

Day-Brite

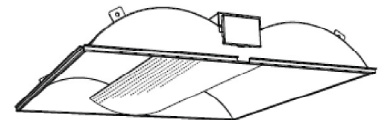
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27591.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27591
[DATE] 07/22/2008
[LUMCAT] 2AVEG2CF40-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO ESSENCE
[MORE] FULL RECESSED W/ PERF
[LAMP] F40BX
[BALLAST] ADVANCE ICN-2TTP40-SC
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 7/24/2008
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Reflection factor 0.92, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	3150 (2 lamps)
Total Lamp Lumens	6300
Luminaire Lumens	3722
Total Luminaire Efficiency	59 %
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	70
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft



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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3011	3300	3570
55	2700	3258	3726
65	2252	3251	3880
75	1839	2971	2493
85	1296	1203	1296

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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>
0.0	1280	1280	1280	1280	1280
2.5	1284	1282	1277	1275	1272
5.0	1278	1276	1272	1272	1268
7.5	1269	1268	1267	1268	1264
10.0	1257	1257	1255	1258	1256
12.5	1239	1240	1239	1245	1244
15.0	1223	1225	1228	1234	1236
17.5	1202	1207	1211	1219	1221
20.0	1178	1182	1191	1201	1204
22.5	1152	1156	1168	1181	1185
25.0	1124	1130	1144	1161	1166
27.5	1092	1099	1115	1137	1144
30.0	1057	1066	1086	1112	1121
32.5	1017	1029	1055	1083	1093
35.0	977	991	1022	1054	1065
37.5	934	949	986	1022	1036
40.0	891	905	947	988	1006
42.5	841	860	909	956	973
45.0	792	814	868	919	939
47.5	741	766	826	883	905
50.0	689	716	784	842	869
52.5	633	665	740	803	833
55.0	576	613	695	765	795
57.5	518	560	650	725	756
60.0	459	508	605	684	715
62.5	405	456	558	638	666
65.0	354	407	511	587	610
67.5	304	359	465	528	546
70.0	259	312	411	459	463
72.5	218	268	354	373	365
75.0	177	222	286	262	240
77.5	139	178	204	161	155
80.0	102	130	112	110	114
82.5	69	80	66	74	77
85.0	42	40	39	41	42
87.5	19	17	16	15	15
90.0	9	6	4	2	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	995.34	15.80	26.70
0-40	1634.49	25.90	43.90
0-60	2919.73	46.30	78.50
0-90	3721.54	59.10	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	3721.54	59.10	100.00

Total Luminaire Efficiency = 59.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	121.06
10-20	346.81
20-30	527.48
30-40	639.15
40-50	668.68
50-60	616.56
60-70	489.72
70-80	260.51
80-90	51.57
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

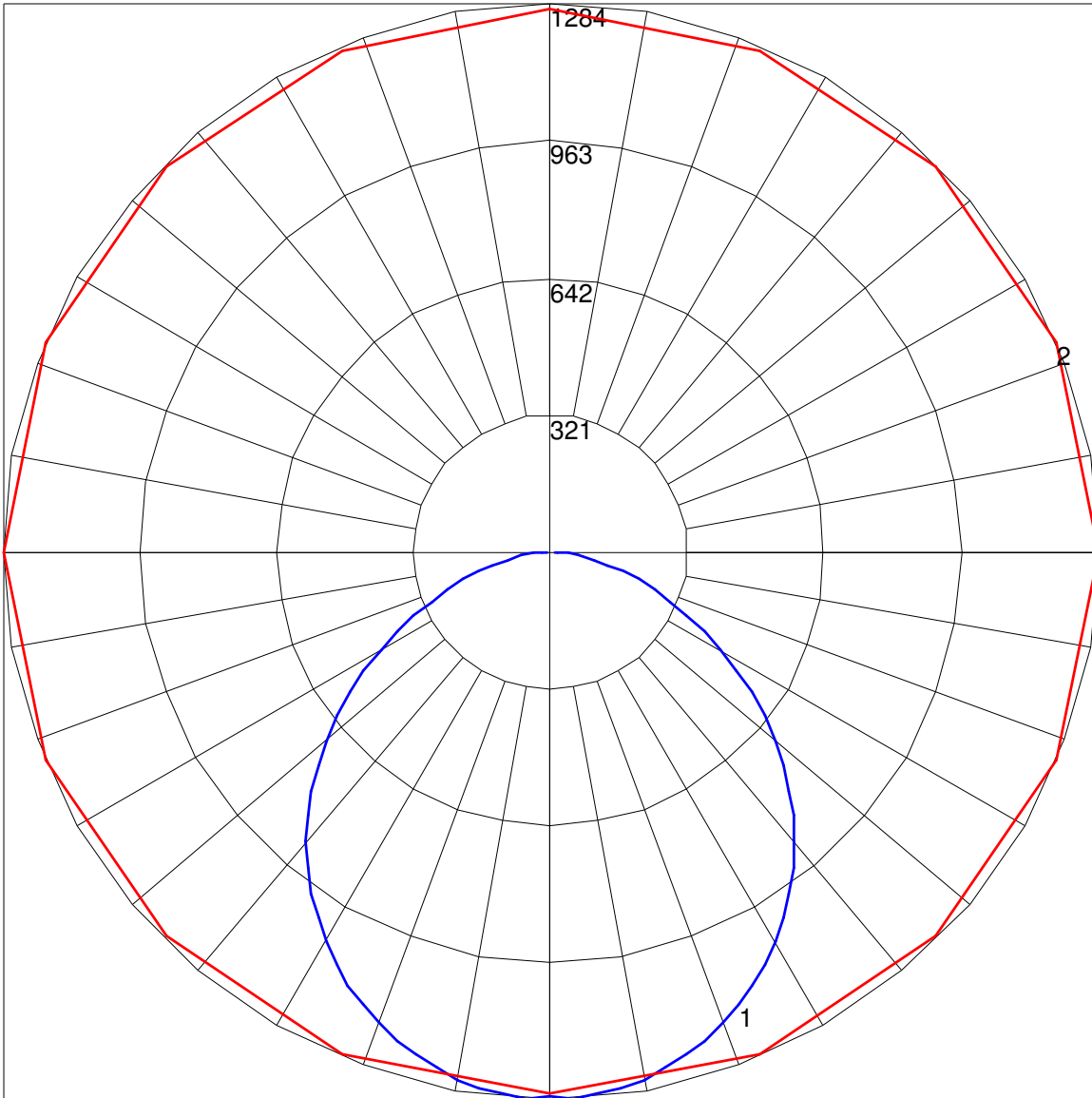
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	70	70	70	70	69	69	69	69	66	66	66	63	63	63	60	60	60	59
1	64	61	59	57	63	60	58	56	58	56	54	55	54	52	53	52	51	50
2	58	53	49	46	57	52	49	45	50	47	44	48	46	43	46	44	42	41
3	53	47	42	38	52	46	41	38	44	40	37	42	39	36	41	38	36	34
4	49	41	36	32	47	41	36	32	39	35	31	38	34	31	36	33	31	29
5	45	37	32	28	43	36	31	27	35	31	27	34	30	27	33	29	27	25
6	41	33	28	24	40	33	28	24	32	27	24	31	27	23	30	26	23	22
7	38	30	25	21	37	30	25	21	29	24	21	28	24	21	27	23	21	19
8	35	27	22	19	35	27	22	19	26	22	19	25	21	19	25	21	18	17
9	33	25	20	17	32	25	20	17	24	20	17	23	20	17	23	19	17	16
10	31	23	18	15	30	23	18	15	22	18	15	22	18	15	21	18	15	14

POLAR GRAPH



Maximum Candela = 1284 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.)