

Day-Brite

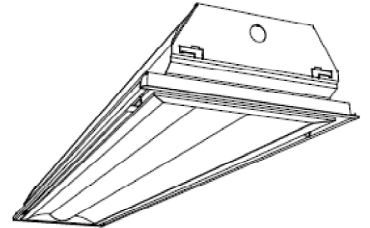
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27091D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27091
[DATE] 11/07/2007
[LUMCAT] 1STGA128-D-1/1-EB
[LUMINAIRE] DAY-BRITE 1X4 SOFTRACE AIR W/DIFFUSE DIFFUSER
[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] 11/15/2007
[_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	2419
Total Luminaire Efficiency	93 %
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	2677	2677	2817
55	2394	2509	2636
65	2012	2177	2239
75	1572	1764	1675
85	1139	1063	949

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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	936	936	936	936	936
2.5	935	936	936	934	934
5.0	928	928	927	924	924
7.5	925	925	923	917	916
10.0	917	916	911	904	902
12.5	908	905	898	887	883
15.0	897	893	881	869	866
17.5	881	875	860	847	843
20.0	864	857	839	826	821
22.5	843	836	817	803	799
25.0	823	812	794	780	777
27.5	800	786	766	757	755
30.0	772	760	741	734	735
32.5	744	730	714	713	715
35.0	712	698	687	691	696
37.5	679	666	660	671	677
40.0	644	631	631	645	654
42.5	608	598	602	620	630
45.0	572	563	572	593	602
47.5	532	529	539	562	571
50.0	495	491	508	529	535
52.5	456	452	471	492	497
55.0	415	414	435	453	457
57.5	375	375	395	411	415
60.0	334	336	359	371	373
62.5	294	298	317	327	330
65.0	257	262	278	287	286
67.5	222	226	241	246	246
70.0	188	191	206	208	207
72.5	154	160	169	171	169
75.0	123	128	138	135	131
77.5	96	101	107	100	96
80.0	71	76	76	68	66
82.5	49	52	50	44	43
85.0	30	31	28	26	25
87.5	14	13	12	12	12
90.0	4	2	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	702.94	27.00	29.10
0-40	1137.98	43.80	47.00
0-60	1971.25	75.80	81.50
0-90	2418.96	93.00	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	2418.96	93.00	100.00

Total Luminaire Efficiency = 93.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.04
10-20	248.03
20-30	366.87
30-40	435.04
40-50	445.64
50-60	387.62
60-70	272.65
70-80	140.93
80-90	34.14
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

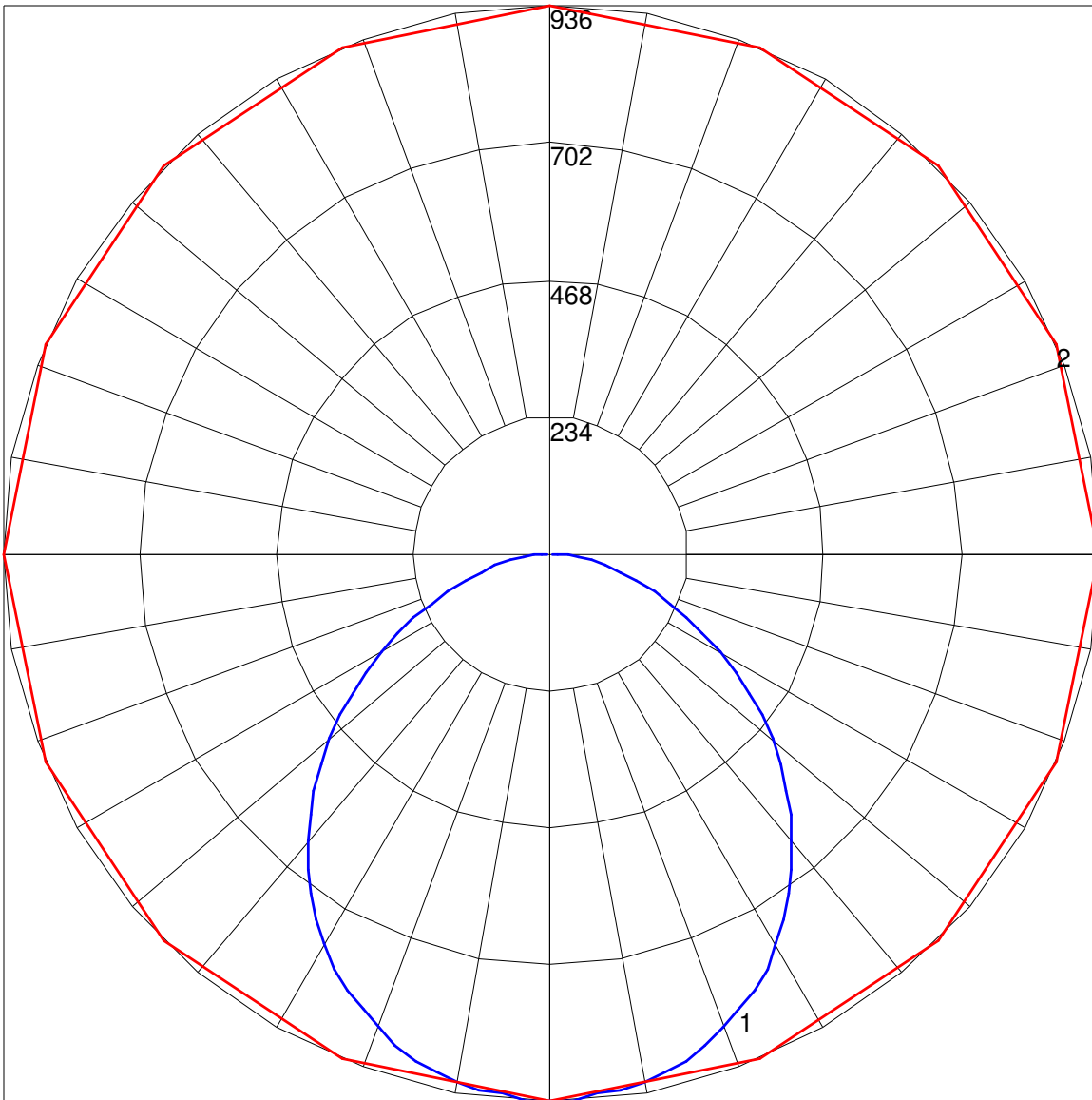
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	11111111111111	108108108108	103103103	99 99 99	95 95 95	93												
1	10297 94 90	99 95 92 89	91 88 86	88 85 83	84 82 81	79												
2	93 85 79 74	90 83 78 73	80 75 71	77 73 70	74 71 68	66												
3	85 75 68 62	82 74 67 61	71 65 60	68 63 59	66 62 58	56												
4	78 67 59 53	75 65 58 52	63 57 51	61 55 51	59 54 50	48												
5	71 60 51 45	70 59 51 45	57 50 45	55 49 44	53 48 44	42												
6	66 54 46 40	64 53 45 40	51 44 39	50 44 39	48 43 39	37												
7	61 49 41 35	60 48 40 35	47 40 35	45 39 35	44 39 34	32												
8	57 45 37 31	56 44 37 31	43 36 31	42 35 31	41 35 31	29												
9	53 41 33 28	52 40 33 28	39 33 28	38 32 28	37 32 28	26												
10	50 38 31 26	49 37 30 26	36 30 26	36 30 25	35 29 25	24												

POLAR GRAPH



Maximum Candela = 936 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)