

Day-Brite

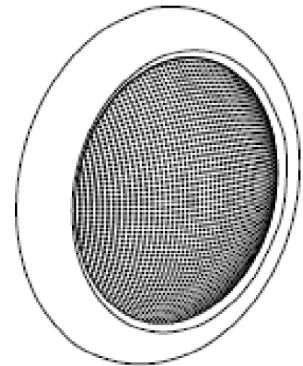
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 25196.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 25196
[DATE] 03/10/2005
[LUMCAT] AVSC2CF18-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE ARIOSO CLOUD SCONCE
[LAMP] CFQ18W
[BALLAST] TRIAD C218UNVSE
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 3/14/2005
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0c(0-180)

CHARACTERISTICS

Lumens Per Lamp	1250 (2 lamps)
Total Lamp Lumens	2500
Luminaire Lumens	1593
Total Luminaire Efficiency	64 %
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	35
Ballast Factor	0.98
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.83 ft
Luminous Width (90-270)	0.08 ft
Luminous Height	0.83 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4601	549	1015
55	5451	558	760
65	6528	560	604
75	7590	578	500
85	8723	573	401

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	59	59	59	59	59	59	59	59	59
5	23	27	32	46	66	74	85	93	97
10	20	18	17	35	66	89	116	142	148
15	23	19	15	25	64	107	152	189	200
20	25	20	15	13	63	126	180	212	220
25	26	22	16	11	62	143	194	226	234
30	29	25	17	12	60	154	201	236	247
35	34	27	19	12	57	163	205	249	263
40	37	31	20	12	54	165	208	263	283
45	42	35	22	13	51	163	213	277	304
50	46	38	24	13	47	159	222	292	324
55	49	41	25	13	43	154	233	309	344
60	53	44	26	13	39	150	244	314	347
65	56	47	27	13	37	148	253	314	349
70	59	49	28	13	34	146	257	317	362
75	60	49	29	13	32	144	257	325	384
80	61	50	29	13	29	142	275	350	408
85	61	50	29	13	26	149	297	372	419
90	60	49	29	13	23	157	308	375	416
95	58	48	28	13	28	157	309	373	413
100	56	46	27	13	36	150	301	365	404
105	52	43	26	14	47	151	284	350	391
110	49	40	25	16	57	158	269	328	372
115	44	37	23	18	67	163	268	308	350
120	39	34	21	21	78	168	272	296	333
125	35	30	19	25	90	172	271	290	322
130	30	26	16	32	102	177	265	282	310
135	25	21	14	44	114	182	253	255	284
140	20	17	13	55	122	185	238	216	239
145	14	13	14	72	128	185	225	192	214
150	9	10	16	66	132	179	207	172	196
155	4	9	21	49	120	165	173	149	183
160	1	5	27	54	99	131	134	127	169
165	1	0	24	59	80	104	111	120	157
170	13	4	3	41	63	66	95	116	148
175	33	30	8	12	44	28	65	110	134
180	47	47	47	47	47	47	47	47	47

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	76.61	3.10	4.80
0-40	145.74	5.80	9.10
0-60	350.74	14.00	22.00
0-90	781.95	31.30	49.10
90-120	446.67	17.90	28.00
90-130	567.15	22.70	35.60
90-150	740.62	29.60	46.50
90-180	811.28	32.50	50.90
0-180	1593.24	63.70	100.00

Total Luminaire Efficiency = 63.70%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	6.12
10-20	24.04
20-30	46.45
30-40	69.13
40-50	91.72
50-60	113.28
60-70	129.29
70-80	142.81
80-90	159.12
90-100	161.72
100-110	150.27
110-120	134.69
120-130	120.48
130-140	99.82
140-150	73.65
150-160	45.22
160-170	20.52
170-180	4.93

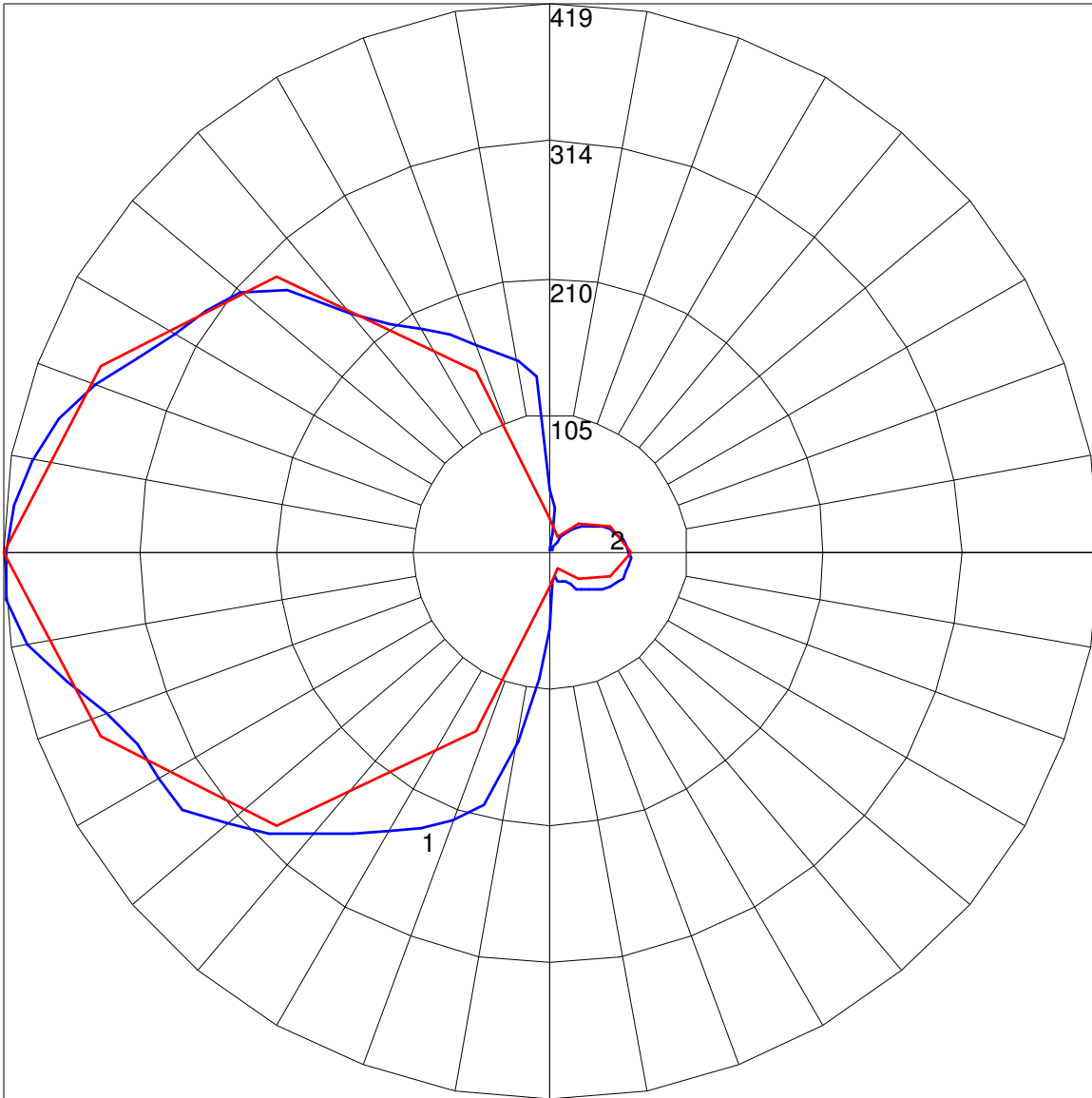
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	68	68	68	68	63	63	63	63	53	53	53	44	44	44	35	35	35	31
1	59	55	51	48	54	50	47	44	42	39	37	34	32	30	26	25	24	20
2	53	46	41	37	48	42	38	34	35	31	28	28	25	23	21	19	18	14
3	47	40	34	29	43	36	31	27	30	26	22	24	21	18	18	16	14	11
4	43	35	29	24	39	32	26	22	26	22	18	21	17	15	16	13	11	9
5	39	30	24	20	35	28	22	18	23	19	15	18	15	12	14	11	9	7
6	36	27	21	17	32	25	19	16	20	16	13	16	13	10	12	10	8	6
7	33	24	19	15	30	22	17	13	18	14	11	15	11	9	11	9	7	5
8	30	22	16	13	28	20	15	12	16	13	10	13	10	8	10	8	6	4
9	28	20	15	11	26	18	13	10	15	11	8	12	9	7	9	7	5	4
10	26	18	13	10	24	17	12	9	14	10	7	11	8	6	9	6	5	3

POLAR GRAPH



Maximum Candela = 419 Located At Horizontal Angle = 180, Vertical Angle = 85
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (85) (Through Max. Cd.)