



IES INDOOR REPORT
PHOTOMETRIC FILENAME : SK4SA1254UNIV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [ISSUE]DATE]06/12/09
 [TEST]ITL62478
 [TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFAC]TECHNICAL CONSUMER PRODUCTS, INC.
 [LUMCAT]SK4SA1254UNIV2P
 [LUMINAIRE]SKY BAY MIRO4 4' 54W T5HO 12-LAMP
 [LAMP](12) 54-WATT T-5 LINEAR FLUORESCENTS
 [BALLAST](2) SYLVANIA QTP 4X54T5HO/UNV PSN HT W
 [MORE](2) SYLVANIA QTP 2X54T5HO/UNV PSN HT
 [_ MOUNTING]SUSPENDED
 [OTHER]THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.
 [OTHER]TOTAL INPUT WATTS = 665.3 AT 120.0 VOLTS
 [OTHER]LUMEN TO CANDELA RATIO USED = 9.17

CHARACTERISTICS

Total Rated Lamp Lumens	53400 (12 lamps)
Total Luminaire Efficiency	96.5 %
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	665
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.26
Spacing Criteria (90-270)	0.94
Spacing Criteria (Diagonal)	1.08
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.97 ft
Luminous Width (90-270)	2.90 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	21462	11361	9967
55	19994	9526	11307
65	17382	10985	12864
75	13088	10232	7766
85	3495	182	0

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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	25206	25206	25206	25206	25206
2.5	25239	25214	25176	25160	25172
5.0	25139	25109	25080	25097	25021
7.5	24963	24955	24825	24678	24569
10.0	24745	24758	24381	24239	24050
12.5	24469	24461	23908	23724	23741
15.0	24126	24004	23360	23598	23690
17.5	23724	23540	23042	23485	23456
20.0	23314	22975	22799	22929	22226
22.5	22845	22439	22527	21418	19957
25.0	22301	21748	21878	19090	16918
27.5	21715	21091	20547	16349	14457
30.0	21062	20518	18643	13909	12548
32.5	20392	19932	16182	12121	11184
35.0	19656	19283	13854	10857	10389
37.5	18852	18597	11908	10016	9518
40.0	18032	17743	10430	9208	8781
42.5	17178	16613	9376	8513	8120
45.0	16240	15139	8597	7852	7542
47.5	15303	13461	7815	7245	7400
50.0	14357	11443	7099	7007	7601
52.5	13369	9644	6421	7162	7434
55.0	12272	8003	5847	6986	6940
57.5	11184	6663	5671	6509	6889
60.0	10037	5688	5659	6433	6797
62.5	9007	4897	5257	6312	6412
65.0	7861	4223	4968	5843	5818
67.5	6772	3579	4843	5274	5023
70.0	5659	3076	4370	4399	4010
72.5	4596	2859	3713	3445	3030
75.0	3625	2536	2834	2524	2151
77.5	2629	2281	1909	1616	1088
80.0	1724	1779	1042	573	218
82.5	896	1046	193	25	0
85.0	326	352	17	4	0
87.5	50	13	8	0	0
90.0	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	18452.88	34.6	35.8
0-40	27742.45	52	53.8
0-60	43025.57	80.6	83.5
0-90	51534.96	96.5	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	51534.96	96.5	100

Total Luminaire Efficiency = 96.5%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2372.92
10-20	6699.83
20-30	9380.13
30-40	9289.57
40-50	8391.86
50-60	6891.26
60-70	5387.59
70-80	2817.94
80-90	303.87
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

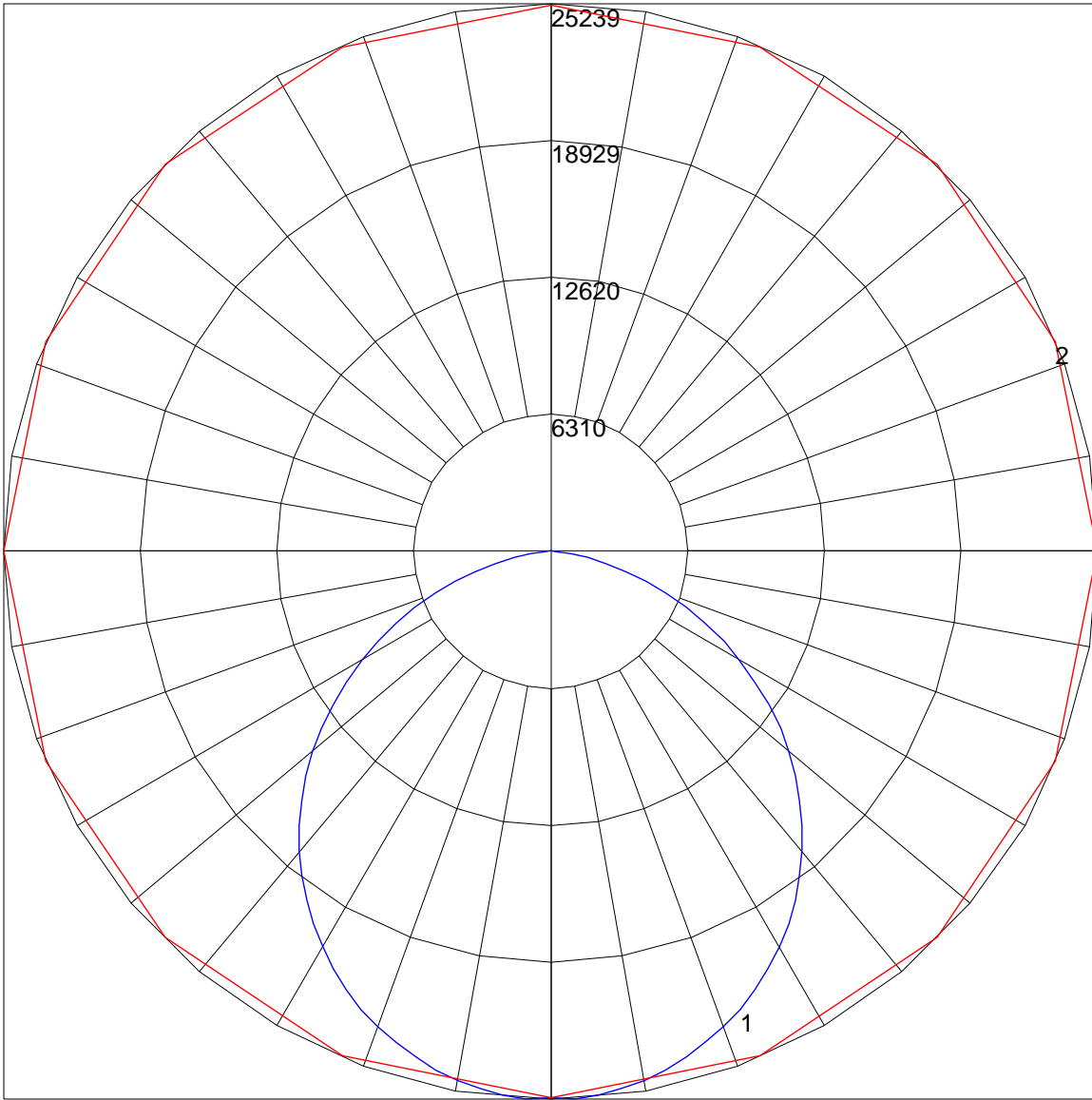
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	112	112	112	112	107	107	107	103	103	103	98	98	98	97
1	106	102	98	95	104	100	96	93	96	93	91	92	90	88	89	87	85	83
2	97	90	84	79	95	88	83	78	85	80	76	82	78	75	79	76	73	71
3	89	80	73	67	87	79	72	66	76	70	65	73	68	64	71	67	63	61
4	82	72	64	58	80	70	63	57	68	62	57	66	60	56	64	59	55	53
5	76	65	57	51	74	64	56	50	62	55	50	60	54	49	58	53	49	47
6	71	59	51	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42
7	66	54	46	40	64	53	45	40	52	45	40	50	44	40	49	43	39	37
8	62	49	42	36	60	49	41	36	48	41	36	46	40	36	45	40	36	34
9	58	46	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31
10	55	42	35	30	53	42	35	30	41	35	30	40	34	30	39	34	30	28

POLAR GRAPH



Maximum Candela = 25239 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.)