



LIGHTING SCIENCES CANADA LTD.

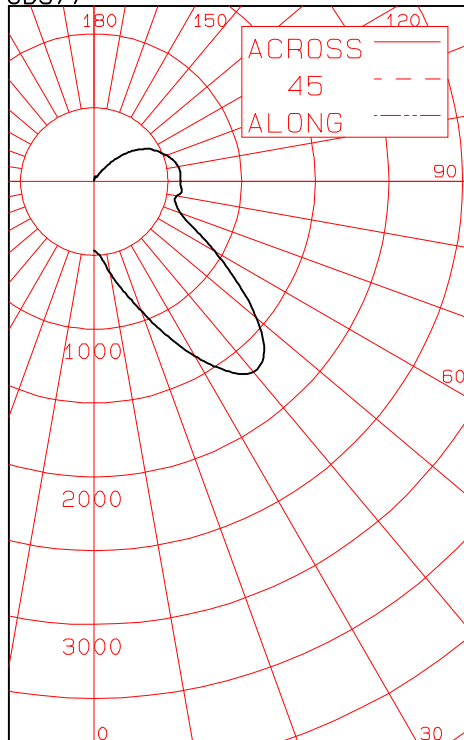
440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
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CERTIFIED TEST REPORT NO. LSCD577
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS720 LUMINAIRE CAT. NO. DRACO BS720CF3SM42W120/277AC50
WITH 12" PRISMATIC REFLECTOR/REFRACTOR AND ALUMINUM RING
THREE 42W TRIPLE-TUBE COMPACT FLUORESCENT LAMPS. LUMEN RATING = 3200 LMS.
UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. C242UNVSE (2-LAMPS)
UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. C2642UNVSE (1-LAMP)

CANDLEPOWER SUMMARY

CD577



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	468		90	587	
5	514	54	95	587	637
10	634		100	578	
15	770	224	105	557	586
20	931		110	523	
25	1139	536	115	482	477
30	1363		120	442	
35	1563	977	125	381	342
40	1681		130	316	
45	1631	1237	135	237	185
50	1437		140	157	
55	1182	1059	145	91	62
60	945		150	45	
65	746	752	155	36	16
70	621		160	30	
75	572	612	165	35	9
80	568		170	32	
85	596	642	175	24	3
90	587		180	8	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	813	8.48	9.67
0-40	1791	18.66	21.29
0-60	4087	42.58	48.59
0-90	6093	63.47	72.43
40-90	4301	44.81	51.14
60-90	2005	20.89	23.84
90-180	2319	24.16	27.57
0-180	8412	87.63	100.00

** EFFICIENCY = 87.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.8
SC = 2.5

ANGLE	MEAN CD/SQ M
45	20084
55	15174
65	10325
75	8881
85	10914

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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140	157	
145	91	62
150	45	
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160	30	
165	35	9
170	32	
175	24	3
180	8	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE		
0	16410	(4789)
30	16739	(4885)
40	20527	(5991)
45	20084	(5861)
50	17996	(5252)
55	15174	(4428)
60	12531	(3657)
65	10325	(3013)
70	9053	(2642)
75	8881	(2592)
80	9510	(2775)
85	10914	(3185)

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	.93	.93	.93	.93	.84	.84	.84	.75	.75	.75	.67	.67	.67	.63			
1	.88	.83	.78	.74	.83	.78	.74	.70	.70	.67	.64	.62	.60	.58	.56	.54	.52	.48			
2	.79	.71	.65	.59	.75	.67	.61	.56	.60	.56	.52	.54	.50	.47	.48	.45	.42	.39			
3	.71	.62	.54	.48	.67	.58	.52	.46	.52	.47	.42	.47	.42	.38	.42	.38	.35	.32			
4	.65	.54	.46	.40	.61	.51	.44	.39	.46	.40	.35	.41	.36	.32	.37	.33	.29	.27			
5	.59	.47	.40	.33	.56	.45	.38	.32	.41	.34	.30	.36	.31	.27	.32	.28	.25	.22			
6	.54	.42	.34	.28	.51	.40	.32	.27	.36	.29	.25	.32	.27	.23	.28	.24	.21	.18			
7	.49	.37	.29	.23	.46	.35	.28	.22	.31	.25	.21	.28	.23	.19	.25	.20	.17	.15			
8	.45	.33	.25	.20	.42	.31	.24	.19	.28	.22	.17	.25	.20	.16	.22	.18	.14	.12			
9	.41	.29	.22	.16	.39	.28	.21	.16	.25	.19	.15	.22	.17	.13	.20	.15	.12	.10			
10	.38	.26	.19	.14	.36	.25	.18	.13	.22	.16	.12	.20	.15	.11	.18	.13	.10	.08			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 131.0
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.