

Day-Brite

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 25418.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 25418
[DATE] 06/23/2005
[LUMCAT] 2ATNG232-D-1/2-EB
[LUMINAIRE] DAY-BRITE 2X4 ATTUNE STANDARD DIST
[MORE] W/DIFFUSE DIFFUSER
[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] 6/23/2005
[_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	2850 (2 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	5018
Total Luminaire Efficiency	88 %
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	60
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
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	2551	2664	2653
55	2222	2377	2206
65	1850	1955	1434
75	1431	1295	940
85	948	650	421

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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	2052	2052	2052	2052	2052
2.5	2071	2055	2049	2039	2032
5.0	2063	2047	2042	2033	2028
7.5	2047	2032	2030	2023	2018
10.0	2026	2014	2015	2009	2005
12.5	1997	1986	1993	1990	1988
15.0	1966	1957	1964	1967	1963
17.5	1930	1922	1934	1938	1934
20.0	1886	1881	1897	1903	1900
22.5	1842	1839	1858	1862	1866
25.0	1783	1780	1803	1810	1810
27.5	1723	1723	1749	1757	1755
30.0	1651	1660	1688	1697	1696
32.5	1585	1588	1622	1630	1628
35.0	1512	1523	1560	1563	1561
37.5	1435	1446	1479	1485	1481
40.0	1353	1367	1398	1406	1396
42.5	1266	1279	1316	1319	1312
45.0	1179	1193	1231	1231	1226
47.5	1091	1110	1148	1145	1140
50.0	1005	1022	1060	1058	1045
52.5	917	935	973	966	944
55.0	833	852	891	870	827
57.5	751	767	810	763	711
60.0	666	689	722	646	595
62.5	589	609	635	538	487
65.0	511	535	540	441	396
67.5	437	464	447	357	318
70.0	368	393	362	284	254
72.5	305	330	290	223	204
75.0	242	268	219	174	159
77.5	188	206	164	131	121
80.0	137	149	117	94	86
82.5	91	98	75	60	54
85.0	54	53	37	27	24
87.5	24	16	8	6	5
90.0	7	2	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1575.55	27.60	31.40
0-40	2538.98	44.50	50.60
0-60	4243.56	74.40	84.60
0-90	5017.72	88.00	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	5017.72	88.00	100.00

Total Luminaire Efficiency = 88.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.98
10-20	553.77
20-30	827.81
30-40	963.43
40-50	937.04
50-60	767.55
60-70	491.32
70-80	232.23
80-90	50.60
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

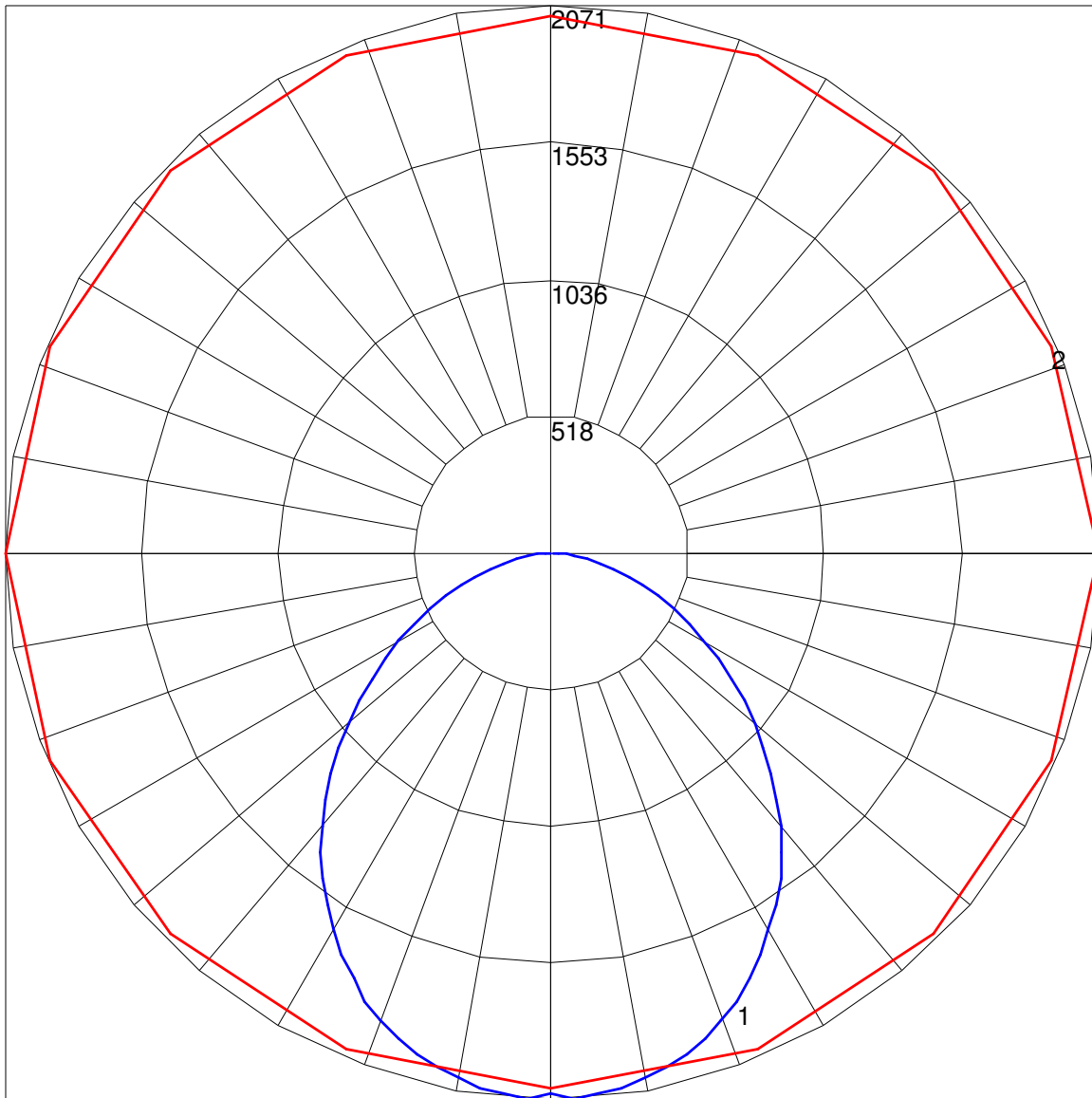
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	105	105	105	105	102	102	102	102	98	98	98	94	94	94	90	90	90	88
1	97	93	89	86	94	91	88	85	87	85	82	84	82	80	81	79	77	76
2	89	82	76	72	86	80	75	71	77	73	69	74	71	68	72	69	66	64
3	81	72	66	60	79	71	65	60	69	63	59	66	62	58	64	60	57	55
4	75	65	57	52	73	63	57	51	61	55	51	59	54	50	57	53	49	47
5	69	58	50	45	67	57	50	45	55	49	44	53	48	44	52	47	43	41
6	64	52	45	39	62	52	44	39	50	44	39	49	43	39	47	42	38	37
7	59	48	40	35	58	47	40	35	46	39	35	44	39	34	43	38	34	32
8	55	44	36	31	54	43	36	31	42	36	31	41	35	31	40	35	31	29
9	52	40	33	28	50	40	33	28	39	32	28	38	32	28	37	32	28	26
10	48	37	30	26	47	37	30	26	36	30	26	35	29	26	34	29	25	24

POLAR GRAPH



Maximum Candela = 2071 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.)