



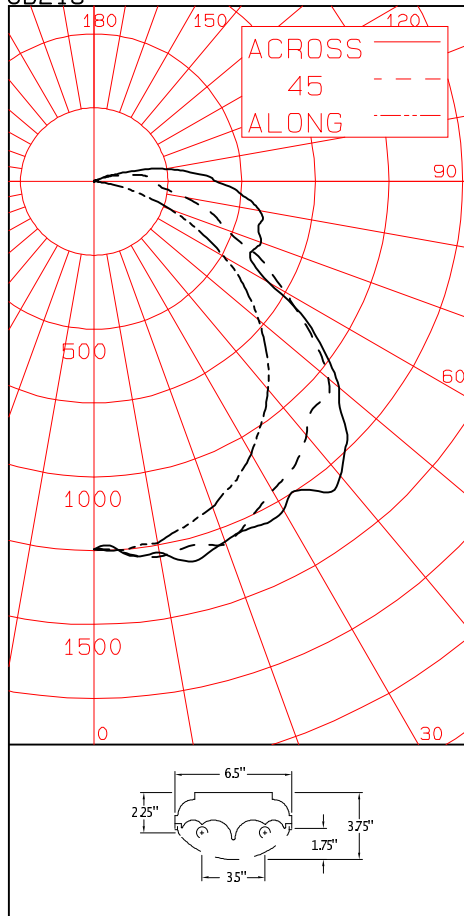
LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC B218
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI 5' BS105 IP66 RATED LUMINAIRE CAT. NO. BS10560T5235AC/120V
WITH SPECULAR REFLECTOR AND CLEAR WRAP LENS
TWO SYLVANIA FP35/841/ECO 35W T5 FLUORESCENT LAMPS. LUMEN RATING = 3300 LMS.
ONE ULTRASAVE 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. ER 235120M

CB218



CANDLEPOWER SUMMARY

OUTPUT
LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	1245	1245	1245	1245	1245	
5	1250	1256	1265	1279	1269	123
15	1207	1255	1276	1330	1330	362
25	1126	1181	1256	1277	1291	569
35	992	1102	1181	1223	1275	730
45	827	930	1068	1198	1214	812
55	622	739	897	951	922	746
65	388	552	628	576	582	556
75	161	270	414	506	577	410
85	14	105	231	447	501	288
90	0	64	203	384	415	
95	0	32	185	310	337	189
105	0	5	76	136	142	80
115	0	0	24	29	23	19
125	0	0	3	10	6	3
135	0	0	0	0	4	0
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	1053	15.96	21.55
0-40	1783	27.02	36.48
0-60	3341	50.62	68.33
0-90	4595	69.63	94.00
40-90	2812	42.61	57.52
60-90	1254	19.01	25.66
90-180	293	4.45	6.00
0-180	4889	74.08	100.00

** EFFICIENCY = 74.1% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.6

SC (ALONG) = 1.3, SC (ACROSS) = 1.6

ANGLE	ALONG	45	ACROSS
45	4482	4934	5353
55	4106	4755	4593
65	3409	4046	3456
75	2206	3530	4399
85	476	3069	5575

CERTIFIED BY:

Charles Lison

DATE:

MAY 24, 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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ONE ULTRASAVE 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. ER 235120M

CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	1245	1245	1245	1245	1245	1245	
5	1250	1256	1265	1279	1269	1265	123
10	1242	1255	1289	1281	1275	1271	
15	1207	1255	1276	1330	1330	1282	362
20	1173	1224	1307	1304	1298	1267	
25	1126	1181	1256	1277	1291	1231	569
30	1065	1147	1209	1278	1285	1202	
35	992	1102	1181	1223	1275	1160	730
40	917	1015	1120	1284	1301	1132	
45	827	930	1068	1198	1214	1054	812
50	728	834	1036	1074	1083	962	
55	622	739	897	951	922	840	746
60	507	623	749	777	685	686	
65	388	552	628	576	582	560	556
70	276	410	481	513	603	461	
75	161	270	414	506	577	390	410
80	72	154	319	490	570	321	
85	14	105	231	447	501	260	288
90	0	64	203	384	415	214	
95	0	32	185	310	337	174	189
100	3	12	133	225	245	124	
105	0	5	76	136	142	72	80
110	0	0	46	82	65	40	
115	0	0	24	29	23	16	19
120	0	0	9	11	13	6	
125	0	0	3	10	6	4	3
130	0	0	0	3	9	2	
135	0	0	0	0	4	1	0
140	0	0	0	0	1	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

ANGLE	ALONG	CD. / SQ. M.		(FOOTLAMBERTS)	
		22.5	45	67.5	ACROSS
0	4907(1432)	4907(1432)	4907(1432)	4907(1432)	4907(1432)
30	4766(1391)	4868(1420)	4919(1435)	5070(1480)	5060(1476)
40	4607(1344)	4724(1378)	4902(1430)	5437(1587)	5460(1593)
45	4482(1308)	4593(1340)	4934(1440)	5317(1551)	5353(1562)
50	4317(1260)	4444(1297)	5078(1482)	5041(1471)	5029(1467)
55	4106(1198)	4289(1251)	4755(1387)	4781(1395)	4593(1340)
60	3808(1111)	4026(1175)	4326(1262)	4232(1235)	3679(1074)
65	3409(995)	4033(1177)	4046(1180)	3463(1010)	3456(1008)
70	2947(860)	3494(1019)	3519(1027)	3455(1008)	3994(1165)
75	2206(644)	2778(810)	3530(1030)	3924(1145)	4399(1284)
80	1399(408)	2016(588)	3313(966)	4502(1314)	5117(1493)
85	476(139)	1913(558)	3069(895)	5110(1491)	5575(1627)

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	.87	.87	.87	.87	.85	.85	.85	.85	.80	.80	.80	.75	.75	.75	.72	.72	.72	.70	.70	.70	.70
1	.79	.75	.71	.68	.76	.73	.70	.67	.69	.66	.64	.65	.63	.61	.62	.60	.58	.56	.56	.56	.56
2	.71	.65	.60	.55	.69	.63	.58	.54	.60	.56	.52	.57	.53	.50	.54	.51	.49	.47	.47	.47	.47
3	.65	.57	.51	.46	.63	.56	.50	.45	.53	.48	.44	.50	.46	.43	.48	.44	.41	.39	.39	.39	.39
4	.60	.50	.44	.39	.58	.49	.43	.38	.47	.41	.37	.44	.40	.36	.42	.39	.35	.34	.34	.34	.34
5	.54	.44	.38	.33	.52	.43	.37	.32	.41	.36	.31	.39	.34	.31	.37	.33	.30	.28	.28	.28	.28
6	.50	.40	.33	.28	.48	.39	.32	.28	.37	.31	.27	.35	.30	.26	.34	.29	.26	.24	.24	.24	.24
7	.46	.35	.29	.24	.44	.35	.28	.24	.33	.27	.23	.32	.27	.23	.30	.26	.22	.21	.21	.21	.21
8	.42	.32	.25	.21	.41	.31	.25	.20	.30	.24	.20	.28	.23	.20	.27	.23	.19	.18	.18	.18	.18
9	.39	.29	.22	.18	.37	.28	.22	.18	.27	.21	.17	.25	.20	.17	.24	.20	.16	.15	.15	.15	.15
10	.36	.26	.20	.16	.35	.25	.19	.15	.24	.19	.15	.23	.18	.15	.22	.18	.14	.13	.13	.13	.13

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 75.4
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.

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SINGLE LUMINAIRE PERFORMANCE

MOUNTING HEIGHT ABOVE WORK PLANE (FT)	INITIAL FC AT NADIR -FCN* (FC)	.1*FCN (FC)	10% LIGHTED DIAMETER* (FT)	.5*FCN (FC)	50% LIGHTED DIAMETER* (FT)
5	49.8	5.0	15.5	24.9	7.2
7	25.4	2.5	21.7	12.7	10.0
9	15.4	1.5	27.9	7.7	12.9
11	10.3	1.0	34.2	5.1	15.8
13	7.4	.7	40.4	3.7	18.6
15	5.5	.6	46.6	2.8	21.5
17	4.3	.4	52.8	2.2	24.3
19	3.4	.3	59.0	1.7	27.2

10% CONE ANGLE: 114.4 DEGREES
 50% CONE ANGLE: 71.2 DEGREES