

Day-Brite

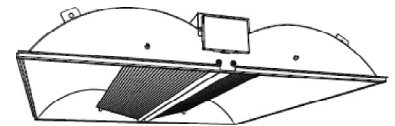
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27593.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27593
[TESTDATE] 07/22/2008
[LUMCAT] 2AVEG2CF40-FGL-EB
[LUMINAIRE] DAY-BRITE 2X2 ESSENCE GLASS
[MORE] FULL RECESSED
[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	4147
Total Luminaire Efficiency	66 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	69
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
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	3486	3669	3836
55	3225	3572	3717
65	2894	3365	3658
75	2431	2971	2493
85	1635	1727	1481

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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	1497	1497	1497	1497	1497
2.5	1499	1499	1495	1493	1488
5.0	1492	1491	1491	1485	1481
7.5	1482	1481	1479	1479	1474
10.0	1465	1465	1466	1466	1462
12.5	1448	1449	1448	1450	1447
15.0	1425	1427	1426	1425	1427
17.5	1398	1404	1400	1405	1404
20.0	1370	1373	1374	1380	1380
22.5	1337	1341	1344	1349	1351
25.0	1299	1303	1309	1318	1320
27.5	1261	1264	1273	1282	1290
30.0	1217	1222	1233	1246	1253
32.5	1174	1182	1193	1208	1217
35.0	1128	1135	1150	1168	1179
37.5	1076	1085	1105	1130	1142
40.0	1025	1034	1058	1089	1104
42.5	971	982	1013	1050	1062
45.0	917	930	965	1001	1009
47.5	861	876	920	950	955
50.0	807	820	870	893	902
52.5	749	766	819	838	849
55.0	688	708	762	782	793
57.5	632	654	702	730	743
60.0	574	600	646	676	691
62.5	515	544	587	619	637
65.0	455	487	529	562	575
67.5	398	435	474	502	507
70.0	343	379	419	432	430
72.5	288	320	355	344	341
75.0	234	260	286	262	240
77.5	183	205	213	191	186
80.0	138	152	136	145	146
82.5	91	98	99	98	100
85.0	53	51	56	53	48
87.5	23	19	16	20	12
90.0	9	6	4	5	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1147.42	18.20	27.70
0-40	1867.91	29.60	45.00
0-60	3282.02	52.10	79.10
0-90	4146.87	65.80	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	4146.87	65.80	100.00

Total Luminaire Efficiency = 65.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.37
10-20	402.45
20-30	603.60
30-40	720.49
40-50	744.04
50-60	670.07
60-70	517.67
70-80	281.16
80-90	66.03
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

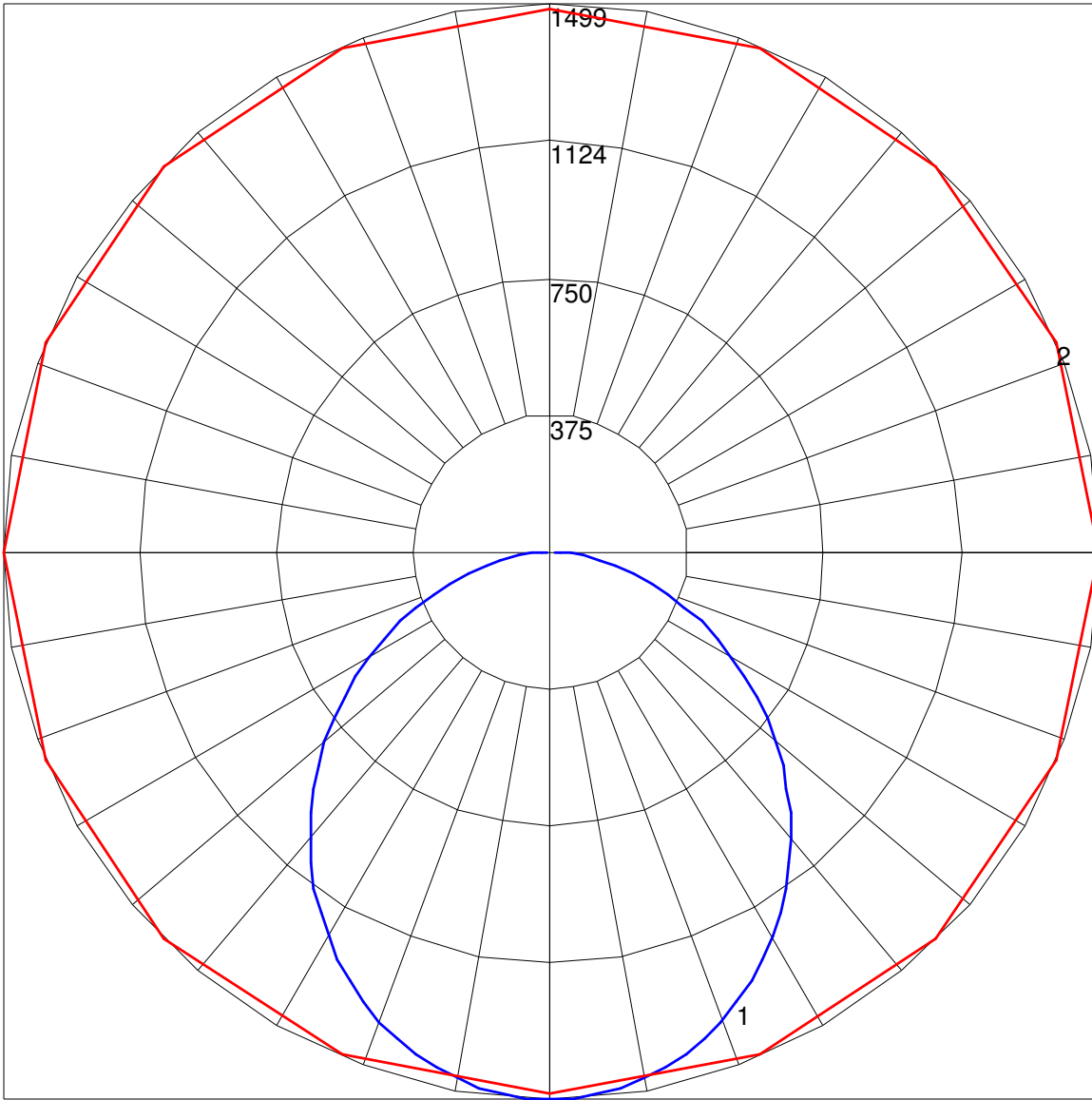
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	77	77	77	77	73	73	73	70	70	70	67	67	67	66
1	72	69	66	63	70	67	64	62	64	62	60	62	60	58	59	58	57	55
2	65	60	55	51	63	58	54	51	56	53	50	54	51	49	52	50	47	46
3	59	52	47	43	58	51	46	42	49	45	42	48	44	41	46	43	40	39
4	54	46	41	36	53	46	40	36	44	39	35	42	38	35	41	37	34	33
5	50	41	36	31	49	41	35	31	39	34	31	38	34	30	37	33	30	29
6	46	37	31	27	45	37	31	27	36	31	27	34	30	27	33	29	26	25
7	43	34	28	24	42	33	28	24	32	27	24	31	27	24	30	26	23	22
8	40	31	25	21	39	30	25	21	30	25	21	29	24	21	28	24	21	20
9	37	28	23	19	36	28	23	19	27	22	19	26	22	19	26	22	19	18
10	35	26	21	17	34	26	21	17	25	21	17	25	20	17	24	20	17	16

POLAR GRAPH



Maximum Candela = 1499 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.)