

# Day-Brite

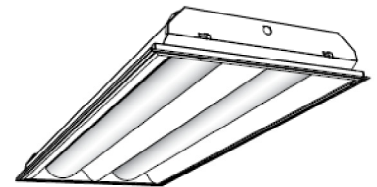
IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 25459.IES

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 25459  
[DATE] 07/11/2005  
[LUMCAT] 2ATNG228-D-1/2-EB  
[LUMINAIRE] DAY-BRITE 2X4 ATTUNE STANDARD DIST  
[MORE] W/DIFFUSE DIFFUSER  
[LAMP] F28T5  
[BALLAST] TRIAD B228PUNV-C  
[MANUFAC] PHILIPS DAY-BRITE  
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS  
[MORE] NVLAP LABORATORY CODE 200016-0  
[ISSUEDATE] 7/11/2005  
[\_TEST\_LEVEL]  
[\_TIFF\_FILE\_NAME]  
[\_VERSION] fo2ies 3.0d(90)  
[OTHER] Reflection factor 0.95, Test distance = 26 ft.  
[MORE] Shielding angle: normal 90, Parallel 90

## CHARACTERISTICS

Lumens Per Lamp	2600 (2 lamps)
Total Lamp Lumens	5200
Luminaire Lumens	4416
Total Luminaire Efficiency	85 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	63
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.28
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	2331	2337	2184
55	1996	1996	1699
65	1633	1557	1025
75	1248	1005	698
85	808	509	334

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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>
<b>0.0</b>	1941	1941	1941	1941	1941
<b>2.5</b>	1946	1954	1946	1929	1911
<b>5.0</b>	1936	1946	1936	1921	1901
<b>7.5</b>	1923	1933	1921	1907	1888
<b>10.0</b>	1901	1909	1901	1888	1868
<b>12.5</b>	1875	1885	1879	1865	1846
<b>15.0</b>	1846	1854	1845	1830	1814
<b>17.5</b>	1810	1815	1809	1796	1782
<b>20.0</b>	1763	1772	1768	1752	1738
<b>22.5</b>	1716	1726	1720	1706	1690
<b>25.0</b>	1663	1669	1666	1650	1630
<b>27.5</b>	1602	1610	1606	1590	1573
<b>30.0</b>	1538	1546	1542	1517	1504
<b>32.5</b>	1471	1478	1474	1451	1431
<b>35.0</b>	1401	1407	1398	1376	1356
<b>37.5</b>	1321	1328	1324	1294	1272
<b>40.0</b>	1242	1249	1246	1213	1187
<b>42.5</b>	1162	1169	1166	1123	1103
<b>45.0</b>	1077	1090	1080	1039	1009
<b>47.5</b>	994	1003	997	954	923
<b>50.0</b>	911	920	914	866	834
<b>52.5</b>	825	838	831	778	738
<b>55.0</b>	748	758	748	689	637
<b>57.5</b>	670	679	671	586	527
<b>60.0</b>	594	604	595	492	430
<b>62.5</b>	522	531	513	400	348
<b>65.0</b>	451	461	430	323	283
<b>67.5</b>	384	398	353	258	229
<b>70.0</b>	323	335	283	207	185
<b>72.5</b>	263	280	219	165	150
<b>75.0</b>	211	224	170	129	118
<b>77.5</b>	161	171	127	99	92
<b>80.0</b>	116	123	88	72	65
<b>82.5</b>	79	80	57	46	43
<b>85.0</b>	46	43	29	21	19
<b>87.5</b>	18	14	6	5	5
<b>90.0</b>	4	1	1	1	0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	1464.17	28.20	33.20
0-40	2331.31	44.80	52.80
0-60	3794.74	73.00	85.90
0-90	4416.46	84.90	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	4416.46	84.90	100.00

Total Luminaire Efficiency = 84.90%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	183.19
10-20	518.50
20-30	762.48
30-40	867.15
40-50	819.40
50-60	644.03
60-70	396.29
70-80	184.97
80-90	40.46
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

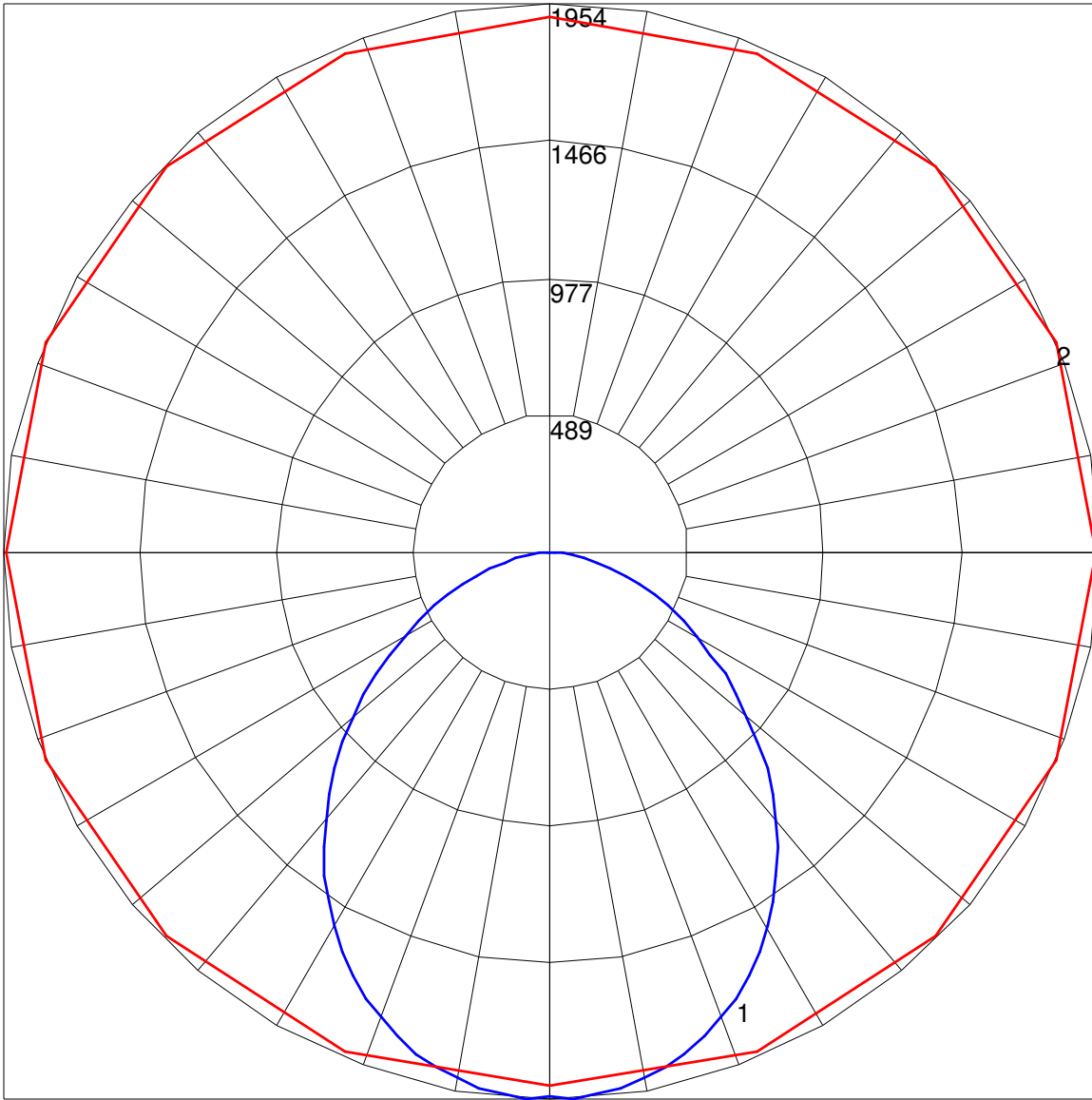
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	101	101	101	101	99	99	99	99	94	94	94	90	90	90	87	87	87	85
1	93	90	87	84		91	88	85	82	84	82	80	81	79	77	78	77	75	73
2	86	79	74	70		84	78	73	69	75	71	67	72	69	66	70	67	64	63
3	79	71	64	59		77	69	63	59	67	62	58	65	60	57	62	59	56	54
4	73	63	56	51		71	62	56	51	60	54	50	58	53	49	56	52	49	47
5	67	57	50	44		65	56	49	44	54	48	44	53	47	43	51	46	43	41
6	62	51	44	39		61	51	44	39	49	43	39	48	42	38	47	42	38	36
7	58	47	40	35		56	46	40	35	45	39	35	44	38	34	43	38	34	32
8	54	43	36	31		53	42	36	31	41	35	31	40	35	31	39	34	31	29
9	51	40	33	28		49	39	33	28	38	32	28	37	32	28	36	32	28	26
10	47	37	30	26		46	36	30	26	35	30	26	35	29	26	34	29	25	24

POLAR GRAPH



Maximum Candela = 1954 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)