



LIGHTING SCIENCES CANADA LTD.

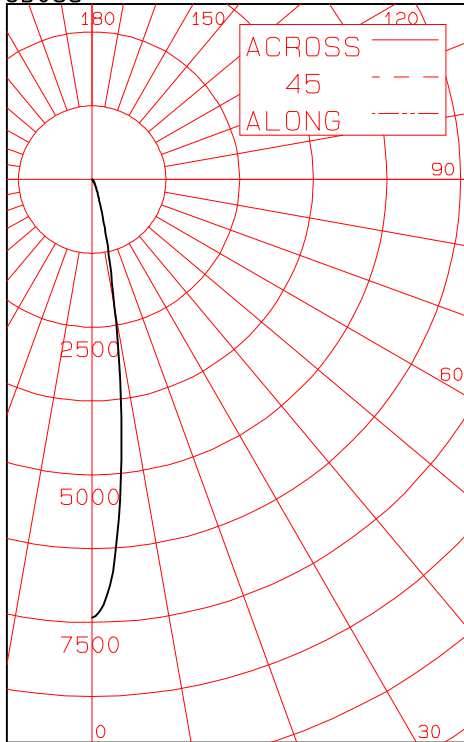
440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSC D089
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI SUSPENDED DRACO LED LUMINAIRE
WITH CLEAR/FROSTED GLASS LENS AND PLASTIC PRISMATIC REFLECTOR/REFRACTOR
18 CREE XRE 1W WHITE LEDS WITH LENS OPTICS. LUMEN OUTPUT = 737 LMS.
CUI SWITCH-MODE 100-240 VAC TO 24 VDC POWER SUPPLY MODEL NO. 3A-621DN24

CANDLEPOWER SUMMARY

CD089



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	7416		90	0	
5	5437	409	95	0	0
10	2193		100	0	
15	750	234	105	0	0
20	295		110	0	
25	142	70	115	0	0
30	70		120	0	
35	34	22	125	0	0
40	11		130	0	
45	4	2	135	0	0
50	0		140	0	
55	0	0	145	0	0
60	0		150	0	
65	0	0	155	0	0
70	0		160	0	
75	0	0	165	0	0
80	0		170	0	
85	0	0	175	0	0
90	0		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	712	96.67	96.67
0-40	734	99.69	99.69
0-60	737	100.00	100.00
0-90	737	100.00	100.00
40-90	2	.31	.31
60-90	0	.00	.00
90-180	0	.00	.00
0-180	737	100.00	100.00

** EFFICIENCY =100.0% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = .3
SC = .3

ANGLE	MEAN CD/SQ M
45	39
55	0
65	0
75	0
85	0

CERTIFIED BY:

Charles Lison

DATE:
JAN 23, 2008

PREPARED FOR:

BEGHELLI NORTH AMERICA
MIRAMAR, FL, USA

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

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55	0	0
60	0	
65	0	0
70	0	
75	0	0
80	0	
85	0	0
90	0	
95	0	0
100	0	
105	0	0
110	0	
115	0	0
120	0	
125	0	0
130	0	
135	0	0
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	260190	(75940)
30	742	(216)
40	115	(33)
45	39	(11)
50	0	(0)
55	0	(0)
60	0	(0)
65	0	(0)
70	0	(0)
75	0	(0)
80	0	(0)
85	0	(0)

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.16	1.14	1.13	1.11	1.14	1.12	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.01	1.01	1.00	.99			
2	1.13	1.11	1.08	1.06	1.11	1.09	1.07	1.05	1.06	1.04	1.03	1.03	1.02	1.01	1.01	1.00	.99	.97			
3	1.11	1.07	1.05	1.03	1.09	1.06	1.04	1.02	1.04	1.02	1.01	1.02	1.01	.99	1.00	.99	.98	.97			
4	1.09	1.05	1.02	1.00	1.08	1.04	1.02	.99	1.02	1.00	.98	1.01	.99	.97	.99	.98	.96	.95			
5	1.07	1.03	1.00	.98	1.06	1.02	.99	.97	1.00	.98	.96	.99	.97	.96	.98	.96	.95	.94			
6	1.05	1.01	.98	.96	1.04	1.00	.98	.96	.99	.97	.95	.98	.96	.95	.97	.95	.94	.93			
7	1.04	.99	.96	.94	1.03	.99	.96	.94	.98	.95	.94	.97	.95	.93	.96	.94	.93	.92			
8	1.02	.97	.95	.93	1.01	.97	.94	.92	.96	.94	.92	.95	.93	.92	.95	.93	.91	.91			
9	1.01	.96	.93	.91	1.00	.96	.93	.91	.95	.93	.91	.94	.92	.91	.94	.92	.90	.90			
10	.99	.95	.92	.90	.98	.94	.92	.90	.94	.91	.90	.93	.91	.89	.93	.91	.89	.89			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 28.8
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 ABSOLUTE PHOTOMETRY TAKEN. BALLAST FACTORS HAVE BEEN APPLIED.