



IES INDOOR REPORT

PHOTOMETRIC FILENAME : C6C-ASY-0-UNVET9-35LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4630
[TESTLAB] Tempo LLC
[ISSUEDATE] 9/25/2024 11:33:04 AM
[MANUFAC] Tempo LLC
[LUMCAT] C6C-ASY-0-UNVET9-35LG-1
[LUMINAIRE] Light gray aluminum housing with lens
[LAMP] Sixteen (16) white LEDs (3500K) with asymmetric optics
[ELECTRICALS] 119.88 VAC, 0.0724 A, 0.9642 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	712
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	8.68
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	0.80
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.97 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10901	20564	44967
55	7292	13515	31481
65	5162	8593	22551
75	3670	5297	16278
85	3282	4279	8825

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40
2.5	656.26	656.38	656.50	655.68	654.86	654.12	653.37	653.29	653.20	650.23
5.0	647.20	646.95	646.69	647.41	648.13	648.50	648.86	650.51	652.15	651.43
7.5	611.01	611.52	612.02	614.22	616.42	620.39	624.37	629.77	635.16	637.56
10.0	554.33	555.52	556.69	561.76	566.83	574.79	582.76	592.73	602.69	610.13
12.5	488.44	490.30	492.15	499.22	506.29	517.31	528.33	543.27	558.21	571.69
15.0	422.68	425.04	427.40	435.46	443.51	457.13	470.74	489.30	507.86	526.26
17.5	363.52	365.82	368.12	377.25	386.38	400.51	414.64	435.31	455.99	478.74
20.0	312.18	314.63	317.07	325.77	334.47	348.94	363.40	384.81	406.22	431.37
22.5	267.43	269.97	272.50	281.13	289.77	303.93	318.09	339.46	360.82	386.71
25.0	229.42	231.73	234.03	242.25	250.46	264.23	277.99	298.69	319.38	345.80
27.5	196.86	199.35	201.83	209.34	216.85	229.80	242.75	262.76	282.76	308.33
30.0	169.74	172.00	174.25	181.42	188.60	200.42	212.23	230.89	249.53	274.25
32.5	146.19	148.36	150.52	157.19	163.85	174.89	185.93	203.04	220.14	243.40
35.0	126.08	128.08	130.08	136.11	142.12	152.65	163.18	178.98	194.77	215.83
37.5	109.13	110.89	112.64	118.10	123.55	133.08	142.60	157.24	171.87	191.18
40.0	94.81	96.39	97.96	102.71	107.46	116.06	124.65	137.90	151.15	168.69
42.5	82.61	83.97	85.32	89.57	93.82	101.34	108.85	120.70	132.53	148.37
45.0	72.30	73.48	74.64	78.25	81.86	88.40	94.94	105.45	115.96	130.06
47.5	63.27	64.28	65.29	68.41	71.53	77.26	82.98	92.19	101.38	113.83
50.0	55.25	56.26	57.27	59.85	62.42	67.31	72.20	80.21	88.22	99.12
52.5	48.66	49.36	50.05	52.24	54.42	58.52	62.61	69.55	76.48	85.85
55.0	42.59	43.15	43.71	45.52	47.32	50.76	54.20	60.10	66.00	74.12
57.5	37.39	37.85	38.30	39.75	41.20	43.99	46.77	51.65	56.51	63.55
60.0	32.95	33.27	33.58	34.65	35.72	37.92	40.10	44.18	48.26	54.18
62.5	28.96	29.22	29.47	30.28	31.09	32.73	34.37	37.62	40.87	45.89
65.0	25.15	25.39	25.63	26.30	26.96	28.26	29.56	31.98	34.40	38.47
67.5	21.60	21.83	22.05	22.66	23.27	24.29	25.31	27.13	28.96	32.08
70.0	18.77	18.85	18.91	19.38	19.84	20.66	21.47	22.83	24.18	26.49
72.5	16.02	16.04	16.05	16.41	16.76	17.43	18.09	19.08	20.07	21.71
75.0	13.78	13.80	13.81	14.02	14.23	14.66	15.09	15.85	16.60	17.66
77.5	11.96	12.02	12.06	12.23	12.39	12.64	12.89	13.26	13.62	14.25
80.0	10.77	10.79	10.81	10.91	11.00	11.16	11.31	11.51	11.70	11.77
82.5	9.51	9.55	9.58	9.66	9.73	9.87	10.01	10.21	10.40	10.25
85.0	8.28	8.31	8.33	8.44	8.54	8.71	8.87	8.98	9.09	8.94
87.5	7.10	7.14	7.16	7.31	7.45	7.60	7.74	7.84	7.92	7.72
90.0	6.19	6.17	6.14	6.28	6.41	6.57	6.72	6.73	6.73	6.57
100.0	3.15	3.14	3.11	3.16	3.21	3.27	3.31	3.28	3.23	2.92
110.0	1.70	1.63	1.56	1.52	1.47	1.30	1.12	0.86	0.60	0.52
120.0	0.35	0.33	0.30	0.30	0.30	0.33	0.35	0.35	0.35	0.34
130.0	0.37	0.35	0.33	0.31	0.30	0.30	0.29	0.33	0.36	0.35
140.0	0.35	0.32	0.29	0.31	0.33	0.32	0.31	0.31	0.32	0.33
150.0	0.28	0.28	0.28	0.28	0.27	0.28	0.29	0.28	0.26	0.26
160.0	0.23	0.23	0.23	0.22	0.22	0.20	0.19	0.20	0.21	0.20
170.0	0.13	0.12	0.12	0.12	0.11	0.11	0.10	0.11	0.11	0.11
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40
2.5	647.27	645.90	644.52	642.39	640.26	637.82	635.38	632.92	630.46	627.34
5.0	650.72	649.99	649.26	647.01	644.75	641.33	637.91	632.95	628.00	621.60
7.5	639.95	642.47	644.98	644.54	644.10	640.31	636.52	630.06	623.60	613.82

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CANDELA TABULATION - (Cont.)

10.0	617.55	624.56	631.56	634.33	637.09	634.54	631.97	624.10	616.23	602.74
12.5	585.17	597.94	610.71	617.56	624.41	623.45	622.48	613.51	604.53	588.10
15.0	544.66	563.30	581.95	593.57	605.19	607.12	609.05	599.89	590.72	570.94
17.5	501.48	524.99	548.49	565.30	582.10	587.17	592.24	582.86	573.48	551.02
20.0	456.51	484.75	512.99	534.55	556.11	564.39	572.66	563.67	554.67	529.93
22.5	412.59	443.96	475.32	501.27	527.22	538.77	550.31	541.56	532.81	506.24
25.0	372.21	405.04	437.86	467.02	496.18	510.44	524.69	516.30	507.90	480.04
27.5	333.89	367.09	400.29	431.53	462.76	479.17	495.57	487.88	480.18	451.93
30.0	298.96	331.39	363.81	395.67	427.52	445.61	463.69	456.48	449.26	421.13
32.5	266.66	297.73	328.80	360.45	392.11	410.44	428.76	422.21	415.64	388.58
35.0	236.87	265.90	294.92	325.44	355.96	374.48	393.00	387.07	381.14	355.28
37.5	210.49	237.11	263.72	292.33	320.93	338.83	356.73	351.14	345.54	321.38
40.0	186.22	210.11	233.99	260.57	287.15	303.69	320.22	315.44	310.66	288.60
42.5	164.20	185.56	206.91	230.76	254.61	270.15	285.70	281.01	276.32	256.55
45.0	144.15	163.27	182.39	203.34	224.29	238.15	252.01	247.87	243.72	226.59
47.5	126.26	142.91	159.55	177.87	196.18	208.40	220.61	217.16	213.70	199.14
50.0	110.03	124.53	139.03	155.09	171.15	181.80	192.44	189.38	186.32	174.02
52.5	95.21	107.88	120.55	134.39	148.23	157.49	166.75	164.17	161.59	151.29
55.0	82.23	93.06	103.87	115.74	127.60	135.70	143.80	141.72	139.65	131.02
57.5	70.59	79.89	89.20	99.26	109.31	116.27	123.22	121.65	120.08	113.02
60.0	60.09	68.07	76.06	84.58	93.10	99.14	105.17	104.04	102.91	97.25
62.5	50.90	57.64	64.38	71.61	78.83	84.13	89.43	88.73	88.03	83.39
65.0	42.53	48.27	54.01	60.15	66.29	70.84	75.40	75.11	74.81	71.06
67.5	35.19	40.03	44.87	49.98	55.09	59.05	63.00	63.05	63.09	60.06
70.0	28.80	32.76	36.72	40.94	45.16	48.57	51.97	52.27	52.56	50.15
72.5	23.34	26.39	29.43	32.88	36.32	39.16	42.00	42.49	42.98	41.12
75.0	18.72	20.79	22.85	25.67	28.48	30.82	33.17	33.66	34.15	32.79
77.5	14.87	16.12	17.36	19.43	21.49	23.30	25.10	25.54	25.98	25.12
80.0	11.83	12.39	12.94	14.18	15.41	16.75	18.08	18.42	18.77	18.27
82.5	10.10	9.95	9.80	10.07	10.33	11.20	12.07	12.27	12.47	12.35
85.0	8.78	8.42	8.04	7.44	6.84	6.90	6.95	7.07	7.19	7.47
87.5	7.52	7.08	6.63	5.94	5.25	4.35	3.45	3.13	2.80	3.48
90.0	6.39	5.91	5.42	4.71	3.99	3.09	2.19	1.40	0.60	1.07
100.0	2.61	2.11	1.60	1.16	0.72	0.70	0.67	0.65	0.63	0.61
110.0	0.44	0.46	0.48	0.48	0.48	0.49	0.48	0.50	0.52	0.49
120.0	0.32	0.37	0.42	0.43	0.43	0.46	0.49	0.49	0.49	0.49
130.0	0.34	0.33	0.32	0.35	0.37	0.37	0.35	0.36	0.36	0.38
140.0	0.33	0.31	0.28	0.31	0.33	0.33	0.33	0.34	0.34	0.35
150.0	0.27	0.26	0.26	0.27	0.28	0.28	0.28	0.27	0.25	0.27
160.0	0.19	0.20	0.22	0.21	0.20	0.20	0.20	0.21	0.21	0.21
170.0	0.10	0.10	0.10	0.10	0.09	0.10	0.10	0.11	0.11	0.11
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0.0	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40	634.40
2.5	624.22	621.12	618.01	615.35	612.68	609.88	607.08	605.88	604.67	601.93
5.0	615.20	608.31	601.41	594.14	586.87	579.08	571.27	565.76	560.23	553.50
7.5	604.04	592.16	580.29	567.91	555.53	542.35	529.16	518.49	507.80	496.92
10.0	589.24	572.63	556.01	538.03	520.05	501.46	482.87	468.04	453.20	438.84
12.5	571.66	550.18	528.68	505.65	482.62	459.61	436.60	417.92	399.24	382.84
15.0	551.15	525.00	498.85	471.50	444.15	417.66	391.16	370.36	349.55	331.85
17.5	528.55	498.71	468.87	437.41	405.95	377.43	348.91	326.79	304.67	286.90
20.0	505.18	471.52	437.86	404.06	370.27	340.09	309.92	287.49	265.06	248.05
22.5	479.66	443.39	407.12	371.46	335.81	305.41	275.01	253.47	231.92	215.88

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CANDELA TABULATION - (Cont.)

25.0	452.17	414.65	377.12	340.61	304.11	274.23	244.34	223.85	203.36	188.62
27.5	423.66	385.15	346.63	310.49	274.34	245.93	217.52	198.54	179.56	165.68
30.0	392.99	354.96	316.93	281.93	246.93	220.75	194.57	176.73	158.89	145.91
32.5	361.52	324.66	287.79	255.07	222.35	198.28	174.20	157.33	140.45	128.61
35.0	329.41	294.42	259.42	229.58	199.74	177.57	155.39	140.08	124.77	114.16
37.5	297.22	265.16	233.09	206.21	179.33	158.93	138.53	124.68	110.82	101.59
40.0	266.53	237.54	208.55	184.46	160.38	142.05	123.72	111.26	98.79	90.81
42.5	236.77	211.57	186.37	164.70	143.03	126.75	110.47	99.55	88.63	81.68
45.0	209.46	187.67	165.88	146.77	127.66	113.17	98.68	89.12	79.56	73.55
47.5	184.58	165.74	146.88	130.20	113.52	100.95	88.37	80.09	71.79	66.65
50.0	161.72	145.72	129.72	115.27	100.83	89.95	79.07	71.93	64.78	60.26
52.5	140.99	127.56	114.11	101.82	89.53	80.14	70.74	64.58	58.42	54.50
55.0	122.39	111.30	100.20	89.70	79.20	71.18	63.16	57.91	52.66	49.25
57.5	105.95	96.81	87.66	78.83	70.00	63.17	56.34	51.89	47.44	44.49
60.0	91.59	84.04	76.48	69.01	61.55	55.80	50.05	46.26	42.46	40.02
62.5	78.75	72.55	66.34	60.18	54.02	49.16	44.29	41.12	37.94	35.84
65.0	67.30	62.21	57.12	52.05	46.98	43.02	39.07	36.50	33.93	32.08
67.5	57.02	52.88	48.74	44.67	40.60	37.43	34.27	32.23	30.19	28.65
70.0	47.74	44.41	41.08	37.97	34.85	32.41	29.97	28.36	26.74	25.41
72.5	39.24	36.69	34.13	31.81	29.47	27.76	26.04	24.73	23.41	22.30
75.0	31.43	29.65	27.86	26.36	24.86	23.58	22.29	21.29	20.27	19.36
77.5	24.26	23.24	22.22	21.43	20.65	19.77	18.90	18.04	17.18	16.47
80.0	17.77	17.52	17.27	16.97	16.67	16.16	15.64	15.02	14.40	13.83
82.5	12.23	12.57	12.91	12.98	13.04	12.78	12.52	12.18	11.83	11.35
85.0	7.74	8.42	9.08	9.38	9.68	9.70	9.71	9.57	9.43	9.03
87.5	4.15	4.96	5.77	6.29	6.80	6.97	7.14	7.17	7.20	6.93
90.0	1.53	2.25	2.97	3.60	4.23	4.56	4.90	5.02	5.13	4.95
100.0	0.59	0.57	0.55	0.52	0.49	0.47	0.44	0.44	0.43	0.40
110.0	0.46	0.49	0.51	0.47	0.42	0.42	0.41	0.40	0.40	0.36
120.0	0.48	0.47	0.46	0.44	0.41	0.42	0.42	0.40	0.38	0.38
130.0	0.39	0.40	0.41	0.41	0.41	0.42	0.43	0.43	0.43	0.41
140.0	0.37	0.37	0.36	0.37	0.36	0.39	0.41	0.41	0.40	0.40
150.0	0.28	0.29	0.30	0.30	0.29	0.30	0.31	0.33	0.34	0.34
160.0	0.21	0.21	0.22	0.22	0.21	0.23	0.24	0.24	0.25	0.25
170.0	0.11	0.11	0.12	0.11	0.11	0.11	0.10	0.11	0.12	0.13
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	634.40	634.40	634.40	634.40	634.40	634.40	634.40
2.5	599.19	597.75	596.31	595.09	593.87	592.53	591.18
5.0	546.75	542.19	537.63	534.73	531.83	529.43	527.02
7.5	486.03	478.52	471.01	465.97	460.91	457.78	454.63
10.0	424.48	414.46	404.43	397.98	391.53	387.84	384.14
12.5	366.44	355.06	343.68	336.37	329.05	325.44	321.82
15.0	314.15	302.31	290.46	282.81	275.16	271.53	267.89
17.5	269.13	257.41	245.69	238.38	231.06	227.64	224.21
20.0	231.04	220.08	209.12	202.34	195.56	192.67	189.77
22.5	199.84	189.64	179.44	173.13	166.81	164.10	161.38
25.0	173.86	164.18	154.50	148.90	143.29	140.93	138.56
27.5	151.80	142.99	134.18	128.92	123.65	121.57	119.48
30.0	132.92	124.89	116.87	112.46	108.05	106.20	104.34
32.5	116.77	109.85	102.92	99.10	95.28	93.79	92.29
35.0	103.54	97.58	91.62	88.29	84.95	83.73	82.51
37.5	92.35	87.14	81.92	79.20	76.48	75.39	74.30

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CANDELA TABULATION - (Cont.)

40.0	82.82	78.45	74.08	71.64	69.19	68.26	67.32
42.5	74.73	70.87	67.00	65.03	63.05	62.18	61.30
45.0	67.53	64.26	60.98	59.27	57.55	56.74	55.93
47.5	61.49	58.54	55.58	53.99	52.39	51.75	51.10
50.0	55.73	53.16	50.60	49.19	47.78	47.21	46.63
52.5	50.57	48.35	46.12	44.89	43.65	43.22	42.78
55.0	45.85	43.92	41.98	40.91	39.83	39.42	39.00
57.5	41.54	39.85	38.15	37.12	36.09	35.69	35.29
60.0	37.57	36.05	34.54	33.67	32.79	32.43	32.07
62.5	33.73	32.46	31.19	30.53	29.86	29.56	29.26
65.0	30.23	29.22	28.20	27.64	27.09	26.89	26.69
67.5	27.11	26.23	25.35	24.91	24.46	24.29	24.11
70.0	24.08	23.36	22.64	22.22	21.79	21.52	21.24
72.5	21.19	20.54	19.88	19.42	18.95	18.67	18.37
75.0	18.45	17.80	17.14	16.74	16.33	16.00	15.67
77.5	15.75	15.17	14.60	14.18	13.75	13.49	13.22
80.0	13.25	12.73	12.21	11.83	11.45	11.29	11.12
82.5	10.87	10.42	9.96	9.67	9.37	9.15	8.92
85.0	8.63	8.26	7.88	7.66	7.44	7.33	7.21
87.5	6.65	6.35	6.03	5.86	5.69	5.61	5.53
90.0	4.76	4.60	4.44	4.30	4.15	4.09	4.03
100.0	0.37	0.37	0.37	0.38	0.40	0.38	0.36
110.0	0.32	0.36	0.40	0.35	0.30	0.31	0.31
120.0	0.38	0.38	0.38	0.39	0.39	0.37	0.34
130.0	0.39	0.40	0.40	0.40	0.41	0.40	0.39
140.0	0.40	0.41	0.41	0.40	0.39	0.39	0.39
150.0	0.34	0.35	0.35	0.34	0.33	0.35	0.37
160.0	0.25	0.24	0.23	0.25	0.27	0.26	0.25
170.0	0.14	0.13	0.13	0.13	0.12	0.13	0.13
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6C-ASY-0-UNVET9-35LG-1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	183.65	N.A.	25.80
0-30	328.27	N.A.	46.10
0-40	458.69	N.A.	64.40
0-60	629.78	N.A.	88.50
0-80	696.77	N.A.	97.90
0-90	706.23	N.A.	99.20
10-90	650.35	N.A.	91.30
20-40	275.04	N.A.	38.60
20-50	376.19	N.A.	52.80
40-70	214.78	N.A.	30.20
60-80	66.99	N.A.	9.40
70-80	23.30	N.A.	3.30
80-90	9.46	N.A.	1.30
90-110	4.28	N.A.	0.60
90-120	4.79	N.A.	0.70
90-130	5.13	N.A.	0.70
90-150	5.62	N.A.	0.80
90-180	5.79	N.A.	0.80
110-180	1.51	N.A.	0.20
0-180	712.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.88
10-20	127.78
20-30	144.62
30-40	130.42
40-50	101.15
50-60	69.94
60-70	43.68
70-80	23.30
80-90	9.46
90-100	3.22
100-110	1.05
110-120	0.51
120-130	0.34
130-140	0.28
140-150	0.20
150-160	0.12
160-170	0.05
170-180	0.01

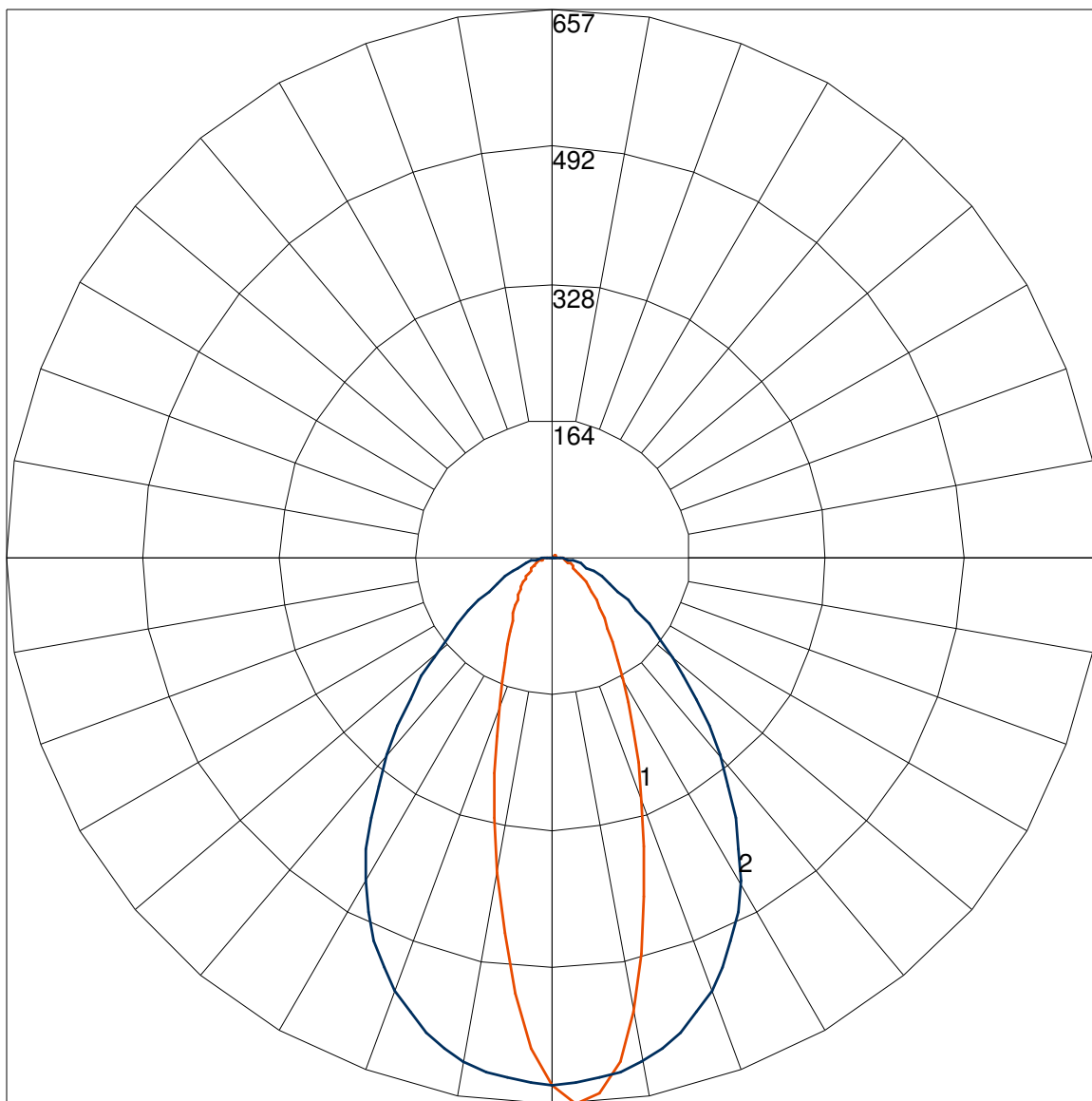
IES INDOOR REPORT
PHOTOMETRIC FILENAME : C6C-ASY-0-UNVET9-35LG-1.IES

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	101	101	101	99
1	111	107	103	100	108	105	101	99	100	98	95	96	94	92	93	91	89	87
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	82	79	77
3	96	87	80	75	93	85	79	74	83	77	73	80	75	72	77	74	70	68
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61
5	83	73	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	67	59	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	36

POLAR GRAPH



Maximum Candela = 656.5 Located At Horizontal Angle = 10, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)