



LIGHTING SCIENCES CANADA LTD.

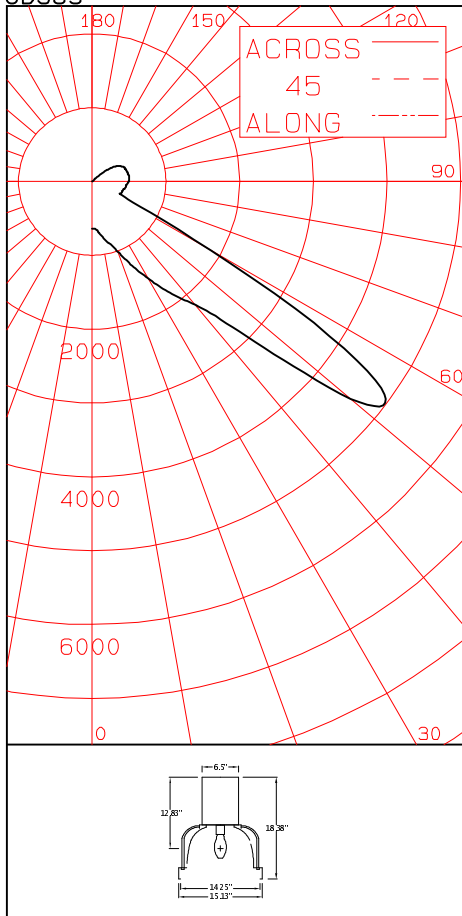
440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
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CERTIFIED TEST REPORT NO. LSCD583
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS720 LUMINAIRE CAT. NO. DRACO BS720MH1SM175W120/277AC50
WITH 12" PRISMATIC REFLECTOR/REFRACTOR AND ALUMINUM RING
ONE 175W CLEAR METAL HALIDE LAMP. LUMEN RATING = 14000 LMS.

CANDLEPOWER SUMMARY

CD583



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	640		90	494	
5	656	67	95	502	545
10	757		100	502	
15	863	250	105	494	520
20	1011		110	481	
25	1236	584	115	467	457
30	1513		120	420	
35	1837	1166	125	337	293
40	2185		130	194	
45	2974	2454	135	37	51
50	4577		140	0	
55	4697	3660	145	0	0
60	1863		150	0	
65	435	671	155	0	0
70	430		160	0	
75	434	464	165	0	0
80	457		170	0	
85	471	515	175	0	0
90	494		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	902	6.44	7.71
0-40	2067	14.77	17.68
0-60	8181	58.44	69.94
0-90	9832	70.23	84.05
40-90	7764	55.46	66.37
60-90	1650	11.79	14.11
90-180	1866	13.33	15.95
0-180	11698	83.56	100.00

** EFFICIENCY = 83.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 3.4
SC = 2.6

ANGLE	MEAN CD/SQ M
45	36637
55	60279
65	6024
75	6727
85	8610

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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80	457	
85	471	515
90	494	
95	502	545
100	502	
105	494	520
110	481	
115	467	457
120	420	
125	337	293
130	194	
135	37	51
140	0	
145	0	0
150	0	
155	0	0
160	0	
165	0	0
170	0	
175	0	0
180	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	22441	(6549)
30	18572	(5420)
40	26674	(7785)
45	36637	(10693)
50	57314	(16728)
55	60279	(17593)
60	24719	(7214)
65	6024	(1758)
70	6272	(1830)
75	6727	(1963)
80	7651	(2233)
85	8610	(2513)

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	.96	.96	.96	.96	.93	.93	.93	.93	.85	.85	.85	.79	.79	.79	.73	.73	.73	.70			
1	.87	.83	.79	.75	.83	.80	.76	.73	.73	.71	.68	.68	.66	.64	.63	.61	.60	.57			
2	.79	.72	.66	.61	.76	.69	.64	.59	.64	.60	.56	.59	.56	.53	.55	.52	.50	.47			
3	.71	.62	.55	.50	.68	.60	.53	.48	.56	.50	.46	.51	.47	.43	.48	.44	.41	.39			
4	.65	.54	.47	.41	.62	.52	.45	.40	.48	.42	.38	.45	.40	.36	.42	.37	.34	.32			
5	.58	.47	.39	.33	.55	.45	.38	.32	.42	.36	.31	.39	.33	.29	.36	.32	.28	.26			
6	.52	.40	.32	.26	.50	.39	.31	.26	.36	.29	.24	.33	.27	.23	.30	.26	.22	.20			
7	.46	.34	.26	.20	.44	.33	.25	.20	.30	.23	.19	.27	.22	.17	.25	.20	.16	.14			
8	.42	.29	.22	.16	.40	.28	.21	.16	.26	.20	.15	.24	.18	.14	.22	.17	.13	.11			
9	.38	.26	.18	.13	.36	.25	.18	.13	.23	.16	.12	.21	.15	.11	.19	.14	.10	.09			
10	.35	.23	.15	.11	.33	.22	.15	.10	.20	.14	.10	.18	.13	.09	.17	.12	.08	.06			

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.

BALLAST TEMPERATURE = 102.5 DEG. C