

Day-Brite

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 25791.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 25791
[DATE] 11/08/2005
[LUMCAT] 2ATNG232-SMW-1/2-EB
[LUMINAIRE] DAY-BRITE 2X4 ATTUNE STANDARD DIST
[MORE] W/PERFORATED BASKET & 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
[ISSUE DATE] 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	2669
Total Luminaire Efficiency	47 %
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	58
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.36
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	1430	1357	1324
55	1393	1302	1227
65	1332	1177	1061
75	1224	934	763
85	790	334	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	967	967	967	967	967
2.5	973	971	969	961	958
5.0	969	968	965	958	954
7.5	964	961	959	952	947
10.0	958	955	951	943	939
12.5	942	938	933	927	920
15.0	937	933	929	918	913
17.5	924	920	914	904	898
20.0	910	906	897	885	880
22.5	893	891	874	861	858
25.0	871	869	854	836	840
27.5	852	846	834	820	813
30.0	829	821	809	793	787
32.5	804	796	788	766	763
35.0	779	770	753	739	733
37.5	751	742	722	708	703
40.0	722	710	691	678	671
42.5	692	679	658	646	641
45.0	661	647	627	615	612
47.5	628	613	591	584	582
50.0	593	577	557	552	539
52.5	559	542	523	506	497
55.0	522	503	488	465	460
57.5	486	465	453	426	419
60.0	447	428	407	386	378
62.5	408	388	368	344	334
65.0	368	349	325	301	293
67.5	327	310	284	261	252
70.0	288	271	241	219	210
72.5	247	231	200	175	167
75.0	207	188	158	136	129
77.5	165	150	118	97	92
80.0	123	108	79	63	56
82.5	85	70	45	34	30
85.0	45	34	19	13	11
87.5	15	9	3	2	1
90.0	3	2	2	1	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	746.38	13.10	28.00
0-40	1218.23	21.40	45.60
0-60	2140.07	37.50	80.20
0-90	2669.4	46.80	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	2669.4	46.80	100.00

Total Luminaire Efficiency = 46.80%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.48
10-20	261.04
20-30	393.87
30-40	471.85
40-50	486.61
50-60	435.23
60-70	323.29
70-80	172.37
80-90	33.67
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

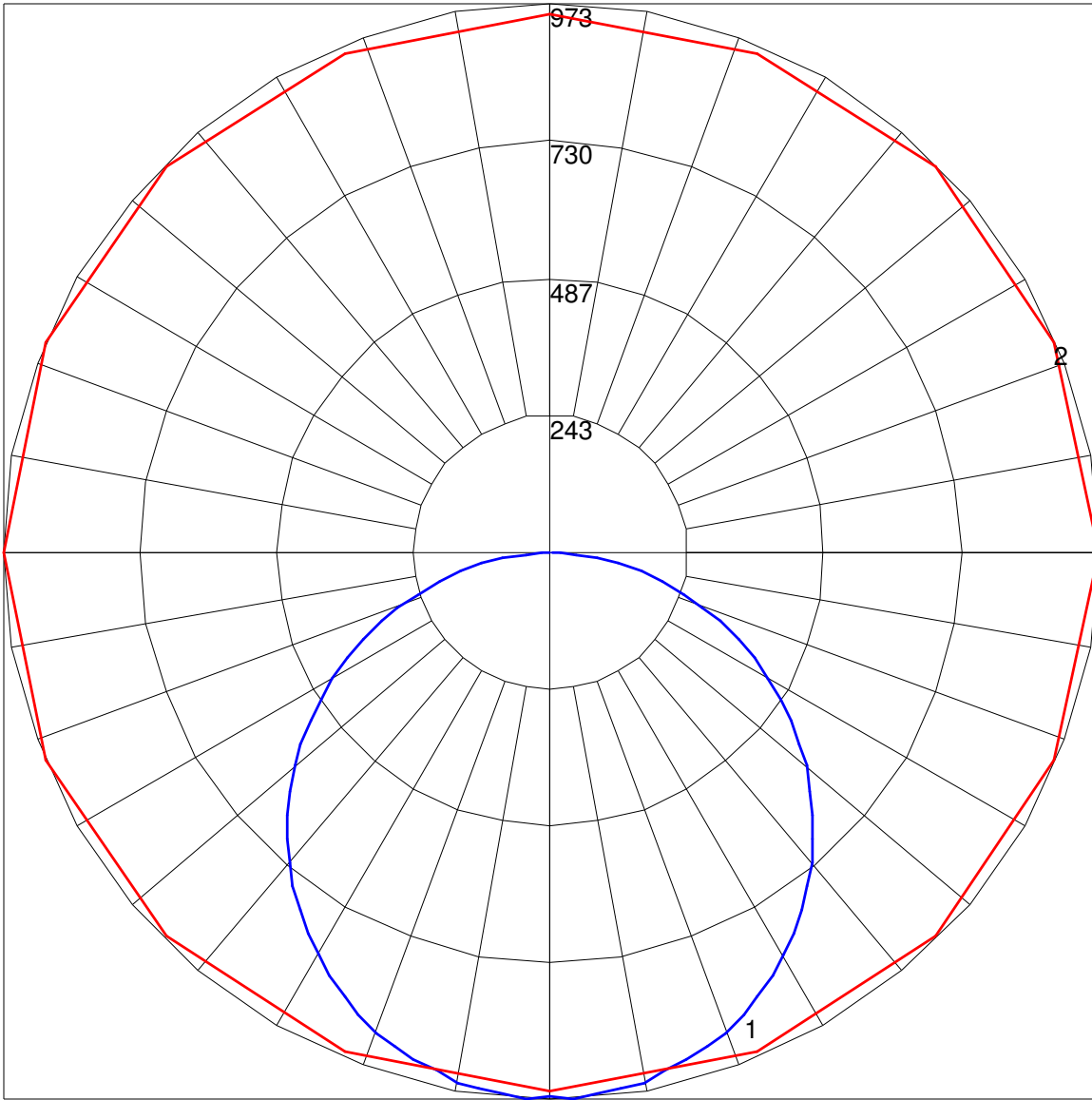
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	56	56	56	56	54	54	54	54	52	52	52	50	50	50	48	48	48	47	47
1	51	49	47	45	50	48	46	44	46	44	43	44	43	42	42	41	40	40	40
2	46	43	40	37	45	42	39	36	40	38	36	39	37	35	37	35	34	33	33
3	42	37	34	31	41	37	33	30	35	32	30	34	31	29	33	31	29	28	28
4	39	33	29	26	38	33	29	26	31	28	25	30	27	25	29	27	25	24	24
5	36	30	25	22	35	29	25	22	28	25	22	27	24	22	26	24	22	21	21
6	33	27	23	20	32	26	22	19	25	22	19	25	22	19	24	21	19	18	18
7	31	24	20	17	30	24	20	17	23	20	17	22	19	17	22	19	17	16	16
8	28	22	18	15	28	22	18	15	21	18	15	21	17	15	20	17	15	14	14
9	27	20	16	14	26	20	16	14	19	16	14	19	16	14	18	16	14	13	13
10	25	19	15	13	24	18	15	13	18	15	12	18	15	12	17	14	12	12	12

POLAR GRAPH



Maximum Candela = 973 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.)