



LIGHTING SCIENCES CANADA LTD.

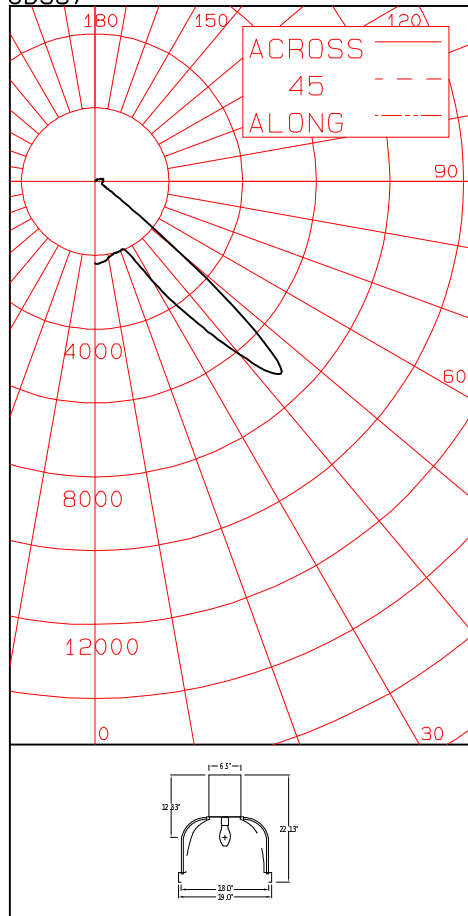
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CERTIFIED TEST REPORT NO. LSCD587
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS720 LUMINAIRE CAT. NO. DRACO BS720MH1MD175W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND ALUMINUM RING
ONE 175W CLEAR METAL HALIDE LAMP. LUMEN RATING = 14000 LMS.

CANDLEPOWER SUMMARY

CD587



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	2218		90	223	
5	2191	209	95	210	231
10	2095		100	211	
15	2015	572	105	228	235
20	1995		110	223	
25	2131	1080	115	185	181
30	3090		120	128	
35	4454	2882	125	104	93
40	6130		130	86	
45	7126	4645	135	66	44
50	3038		140	12	
55	816	987	145	0	1
60	360		150	0	
65	243	250	155	0	0
70	193		160	0	
75	199	205	165	0	0
80	193		170	0	
85	206	225	175	0	0
90	223		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1861	13.30	15.72
0-40	4743	33.88	40.06
0-60	10375	74.11	87.63
0-90	11055	78.97	93.37
40-90	6311	45.08	53.31
60-90	679	4.85	5.74
90-180	785	5.61	6.63
0-180	11840	84.57	100.00

** EFFICIENCY = 84.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.3
SC = 1.8

ANGLE	MEAN CD/SQ M
45	53941
55	6310
65	1981
75	1772
85	2085

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	193	
85	206	225
90	223	
95	210	231
100	211	
105	228	235
110	223	
115	185	181
120	128	
125	104	93
130	86	
135	66	44
140	12	
145	0	1
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	77825	(22714)
30	24014	(7009)
40	46449	(13557)
45	53941	(15743)
50	23151	(6756)
55	6310	(1841)
60	2843	(829)
65	1981	(578)
70	1637	(477)
75	1772	(517)
80	1824	(532)
85	2085	(608)

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	.99	.99	.99	.99	.96	.96	.96	.96	.91	.91	.91	.86	.86	.86	.81	.81	.81	.79			
1	.92	.89	.86	.83	.89	.87	.84	.81	.82	.80	.78	.78	.76	.74	.74	.72	.71	.69			
2	.85	.80	.75	.71	.83	.78	.73	.70	.74	.70	.67	.71	.68	.65	.67	.65	.63	.61			
3	.79	.71	.65	.61	.76	.69	.64	.60	.66	.62	.58	.63	.60	.56	.61	.58	.55	.53			
4	.73	.64	.57	.52	.71	.62	.57	.52	.60	.55	.51	.57	.53	.49	.55	.51	.48	.46			
5	.67	.57	.50	.45	.65	.56	.49	.45	.53	.48	.44	.51	.46	.43	.49	.45	.42	.40			
6	.61	.50	.43	.38	.59	.49	.43	.38	.47	.41	.37	.45	.40	.36	.44	.39	.36	.34			
7	.55	.44	.37	.32	.54	.43	.36	.32	.41	.35	.31	.40	.34	.30	.38	.33	.30	.28			
8	.50	.38	.31	.26	.48	.38	.31	.26	.36	.30	.26	.35	.29	.25	.33	.28	.25	.23			
9	.45	.34	.26	.21	.43	.33	.26	.21	.31	.25	.21	.30	.24	.20	.29	.24	.20	.18			
10	.40	.29	.22	.17	.39	.28	.21	.17	.27	.21	.16	.26	.20	.16	.24	.19	.16	.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.