LTL LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING MEMBER of the IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 09225 DATE: 09-07-2005
PREPARED FOR: EGRESSLITE
CATALOG NUMBER: RM36
LUMINAIRE: FORMED STEEL HOUSING, FORMED STEEL REFLECTORS WITHIN CLEAR POLYCARBONATE ENCLOSURE. SPECULAR POLYCARBONATE REFLECTOR ABOVE LAMP ENCLOSURE.
LAMPS: TWO 18 WATT T5 WEDGE XENON LAMPS RATED AT 250 LUMENS EACH.
LAMP CATALOG NUMBER: THHC LIGHTING XELOGEN 18W
MOUNTING: WALL

CANDELA DISTRIBUTION

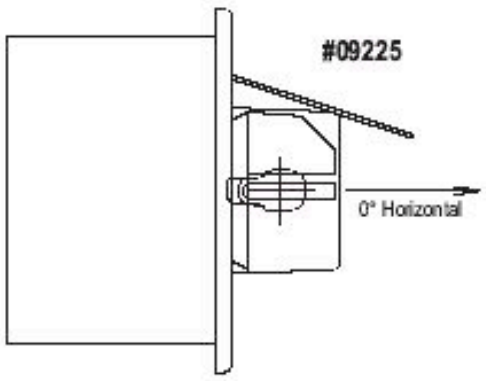
	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	FLUX
0	53	53	53	53	53	53	53	53	53	
5	54	53	52	52	51	53	55	56	58	5
15	50	48	47	50	50	52	44	38	38	13
25	57	54	51	42	43	39	6	3	3	16
35	57	57	53	52	53	33	2	0	1	21
45	49	50	55	58	54	11	0	0	1	25
55	66	62	55	57	57	12	0	0	0	31
65	62	62	57	59	57	14	0	0	0	34
75	58	56	57	56	47	13	0	0	0	34
85	52	62	60	65	43	8	0	0	0	36
90	53	66	58	71	45	12	0	0	0	
95	52	57	54	55	42	13	0	0	0	33
105	26	33	37	30	26	13	0	0	0	20
115	13	20	16	20	14	7	0	0	0	10
125	11	7	6	9	5	1	0	0	0	4
135	7	5	4	4	2	1	0	0	0	2
145	6	4	3	2	1	0	0	0	0	1
155	3	2	2	2	1	0	0	0	0	1
165	2	1	1	1	1	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	34	6.8	11.8
0- 40	55	11.0	19.3
0- 60	111	22.2	38.8
0- 90	215	43.0	75.3
90-120	63	12.6	22.0
90-130	67	13.4	23.4
90-150	70	14.0	24.5
90-180	71	14.1	24.7
0-180	286	57.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 57.1%
CIE TYPE: SEMI-DIRECT

PLANE:	0-DEG	90-DEG	180-DEG
SPACING CRITERIA:	1.6	1.5	0.6



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-46 AND OTHER PERTINENT IESNA PROCEDURES.

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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0
0	53	53	53	53	53	53	53	53	53
5	54	53	52	52	51	53	55	56	58
10	50	49	51	52	51	53	54	50	51
15	50	48	47	50	50	52	44	38	38
20	56	52	48	48	48	48	33	7	6
25	57	54	51	42	43	39	6	3	3
30	59	57	49	47	53	40	3	2	1
35	57	57	53	52	53	33	2	0	1
40	54	62	57	53	52	12	0	0	1
45	49	50	55	58	54	11	0	0	1
50	49	58	49	58	56	11	0	0	0
55	66	62	55	57	57	12	0	0	0
60	71	61	54	59	58	13	0	0	0
65	62	62	57	59	57	14	0	0	0
70	59	60	59	53	52	14	0	0	0
75	58	56	57	56	47	13	0	0	0
80	53	53	56	60	45	14	0	0	0
85	52	62	60	65	43	8	0	0	0
90	53	66	58	71	45	12	0	0	0
95	52	57	54	55	42	13	0	0	0
100	40	39	46	36	29	13	0	0	0
105	26	33	37	30	26	13	0	0	0
110	18	30	26	24	20	10	0	0	0
115	13	20	16	20	14	7	0	0	0
120	12	9	8	15	9	5	0	0	0
125	11	7	6	9	5	1	0	0	0
130	8	6	5	5	3	1	0	0	0
135	7	5	4	4	2	1	0	0	0
140	6	5	4	3	2	0	0	0	0
145	6	4	3	2	1	0	0	0	0
150	4	3	3	2	1	0	0	0	0
155	3	2	2	2	1	0	0	0	0
160	2	1	1	2	1	0	0	0	0
165	2	1	1	1	1	0	0	0	0
170	1	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

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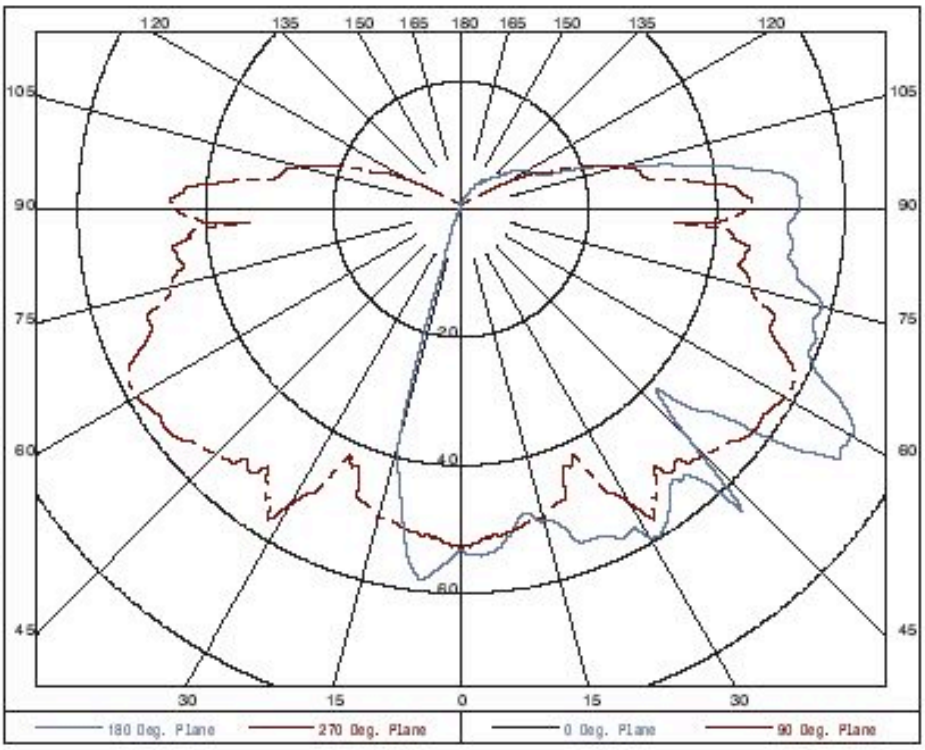
ZONAL LUMEN SUMMARY

0- 5	1.
5- 10	4.
10- 15	6.
15- 20	7.
20- 25	7.
25- 30	9.
30- 35	10.
35- 40	11.
40- 45	12.
45- 50	13.
50- 55	15.
55- 60	16.
60- 65	17.
65- 70	17.
70- 75	17.
75- 80	17.
80- 85	18.
85- 90	17.
90- 95	18.
95-100	14.
100-105	11.
105-110	9.
110-115	6.
115-120	4.
120-125	2.
125-130	2.
130-135	1.
135-140	1.
140-145	1.
145-150	0.
150-155	0.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

PLANE:	0-DEG	90-DEG
LUMINOUS LENGTH:	1.500	2.375
HEIGHT OF SIDE:	2.375	2.375

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	23058.	23058.	23058.
45	16820.	19136.	22130.
55	23481.	18047.	22400.
65	23642.	18223.	22167.
75	24639.	18313.	18655.
85	25824.	19987.	17987.



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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	65	65	65	65	62	62	62	62	56	56	56	50	50	50	45	45	45	43
1	56	52	49	46	53	50	46	44	44	42	40	40	38	36	35	34	32	30
2	50	44	39	35	47	42	37	34	37	34	31	33	30	28	29	27	25	23
3	45	38	32	28	42	36	31	27	32	28	25	29	25	22	25	23	20	18
4	41	33	28	23	39	32	26	22	28	24	21	25	22	19	22	19	17	15
5	37	29	24	20	35	28	23	19	25	21	17	22	19	16	20	17	14	13
6	34	26	21	17	32	25	20	16	22	18	15	20	16	13	18	15	12	11
7	31	23	18	14	30	22	17	14	20	16	13	18	14	11	16	13	10	9
8	29	21	16	12	27	20	15	12	18	14	11	16	13	10	15	11	9	8
9	27	19	14	11	26	18	14	10	16	12	10	15	11	9	13	10	8	7
10	25	17	13	10	24	17	12	9	15	11	9	14	10	8	12	9	7	6

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.