LIGHTING SCIENCES CANADA LTD.

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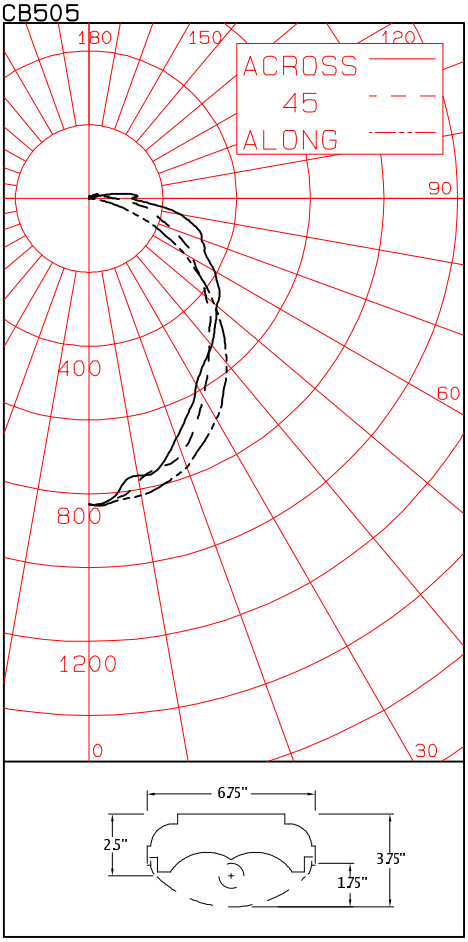
CERTIFIED TEST REPORT NO. LSC B505
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI 4FT. LUMINAIRE CAT. NO. BS100 4 HT D1 120V PC REFLECTOR
WITH PC ALUMINIZED REFLECTOR AND CLEAR WRAP LENS
ONE F32T8/TL841 32W T8 FLUORESCENT LAMP. LUMEN RATING = 2950 LMS.
ONE SYLVANIA 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. QTP2x32T8/UNV ISN-SC

CB505



CANDLEPOWER SUMMARY

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	829	829	829	829	829	
5	822	819	816	817	809	78
15	799	768	752	754	751	214
25	732	685	681	654	638	310
35	636	607	563	548	544	361
45	515	485	467	479	484	371
55	368	347	366	412	431	342
65	217	224	284	328	346	280
75	92	123	192	275	301	208
85	11	43	115	172	171	115
90	0	22	68	100	115	
95	0	10	50	93	122	56
105	0	0	17	33	29	20
115	0	0	4	19	25	9
125	0	0	0	8	13	4
135	0	0	0	2	4	1
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	602	20.42	25.41
0-40	963	32.66	40.64
0-60	1676	56.82	70.71
0-90	2279	77.26	96.14
40-90	1315	44.60	55.50
60-90	603	20.44	25.44
90-180	91	3.10	3.86
0-180	2370	80.36	100.00

** EFFICIENCY = 80.4% **

LUMINANCE SUMMARY-CD. / SQ. M.

ANGLE	ALONG	45	ACROSS
45	3358	2684	2694
55	2910	2438	2751
65	2281	2333	2681
75	1499	2136	3082
85	418	2082	2713

S/MH = 1.1
SC(ALONG) = 1.2, SC(ACROSS) = 1.1

CERTIFIED BY:
Charles Lasion
DATE:
DEC 22, 2006

PREPARED FOR:
BEGHELLI NORTH AMERICA
MIRAMAR, FL, USA

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

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CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	LUMENS
0	829	829	829	829	829	829	
5	822	819	816	817	809	817	78
10	817	802	777	767	762	784	
15	799	768	752	754	751	762	214
20	775	716	734	706	692	723	
25	732	685	681	654	638	676	310
30	690	656	619	597	581	627	
35	636	607	563	548	544	577	361
40	581	552	508	516	517	531	
45	515	485	467	479	484	483	371
50	441	410	413	452	452	430	
55	368	347	366	412	431	381	342
60	298	283	324	381	393	334	
65	217	224	284	328	346	280	280
70	147	168	238	300	324	235	
75	92	123	192	275	301	197	208
80	39	82	170	232	251	157	
85	11	43	115	172	171	105	115
90	0	22	68	100	115	62	
95	0	10	50	93	122	54	56
100	0	0	33	81	70	38	
105	0	0	17	33	29	17	20
110	0	0	8	10	25	8	
115	0	0	4	19	25	9	9
120	0	0	0	12	23	6	
125	0	0	0	8	13	4	4
130	0	0	0	3	7	2	
135	0	0	0	2	4	1	1
140	0	0	0	1	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

CD. / SQ. M. (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	3953(1153)	3953(1153)	3953(1153)	3953(1153)	3953(1153)
30	3725(1087)	3398(991)	3101(905)	2934(856)	2844(830)
40	3516(1026)	3140(916)	2754(803)	2732(797)	2727(796)
45	3358(980)	2940(858)	2684(783)	2673(780)	2694(786)
50	3142(917)	2686(783)	2531(738)	2682(782)	2671(779)
55	2910(849)	2479(723)	2438(711)	2637(769)	2751(803)
60	2684(783)	2262(660)	2370(691)	2662(777)	2731(797)
65	2281(665)	2034(593)	2333(681)	2552(744)	2681(782)
70	1873(546)	1786(521)	2242(654)	2644(771)	2841(829)
75	1499(437)	1587(463)	2136(623)	2839(828)	3082(899)
80	886(258)	1375(401)	2331(680)	2890(843)	3102(905)
85	418(122)	1017(296)	2082(607)	2754(803)	2713(792)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	.95	.95	.95	.95	.92	.92	.92	.92	.88	.88	.88	.83	.83	.83	.79	.79	.79	.77
1	.86	.82	.78	.75	.84	.80	.77	.74	.76	.73	.71	.72	.70	.68	.69	.67	.65	.64
2	.78	.72	.66	.61	.76	.70	.65	.60	.66	.62	.58	.63	.60	.57	.60	.57	.55	.53
3	.71	.63	.56	.51	.69	.62	.56	.51	.59	.54	.49	.56	.52	.48	.54	.50	.47	.45
4	.66	.56	.49	.44	.64	.55	.48	.43	.52	.47	.42	.50	.45	.41	.48	.44	.40	.39
5	.60	.50	.42	.37	.58	.48	.42	.36	.46	.40	.36	.44	.39	.35	.43	.38	.34	.33
6	.55	.44	.37	.32	.53	.43	.37	.32	.42	.36	.31	.40	.35	.31	.39	.34	.30	.28
7	.51	.40	.33	.28	.49	.39	.32	.28	.38	.31	.27	.36	.31	.27	.35	.30	.26	.25
8	.47	.36	.29	.24	.46	.35	.29	.24	.34	.28	.24	.33	.27	.23	.31	.27	.23	.21
9	.43	.33	.26	.21	.42	.32	.25	.21	.31	.25	.21	.30	.24	.20	.28	.24	.20	.18
10	.40	.30	.23	.19	.39	.29	.23	.19	.28	.22	.18	.27	.22	.18	.26	.21	.18	.16

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 34.9
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.