

Day-Brite

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 25790.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 25790
[DATE] 11/07/2005
[LUMCAT] 2ATNG232-PMW-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] 11/7/2005
[_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	2734
Total Luminaire Efficiency	48 %
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	58
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.26
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	1257	1422	1645
55	1027	1390	1598
65	735	1249	1144
75	538	745	780
85	246	316	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>
0.0	1081	1081	1081	1081	1081
2.5	1091	1085	1078	1071	1067
5.0	1085	1079	1073	1066	1062
7.5	1075	1069	1064	1058	1055
10.0	1060	1056	1052	1047	1046
12.5	1041	1035	1032	1028	1026
15.0	1030	1021	1019	1020	1023
17.5	1002	999	999	1006	1006
20.0	982	974	977	984	988
22.5	947	942	952	963	975
25.0	916	908	926	951	961
27.5	879	877	893	931	930
30.0	842	845	868	895	904
32.5	803	805	841	868	883
35.0	767	767	808	839	872
37.5	719	727	766	820	865
40.0	676	684	726	808	846
42.5	629	638	688	789	807
45.0	581	595	657	750	760
47.5	534	554	634	703	708
50.0	482	512	608	647	660
52.5	433	469	568	595	639
55.0	385	420	521	573	599
57.5	336	373	467	532	531
60.0	288	331	416	466	461
62.5	244	294	390	389	386
65.0	203	264	345	321	316
67.5	166	233	282	259	258
70.0	139	194	214	214	213
72.5	115	152	162	172	174
75.0	91	129	126	132	132
77.5	68	92	93	96	96
80.0	48	56	64	66	65
82.5	29	37	39	40	39
85.0	14	19	18	19	19
87.5	5	7	7	7	8
90.0	2	1	1	2	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	817.39	14.30	29.90
0-40	1323.33	23.20	48.40
0-60	2282.15	40.00	83.50
0-90	2733.92	48.00	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	2733.92	48.00	100.00

Total Luminaire Efficiency = 48.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.75
10-20	287.58
20-30	428.06
30-40	505.95
40-50	515.06
50-60	443.76
60-70	293.82
70-80	132.52
80-90	25.44
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

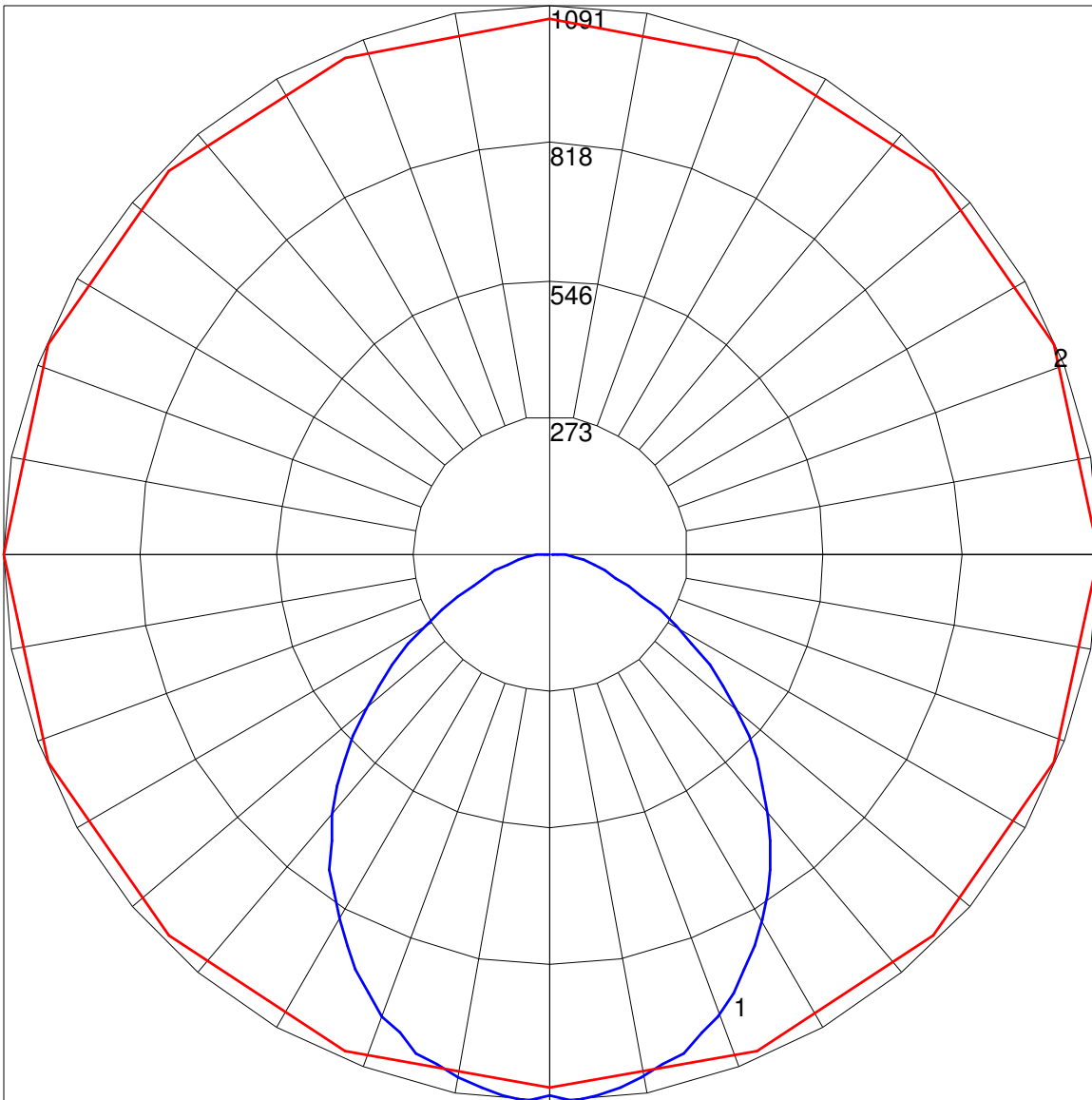
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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		57	57	57	57	56	56	56	56	53	53	53	51	51	51	49	49	49	48
1		53	50	49	47	51	49	48	46	47	46	45	46	44	43	44	43	42	41
2		48	44	41	39	47	43	41	38	42	39	37	40	38	36	39	37	36	35
3		44	39	35	32	43	38	35	32	37	34	32	36	33	31	34	32	31	29
4		40	35	31	28	39	34	30	27	33	30	27	32	29	27	31	28	26	25
5		37	31	27	24	36	31	27	24	30	26	24	29	26	23	28	25	23	22
6		34	28	24	21	33	28	24	21	27	23	21	26	23	20	25	22	20	19
7		32	26	21	19	31	25	21	18	24	21	18	24	21	18	23	20	18	17
8		30	23	19	17	29	23	19	17	22	19	16	22	19	16	21	18	16	15
9		28	21	18	15	27	21	17	15	21	17	15	20	17	15	20	17	15	14
10		26	20	16	14	25	20	16	14	19	16	13	19	16	13	18	15	13	13

POLAR GRAPH



Maximum Candela = 1091 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.)