

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : ERCTB 2X4 3L T8.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT  
[ISSUE DATE] 05-14-2007  
[MANUFAC] VISIONEERING CORP.  
[MORE] TORONTO, ONTARIO  
[LUMCAT] ERCTB 2x4 3L-T832NUNV-B01 P13  
[LUMINAIRE] VISIONEERING 2x4 RECESSED STATIC T-BAR LUMINAIRE  
[MORE] WITH PRISMATIC P#12 ACRYLIC LENS  
[LAMP] THREE FO32/841/XP/ECO 32W T8 FLUORESCENT LAMPS. LUMEN RATING = 2950 LMS.  
[BALLAST] ONE ADVANCE 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST  
[BALLASTCAT] ICN-2P32-SC

**CHARACTERISTICS**

Total Rated Lamp Lumens	8850 (3 lamps)
Total Luminaire Efficiency	70.7 %
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	110
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.28
Spacing Criteria (90-270)	1.34
Spacing Criteria (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.82 ft
Luminous Width (90-270)	1.81 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3320	3398	3453
55	2226	2230	2236
65	1485	1489	1458
75	1341	1308	1326
85	787	746	720

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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</b>	2838.42	2838.42	2838.42	2838.42	2838.42
<b>5</b>	2727.46	2748.41	2730.43	2726.25	2752.17
<b>10</b>	2670.35	2621.94	2632.94	2648.31	2615.56
<b>15</b>	2593.13	2607.31	2608.95	2612.97	2607.34
<b>20</b>	2560.74	2565.64	2611.31	2627.33	2673.8
<b>25</b>	2529.51	2556.69	2610.47	2647.63	2648.93
<b>30</b>	2447.22	2469.85	2525.56	2544.00	2589.47
<b>35</b>	2235.47	2258.84	2307.04	2350.34	2377.31
<b>40</b>	1887.84	1890.17	1960.73	1977.07	1977.8
<b>45</b>	1510.11	1514.57	1545.81	1561.47	1570.49
<b>50</b>	1150.84	1152.04	1161.8	1165.77	1164.03
<b>55</b>	821.32	831.30	822.96	823.39	824.93
<b>60</b>	571.44	560.99	555.38	561.60	563.27
<b>65</b>	403.84	404.23	404.69	399.14	396.44
<b>70</b>	294.02	297.04	294.12	297.08	298.64
<b>75</b>	223.30	221.36	217.81	221.76	220.73
<b>80</b>	128.34	131.19	129.17	126.95	128.39
<b>85</b>	44.12	43.44	41.83	41.42	40.34
<b>90</b>	10.28	14.35	12.44	10.36	9.75

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	2192.93	24.8	35.1
0-40	3611.11	40.8	57.7
0-60	5553.11	62.7	88.8
0-90	6254.05	70.7	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	6254.05	70.7	100

Total Luminaire Efficiency = 70.7%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	258.84
10-20	740.67
20-30	1193.42
30-40	1418.18
40-50	1190.02
50-60	751.98
60-70	410.99
70-80	228.66
80-90	61.3
90-100	0
100-110	0
110-120	0
120-130	0
130-140	0
140-150	0
150-160	0
160-170	0
170-180	0

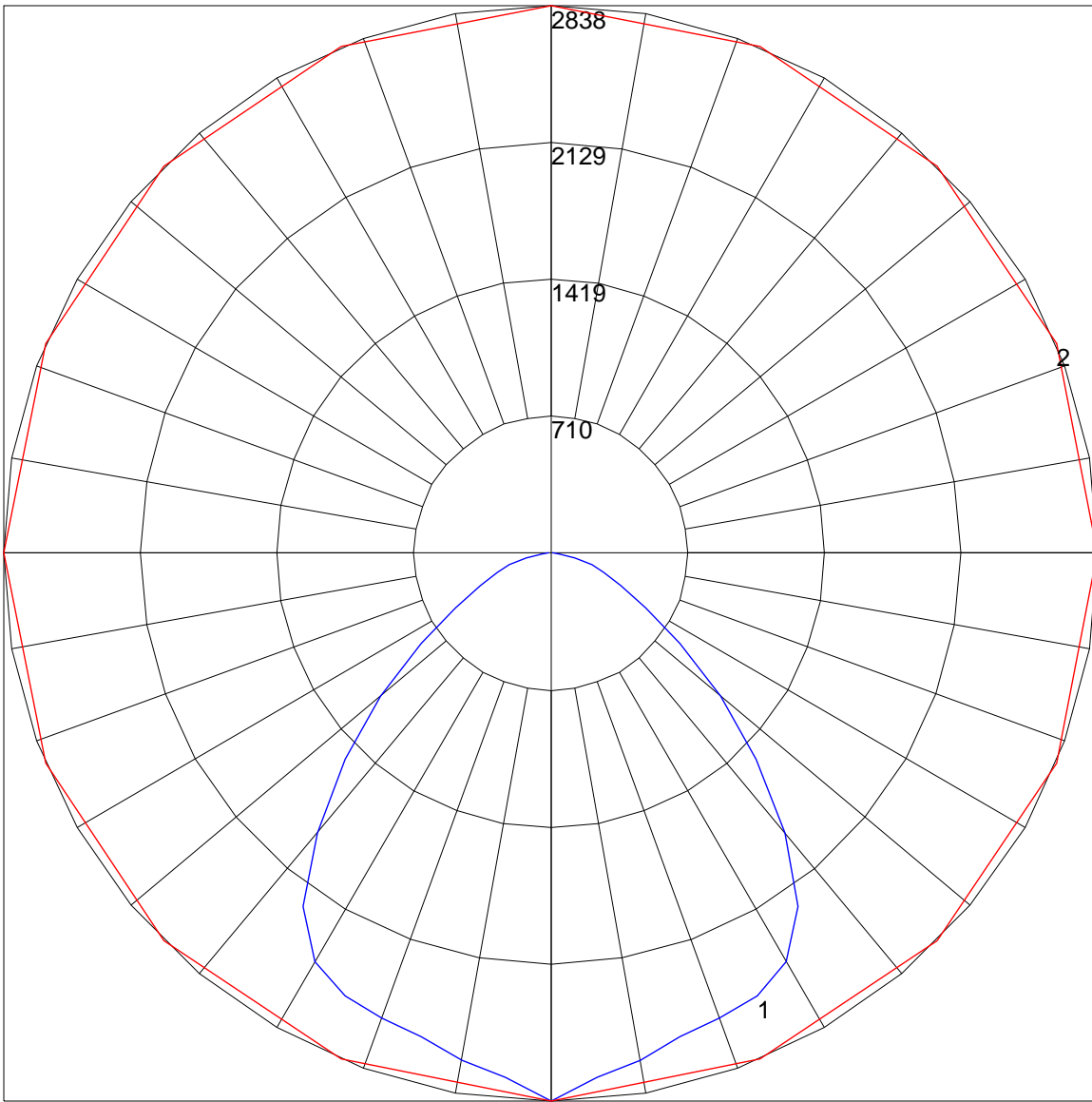
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	84	84	84	84	82	82	82	82	79	79	79	75	75	75	72	72	72	71
1	78	75	73	70	76	74	71	69	71	69	67	68	66	65	65	64	63	62
2	72	67	63	59	70	66	62	59	63	60	57	61	58	56	59	57	55	53
3	66	60	55	51	65	59	54	50	57	53	49	55	51	49	53	50	48	46
4	61	54	48	44	60	53	48	44	51	47	43	50	46	43	48	45	42	41
5	57	49	43	39	55	48	42	38	46	42	38	45	41	38	44	40	37	36
6	53	44	38	34	51	43	38	34	42	37	34	41	37	33	40	36	33	32
7	49	40	35	31	48	40	34	30	39	34	30	38	33	30	37	33	30	29
8	46	37	31	27	45	36	31	27	36	31	27	35	30	27	34	30	27	26
9	43	34	29	25	42	34	28	25	33	28	25	32	28	25	31	27	24	23
10	40	31	26	23	39	31	26	23	30	26	23	30	26	22	29	25	22	21

POLAR GRAPH



Maximum Candela = 2838.42 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)