



1961 McGaw Ave, Irvine, CA 92614
phone: 949.442.1601
email: info@tempolc.com

IES INDOOR REPORT PHOTOMETRIC FILENAME : C3DX-FL-0-6-RGBW30-LG-1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4271
[_ECN] 4072
[TESTLAB] Tempo LLC
[ISSUEDATE] 8/10/2020 10:44:18 AM
[MANUFAC] Tempo LLC
[LUMCAT] C3Dx-FL-0-6-RGBW30-LG-1
[LUMINAIRE] Gray PVC housing with frosted lens
[LAMP] Twenty-Four (24) LEDs (Red, Green, Blue, 3000K)
[_ELECTRICALS] 24.01 VDC, 0.26 A, 1.00 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	297
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	6.08
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.06 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	12649	12823	14867
55	11329	11374	13586
65	10070	9940	12056
75	8993	8514	9687
85	8351	7413	5474

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3DX-FL-0-6-RGBW30-LG-1.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>
0.0	95.72	95.72	95.72	95.72	95.72	95.72	95.72	95.72	95.72	95.72
2.5	96.33	96.06	95.80	95.78	95.75	95.70	95.64	95.63	95.62	95.55
5.0	95.99	95.74	95.48	95.46	95.43	95.39	95.35	95.30	95.25	95.18
7.5	95.43	95.18	94.94	94.92	94.90	94.84	94.78	94.73	94.67	94.59
10.0	94.72	94.48	94.24	94.19	94.13	94.08	94.02	93.96	93.88	93.76
12.5	93.74	93.53	93.31	93.24	93.17	93.09	93.01	92.92	92.83	92.69
15.0	92.58	92.33	92.08	92.04	92.01	91.87	91.73	91.65	91.57	91.39
17.5	91.19	90.96	90.73	90.68	90.61	90.48	90.34	90.21	90.07	89.88
20.0	89.65	89.40	89.14	89.06	88.98	88.82	88.66	88.50	88.34	88.13
22.5	87.88	87.62	87.35	87.27	87.18	87.00	86.82	86.64	86.44	86.17
25.0	85.89	85.63	85.38	85.28	85.17	84.96	84.74	84.52	84.30	84.00
27.5	83.77	83.52	83.26	83.12	82.98	82.74	82.50	82.23	81.96	81.63
30.0	81.39	81.14	80.89	80.76	80.63	80.36	80.07	79.79	79.50	79.09
32.5	78.93	78.67	78.40	78.27	78.12	77.81	77.49	77.14	76.79	76.38
35.0	76.32	76.06	75.80	75.62	75.44	75.12	74.79	74.41	74.03	73.56
37.5	73.54	73.30	73.05	72.86	72.67	72.32	71.96	71.53	71.10	70.58
40.0	70.64	70.41	70.17	69.98	69.77	69.39	69.00	68.55	68.09	67.52
42.5	67.77	67.51	67.23	66.99	66.75	66.38	66.01	65.50	64.98	64.40
45.0	64.71	64.47	64.22	63.97	63.73	63.30	62.86	62.33	61.78	61.17
47.5	61.64	61.40	61.14	60.88	60.60	60.17	59.73	59.14	58.54	57.91
50.0	58.57	58.32	58.07	57.78	57.49	57.01	56.53	55.93	55.32	54.63
52.5	55.51	55.25	54.99	54.67	54.34	53.85	53.36	52.72	52.08	51.34
55.0	52.39	52.14	51.88	51.57	51.25	50.73	50.21	49.53	48.84	48.05
57.5	49.32	49.05	48.78	48.47	48.14	47.60	47.05	46.35	45.65	44.79
60.0	46.26	46.01	45.75	45.42	45.08	44.52	43.95	43.19	42.42	41.56
62.5	43.24	43.00	42.76	42.41	42.05	41.47	40.87	40.11	39.33	38.42
65.0	40.21	40.02	39.83	39.47	39.09	38.49	37.87	37.06	36.25	35.29
67.5	37.28	37.07	36.85	36.49	36.13	35.52	34.91	34.09	33.26	32.26
70.0	34.49	34.27	34.04	33.67	33.29	32.66	32.03	31.18	30.33	29.29
72.5	31.80	31.57	31.33	30.96	30.58	29.92	29.25	28.34	27.42	26.36
75.0	29.14	28.93	28.72	28.33	27.94	27.26	26.58	25.65	24.71	23.57
77.5	26.68	26.45	26.22	25.83	25.42	24.74	24.04	23.06	22.08	20.90
80.0	24.31	24.10	23.89	23.47	23.05	22.36	21.66	20.67	19.68	18.46
82.5	22.06	21.87	21.68	21.26	20.83	20.12	19.42	18.42	17.41	16.17
85.0	19.95	19.77	19.59	19.18	18.76	18.05	17.34	16.34	15.35	14.10
87.5	18.04	17.84	17.65	17.24	16.83	16.13	15.43	14.42	13.42	12.20
90.0	14.60	14.45	14.29	13.95	13.59	12.96	12.33	11.45	10.57	9.51
100.0	8.48	8.38	8.28	8.00	7.72	7.28	6.84	6.24	5.64	4.97
110.0	4.97	4.90	4.83	4.64	4.45	4.12	3.79	3.33	2.87	2.51
120.0	2.46	2.43	2.41	2.33	2.24	2.09	1.93	1.75	1.57	1.42
130.0	1.45	1.43	1.41	1.32	1.24	1.15	1.07	0.98	0.89	0.77
140.0	0.70	0.68	0.65	0.61	0.56	0.50	0.44	0.38	0.32	0.28
150.0	0.14	0.13	0.12	0.12	0.11	0.10	0.09	0.09	0.09	0.10
160.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
170.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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>
0.0	95.72	95.72	95.72	95.72	95.72	95.72	95.72	95.72	95.72
2.5	95.49	95.47	95.44	95.40	95.36	95.35	95.33	95.36	95.39
5.0	95.10	95.10	95.10	95.03	94.95	94.94	94.92	94.93	94.94
7.5	94.51	94.47	94.43	94.35	94.27	94.27	94.27	94.24	94.20

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3DX-FL-0-6-RGBW30-LG-1.IES

CANDELA TABULATION - (Cont.)

10.0	93.63	93.60	93.56	93.48	93.39	93.35	93.30	93.32	93.33
12.5	92.55	92.48	92.40	92.30	92.19	92.15	92.09	92.07	92.05
15.0	91.21	91.13	91.05	90.91	90.77	90.71	90.64	90.61	90.57
17.5	89.68	89.54	89.39	89.24	89.09	88.99	88.88	88.84	88.80
20.0	87.91	87.71	87.50	87.33	87.15	87.03	86.91	86.89	86.86
22.5	85.89	85.67	85.45	85.21	84.97	84.84	84.71	84.67	84.62
25.0	83.70	83.43	83.15	82.89	82.62	82.45	82.27	82.21	82.14
27.5	81.30	80.98	80.67	80.37	80.08	79.86	79.64	79.58	79.52
30.0	78.66	78.32	77.97	77.63	77.28	77.05	76.82	76.75	76.67
32.5	75.96	75.56	75.15	74.76	74.37	74.11	73.84	73.74	73.64
35.0	73.09	72.64	72.19	71.78	71.35	71.06	70.75	70.62	70.49
37.5	70.05	69.57	69.08	68.64	68.18	67.83	67.48	67.34	67.21
40.0	66.94	66.42	65.89	65.40	64.90	64.53	64.16	64.00	63.84
42.5	63.81	63.23	62.64	62.10	61.55	61.14	60.72	60.55	60.38
45.0	60.56	59.94	59.30	58.72	58.13	57.68	57.22	57.05	56.88
47.5	57.27	56.58	55.88	55.25	54.63	54.16	53.69	53.51	53.32
50.0	53.93	53.21	52.49	51.81	51.12	50.63	50.13	49.94	49.74
52.5	50.59	49.84	49.08	48.35	47.61	47.09	46.56	46.34	46.12
55.0	47.26	46.44	45.63	44.89	44.15	43.58	42.99	42.76	42.53
57.5	43.92	43.09	42.25	41.47	40.67	40.07	39.47	39.21	38.95
60.0	40.69	39.79	38.88	38.06	37.23	36.59	35.93	35.64	35.34
62.5	37.50	36.54	35.58	34.69	33.79	33.09	32.38	32.08	31.78
65.0	34.33	33.33	32.32	31.36	30.39	29.64	28.88	28.55	28.21
67.5	31.25	30.17	29.09	28.05	27.00	26.20	25.39	25.03	24.66
70.0	28.24	27.10	25.95	24.83	23.70	22.83	21.96	21.54	21.13
72.5	25.30	24.11	22.92	21.71	20.49	19.53	18.56	18.13	17.69
75.0	22.43	21.19	19.94	18.68	17.41	16.36	15.30	14.81	14.32
77.5	19.72	18.42	17.11	15.79	14.47	13.32	12.17	11.63	11.10
80.0	17.23	15.82	14.41	13.06	11.70	10.47	9.23	8.65	8.06
82.5	14.91	13.48	12.05	10.60	9.14	7.88	6.62	6.00	5.38
85.0	12.84	11.40	9.95	8.49	7.02	5.72	4.43	3.78	3.13
87.5	10.97	9.56	8.16	6.74	5.32	4.09	2.86	2.22	1.58
90.0	8.44	7.25	6.04	4.88	3.70	2.75	1.80	1.36	0.91
100.0	4.29	3.59	2.88	2.23	1.58	1.24	0.89	0.81	0.73
110.0	2.14	1.81	1.48	1.21	0.94	0.76	0.58	0.61	0.63
120.0	1.27	1.08	0.89	0.70	0.51	0.49	0.46	0.48	0.50
130.0	0.65	0.53	0.41	0.37	0.34	0.35	0.36	0.34	0.31
140.0	0.23	0.22	0.20	0.22	0.23	0.24	0.24	0.24	0.24
150.0	0.11	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14
160.0	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
170.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3DX-FL-0-6-RGBW30-LG-1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	34.82	N.A.	11.70
0-30	73.48	N.A.	24.70
0-40	119.40	N.A.	40.20
0-60	209.18	N.A.	70.40
0-80	267.80	N.A.	90.20
0-90	282.06	N.A.	95.00
10-90	273.02	N.A.	91.90
20-40	84.58	N.A.	28.50
20-50	131.62	N.A.	44.30
40-70	124.27	N.A.	41.80
60-80	58.63	N.A.	19.70
70-80	24.13	N.A.	8.10
80-90	14.26	N.A.	4.80
90-110	11.27	N.A.	3.80
90-120	13.29	N.A.	4.50
90-130	14.28	N.A.	4.80
90-150	14.89	N.A.	5.00
90-180	14.94	N.A.	5.00
110-180	3.68	N.A.	1.20
0-180	297.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	9.04
10-20	25.78
20-30	38.66
30-40	45.92
40-50	47.04
50-60	42.73
60-70	34.49
70-80	24.13
80-90	14.26
90-100	7.35
100-110	3.92
110-120	2.02
120-130	1.00
130-140	0.46
140-150	0.15
150-160	0.04
160-170	0.01
170-180	0.00

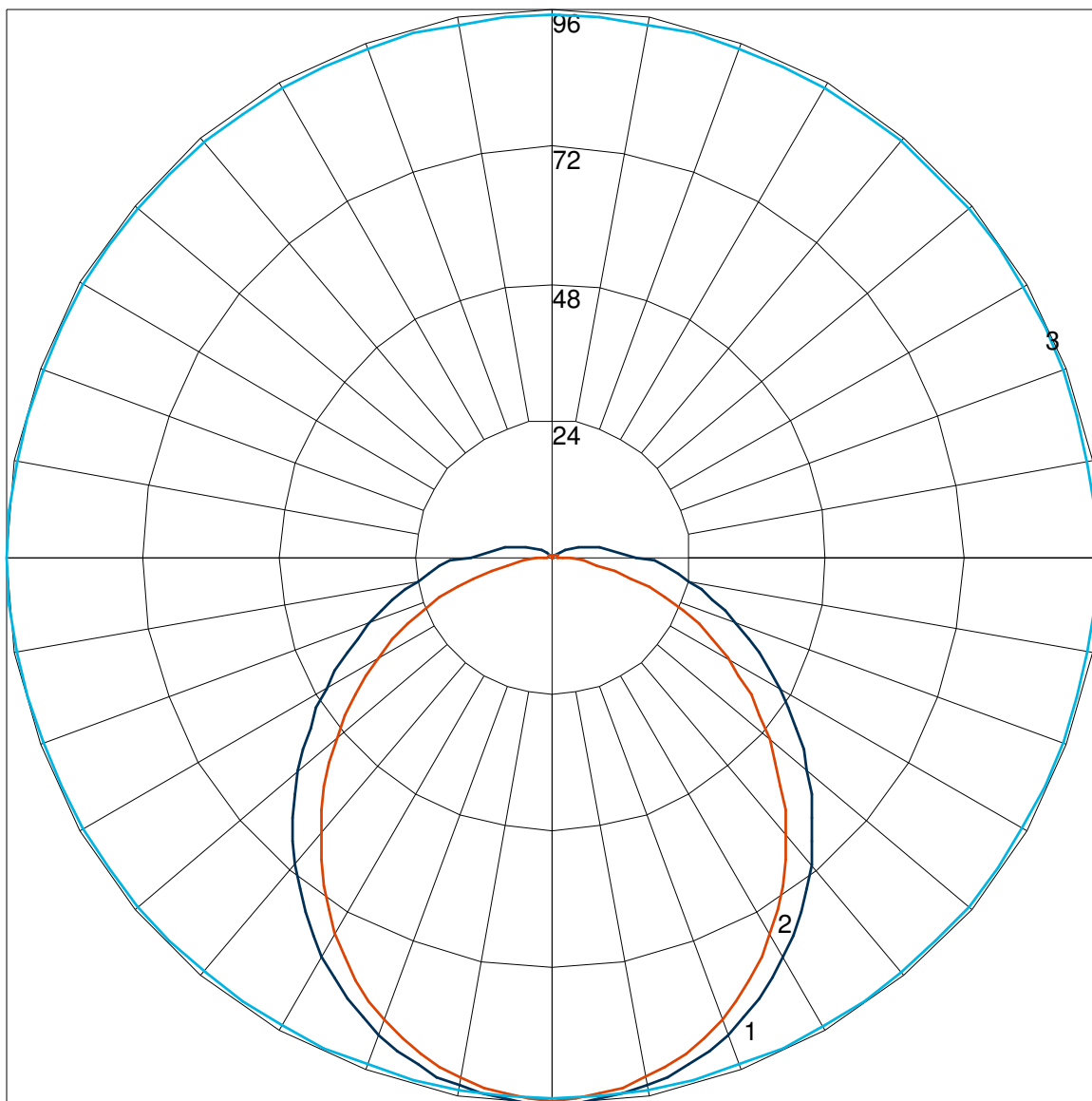
IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3DX-FL-0-6-RGBW30-LG-1.IES

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	106	101	96	92	103	98	94	90	93	89	86	88	85	82	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	76	72	68	73	69	66	63
3	88	76	68	61	85	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	59	52	77	66	57	51	63	55	50	60	54	48	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	39	66	53	44	38	51	43	38	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	42	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

POLAR GRAPH



Maximum Candela = 96.33 Located At Horizontal Angle = 0, Vertical Angle = 2.5
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 (2.5) (Through Max. Cd.)