

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 31E 232 OCT 9A ELB UNI-V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Photopia 2.0.0.17 PHOTOMETRIC REPORT
[ISSUEDATE] 10-06-2009
[MANUFAC] MERCURY LIGHTING PRODUCTS CO. INC.
[MORE] FAIRFIELD, NJ USA
[LUMCAT] MRCTB 1x4 2L-232IST8ELE
[LUMINAIRE] MERCURY RECESSED STATIC T-BAR LUMINAIRE
[MORE] WITH PRISMATIC K12 LENS
[LAMP] TWO F32T8/TL841 32W T8 FLUORESCENT LAMPS. LUMEN RATING = 2950 LMS.
[BALLAST] ULTRA-MISER 120V 2-LAMP ELECTRONIC
[BALLASTCAT] E232PI120G01

CHARACTERISTICS

Total Rated Lamp Lumens	5900 (2 lamps)
Total Luminaire Efficiency	69.1 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	58
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	1.24
Spacing Criteria (90-270)	1.14
Spacing Criteria (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.82 ft
Luminous Width (90-270)	0.82 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4877	4532	4309
55	3130	2983	2844
65	2074	1995	1895
75	1911	1772	1684
85	1039	923	859

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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>
0	2120.38	2120.38	2120.38	2120.38	2120.38
5	2067.23	2082.62	2041.78	2057.96	2072.01
10	1967.12	1986.84	1960.75	1959.6	1937.62
15	1921.3	1931.33	1886.71	1873.78	1867.24
20	1917.3	1895.9	1863.14	1833.43	1815.32
25	1890.32	1847.49	1805.22	1773.15	1762.68
30	1766.15	1742.8	1694.12	1632.62	1597.14
35	1572.46	1532.13	1473.03	1413.92	1389.25
40	1290.55	1267.26	1203.17	1136.33	1123.12
45	999.65	982.73	928.79	888.31	883.12
50	739.95	734.99	700.31	670.51	655.50
55	520.31	516.42	495.87	474.49	472.73
60	351.87	350.38	340.28	325.89	322.79
65	254.01	254.39	244.37	235.17	232.12
70	189.76	188.53	180.43	176.46	173.24
75	143.38	140.85	132.91	129.47	126.33
80	81.76	81.15	77.55	74.44	75.29
85	26.24	24.67	23.31	21.74	21.70
90	6.01	6.11	5.69	4.92	4.73

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	1561.91	26.5	38.3
0-40	2474.52	41.9	60.7
0-60	3654.18	61.9	89.6
0-90	4078.67	69.1	100
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
0-180	4078.67	69.1	100

Total Luminaire Efficiency = 69.1%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	194.1
10-20	539.03
20-30	828.77
30-40	912.61
40-50	726.61
50-60	453.05
60-70	249.52
70-80	139.51
80-90	35.46
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

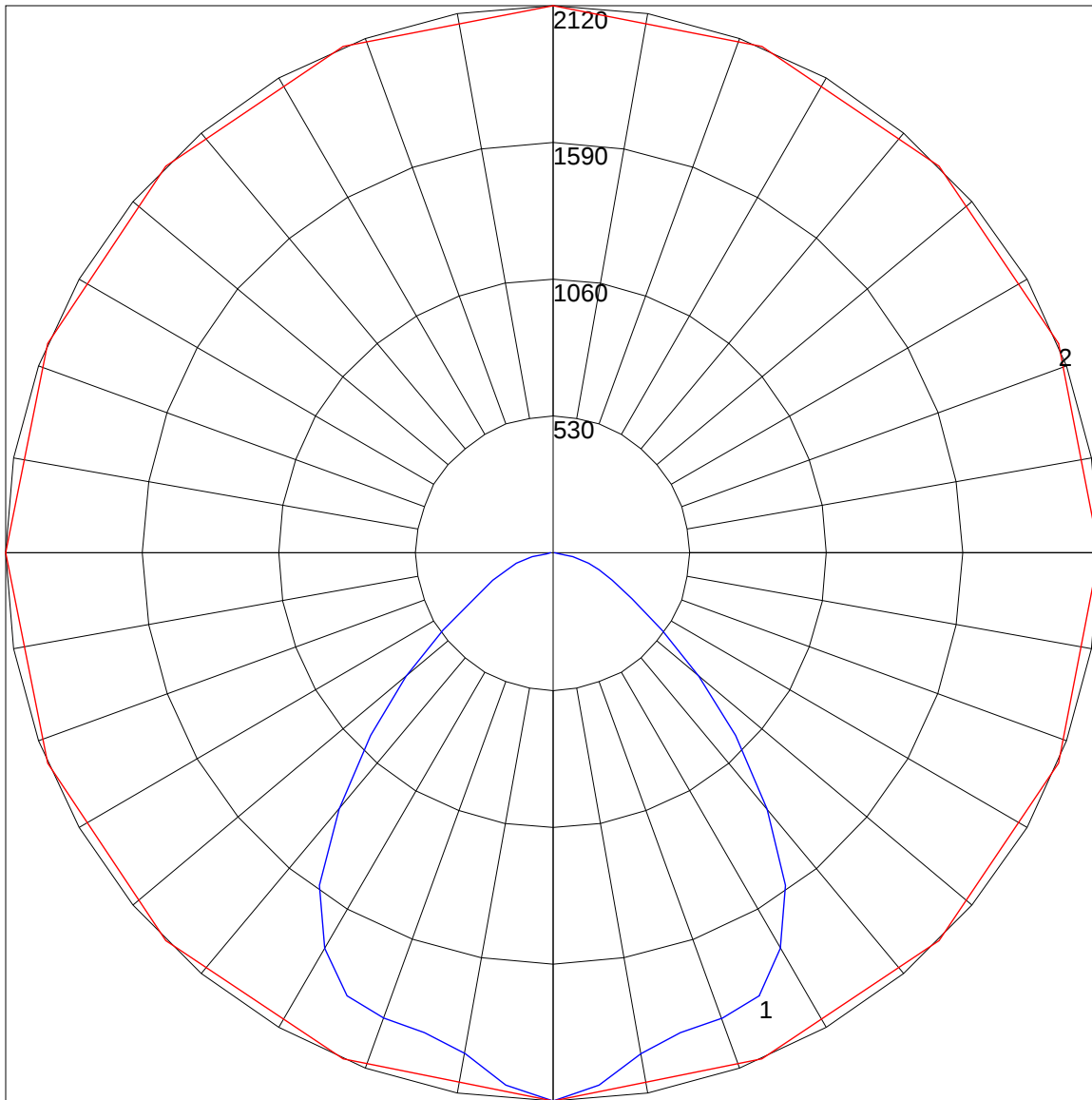
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	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	82	82	82	82	80	80	80	80	77	77	77	74	74	74	71	71	71	69
1	77	74	71	69	75	72	70	68	69	68	66	67	65	64	64	63	62	61
2	71	66	62	59	69	65	61	58	62	59	57	60	58	55	58	56	54	53
3	65	59	54	51	64	58	54	50	56	52	49	54	51	48	53	50	48	46
4	61	53	48	44	59	53	48	44	51	47	43	49	46	43	48	45	42	41
5	56	48	43	39	55	48	43	39	46	42	38	45	41	38	44	40	38	36
6	52	44	39	35	51	44	38	35	42	38	34	41	37	34	40	37	34	32
7	49	40	35	31	48	40	35	31	39	34	31	38	34	31	37	33	30	29
8	46	37	32	28	45	37	32	28	36	31	28	35	31	28	34	30	28	26
9	43	34	29	26	42	34	29	26	33	29	25	33	28	25	32	28	25	24
10	40	32	27	23	40	32	27	23	31	26	23	30	26	23	30	26	23	22

POLAR GRAPH



Maximum Candela = 2120.38 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.)