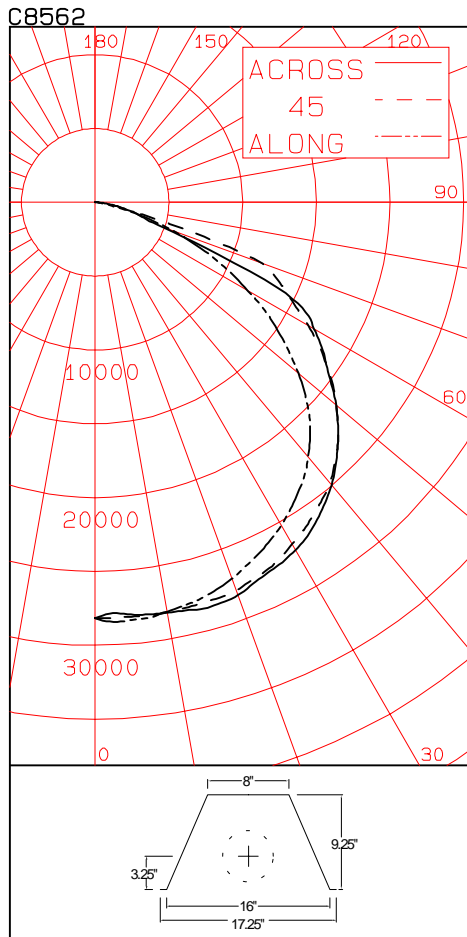


CERTIFIED TEST REPORT NO. LSC8562
 COMPUTED BY LSC PROGRAM **TEST-LITE**

BELL LIGHTING TECHNOLOGIES INDOOR HID HIGH BAY FIXTURE CAT. NO. LF1000-COMPACT
 WITH WHITE PAINTED INTERIOR
 ONE 1000W CLEAR BT37 METAL HALIDE LAMP. LUMEN RATING = 110000 LMS.



CANDLEPOWER SUMMARY

OUTPUT
LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	28177	28177	28177	28177	28177	
5	28402	28295	28168	28047	28022	2733
10	28134	28154	28202	28251	28222	
15	27774	27871	28095	28465	28485	7946
20	27122	27453	27988	28275	28319	
25	26255	26776	27511	27774	27701	12574
30	25257	26085	26718	27156	27200	
35	23997	25136	25798	26382	26250	16008
40	22473	23909	24815	25136	24980	
45	20570	22128	23281	23495	23272	17447
50	17995	19835	21334	21427	21344	
55	15104	17236	19149	19373	19134	16289
60	11984	14622	16661	17401	17138	
65	8796	11921	14286	15333	13585	12447
70	5622	9292	12067	6357	4546	
75	2628	4906	3816	2843	2794	4169
80	725	954	1382	1514	1514	
85	58	170	360	433	453	462
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	23252	21.14	25.81
0-40	39260	35.69	43.59
0-60	72996	66.36	81.04
0-90	90075	81.89	100.00
40-90	50814	46.19	56.41
60-90	17078	15.53	18.96
90-180	0	.00	.00
0-180	90075	81.89	100.00

** EFFICIENCY = 81.9% **

LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .89 S/MH = 1.4
 SC(ALONG) = 1.3, SC(ACROSS) = 1.4

ANGLE	ALONG	45	ACROSS
45	125250	142299	142240
55	113377	144289	144179
65	89607	146057	138932
75	43725	63559	46656
85	2885	17840	22448

CERTIFIED BY:

DATE:

JAN 12, 2001

PREPARED FOR:

BELL LIGHTING TECHNOLOGIES
 VICTORIA, BRITISH COLUMBIA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE
 TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

LIGHTING SCIENCES CANADA LTD.
 440 PHILLIP ST. UNIT 19
 WATERLOO, ONTARIO CANADA N2L 5R9

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BELL LIGHTING TECHNOLOGIES INDOOR HID HIGH BAY FIXTURE CAT. NO. LF1000-COMPACT
 WITH WHITE PAINTED INTERIOR
 ONE 1000W CLEAR BT37 METAL HALIDE LAMP. LUMEN RATING = 110000 LMS.

CANDLEPOWER DATA
 IN 2.5 DEGREE STEPS

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
.0	28177	28177	28177	28177	28177	28177	
2.5	28441	28319	28168	28027	27847	28165	
5.0	28402	28295	28168	28047	28022	28180	2733
7.5	28368	28246	28236	28129	28144	28217	
10.0	28134	28154	28202	28251	28222	28196	
12.5	27974	28105	28139	28295	28309	28170	
15.0	27774	27871	28095	28465	28485	28140	7946
17.5	27487	27701	28061	28358	28441	28021	
20.0	27122	27453	27988	28275	28319	27859	
22.5	26693	27131	27716	27988	27964	27541	
25.0	26255	26776	27511	27774	27701	27260	12574
27.5	25778	26489	27195	27550	27477	26965	
30.0	25257	26085	26718	27156	27200	26547	
32.5	24664	25647	26323	26849	26810	26139	
35.0	23997	25136	25798	26382	26250	25610	16008
37.5	23345	24542	25330	25764	25623	25030	
40.0	22473	23909	24815	25136	24980	24397	
42.5	21573	23057	24016	24386	24162	23582	
45.0	20570	22128	23281	23495	23272	22706	17447
47.5	19348	21062	22352	22522	22342	21695	
50.0	17995	19835	21334	21427	21344	20566	
52.5	16579	18516	20332	20370	20205	19402	
55.0	15104	17236	19149	19373	19134	18219	16289
57.5	13678	16034	17971	18472	18229	17107	
60.0	11984	14622	16661	17401	17138	15811	
62.5	10436	13264	15367	16379	16116	14571	
65.0	8796	11921	14286	15333	13585	13182	12447
67.5	7180	10650	13240	11234	8056	10685	
70.0	5622	9292	12067	6357	4546	8200	
72.5	4089	7248	7749	3743	3461	5629	
75.0	2628	4906	3816	2843	2794	3569	4169
77.5	1334	2103	2015	2117	2093	1987	
80.0	725	954	1382	1514	1514	1242	
82.5	321	516	798	944	954	724	
85.0	58	170	360	433	453	305	462
87.5	0	0	58	107	107	55	
90.0	0	0	0	0	0	0	

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BELL LIGHTING TECHNOLOGIES INDOOR HID HIGH BAY FIXTURE CAT. NO. LF1000-COMPACT
WITH WHITE PAINTED INTERIOR
ONE 1000W CLEAR BT37 METAL HALIDE LAMP. LUMEN RATING = 110000 LMS.

AVERAGE LUMINANCE DATA

ANGLE	CD. / SQ. M. (FOOTLAMBERTS)				
	ALONG	22.5	45	67.5	ACROSS
0	121317(35408)	121317(35408)	121317(35408)	121317(35408)	121317(35408)
30	125570(36649)	130048(37956)	133174(38868)	135334(39499)	135225(39467)
40	126310(36865)	134736(39324)	139600(40744)	141656(41344)	140400(40977)
45	125250(36556)	134906(39374)	142299(41532)	143486(41878)	142240(41515)
50	120535(35180)	133361(38923)	142926(41715)	143916(42004)	142967(41727)
55	113377(33090)	129615(37830)	144289(42112)	145857(42570)	144179(42080)
60	103193(30118)	126346(36875)	143619(41917)	150231(43847)	147581(43073)
65	89607(26153)	121557(35478)	146057(42629)	156705(45736)	138932(40549)
70	70772(20656)	117391(34262)	152341(44463)	80197(23406)	57231(16703)
75	43725(12761)	81933(23913)	63559(18550)	47451(13849)	46656(13617)
80	17982(5248)	23745(6930)	34407(10042)	37587(10970)	37534(10955)
85	2885(842)	8445(2464)	17840(5206)	21478(6268)	22448(6552)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LIGHTING SCIENCES CANADA LTD.
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BELL LIGHTING TECHNOLOGIES INDOOR HID HIGH BAY FIXTURE CAT. NO. LF1000-COMPACT
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 ONE 1000W CLEAR BT37 METAL HALIDE LAMP. LUMEN RATING = 110000 LMS.

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	.97	.97	.97	.97	.95	.95	.95	.95	.91	.91	.91	.87	.87	.87	.84	.84	.84	.82
1	.90	.87	.84	.81	.88	.85	.82	.80	.81	.79	.77	.78	.76	.75	.75	.74	.72	.71
2	.83	.77	.72	.68	.81	.75	.71	.67	.72	.69	.65	.70	.67	.64	.68	.65	.62	.61
3	.76	.68	.62	.57	.74	.67	.61	.56	.64	.59	.55	.62	.58	.54	.60	.57	.53	.52
4	.70	.61	.54	.49	.68	.59	.53	.48	.57	.52	.48	.56	.51	.47	.54	.50	.46	.45
5	.64	.54	.47	.41	.62	.53	.46	.41	.51	.45	.41	.50	.44	.40	.48	.44	.40	.38
6	.59	.48	.41	.36	.57	.47	.40	.35	.46	.40	.35	.44	.39	.35	.43	.38	.34	.33
7	.54	.43	.36	.31	.52	.42	.35	.30	.41	.34	.30	.39	.34	.30	.38	.34	.30	.28
8	.50	.38	.32	.27	.48	.38	.31	.27	.37	.31	.27	.36	.30	.26	.35	.30	.26	.25
9	.46	.35	.28	.23	.45	.34	.28	.23	.33	.27	.23	.32	.27	.23	.32	.27	.23	.21
10	.42	.32	.25	.21	.41	.31	.25	.21	.30	.24	.20	.30	.24	.20	.29	.24	.20	.19

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 1100
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.