

Day-Brite

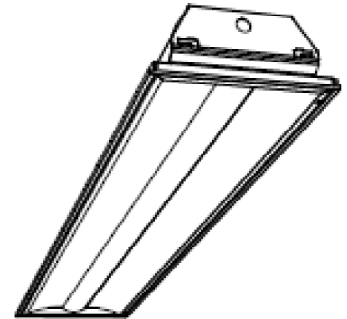
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 27095.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 27095
[DATE] 11/09/2007
[LUMCAT] 1STG132-D-1/1-EB
[LUMINAIRE] DAY-BRITE 1X4 SOFTRACE W/DIFFUSE DIFFUSER
[LAMP] F32T8
[BALLAST] QUICKTRONIC QTP2X32T8/UNV ISN-SC
[MANUFAC] PHILIPS DAY-BRITE
[TESTLAB] PHILIPS DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS
[MORE] NVLAP LABORATORY CODE 200016-0
[ISSUEDATE] 11/9/2007
[_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	2850 (1 lamp)
Total Lamp Lumens	2850
Luminaire Lumens	2294
Total Luminaire Efficiency	80 %
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	37
Ballast Factor	0.88
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.34
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	2541	2560	2667
55	2302	2388	2481
65	1942	2075	2090
75	1547	1688	1572
85	1139	1063	873

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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	875	875	875	875	875
2.5	877	877	875	871	870
5.0	874	873	871	866	865
7.5	868	867	863	857	855
10.0	861	859	853	844	841
12.5	851	849	843	832	827
15.0	841	836	825	813	810
17.5	828	821	807	795	792
20.0	811	804	789	777	775
22.5	793	785	769	758	755
25.0	774	764	748	739	737
27.5	751	739	728	724	725
30.0	727	715	701	699	702
32.5	700	690	678	681	685
35.0	673	669	654	662	667
37.5	643	631	629	640	647
40.0	611	600	602	617	623
42.5	579	568	574	592	598
45.0	543	536	547	563	570
47.5	507	504	516	534	538
50.0	472	470	486	501	504
52.5	437	432	451	465	468
55.0	399	396	414	426	430
57.5	360	359	378	385	391
60.0	323	325	340	347	348
62.5	284	287	300	307	306
65.0	248	251	265	269	267
67.5	214	218	231	230	230
70.0	182	183	195	194	192
72.5	149	153	163	159	158
75.0	121	125	132	125	123
77.5	93	97	101	94	89
80.0	69	73	73	65	63
82.5	49	50	49	41	42
85.0	30	29	28	24	23
87.5	14	12	12	11	11
90.0	6	3	3	2	2

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	661.62	23.20	28.80
0-40	1075.58	37.70	46.90
0-60	1868.34	65.60	81.40
0-90	2294.06	80.50	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	2294.06	80.50	100.00

Total Luminaire Efficiency = 80.50%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.45
10-20	232.61
20-30	346.56
30-40	413.97
40-50	424.26
50-60	368.50
60-70	258.76
70-80	133.98
80-90	32.98
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

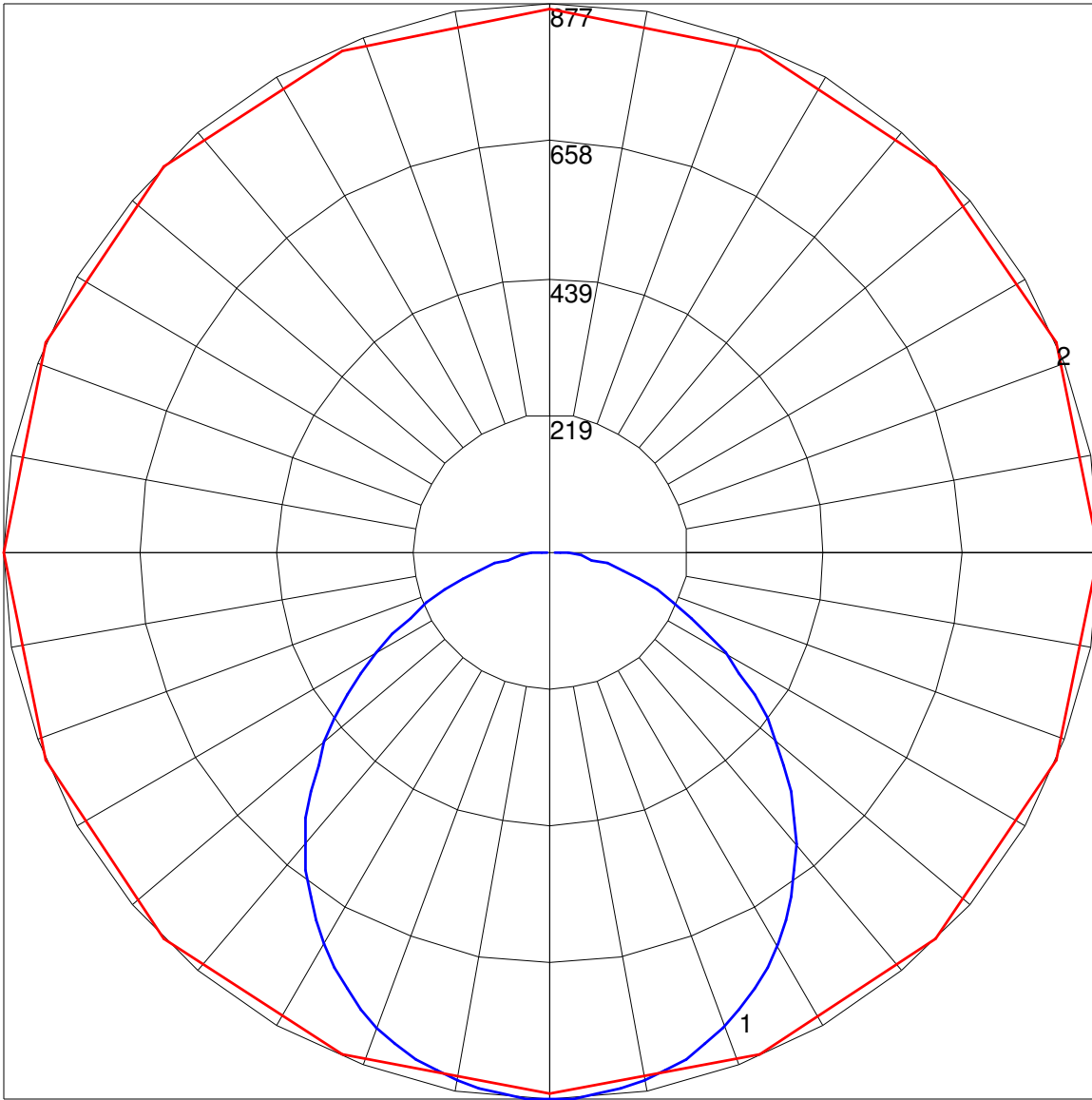
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	96	96	96	96	94	94	94	94	89	89	89	86	86	86	82	82	82	80
1	88	84	81	78	86	82	79	77	79	76	74	76	74	72	73	71	70	68
2	80	74	68	64	78	72	67	63	69	65	62	67	63	60	64	61	59	57
3	73	65	58	53	71	64	58	53	61	56	52	59	55	51	57	53	50	48
4	67	58	51	45	65	57	50	45	55	49	44	53	48	44	51	47	43	42
5	62	52	44	39	60	51	44	39	49	43	39	47	42	38	46	41	38	36
6	57	46	39	34	56	46	39	34	44	38	34	43	38	34	42	37	33	32
7	53	42	35	30	52	42	35	30	40	34	30	39	34	30	38	33	30	28
8	49	39	32	27	48	38	32	27	37	31	27	36	31	27	35	30	27	25
9	46	35	29	24	45	35	29	24	34	28	24	33	28	24	32	27	24	22
10	43	33	26	22	42	32	26	22	31	26	22	31	26	22	30	25	22	20

POLAR GRAPH



Maximum Candela = 877 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.)