



LIGHTING SCIENCES CANADA LTD.

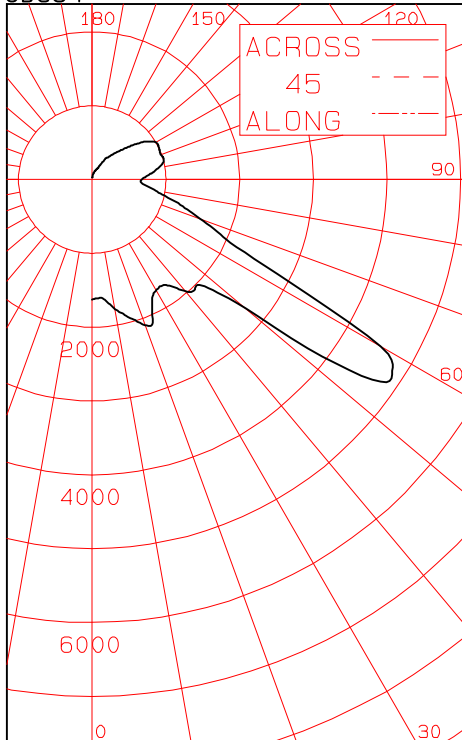
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Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSCD584
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710MH1MD250W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
ONE 250W CLEAR METAL HALIDE LAMP. LUMEN RATING = 20500 LMS.

CANDLEPOWER SUMMARY

CD584



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	1626		90	669	
5	1613	163	95	782	857
10	1785		100	916	
15	1934	553	105	1005	1040
20	2097		110	988	
25	1923	888	115	1004	992
30	1738		120	1005	
35	1748	1128	125	897	795
40	1980		130	732	
45	2020	1679	135	572	454
50	2727		140	457	
55	4781	3867	145	362	233
60	4517		150	255	
65	2162	2478	155	162	83
70	1554		160	135	
75	1176	1250	165	115	33
80	876		170	81	
85	688	789	175	45	6
90	669		180	28	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1604	7.82	9.28
0-40	2732	13.33	15.81
0-60	8277	40.38	47.88
0-90	12795	62.42	74.01
40-90	10062	49.09	58.21
60-90	4517	22.04	26.13
90-180	4492	21.91	25.99
0-180	17287	84.33	100.00

** EFFICIENCY = 84.3% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 3.0
SC = 2.6

ANGLE	MEAN CD/SQ M
45	13399
55	32692
65	15747
75	9471
85	6415

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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110	988	
115	1004	992
120	1005	
125	897	795
130	732	
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140	457	
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150	255	
155	162	83
160	135	
165	115	33
170	81	
175	45	6
180	28	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	57056	(16652)
30	11672	(3406)
40	13088	(3820)
45	13399	(3910)
50	18298	(5340)
55	32692	(9541)
60	31745	(9265)
65	15747	(4596)
70	11838	(3455)
75	9471	(2764)
80	7544	(2202)
85	6415	(1872)

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	.95	.95	.95	.95	.90	.90	.90	.90	.82	.82	.82	.73	.73	.73	.66	.66	.66	.66	.66	.66	.62
1	.85	.81	.76	.73	.81	.77	.73	.69	.69	.66	.63	.62	.60	.57	.55	.54	.52	.52	.52	.52	.49
2	.76	.69	.62	.57	.72	.65	.59	.55	.59	.54	.50	.53	.49	.46	.47	.44	.42	.42	.42	.42	.38
3	.68	.59	.51	.45	.64	.56	.49	.44	.50	.45	.40	.45	.40	.37	.40	.36	.33	.33	.33	.33	.30
4	.62	.51	.43	.37	.58	.48	.41	.35	.43	.37	.33	.39	.34	.30	.35	.31	.27	.27	.27	.27	.24
5	.56	.44	.36	.30	.52	.42	.34	.29	.37	.31	.26	.33	.28	.24	.30	.25	.22	.22	.22	.22	.19
6	.50	.38	.30	.24	.47	.36	.29	.23	.32	.26	.21	.29	.23	.19	.26	.21	.17	.17	.17	.17	.15
7	.45	.33	.25	.20	.43	.31	.24	.19	.28	.22	.17	.25	.19	.15	.22	.17	.14	.14	.14	.14	.12
8	.42	.30	.22	.17	.39	.28	.21	.16	.25	.19	.15	.22	.17	.13	.20	.15	.12	.12	.12	.12	.10
9	.39	.27	.19	.14	.36	.25	.18	.14	.23	.17	.12	.20	.15	.11	.18	.13	.10	.10	.10	.10	.08
10	.36	.24	.17	.12	.34	.23	.16	.12	.21	.15	.11	.18	.13	.10	.16	.12	.09	.09	.09	.09	.07

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 275.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.

BALLAST TEMPERATURE = 94.7 DEG. C