



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VOL24AFAMCT-30-H.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 14449548.01  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 8/25/2022  
 [TESTDATE] 8/25/2022  
 [MANUFAC] LAMAR LED  
 [LUMCAT] VOL24AFAMCT (30K)  
 [LUMINAIRE] Formed white steel housing, frosted plastic lens enclosure  
 [LAMP] 144 total LEDs 48 yellow LEDs, 96 orange  
 [BALLAST] One KTLD-30-UV-SC1050-56-VDIM-U7 Driver  
 [OTHER] 24 C, 120.069 V, 0.184366 A, 21.942 W, 0.991206 PF, 60.0101 Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2376
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	21.942
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	0.42 ft
Luminous Height	0.13 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8150	7330	7478
55	7542	6653	6988
65	6725	5932	6497
75	5230	5118	6018
85	2419	4463	5817

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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>
<b>0.0</b>	734.10	734.10	734.10	734.10	734.10
<b>0.5</b>	731.00	737.50	735.40	732.40	730.70
<b>1.0</b>	730.90	737.40	735.30	732.30	730.50
<b>1.5</b>	730.70	737.30	735.10	732.00	730.20
<b>2.0</b>	730.60	737.10	734.90	731.70	729.90
<b>2.5</b>	730.40	736.90	734.60	731.50	729.60
<b>3.0</b>	730.10	736.60	734.20	731.10	729.30
<b>3.5</b>	729.70	736.10	733.90	730.80	729.00
<b>4.0</b>	729.30	735.70	733.50	730.40	728.70
<b>4.5</b>	728.80	735.20	733.00	730.00	728.40
<b>5.0</b>	728.20	734.60	732.60	729.70	728.20
<b>5.5</b>	727.50	733.90	732.00	729.30	727.70
<b>6.0</b>	726.70	733.20	731.40	728.80	727.30
<b>6.5</b>	725.90	732.50	730.80	728.30	726.80
<b>7.0</b>	724.90	731.60	730.00	727.70	726.30
<b>7.5</b>	723.90	730.60	729.30	727.10	725.80
<b>8.0</b>	722.70	729.50	728.40	726.40	725.20
<b>8.5</b>	721.50	728.50	727.40	725.60	724.50
<b>9.0</b>	720.30	727.20	726.40	724.70	723.80
<b>9.5</b>	719.00	725.90	725.20	723.70	722.80
<b>10.0</b>	717.60	724.60	724.00	722.70	721.80
<b>10.5</b>	716.20	723.10	722.60	721.50	720.70
<b>11.0</b>	714.60	721.60	721.20	720.20	719.50
<b>11.5</b>	713.00	720.00	719.70	718.90	718.10
<b>12.0</b>	711.40	718.30	718.20	717.40	716.70
<b>12.5</b>	709.60	716.60	716.60	715.90	715.10
<b>13.0</b>	707.80	714.90	714.90	714.30	713.60
<b>13.5</b>	705.90	713.00	713.20	712.70	712.10
<b>14.0</b>	703.90	711.10	711.40	711.10	710.60
<b>14.5</b>	701.90	709.10	709.60	709.50	709.10
<b>15.0</b>	699.90	707.10	707.80	707.90	707.70
<b>15.5</b>	697.70	705.00	705.90	706.30	706.30
<b>16.0</b>	695.40	702.80	704.00	704.80	704.90
<b>16.5</b>	693.10	700.60	702.10	703.20	703.40
<b>17.0</b>	690.80	698.40	700.10	701.60	701.90
<b>17.5</b>	688.40	696.00	698.20	700.00	700.40
<b>18.0</b>	686.00	693.70	696.10	698.10	698.70
<b>18.5</b>	683.40	691.30	694.00	696.30	697.10
<b>19.0</b>	680.80	688.90	691.90	694.40	695.20
<b>19.5</b>	678.20	686.20	689.60	692.40	693.40
<b>20.0</b>	675.50	683.70	687.30	690.30	691.30
<b>20.5</b>	672.80	681.10	684.90	688.10	689.30
<b>21.0</b>	669.90	678.30	682.30	686.00	687.10
<b>21.5</b>	667.00	675.50	679.90	683.60	684.90
<b>22.0</b>	663.90	672.50	677.10	681.10	682.50
<b>22.5</b>	660.90	669.50	674.40	678.70	680.10
<b>23.0</b>	657.70	666.50	671.60	676.10	677.80
<b>23.5</b>	654.40	663.30	668.60	673.40	675.20
<b>24.0</b>	651.00	660.00	665.60	670.80	672.70
<b>24.5</b>	647.60	656.70	662.60	668.00	670.10
<b>25.0</b>	644.00	653.30	659.40	665.20	667.40
<b>25.5</b>	640.40	649.70	656.30	662.30	664.60
<b>26.0</b>	636.60	646.20	652.90	659.30	661.80
<b>26.5</b>	632.70	642.50	649.60	656.20	658.70

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**CANDELA TABULATION - (Cont.)**

27.0	628.80	638.80	646.20	653.00	655.60
27.5	624.90	634.90	642.60	649.70	652.30
28.0	620.90	631.00	639.00	646.30	649.00
28.5	616.80	626.90	635.20	642.90	645.80
29.0	612.60	622.90	631.40	639.40	642.40
29.5	608.40	618.70	627.50	635.90	639.30
30.0	604.20	614.50	623.50	632.30	635.90
30.5	599.90	610.20	619.50	628.70	632.50
31.0	595.40	605.80	615.40	625.10	629.30
31.5	591.10	601.50	611.40	621.40	625.90
32.0	586.50	597.10	607.30	617.70	622.30
32.5	582.10	592.70	603.20	614.00	618.90
33.0	577.60	588.20	599.00	610.20	615.20
33.5	572.90	583.70	595.00	606.40	611.50
34.0	568.30	579.20	590.70	602.40	607.70
34.5	563.60	574.70	586.50	598.40	603.70
35.0	558.80	570.10	582.20	594.50	599.90
35.5	554.10	565.30	577.80	590.30	595.70
36.0	549.20	560.60	573.30	586.20	591.60
36.5	544.30	555.80	568.80	581.80	587.40
37.0	539.40	550.90	564.10	577.40	583.10
37.5	534.30	546.00	559.30	572.90	578.70
38.0	529.30	540.90	554.40	568.10	574.10
38.5	524.20	535.90	549.40	563.40	569.40
39.0	519.10	530.90	544.50	558.60	564.60
39.5	513.90	525.60	539.30	553.60	559.90
40.0	508.70	520.40	534.20	548.70	555.00
40.5	503.60	515.10	529.10	543.70	550.20
41.0	498.30	509.90	523.90	538.80	545.40
41.5	493.10	504.70	518.90	534.10	540.70
42.0	487.70	499.40	513.90	529.20	536.20
42.5	482.40	494.20	508.80	524.70	531.70
43.0	477.20	488.90	503.90	520.10	527.30
43.5	471.90	483.70	499.10	515.60	523.10
44.0	466.70	478.60	494.20	511.30	519.00
44.5	461.50	473.40	489.50	506.90	514.80
45.0	456.30	468.20	484.70	502.70	510.90
45.5	451.10	463.10	480.00	498.50	506.90
46.0	446.00	458.00	475.30	494.30	502.90
46.5	440.70	452.80	470.50	490.10	499.00
47.0	435.50	447.70	465.80	485.70	494.80
47.5	430.30	442.50	461.00	481.50	490.80
48.0	425.20	437.40	456.30	477.10	486.60
48.5	419.80	432.30	451.50	472.70	482.30
49.0	414.70	427.10	446.70	468.30	478.10
49.5	409.40	422.00	441.80	463.80	473.60
50.0	404.10	416.90	437.00	459.40	469.30
50.5	398.90	411.70	432.20	454.80	465.00
51.0	393.70	406.60	427.40	450.30	460.50
51.5	388.40	401.40	422.50	445.90	456.30
52.0	383.20	396.20	417.60	441.30	452.00
52.5	377.90	391.10	412.70	436.80	447.60
53.0	372.70	385.80	407.90	432.40	443.30
53.5	367.50	380.70	403.10	427.70	438.80
54.0	362.20	375.40	398.10	423.20	434.50
54.5	356.90	370.10	393.30	418.60	430.00

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**CANDELA TABULATION - (Cont.)**

55.0	351.50	364.90	388.20	414.00	425.50
55.5	346.20	359.50	383.20	409.50	421.00
56.0	340.90	354.20	378.30	404.70	416.40
56.5	335.40	348.80	373.30	400.10	411.80
57.0	330.00	343.30	368.20	395.40	407.10
57.5	324.50	337.90	363.20	390.60	402.60
58.0	319.00	332.40	358.20	386.00	398.00
58.5	313.50	327.00	353.20	381.30	393.50
59.0	308.00	321.50	348.30	376.70	388.90
59.5	302.50	316.00	343.30	372.10	384.40
60.0	296.90	310.70	338.40	367.50	380.00
60.5	291.30	305.20	333.50	363.00	375.60
61.0	285.80	299.90	328.70	358.40	371.20
61.5	280.20	294.40	323.80	354.00	366.80
62.0	274.70	289.10	318.90	349.30	362.30
62.5	269.10	283.60	314.10	344.90	358.00
63.0	263.50	278.30	309.20	340.30	353.60
63.5	257.80	272.80	304.30	335.60	349.00
64.0	252.20	267.50	299.40	331.10	344.60
64.5	246.50	262.00	294.50	326.40	340.00
65.0	240.80	256.50	289.50	321.70	335.30
65.5	235.10	251.10	284.50	317.00	330.80
66.0	229.40	245.60	279.60	312.30	326.40
66.5	223.70	240.10	274.60	307.70	321.80
67.0	217.90	234.60	269.70	303.00	317.20
67.5	212.20	229.10	264.90	298.40	312.70
68.0	206.40	223.70	260.00	293.90	308.20
68.5	200.70	218.20	255.10	289.20	303.60
69.0	194.90	212.70	250.30	284.80	299.30
69.5	189.10	207.20	245.50	280.20	294.60
70.0	183.30	201.80	240.70	275.60	290.10
70.5	177.40	196.40	235.80	271.10	285.70
71.0	171.60	190.90	231.00	266.50	281.10
71.5	165.70	185.50	226.30	262.00	276.60
72.0	159.80	180.00	221.50	257.40	272.00
72.5	154.00	174.60	216.70	252.80	267.50
73.0	148.10	169.30	211.90	248.30	263.00
73.5	142.30	164.00	207.20	243.70	258.50
74.0	136.50	158.80	202.60	239.30	254.10
74.5	130.80	153.60	197.90	234.80	249.70
75.0	125.10	148.50	193.30	230.50	245.30
75.5	119.40	143.60	188.90	226.20	241.10
76.0	113.80	138.60	184.50	221.90	236.90
76.5	108.30	133.70	180.10	217.70	232.60
77.0	102.80	128.90	175.90	213.50	228.60
77.5	97.45	124.10	171.60	209.40	224.50
78.0	92.13	119.50	167.40	205.30	220.40
78.5	86.85	114.90	163.30	201.30	216.40
79.0	81.70	110.40	159.30	197.40	212.50
79.5	76.57	105.90	155.30	193.30	208.50
80.0	71.93	101.50	151.30	189.40	204.50
80.5	66.98	97.22	147.40	185.60	200.60
81.0	62.05	93.01	143.50	181.70	196.70
81.5	57.30	88.86	139.60	177.80	192.90
82.0	52.62	84.83	135.80	174.00	189.00
82.5	48.05	80.85	132.00	170.20	185.20

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**CANDELA TABULATION - (Cont.)**

<b>83.0</b>	43.61	77.23	128.30	166.60	181.40
<b>83.5</b>	39.32	73.52	124.60	162.80	177.60
<b>84.0</b>	35.19	69.92	121.10	159.20	174.00
<b>84.5</b>	31.19	66.59	117.70	155.70	170.40
<b>85.0</b>	27.35	63.18	114.20	152.20	166.80
<b>85.5</b>	23.71	59.92	110.80	148.80	163.40
<b>86.0</b>	20.27	56.77	107.50	145.30	159.80
<b>86.5</b>	17.04	53.71	104.30	142.00	156.50
<b>87.0</b>	14.08	50.80	101.20	138.70	153.10
<b>87.5</b>	11.40	47.96	98.08	135.40	149.80
<b>88.0</b>	9.12	45.26	95.04	132.20	146.50
<b>88.5</b>	7.23	42.65	92.03	129.00	143.10
<b>89.0</b>	5.69	40.12	89.05	125.80	140.00
<b>89.5</b>	3.36	37.65	86.10	122.60	136.70
<b>90.0</b>	1.32	35.36	83.25	119.50	133.40
<b>90.5</b>	1.20	33.20	80.48	116.40	130.30
<b>91.0</b>	1.19	31.11	77.90	113.30	127.10
<b>91.5</b>	1.18	29.13	75.16	110.30	123.90
<b>92.0</b>	1.17	27.27	72.50	107.30	120.90
<b>92.5</b>	1.16	25.51	70.05	104.40	117.80
<b>93.0</b>	1.16	23.86	67.65	101.60	114.80
<b>93.5</b>	1.15	22.30	65.26	98.73	111.80
<b>94.0</b>	1.15	20.85	62.93	96.06	109.00
<b>94.5</b>	1.15	19.48	60.68	93.38	106.20
<b>95.0</b>	1.15	18.21	58.51	90.83	103.40
<b>95.5</b>	1.15	17.01	56.38	88.31	100.80
<b>96.0</b>	1.15	15.89	54.36	85.82	98.11
<b>96.5</b>	1.15	14.84	52.37	83.43	95.59
<b>97.0</b>	1.16	13.87	50.43	81.11	93.07
<b>97.5</b>	1.16	12.94	48.57	78.89	90.57
<b>98.0</b>	1.16	12.09	46.72	76.60	88.13
<b>98.5</b>	1.17	11.28	44.95	74.29	85.74
<b>99.0</b>	1.17	10.52	43.21	72.09	83.37
<b>99.5</b>	1.18	9.82	41.52	69.89	81.13
<b>100.0</b>	1.18	9.16	39.90	67.96	78.96
<b>100.5</b>	1.19	8.55	38.30	65.86	76.70
<b>101.0</b>	1.20	7.99	36.78	63.82	74.47
<b>101.5</b>	1.20	7.46	35.31	61.82	72.27
<b>102.0</b>	1.21	6.97	33.86	59.88	70.22
<b>102.5</b>	1.22	6.52	32.49	57.96	68.30
<b>103.0</b>	1.23	6.09	31.15	56.09	66.22
<b>103.5</b>	1.23	5.70	29.87	54.30	64.21
<b>104.0</b>	1.24	5.33	28.62	52.50	62.21
<b>104.5</b>	1.25	4.99	27.42	50.77	60.30
<b>105.0</b>	1.26	4.68	26.27	49.09	58.38
<b>105.5</b>	1.27	4.39	25.15	47.42	56.50
<b>106.0</b>	1.28	4.13	24.07	45.82	54.69
<b>106.5</b>	1.29	3.89	23.04	44.24	52.93
<b>107.0</b>	1.30	3.69	22.02	42.71	51.18
<b>107.5</b>	1.31	3.50	21.07	41.21	49.50
<b>108.0</b>	1.32	3.36	20.14	39.76	47.86
<b>108.5</b>	1.33	3.23	19.25	38.34	46.25
<b>109.0</b>	1.34	3.10	18.39	36.96	44.68
<b>109.5</b>	1.34	2.90	17.56	35.61	43.17
<b>110.0</b>	1.35	2.68	16.77	34.30	41.70
<b>110.5</b>	1.36	2.40	16.00	33.03	40.25

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**CANDELA TABULATION - (Cont.)**

111.0	1.37	2.10	15.26	31.80	38.85
111.5	1.38	1.84	14.55	30.58	37.48
112.0	1.39	1.67	13.86	29.42	36.16
112.5	1.40	1.55	13.21	28.29	34.87
113.0	1.40	1.48	12.59	27.20	33.60
113.5	1.41	1.45	11.97	26.13	32.37
114.0	1.42	1.45	11.40	25.10	31.16
114.5	1.42	1.45	10.84	24.11	30.01
115.0	1.43	1.45	10.31	23.13	28.87
115.5	1.44	1.45	9.80	22.19	27.74
116.0	1.44	1.45	9.31	21.27	26.68
116.5	1.45	1.45	8.84	20.37	25.61
117.0	1.45	1.46	8.40	19.52	24.59
117.5	1.46	1.46	7.98	18.69	23.61
118.0	1.47	1.47	7.59	17.89	22.62
118.5	1.47	1.47	7.22	17.10	21.67
119.0	1.48	1.48	6.88	16.35	20.76
119.5	1.48	1.48	6.56	15.62	19.89
120.0	1.48	1.49	6.26	14.91	19.04
120.5	1.49	1.49	5.99	14.24	18.21
121.0	1.50	1.50	5.75	13.58	17.41
121.5	1.50	1.50	5.54	12.94	16.65
122.0	1.51	1.51	5.36	12.32	15.91
122.5	1.51	1.51	5.15	11.73	15.18
123.0	1.52	1.52	4.88	11.15	14.49
123.5	1.53	1.52	4.58	10.60	13.81
124.0	1.53	1.53	4.25	10.08	13.16
124.5	1.54	1.53	3.87	9.58	12.54
125.0	1.55	1.54	3.43	9.10	11.93
125.5	1.55	1.54	2.97	8.66	11.34
126.0	1.56	1.55	2.51	8.23	10.77
126.5	1.57	1.56	2.17	7.84	10.23
127.0	1.58	1.57	1.90	7.47	9.72
127.5	1.59	1.57	1.67	7.14	9.23
128.0	1.60	1.58	1.50	6.84	8.77
128.5	1.61	1.59	1.42	6.57	8.33
129.0	1.62	1.60	1.40	6.35	7.91
129.5	1.63	1.61	1.40	6.11	7.54
130.0	1.64	1.61	1.40	5.82	7.20
130.5	1.65	1.62	1.40	5.48	6.89
131.0	1.66	1.63	1.40	5.11	6.62
131.5	1.67	1.64	1.41	4.70	6.38
132.0	1.68	1.65	1.41	4.23	6.10
132.5	1.69	1.66	1.42	3.69	5.77
133.0	1.70	1.67	1.43	3.10	5.40
133.5	1.71	1.68	1.43	2.58	5.01
134.0	1.71	1.69	1.44	2.17	4.55
134.5	1.72	1.69	1.45	1.85	4.01
135.0	1.73	1.70	1.46	1.55	3.43
135.5	1.74	1.71	1.47	1.31	2.82
136.0	1.75	1.72	1.48	1.20	2.27
136.5	1.76	1.73	1.49	1.19	1.88
137.0	1.76	1.74	1.50	1.19	1.56
137.5	1.78	1.75	1.51	1.19	1.27
138.0	1.79	1.76	1.52	1.19	1.06
138.5	1.80	1.77	1.53	1.20	1.03

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VOL24AFAMCT-30-H.IES**

**CANDELA TABULATION - (Cont.)**

139.0	1.81	1.78	1.54	1.20	1.04
139.5	1.82	1.80	1.55	1.21	1.04
140.0	1.83	1.81	1.56	1.21	1.05
140.5	1.85	1.82	1.57	1.22	1.06
141.0	1.86	1.83	1.58	1.22	1.07
141.5	1.87	1.84	1.59	1.23	1.08
142.0	1.88	1.86	1.60	1.24	1.09
142.5	1.89	1.87	1.61	1.25	1.10
143.0	1.91	1.88	1.63	1.26	1.11
143.5	1.92	1.89	1.64	1.27	1.12
144.0	1.93	1.90	1.65	1.29	1.13
144.5	1.94	1.92	1.66	1.30	1.14
145.0	1.96	1.93	1.67	1.30	1.16
145.5	1.97	1.94	1.69	1.31	1.17
146.0	1.98	1.96	1.70	1.33	1.19
146.5	2.00	1.97	1.71	1.33	1.20
147.0	2.01	1.98	1.72	1.34	1.22
147.5	2.02	2.00	1.73	1.35	1.23
148.0	2.03	2.01	1.73	1.36	1.23
148.5	2.05	2.02	1.74	1.37	1.24
149.0	2.06	2.04	1.75	1.38	1.25
149.5	2.07	2.05	1.76	1.39	1.26
150.0	2.08	2.07	1.77	1.40	1.27
150.5	2.10	2.08	1.78	1.41	1.28
151.0	2.11	2.09	1.78	1.42	1.29
151.5	2.12	2.11	1.80	1.43	1.30
152.0	2.14	2.12	1.81	1.44	1.31
152.5	2.15	2.13	1.82	1.45	1.32
153.0	2.17	2.15	1.83	1.46	1.33
153.5	2.19	2.16	1.84	1.46	1.33
154.0	2.20	2.17	1.85	1.47	1.34
154.5	2.21	2.18	1.86	1.47	1.35
155.0	2.23	2.20	1.88	1.48	1.36
155.5	2.24	2.21	1.89	1.49	1.37
156.0	2.25	2.22	1.90	1.50	1.37
156.5	2.26	2.24	1.91	1.51	1.38
157.0	2.28	2.25	1.93	1.53	1.39
157.5	2.29	2.26	1.94	1.54	1.39
158.0	2.31	2.27	1.95	1.56	1.40
158.5	2.31	2.28	1.95	1.57	1.40
159.0	2.33	2.29	1.96	1.58	1.40
159.5	2.34	2.30	1.97	1.58	1.40
160.0	2.35	2.31	1.98	1.59	1.40
160.5	2.36	2.32	1.99	1.60	1.40
161.0	2.37	2.33	2.00	1.61	1.40
161.5	2.38	2.34	2.01	1.61	1.41
162.0	2.39	2.34	2.01	1.62	1.41
162.5	2.40	2.36	2.02	1.62	1.41
163.0	2.41	2.37	2.03	1.63	1.42
163.5	2.43	2.38	2.04	1.63	1.43
164.0	2.44	2.39	2.05	1.64	1.44
164.5	2.45	2.40	2.06	1.65	1.44
165.0	2.46	2.41	2.07	1.66	1.45
165.5	2.48	2.43	2.08	1.67	1.46
166.0	2.49	2.44	2.09	1.68	1.47
166.5	2.50	2.45	2.11	1.69	1.48

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VOL24AFAMCT-30-H.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	2.52	2.47	2.13	1.70	1.49
<b>167.5</b>	2.53	2.48	2.15	1.71	1.50
<b>168.0</b>	2.54	2.49	2.17	1.72	1.51
<b>168.5</b>	2.55	2.50	2.18	1.73	1.52
<b>169.0</b>	2.56	2.51	2.18	1.74	1.52
<b>169.5</b>	2.57	2.53	2.19	1.74	1.52
<b>170.0</b>	2.58	2.54	2.19	1.75	1.52
<b>170.5</b>	2.60	2.56	2.20	1.75	1.52
<b>171.0</b>	2.61	2.56	2.21	1.75	1.52
<b>171.5</b>	2.62	2.57	2.21	1.76	1.51
<b>172.0</b>	2.62	2.57	2.22	1.76	1.51
<b>172.5</b>	2.63	2.58	2.23	1.77	1.51
<b>173.0</b>	2.63	2.59	2.23	1.77	1.51
<b>173.5</b>	2.64	2.59	2.24	1.77	1.51
<b>174.0</b>	2.65	2.60	2.25	1.78	1.51
<b>174.5</b>	2.66	2.61	2.26	1.79	1.51
<b>175.0</b>	2.66	2.62	2.26	1.79	1.50
<b>175.5</b>	2.67	2.63	2.27	1.80	1.50
<b>176.0</b>	2.68	2.64	2.28	1.81	1.50
<b>176.5</b>	2.69	2.65	2.29	1.83	1.50
<b>177.0</b>	2.71	2.66	2.30	1.84	1.50
<b>177.5</b>	2.72	2.67	2.32	1.85	1.50
<b>178.0</b>	2.76	2.70	2.35	1.86	1.50
<b>178.5</b>	2.77	2.73	2.37	1.87	1.51
<b>179.0</b>	2.76	2.73	2.37	1.86	1.51
<b>179.5</b>	2.74	2.72	2.37	1.86	1.52
<b>180.0</b>	2.26	2.26	2.26	2.26	2.26



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VOL24AFAMCT-30-H.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	269.11	N.A.	11.30
0-30	572.31	N.A.	24.10
0-40	935.73	N.A.	39.40
0-60	1658.06	N.A.	69.80
0-80	2145.05	N.A.	90.30
0-90	2262.88	N.A.	95.30
10-90	2193.34	N.A.	92.30
20-40	666.63	N.A.	28.10
20-50	1041.24	N.A.	43.80
40-70	1008.38	N.A.	42.40
60-80	486.99	N.A.	20.50
70-80	200.94	N.A.	8.50
80-90	117.83	N.A.	5.00
90-110	90.78	N.A.	3.80
90-120	103.58	N.A.	4.40
90-130	108.45	N.A.	4.60
90-150	111.09	N.A.	4.70
90-180	112.72	N.A.	4.70
110-180	21.94	N.A.	0.90
0-180	2375.59	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	69.54
10-20	199.57
20-30	303.20
30-40	363.42
40-50	374.61
50-60	347.71
60-70	286.06
70-80	200.94
80-90	117.83
90-100	61.08
100-110	29.70
110-120	12.81
120-130	4.87
130-140	1.63
140-150	1.01
150-160	0.85
160-170	0.57
170-180	0.21

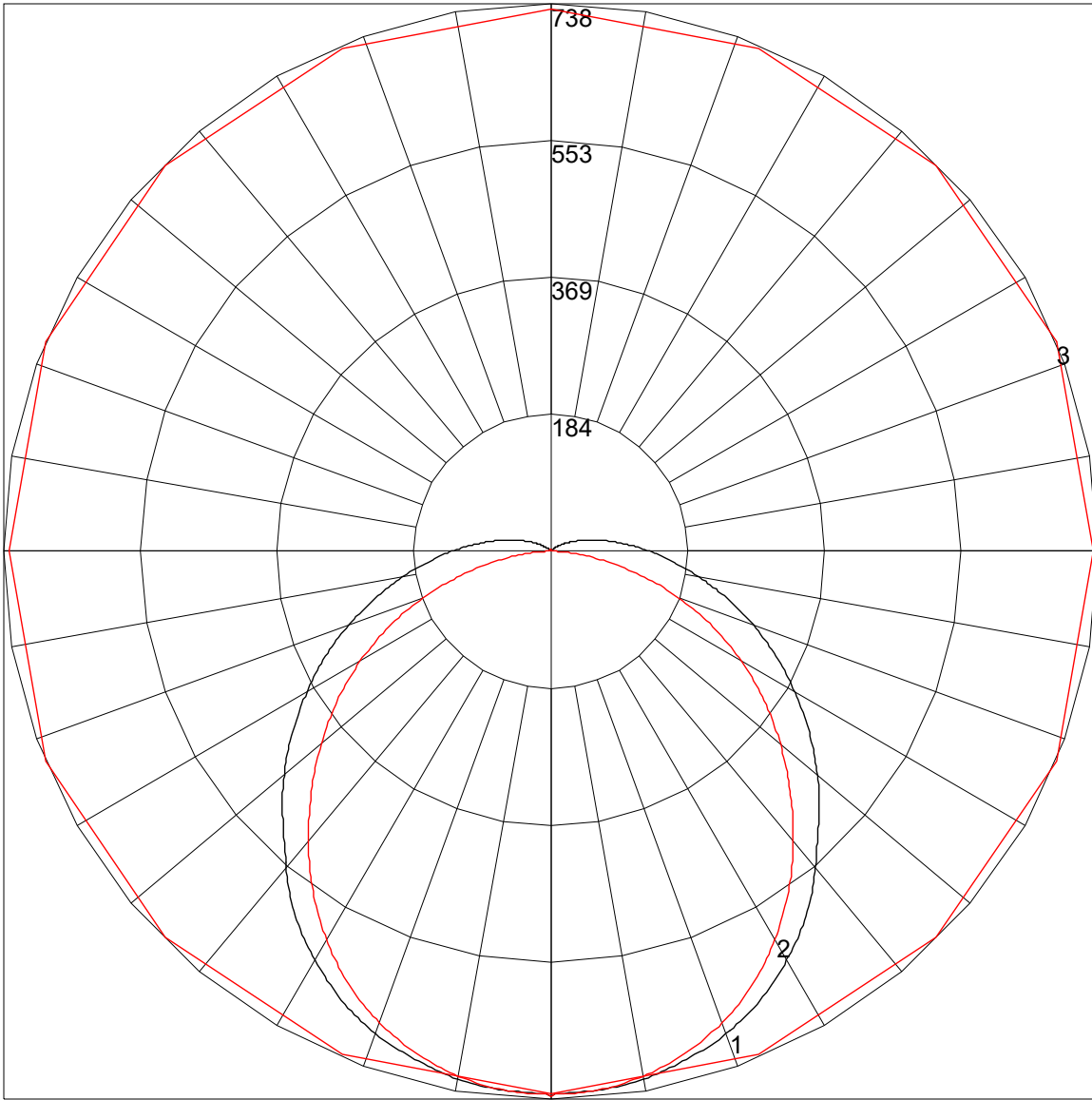
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VOL24AFAMCT-30-H.IES**

**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	118	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	106	101	96	91	91	103	98	93	89	93	89	86	88	85	82	84	81	79	76
2	96	87	80	73	73	93	85	78	72	80	75	70	76	72	67	72	69	65	63
3	87	76	67	60	60	84	74	66	60	70	64	58	67	61	56	64	59	55	52
4	80	67	58	51	51	77	65	57	50	62	55	49	59	53	48	57	51	47	44
5	73	60	51	44	44	71	58	50	43	56	48	42	53	47	41	51	45	40	38
6	68	54	45	38	38	65	53	44	38	50	43	37	48	41	36	46	40	36	33
7	63	49	40	33	33	61	48	39	33	46	38	33	44	37	32	42	36	31	29
8	58	44	36	30	30	56	44	35	30	42	34	29	40	33	29	39	33	28	26
9	54	41	32	27	27	53	40	32	27	38	31	26	37	30	26	36	30	25	23
10	51	38	30	24	24	49	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 737.5 Located At Horizontal Angle = 22.5, Vertical Angle = .5

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

# 2 - Vertical Plane Through Horizontal Angles (0 - 180)

# 3 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)