



LIGHTING SCIENCES CANADA LTD.

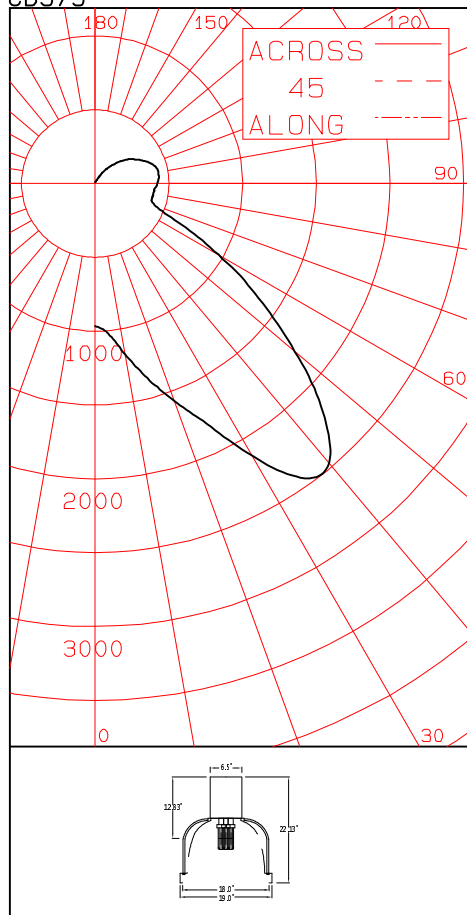
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CERTIFIED TEST REPORT NO. LSCD579
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS720 LUMINAIRE CAT. NO. DRACO BS720CF3MD42W120/277AC50
WITH 16" 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

CD579



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	967		90	421	
5	1023	105	95	433	470
10	1176		100	435	
15	1365	394	105	428	448
20	1568		110	400	
25	1795	850	115	362	361
30	2128		120	323	
35	2432	1500	125	287	256
40	2469		130	242	
45	2185	1664	135	192	151
50	1770		140	147	
55	1356	1213	145	103	66
60	965		150	59	
65	621	640	155	30	16
70	429		160	23	
75	398	426	165	15	5
80	400		170	13	
85	403	445	175	11	1
90	421		180	10	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1348	14.05	14.97
0-40	2848	29.67	31.61
0-60	5725	59.64	63.54
0-90	7237	75.39	80.32
40-90	4388	45.71	48.70
60-90	1511	15.75	16.78
90-180	1773	18.48	19.68
0-180	9010	93.86	100.00

** EFFICIENCY = 93.9% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.4
SC = 2.1

ANGLE	MEAN CD/SQ M
45	16542
55	10484
65	5059
75	3540
85	4092

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	400	
85	403	445
90	421	
95	433	470
100	435	
105	428	448
110	400	
115	362	361
120	323	
125	287	256
130	242	
135	192	151
140	147	
145	103	66
150	59	
155	30	16
160	23	
165	15	5
170	13	
175	11	1
180	10	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE		
0	33926	(9901)
30	16538	(4827)
40	18707	(5459)
45	16542	(4828)
50	13483	(3935)
55	10484	(3060)
60	7625	(2225)
65	5059	(1476)
70	3635	(1060)
75	3540	(1033)
80	3778	(1102)
85	4092	(1194)

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	1.07	1.07	1.07	1.07	1.03	1.03	1.03	1.03	.94	.94	.94	.86	.86	.86	.79	.79	.79	.75	.75	.75	.75
1	.97	.93	.89	.85	.93	.89	.85	.81	.81	.78	.76	.75	.72	.70	.68	.67	.65	.62	.62	.62	.62
2	.89	.81	.75	.70	.85	.78	.72	.68	.72	.67	.63	.66	.62	.59	.61	.58	.55	.52	.52	.52	.52
3	.81	.72	.64	.58	.77	.69	.62	.57	.63	.58	.53	.58	.54	.50	.54	.50	.47	.44	.44	.44	.44
4	.74	.64	.56	.50	.71	.61	.54	.48	.56	.50	.46	.52	.47	.43	.48	.44	.41	.38	.38	.38	.38
5	.68	.56	.48	.42	.65	.54	.47	.41	.50	.44	.39	.46	.41	.37	.43	.38	.35	.32	.32	.32	.32
6	.62	.50	.42	.36	.59	.48	.40	.35	.44	.38	.33	.41	.35	.31	.38	.33	.30	.27	.27	.27	.27
7	.57	.44	.36	.30	.54	.42	.35	.29	.39	.32	.28	.36	.30	.26	.34	.29	.25	.23	.23	.23	.23
8	.52	.39	.31	.26	.49	.38	.30	.25	.35	.28	.24	.32	.27	.22	.30	.25	.21	.19	.19	.19	.19
9	.48	.35	.27	.22	.45	.34	.26	.21	.31	.25	.20	.29	.23	.19	.27	.22	.18	.16	.16	.16	.16
10	.44	.31	.23	.18	.42	.30	.23	.18	.28	.21	.17	.26	.20	.16	.24	.19	.15	.13	.13	.13	.13

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 133.6
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.