



INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

REPORT NUMBER: ITL56730

DATE: 10/10/05

PREPARED FOR: BEGHELLI

CATALOG NUMBER: XCL-6V5

LUMINAIRE: MOLDED WHITE PLASTIC HOUSING, MOLDED WHITE PLASTIC REFLECTOR,
CLEAR PLASTIC DROP LENS WITH RECTANGULAR PRISMS.

LAMP: ONE 5.4-WATT CLEAR T-5 INCANDESCENT, GE 939,
VERTICAL BASE-UP POSITION.

MOUNTING: WALL

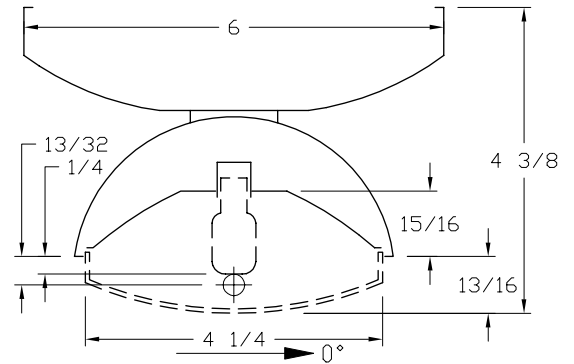
REPORT IS BASED ON 68 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	13	13	13	13	13
5	14	14	15	15	16
15	12	17	14	15	15
25	13	15	14	17	13
35	11	13	13	12	13
45	8	12	11	13	11
55	6	9	11	7	7
65	4	5	7	11	10
75	2	5	6	4	7
85	2	6	6	9	5
90	0	1	2	2	1
95	0	1	1	0	0
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

FLUX

1
4
6
8
9
8
7
5
5
1
0
0
0
0
0
0
0
0
0
0
0



ZONAL LUMEN SUMMARY

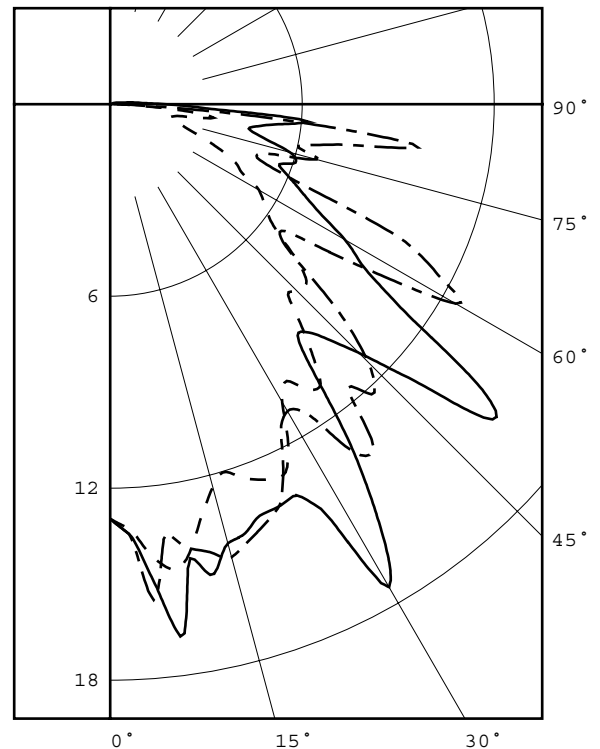
ZONE	LUMENS	%LAMP	%FIXT
0- 30	12	17.5	22.1
0- 40	20	28.7	36.3
0- 60	37	53.7	67.9
0- 90	53	78.2	98.9
90-120	1	0.9	1.1
90-130	1	0.9	1.1
90-150	1	0.9	1.1
90-180	1	0.9	1.1
0-180	54	79.1	100.0

TOTAL LUMINAIRE EFFICIENCY = 79.1 %

CIE TYPE - DIRECT

PLANE : 0-DEG 90-DEG

SPACING CRITERIA : 1.2 1.6

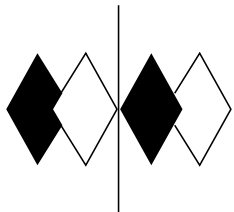


LEGEND:

0-deg: - - - - -
45-deg: = = = = =
90-deg: - - - - -

Checked N. WHITE

Approved R. BEATTIE



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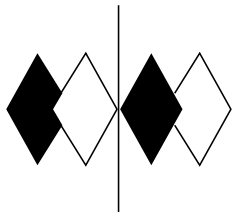
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CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0.0	13	13	13	13	13
5.0	14	14	15	15	16
10.0	14	15	14	15	14
15.0	12	17	14	15	15
20.0	12	13	14	16	14
25.0	13	15	14	17	13
30.0	11	12	17	11	11
35.0	11	13	13	12	13
40.0	10	13	9	15	12
45.0	8	12	11	13	11
50.0	8	11	15	11	8
55.0	6	9	11	7	7
60.0	5	6	8	11	12
65.0	4	5	7	11	10
70.0	3	5	6	6	5
75.0	2	5	6	4	7
80.0	2	4	4	5	7
85.0	2	6	6	9	5
90.0	0	1	2	2	1
95.0	0	1	1	0	0
100.0	0	0	0	0	0
105.0	0	0	0	0	0
110.0	0	0	0	0	0
115.0	0	0	0	0	0
120.0	0	0	0	0	0
125.0	0	0	0	0	0
130.0	0	0	0	0	0
135.0	0	0	0	0	0
140.0	0	0	0	0	0
145.0	0	0	0	0	0
150.0	0	0	0	0	0
155.0	0	0	0	0	0
160.0	0	0	0	0	0
165.0	0	0	0	0	0
170.0	0	0	0	0	0
175.0	0	0	0	0	0
180.0	0	0	0	0	0

ZONAL LUMEN SUMMARY

0- 5	0.
5- 10	1.
10- 15	2.
15- 20	2.
20- 25	3.
25- 30	3.
30- 35	4.
35- 40	4.
40- 45	4.
45- 50	5.
50- 55	4.
55- 60	4.
60- 65	4.
65- 70	3.
70- 75	3.
75- 80	2.
80- 85	3.
85- 90	1.
90- 95	0.
95-100	0.
100-105	0.
105-110	0.
110-115	0.
115-120	0.
120-125	0.
125-130	0.
130-135	0.
135-140	0.
140-145	0.
145-150	0.
150-155	0.
155-160	0.
160-165	0.
165-170	0.
170-175	0.
175-180	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	94	94	94	94	92	92	92	92	87	87	87	83	83	83	80	80	80	78
1	83	78	74	70	81	76	72	69	73	69	66	69	66	64	66	64	62	60
2	75	67	61	55	72	65	59	54	62	57	53	59	55	51	57	53	50	48
3	68	58	51	45	66	57	50	44	54	48	43	52	47	42	49	45	41	39
4	62	51	43	37	60	50	43	37	48	41	36	46	40	36	44	39	35	33
5	57	45	38	32	55	44	37	32	42	36	31	41	35	30	39	34	30	28
6	52	41	33	27	50	40	32	27	38	32	27	37	31	26	35	30	26	24
7	48	37	29	24	47	36	29	24	34	28	23	33	27	23	32	27	23	21
8	45	33	26	21	43	33	26	21	31	25	21	30	25	21	29	24	20	19
9	42	30	23	19	40	30	23	19	29	23	19	28	22	18	27	22	18	17
10	39	28	21	17	38	27	21	17	27	21	17	26	20	17	25	20	16	15

ALL CANDELA, LUMENS, LUMINANCE, COEFFICIENT OF UTILIZATION AND VCP VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.000. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.