



LIGHTING SCIENCES CANADA LTD.

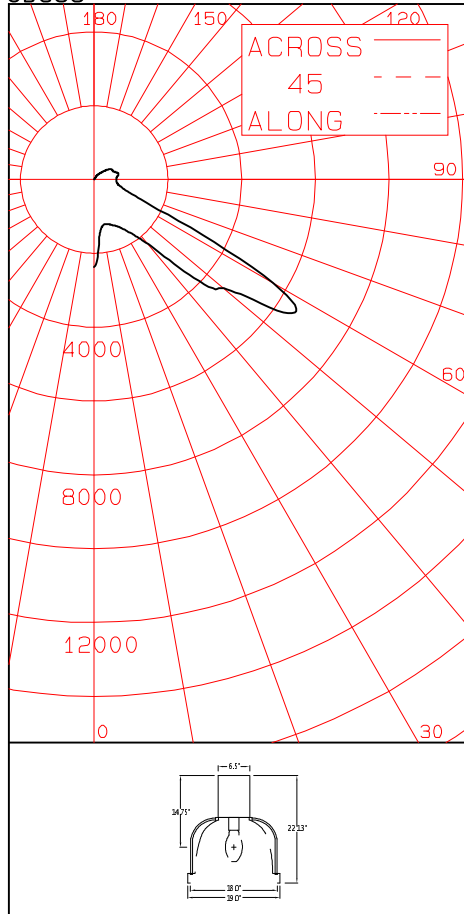
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CERTIFIED TEST REPORT NO. LSCD585
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI DRACO BS720 LUMINAIRE CAT. NO. DRACO BS720MH1MD250W120/277AC50
WITH 16" PRISMATIC REFLECTOR/REFRACTOR AND ALUMINUM RING
ONE 250W CLEAR METAL HALIDE LAMP. LUMEN RATING = 20500 LMS.

CANDLEPOWER SUMMARY

CD585



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	2375		90	601	
5	1563	145	95	611	675
10	1283		100	668	
15	1259	359	105	675	693
20	1301		110	599	
25	1385	651	115	555	559
30	1532		120	549	
35	1790	1164	125	482	428
40	2283		130	382	
45	3643	2794	135	278	221
50	4588		140	205	
55	6271	5188	145	159	100
60	5604		150	96	
65	1939	2495	155	24	18
70	1000		160	14	
75	749	812	165	12	3
80	646		170	7	
85	600	666	175	2	0
90	601		180	4	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1155	5.64	6.81
0-40	2319	11.31	13.67
0-60	10301	50.25	60.70
0-90	14273	69.63	84.10
40-90	11954	58.31	70.44
60-90	3972	19.38	23.41
90-180	2697	13.16	15.90
0-180	16971	82.79	100.00

** EFFICIENCY = 82.8% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.5
SC = 2.5

ANGLE	MEAN CD/SQ M
45	27579
55	48468
65	15800
75	6663
85	6084

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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115	555	559
120	549	
125	482	428
130	382	
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140	205	
145	159	100
150	96	
155	24	18
160	14	
165	12	3
170	7	
175	2	0
180	4	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE
0	83333 (24322)
30	11904 (3474)
40	17301 (5049)
45	27579 (8049)
50	34958 (10203)
55	48468 (14146)
60	44293 (12927)
65	15800 (4611)
70	8474 (2473)
75	6663 (1944)
80	6099 (1780)
85	6084 (1775)

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	.95	.95	.95	.95	.92	.92	.92	.92	.85	.85	.85	.78	.78	.78	.72	.72	.72	.70	.70	.70	.70
1	.86	.81	.77	.74	.82	.78	.75	.71	.72	.69	.67	.67	.64	.62	.62	.60	.58	.56	.56	.56	.56
2	.77	.70	.64	.58	.74	.67	.61	.57	.62	.57	.53	.57	.54	.50	.53	.50	.47	.45	.45	.45	.45
3	.69	.59	.52	.46	.66	.57	.50	.45	.53	.47	.43	.49	.44	.40	.45	.41	.38	.35	.35	.35	.35
4	.62	.51	.43	.37	.59	.49	.42	.36	.45	.39	.34	.42	.37	.32	.38	.34	.30	.28	.28	.28	.28
5	.56	.44	.36	.29	.53	.42	.34	.29	.39	.32	.27	.36	.30	.26	.33	.28	.24	.22	.22	.22	.22
6	.50	.37	.29	.23	.47	.36	.28	.22	.33	.26	.21	.30	.24	.20	.28	.22	.18	.16	.16	.16	.16
7	.44	.31	.23	.18	.42	.30	.22	.17	.28	.21	.16	.25	.19	.15	.23	.18	.14	.12	.12	.12	.12
8	.40	.28	.20	.14	.38	.26	.19	.14	.24	.18	.13	.22	.16	.12	.20	.15	.11	.09	.09	.09	.09
9	.37	.25	.17	.12	.35	.23	.16	.11	.21	.15	.10	.19	.14	.10	.18	.13	.09	.07	.07	.07	.07
10	.34	.22	.14	.10	.32	.21	.14	.09	.19	.13	.09	.17	.12	.08	.16	.11	.07	.06	.06	.06	.06

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 275.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.