



LIGHTING SCIENCES CANADA LTD.

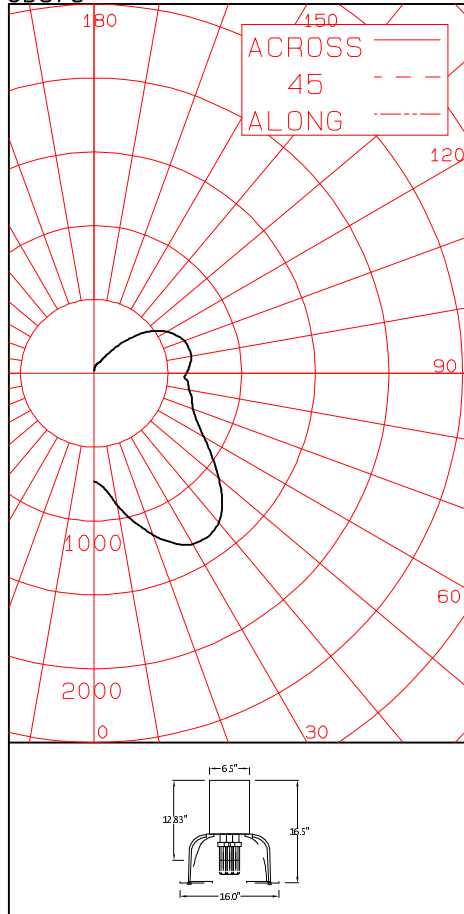
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CERTIFIED TEST REPORT NO. LSCD576
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS710 LUMINAIRE CAT. NO. DRACO BS710CF3SM42W120/277AC50
WITH 12" 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

CD576



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	733		90	625	
5	784	80	95	651	708
10	908		100	668	
15	1041	298	105	663	700
20	1164		110	649	
25	1268	586	115	612	607
30	1336		120	566	
35	1349	840	125	502	449
40	1318		130	424	
45	1229	942	135	329	257
50	1104		140	239	
55	975	874	145	158	106
60	860		150	107	
65	769	769	155	84	40
70	714		160	73	
75	687	724	165	66	19
80	654		170	55	
85	638	691	175	39	4
90	625		180	19	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	964	10.05	11.09
0-40	1805	18.80	20.76
0-60	3621	37.73	41.65
0-90	5805	60.47	66.77
40-90	4000	41.67	46.01
60-90	2183	22.74	25.11
90-180	2889	30.10	33.23
0-180	8694	90.57	100.00

** EFFICIENCY = 90.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.2
SC = 2.0

ANGLE	MEAN CD/SQ M
45	12965
55	10790
65	9235
75	9337
85	10354

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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105	663	700
110	649	
115	612	607
120	566	
125	502	449
130	424	
135	329	257
140	239	
145	158	106
150	107	
155	84	40
160	73	
165	66	19
170	55	
175	39	4
180	19	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE		
0	25731	(7510)
30	13921	(4063)
40	13735	(4009)
45	12965	(3784)
50	11874	(3465)
55	10790	(3149)
60	9866	(2879)
65	9235	(2695)
70	9066	(2646)
75	9337	(2725)
80	9644	(2814)
85	10354	(3022)

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	1.011	1.011	1.011	1.01	.95	.95	.95	.95	.84	.84	.84	.74	.74	.74	.65	.65	.65	.65	.65	.65	.60
1	.89	.84	.79	.75	.84	.79	.75	.71	.70	.66	.63	.61	.58	.56	.53	.51	.49	.49	.49	.49	.45
2	.80	.72	.65	.59	.75	.68	.62	.56	.60	.55	.51	.52	.48	.45	.45	.42	.40	.40	.40	.40	.36
3	.73	.62	.55	.48	.68	.59	.52	.46	.52	.46	.41	.45	.41	.37	.39	.36	.33	.33	.33	.33	.29
4	.66	.55	.47	.41	.62	.52	.45	.39	.46	.40	.35	.40	.35	.31	.35	.31	.28	.28	.28	.28	.25
5	.61	.48	.40	.34	.56	.46	.38	.33	.41	.34	.30	.36	.30	.27	.31	.27	.24	.24	.24	.24	.21
6	.55	.43	.35	.29	.52	.41	.33	.28	.36	.30	.25	.32	.26	.23	.28	.23	.20	.20	.20	.20	.18
7	.51	.38	.30	.25	.47	.36	.29	.23	.32	.26	.21	.28	.23	.19	.25	.20	.17	.17	.17	.17	.15
8	.47	.34	.27	.21	.44	.32	.25	.20	.29	.23	.18	.25	.20	.16	.22	.18	.15	.15	.15	.15	.13
9	.43	.31	.23	.18	.40	.29	.22	.17	.26	.20	.16	.23	.18	.14	.20	.16	.13	.13	.13	.13	.11
10	.40	.28	.21	.16	.37	.26	.20	.15	.23	.18	.14	.21	.16	.12	.18	.14	.11	.11	.11	.11	.09

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 129.5
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.

C242UNVSE BALLAST TEMPERATURE = 89.9 DEG. C
C2642UNVSE BALLAST TEMPERATURE = 80.6 DEG. C.