



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1SF-1-P6-835-AF12125-POE_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] GEN FROM Photopia 2014.0.1 see: www.ltiophics.com/ies

[ISSUEDATE]

[TESTDATE] 29 May 2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] 1SF-1-P6-835-AF12125-PoE

[LUMINAIRE] NOMINAL 1' LED UNDER CABINET LUMINAIRE

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	610
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	6.7
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)	1.01 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	4309	5396	6572
55	2996	3917	5335
65	2140	2596	3669
75	1801	1936	2381
85	2520	2568	2266

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-1-P6-835-AF12125-POE_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	269.793	269.793	269.793	269.793	269.793
10	261.762	263.010	262.777	264.480	265.580
20	258.587	259.733	261.180	262.300	262.735
30	219.095	225.157	233.743	242.095	244.452
40	147.572	156.375	177.942	197.363	205.160
50	85.200	91.800	113.522	139.528	149.850
60	46.047	47.903	58.108	76.267	83.915
70	23.025	23.483	25.692	31.282	34.517
80	12.585	12.735	12.578	12.213	12.557
90	4.192	4.540	4.518	3.053	2.530

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-1-P6-835-AF12125-POE_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	99.78	N.A.	16.40
0-30	214.15	N.A.	35.10
0-40	342.99	N.A.	56.20
0-60	535.88	N.A.	87.80
0-80	601.18	N.A.	98.50
0-90	610.12	N.A.	100.00
10-90	584.67	N.A.	95.80
20-40	243.21	N.A.	39.90
20-50	356.51	N.A.	58.40
40-70	237.12	N.A.	38.90
60-80	65.30	N.A.	10.70
70-80	21.07	N.A.	3.50
80-90	8.94	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	610.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.45
10-20	74.33
20-30	114.36
30-40	128.84
40-50	113.30
50-60	79.58
60-70	44.23
70-80	21.07
80-90	8.94
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-1-P6-835-AF12125-POE_.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	26	26	26	26	25	25	25	25	24	24	24	23	23	23	22	22	22	22
1	24	23	22	21	23	22	22	21	22	21	20	21	20	20	20	20	19	19
2	22	20	19	18	21	20	19	18	19	18	17	19	18	17	18	17	17	16
3	20	18	17	15	20	18	16	15	17	16	15	17	16	15	16	15	14	14
4	19	16	15	13	18	16	14	13	16	14	13	15	14	13	15	14	13	12
5	17	15	13	12	17	15	13	12	14	13	11	14	12	11	13	12	11	11
6	16	13	12	10	16	13	12	10	13	11	10	12	11	10	12	11	10	10
7	15	12	10	9	15	12	10	9	12	10	9	11	10	9	11	10	9	9
8	14	11	10	8	14	11	9	8	11	9	8	11	9	8	10	9	8	8
9	13	10	9	8	13	10	9	8	10	9	7	10	8	7	10	8	7	7
10	12	10	8	7	12	9	8	7	9	8	7	9	8	7	9	8	7	6

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1SF-1-P6-835-AF12125-POE_.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

X=2H	Y=2H	14.7	16.2	15.1	16.5	16.8	18.0	19.5	18.4	19.8	20.1
	3H	15.8	17.1	16.2	17.4	17.8	18.9	20.3	19.3	20.6	20.9
	4H	16.3	17.5	16.7	17.8	18.2	19.2	20.5	19.6	20.8	21.2
	6H	16.7	17.9	17.1	18.2	18.6	19.5	20.6	19.9	21.0	21.4
	8H	16.9	18.0	17.4	18.4	18.8	19.5	20.6	20.0	21.0	21.4
	12H	17.2	18.2	17.6	18.6	19.0	19.6	20.7	20.0	21.0	21.5

UGR Viewed Endwise

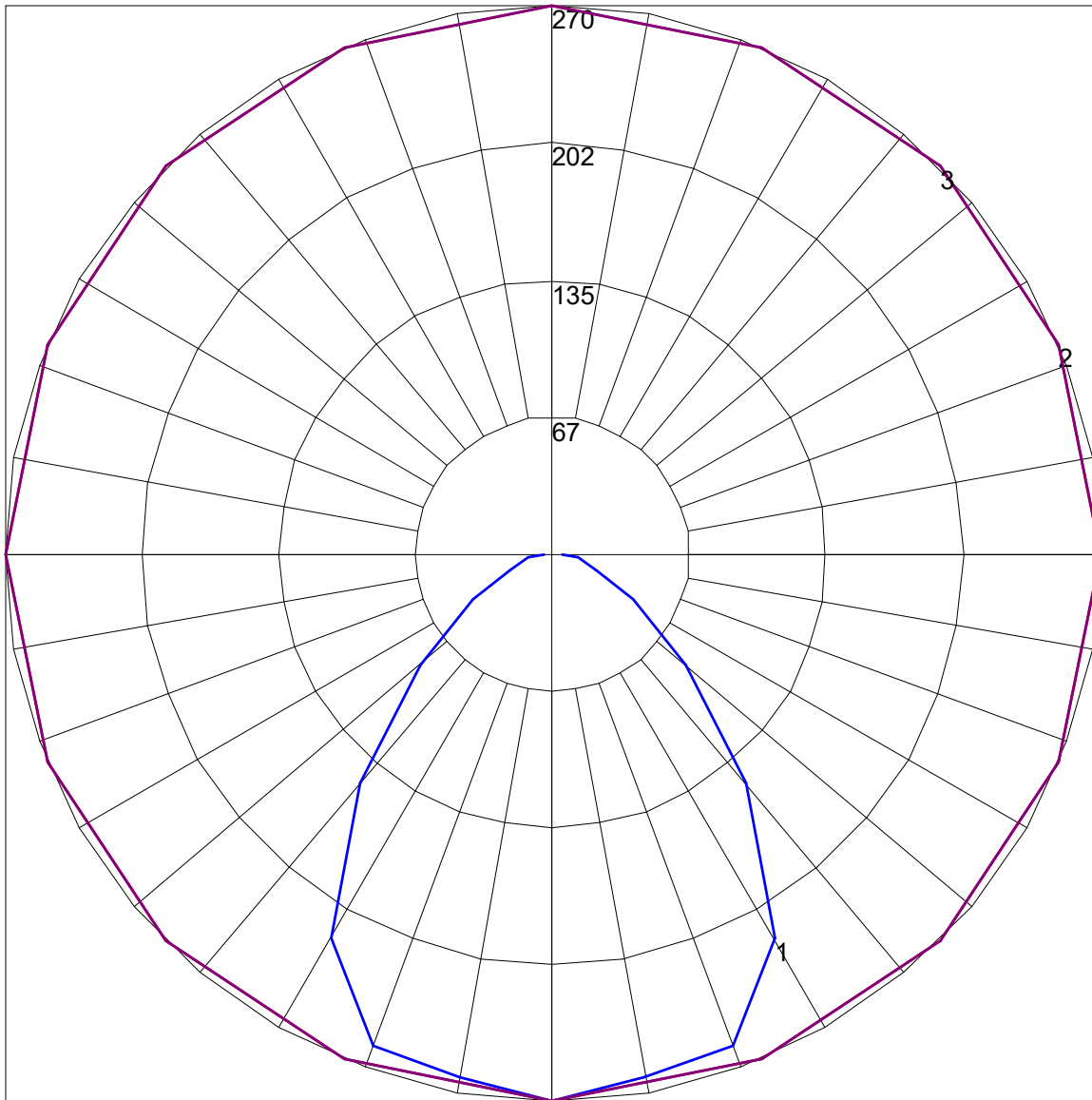
4H	2H	15.3	16.6	15.7	16.9	17.3	18.1	19.4	18.5	19.7	20.1
	3H	16.5	17.6	16.9	18.0	18.4	19.2	20.2	19.6	20.6	21.0
	4H	17.1	18.1	17.6	18.5	18.9	19.7	20.6	20.1	21.0	21.4
	6H	17.7	18.6	18.2	19.0	19.5	20.0	20.8	20.4	21.2	21.7
	8H	18.0	18.8	18.5	19.2	19.7	20.1	20.8	20.6	21.3	21.8
	12H	18.4	19.0	18.9	19.5	20.0	20.2	20.9	20.7	21.4	21.9

8H	4H	17.4	18.2	17.9	18.6	19.1	19.7	20.5	20.2	20.9	21.4
	6H	18.2	18.8	18.7	19.3	19.8	20.1	20.8	20.6	21.3	21.7
	8H	18.6	19.1	19.1	19.7	20.1	20.3	20.9	20.9	21.4	21.9
	12H	19.1	19.6	19.6	20.0	20.6	20.6	21.0	21.1	21.5	22.1

12H	4H	17.5	18.1	17.9	18.6	19.1	19.7	20.4	20.2	20.9	21.3
	6H	18.3	18.8	18.8	19.3	19.8	20.2	20.7	20.7	21.2	21.7
	8H	18.7	19.2	19.3	19.7	20.3	20.4	20.9	20.9	21.4	22.0

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 269.793 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.)
3 - Horizontal Cone Through Vertical Angle (0)