

Day-Brite

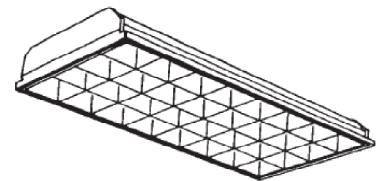
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 16603.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] 16603
[DATE] 2/22/95
[LUMCAT] 6MP3GA432-48FL-1/4-EB
[LUMINAIRE] DAY-BRITE 600X1200MM METRIC PARALOUVER
[MORE] W/32-CELL FULL SPEC LOUVER
[LAMP] F32T8
[BALLAST] TRIAD B432I120RH
[MANUFAC] PHILIPS DAY-BRITE
[OTHER] REFL. FACTOR: .93 TEST DISTANCE: 26 FT.
[MORE] SHIELDING ANGLE: -NOR 32 -PAR 30

CHARACTERISTICS

Lumens Per Lamp	2900 (4 lamps)
Total Lamp Lumens	11600
Luminaire Lumens	8123
Total Luminaire Efficiency	70 %
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	110
Ballast Factor	0.91
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.44
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.78 ft
Luminous Width (90-270)	1.78 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4988	5417	3878
55	4307	3865	6052
65	295	347	72
75	37	31	18
85	55	37	18

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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	3511	3511	3511	3511	3511
2.5	3519	3511	3508	3507	3503
5.0	3506	3497	3506	3513	3513
7.5	3477	3474	3498	3532	3550
10.0	3435	3445	3497	3583	3620
12.5	3392	3408	3516	3653	3707
15.0	3344	3374	3547	3718	3762
17.5	3286	3335	3577	3711	3729
20.0	3221	3292	3577	3651	3654
22.5	3153	3253	3526	3595	3708
25.0	3076	3219	3469	3686	3861
27.5	2992	3174	3400	3735	3770
30.0	2901	3118	3384	3586	3579
32.5	2806	3046	3378	3450	3533
35.0	2694	2952	3302	3318	3305
37.5	2582	2858	3133	3041	2898
40.0	2471	2745	2956	2652	2476
42.5	2352	2627	2685	2247	2115
45.0	2210	2501	2400	1883	1718
47.5	2076	2368	2069	1623	1565
50.0	1914	2192	1787	1541	1597
52.5	1757	1963	1561	1584	1950
55.0	1548	1675	1389	1755	2175
57.5	1269	1291	1235	1559	1558
60.0	866	818	864	888	420
62.5	357	388	398	174	90
65.0	78	111	92	38	19
67.5	15	15	14	11	9
70.0	10	9	8	7	6
72.5	7	7	6	5	5
75.0	6	6	5	4	3
77.5	5	4	4	3	2
80.0	4	4	3	2	2
82.5	4	4	2	2	1
85.0	3	3	2	1	1
87.5	3	2	2	1	0
90.0	2	2	1	1	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	2923.74	25.20	36.00
0-40	4858.14	41.90	59.80
0-60	7925.06	68.30	97.60
0-90	8123.36	70.00	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	8123.36	70.00	100.00

Total Luminaire Efficiency = 70.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	334.82
10-20	999.99
20-30	1588.93
30-40	1934.4
40-50	1707.26
50-60	1359.66
60-70	190.75
70-80	5.27
80-90	2.28
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

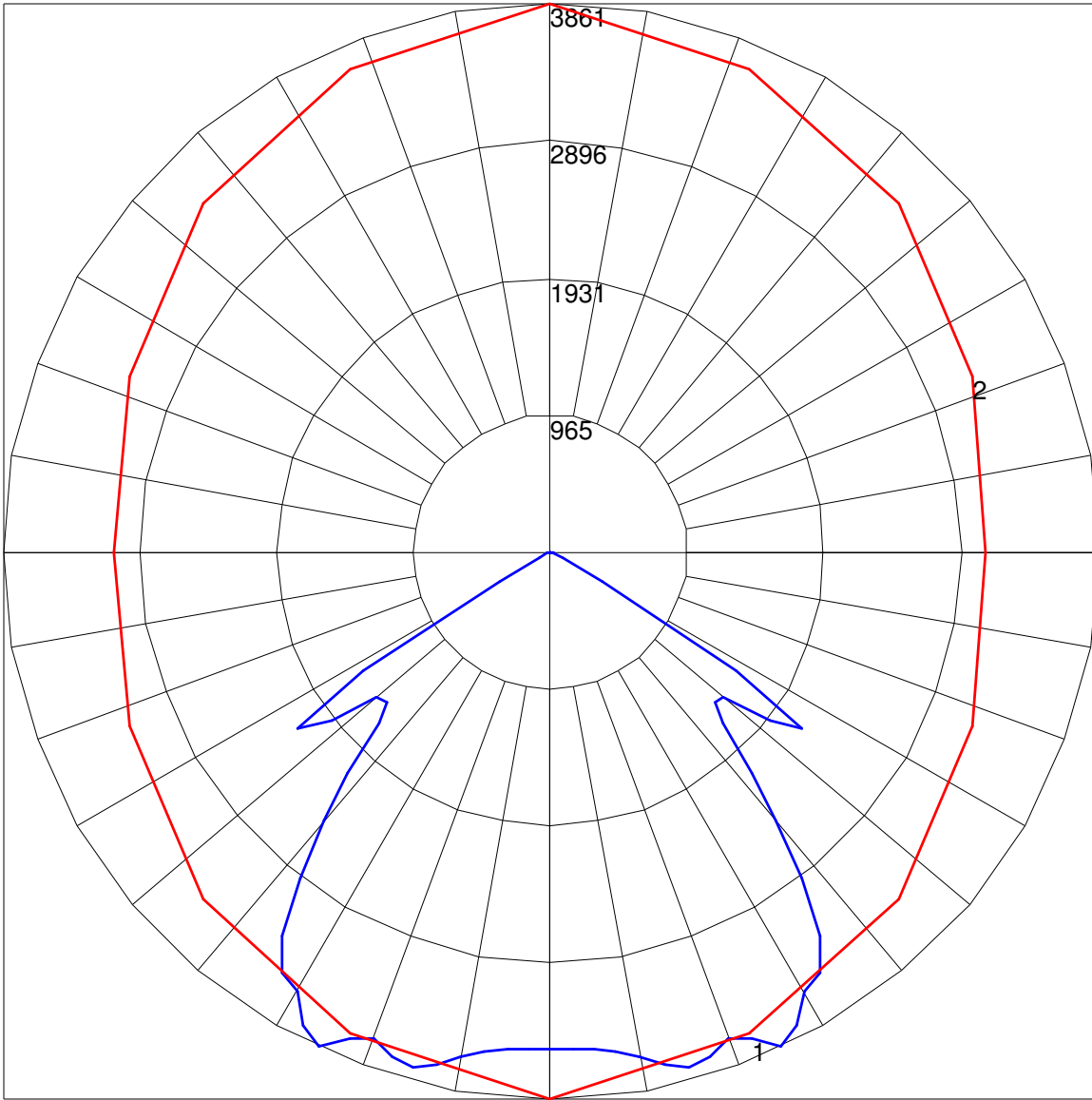
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	83	83	83	83	81	81	81	81	78	78	78	74	74	74	71	71	71	70	70
1	78	76	73	71	76	74	72	70	71	70	68	69	67	66	66	65	64	63	63
2	73	68	64	61	71	67	63	60	64	62	59	62	60	58	60	58	57	55	55
3	67	61	56	53	66	60	56	52	58	54	51	56	53	51	55	52	50	48	48
4	62	55	50	46	61	54	49	46	53	48	45	51	47	44	50	46	44	43	43
5	58	50	44	40	56	49	44	40	48	43	40	46	42	39	45	42	39	38	38
6	53	45	40	36	52	44	39	35	43	39	35	42	38	35	41	37	35	33	33
7	50	41	36	32	48	41	35	32	40	35	31	39	34	31	38	34	31	30	30
8	46	38	32	28	45	37	32	28	36	32	28	35	31	28	35	31	28	27	27
9	43	35	29	26	42	34	29	26	33	29	26	33	28	25	32	28	25	24	24
10	41	32	27	23	40	32	27	23	31	26	23	30	26	23	30	26	23	22	22

POLAR GRAPH



Maximum Candela = 3861 Located At Horizontal Angle = 90, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)