



LIGHTING SCIENCES CANADA LTD.

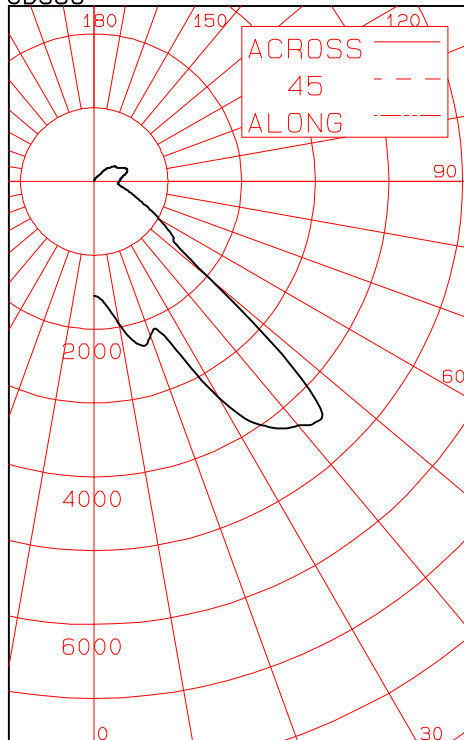
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CERTIFIED TEST REPORT NO. LSCD586
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710MH1MD175W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
ONE 175W CLEAR METAL HALIDE LAMP. LUMEN RATING = 14000 LMS.

CANDLEPOWER SUMMARY

CD586



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	1553		90	339	
5	1665	172	95	354	393
10	1968		100	394	
15	2276	631	105	454	469
20	2230		110	476	
25	2359	1195	115	439	430
30	3378		120	373	
35	4044	2508	125	357	313
40	4314		130	304	
45	4343	2948	135	259	192
50	2011		140	161	
55	1309	1199	145	98	65
60	1016		150	72	
65	767	774	155	54	26
70	588		160	43	
75	469	498	165	35	10
80	369		170	20	
85	318	367	175	4	1
90	339		180	1	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1998	14.27	16.39
0-40	4505	32.19	36.96
0-60	8652	61.81	70.98
0-90	10290	73.51	84.42
40-90	5784	41.32	47.45
60-90	1637	11.70	13.44
90-180	1899	13.57	15.58
0-180	12190	87.07	100.00

** EFFICIENCY = 87.1% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.3
SC = 1.8

ANGLE	MEAN CD/SQ M
45	28810
55	8948
65	5585
75	3773
85	2963

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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120	373	
125	357	313
130	304	
135	259	192
140	161	
145	98	65
150	72	
155	54	26
160	43	
165	35	10
170	20	
175	4	1
180	1	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	54482	(15901)
30	22684	(6620)
40	28520	(8324)
45	28810	(8408)
50	13494	(3938)
55	8948	(2611)
60	7139	(2083)
65	5585	(1630)
70	4483	(1308)
75	3773	(1101)
80	3177	(927)
85	2963	(865)

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	50	30	10	0
RCR																					
0	1.00	1.00	1.00	1.00	.97	.97	.97	.97	.89	.89	.89	.83	.83	.83	.76	.76	.76	.74	.74	.74	.74
1	.92	.88	.85	.82	.88	.85	.82	.79	.79	.76	.74	.73	.71	.69	.68	.66	.65	.62	.62	.62	.62
2	.85	.78	.73	.68	.81	.75	.70	.66	.70	.66	.63	.65	.62	.59	.61	.58	.56	.54	.54	.54	.54
3	.77	.69	.63	.58	.74	.67	.61	.56	.62	.58	.53	.58	.54	.51	.54	.51	.48	.46	.46	.46	.46
4	.71	.62	.55	.49	.68	.60	.53	.48	.56	.50	.46	.52	.48	.44	.49	.45	.42	.40	.40	.40	.40
5	.65	.55	.48	.42	.63	.53	.46	.41	.50	.44	.40	.47	.42	.38	.44	.40	.36	.34	.34	.34	.34
6	.60	.49	.41	.36	.57	.47	.40	.35	.44	.38	.34	.42	.36	.33	.39	.35	.31	.29	.29	.29	.29
7	.55	.43	.36	.31	.52	.42	.35	.30	.39	.33	.29	.37	.31	.28	.35	.30	.26	.25	.25	.25	.25
8	.50	.38	.31	.26	.48	.37	.30	.25	.35	.29	.24	.33	.27	.23	.31	.26	.22	.21	.21	.21	.21
9	.46	.34	.27	.22	.44	.33	.26	.21	.31	.25	.20	.29	.23	.20	.27	.22	.19	.17	.17	.17	.17
10	.41	.30	.23	.18	.40	.29	.22	.18	.27	.21	.17	.25	.20	.16	.24	.19	.15	.14	.14	.14	.14

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.