

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C3S-LL-00-3-35-LG.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 3156  
 [ECN] 3166  
 [TESTLAB] Tempo LLC  
 [ISSUE DATE] 6/28/2017 12:47:48 PM  
 [MANUFAC] Tempo LLC  
 [LUMCAT] C3S-LL-00-3-35-LG  
 [LUMINAIRE] Gray PVC housing with lightly frosted lens  
 [LAMP] Twenty-four (24) white LEDs (3500K)  
 [ELECTRICALS] 24.47 VDC, 0.13 A, 1.00 PF

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	343
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	3.24
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.05 ft
Luminous Width (90-270)	1.00 ft
Luminous Height	0.02 ft



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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	29	34	103
65	71	107	382
75	131	252	867
85	496	958	2172

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C3S-LL-00-3-35-LG.IES**

**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>
<b>0.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>10.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>20.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>30.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>40.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>50.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>60.0</b>	0.25	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.27	0.27
<b>70.0</b>	0.29	0.30	0.31	0.33	0.34	0.36	0.38	0.41	0.43	0.45
<b>80.0</b>	0.53	0.54	0.54	0.58	0.62	0.67	0.71	0.78	0.84	0.89
<b>90.0</b>	1.82	1.91	2.01	2.04	2.08	2.15	2.21	2.34	2.47	2.69
<b>92.5</b>	3.26	3.40	3.54	3.61	3.67	3.74	3.81	3.92	4.03	4.27
<b>95.0</b>	5.65	5.77	5.88	5.96	6.05	6.04	6.03	6.06	6.09	6.20
<b>97.5</b>	7.94	7.86	7.78	7.75	7.72	7.60	7.47	7.39	7.30	7.50
<b>100.0</b>	8.27	8.20	8.13	8.04	7.95	7.88	7.80	8.02	8.23	8.93
<b>102.5</b>	7.93	7.96	7.99	8.07	8.15	8.46	8.77	9.52	10.27	11.47
<b>105.0</b>	8.61	8.85	9.08	9.46	9.84	10.65	11.44	12.76	14.06	15.62
<b>107.5</b>	11.68	12.04	12.39	13.16	13.92	15.24	16.55	18.30	20.04	21.51
<b>110.0</b>	18.13	18.60	19.07	20.17	21.27	22.98	24.68	26.28	27.88	28.70
<b>112.5</b>	28.87	29.31	29.74	30.89	32.03	33.33	34.63	35.40	36.16	36.06
<b>115.0</b>	41.98	42.13	42.26	42.94	43.62	44.00	44.37	44.02	43.66	42.78
<b>117.5</b>	53.76	53.53	53.31	53.33	53.36	52.65	51.94	50.79	49.64	48.51
<b>120.0</b>	61.10	60.72	60.34	59.77	59.20	58.12	57.04	55.88	54.71	53.82
<b>122.5</b>	64.06	63.83	63.60	63.11	62.62	61.89	61.16	60.50	59.83	59.20
<b>125.0</b>	66.36	66.40	66.44	66.23	66.02	65.78	65.53	65.33	65.12	64.65
<b>127.5</b>	69.74	69.87	70.01	70.08	70.16	70.29	70.42	70.40	70.39	70.02
<b>130.0</b>	73.96	74.19	74.41	74.62	74.82	75.07	75.31	75.32	75.31	75.07
<b>132.5</b>	78.62	78.82	79.01	79.26	79.50	79.70	79.89	79.96	80.02	79.87
<b>135.0</b>	83.33	83.43	83.53	83.73	83.91	84.08	84.24	84.30	84.35	84.26
<b>137.5</b>	87.89	87.87	87.84	87.96	88.07	88.15	88.22	88.29	88.35	88.26
<b>140.0</b>	91.98	91.91	91.84	91.89	91.94	91.95	91.95	91.97	91.98	91.88
<b>142.5</b>	95.35	95.34	95.33	95.37	95.39	95.37	95.34	95.30	95.26	95.22
<b>145.0</b>	98.30	98.32	98.34	98.39	98.44	98.40	98.35	98.33	98.31	98.35
<b>147.5</b>	101.02	101.06	101.10	101.14	101.17	101.15	101.13	101.17	101.19	101.26
<b>150.0</b>	103.65	103.65	103.64	103.66	103.68	103.70	103.71	103.76	103.81	103.88
<b>152.5</b>	106.10	106.08	106.06	106.04	106.01	106.06	106.10	106.17	106.23	106.31
<b>155.0</b>	108.33	108.27	108.20	108.17	108.13	108.20	108.26	108.37	108.48	108.52
<b>157.5</b>	110.24	110.19	110.13	110.11	110.08	110.17	110.26	110.34	110.42	110.46
<b>160.0</b>	111.92	111.92	111.92	111.88	111.84	111.94	112.04	112.08	112.11	112.16
<b>162.5</b>	113.50	113.49	113.48	113.49	113.50	113.55	113.60	113.63	113.65	113.67
<b>165.0</b>	114.94	114.91	114.89	114.89	114.89	114.89	114.89	114.93	114.98	115.02
<b>167.5</b>	116.14	116.08	116.02	116.02	116.01	116.06	116.10	116.08	116.07	116.15
<b>170.0</b>	117.23	117.13	117.03	117.03	117.02	117.05	117.07	117.07	117.06	117.07
<b>172.5</b>	118.02	117.93	117.84	117.80	117.75	117.80	117.83	117.80	117.76	117.75
<b>175.0</b>	118.56	118.44	118.32	118.28	118.23	118.26	118.29	118.24	118.19	118.18
<b>177.5</b>	118.85	118.72	118.59	118.56	118.54	118.56	118.59	118.55	118.50	118.49
<b>180.0</b>	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00

**Vert. 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>
<b>0.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>10.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>20.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>30.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C3S-LL-00-3-35-LG.IES**

**CANDELA TABULATION - (Cont.)**

40.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.0	0.26	0.26	0.25	0.30	0.33	0.42	0.49	0.54	0.59
70.0	0.46	0.44	0.41	0.39	0.36	0.51	0.65	0.85	1.04
80.0	0.93	0.93	0.91	0.83	0.73	0.73	0.73	1.02	1.30
90.0	2.91	3.16	3.41	3.27	3.12	2.34	1.55	1.26	0.97
92.5	4.50	4.76	5.00	4.88	4.75	3.86	2.97	2.41	1.84
95.0	6.31	6.55	6.78	6.81	6.84	6.03	5.21	4.55	3.89
97.5	7.69	8.25	8.80	9.13	9.45	8.73	8.00	7.35	6.70
100.0	9.61	10.60	11.59	12.13	12.66	11.94	11.22	10.59	9.96
102.5	12.68	14.05	15.41	15.94	16.45	15.70	14.94	14.32	13.70
105.0	17.18	18.62	20.06	20.41	20.76	19.95	19.13	18.52	17.90
107.5	22.97	24.09	25.19	25.23	25.26	24.34	23.43	22.88	22.33
110.0	29.51	29.91	30.31	30.01	29.71	28.83	27.94	27.48	27.01
112.5	35.97	35.55	35.12	34.62	34.11	33.31	32.51	32.13	31.74
115.0	41.90	40.98	40.05	39.37	38.67	37.88	37.09	36.78	36.46
117.5	47.38	46.33	45.28	44.40	43.51	42.76	41.99	41.67	41.35
120.0	52.92	51.93	50.93	49.86	48.78	47.97	47.15	46.85	46.55
122.5	58.57	57.70	56.83	55.68	54.52	53.61	52.69	52.39	52.09
125.0	64.18	63.47	62.75	61.66	60.55	59.68	58.80	58.48	58.16
127.5	69.64	69.09	68.53	67.60	66.66	65.92	65.17	64.86	64.55
130.0	74.82	74.39	73.95	73.24	72.53	72.00	71.47	71.26	71.04
132.5	79.70	79.31	78.92	78.44	77.95	77.60	77.25	77.09	76.94
135.0	84.16	83.84	83.52	83.22	82.91	82.68	82.44	82.32	82.20
137.5	88.16	88.00	87.84	87.64	87.44	87.24	87.04	86.95	86.85
140.0	91.78	91.78	91.76	91.69	91.61	91.46	91.29	91.25	91.20
142.5	95.16	95.24	95.32	95.36	95.41	95.30	95.20	95.20	95.20
145.0	98.39	98.48	98.56	98.58	98.60	98.65	98.69	98.73	98.77
147.5	101.32	101.40	101.48	101.49	101.49	101.59	101.68	101.76	101.84
150.0	103.94	104.01	104.07	104.11	104.14	104.24	104.33	104.40	104.46
152.5	106.38	106.39	106.40	106.41	106.42	106.53	106.64	106.73	106.82
155.0	108.56	108.55	108.54	108.55	108.56	108.63	108.69	108.74	108.78
157.5	110.49	110.52	110.54	110.53	110.53	110.51	110.49	110.51	110.53
160.0	112.20	112.25	112.29	112.30	112.32	112.28	112.24	112.21	112.18
162.5	113.70	113.74	113.77	113.78	113.78	113.73	113.68	113.68	113.67
165.0	115.06	115.06	115.05	115.06	115.08	115.00	114.91	114.89	114.86
167.5	116.23	116.21	116.18	116.16	116.14	116.04	115.93	115.93	115.93
170.0	117.07	117.08	117.07	117.03	116.98	116.90	116.82	116.84	116.86
172.5	117.73	117.72	117.70	117.64	117.58	117.52	117.45	117.47	117.49
175.0	118.16	118.15	118.14	118.10	118.06	118.03	117.99	118.03	118.07
177.5	118.47	118.46	118.43	118.42	118.41	118.37	118.32	118.35	118.37
180.0	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00	118.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C3S-LL-00-3-35-LG.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.14	N.A.	0.00
0-80	1.16	N.A.	0.30
0-90	2.87	N.A.	0.80
10-90	2.87	N.A.	0.80
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.52	N.A.	0.20
60-80	1.02	N.A.	0.30
70-80	0.64	N.A.	0.20
80-90	1.70	N.A.	0.50
90-110	23.36	N.A.	6.80
90-120	63.56	N.A.	18.50
90-130	120.52	N.A.	35.10
90-150	246.39	N.A.	71.80
90-180	340.11	N.A.	99.20
110-180	316.75	N.A.	92.40
0-180	342.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.14
60-70	0.38
70-80	0.64
80-90	1.70
90-100	6.48
100-110	16.88
110-120	40.20
120-130	56.97
130-140	64.30
140-150	61.56
150-160	50.01
160-170	32.47
170-180	11.24

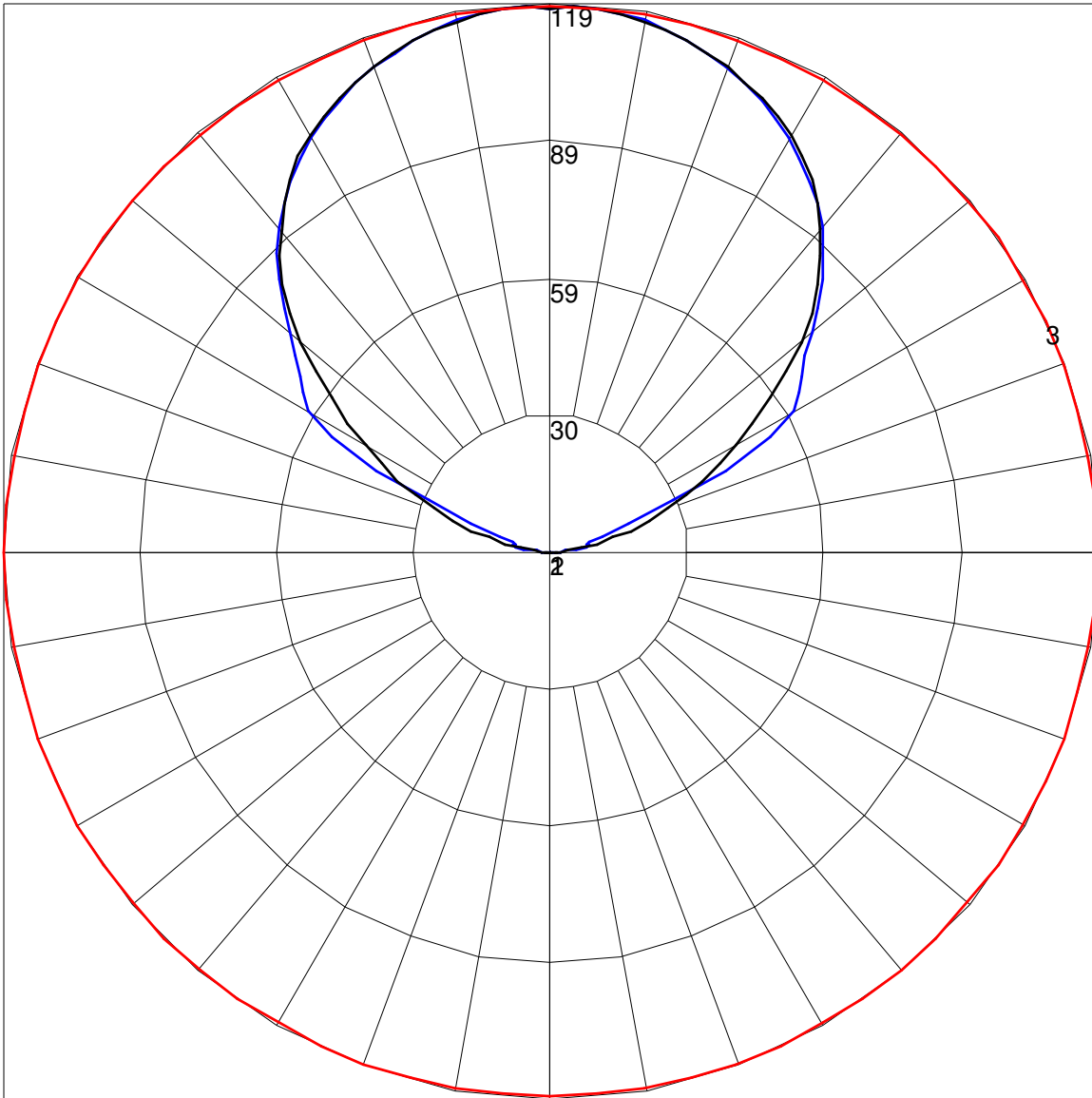
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : C3S-LL-00-3-35-LG.IES**

**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	
0	95	95	95	95	82	82	82	82	56	56	56	33	33	33	11	11	11	1
1	87	82	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	61	67	62	57	53	42	40	37	25	23	22	8	8	7	0
3	72	63	56	51	61	54	49	44	37	34	31	22	20	18	7	7	6	0
4	65	55	48	43	56	48	42	37	33	29	26	19	17	15	6	6	5	0
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	16	14	11	10	4	4	3	0
8	46	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 118.85 Located At Horizontal Angle = 0, Vertical Angle = 177.5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

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

# 3 - Horizontal Cone Through Vertical Angle (177.5) (Through Max. Cd.)