

Day-Brite

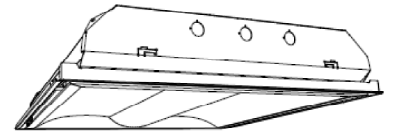
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27160D3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27160
[DATE] 12/13/2007
[LUMCAT] 2STGA2CF40-PMW-1/2-EB-RIB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE AIR W/PERFORATED BASKET
[LAMP] F40BX
[BALLAST] TRIAD C240PUNVHP-B
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 12/13/2007
[_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	4459
Total Luminaire Efficiency	71 %
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	71
Ballast Factor	0.90
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.83 ft
Luminous Width (90-270)	1.83 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	4145	4887	5597
55	3637	4680	5550
65	3006	4209	5262
75	2299	3746	4685
85	1432	1358	1505

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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	1513	1513	1513	1513	1513
2.5	1508	1504	1510	1515	1522
5.0	1503	1499	1506	1515	1522
7.5	1489	1489	1501	1511	1522
10.0	1473	1476	1491	1506	1520
12.5	1460	1459	1480	1501	1517
15.0	1435	1443	1466	1492	1510
17.5	1411	1421	1453	1479	1503
20.0	1383	1397	1433	1471	1492
22.5	1351	1367	1410	1454	1482
25.0	1315	1335	1385	1439	1470
27.5	1277	1297	1358	1421	1447
30.0	1236	1258	1329	1397	1433
32.5	1190	1217	1296	1370	1410
35.0	1141	1170	1258	1343	1384
37.5	1088	1124	1220	1311	1357
40.0	1033	1073	1176	1273	1322
42.5	975	1018	1130	1233	1282
45.0	916	959	1080	1185	1237
47.5	851	900	1026	1135	1188
50.0	787	837	967	1076	1128
52.5	720	774	905	1012	1062
55.0	652	708	839	948	995
57.5	587	641	771	873	920
60.0	519	575	698	797	845
62.5	457	509	627	720	761
65.0	397	446	556	642	695
67.5	338	386	484	585	638
70.0	283	326	407	521	563
72.5	234	267	354	446	476
75.0	186	216	303	364	379
77.5	143	169	239	264	268
80.0	105	122	170	162	158
82.5	71	83	93	84	81
85.0	39	42	37	39	41
87.5	14	13	12	13	13
90.0	3	1	0	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1198.15	19.00	26.90
0-40	1985.56	31.50	44.50
0-60	3553.56	56.40	79.70
0-90	4458.55	70.80	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	4458.55	70.80	100.00

Total Luminaire Efficiency = 70.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.45
10-20	414.90
20-30	639.81
30-40	787.41
40-50	828.27
50-60	739.72
60-70	545.04
70-80	302.85
80-90	57.10
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

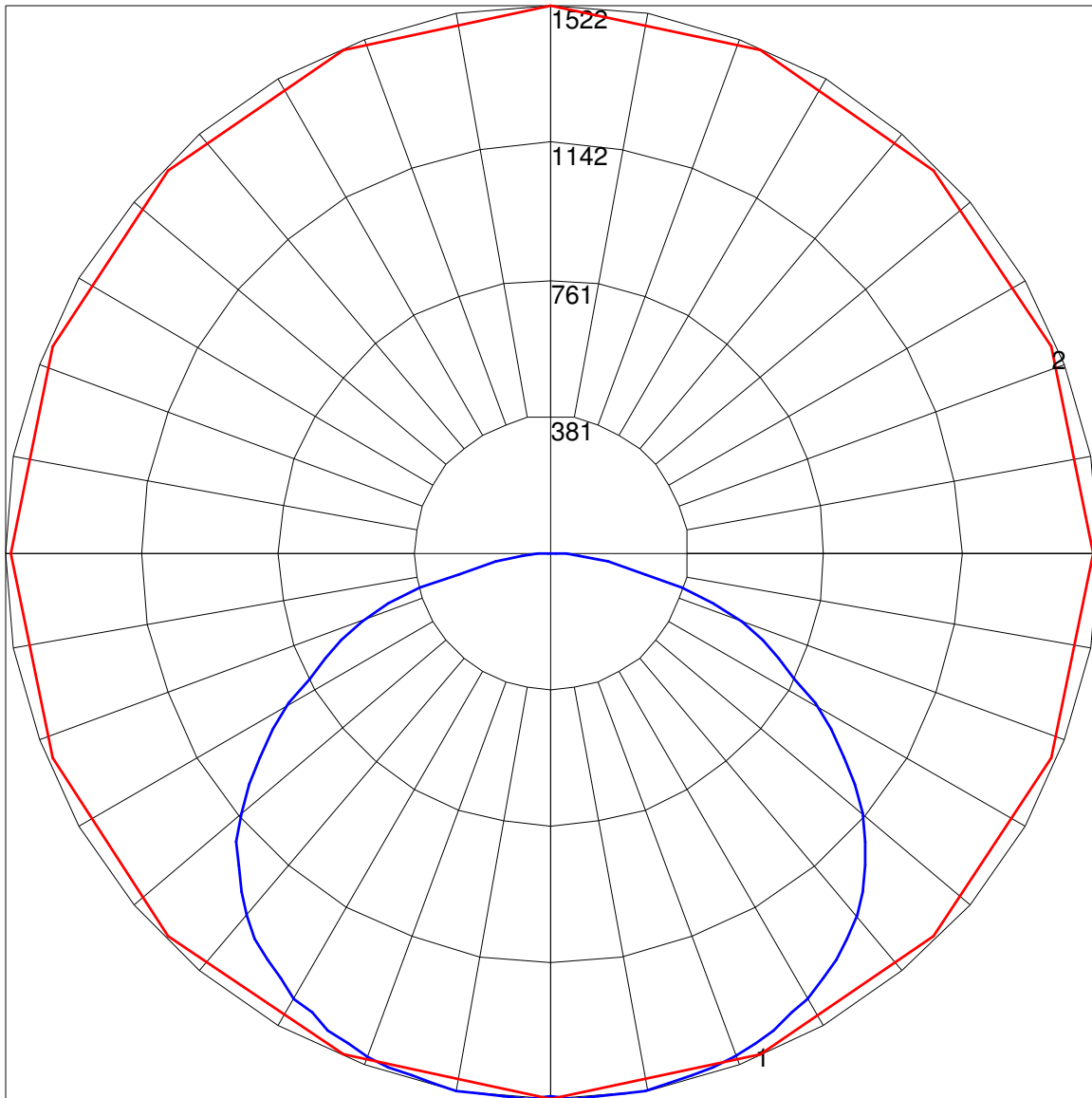
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	84	84	84	82	82	82	82	79	79	79	75	75	75	72	72	72	71
1	77	74	71	68	75	72	69	67	69	67	65	66	65	63	64	62	61	60
2	70	64	59	55	68	63	58	55	60	57	53	58	55	52	56	53	51	50
3	64	56	51	46	62	55	50	46	53	49	45	51	47	44	49	46	43	42
4	58	50	44	39	57	49	43	39	47	42	38	45	41	38	44	40	37	35
5	54	44	38	33	52	44	38	33	42	37	33	41	36	32	39	35	32	31
6	49	40	34	29	48	39	33	29	38	33	29	37	32	28	36	31	28	27
7	46	36	30	26	45	36	30	26	35	29	25	34	29	25	33	28	25	24
8	43	33	27	23	42	33	27	23	32	26	23	31	26	22	30	26	22	21
9	40	30	24	20	39	30	24	20	29	24	20	28	24	20	28	23	20	19
10	37	28	22	19	36	28	22	18	27	22	18	26	22	18	26	21	18	17

POLAR GRAPH



Maximum Candela = 1522 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)