

Day-Brite

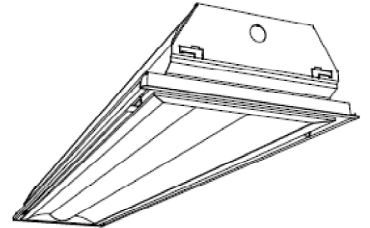
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27090D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27090
[DATE] 11/07/2007
[LUMCAT] 1STGA128-PMW-1/1-EB
[LUMINAIRE] DAY-BRITE 1X4 SOFTRACE AIR W/PERFORATED BASKET
[LAMP] F28T5
[BALLAST] TRIAD B228PUNV-C
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 11/8/2007
[_TEST_LEVEL]
[_TIFF_FILE_NAME]
[_VERSION] fo2ies 3.0d(90)
[OTHER] Reflection factor 0.92, Test distance = 26 ft.
[MORE] Shielding angle: normal 90, Parallel 90

CHARACTERISTICS

Lumens Per Lamp	2600 (1 lamp)
Total Lamp Lumens	2600
Luminaire Lumens	2141
Total Luminaire Efficiency	82 %
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.81 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	2167	2513	2780
55	2013	2411	2631
65	1738	2114	2247
75	1394	1624	1457
85	987	721	645

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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	711	711	711	711	711
2.5	713	713	711	708	707
5.0	711	711	710	708	707
7.5	707	707	708	707	706
10.0	701	701	704	704	705
12.5	695	695	700	703	703
15.0	684	687	694	700	702
17.5	674	677	688	696	700
20.0	662	668	680	692	697
22.5	651	656	672	687	694
25.0	634	643	663	682	691
27.5	618	629	654	677	687
30.0	601	611	641	669	682
32.5	582	593	629	662	676
35.0	558	574	613	649	664
37.5	540	556	600	639	654
40.0	516	532	583	622	639
42.5	491	510	560	604	619
45.0	463	484	537	579	594
47.5	436	459	511	551	565
50.0	410	434	484	519	532
52.5	379	403	452	485	494
55.0	349	372	418	449	456
57.5	318	339	381	405	415
60.0	284	307	343	365	374
62.5	252	272	306	324	329
65.0	222	241	270	284	287
67.5	192	206	232	242	244
70.0	164	176	195	203	203
72.5	136	145	160	162	158
75.0	109	118	127	120	114
77.5	84	93	94	78	75
80.0	63	70	61	50	49
82.5	44	46	33	32	31
85.0	26	24	19	18	17
87.5	11	9	7	6	6
90.0	4	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	569.45	21.90	26.60
0-40	953.09	36.70	44.50
0-60	1728.21	66.50	80.70
0-90	2140.54	82.30	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	2140.54	82.30	100.00

Total Luminaire Efficiency = 82.30%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.52
10-20	196.04
20-30	305.88
30-40	383.65
40-50	409.87
50-60	365.25
60-70	259.06
70-80	127.25
80-90	26.02
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

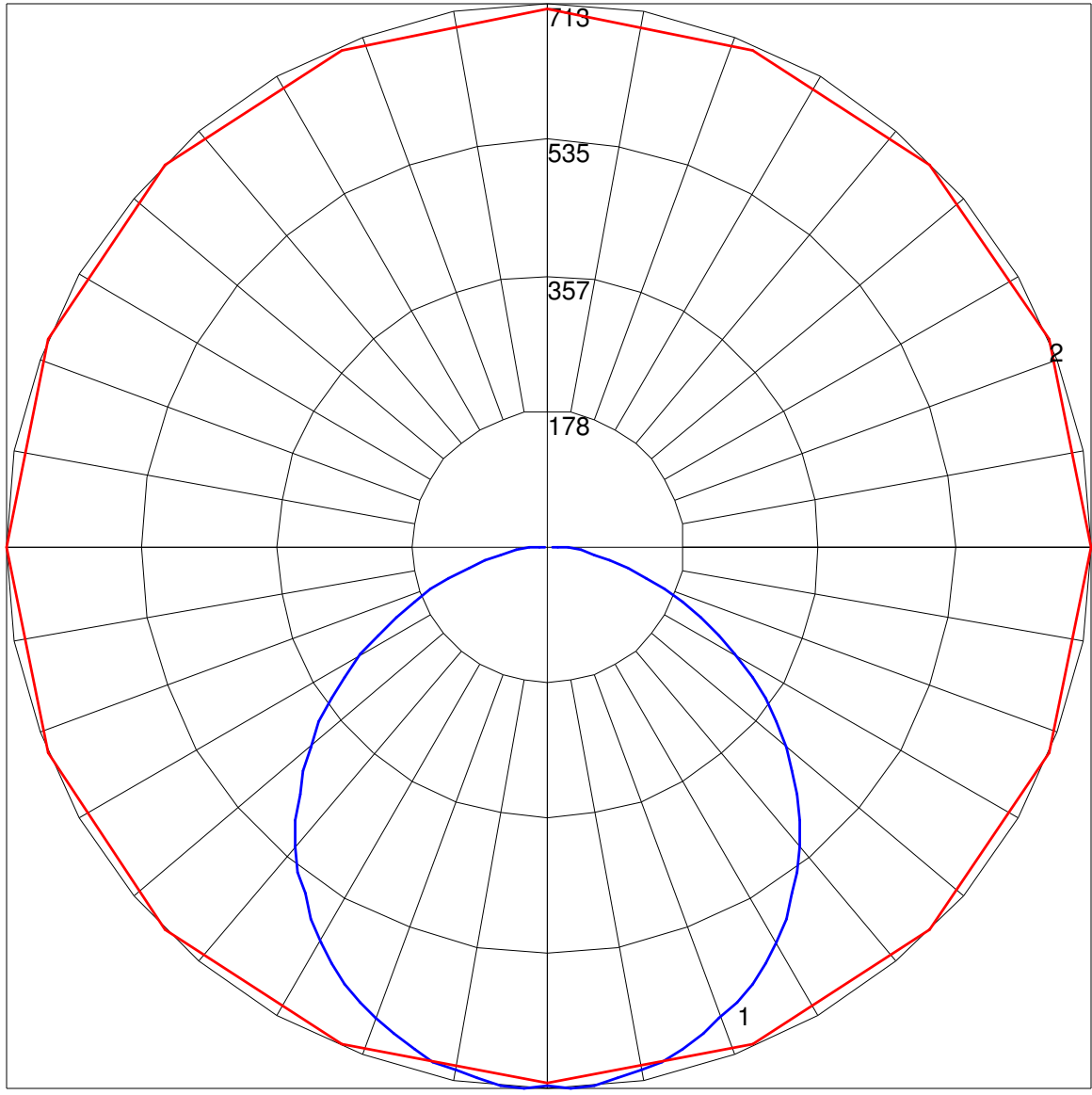
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	98	98	98	96	96	96	96	91	91	91	88	88	88	84	84	84	82	82
1	90	86	83	79	88	84	81	78	81	78	76	77	75	73	74	73	71	70	70
2	82	75	69	65	80	73	68	64	71	66	63	68	64	61	65	62	60	58	58
3	74	66	59	54	72	65	58	53	62	57	52	60	55	51	58	54	51	49	49
4	68	58	51	45	66	57	50	45	55	49	45	53	48	44	51	47	43	42	42
5	63	52	45	39	61	51	44	39	49	43	38	48	42	38	46	41	38	36	36
6	58	47	39	34	56	46	39	34	44	38	33	43	37	33	42	37	33	31	31
7	53	42	35	30	52	42	35	30	40	34	30	39	33	29	38	33	29	27	27
8	50	38	31	27	48	38	31	26	37	31	26	36	30	26	35	30	26	24	24
9	46	35	28	24	45	35	28	24	34	28	24	33	27	24	32	27	23	22	22
10	43	32	26	22	42	32	26	21	31	25	21	30	25	21	30	25	21	20	20

POLAR GRAPH



Maximum Candela = 713 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.)