

Day-Brite

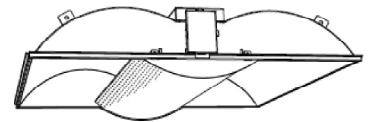
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27590.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27590
[DATE] 07/21/2008
[LUMCAT] 2AVDG2CF40-PMW-EB
[LUMINAIRE] DAY-BRITE 2X2 ARIOSO MID-DEPTH SEMI-RECESSED
[MORE] 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	4135
Total Luminaire Efficiency	66 %
Luminaire Efficacy Rating (LER)	52
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)	1.42
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	3255	3601	3920
55	2953	3619	4120
65	2519	3671	4300
75	2077	3584	4300
85	1450	1912	2529

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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	1364	1364	1364	1364	1364
2.5	1368	1364	1360	1358	1359
5.0	1362	1359	1355	1354	1356
7.5	1354	1351	1348	1348	1351
10.0	1340	1338	1338	1340	1343
12.5	1324	1322	1322	1327	1334
15.0	1306	1306	1309	1316	1323
17.5	1283	1285	1293	1302	1309
20.0	1258	1260	1272	1284	1293
22.5	1230	1233	1247	1264	1274
25.0	1200	1208	1224	1245	1256
27.5	1167	1174	1197	1221	1234
30.0	1130	1142	1169	1196	1210
32.5	1091	1102	1134	1168	1184
35.0	1046	1061	1099	1138	1154
37.5	1003	1020	1063	1108	1127
40.0	955	975	1026	1074	1097
42.5	906	930	989	1039	1063
45.0	856	881	947	1003	1031
47.5	803	833	906	967	995
50.0	748	780	861	928	959
52.5	690	728	817	889	923
55.0	630	673	772	847	879
57.5	572	622	723	803	833
60.0	512	571	678	756	787
62.5	450	512	628	704	733
65.0	396	461	577	649	676
67.5	342	409	521	594	619
70.0	293	358	466	534	561
72.5	246	308	406	471	491
75.0	200	259	345	397	414
77.5	158	209	281	310	306
80.0	117	156	211	194	174
82.5	80	106	124	113	114
85.0	47	61	62	75	82
87.5	22	23	34	51	57
90.0	8	5	16	28	34

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1064.11	16.90	25.70
0-40	1752.77	27.80	42.40
0-60	3162.16	50.20	76.50
0-90	4134.87	65.60	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	4134.87	65.60	100.00

Total Luminaire Efficiency = 65.60%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.98
10-20	370.16
20-30	564.97
30-40	688.65
40-50	728.31
50-60	681.08
60-70	549.71
70-80	338.78
80-90	84.23
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

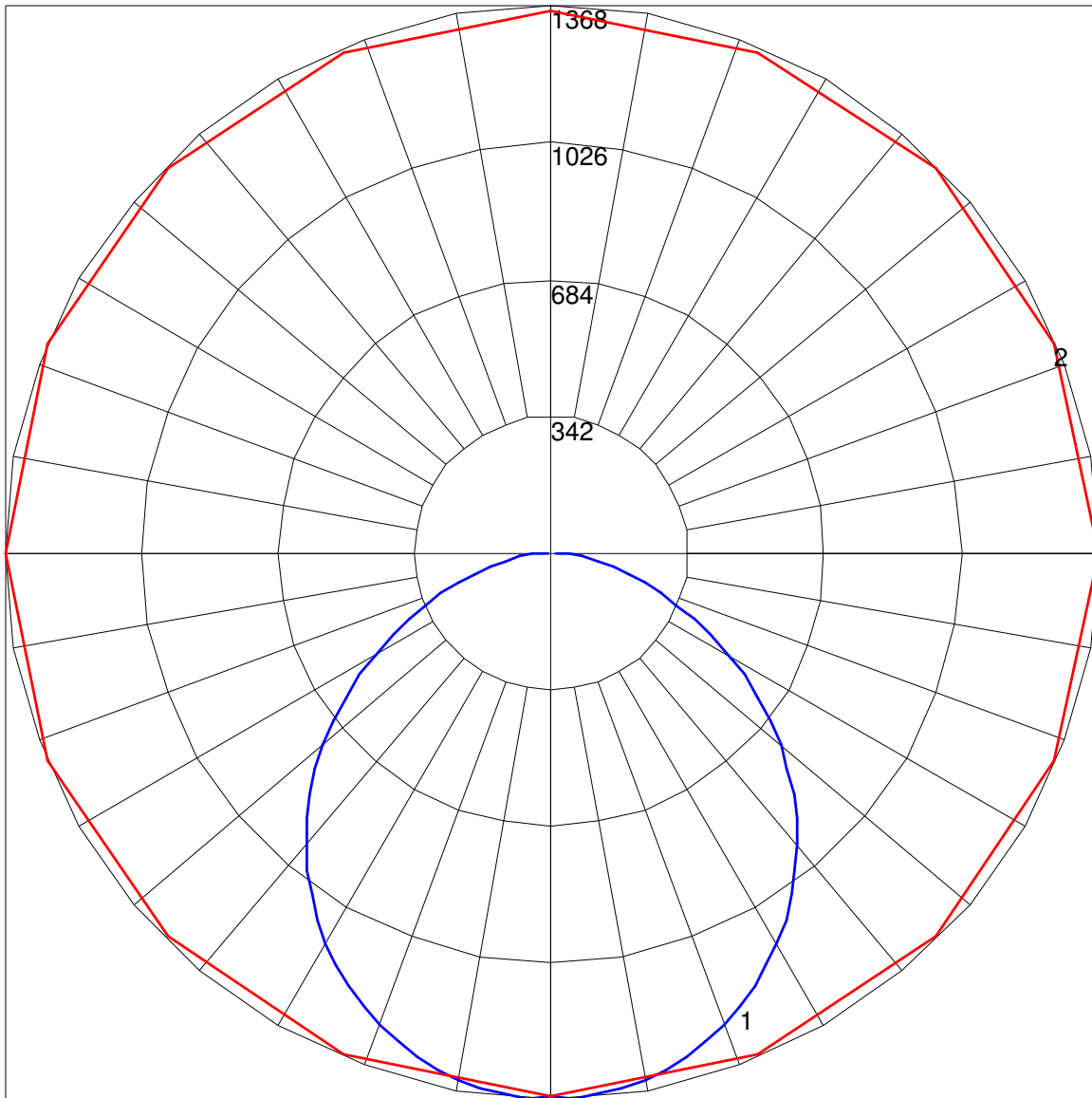
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	78	78	78	76	76	76	76	73	73	73	70	70	70	67	67	67	66
1	71	68	65	62	69	66	64	61	63	61	59	61	59	57	59	57	56	54
2	64	59	54	50	63	57	53	50	55	52	48	53	50	47	51	48	46	45
3	59	51	46	41	57	50	45	41	48	44	40	46	43	40	45	42	39	37
4	53	45	39	35	52	44	39	35	43	38	34	41	37	34	40	36	33	32
5	49	40	34	30	48	40	34	30	38	33	29	37	32	29	36	32	29	27
6	45	36	30	26	44	36	30	26	34	29	26	33	29	25	32	28	25	24
7	42	33	27	23	41	32	27	23	31	26	23	30	26	22	29	25	22	21
8	39	30	24	20	38	29	24	20	29	24	20	28	23	20	27	23	20	19
9	36	27	22	18	35	27	22	18	26	21	18	26	21	18	25	21	18	17
10	34	25	20	17	33	25	20	16	24	20	16	24	19	16	23	19	16	15

POLAR GRAPH



Maximum Candela = 1368 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.)