



LIGHTING SCIENCES CANADA LTD.

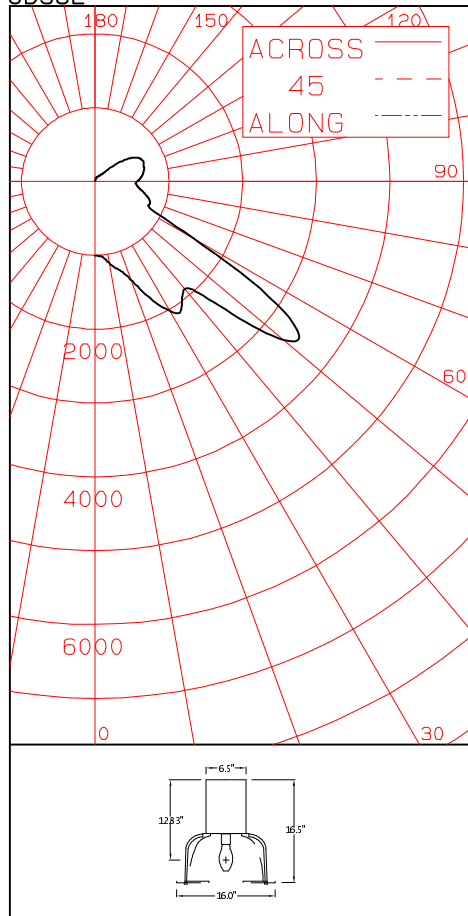
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CERTIFIED TEST REPORT NO. LSCD582
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710MH1SM175W120/277AC50
WITH 12" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
ONE 175W CLEAR METAL HALIDE LAMP. LUMEN RATING = 14000 LMS.

CANDLEPOWER SUMMARY

CD582



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	1001		90	569	
5	1021	103	95	624	677
10	1130		100	663	
15	1238	359	105	693	724
20	1419		110	704	
25	1736	810	115	696	686
30	2024		120	646	
35	2052	1264	125	533	471
40	1899		130	366	
45	2382	1937	135	188	167
50	3336		140	124	
55	3206	2587	145	98	62
60	1541		150	80	
65	802	919	155	68	33
70	796		160	62	
75	717	754	165	50	15
80	628		170	35	
85	565	627	175	19	2
90	569		180	7	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1271	9.08	10.43
0-40	2535	18.11	20.79
0-60	7060	50.43	57.88
0-90	9360	66.86	76.74
40-90	6824	48.74	55.95
60-90	2299	16.43	18.86
90-180	2837	20.27	23.26
0-180	12197	87.13	100.00

** EFFICIENCY = 87.1% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 3.0
SC = 2.4

ANGLE	MEAN CD/SQ M
45	25129
55	35466
65	9632
75	9752
85	9173

CERTIFIED BY:

Charles Lison

DATE:
DEC 18, 2008

PREPARED FOR:

BEGHELLI USA
MIRAMAR, FL, USA

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

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100	663	
105	693	724
110	704	
115	696	686
120	646	
125	533	471
130	366	
135	188	167
140	124	
145	98	62
150	80	
155	68	33
160	62	
165	50	15
170	35	
175	19	2
180	7	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	35102	(10245)
30	21082	(6153)
40	19796	(5778)
45	25129	(7334)
50	35886	(10474)
55	35466	(10351)
60	17678	(5159)
65	9632	(2811)
70	10110	(2950)
75	9752	(2846)
80	9255	(2701)
85	9173	(2677)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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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	.99	.99	.99	.99	.94	.94	.94	.94	.86	.86	.86	.78	.78	.78	.70	.70	.70	.67
1	.89	.84	.80	.76	.84	.80	.77	.73	.73	.70	.67	.66	.64	.62	.60	.58	.56	.53
2	.80	.73	.67	.61	.76	.70	.64	.59	.63	.59	.55	.57	.54	.51	.52	.49	.47	.44
3	.73	.63	.56	.50	.69	.60	.54	.48	.55	.49	.45	.50	.45	.42	.45	.42	.38	.36
4	.66	.56	.48	.42	.63	.53	.46	.40	.48	.42	.38	.44	.39	.35	.40	.36	.32	.30
5	.60	.48	.41	.35	.57	.46	.39	.33	.42	.36	.31	.38	.33	.29	.35	.30	.27	.25
6	.54	.42	.34	.29	.51	.40	.33	.27	.37	.30	.26	.33	.28	.24	.30	.26	.22	.20
7	.49	.37	.29	.23	.46	.35	.28	.22	.32	.25	.21	.29	.23	.19	.26	.21	.18	.15
8	.45	.32	.25	.19	.42	.31	.24	.19	.28	.22	.17	.26	.20	.16	.23	.18	.15	.13
9	.41	.29	.21	.16	.39	.28	.21	.16	.25	.19	.14	.23	.17	.13	.20	.16	.12	.10
10	.38	.26	.18	.14	.36	.25	.18	.13	.22	.16	.12	.20	.15	.11	.18	.14	.10	.08

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 192.5
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.