

Day-Brite

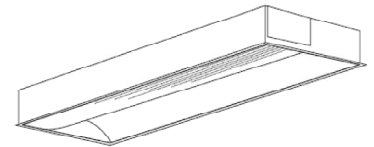
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 23827.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 23827
[DATE] 05/01/2003
[LUMCAT] 1AVAG232-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 4-FT ASYMMETRIC ARIOSO
[MORE] W/ SIDE MOUNTED BASKET
[LAMP] F32T8
[BALLAST] ADVANCE REL-2P32-SC
[MANUFAC] PHILIPS DAY-BRITE
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0a(90-270)
[OTHER] Reflection factor 0.88, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	2850 (2 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	3289
Total Luminaire Efficiency	58 %
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	57
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.92 ft
Luminous Width (90-270)	0.90 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3195	3945	4239
55	3094	4222	4799
65	2916	4707	5396
75	2712	4891	4062
85	2216	844	668

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CANDELA TABULATION

	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>
0.0	1066	1066	1066	1066	1066	1066	1066	1066	1066
2.5	1070	1072	1078	1083	1076	1068	1053	1042	1042
5.0	1076	1077	1080	1083	1074	1060	1045	1033	1026
7.5	1079	1081	1082	1083	1068	1047	1031	1012	1006
10.0	1086	1086	1083	1079	1060	1039	1015	995	992
12.5	1089	1087	1083	1072	1050	1026	993	980	969
15.0	1091	1089	1079	1065	1038	1009	980	954	937
17.5	1091	1087	1076	1055	1024	989	960	919	901
20.0	1091	1087	1070	1045	1007	967	931	885	866
22.5	1089	1083	1062	1030	988	942	897	849	828
25.0	1085	1077	1053	1014	968	916	862	807	786
27.5	1080	1072	1042	1001	946	890	825	765	752
30.0	1070	1060	1027	976	920	864	787	735	725
32.5	1062	1049	1013	955	894	837	747	704	695
35.0	1049	1038	997	934	865	801	704	672	664
37.5	1034	1022	979	907	836	765	670	640	632
40.0	1016	1003	957	883	804	725	637	609	602
42.5	996	984	935	855	771	686	601	578	572
45.0	978	961	910	825	737	642	566	546	541
47.5	963	942	881	795	699	600	531	512	508
50.0	943	921	851	761	662	555	497	481	478
52.5	923	898	820	725	620	512	464	448	447
55.0	898	874	790	687	579	464	428	417	417
57.5	869	846	758	648	536	423	395	386	388
60.0	838	815	725	611	493	382	361	356	357
62.5	795	776	688	569	447	342	327	323	326
65.0	744	729	649	524	402	303	295	295	295
67.5	682	674	606	478	358	271	266	265	267
70.0	600	603	554	432	314	235	235	234	238
72.5	475	507	491	392	273	200	204	204	207
75.0	343	379	413	344	229	169	174	177	178
77.5	200	238	313	293	185	138	146	147	149
80.0	69	78	195	236	141	109	116	117	120
82.5	38	40	54	173	100	82	88	89	93
85.0	19	21	24	82	63	52	58	59	62
87.5	6	7	10	19	31	24	28	31	32
90.0	0	0	2	8	13	6	4	4	4

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	831.27	14.60	25.30
0-40	1368.71	24.00	41.60
0-60	2490.31	43.70	75.70
0-90	3289.43	57.70	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	3289.43	57.70	100.00

Total Luminaire Efficiency = 57.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.97
10-20	290.10
20-30	440.21
30-40	537.44
40-50	573.90
50-60	547.70
60-70	458.80
70-80	278.35
80-90	61.97
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

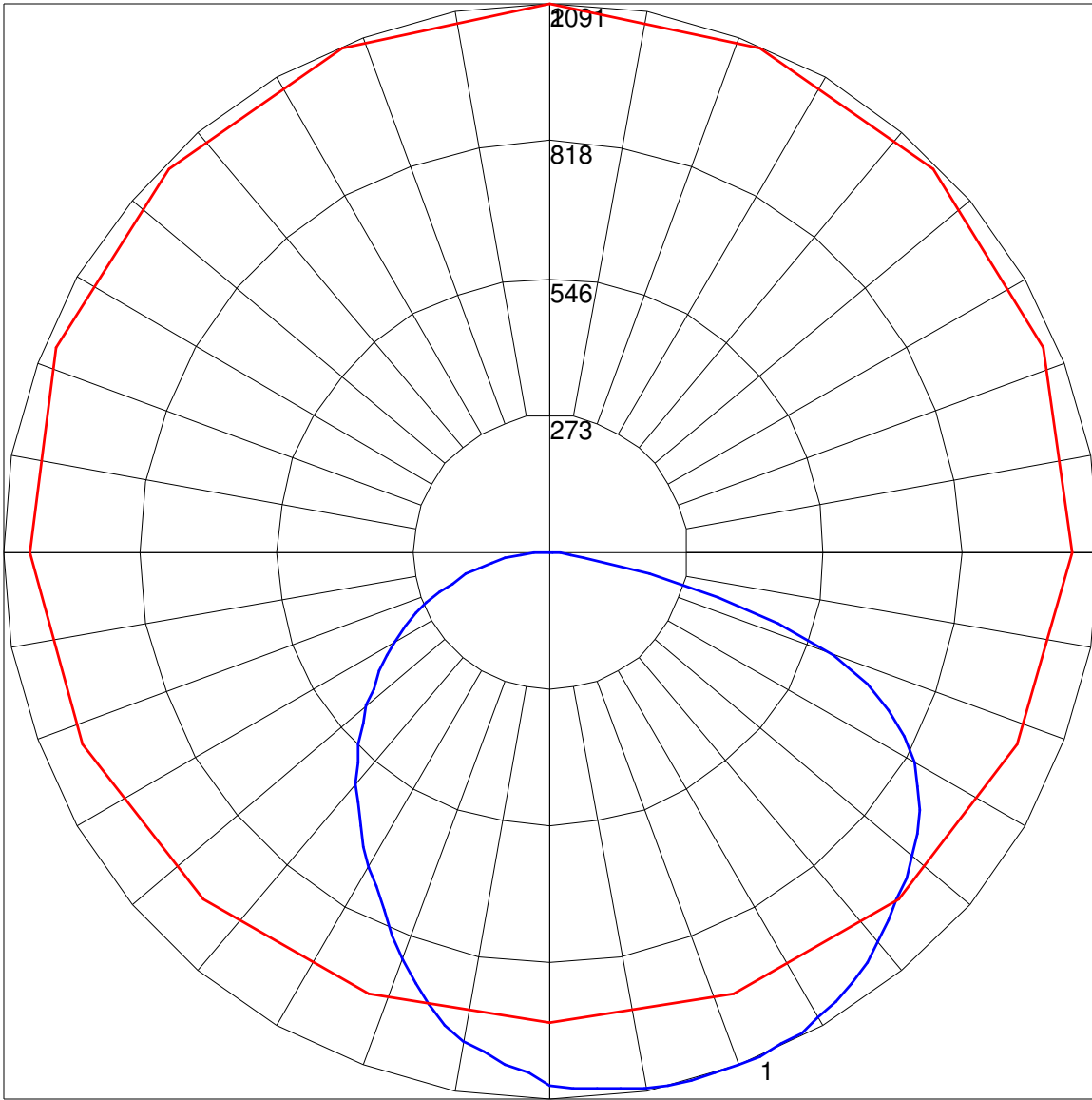
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	69	69	69	69	67	67	67	67	64	64	64	61	61	61	59	59	59	58	58
1	62	60	57	55	61	58	56	54	56	54	52	54	52	50	51	50	49	48	48
2	57	52	47	44	55	50	47	43	48	45	42	46	44	41	45	42	40	39	39
3	51	45	40	36	50	44	39	36	42	38	35	41	37	35	39	36	34	33	33
4	47	40	34	30	45	39	34	30	37	33	30	36	32	29	35	32	29	28	28
5	43	35	30	26	42	35	30	26	33	29	26	32	28	25	31	28	25	24	24
6	40	32	26	23	38	31	26	22	30	26	22	29	25	22	28	25	22	21	21
7	37	29	23	20	36	28	23	20	27	23	20	26	22	19	26	22	19	18	18
8	34	26	21	18	33	26	21	18	25	21	17	24	20	17	23	20	17	16	16
9	32	24	19	16	31	24	19	16	23	19	16	22	18	16	22	18	15	14	14
10	30	22	17	14	29	22	17	14	21	17	14	21	17	14	20	17	14	13	13

POLAR GRAPH



Maximum Candela = 1091 Located At Horizontal Angle = 90, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)