

REPORT NUMBER: ITL59483

DATE: 12/03/07

PREPARED FOR: BOYD LIGHTING CO.

CATALOG NUMBER: C10192INC

LUMINAIRE: FABRICATED BLACK PAINTED METAL FRAME, FOUR FABRICATED BLACK PAINTED METAL MOUNTING RODS AND MOUNTING PLATE, FABRICATED WHITE PAINTED METAL SOCKET MOUNTING ASSEMBLY, FABRICATED WHITE PAINTED PERFORATED METAL TOP DIFFUSER/CAP IN SPUN BLACK PAINTED METAL RING, TRANSLUCENT WHITE ACRYLIC SPHERICAL DIFFUSER.

LAMPS: TWO 200-WATT INSIDE FROSTED A-23 INCANDESCENT, PRISM A23FR200/P5, VERTICAL BASE-UP POSITION.

MOUNTING: SUSPENDED

REPORT IS BASED ON 2400 LUMENS PER LAMP.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
0	321	321	321	321	321	
5	320	321	320	320	320	31
15	317	317	316	316	317	90
25	311	310	309	310	310	143
35	301	300	298	299	300	188
45	297	294	293	293	295	228
55	296	292	290	291	295	262
65	298	292	288	291	296	291
75	305	296	290	294	303	313
85	307	298	288	297	304	323
90	303	297	284	295	301	
95	302	294	284	298	306	322
105	298	288	280	291	301	306
115	289	278	273	280	292	279
125	277	269	266	270	279	243
135	269	263	262	264	270	205
145	265	259	260	260	266	164
155	247	245	246	245	247	114
165	240	238	231	227	227	66
175	232	232	231	232	232	22
180	233	233	233	233	233	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	263	5.5	7.3
0- 40	451	9.4	12.6
0- 60	941	19.6	26.2
0- 90	1869	38.9	52.1
90-120	907	18.9	25.3
90-130	1150	24.0	32.0
90-150	1518	31.6	42.3
90-180	1720	35.8	47.9
0-180	3589	74.8	100.0

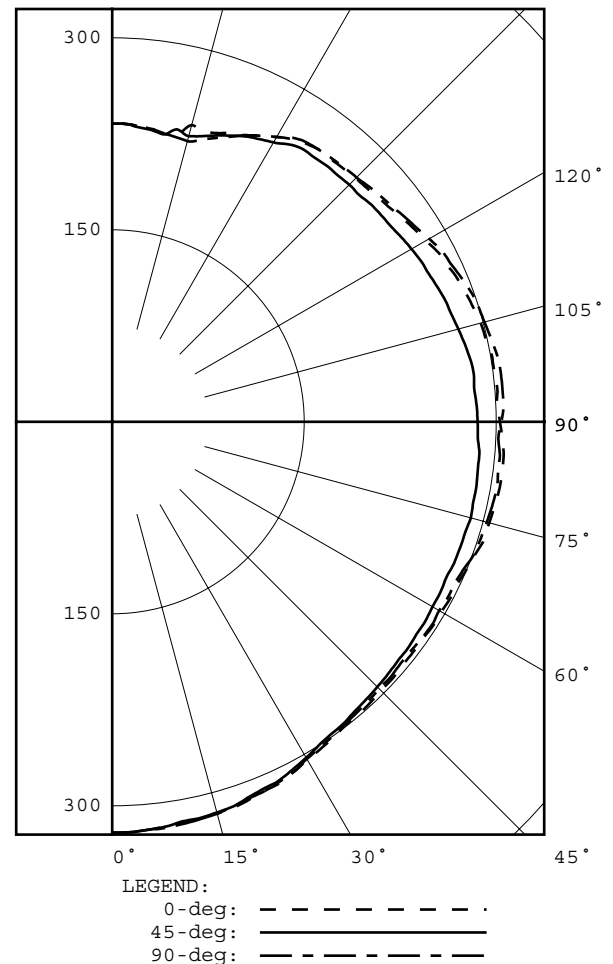
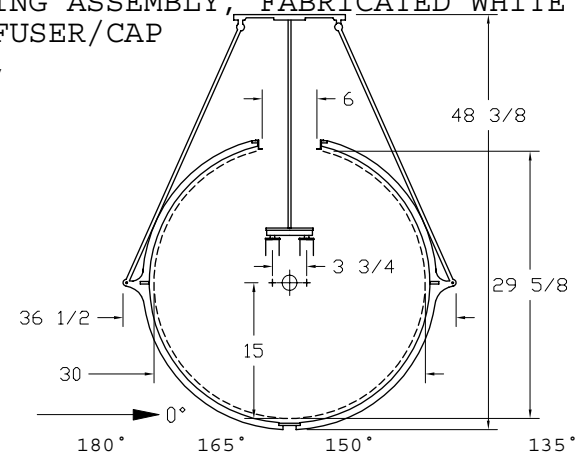
TOTAL LUMINAIRE EFFICIENCY = 74.8 %

CIE TYPE - DIRECT-INDIRECT

PLANE : 0-DEG 90-DEG

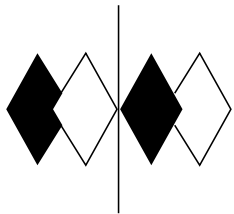
SPACING CRITERIA : 1.4 1.4

THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



Checked N. WHITE

Approved R. BEATTIE



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
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LUMINANCE DATA IN CANDELA/SQ M				
ANGLE	AVERAGE	AVERAGE	AVERAGE	
IN DEG	0-DEG	45-DEG	90-DEG	
45	651.	642.	647.	
55	649.	636.	647.	
65	653.	631.	649.	
75	669.	636.	664.	
85	673.	631.	667.	



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	0.0	22.5	45.0	67.5	90.0
0.0	321	321	321	321	321
5.0	320	321	320	320	320
10.0	318	318	317	318	319
15.0	317	317	316	316	317
20.0	314	314	312	313	313
25.0	311	310	309	310	310
30.0	305	304	303	303	304
35.0	301	300	298	299	300
40.0	299	297	295	296	297
45.0	297	294	293	293	295
50.0	296	292	291	291	294
55.0	296	292	290	291	295
60.0	297	292	289	290	295
65.0	298	292	288	291	296
70.0	302	294	289	293	301
75.0	305	296	290	294	303
80.0	307	297	289	296	305
85.0	307	298	288	297	304
90.0	303	297	284	295	301
95.0	302	294	284	298	306
100.0	301	293	284	295	305
105.0	298	288	280	291	301
110.0	294	283	277	285	298
115.0	289	278	273	280	292
120.0	283	273	270	275	286
125.0	277	269	266	270	279
130.0	272	266	264	267	274
135.0	269	263	262	264	270
140.0	267	261	261	262	268
145.0	265	259	260	260	266
150.0	257	252	252	253	257
155.0	247	245	246	245	247
160.0	240	238	238	234	236
165.0	240	238	231	227	227
170.0	229	229	228	229	229
175.0	232	232	231	232	232
180.0	233	233	233	233	233

ZONAL LUMEN SUMMARY

0- 5	8.
5- 10	23.
10- 15	38.
15- 20	52.
20- 25	65.
25- 30	78.
30- 35	89.
35- 40	99.
40- 45	109.
45- 50	119.
50- 55	127.
55- 60	135.
60- 65	142.
65- 70	149.
70- 75	154.
75- 80	159.
80- 85	161.
85- 90	162.
90- 95	162.
95-100	160.
100-105	156.
105-110	150.
110-115	143.
115-120	135.
120-125	126.
125-130	117.
130-135	107.
135-140	98.
140-145	88.
145-150	76.
150-155	63.
155-160	51.
160-165	38.
165-170	27.
170-175	16.
175-180	6.



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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	81	81	81	81	74	74	74	74	63	63	63	53	53	53	43	43	43	39
1	70	66	61	58	64	60	57	53	51	48	45	42	39	37	33	32	30	26
2	63	56	50	45	57	51	46	41	43	39	35	35	32	29	28	25	23	20
3	57	48	41	36	52	44	38	33	37	32	28	30	26	23	24	21	19	15
4	51	42	35	30	47	38	32	28	32	27	23	26	22	19	21	18	15	12
5	47	37	30	25	43	34	28	23	28	23	20	23	19	16	18	15	13	10
6	43	33	26	21	39	30	24	20	25	20	17	21	17	14	16	13	11	9
7	40	30	23	18	36	27	21	17	23	18	15	19	15	12	15	12	10	8
8	37	27	20	16	34	25	19	15	21	16	13	17	13	11	14	11	8	7
9	34	24	18	14	31	22	17	13	19	14	11	16	12	9	13	10	8	6
10	32	22	16	13	29	21	15	12	17	13	10	14	11	8	12	9	7	5

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.