1801	1782	1766	1753
7.5	1761	1788	1774	1758	1747
10.0	1749	1773	1762	1746	1736
12.5	1728	1752	1743	1734	1723
15.0	1706	1729	1724	1716	1708
17.5	1676	1701	1701	1696	1688
20.0	1647	1669	1674	1672	1668
22.5	1608	1633	1641	1644	1641
25.0	1566	1593	1606	1615	1614
27.5	1521	1555	1569	1582	1583
30.0	1474	1507	1531	1545	1548
32.5	1422	1457	1484	1510	1516
35.0	1367	1403	1437	1467	1474
37.5	1309	1348	1392	1427	1438
40.0	1243	1287	1337	1380	1391
42.5	1178	1222	1283	1332	1347
45.0	1109	1159	1228	1282	1299
47.5	1037	1093	1173	1227	1250
50.0	964	1021	1111	1176	1196
52.5	887	951	1051	1123	1145
55.0	807	882	988	1067	1091
57.5	731	811	927	1010	1035
60.0	655	742	866	946	972
62.5	574	670	802	880	899
65.0	502	601	735	806	818
67.5	433	536	665	717	723
70.0	366	472	589	620	611
72.5	305	409	506	497	481
75.0	246	348	408	354	315
77.5	192	289	280	224	224
80.0	139	223	152	160	165
82.5	96	139	96	108	111
85.0	53	48	56	60	60
87.5	23	19	20	22	22
90.0	5	2	1	1	1

Photometric Data in IES format

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 [ISSUEDATE] 7/25/2008
 [_TEST_LEVEL]
 [_TIFF_FILE_NAME]
 [_VERSION] fo2ies 3.0d(90)
 [OTHER] Reflection factor 0.92, Test distance = 26 ft.
 [OTHER] Shielding angle: normal 90, Parallel 90
 TILT=NONE

3	2600	1	37	5	1	1	2	4	0
1	1	95							
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					
1782	1780	1776	1761	1749	1728	1706	1676	1647	1608
1566	1521	1474	1422	1367	1309	1243	1178	1109	1037
964	887	807	731	655	574	502	433	366	305
246	192	139	96	53	23	5			
1782	1807	1801	1788	1773	1752	1729	1701	1669	1633
1593	1555	1507	1457	1403	1348	1287	1222	1159	1093
1021	951	882	811	742	670	601	536	472	409
348	289	223	139	48	19	2			
1782	1788	1782	1774	1762	1743	1724	1701	1674	1641
1606	1569	1531	1484	1437	1392	1337	1283	1228	1173
1111	1051	988	927	866	802	735	665	589	506
408	280	152	96	56	20	1			
1782	1770	1766	1758	1746	1734	1716	1696	1672	1644
1615	1582	1545	1510	1467	1427	1380	1332	1282	1227
1176	1123	1067	1010	946	880	806	717	620	497
354	224	160	108	60	22	1			
1782	1758	1753	1747	1736	1723	1708	1688	1668	1641
1614	1583	1548	1516	1474	1438	1391	1347	1299	1250
1196	1145	1091	1035	972	899	818	723	611	481
315	224	165	111	60	22	1			