

Day-Brite

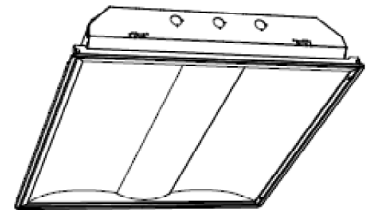
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27112.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27112
[DATE] 11/16/2007
[LUMCAT] 2STG217-PMW-1/2-EB
[LUMINAIRE] DAY-BRITE 2X2 SOFTRACE W/PERFORATED BASKET
[LAMP] F17T8
[BALLAST] QUICKTRONIC QTP2X32T8/UNV ISN-SC
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUE DATE] 11/19/2007
[_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	1325 (2 lamps)
Total Lamp Lumens	2650
Luminaire Lumens	1827
Total Luminaire Efficiency	69 %
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	31
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	1.81 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	1582	1825	2106
55	1391	1779	2167
65	1137	1622	2162
75	883	1410	1777
85	545	545	647

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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	623	623	623	623	623
2.5	621	622	621	622	622
5.0	618	619	623	620	620
7.5	614	615	615	617	618
10.0	608	609	610	613	614
12.5	600	602	604	609	610
15.0	592	593	597	602	604
17.5	582	584	588	595	599
20.0	570	571	580	588	592
22.5	557	560	568	580	587
25.0	543	547	558	573	580
27.5	526	530	542	562	570
30.0	509	514	533	555	566
32.5	490	497	519	546	558
35.0	470	478	505	537	550
37.5	447	457	488	524	540
40.0	425	436	472	511	530
42.5	401	414	453	497	516
45.0	377	390	435	482	502
47.5	350	366	415	465	485
50.0	323	341	393	443	465
52.5	295	313	369	421	445
55.0	269	289	344	396	419
57.5	241	262	318	369	391
60.0	213	234	289	340	366
62.5	187	208	260	316	340
65.0	162	182	231	287	308
67.5	138	156	203	255	275
70.0	117	132	180	221	239
72.5	96	111	153	188	201
75.0	77	88	123	149	155
77.5	59	69	96	109	116
80.0	44	52	66	74	73
82.5	29	34	40	38	40
85.0	16	18	16	18	19
87.5	7	6	6	6	7
90.0	2	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	485.34	18.30	26.60
0-40	802.48	30.30	43.90
0-60	1444.8	54.50	79.10
0-90	1827.25	69.00	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	1827.25	69.00	100.00

Total Luminaire Efficiency = 69.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.87
10-20	168.73
20-30	257.74
30-40	317.14
40-50	336.34
50-60	305.98
60-70	230.99
70-80	126.41
80-90	25.05
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

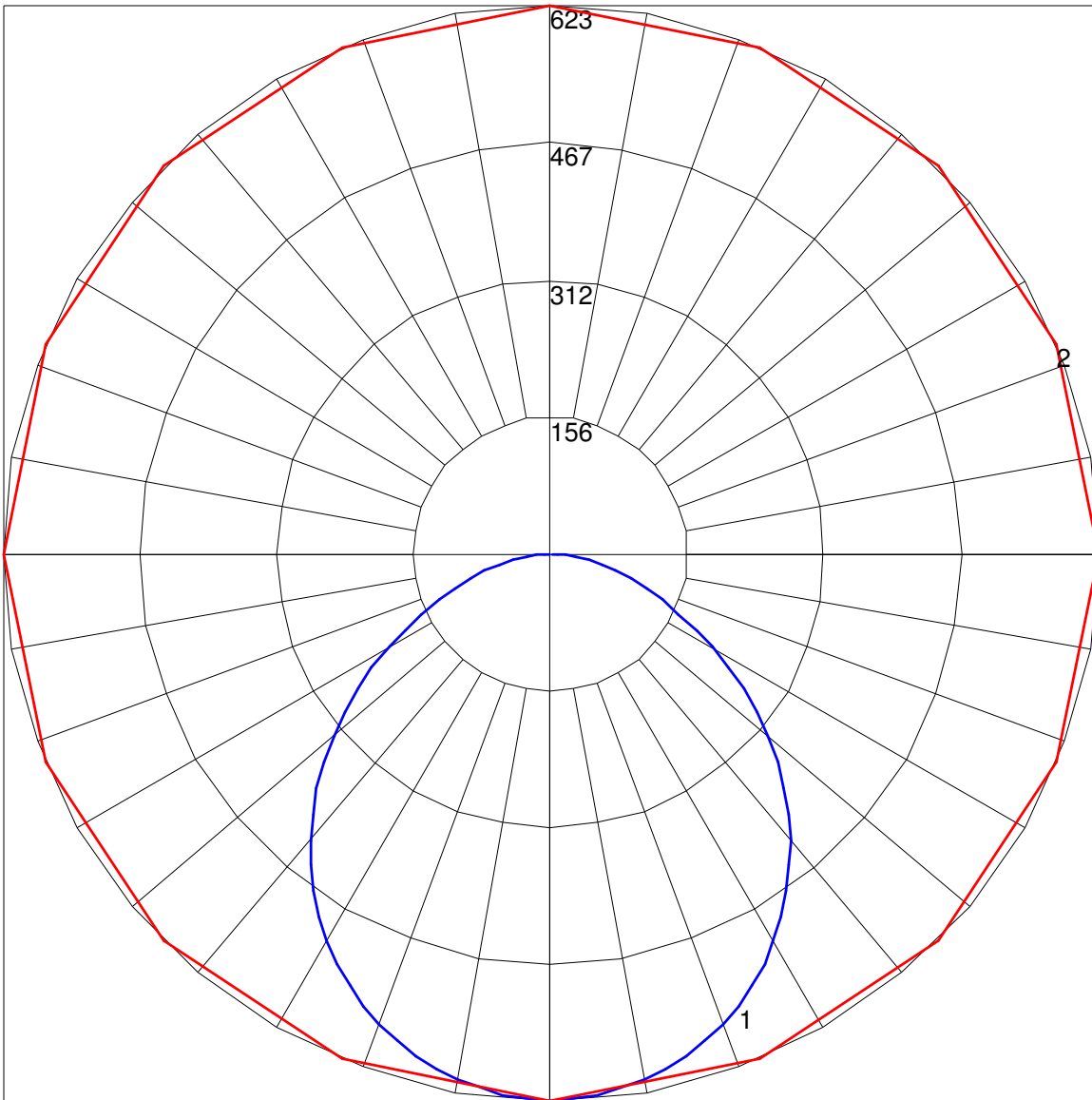
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	82	82	82	80	80	80	80	77	77	77	73	73	73	70	70	70	69	
1	75	72	69	66	73	70	68	65	67	65	63	65	63	61	62	61	59	58	
2	68	62	58	54	66	61	57	53	59	55	52	56	53	51	54	52	50	48	
3	62	55	49	45	60	54	48	44	52	47	43	50	46	43	48	45	42	40	
4	57	48	42	38	55	47	42	37	46	41	37	44	40	36	43	39	36	34	
5	52	43	37	32	51	42	36	32	41	36	32	40	35	31	38	34	31	30	
6	48	39	33	28	47	38	32	28	37	32	28	36	31	27	35	30	27	26	
7	45	35	29	25	43	35	29	25	33	28	24	32	28	24	32	27	24	23	
8	41	32	26	22	40	32	26	22	31	25	22	30	25	22	29	25	22	20	
9	39	29	24	20	38	29	23	20	28	23	20	27	23	19	27	22	19	18	
10	36	27	22	18	35	27	21	18	26	21	18	25	21	18	25	21	18	16	

POLAR GRAPH



Maximum Candela = 623 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.)