



LIGHTING SCIENCES CANADA LTD.

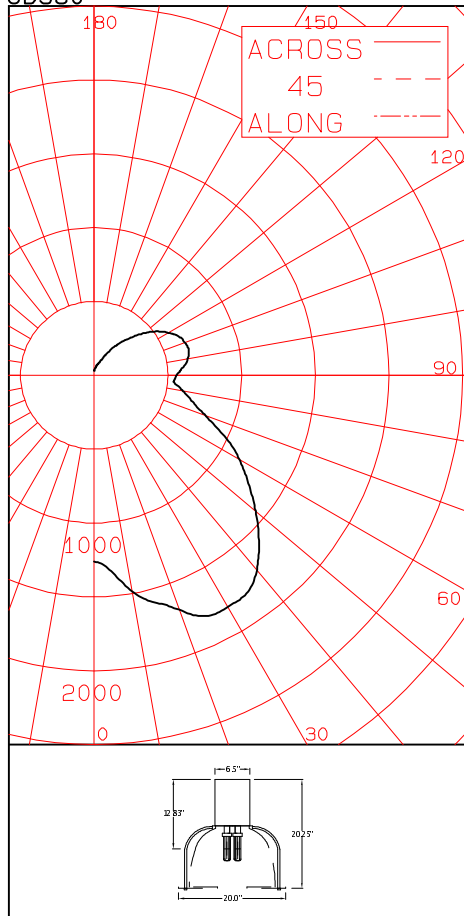
440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSCD580
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710CF4MD42W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
FOUR 42W TRIPLE-TUBE COMPACT FLUORESCENT LAMPS. LUMEN RATING = 3200 LMS.
TWO UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLASTS NO. C242UNVSE

CANDLEPOWER SUMMARY

CD580



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	1261		90	557	
5	1331	135	95	602	657
10	1486		100	644	
15	1592	453	105	665	696
20	1689		110	654	
25	1798	824	115	630	620
30	1810		120	581	
35	1802	1120	125	522	465
40	1717		130	447	
45	1580	1217	135	372	290
50	1429		140	304	
55	1277	1144	145	239	151
60	1136		150	171	
65	976	964	155	122	60
70	808		160	92	
75	690	737	165	75	22
80	611		170	55	
85	542	613	175	37	5
90	557		180	34	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1412	11.03	13.88
0-40	2532	19.78	24.89
0-60	4893	38.23	48.10
0-90	7207	56.31	70.85
40-90	4675	36.53	45.96
60-90	2314	18.08	22.75
90-180	2964	23.16	29.15
0-180	10172	79.47	100.00

** EFFICIENCY = 79.5% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.9
SC = 1.8

ANGLE	MEAN CD/SQ M
45	10478
55	8731
65	7111
75	5559
85	5049

CERTIFIED BY:

Charles Lison

DATE:
DEC 20, 2008

PREPARED FOR:

BEGHELLI USA
MIRAMAR, FL, USA

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

LIGHTING SCIENCES CANADA LTD.
440 PHILLIP ST., UNIT 19
WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSCD580
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710CF4MD42W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
FOUR 42W TRIPLE-TUBE COMPACT FLUORESCENT LAMPS. LUMEN RATING = 3200 LMS.
TWO UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLASTS NO. C242UNVSE

CANDLEPOWER DATA

ANGLE	CANDLEPOWER	LUMENS
0	1261	
5	1331	135
10	1486	
15	1592	453
20	1689	
25	1798	824
30	1810	
35	1802	1120
40	1717	
45	1580	1217
50	1429	
55	1277	1144
60	1136	
65	976	964
70	808	
75	690	737
80	611	
85	542	613
90	557	
95	602	657
100	644	
105	665	696
110	654	
115	630	620
120	581	
125	522	465
130	447	
135	372	290
140	304	
145	239	151
150	171	
155	122	60
160	92	
165	75	22
170	55	
175	37	5
180	34	

LIGHTING SCIENCES CANADA LTD.
440 PHILLIP ST., UNIT 19
WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSCD580
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710CF4MD42W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
FOUR 42W TRIPLE-TUBE COMPACT FLUORESCENT LAMPS. LUMEN RATING = 3200 LMS.
TWO UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLASTS NO. C242UNVSE

AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	44257	(12917)
30	12155	(3547)
40	11350	(3312)
45	10478	(3058)
50	9587	(2798)
55	8731	(2548)
60	7982	(2329)
65	7111	(2075)
70	6160	(1797)
75	5559	(1622)
80	5262	(1535)
85	5049	(1473)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LIGHTING SCIENCES CANADA LTD.
440 PHILLIP ST., UNIT 19
WATERLOO, ONTARIO

CERTIFIED TEST REPORT NO. LSCD580
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710CF4MD42W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
FOUR 42W TRIPLE-TUBE COMPACT FLUORESCENT LAMPS. LUMEN RATING = 3200 LMS.
TWO UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLASTS NO. C242UNVSE

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	.89	.89	.89	.89	.84	.84	.84	.84	.75	.75	.75	.67	.67	.67	.60	.60	.60	.56			
1	.80	.76	.72	.68	.75	.72	.68	.65	.64	.61	.59	.57	.55	.53	.50	.49	.47	.44			
2	.72	.65	.60	.55	.68	.62	.57	.52	.55	.51	.48	.49	.46	.43	.44	.41	.39	.36			
3	.65	.57	.50	.45	.62	.54	.48	.43	.48	.44	.40	.43	.39	.36	.38	.35	.33	.30			
4	.60	.50	.43	.38	.56	.48	.42	.37	.43	.38	.34	.38	.34	.31	.34	.31	.28	.25			
5	.55	.44	.37	.32	.51	.42	.36	.31	.38	.33	.29	.34	.30	.26	.30	.27	.24	.22			
6	.50	.40	.33	.28	.47	.38	.31	.26	.34	.28	.24	.30	.26	.22	.27	.23	.20	.18			
7	.46	.35	.28	.24	.43	.33	.27	.22	.30	.25	.21	.27	.22	.19	.24	.20	.17	.15			
8	.42	.32	.25	.20	.40	.30	.24	.19	.27	.22	.18	.24	.20	.17	.22	.18	.15	.13			
9	.39	.29	.22	.18	.37	.27	.21	.17	.24	.19	.16	.22	.18	.14	.20	.16	.13	.11			
10	.36	.26	.19	.15	.34	.25	.19	.15	.22	.17	.14	.20	.16	.12	.18	.14	.11	.10			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 153.1
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.

BALLAST TEMPERATURE BALLAST A = 79.4 DEG. C
BALLAST TEMPERATURE BALLAST B = 81.9 DEG. C