



LIGHTING SCIENCES CANADA LTD.

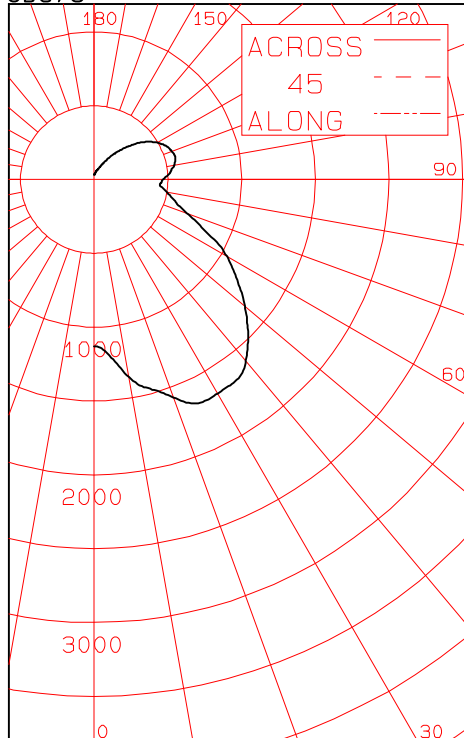
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CERTIFIED TEST REPORT NO. LSCD578
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710CF3MD42W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND FROSTED GLASS LENS
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

CD578



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	1130		90	466	
5	1197	122	95	516	557
10	1361		100	551	
15	1469	419	105	570	596
20	1571		110	560	
25	1671	765	115	539	531
30	1675		120	498	
35	1668	1039	125	445	398
40	1601		130	384	
45	1476	1136	135	312	244
50	1334		140	244	
55	1183	1060	145	186	120
60	1040		150	137	
65	837	839	155	97	48
70	669		160	77	
75	569	605	165	65	18
80	501		170	50	
85	446	507	175	34	4
90	466		180	35	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1306	13.60	14.50
0-40	2345	24.43	26.04
0-60	4540	47.29	50.41
0-90	6491	67.62	72.07
40-90	4146	43.19	46.03
60-90	1950	20.32	21.66
90-180	2516	26.21	27.93
0-180	9007	93.82	100.00

** EFFICIENCY = 93.8% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.9
SC = 1.8

ANGLE	MEAN CD/SQ M
45	9794
55	8092
65	6094
75	4585
85	4153

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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85	446	507
90	466	
95	516	557
100	551	
105	570	596
110	560	
115	539	531
120	498	
125	445	398
130	384	
135	312	244
140	244	
145	186	120
150	137	
155	97	48
160	77	
165	65	18
170	50	
175	34	4
180	35	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	39644	(11570)
30	11247	(3282)
40	10584	(3089)
45	9794	(2858)
50	8947	(2611)
55	8092	(2361)
60	7305	(2132)
65	6094	(1778)
70	5098	(1487)
75	4585	(1338)
80	4314	(1259)
85	4153	(1212)

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	1.05	1.05	1.05	1.05	1.00	1.00	1.00	1.00	.90	.90	.90	.80	.80	.80	.72	.72	.72	.68			
1	.95	.90	.85	.81	.90	.85	.81	.77	.76	.73	.70	.68	.66	.64	.61	.59	.57	.54			
2	.86	.78	.71	.66	.81	.74	.68	.63	.66	.62	.58	.59	.56	.52	.53	.50	.48	.44			
3	.78	.68	.60	.54	.73	.65	.58	.52	.58	.53	.48	.52	.48	.44	.47	.43	.40	.37			
4	.71	.60	.52	.46	.67	.57	.50	.44	.52	.46	.41	.46	.41	.37	.42	.38	.34	.31			
5	.65	.53	.45	.39	.61	.51	.43	.37	.46	.39	.35	.41	.36	.32	.37	.33	.29	.27			
6	.60	.47	.39	.33	.56	.45	.37	.32	.41	.34	.30	.37	.31	.27	.33	.28	.25	.23			
7	.55	.42	.34	.28	.52	.40	.33	.27	.36	.30	.25	.33	.27	.23	.29	.25	.21	.19			
8	.50	.38	.30	.24	.48	.36	.29	.24	.33	.26	.22	.30	.24	.20	.26	.22	.19	.16			
9	.47	.34	.26	.21	.44	.33	.25	.20	.29	.23	.19	.27	.21	.17	.24	.19	.16	.14			
10	.43	.31	.23	.18	.41	.29	.23	.18	.27	.21	.17	.24	.19	.15	.22	.17	.14	.12			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 133.7
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.