

Day-Brite

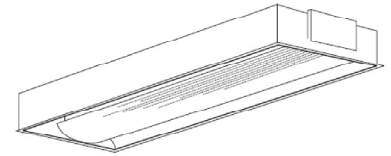
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 20035.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 20035
[DATE] 09/16/1999
[LUMCAT] 1AVG232-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 1X4 ARIOSO DIRECT/INDIRECT
[MORE] W/ PERFORATED LAMP COVER
[LAMP] F32T8
[BALLAST] ADVANCE REL-2P32-SC
[MANUFAC] PHILIPS DAY-BRITE
[_TIFF_FILE_NAME]
[_VERSION] 2.0t
[OTHER] Reflection factor 0.90, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	2850 (2 lamps)
Total Lamp Lumens	5700
Luminaire Lumens	3076
Total Luminaire Efficiency	54 %
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	56
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.94 ft
Luminous Width (90-270)	0.85 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3509	3428	3107
55	3339	2938	2498
65	3163	2217	2225
75	2854	1767	1791
85	2018	1321	1211

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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	1171	1171	1171	1171	1171
2.5	1171	1173	1171	1168	1169
5.0	1167	1169	1168	1164	1166
7.5	1162	1163	1161	1159	1161
10.0	1153	1155	1153	1152	1153
12.5	1141	1142	1143	1140	1142
15.0	1127	1129	1129	1129	1131
17.5	1111	1112	1115	1113	1115
20.0	1079	1081	1083	1082	1085
22.5	1071	1072	1075	1073	1075
25.0	1047	1048	1052	1052	1052
27.5	1020	1021	1027	1025	1023
30.0	991	994	997	994	989
32.5	961	962	967	957	950
35.0	927	933	933	914	904
37.5	892	895	896	868	854
40.0	855	861	854	817	798
42.5	817	821	808	762	743
45.0	776	782	758	706	687
47.5	733	738	703	646	628
50.0	690	693	646	588	566
52.5	643	646	584	529	509
55.0	599	599	527	466	448
57.5	552	547	463	411	410
60.0	506	492	404	370	371
62.5	460	434	342	333	334
65.0	418	377	293	292	294
67.5	371	316	253	255	255
70.0	325	257	215	214	217
72.5	279	202	179	180	179
75.0	231	148	143	146	145
77.5	185	110	111	111	112
80.0	137	83	83	82	81
82.5	94	59	58	56	55
85.0	55	39	36	33	33
87.5	25	22	18	16	16
90.0	13	13	8	4	3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	912.05	16.00	29.70
0-40	1488.72	26.10	48.40
0-60	2535.05	44.50	82.40
0-90	3076.00	54.00	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	3076.00	54.00	100.00

Total Luminaire Efficiency = 54.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.95
10-20	318.06
20-30	483.03
30-40	576.67
40-50	572.55
50-60	473.79
60-70	327.12
70-80	168.18
80-90	45.65
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

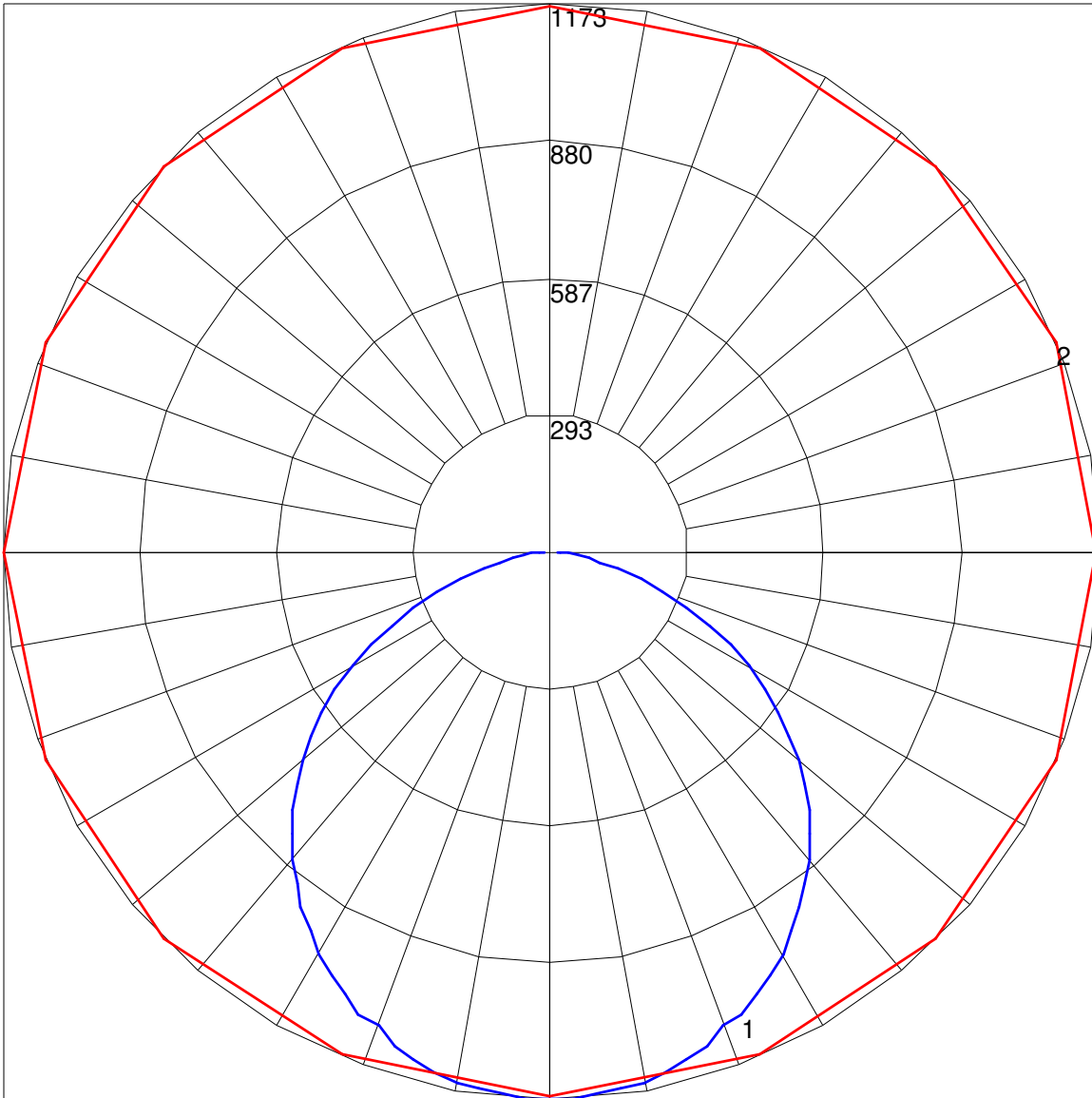
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	64	64	64	64	63	63	63	63	60	60	60	57	57	57	55	55	55	54	54
1	59	57	54	52	58	55	53	52	53	51	50	51	50	48	49	48	47	46	46
2	54	50	46	43	52	49	45	43	47	44	42	45	43	41	43	41	40	39	39
3	49	44	40	36	48	43	39	36	41	38	35	40	37	35	39	36	34	33	33
4	45	39	34	31	44	38	34	31	37	33	30	36	32	30	35	32	29	28	28
5	42	35	30	27	41	34	30	27	33	29	26	32	29	26	31	28	26	25	25
6	39	32	27	23	38	31	27	23	30	26	23	29	26	23	28	25	23	22	22
7	36	29	24	21	35	28	24	21	27	23	21	27	23	20	26	23	20	19	19
8	33	26	22	19	32	26	21	18	25	21	18	24	21	18	24	21	18	17	17
9	31	24	20	17	30	24	20	17	23	19	17	23	19	16	22	19	16	15	15
10	29	22	18	15	29	22	18	15	21	18	15	21	17	15	20	17	15	14	14

POLAR GRAPH



Maximum Candela = 1173 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.)