

Day-Brite

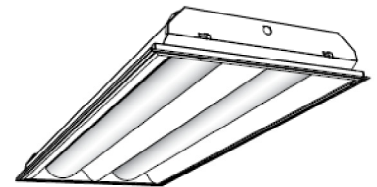
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 25793.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 25793
[DATE] 11/08/2005
[LUMCAT] 2ATWG232-WO-1/2-EB
[LUMINAIRE] DAY-BRITE 2X4 ATTUNE WIDE DISTRIBUTION
[MORE] W/ BAFFLE & OVERLAY
[LAMP] F32T8
[BALLAST] TRIAD B232I120RH-A
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 11/8/2005
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	2850 (2 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	3973
Total Luminaire Efficiency	70 %
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	59
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.83 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	1606	2006	2517
55	1166	1785	2417
65	815	1644	1995
75	715	1277	769
85	562	825	193

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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	1695	1695	1695	1695	1695
2.5	1708	1701	1691	1681	1677
5.0	1683	1682	1678	1677	1676
7.5	1651	1654	1660	1672	1676
10.0	1609	1615	1635	1660	1674
12.5	1559	1563	1594	1639	1660
15.0	1520	1533	1575	1632	1666
17.5	1469	1487	1540	1613	1658
20.0	1415	1436	1503	1591	1644
22.5	1345	1381	1454	1547	1619
25.0	1286	1322	1410	1512	1586
27.5	1232	1270	1370	1475	1551
30.0	1174	1210	1319	1428	1504
32.5	1105	1143	1260	1374	1457
35.0	1034	1081	1195	1309	1404
37.5	965	1017	1130	1250	1349
40.0	890	947	1064	1189	1288
42.5	819	874	993	1124	1228
45.0	742	803	927	1063	1163
47.5	665	728	857	1001	1102
50.0	592	656	790	937	1041
52.5	515	586	728	874	970
55.0	437	512	669	814	906
57.5	364	450	611	752	840
60.0	299	394	554	693	760
62.5	256	338	504	620	660
65.0	225	289	454	534	551
67.5	196	248	404	446	447
70.0	169	211	340	365	340
72.5	145	180	274	280	237
75.0	121	153	216	193	130
77.5	97	126	162	122	52
80.0	75	97	109	82	31
82.5	54	70	75	59	22
85.0	32	43	47	33	11
87.5	13	21	23	14	3
90.0	2	4	1	1	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1259.66	22.10	31.70
0-40	2010.75	35.30	50.60
0-60	3330.24	58.40	83.80
0-90	3973.18	69.70	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	3973.18	69.70	100.00

Total Luminaire Efficiency = 69.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.02
10-20	445.65
20-30	654.99
30-40	751.09
40-50	721.89
50-60	597.60
60-70	412.53
70-80	187.80
80-90	42.61
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

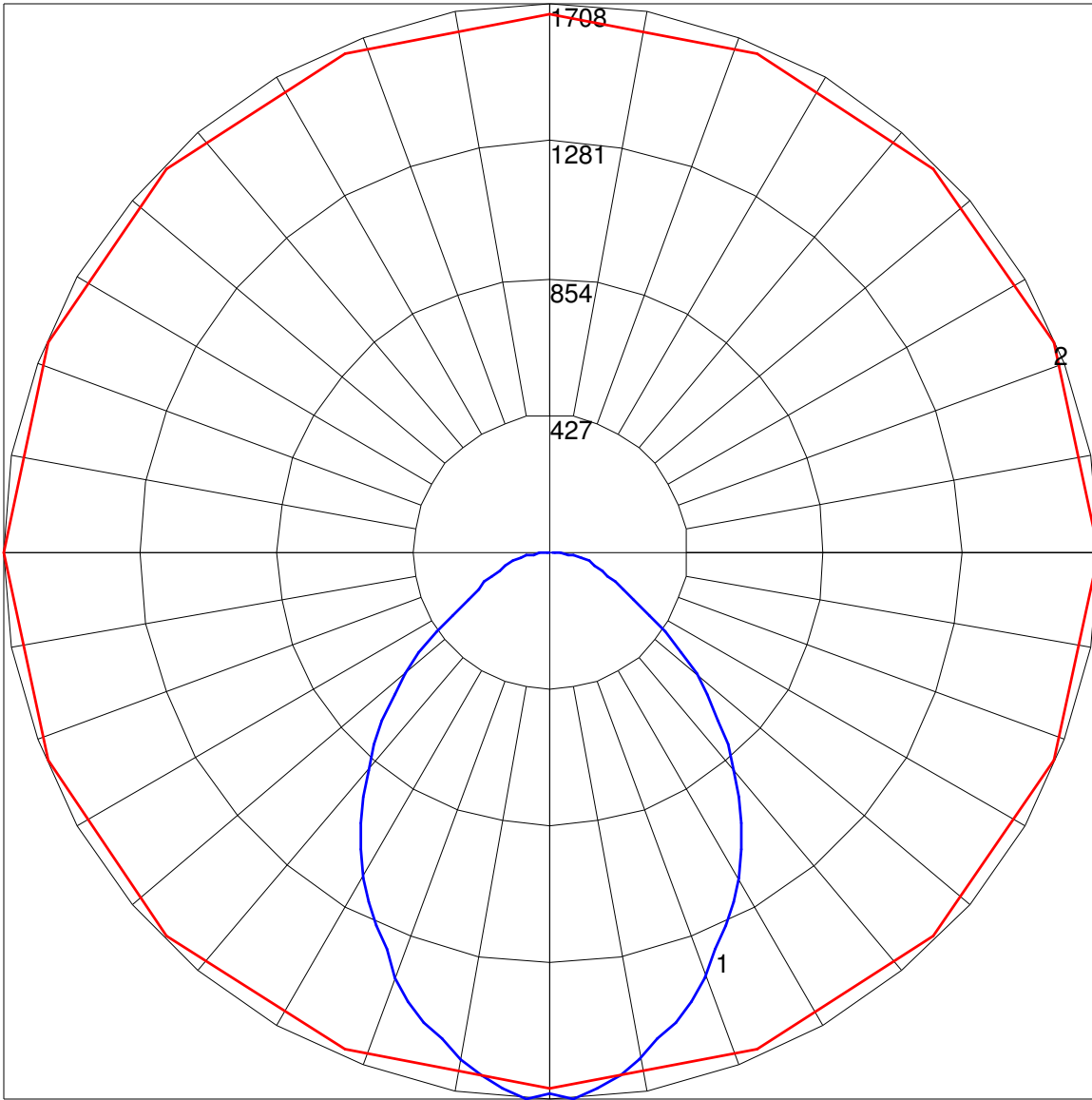
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	83	83	83	81	81	81	81	77	77	77	74	74	74	71	71	71	70
1	76	73	71	68	75	72	69	67	69	67	65	66	65	63	64	62	61	60
2	70	65	60	57	68	63	59	56	61	58	55	59	56	53	57	54	52	51
3	64	57	52	48	63	56	51	47	54	50	46	52	49	46	51	47	45	43
4	59	51	45	41	57	50	45	41	48	44	40	47	43	39	45	42	39	37
5	54	46	40	35	53	45	39	35	44	39	35	42	38	35	41	37	34	33
6	50	41	36	31	49	41	35	31	40	35	31	38	34	31	37	33	30	29
7	47	38	32	28	46	37	32	28	36	31	27	35	31	27	34	30	27	26
8	44	35	29	25	43	34	29	25	33	28	25	32	28	25	32	27	24	23
9	41	32	26	23	40	31	26	22	31	26	22	30	25	22	29	25	22	21
10	38	29	24	20	38	29	24	20	28	24	20	28	23	20	27	23	20	19

POLAR GRAPH



Maximum Candela = 1708 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.)