



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SF-2-L12-840-AF12125-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] GEN FROM Photopia 2014.0.1 see: www.ltiophics.com/ies
 [ISSUEDATE]
 [TESTDATE] Thu Aug 07 08:12:46 2014
 [TEST] 1SF-4-L24-835-AF12125
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 1SF-2-L12-840-AF12125-DIM-UNV
 [LUMINAIRE] 2' LED UNDER CABINET LUMINAIRE
 [LAMP] 22" 32 LED
 [LAMPCAT] HLM 80 CRI 4000K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1240
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	0.41 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4424	5539	6747
55	3075	4021	5477
65	2196	2665	3766
75	1849	1987	2444
85	2587	2636	2326

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-2-L12-840-AF12125-DIM-UNV_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	548.423	548.423	548.423	548.423	548.423
10	532.100	534.636	534.164	537.624	539.860
20	525.646	527.974	530.916	533.193	534.077
30	445.368	457.691	475.142	492.121	496.913
40	299.979	317.873	361.714	401.191	417.041
50	173.191	186.607	230.764	283.626	304.609
60	93.604	97.374	118.119	155.034	170.579
70	46.804	47.734	52.227	63.590	70.166
80	25.582	25.887	25.567	24.825	25.526
90	8.522	9.229	9.183	6.205	5.143

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-2-L12-840-AF12125-DIM-UNV_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	202.84	N.A.	16.40
0-30	435.31	N.A.	35.10
0-40	697.22	N.A.	56.20
0-60	1089.31	N.A.	87.80
0-80	1222.06	N.A.	98.50
0-90	1240.23	N.A.	100.00
10-90	1188.49	N.A.	95.80
20-40	494.39	N.A.	39.90
20-50	724.71	N.A.	58.40
40-70	482.00	N.A.	38.90
60-80	132.74	N.A.	10.70
70-80	42.83	N.A.	3.50
80-90	18.18	N.A.	1.50
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1240.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.74
10-20	151.10
20-30	232.48
30-40	261.91
40-50	230.32
50-60	161.77
60-70	89.91
70-80	42.83
80-90	18.18
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-2-L12-840-AF12125-DIM-UNV_.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	71	67	65
4	86	76	68	62	84	74	67	61	72	65	60	70	64	60	68	63	59	57
5	80	68	60	54	78	67	59	54	65	58	53	63	57	53	61	56	52	50
6	74	62	54	48	72	61	53	48	59	52	47	58	52	47	56	51	46	45
7	69	57	48	43	68	56	48	43	54	47	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	31	41	35	31	30

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-2-L12-840-AF12125-DIM-UNV_.IES

UGR TABLE - CORRECTED

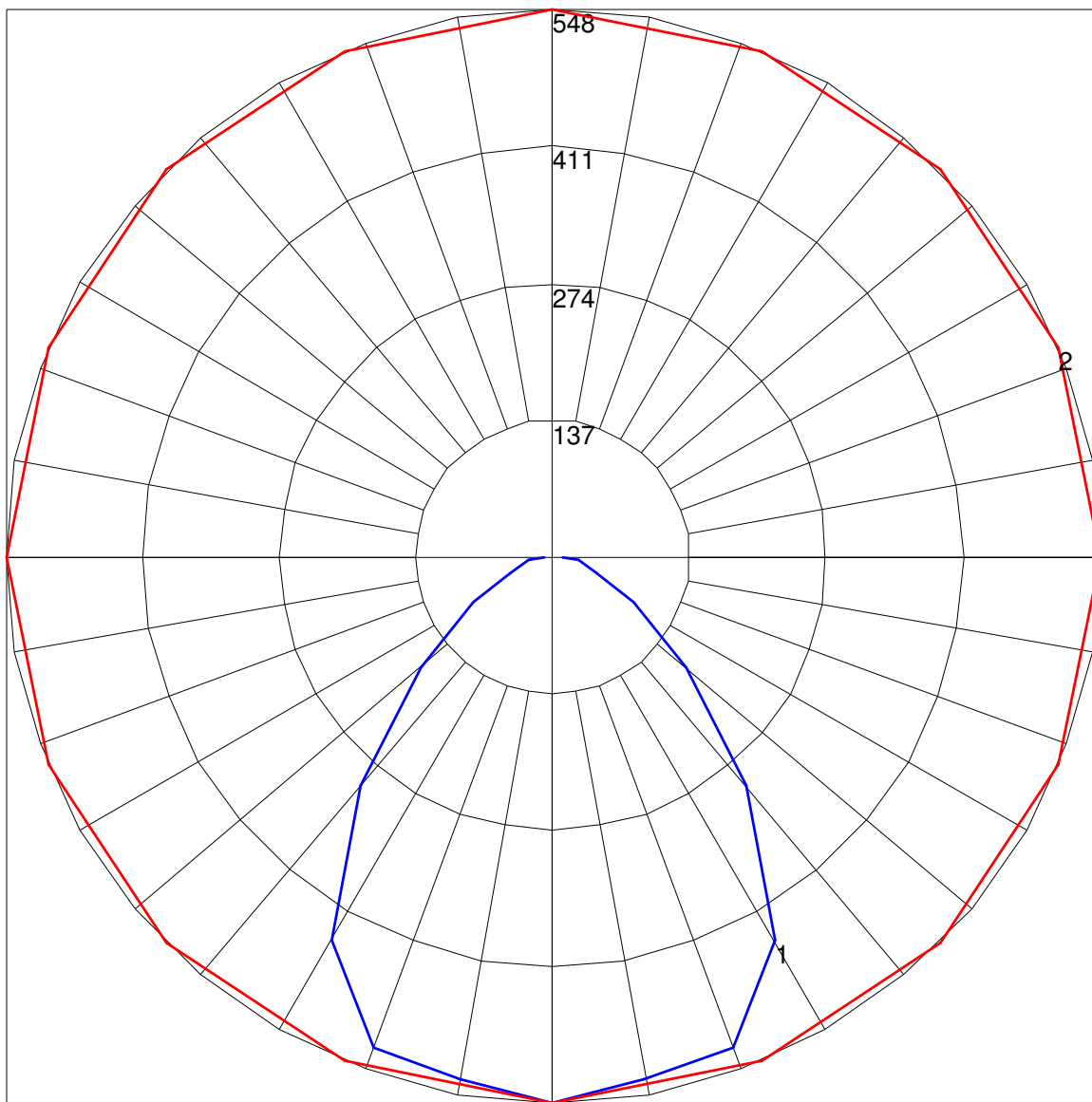
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	14.1	15.6	14.5	15.9	16.2	17.4	18.9	17.8	19.2	19.5
	3H	15.2	16.5	15.5	16.8	17.2	18.3	19.6	18.7	20.0	20.3
	4H	15.6	16.9	16.0	17.2	17.6	18.6	19.9	19.0	20.2	20.6
	6H	16.1	17.3	16.5	17.6	18.0	18.8	20.0	19.3	20.4	20.7
	8H	16.3	17.4	16.8	17.8	18.2	18.9	20.0	19.3	20.4	20.8
	12H	16.6	17.6	17.0	18.0	18.4	19.0	20.0	19.4	20.4	20.8
4H	2H	14.7	15.9	15.1	16.3	16.7	17.5	18.8	17.9	19.1	19.5
	3H	15.9	17.0	16.3	17.4	17.8	18.6	19.6	19.0	20.0	20.4
	4H	16.5	17.4	17.0	17.9	18.3	19.0	20.0	19.5	20.4	20.8
	6H	17.1	17.9	17.6	18.4	18.8	19.4	20.2	19.8	20.6	21.1
	8H	17.4	18.2	17.9	18.6	19.1	19.5	20.2	19.9	20.7	21.1
	12H	17.8	18.4	18.2	18.9	19.4	19.6	20.3	20.1	20.8	21.2
8H	4H	16.8	17.6	17.3	18.0	18.5	19.1	19.9	19.6	20.3	20.8
	6H	17.6	18.2	18.1	18.7	19.2	19.5	20.1	20.0	20.6	21.1
	8H	18.0	18.5	18.5	19.0	19.5	19.7	20.3	20.2	20.8	21.3
	12H	18.4	18.9	19.0	19.4	20.0	19.9	20.4	20.5	20.9	21.5
12H	4H	16.8	17.5	17.3	18.0	18.5	19.1	19.8	19.6	20.3	20.7
	6H	17.7	18.2	18.2	18.7	19.2	19.6	20.1	20.1	20.6	21.1
	8H	18.1	18.6	18.6	19.1	19.7	19.8	20.3	20.3	20.8	21.3

Maximum UGR = 21.5

POLAR GRAPH



Maximum Candela = 548.423 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.)