

# Day-Brite

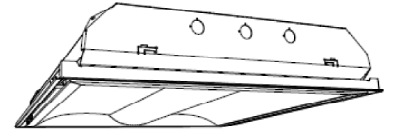
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 27067D1.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 27067  
[DATE] 10/30/2007  
[LUMCAT] 2STGA214-D-1/2-EB  
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE AIR W/DIFFUSE DIFFUSER  
[LAMP] F14T5  
[BALLAST] TRIAD B228PUNV-C  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUE DATE] 10/31/2007  
[\_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	1200 (2 lamps)
Total Lamp Lumens	2400
Luminaire Lumens	2135
Total Luminaire Efficiency	89 %
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.81 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	1951	2047	2278
55	1712	1991	2379
65	1418	1853	2302
75	1100	1570	2029
85	749	1021	987

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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	772	772	772	772	772
2.5	767	767	770	773	775
5.0	764	765	767	770	772
7.5	760	760	762	764	767
10.0	753	753	755	757	760
12.5	744	746	747	749	750
15.0	734	736	737	738	739
17.5	723	723	725	726	725
20.0	708	709	710	711	712
22.5	692	693	694	695	696
25.0	673	675	675	677	679
27.5	657	658	658	661	663
30.0	632	633	635	638	640
32.5	606	609	612	617	622
35.0	580	584	588	598	605
37.5	553	557	564	579	590
40.0	528	527	540	561	574
42.5	495	497	514	543	559
45.0	465	467	488	525	543
47.5	431	439	464	506	527
50.0	397	405	439	486	507
52.5	365	373	413	465	486
55.0	331	341	385	439	460
57.5	298	310	356	411	432
60.0	266	278	327	381	402
62.5	233	245	295	347	368
65.0	202	216	264	312	328
67.5	174	188	231	275	291
70.0	146	158	200	239	254
72.5	121	132	169	203	216
75.0	96	106	137	167	177
77.5	75	83	110	132	138
80.0	56	63	83	94	96
82.5	37	43	55	55	55
85.0	22	24	30	30	29
87.5	9	10	11	10	10
90.0	3	1	0	0	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	592.31	24.70	27.70
0-40	962.10	40.10	45.10
0-60	1693.4	70.60	79.30
0-90	2134.98	89.00	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	2134.98	89.00	100.00

Total Luminaire Efficiency = 89.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	72.87
10-20	207.79
20-30	311.65
30-40	369.78
40-50	382.97
50-60	348.34
60-70	261.57
70-80	145.46
80-90	34.55
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

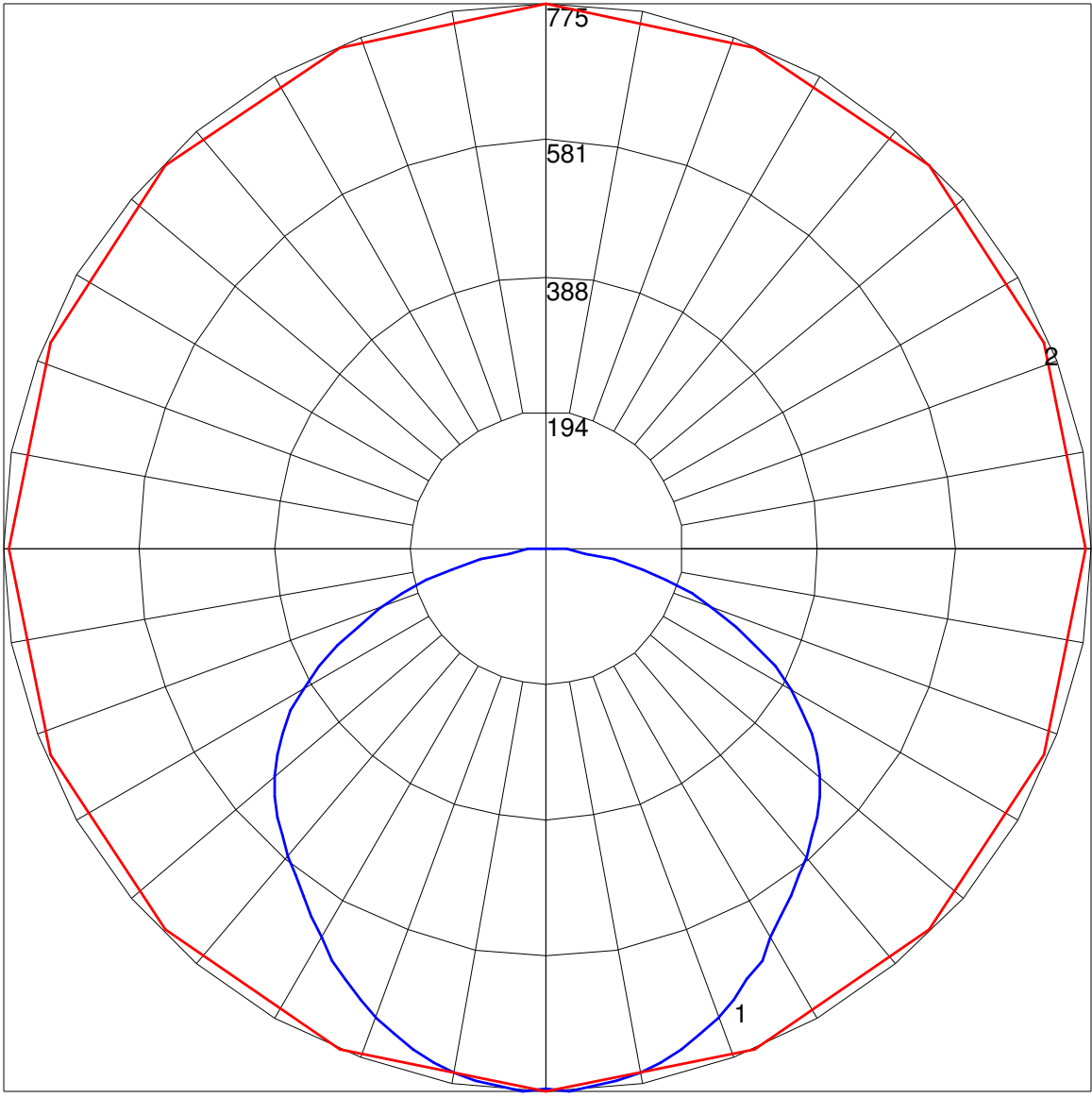
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	106	106	106	103	103	103	103	99	99	99	95	95	95	91	91	91	89
1	97	93	89	85	94	91	87	84	87	84	81	83	81	79	80	78	77	75
2	88	81	75	70	86	79	73	69	76	71	67	73	69	66	70	67	64	62
3	80	71	64	58	78	69	63	57	67	61	56	64	59	55	62	58	54	52
4	73	63	55	49	71	62	54	49	59	53	48	57	52	47	55	51	47	45
5	68	56	48	42	66	55	48	42	53	47	41	51	46	41	50	45	41	39
6	62	50	43	37	61	50	42	37	48	41	36	47	41	36	45	40	36	34
7	58	46	38	32	56	45	38	32	44	37	32	42	36	32	41	36	32	30
8	54	42	34	29	52	41	34	29	40	33	29	39	33	29	38	32	28	27
9	50	38	31	26	49	38	31	26	37	30	26	36	30	26	35	30	26	24
10	47	35	28	24	46	35	28	24	34	28	23	33	27	23	32	27	23	22

POLAR GRAPH



Maximum Candela = 775 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.)