

# Day-Brite

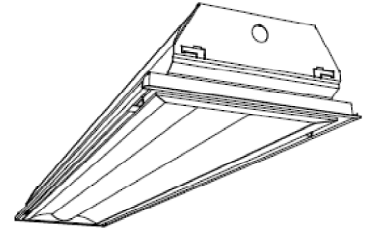
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 27096D1.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 27096  
[DATE] 11/09/2007  
[LUMCAT] 1STGA132-PMW-1/1-EB  
[LUMINAIRE] DAY-BRITE 1X4 SOFTRACE AIR W/PERFORATED BASKET  
[LAMP] F32T8  
[BALLAST] QUICKTRONIC QTP2X32T8/UNV ISN-SC  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUE DATE] 11/9/2007  
[\_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	2850 (1 lamp)
Total Lamp Lumens	2850
Luminaire Lumens	2055
Total Luminaire Efficiency	72 %
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	37
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.81 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	2134	2415	2606
55	1967	2284	2429
65	1691	1973	2075
75	1330	1509	1342
85	987	683	645

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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	697	697	697	697	697
2.5	699	699	698	695	693
5.0	696	697	696	693	692
7.5	692	693	693	691	690
10.0	686	688	689	689	689
12.5	682	684	686	686	687
15.0	671	673	678	682	683
17.5	660	663	671	676	680
20.0	649	653	663	672	677
22.5	637	642	655	668	675
25.0	622	628	645	662	670
27.5	609	619	641	657	665
30.0	589	597	623	648	658
32.5	571	580	611	639	650
35.0	551	563	595	627	639
37.5	529	542	578	612	624
40.0	505	519	560	594	606
42.5	481	499	539	573	583
45.0	456	472	516	547	557
47.5	428	447	491	519	529
50.0	400	419	460	488	495
52.5	372	390	429	454	460
55.0	341	358	396	417	421
57.5	309	326	362	378	383
60.0	277	295	323	342	345
62.5	246	261	287	302	304
65.0	216	229	252	262	265
67.5	186	198	217	224	227
70.0	158	167	183	187	187
72.5	131	139	152	149	145
75.0	104	113	118	111	105
77.5	82	88	88	74	69
80.0	61	66	56	48	48
82.5	41	45	33	31	31
85.0	26	22	18	18	17
87.5	11	8	7	6	6
90.0	4	2	1	1	1

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	555.90	19.50	27.00
0-40	927.66	32.50	45.10
0-60	1666.87	58.50	81.10
0-90	2055.47	72.10	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	2055.47	72.10	100.00

Total Luminaire Efficiency = 72.10%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	66.13
10-20	191.52
20-30	298.25
30-40	371.76
40-50	392.98
50-60	346.24
60-70	243.81
70-80	119.66
80-90	25.12
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

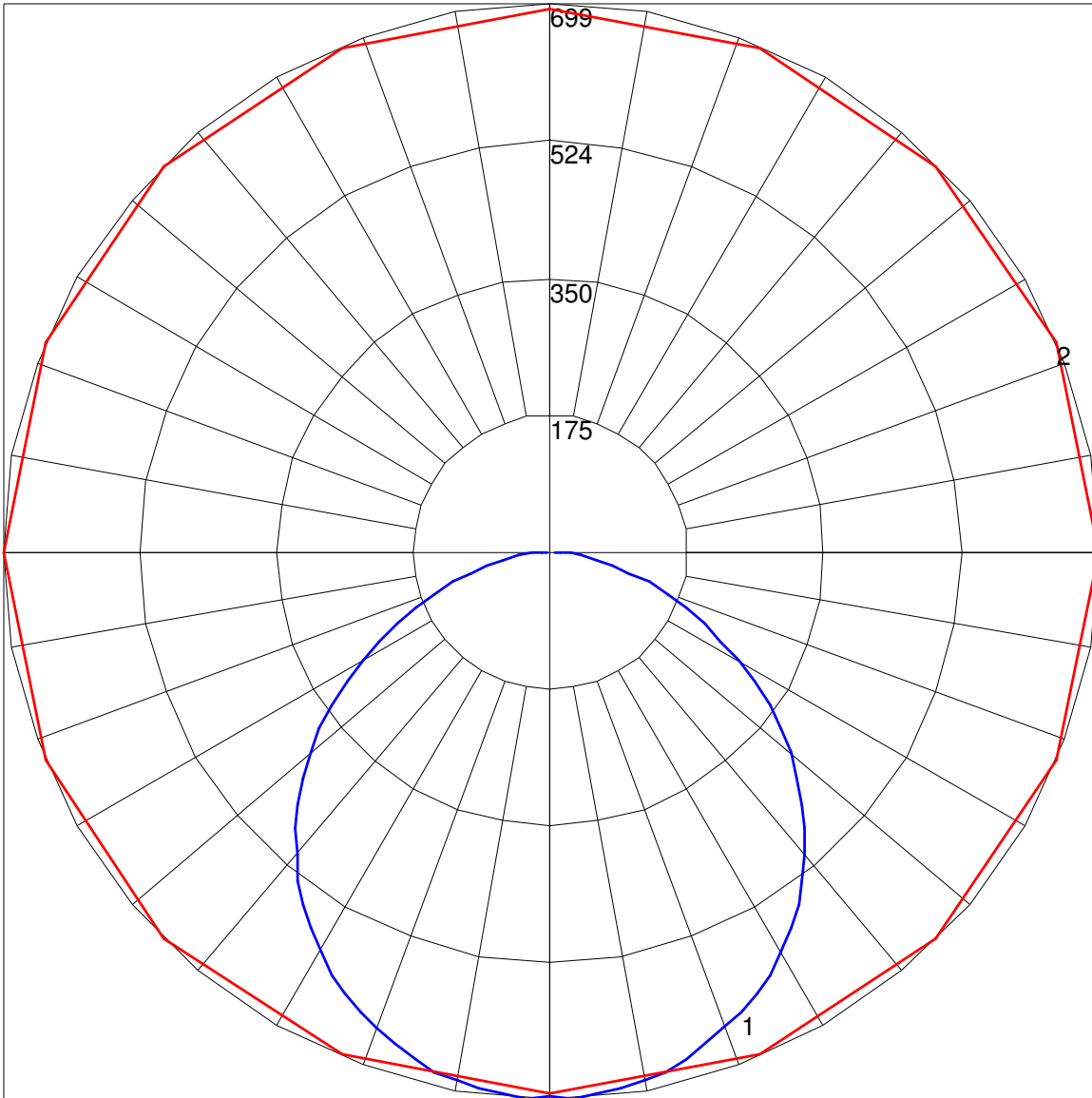
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	86	86	86	86	84	84	84	84	80	80	80	77	77	77	74	74	74	72	72
1	79	75	72	70	77	74	71	69	71	68	66	68	66	64	65	64	62	61	61
2	72	66	61	57	70	64	60	56	62	58	55	60	56	54	57	55	53	51	51
3	65	58	52	47	64	57	51	47	55	50	46	53	49	45	51	47	45	43	43
4	60	51	45	40	58	50	44	40	48	43	39	47	42	39	45	41	38	37	37
5	55	46	39	34	53	45	39	34	43	38	34	42	37	34	41	36	33	32	32
6	51	41	35	30	49	40	34	30	39	34	30	38	33	29	37	32	29	28	28
7	47	37	31	26	46	37	31	26	35	30	26	34	30	26	33	29	26	24	24
8	44	34	28	24	43	33	28	23	32	27	23	32	27	23	31	26	23	22	22
9	41	31	25	21	40	31	25	21	30	25	21	29	24	21	28	24	21	19	19
10	38	29	23	19	37	28	23	19	28	22	19	27	22	19	26	22	19	18	18

POLAR GRAPH



Maximum Candela = 699 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.)