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IES INDOOR REPORT
PHOTOMETRIC FILENAME : C3DX-FL-0-6-RGB-LG-1 - GREEN ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4191
[_ECN] 4072
[TESTLAB] Tempo LLC
[ISSUEDATE] 4/16/2020 3:10:09 PM
[MANUFAC] Tempo LLC
[LUMCAT] C3Dx-FL-0-6-RGB-LG-1 - GREEN ONLY
[LUMINAIRE] Gray PVC housing with frosted lens
[LAMP] Six (6) Green LEDs
[_ELECTRICALS] 24.01 VDC, 0.08 A, 1.00 PF

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	122
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	1.98
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	5241	5325	6187
55	4662	4706	5648
65	4132	4081	4970
75	3660	3450	3930
85	3366	2902	1959

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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	39.90	39.90	39.90	39.90	39.90	39.90	39.90	39.90	39.90	39.90
2.5	40.14	40.11	40.08	40.06	40.03	39.99	39.94	39.90	39.86	39.82
5.0	40.00	39.97	39.93	39.91	39.88	39.85	39.81	39.78	39.74	39.69
7.5	39.79	39.77	39.74	39.71	39.67	39.62	39.57	39.52	39.47	39.43
10.0	39.50	39.46	39.40	39.39	39.37	39.31	39.25	39.21	39.16	39.09
12.5	39.10	39.04	38.98	38.96	38.93	38.88	38.82	38.78	38.73	38.64
15.0	38.58	38.53	38.49	38.46	38.43	38.38	38.31	38.24	38.16	38.09
17.5	38.05	37.99	37.93	37.88	37.82	37.77	37.71	37.63	37.55	37.45
20.0	37.35	37.30	37.25	37.21	37.16	37.08	37.00	36.91	36.82	36.73
22.5	36.60	36.55	36.51	36.44	36.37	36.30	36.22	36.11	36.00	35.89
25.0	35.75	35.71	35.66	35.59	35.51	35.44	35.36	35.23	35.10	34.97
27.5	34.88	34.82	34.77	34.69	34.61	34.50	34.39	34.28	34.17	34.00
30.0	33.90	33.85	33.78	33.69	33.60	33.49	33.38	33.24	33.09	32.92
32.5	32.84	32.79	32.73	32.64	32.53	32.41	32.28	32.13	31.98	31.80
35.0	31.75	31.69	31.63	31.53	31.42	31.28	31.13	30.97	30.80	30.61
37.5	30.53	30.49	30.44	30.34	30.23	30.07	29.90	29.73	29.56	29.36
40.0	29.35	29.28	29.22	29.11	29.00	28.84	28.67	28.49	28.30	28.07
42.5	28.08	28.03	27.97	27.86	27.74	27.57	27.40	27.20	26.99	26.74
45.0	26.81	26.76	26.70	26.57	26.44	26.26	26.08	25.86	25.65	25.40
47.5	25.50	25.44	25.38	25.25	25.13	24.95	24.76	24.53	24.28	24.02
50.0	24.20	24.14	24.07	23.94	23.80	23.61	23.40	23.17	22.93	22.63
52.5	22.86	22.81	22.76	22.62	22.47	22.26	22.05	21.80	21.54	21.25
55.0	21.56	21.51	21.44	21.31	21.17	20.94	20.71	20.45	20.18	19.88
57.5	20.26	20.20	20.14	20.00	19.85	19.62	19.38	19.10	18.82	18.51
60.0	18.97	18.91	18.85	18.70	18.55	18.32	18.08	17.79	17.49	17.15
62.5	17.76	17.68	17.60	17.44	17.27	17.04	16.80	16.49	16.18	15.81
65.0	16.50	16.45	16.39	16.22	16.04	15.78	15.52	15.20	14.89	14.49
67.5	15.28	15.21	15.14	14.98	14.82	14.56	14.29	13.96	13.62	13.22
70.0	14.10	14.02	13.95	13.79	13.62	13.35	13.08	12.73	12.38	11.95
72.5	12.92	12.87	12.81	12.66	12.49	12.20	11.90	11.54	11.17	10.73
75.0	11.86	11.79	11.73	11.57	11.40	11.10	10.80	10.41	10.02	9.55
77.5	10.82	10.76	10.69	10.52	10.35	10.04	9.74	9.34	8.94	8.44
80.0	9.83	9.77	9.71	9.52	9.34	9.04	8.74	8.33	7.92	7.40
82.5	8.90	8.84	8.77	8.59	8.40	8.10	7.79	7.38	6.96	6.42
85.0	8.04	7.97	7.90	7.71	7.51	7.22	6.92	6.50	6.07	5.52
87.5	7.24	7.17	7.09	6.90	6.71	6.40	6.08	5.68	5.28	4.74
90.0	5.85	5.79	5.73	5.55	5.37	5.10	4.84	4.47	4.10	3.64
100.0	3.36	3.31	3.26	3.13	3.00	2.81	2.62	2.37	2.12	1.84
110.0	1.99	1.95	1.91	1.82	1.73	1.59	1.44	1.27	1.09	0.91
120.0	0.95	0.95	0.94	0.92	0.89	0.85	0.80	0.70	0.60	0.53
130.0	0.61	0.60	0.60	0.56	0.52	0.48	0.43	0.39	0.34	0.29
140.0	0.33	0.32	0.30	0.28	0.26	0.23	0.20	0.17	0.14	0.11
150.0	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06
160.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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	39.90	39.90	39.90	39.90	39.90	39.90	39.90	39.90	39.90
2.5	39.78	39.75	39.71	39.68	39.64	39.65	39.66	39.66	39.67
5.0	39.64	39.60	39.56	39.52	39.48	39.48	39.48	39.48	39.47
7.5	39.38	39.33	39.28	39.25	39.22	39.21	39.19	39.20	39.21

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10.0	39.01	38.96	38.91	38.88	38.85	38.83	38.80	38.83	38.85
12.5	38.55	38.50	38.44	38.40	38.35	38.32	38.29	38.30	38.30
15.0	38.01	37.95	37.87	37.82	37.76	37.74	37.70	37.69	37.68
17.5	37.34	37.27	37.21	37.13	37.05	37.01	36.96	36.97	36.97
20.0	36.63	36.52	36.40	36.32	36.24	36.21	36.17	36.15	36.12
22.5	35.77	35.66	35.55	35.47	35.38	35.31	35.24	35.21	35.18
25.0	34.83	34.72	34.59	34.48	34.36	34.30	34.22	34.21	34.19
27.5	33.83	33.69	33.54	33.44	33.32	33.24	33.15	33.12	33.09
30.0	32.74	32.59	32.44	32.32	32.20	32.08	31.95	31.93	31.91
32.5	31.62	31.44	31.26	31.13	30.99	30.87	30.75	30.69	30.62
35.0	30.42	30.22	30.02	29.86	29.70	29.58	29.46	29.43	29.39
37.5	29.14	28.94	28.73	28.55	28.38	28.25	28.12	28.05	27.98
40.0	27.83	27.63	27.42	27.21	27.00	26.86	26.71	26.66	26.61
42.5	26.49	26.26	26.03	25.82	25.60	25.44	25.29	25.22	25.15
45.0	25.16	24.90	24.64	24.40	24.15	23.98	23.81	23.74	23.67
47.5	23.75	23.49	23.22	22.95	22.68	22.52	22.35	22.28	22.20
50.0	22.34	22.07	21.80	21.54	21.26	21.05	20.83	20.75	20.67
52.5	20.94	20.64	20.34	20.05	19.76	19.54	19.33	19.26	19.18
55.0	19.57	19.25	18.93	18.63	18.33	18.10	17.86	17.77	17.68
57.5	18.19	17.85	17.50	17.18	16.86	16.61	16.37	16.27	16.17
60.0	16.80	16.46	16.11	15.75	15.38	15.14	14.89	14.78	14.67
62.5	15.43	15.07	14.70	14.32	13.94	13.67	13.39	13.28	13.17
65.0	14.09	13.70	13.29	12.90	12.50	12.20	11.90	11.77	11.63
67.5	12.81	12.38	11.95	11.52	11.09	10.76	10.43	10.28	10.12
70.0	11.52	11.08	10.63	10.15	9.66	9.32	8.98	8.81	8.64
72.5	10.29	9.80	9.31	8.81	8.31	7.94	7.57	7.40	7.22
75.0	9.07	8.56	8.05	7.53	7.01	6.59	6.17	5.99	5.81
77.5	7.93	7.38	6.82	6.29	5.75	5.30	4.84	4.65	4.45
80.0	6.87	6.30	5.72	5.15	4.58	4.10	3.63	3.41	3.19
82.5	5.88	5.30	4.72	4.11	3.50	3.02	2.52	2.29	2.05
85.0	4.97	4.39	3.81	3.21	2.61	2.11	1.59	1.36	1.12
87.5	4.21	3.63	3.06	2.48	1.90	1.41	0.92	0.69	0.45
90.0	3.18	2.70	2.20	1.74	1.27	0.90	0.52	0.37	0.21
100.0	1.57	1.30	1.02	0.76	0.50	0.37	0.24	0.21	0.18
110.0	0.73	0.62	0.52	0.40	0.27	0.21	0.14	0.14	0.14
120.0	0.47	0.39	0.31	0.23	0.15	0.14	0.12	0.12	0.12
130.0	0.24	0.18	0.12	0.11	0.10	0.10	0.10	0.10	0.10
140.0	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08
150.0	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
160.0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	14.52	N.A.	11.90
0-30	30.62	N.A.	25.00
0-40	49.74	N.A.	40.70
0-60	86.95	N.A.	71.10
0-80	110.92	N.A.	90.70
0-90	116.55	N.A.	95.30
10-90	112.78	N.A.	92.30
20-40	35.22	N.A.	28.80
20-50	54.76	N.A.	44.80
40-70	51.40	N.A.	42.00
60-80	23.97	N.A.	19.60
70-80	9.79	N.A.	8.00
80-90	5.62	N.A.	4.60
90-110	4.28	N.A.	3.50
90-120	5.04	N.A.	4.10
90-130	5.42	N.A.	4.40
90-150	5.67	N.A.	4.60
90-180	5.70	N.A.	4.70
110-180	1.42	N.A.	1.20
0-180	122.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3.77
10-20	10.74
20-30	16.10
30-40	19.12
40-50	19.54
50-60	17.68
60-70	14.18
70-80	9.79
80-90	5.62
90-100	2.81
100-110	1.47
110-120	0.76
120-130	0.38
130-140	0.18
140-150	0.07
150-160	0.02
160-170	0.01
170-180	0.00

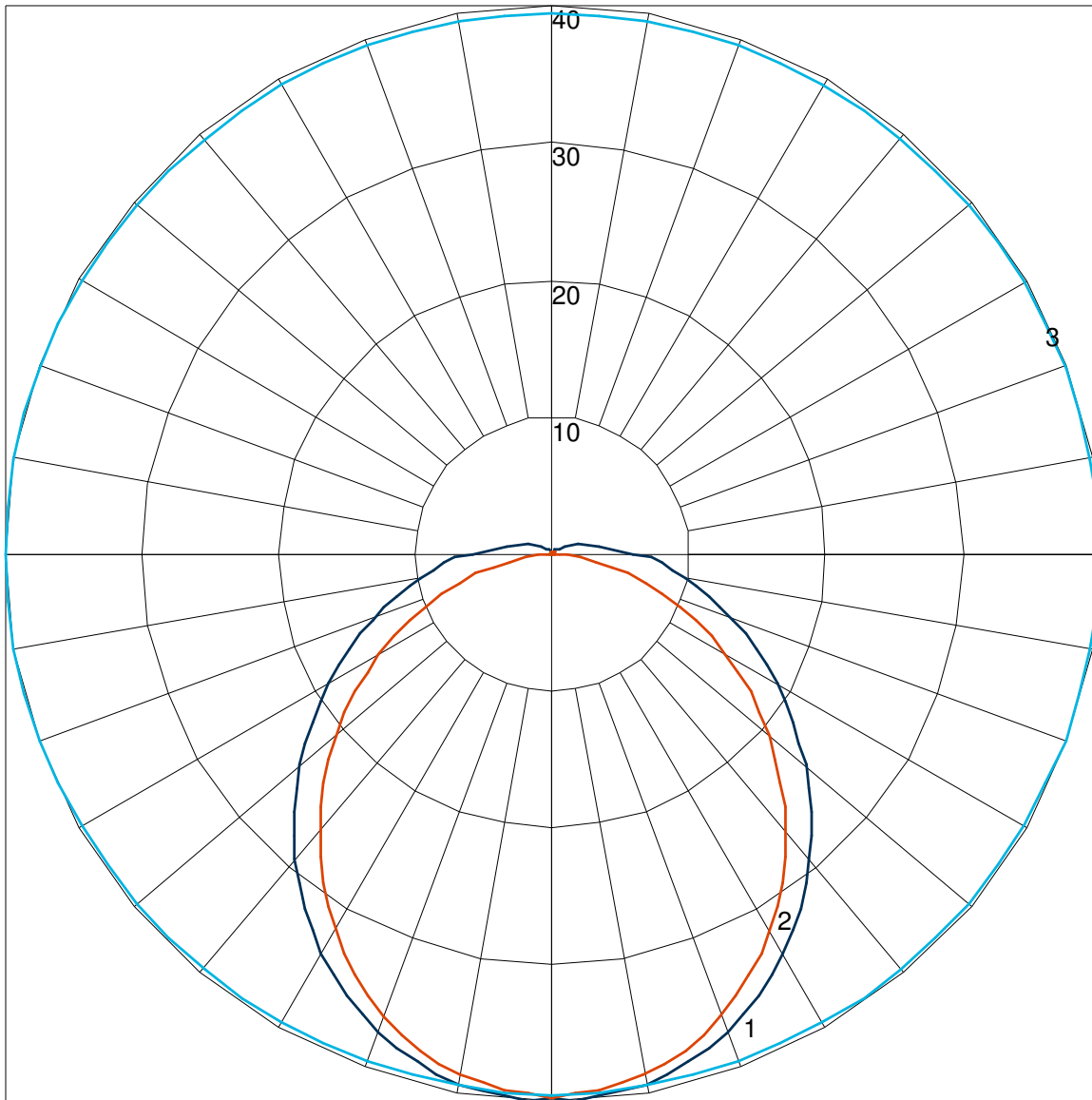
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	109	109	103	103	103	98	98	98	96
1	107	101	97	92	103	99	94	90	93	90	87	89	86	83	84	82	80	77
2	97	88	81	74	93	85	79	73	81	76	71	77	72	68	73	70	66	64
3	88	77	68	62	85	75	67	61	71	64	59	68	62	57	65	60	56	53
4	80	68	59	52	78	66	58	51	63	56	50	60	54	49	58	52	48	45
5	74	61	51	45	71	59	51	44	57	49	43	54	48	42	52	46	42	39
6	68	55	46	39	66	53	45	39	51	44	38	49	42	37	47	41	36	34
7	63	50	41	34	61	48	40	34	47	39	34	45	38	33	43	37	32	30
8	59	45	37	31	57	44	36	30	43	35	30	41	34	29	39	33	29	27
9	55	41	33	28	53	41	33	27	39	32	27	38	31	27	36	31	26	24
10	52	38	30	25	50	38	30	25	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 40.14 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.)